

For Office Use Only:

| | | | |
|--------------------------|-------|-----------------------------|-------|
| File Number | _____ | Application Fee | _____ |
| Related File Number | _____ | Conservation Authority Fee | _____ |
| Pre-consultation Meeting | _____ | Well & Septic Info Provided | _____ |
| Application Submitted | _____ | Planner | _____ |
| Complete Application | _____ | Public Notice Sign | _____ |

Check the type of planning application(s) you are submitting.

- Consent/Severance/Boundary Adjustment
- Surplus Farm Dwelling Severance and Zoning By-law Amendment
- Minor Variance
- Easement/Right-of-Way

Property Assessment Roll Number: 541-010-11930-0000

A. Applicant Information**Name of Owner**Jennifer Mauder and Wesley Sexsmith

It is the responsibility of the owner or applicant to notify the planner of any changes in ownership within 30 days of such a change.

Address

461 Highway 19 South

Town and Postal Code

Tillsonburg N4G 4G9

Phone Number

905-464-5360

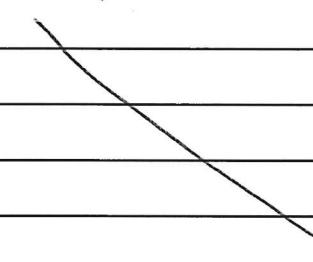
Cell Number

905-464-5360

Email

jenr8tr@icloud.com**Name of Applicant**Same as above.

Address



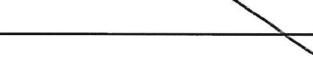
Town and Postal Code



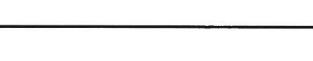
Phone Number



Cell Number



Email



Name of Agent N/A

Address

Town and Postal Code

Phone Number

Cell Number

Email

Please specify to whom all communications should be sent. Unless otherwise directed, all correspondence and notices in respect of this application will be forwarded to the owner and agent noted above.

Owner Agent Applicant

Names and addresses of any holder of any mortgagees, charges or other encumbrances on the subject lands:

CIBC - Mortgage

B. Location, Legal Description and Property Information

1. Legal Description (include Geographic Township, Concession Number, Lot Number, Block Number and Urban Area or Hamlet):

461 HIGHWAY 19, MID CON 4 NTR PT. LOT 6 RP

37R6937 PART 3 IRREG 2.23 AC 226.34 FR D

Municipal Civic Address: 461 Highway 19 South

Present Official Plan Designation(s): Hamlet & HL

Present Zoning: RH & HL

2. Is there a special provision or site specific zone on the subject lands?

Yes No If yes, please specify:

LPRCA Governance over Ravine area

3. Present use of the subject lands:

Residential

4. Please describe **all existing** buildings or structures on the subject lands and whether they are to be retained, demolished or removed. If retaining the buildings or structures, please describe the type of buildings or structures, and illustrate the setback, in metric units, from front, rear and side lot lines, ground floor area, gross floor area, lot coverage, number of storeys, width, length, and height on your attached sketch which must be included with your application:

House with attached garage + deck Surrounding house (front, right side + rear)
garden shed + shop (which is the subject of this application)

5. If an addition to an existing building is being proposed, please explain what it will be used for (for example a bedroom, kitchen, or bathroom). If new fixtures are proposed, please describe.

N/A

6. Please describe **all proposed** buildings or structures/additions on the subject lands. Describe the type of buildings or structures/additions, and illustrate the setback, in metric units, from front, rear and side lot lines, ground floor area, gross floor area, lot coverage, number of storeys, width, length, and height on your attached sketch which must be included with your application:

Existing shop which is the subject of this application

7. Are any existing buildings on the subject lands designated under the *Ontario Heritage Act* as being architecturally and/or historically significant? Yes No

If yes, identify and provide details of the building:

N/A

8. If known, the length of time the existing uses have continued on the subject lands:

House w/ deck, garage attached + garden shed on property when purchased in 2017

9. Existing use of abutting properties: Shop (subject of application) erected in 2018 (6 yrs. ago)

Residential

10. Are there any easements or restrictive covenants affecting the subject lands?

Yes No If yes, describe the easement or restrictive covenant and its effect:

C. Purpose of Development Application

Note: Please complete all that apply. Failure to complete this section will result in an incomplete application.

1. Site Information (Please refer to Zoning By-law to confirm permitted dimensions)

| | Existing | Permitted | Provision | Proposed | Deficiency |
|--|-------------|-------------------|-----------|-----------|--------------|
| Lot frontage | | | | | |
| Lot depth | | | | | |
| Lot width | | | | | |
| Lot area | | | | | |
| Lot coverage | | | | | |
| Front yard | 18.097m | 1.2m | 3.2.1 a) | 18.097m | |
| Rear yard | 34.039m | 1.2m | 3.2.1 e) | 34.039m | |
| Height (shop) | 5.7m | 6m | 3.2.1 a) | 5.7m | |
| Left Interior side yard | 15.7m | 1.2m | 3.2.1 d) | 15.7m | |
| Right Interior side yard | 64.34048m | 1.2m | 3.2.1 d) | 64.34048m | |
| Exterior side yard (corner lot) | | | | | |
| Parking Spaces (number) | | | | | |
| Aisle width | | | | | |
| Stall size | | | | | |
| Loading Spaces HL | Shop | No building in HL | 11.11.1 | | 11.11.1 |
| Other shed | 15.26 sq.m | > 100 sq.m | 3.2.1. g) | | > 26.74 sq.m |
| shop | 111.48 sq.m | | | | |

Revised April 2023

Committee of Adjustment Development Application
Page 4 of 13

2. Please explain why it is not possible to comply with the provision(s) of the Zoning By-law:

Shop is existing and is the subject of this application

3. **Consent/Severance/Boundary Adjustment:** Description of land intended to be severed in metric units:

Frontage: N/A

Depth:

Width:

Lot Area:

Present Use:

Proposed Use:

Proposed final lot size (if boundary adjustment): _____

If a boundary adjustment, identify the assessment roll number and property owner of the lands to which the parcel will be added: N/A

Description of land intended to be retained in metric units:

Frontage: N/A

Depth:

Width:

Lot Area:

Present Use:

Proposed Use:

Buildings on retained land: _____

4. **Easement/Right-of-Way:** Description of proposed right-of-way/easement in metric units:

Frontage: N/A

Depth:

Width: _____
Area: _____
Proposed Use: _____

5. Surplus Farm Dwelling Severances Only: List all properties in Norfolk County, which are owned and farmed by the applicant and involved in the farm operation

Owners Name: NJA
Roll Number: _____
Total Acreage: _____
Workable Acreage: _____
Existing Farm Type: (for example: corn, orchard, livestock) _____
Dwelling Present?: Yes No If yes, year dwelling built _____
Date of Land Purchase: _____

Owners Name: _____
Roll Number: _____
Total Acreage: _____
Workable Acreage: _____
Existing Farm Type: (for example: corn, orchard, livestock) _____
Dwelling Present?: Yes No If yes, year dwelling built _____
Date of Land Purchase: _____

Owners Name: _____
Roll Number: _____
Total Acreage: _____
Workable Acreage: _____
Existing Farm Type: (for example: corn, orchard, livestock) _____
Dwelling Present?: Yes No If yes, year dwelling built _____
Date of Land Purchase: _____

Owners Name: _____

Roll Number: _____

Total Acreage: _____

Workable Acreage: _____

Existing Farm Type: (for example: corn, orchard, livestock) _____

Dwelling Present?: Yes No If yes, year dwelling built _____

Date of Land Purchase: _____

Owners Name: _____

Roll Number: _____

Total Acreage: _____

Workable Acreage: _____

Existing Farm Type: (for example: corn, orchard, livestock) _____

Dwelling Present?: Yes No If yes, year dwelling built _____

Date of Land Purchase: _____

Note: If additional space is needed please attach a separate sheet.

D. All Applications: Previous Use of the Property

1. Has there been an industrial or commercial use on the subject lands or adjacent lands? Yes No Unknown

If yes, specify the uses (for example: gas station, or petroleum storage):

N/A

2. Is there reason to believe the subject lands may have been contaminated by former uses on the site or adjacent sites? Yes No Unknown

3. Provide the information you used to determine the answers to the above questions:

N/A

4. If you answered yes to any of the above questions in Section D, a previous use inventory showing all known former uses of the subject lands, or if appropriate, the adjacent lands, is needed. Is the previous use inventory attached? Yes No

E. All Applications: Provincial Policy

1. Is the requested amendment consistent with the provincial policy statements issued under subsection 3(1) of the *Planning Act, R.S.O. 1990, c. P. 13*? Yes No

If no, please explain:

N/A

2. It is owner's responsibility to be aware of and comply with all relevant federal or provincial legislation, municipal by-laws or other agency approvals, including the Endangered Species Act, 2007. Have the subject lands been screened to ensure that development or site alteration will not have any impact on the habitat for endangered or threatened species further to the provincial policy statement subsection 2.1.7? Yes No

If no, please explain:

N/A

3. Have the subject lands been screened to ensure that development or site alteration will not have any impact on source water protection? Yes No

If no, please explain:

Grading survey completed - attached

Note: If in an area of source water Wellhead Protection Area (WHPA) A, B or C please attach relevant information and approved mitigation measures from the Risk Manager Official.

4. All Applications: Are any of the following uses or features on the subject lands or within 500 metres of the subject lands, unless otherwise specified? Please check boxes, if applicable.

Livestock facility or stockyard (submit MDS Calculation with application)

On the subject lands or within 500 meters – distance _____

Wooded area

On the subject lands or within 500 meters – distance **X** _____

Municipal Landfill

On the subject lands or within 500 meters – distance _____

Sewage treatment plant or waste stabilization plant

On the subject lands or within 500 meters – distance _____

Provincially significant wetland (class 1, 2 or 3) or other environmental feature

On the subject lands or within 500 meters – distance _____

Floodplain

On the subject lands or within 500 meters – distance _____

Rehabilitated mine site

On the subject lands or within 500 meters – distance _____

Non-operating mine site within one kilometre

On the subject lands or within 500 meters – distance _____

Active mine site within one kilometre

On the subject lands or within 500 meters – distance _____

Industrial or commercial use (specify the use(s))

On the subject lands or within 500 meters – distance _____

Active railway line

On the subject lands or within 500 meters – distance _____

Seasonal wetness of lands

On the subject lands or within 500 meters – distance _____

Erosion

On the subject lands or within 500 meters – distance _____

Abandoned gas wells

On the subject lands or within 500 meters – distance _____

F. All Applications: Servicing and Access

1. Indicate what services are available or proposed:

Water Supply

Municipal piped water Communal wells
 Individual wells Other (describe below)

Sewage Treatment

Municipal sewers Communal system
 Septic tank and tile bed in good working order Other (describe below)

Storm Drainage

Storm sewers Open ditches
 Other (describe below)

N/A

2. Existing or proposed access to subject lands:

Municipal road Provincial highway
 Unopened road Other (describe below)

Name of road/street:

G. All Applications: Other Information

1. Does the application involve a local business? Yes No

If yes, how many people are employed on the subject lands?

N/A

2. Is there any other information that you think may be useful in the review of this application? If so, explain below or attach on a separate page.

Shop is a one-storey building - no dwelling units

see attached 1-page summary

H. Supporting Material to be submitted by Applicant

In order for your application to be considered complete, folded hard copies (number of paper copies as directed by the planner) and an **electronic version (PDF) of the site plan drawings, additional plans, studies and reports** will be required, including but not limited to the following details:

1. Concept/Layout Plan
2. All measurements in metric
3. Existing and proposed easements and right of ways
4. Parking space totals – required and proposed
5. All dimensions of the subject lands
6. Dimensions and setbacks of all buildings and structures
7. Location and setbacks of septic system and well from all existing and proposed lot lines, and all existing and proposed structures
8. Names of adjacent streets
9. Natural features, watercourses and trees

In addition, the following additional plans, studies and reports, including but not limited to, **may** also be required as part of the complete application submission:

- On-Site Sewage Disposal System Evaluation Form (to verify location and condition)
- Environmental Impact Study
- Geotechnical Study / Hydrogeological Review
- Minimum Distance Separation Schedule
- Record of Site Condition

Your development approval might also be dependent on Ministry of Environment Conservation and Parks, Ministry of Transportation or other relevant federal or provincial legislation, municipal by-laws or other agency approvals.

All final plans must include the owner's signature as well as the engineer's signature and seal.

I. Transfers, Easements and Postponement of Interest

The owner acknowledges and agrees that if required it is their solicitor's responsibility on behalf of the owner for the registration of all transfer(s) of land to the County, and/or transfer(s) of easement in favour of the County and/or utilities. Also, the owner further acknowledges and agrees that it is their solicitor's responsibility on behalf of the owner for the registration of postponements of any charges in favour of the County.

Permission to Enter Subject Lands

Permission is hereby granted to Norfolk County officers, employees or agents, to enter the premises subject to this application for the purposes of making inspections associated with this application, during normal and reasonable working hours.

Freedom of Information

For the purposes of the *Municipal Freedom of Information and Protection of Privacy Act*, I authorize and consent to the use by or the disclosure to any person or public body any information that is collected under the authority of the *Planning Act*, R.S.O. 1990, c. P. 13 for the purposes of processing this application.

Owner/Applicant/Agent Signature

Date

J. Owner's Authorization

If the applicant/agent is not the registered owner of the lands that is the subject of this application, the owner must complete the authorization set out below.

~~We~~ Jennifer Moulder, Wesley Sexsmith am/are the registered owner(s) of the lands that is the subject of this application.

I/We authorize _____ to make this application on my/our behalf and to provide any of my/our personal information necessary for the processing of this application. Moreover, this shall be your good and sufficient authorization for so doing.

Owner

Owner

June 26/24

Date _____

Date _____

***Note: If property is owned by an Ontario Ltd. Corporation, Articles of Incorporation are required to be attached to the application.**

K. Declaration

I, Jennifer Mauder of Tillsonburg, Ontario

solemnly declare that:

all of the above statements and the statements contained in all of the exhibits transmitted herewith are true and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of *The Canada Evidence Act*.

Declared before me at:

Simcoe

In Norfolk

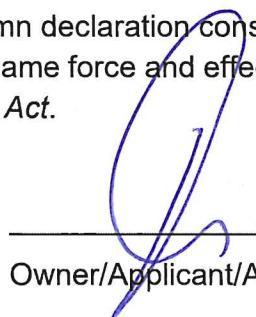
This 26 day of June

A.D., 2024

John Andrew Wallace

A Commissioner, etc.

John Andrew Wallace, a
Commissioner, etc., Province of Ontario,
for the Corporation of Norfolk County.
Expires January 16, 2027.



Owner/Applicant/Agent Signature

461 Plank Road South, Tillsonburg, Ontario – Building erection summary.

On or about September of 2018, my son, AJ Maunder, who co-owned the above noted property (along with myself, Jennifer Maunder) and also resided at the above noted property, located in Norfolk County, proceeded with the process to obtain a permit to erect a shop at the rear of the property.

Unfortunately, there was mis-communication in regards to the permit requirements, first being a permit from Long Point Conservation Authority, as our lands require same and second, a permit from Norfolk County to build the building, which my son was not made aware of at the time and presumed that obtaining the permit from LPCA was enough to commence the erection of the building.

In or around April 2023, when we were considering listing the house on the market for sale, our real estate agent inquired about the permit and whether it was closed.

This brought to light the issue whereas no permit had been acquired from Norfolk County only from LPCA however, the building had already been erected.

My son proceeded to correct this error and make efforts to obtain the required permit from Norfolk County, having spoken to two different planners, Lisa Jennings, and Lindsay King (both of whom apparently no longer work for the County), to confirm what would be required to proceed.

He was informed, in writing (copy included in the minor variance application package) that what would be required was a hazard lands survey (since completed by Stone Crest Engineering and also included with the minor variance application package) and a minor variance application as the size exceed what was deemed acceptable by 249 sq.ft. He was advised that all other matters were satisfied and there was nothing further required.

The property has since changed ownership, as my partner Wesley Murray Sexsmith and I bought my son out and we wish to proceed with the minor variance application, the subsequent Norfolk County permit, the completion of the shop and then the required inspections and closing of the permit to ensure that everything is legal, in the event that we wish to proceed to list the property for sale in the future.

In making efforts to move forward with our application, we have spoken to Scott Northcott, Building Inspector with Norfolk County, who visited the property back in March 2024 to advise that we are required to proceed with the application. Scott then put us in contact with the Committee of Adjustments (Sherry Mott) who we asked for assistance in completing our application properly, since the building had already been erected and the application refers to questions relating to non-existing buildings.

Sherry then forwarded our draft to Hannelore Yager – another planner, who we have also been advised is leaving the County on June 7, 2024, who reviewed our draft application and met with me on June 5, 2024 to review and assist with our minor variance application prior to her departure, with hopes of finalizing our application for submission and consideration by the Committee of Adjustment.

Ms. Yager was extremely helpful in assisting with our now completed application, which we are very grateful for.

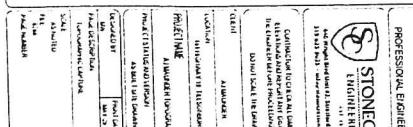
We are attaching this summary so that the Committee is aware of our struggles in trying to remedy this situation.

Jennifer Maunder

Wesley Murray Sexsmith

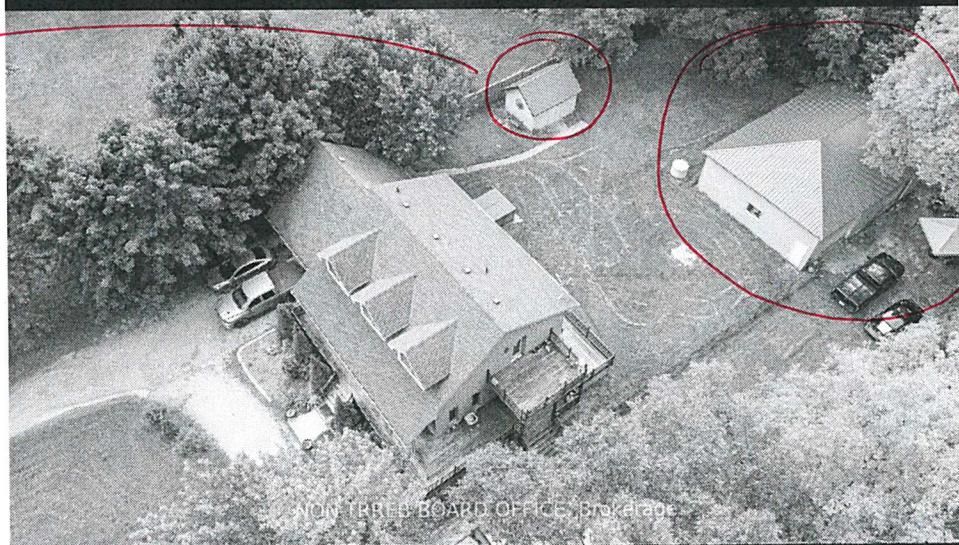


| SUMMARY | |
|---|------------------|
| Shed dimensions | 3.18m W x 4.8m |
| Shop dimensions | 9.144m W x 12.7m |
| Rear of house to back property line | |
| Front left corner of shed to side property line | |
| Rear left corner of shed to back property line | |
| Rear of house to left front of shop | |
| Rear left shop to left property line | |
| Front left shop to left property line | |
| Rear right shop to back property line | |
| Front right shop to right property line | |
| | 64.34048m |

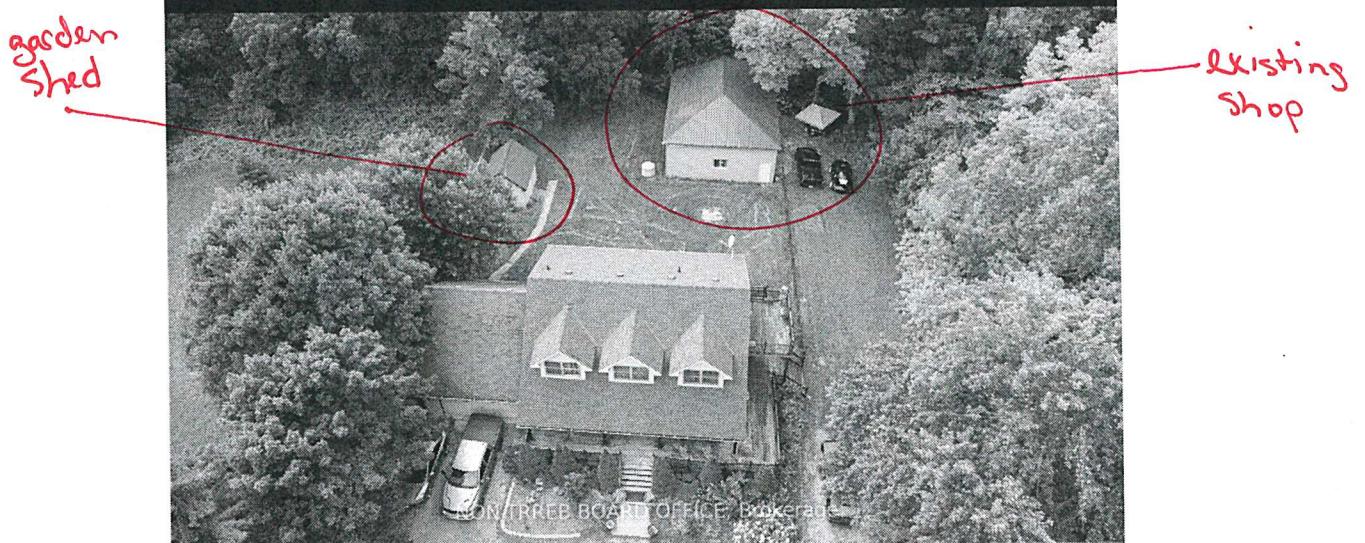


NOTES:

garden
shed.



+ existing
shop





Long Point Region Conservation Authority

PERMIT No. LPRCA-110/23

**FOR DEVELOPMENT, INTERFERENCE WITH WETLANDS &
ALTERATIONS TO SHORELINES & WATERCOURSES**
(CONSERVATION AUTHORITIES ACT - ONTARIO REGULATION 178/06, UNDER O.REG.97/04)

4 Elm Street
Tillsonburg, ON
N4G 0C4
Phone (519) 842-4242
Fax (519) 842-7123
www.lprca.on.ca

Permission has been granted to:

| | | | |
|--|---|-------|---------------------------------------|
| Owner: | Anthony Maunder and Jennifer Maunder | | |
| Address: | 461 Plank Road South Tillsonburg N4G 4G9 | | |
| Agent: | Same as above | | |
| Address: | | | |
| Location/Address of works: 461 Plank Road - 331054101011930 | | | |
| Lot: | 6 | Plan: | 4 Municipality: <u>Norfolk County</u> |
| Description of Works: To construct an approximately 112m ² non-habitable accessory structure. | | | |
| | | | |
| | | | |
| Type of fill: | n/a | | |

This permit is valid on the above location only for the period of:

DATE: June 6, 2023 to June 6, 2025

This permit shall be subject to the following conditions:

The Applicant and owner, by acceptance of and in consideration of the issuance of this permit, agrees to the following conditions:

GENERAL CONDITIONS: (SEE REVERSE SIDE OF PERMIT)

SPECIFIC CONDITIONS:

1. Locations and dimensions of proposed works must be as indicated on the enclosed copy of the work permit application dated June 5, 2023 and the associated information.

GENERAL CONDITIONS:

1. This permit does not preclude any approvals required by any other laws or regulations.
2. Temporary sediment & erosion control measures shall be installed around any disturbed and/or exposed ground or excavated material stockpiles, remain in place until the site has been suitably stabilized, and must be monitored regularly to ensure effectiveness. Remedial/Emergency measures must be taken at any sign of failure. This step is considered necessary to prevent the undesirable migration of silt.
3. The Conservation Authority should be contacted within 48 hours prior to the commencement of construction.
4. Authorized representatives of the Long Point Region Conservation Authority may at any time enter onto the lands which are described herein in order to make any surveys, examinations or inspections which are required for the purpose of insuring that the work(s) authorized by this permit are being carried out according to the terms of this permit.
5. It is the responsibility of the permittee to ensure the development is located within the extent of the property boundaries owned by the proponent.
6. This permit is not assignable.
7. The project shall be carried out generally as per the plans submitted in support of the application as they may be amended by conditions of this permit.
8. This approval does not guarantee the soundness of the proposed work and it is the responsibility of the permittee to monitor and maintain the construction activity to ensure the integrity of the work.
9. The applicant agrees to maintain all existing drainage patterns.
10. Any activity or development other than that identified in this permit application must be reviewed by the LPRCA; at which time, staff will determine if additional approvals or an amended permit will be required.
11. Permits are valid for two years. No notice will be issued on expiration of the permit and it is the responsibility of the permittee to ensure a valid permit is in effect at the time work is occurring.



Long Point Region Conservation Authority

4 Elm Street, Tillsonburg, ON N4G 0C4
Tel: (519) 842-4242 Fax: (519) 842-7123
Email: planning@lprca.on.ca Website: www.lprca.on.ca

Permit Application – Schedule A

REGULATION OF DEVELOPMENT, INTERFERENCE WITH WETLANDS AND
ALTERATIONS TO SHORELINES AND WATERCOURSES (R.R.O. 1990 REG 178/06)

Owner's Name:

Mailing Address:

Anthony Mawnder
461 Plank Rd South

Street Address

P.O. Box

Application #

LPRCA -

Office Use Only

Tillsonburg

City/Town

ON Province

N4G 4G9 Postal Code

Primary Phone: 905-4584-3064 Alternate Phone: _____

Email: a.mawnder@outlook.com

Applicant's Name:

Check if same as above

Mailing Address:

Street Address

P.O. Box

Apartment/Unit #

City/Town

Province

Postal Code

Primary Phone:

Alternate Phone: _____

Email: _____

Location of Proposed Work

Lot: 6

Concession/Plan: 4

Municipality

Norfolk

Municipal Address:

461 plank Rd

Street Address

Tax Assessment Roll Number: 33-10-541-010-11930

Proposed work: (Check all appropriate boxes)

- Place, dump, or remove fill
- Site grading
- Construct a new building or structure
- Alter or renovate an existing building or structure
- Construct a septic system
- Construct erosion control or shoreline protection
- Construct new or replace existing watercourse crossing
- Other: (please describe) Construct Non-habitable accessory Building

Quantity of fill:

N/A

Proposed square footage:

1200

Existing square footage:

0

Description of Proposed Works:

Construct Non-habitable accessory Building

PROPOSED START DATE: July 1st 2018 PROPOSED COMPLETION DATE: Sept 30/2018

I understand that the information contained in this application form is accurate to the best of my knowledge and that the staff of the Long Point Region Conservation Authority (LPRCA) will undertake a detailed inspection of the subject lands as part of the application process.


Applicant Signature

June 5/2023
Date

Agent Signature

Date

Development, Interference with Wetlands and Alterations to Shorelines and Watercourses
Ontario Regulation 178/06

PROPERTY OWNER AUTHORIZATION

Subject Property

Property Location 461 Pine Rd S RR#6
Municipal Address or Lot and Concession or Lot and Plan

Municipality Norfolk Community: Tillsonburg

We Anthony Maundev
Hereby authorize LPCA

To provide as my agent any required authorizations or consents, to submit the enclosed application to the Long Point Region Conservation Authority, and to appear on my behalf at any hearing(s) of the application and to provide any information or material required by the Board relevant to the application for the purposes of obtaining permission to develop, interfere with a wetland or alter a shoreline or watercourse in accordance with the requirements of Ontario Regulation 178/06 as amended.

Signature of Owner: AT Date: June 5/2023

Please copy the Owner on correspondence between the Conservation Authority and the Agent

APPLICATION FORM INSTRUCTIONS

Owner The legal owner(s) of the property where the proposed development or alteration will be carried out.

Applicant If the applicant is not the same as the property owner, written authorization is required from all property owners on whose property the proposed work will be carried out. The authorization(s) must be submitted with the application.

Agent If the applicant has assigned another party as an agent to act on the applicant's behalf for the project, written authorization from the applicant is required so stating.

Quantity of Fill Approximate quantity expressed in cubic metres, cubic yards, truck loads (12 yards) or tandem truck loads (18 yards)

Floor area For residential development, area of living space including full height basement and additional storeys, but not including attached garage, non-habitable crawl space, open breezeways, decks or porches.

APPLICATION CHECKLIST

Submission: LPRCA permit applications along with supporting information may be submitted in person to our office, or by fax, email or mail.

| |
|----------------------|
| Office Use Only |
| Application # LPRCA- |
| List Issued: |

Pre-consultation: Please contact LPRCA staff regarding the requirements specific to your proposal. Also, please make sure your contractors and consultants contact LPRCA staff before completing detailed drawings or technical studies.

Complete application: A complete application package includes (check all applicable)

Applicable Submitted

- ✓ A completed, signed and dated application form;
- ✓ Written authorization (if the applicant is not the owner of the property where the work is being done)
- ✓ Written authorization (if the property owner is assigning another party as an agent for the project);
- ✓ Application fee (see fee schedule, fees subject to change without notice);
- ✓ A scaled and detailed site plan;
- ✓ A scaled cross-sectional drawing and floor plans;

Drawings: One copy of all project drawings, reports, unless otherwise requested. Hardcopy drawings must be provided and readable on sheets no larger than 11" x 17". Electronic submission of drawings and reports is preferred. The drawings should include (either as part of the illustration or as notes).

- ✓ Legal description of the property (e.g. roll number, lot, concession, municipality);
- ✓ Scale, date, and directional arrow;
- ✓ Dimensions of the property (a copy of a legal survey may be required);
- ✓ Location, dimensions and geodetic elevations of all existing and proposed structures, grading, filling, excavating, and the distance to any waterbody(s) (e.g. wetlands, streams, lakes), valleys, steep slopes on or adjacent to the property;
- ✓ Location and type of sediment and erosion control measures (e.g. silt fence) and soil stabilization measures (e.g. seeding, sodding, planting)

Technical reports: One or more of the following technical reports may be required (as advised by LPRCA staff).

- Design drawings and description of the design elements for flood-proofing measures, stamped and certified by a qualified professional engineer (for development in floodplains and flood hazard areas)
- Slope stability study and erosion analysis, prepared by a qualified professional with expertise in geotechnical engineering, to determine the stable top-of-bank, the minimum development setback to address the potential erosion hazards, and associated foundation, construction, grading and drainage recommendations, in accordance with the Provincial Technical Guidelines (for development in erosion hazard areas)
- Coastal engineering assessment prepared by a qualified professional with expertise in coastal engineering in accordance with LPRCA's Shoreline Management Plan and the Provincial Technical Guidelines addressing hydrodynamic forces affecting the design and indicating how the aggravation of erosion on neighbouring properties is avoided (for shoreline alterations).
- Environmental Impact Study (EIS) clearly indicating that there will be no negative impact to the form or function of the wetland to the satisfaction of LPRCA (for development near wetlands)
- Hydraulic analysis by a qualified professional engineer addressing flood conveyance, storage-discharge, and changes in flood levels on-site and on adjacent properties (for development in floodplains, watercourse alterations).
- Complex and large-scale proposals may require additional technical studies and plans.

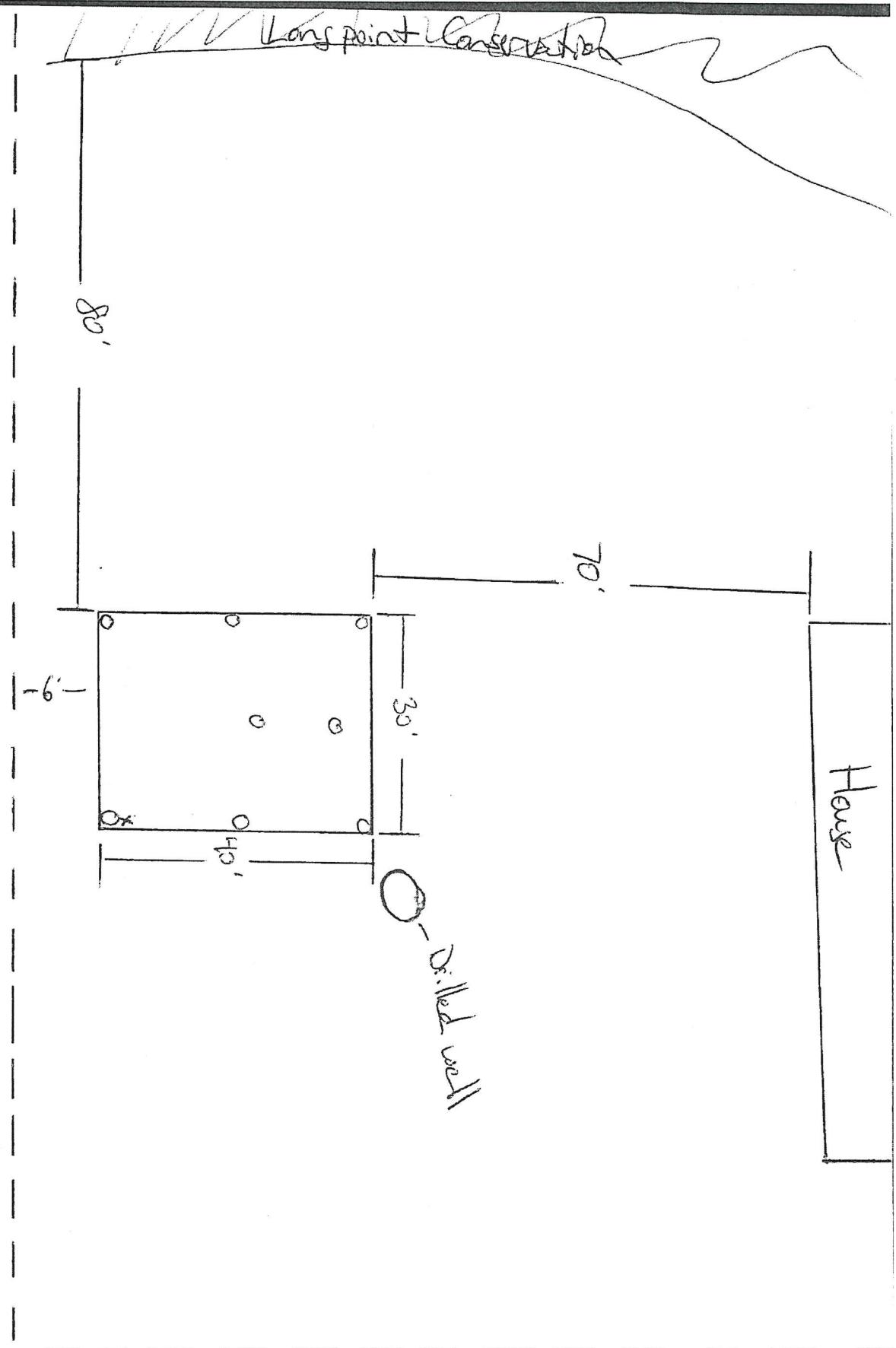
| | |
|--|-------|
| For Office Use Only | |
| Application Submitted: | |
| Complete Application: | |
| Application Fee: | Paid: |
| Board Approval Required Date of Board Meeting: | |

GENERAL CONDITIONS OF PERMIT

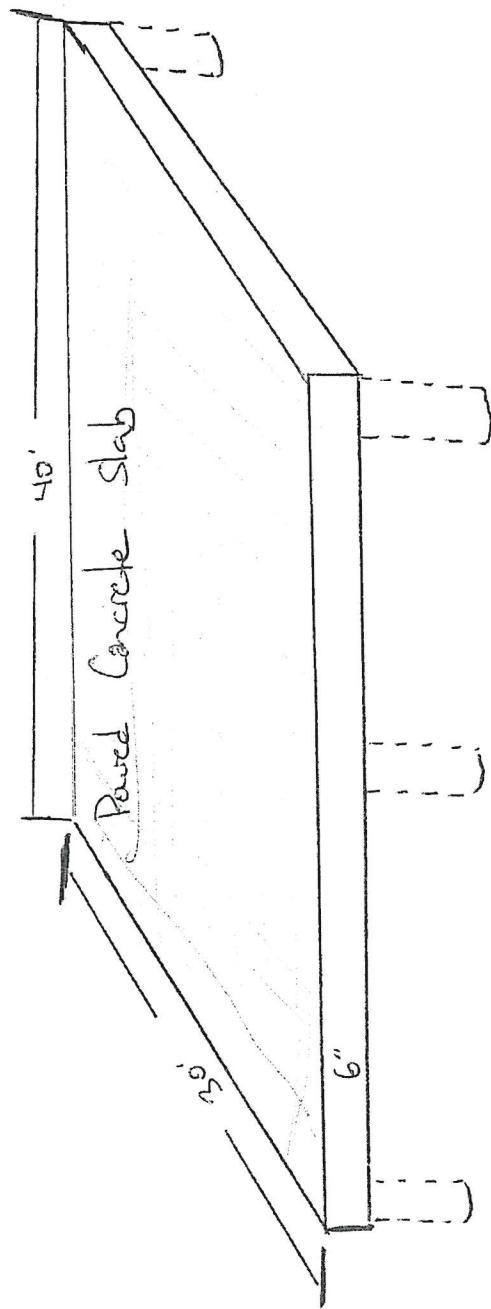
1. This permit does not absolve the permittee of the responsibility of obtaining necessary permission from applicable federal and provincial agencies or local municipalities
2. The permittee agrees by acceptance of the permit:
 - a) to indemnify and save harmless, the Long Point Region Conservation Authority and its officers, employees, or agents, from and against all damage, injury, loss, costs, claims, demands, actions and proceedings, arising out of or resulting from any act or omission of the permittee or of any of his agents, employees or contractors relating to any of the particular terms or conditions of this permit
 - b) that this permit shall not release the permittee from any legal liability or obligation and remains in force subject to all limitations, requirements, requirements and liabilities imposed by law.
 - c) to provide certification of conformance to ensure compliance with the intent of the permit. This certification must be provided by an accredited professional and is to be submitted as may be specified in the permit.
3. Authorized representatives of the Long Point Region Conservation Authority will be granted entry at any time into lands and buildings which are the subject of this permit application in order to make such surveys, examinations, investigations, inspections or other arrangements which such representatives deem necessary.
4. The project shall be carried out generally as per the plans submitted in support of the application as they may be amended by conditions of this permit.
5. Any activity or development other than that identified in this permit application must be reviewed by the LPRCA, at which time, staff will determine if additional approvals or an amended permit will be required.
6. The Long Point Region Conservation Authority may cancel this permit or may change any of the conditions at any time and without prior notice if it is determined that:
 - a) the works are not in conformance with the intent of the permission granted;
 - b) the information presented to obtain a permit is false;
 - c) the works or method of construction has detrimental impacts on the environment.
7. Temporary sediment & erosion control measures shall be installed around any disturbed and/or exposed ground or excavated material stockpiles, remain in place until the site has been suitably stabilized, and must be monitored regularly to ensure effectiveness. Remedial/Emergency measures must be taken at any sign of failure.
8. The applicant agrees to maintain all existing drainage patterns except as expressly identified in this permit.
9. It is the responsibility of the permittee to ensure the development is located within the extent of the property boundaries owned by the proponent.
10. This approval does not guarantee the soundness of the proposed work and it is the responsibility of the permittee to monitor and maintain the construction activity to ensure the integrity of the work.
11. This permit shall not be assigned (non-transferable).
12. Permits are valid for two years. No notice will be issued on expiration of the permit and it is the responsibility of the permittee to ensure a valid permit is in effect at the time work is occurring.
13. The Conservation Authority should be contacted within 48 hours prior to the commencement of construction.
14. The Long Point Region Conservation Authority may make copies of Schedule A, as required, for the purposes of assessing the proposal and, where approved, to form part of the permit issued.

NOTICE OF COLLECTION

Pursuant to section 29(2) of the Municipal Freedom of Information and Protection of Individual Privacy Act, 1989, the personal information contained on this form is collected under the legal authority of the Conservation Authorities Act, R.S.O. 1990, c.C85, as amended. This information is used to assess applications for and, where approved, issue comment. The name of the applicant, location of the work and a description of the project may be published in LPRCA documents, including agendas, reports and meeting minutes which are posted on the LPRCA website. Questions about the collection of personal information should be directed to the Freedom of Information Coordinator, Long Point Region Conservation Authority, 4 Elm Street, Tillsonburg, Ontario, N4G 0C4, (519) 842-4242.

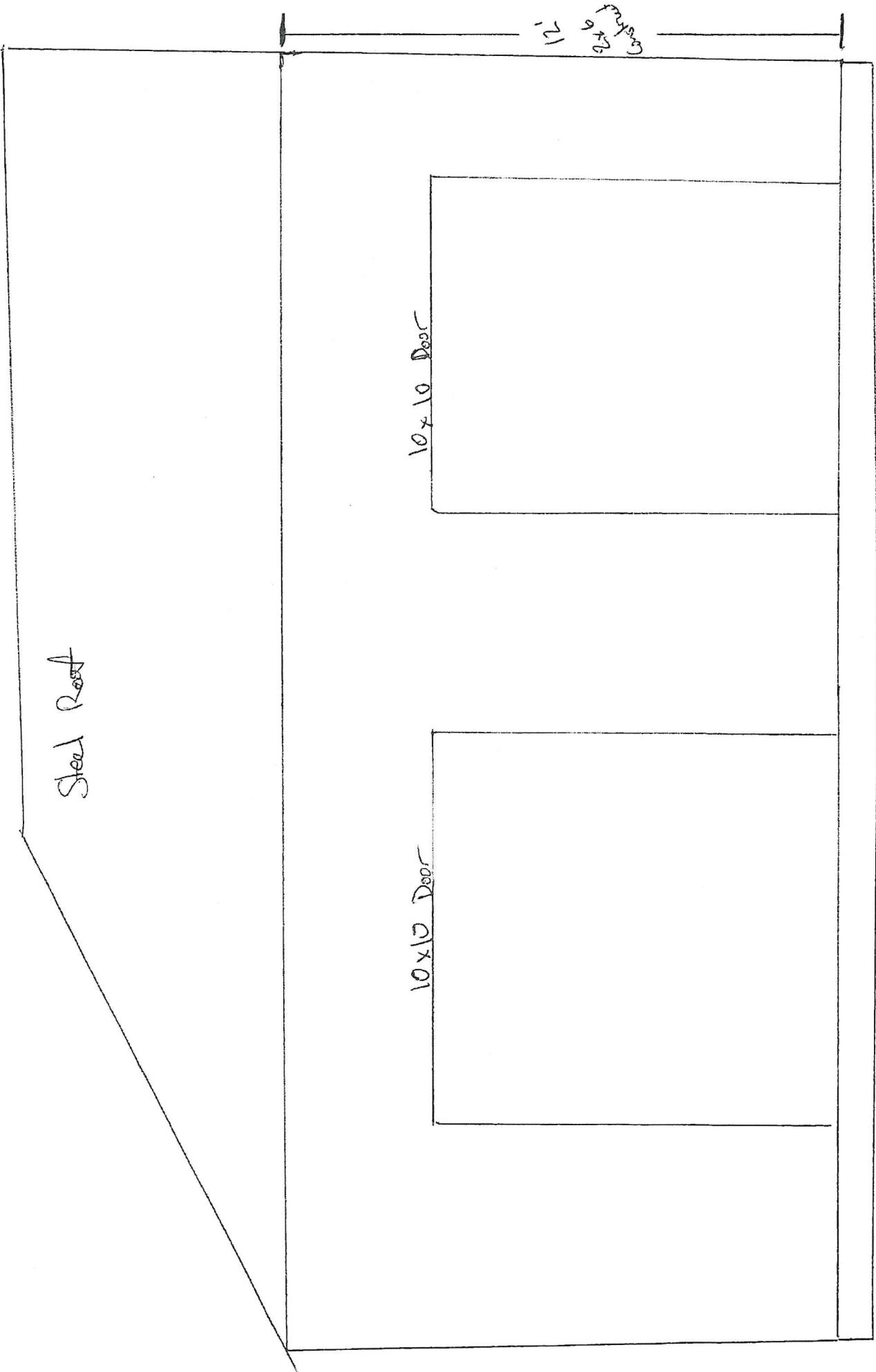


--- Property line
○ 36" Sonders to Rebar
X Electrical entrance

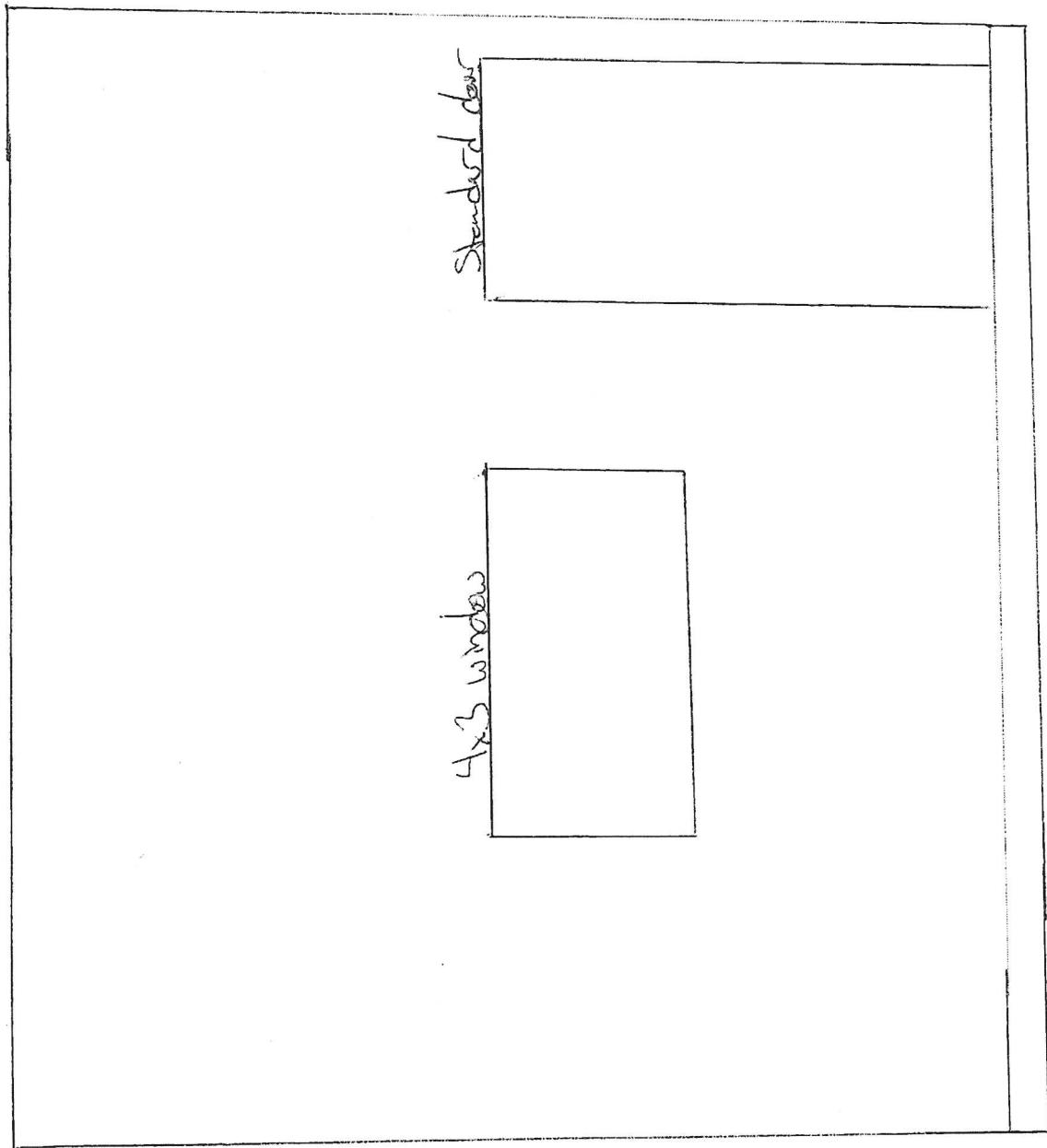


6" slab
Reinforced
Concrete slab

40' wall
Joist 16" centered

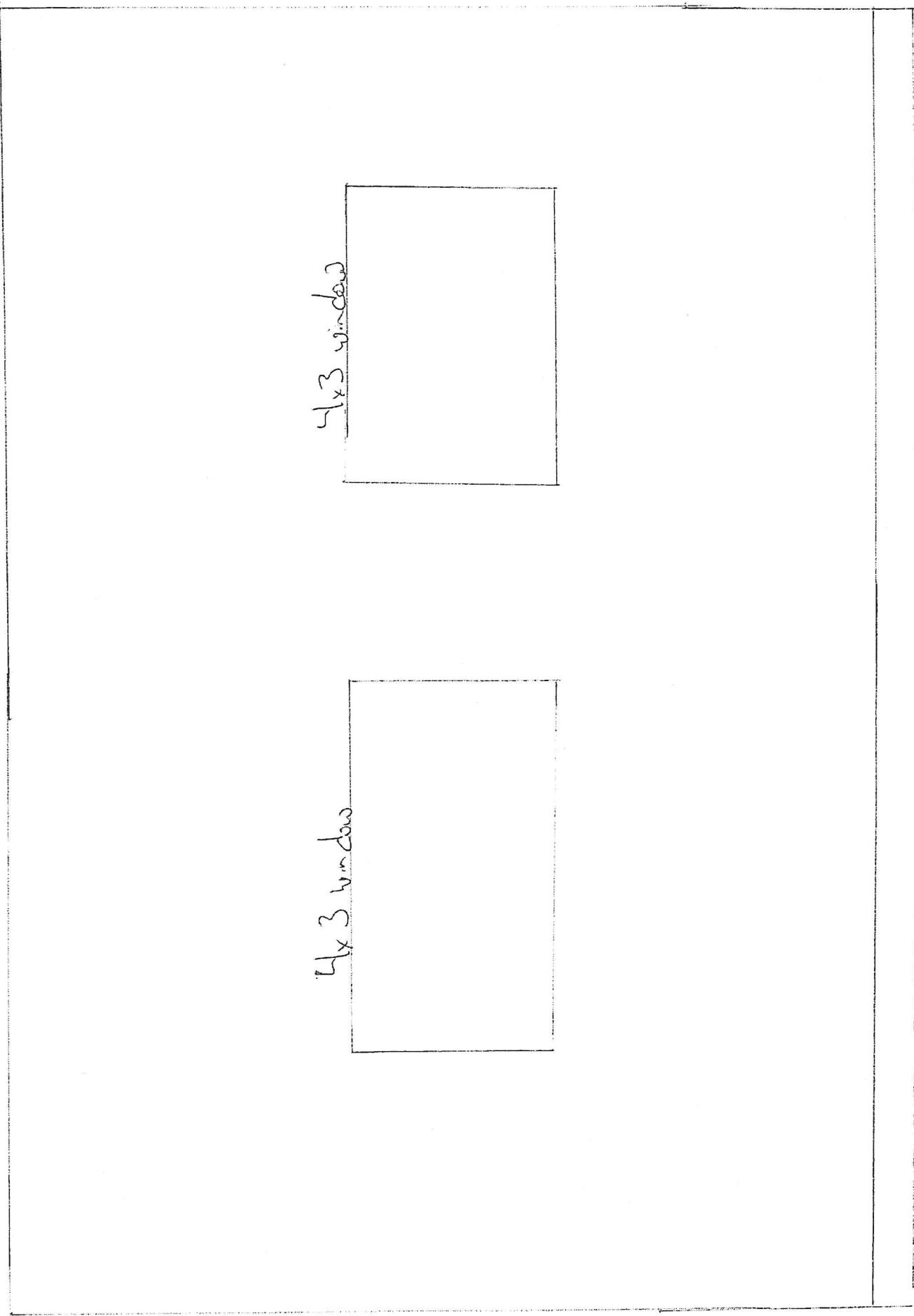


2 30' walls
Total 16" centered



40' wall

Total 16' centered



| | | | | | |
|--|------------------|---------------|----------|-----------------------------------|----------|
| JOB NAME 88326 | TRUSS NAME A3 | QUANTITY 1 | PLY 1 | LOC DESC. 461 Plank road South | DRWG NO. |
| Welford Roof Truss, Welford, Ont. | | | | | |
| Version 8.210 S Mar 12 2018 MTek Industries, Inc. Thu Sep 27 14:34:04 2018 Page 1 ID: oWxOEairAT7TfQ2INh8OycnF-AIV9OdeodcaBTLM5aue4fEdv3owdrfPrBnWlyZPzX Scale = 1.50 | | | | | |
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| <img alt="Structural diagram of a roof truss A3. The truss has a peak height of 10'-0" and a span of 30'-0". It features a central vertical support (center column) and diagonal bracing. A callout bubble specifies '2 X 4 #2 SPF CONT. LATERAL BRACING AT 24" O/C ALONG TOP CHORD USING TWO (2) 3" COMMON WIRE NAILS PER CONNECTION'. Dimensions include 10'-0" on each side of the center, 5'-0" on each side of the center, and 15'-0" from the center to the eaves. The truss is labeled with points A through P and various dimensions like 4x6, 3x6, 2x6, and | | | | | |

| JOB NAME | TRUSS NAME | QUANTITY | PLY | JOB DESC. | 461 Plank road South | DRWG NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 88326 | A4 | 1 | 1 | TRUSS DESC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Watford Roof Truss, Watford, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Version 8.210 S Mar 12 2018 MiTek Industries, Inc. Thu Sep 27 14:34:04 2018 Page 1 ID:eWxOEairAT77TfG2INhK8OycncF-AlV9OdecdoaBTLTM6aue4fAgv3nwguFPrBnWlyZPzX Scale = 1:50.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="1"> <thead> <tr> <th colspan="2">LUMBER</th> <th colspan="4">DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER</th> <th colspan="2">DESIGN CRITERIA</th> </tr> <tr> <th>N. L. G. A. RULES</th> <th>CHORDS SIZE</th> <th>LUMBER</th> <th>DESCR.</th> <th>SPF</th> <th>FACTORING</th> <th>MAXIMUM FACTORED</th> <th>INPUT</th> <th>REQD</th> <th>SPECIFIED LOADS:</th> </tr> </thead> <tbody> <tr> <td>A - D</td> <td>2x4</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td>GROSS REACTION</td> <td>GROSS REACTION</td> <td>BRG</td> <td>BRG</td> <td>TOP CH. LL = 23.3 PSF</td> </tr> <tr> <td>D - E</td> <td>2x4</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td>JT VERT</td> <td>DOWN</td> <td>BRG</td> <td>IN-SX</td> <td>DL = 6.0 PSF</td> </tr> <tr> <td>E - H</td> <td>2x4</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td>HORZ</td> <td>HORZ</td> <td>IN-SX</td> <td></td> <td>BOT CH. LL = 0.0 PSF</td> </tr> <tr> <td>F - J</td> <td>2x4</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td>UPLIFT</td> <td>UPLIFT</td> <td></td> <td></td> <td>DL = 7.0 PSF</td> </tr> <tr> <td>J - G</td> <td>2x4</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td></td> <td></td> <td></td> <td></td> <td>TOTAL LOAD = 36.3 PSF</td> </tr> <tr> <td>ALL WEBS</td> <td>2x3</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td></td> <td></td> <td></td> <td></td> <td>SPACING = 24.0 IN. C/C</td> </tr> <tr> <td>DRY: SEASONED LUMBER.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>LOADING IN FLAT SECTION BASED ON A SLOPE OF 5.0/12</td> </tr> <tr> <td colspan="2">PLATES (table 1s in inches)</td> <td colspan="6">BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, G</td> <td colspan="2">THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010</td> </tr> <tr> <td>JT</td> <td>TYPE</td> <td>PLATES</td> <td>W</td> <td>LEN</td> <td>Y</td> <td>X</td> <td colspan="2">THIS DESIGN COMPLIES WITH:</td> </tr> <tr> <td>B</td> <td>TMB-I</td> <td>MT20</td> <td>3.0</td> <td>8.0</td> <td>0.25</td> <td>8.00</td> <td colspan="2"> <ul style="list-style-type: none"> - PART 9 OF CEC 2012, ECBC 2012, ABC 2014 - CSA 086-09 - TRIC 2011 </td> </tr> <tr> <td>C</td> <td>TMW+w</td> <td>MT20</td> <td>2.0</td> <td>6.0</td> <td></td> <td></td> <td colspan="2">(55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD</td> </tr> <tr> <td>D</td> <td>TTW-m</td> <td>MT20</td> <td>3.0</td> <td>6.0</td> <td>1.25</td> <td>2.25</td> <td colspan="2">ALLOWABLE DEFL (LL)= L/360 (1.00")</td> </tr> <tr> <td>E</td> <td>TTW-W-m</td> <td>MT20</td> <td>5.0</td> <td>5.0</td> <td>1.75</td> <td>2.00</td> <td colspan="2">CALCULATED VERT DEFL(LL) = L / 989 (0.16")</td> </tr> <tr> <td>F</td> <td>TMW-w</td> <td>MT20</td> <td>2.0</td> <td>6.0</td> <td></td> <td></td> <td colspan="2">ALLOWABLE DEFL(TL)= L/60 (1.00")</td> </tr> <tr> <td>G</td> <td>TMB-I</td> <td>MT20</td> <td>3.0</td> <td>8.0</td> <td>0.25</td> <td>8.00</td> <td colspan="2">CALCULATED VERT. DEFL(TL) = L / 831 (0.43")</td> </tr> <tr> <td></td> <td>BMW-W-I</td> <td>MT20</td> <td>3.0</td> <td>6.0</td> <td></td> <td></td> <td colspan="2">CSI: TC=0.61/1.00 (F=0.1), BC=0.69/1.00 (K-L-1), WB=0.17/1.00 (F=1.1), SS=0.23/1.00 (F=0.1)</td> </tr> <tr> <td></td> <td>BS-I</td> <td>MT20</td> <td>3.0</td> <td>6.0</td> <td></td> <td></td> <td colspan="2">DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10</td> </tr> <tr> <td>K</td> <td>BMW-W-</td> <td>MT20</td> <td>3.0</td> <td>8.0</td> <td></td> <td></td> <td colspan="2">CCMD=1.10 SHEAR=1.10 TENS=1.10</td> </tr> <tr> <td colspan="2"></td> <td colspan="6"></td> <td colspan="2">COMPANION LIVE LOAD FACTOR = 0.50</td> </tr> <tr> <td colspan="2"></td> <td colspan="6"></td> <td colspan="2">TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.</td> </tr> <tr> <td colspan="2"></td> <td colspan="6"></td> <td colspan="2">NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLU) MAX MIN MAX MIN MAX MIN MT20 610 354 1667 822 2284 1656</td> </tr> <tr> <td colspan="2"></td> <td colspan="6"></td> <td colspan="2">PLATE PLACEMENT TOL. = 0.250 inches</td> </tr> <tr> <td colspan="2"></td> <td colspan="6"></td> <td colspan="2">PLATE ROTATION TOL. = 5.0 Deg.</td> </tr> <tr> <td colspan="2"></td> <td colspan="6"></td> <td colspan="2">JSI GRIP= 0.68 (E) (INPUT = 0.90) JSI METAL= 0.65 (J) (INPUT = 1.00)</td> </tr> <tr> <td colspan="2"></td> <td colspan="6"></td> <td colspan="2">WA18-6285</td> </tr> <tr> <td colspan="2"></td> <td colspan="6"></td> <td colspan="2">SEP 27 2018</td> </tr> <tr> <td colspan="9" style="text-align: right;">This dwg sealed as component only</td> </tr> </tbody> </table> | | | | | | | LUMBER | | DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER | | | | DESIGN CRITERIA | | N. L. G. A. RULES | CHORDS SIZE | LUMBER | DESCR. | SPF | FACTORING | MAXIMUM FACTORED | INPUT | REQD | SPECIFIED LOADS: | A - D | 2x4 | DRY | No.2 | SPF | GROSS REACTION | GROSS REACTION | BRG | BRG | TOP CH. LL = 23.3 PSF | D - E | 2x4 | DRY | No.2 | SPF | JT VERT | DOWN | BRG | IN-SX | DL = 6.0 PSF | E - H | 2x4 | DRY | No.2 | SPF | HORZ | HORZ | IN-SX | | BOT CH. LL = 0.0 PSF | F - J | 2x4 | DRY | No.2 | SPF | UPLIFT | UPLIFT | | | DL = 7.0 PSF | J - G | 2x4 | DRY | No.2 | SPF | | | | | TOTAL LOAD = 36.3 PSF | ALL WEBS | 2x3 | DRY | No.2 | SPF | | | | | SPACING = 24.0 IN. C/C | DRY: SEASONED LUMBER. | | | | | | | | | LOADING IN FLAT SECTION BASED ON A SLOPE OF 5.0/12 | PLATES (table 1s in inches) | | BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, G | | | | | | THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010 | | JT | TYPE | PLATES | W | LEN | Y | X | THIS DESIGN COMPLIES WITH: | | B | TMB-I | MT20 | 3.0 | 8.0 | 0.25 | 8.00 | <ul style="list-style-type: none"> - PART 9 OF CEC 2012, ECBC 2012, ABC 2014 - CSA 086-09 - TRIC 2011 | | C | TMW+w | MT20 | 2.0 | 6.0 | | | (55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD | | D | TTW-m | MT20 | 3.0 | 6.0 | 1.25 | 2.25 | ALLOWABLE DEFL (LL)= L/360 (1.00") | | E | TTW-W-m | MT20 | 5.0 | 5.0 | 1.75 | 2.00 | CALCULATED VERT DEFL(LL) = L / 989 (0.16") | | F | TMW-w | MT20 | 2.0 | 6.0 | | | ALLOWABLE DEFL(TL)= L/60 (1.00") | | G | TMB-I | MT20 | 3.0 | 8.0 | 0.25 | 8.00 | CALCULATED VERT. DEFL(TL) = L / 831 (0.43") | | | BMW-W-I | MT20 | 3.0 | 6.0 | | | CSI: TC=0.61/1.00 (F=0.1), BC=0.69/1.00 (K-L-1), WB=0.17/1.00 (F=1.1), SS=0.23/1.00 (F=0.1) | | | BS-I | MT20 | 3.0 | 6.0 | | | DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 | | K | BMW-W- | MT20 | 3.0 | 8.0 | | | CCMD=1.10 SHEAR=1.10 TENS=1.10 | | | | | | | | | | COMPANION LIVE LOAD FACTOR = 0.50 | | | | | | | | | | TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. | | | | | | | | | | NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLU) MAX MIN MAX MIN MAX MIN MT20 610 354 1667 822 2284 1656 | | | | | | | | | | PLATE PLACEMENT TOL. = 0.250 inches | | | | | | | | | | PLATE ROTATION TOL. = 5.0 Deg. | | | | | | | | | | JSI GRIP= 0.68 (E) (INPUT = 0.90) JSI METAL= 0.65 (J) (INPUT = 1.00) | | | | | | | | | | WA18-6285 | | | | | | | | | | SEP 27 2018 | | This dwg sealed as component only | | | | | | | | |
| LUMBER | | DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER | | | | DESIGN CRITERIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N. L. G. A. RULES | CHORDS SIZE | LUMBER | DESCR. | SPF | FACTORING | MAXIMUM FACTORED | INPUT | REQD | SPECIFIED LOADS: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A - D | 2x4 | DRY | No.2 | SPF | GROSS REACTION | GROSS REACTION | BRG | BRG | TOP CH. LL = 23.3 PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D - E | 2x4 | DRY | No.2 | SPF | JT VERT | DOWN | BRG | IN-SX | DL = 6.0 PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E - H | 2x4 | DRY | No.2 | SPF | HORZ | HORZ | IN-SX | | BOT CH. LL = 0.0 PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F - J | 2x4 | DRY | No.2 | SPF | UPLIFT | UPLIFT | | | DL = 7.0 PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J - G | 2x4 | DRY | No.2 | SPF | | | | | TOTAL LOAD = 36.3 PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL WEBS | 2x3 | DRY | No.2 | SPF | | | | | SPACING = 24.0 IN. C/C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRY: SEASONED LUMBER. | | | | | | | | | LOADING IN FLAT SECTION BASED ON A SLOPE OF 5.0/12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLATES (table 1s in inches) | | BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, G | | | | | | THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT | TYPE | PLATES | W | LEN | Y | X | THIS DESIGN COMPLIES WITH: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | TMB-I | MT20 | 3.0 | 8.0 | 0.25 | 8.00 | <ul style="list-style-type: none"> - PART 9 OF CEC 2012, ECBC 2012, ABC 2014 - CSA 086-09 - TRIC 2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | TMW+w | MT20 | 2.0 | 6.0 | | | (55% OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | TTW-m | MT20 | 3.0 | 6.0 | 1.25 | 2.25 | ALLOWABLE DEFL (LL)= L/360 (1.00") | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | TTW-W-m | MT20 | 5.0 | 5.0 | 1.75 | 2.00 | CALCULATED VERT DEFL(LL) = L / 989 (0.16") | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | TMW-w | MT20 | 2.0 | 6.0 | | | ALLOWABLE DEFL(TL)= L/60 (1.00") | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | TMB-I | MT20 | 3.0 | 8.0 | 0.25 | 8.00 | CALCULATED VERT. DEFL(TL) = L / 831 (0.43") | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | BMW-W-I | MT20 | 3.0 | 6.0 | | | CSI: TC=0.61/1.00 (F=0.1), BC=0.69/1.00 (K-L-1), WB=0.17/1.00 (F=1.1), SS=0.23/1.00 (F=0.1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | BS-I | MT20 | 3.0 | 6.0 | | | DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | BMW-W- | MT20 | 3.0 | 8.0 | | | CCMD=1.10 SHEAR=1.10 TENS=1.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | COMPANION LIVE LOAD FACTOR = 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLU) MAX MIN MAX MIN MAX MIN MT20 610 354 1667 822 2284 1656 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | PLATE PLACEMENT TOL. = 0.250 inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | PLATE ROTATION TOL. = 5.0 Deg. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | JSI GRIP= 0.68 (E) (INPUT = 0.90) JSI METAL= 0.65 (J) (INPUT = 1.00) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | WA18-6285 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | SEP 27 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| This dwg sealed as component only | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| JOB NAME 88326 | TRUSS NAME A5 | QUANTITY 1 | PLY 1 | JOB DESC. 461 Plank road South | DRWG NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Watford Roof Truss, Watford, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Version 8.210 S Mar 12 2016 MiTek Industries, Inc. Thu Sep 27 14:34:05 2018 Page 1 ID:oWxOEairAT7TfQ2INnK8OychnF-eU3XczfQ05i2Kdwfwp57BHBKDJP?feOeVwL2kyZPzW 30-0-030-10-8 10-8 Scale = 1:50.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESC'R BEARINGS</p> <table border="1"> <thead> <tr> <th>FACTORED</th> <th>MAXIMUM FACTORED</th> <th>INPUT</th> <th>REQD</th> </tr> <tr> <th>GROSS REACTION</th> <th>GROSS REACTION</th> <th>BRG</th> <th>BRG</th> </tr> </thead> <tbody> <tr> <td>JT VERT</td> <td>HORZ</td> <td>DOWN</td> <td>UPLIFT</td> </tr> <tr> <td>B 1614</td> <td>C</td> <td>1514</td> <td>0</td> </tr> <tr> <td>I 1614</td> <td>0</td> <td>1514</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td>5-8</td> <td>5-8</td> </tr> <tr> <td></td> <td></td> <td>1-12</td> <td>1-12</td> </tr> </tbody> </table> <p>UNFACTORED REACTIONS</p> <table border="1"> <thead> <tr> <th>1ST LCASE</th> <th>MAX /MIN</th> <th>COMPONENT REACTIONS</th> </tr> <tr> <th>JT COMBINED</th> <th>SNOW</th> <th>LIVE</th> <th>PERM-LIVE</th> <th>WIND</th> <th>DEAD</th> <th>SOIL</th> </tr> </thead> <tbody> <tr> <td>B 1143</td> <td>742/0</td> <td>0/0</td> <td>0/0</td> <td>0/0</td> <td>401/0</td> <td>0/0</td> </tr> <tr> <td>I 1143</td> <td>742/0</td> <td>0/0</td> <td>0/0</td> <td>0/0</td> <td>401/0</td> <td>0/0</td> </tr> </tbody> </table> <p>BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, I</p> <p>BRACING TOP CHORD TO BE SHEATHED OR MAX. PURFLIN SPACING = 3.33 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.</p> <p>ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.</p> <p>LOADING TOTAL LOAD CASES: (4)</p> <table border="1"> <thead> <tr> <th>CHORDS</th> <th>WEB S</th> </tr> <tr> <th>MAX. FACTORED</th> <th>FACTORED</th> <th>MAX. FACTORED</th> </tr> <tr> <th>MEMB. FORCE</th> <th>VERT. LOAD LC1</th> <th>MAX. MEMB. FORCE</th> <th>MAX. LENGTH FR-TO</th> <th>CSI (LC)</th> </tr> <tr> <th>(LBS)</th> <th>(PLF)</th> <th>CSI (LC)</th> <th>UNBRAC</th> <th>(CSI)</th> </tr> </thead> <tbody> <tr> <td>FR-TO</td> <td>FROM</td> <td>TO</td> <td>LENGTH</td> <td>FR-TO</td> </tr> <tr> <td>A-B 0/14</td> <td>84.9</td> <td>-84.9</td> <td>0.05 (1)</td> <td>10.00</td> <td>C-M -679/0</td> <td>0.21 (1)</td> </tr> <tr> <td>B-O -3244/0</td> <td>-84.9</td> <td>-84.9</td> <td>0.13 (4)</td> <td>3.92</td> <td>M-E 0/624</td> <td>0.19 (1)</td> </tr> <tr> <td>O-C -3139/0</td> <td>-84.9</td> <td>-84.9</td> <td>0.69 (1)</td> <td>3.33</td> <td>M-F 0/0</td> <td>0.00 (1)</td> </tr> <tr> <td>C-D -2659/0</td> <td>-84.9</td> <td>-84.9</td> <td>0.69 (1)</td> <td>3.59</td> <td>F-K 0/623</td> <td>0.19 (1)</td> </tr> <tr> <td>D-E -2659/0</td> <td>-84.9</td> <td>-84.9</td> <td>0.69 (1)</td> <td>3.59</td> <td>K-H -679/0</td> <td>0.21 (1)</td> </tr> <tr> <td>E-F -1964/0</td> <td>-84.9</td> <td>-84.9</td> <td>0.09 (1)</td> <td>4.76</td> <td>N-O -36/178</td> <td>0.00 (1)</td> </tr> <tr> <td>F-G -2558/0</td> <td>-84.9</td> <td>-84.9</td> <td>0.69 (1)</td> <td>3.59</td> <td>P-Q -33/179</td> <td>0.00 (1)</td> </tr> <tr> <td>G-H -2558/0</td> <td>-84.9</td> <td>-84.9</td> <td>0.59 (1)</td> <td>3.59</td> <td></td> <td></td> </tr> <tr> <td>H-Q -3138/0</td> <td>-84.9</td> <td>-84.9</td> <td>0.69 (1)</td> <td>3.33</td> <td></td> <td></td> </tr> <tr> <td>Q-I -3244/0</td> <td>-84.9</td> <td>-84.9</td> <td>0.13 (4)</td> <td>3.82</td> <td></td> <td></td> </tr> <tr> <td>I-J 0/14</td> <td>-84.9</td> <td>-84.9</td> <td>0.05 (1)</td> <td>10.00</td> <td></td> <td></td> </tr> <tr> <td>B-N 0/2921</td> <td>-17.5</td> <td>-17.5</td> <td>0.53 (1)</td> <td>10.00</td> <td></td> <td></td> </tr> <tr> <td>N-M 0/2921</td> <td>-17.5</td> <td>-17.5</td> <td>0.69 (1)</td> <td>10.00</td> <td></td> <td></td> </tr> <tr> <td>M-L 0/1963</td> <td>-17.5</td> <td>-17.5</td> <td>0.54 (1)</td> <td>10.00</td> <td></td> <td></td> </tr> <tr> <td>L-K 0/1963</td> <td>-17.5</td> <td>-17.5</td> <td>0.54 (1)</td> <td>10.00</td> <td></td> <td></td> </tr> <tr> <td>K-P 0/2920</td> <td>-17.5</td> <td>-17.5</td> <td>0.69 (1)</td> <td>10.00</td> <td></td> <td></td> </tr> <tr> <td>P-I 0/2920</td> <td>-17.5</td> <td>-17.5</td> <td>0.53 (1)</td> <td>10.00</td> <td></td> <td></td> </tr> </tbody> </table> <p>ALLOWABLE DEFL. (LL) = $L/360$ (1.00") CALCULATED VERT. DEFL. (LL) = $L/999$ (0.17") ALLOWABLE DEFL. (TL) = $L/360$ (1.00") CALCULATED VERT. DEFL. (TL) = $L/886$ (0.41") CSI: TC=0.69/1.00 (H-Q:1), BC=0.69/1.00 (M-N:1), WB=0.21/1.00 (H-K:1), SSI=0.25/1.00 (F-H:1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10 COMPANION LIVE LOAD FACTOR = 0.50</p> <p>TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT .</p> <p>NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 618 391 1667 822 2284 1656</p> <p>PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.80 (B) (INPUT = 0.90) JSI METAL= 0.62 (L) (INPUT = 1.00)</p> <p>WA186286 SEP 27 2018</p> <p>This dwg sealed as component only</p> | | | | | | FACTORED | MAXIMUM FACTORED | INPUT | REQD | GROSS REACTION | GROSS REACTION | BRG | BRG | JT VERT | HORZ | DOWN | UPLIFT | B 1614 | C | 1514 | 0 | I 1614 | 0 | 1514 | 0 | | | 5-8 | 5-8 | | | 1-12 | 1-12 | 1ST LCASE | MAX /MIN | COMPONENT REACTIONS | JT COMBINED | SNOW | LIVE | PERM-LIVE | WIND | DEAD | SOIL | B 1143 | 742/0 | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | I 1143 | 742/0 | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | CHORDS | WEB S | MAX. FACTORED | FACTORED | MAX. FACTORED | MEMB. FORCE | VERT. LOAD LC1 | MAX. MEMB. FORCE | MAX. LENGTH FR-TO | CSI (LC) | (LBS) | (PLF) | CSI (LC) | UNBRAC | (CSI) | FR-TO | FROM | TO | LENGTH | FR-TO | A-B 0/14 | 84.9 | -84.9 | 0.05 (1) | 10.00 | C-M -679/0 | 0.21 (1) | B-O -3244/0 | -84.9 | -84.9 | 0.13 (4) | 3.92 | M-E 0/624 | 0.19 (1) | O-C -3139/0 | -84.9 | -84.9 | 0.69 (1) | 3.33 | M-F 0/0 | 0.00 (1) | C-D -2659/0 | -84.9 | -84.9 | 0.69 (1) | 3.59 | F-K 0/623 | 0.19 (1) | D-E -2659/0 | -84.9 | -84.9 | 0.69 (1) | 3.59 | K-H -679/0 | 0.21 (1) | E-F -1964/0 | -84.9 | -84.9 | 0.09 (1) | 4.76 | N-O -36/178 | 0.00 (1) | F-G -2558/0 | -84.9 | -84.9 | 0.69 (1) | 3.59 | P-Q -33/179 | 0.00 (1) | G-H -2558/0 | -84.9 | -84.9 | 0.59 (1) | 3.59 | | | H-Q -3138/0 | -84.9 | -84.9 | 0.69 (1) | 3.33 | | | Q-I -3244/0 | -84.9 | -84.9 | 0.13 (4) | 3.82 | | | I-J 0/14 | -84.9 | -84.9 | 0.05 (1) | 10.00 | | | B-N 0/2921 | -17.5 | -17.5 | 0.53 (1) | 10.00 | | | N-M 0/2921 | -17.5 | -17.5 | 0.69 (1) | 10.00 | | | M-L 0/1963 | -17.5 | -17.5 | 0.54 (1) | 10.00 | | | L-K 0/1963 | -17.5 | -17.5 | 0.54 (1) | 10.00 | | | K-P 0/2920 | -17.5 | -17.5 | 0.69 (1) | 10.00 | | | P-I 0/2920 | -17.5 | -17.5 | 0.53 (1) | 10.00 | | |
| FACTORED | MAXIMUM FACTORED | INPUT | REQD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GROSS REACTION | GROSS REACTION | BRG | BRG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT VERT | HORZ | DOWN | UPLIFT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B 1614 | C | 1514 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I 1614 | 0 | 1514 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 5-8 | 5-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1-12 | 1-12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST LCASE | MAX /MIN | COMPONENT REACTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT COMBINED | SNOW | LIVE | PERM-LIVE | WIND | DEAD | SOIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B 1143 | 742/0 | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I 1143 | 742/0 | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHORDS | WEB S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAX. FACTORED | FACTORED | MAX. FACTORED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEMB. FORCE | VERT. LOAD LC1 | MAX. MEMB. FORCE | MAX. LENGTH FR-TO | CSI (LC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (LBS) | (PLF) | CSI (LC) | UNBRAC | (CSI) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FR-TO | FROM | TO | LENGTH | FR-TO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A-B 0/14 | 84.9 | -84.9 | 0.05 (1) | 10.00 | C-M -679/0 | 0.21 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-O -3244/0 | -84.9 | -84.9 | 0.13 (4) | 3.92 | M-E 0/624 | 0.19 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O-C -3139/0 | -84.9 | -84.9 | 0.69 (1) | 3.33 | M-F 0/0 | 0.00 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-D -2659/0 | -84.9 | -84.9 | 0.69 (1) | 3.59 | F-K 0/623 | 0.19 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D-E -2659/0 | -84.9 | -84.9 | 0.69 (1) | 3.59 | K-H -679/0 | 0.21 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-F -1964/0 | -84.9 | -84.9 | 0.09 (1) | 4.76 | N-O -36/178 | 0.00 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F-G -2558/0 | -84.9 | -84.9 | 0.69 (1) | 3.59 | P-Q -33/179 | 0.00 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G-H -2558/0 | -84.9 | -84.9 | 0.59 (1) | 3.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H-Q -3138/0 | -84.9 | -84.9 | 0.69 (1) | 3.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Q-I -3244/0 | -84.9 | -84.9 | 0.13 (4) | 3.82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I-J 0/14 | -84.9 | -84.9 | 0.05 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-N 0/2921 | -17.5 | -17.5 | 0.53 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N-M 0/2921 | -17.5 | -17.5 | 0.69 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M-L 0/1963 | -17.5 | -17.5 | 0.54 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L-K 0/1963 | -17.5 | -17.5 | 0.54 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K-P 0/2920 | -17.5 | -17.5 | 0.69 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P-I 0/2920 | -17.5 | -17.5 | 0.53 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| JOB NAME 88326 Watford Roof Truss, Watford, Ont. | TRUSS NAME A6 | QUANTITY 12 | PLY 1 | JOB DESC. 461 Plank road South | CRWG NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Version 0.210 S Mar 12 2018 MiTek Industries, Inc. Thu Sep 27 14:34:06 2018 Page 1 ID: oWxOEalrAT7TfTQ21NnK8OycnoF-GgdwpJq29PqvxnVsTXcmkVkvw]NOZHXI9gubAyZPzV 33-0-0 39-10-8 10-0-1 Scale = 1:48.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 10-6 0-0 10-3 1-1 7-0-0 7-0-0 1-0-0 15-0-3 8-0-0 23-0-0 7-0-0 33-0-0 39-10-8 10-0-1 Scale = 1:48.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10-8 0-0 10-0-0 10-0-0 20-0-0 10-0-0 30-0-0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL WEIGHT = 12 X 93 = 1116 lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LUMBER N. L. G. A. RULES CHORSES SIZE LUMBER DESC'R. A - D 2x4 DRY 1650F 1.5E SPF D - E 2x4 DRY 1650F 1.5E SPF E - F 2x4 DRY 1650F 1.5E SPF F - I 2x4 DRY 1650F 1.5E SPF B - K 2x4 DRY No.2 SPF K - H 2x4 DRY No.2 SPF | | DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS <table border="1"> <thead> <tr> <th></th> <th>FACTORED</th> <th>MAXIMUM FACTORED</th> <th>INPUT</th> <th>REGD</th> </tr> <tr> <th></th> <th>GROSS REACTION</th> <th>GROSS REACTION</th> <th>BRG</th> <th>BRG</th> </tr> </thead> <tbody> <tr> <td>JT</td> <td>VERT</td> <td>HORZ</td> <td>DOWN</td> <td>HORZ</td> </tr> <tr> <td>B</td> <td>1614</td> <td>0</td> <td>1614</td> <td>0</td> </tr> <tr> <td>H</td> <td>1614</td> <td>0</td> <td>1614</td> <td>0</td> </tr> <tr> <td></td> <td></td> <td></td> <td>5-8</td> <td>5-8</td> </tr> <tr> <td></td> <td></td> <td></td> <td>1-12</td> <td>1-12</td> </tr> </tbody> </table> | | | | | FACTORED | MAXIMUM FACTORED | INPUT | REGD | | GROSS REACTION | GROSS REACTION | BRG | BRG | JT | VERT | HORZ | DOWN | HORZ | B | 1614 | 0 | 1614 | 0 | H | 1614 | 0 | 1614 | 0 | | | | 5-8 | 5-8 | | | | 1-12 | 1-12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FACTORED | MAXIMUM FACTORED | INPUT | REGD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GROSS REACTION | GROSS REACTION | BRG | BRG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT | VERT | HORZ | DOWN | HORZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 1614 | 0 | 1614 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1614 | 0 | 1614 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 5-8 | 5-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 1-12 | 1-12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL WEB2S 2x3 DRY No.2 SPF DRY: SEASONED LUMBER. | | UNFACTORED REACTIONS <table border="1"> <thead> <tr> <th></th> <th>1ST LCASE</th> <th>MAX/MIN</th> <th>COMPONENT REACTIONS</th> </tr> <tr> <th></th> <th>JT</th> <th>COMBINED</th> <th>SNOW</th> <th>LIVE</th> <th>PERMALIVE</th> <th>WIND</th> <th>DEAD</th> <th>SOIL</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>1143</td> <td>742.0</td> <td>0/0</td> <td>0/0</td> <td>0/0</td> <td>401/0</td> <td>0/0</td> <td>0/0</td> </tr> <tr> <td>H</td> <td>1143</td> <td>742.0</td> <td>0/0</td> <td>0/0</td> <td>0/0</td> <td>401/0</td> <td>0/0</td> <td>0/0</td> </tr> </tbody> </table> | | | | | 1ST LCASE | MAX/MIN | COMPONENT REACTIONS | | JT | COMBINED | SNOW | LIVE | PERMALIVE | WIND | DEAD | SOIL | B | 1143 | 742.0 | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | 0/0 | H | 1143 | 742.0 | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1ST LCASE | MAX/MIN | COMPONENT REACTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | JT | COMBINED | SNOW | LIVE | PERMALIVE | WIND | DEAD | SOIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 1143 | 742.0 | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | 1143 | 742.0 | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, H BRACING TOP CHORD TO BE SHEATHED OR MAX. PURFLIN SPACING = 3.87 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED. LOADING TOTAL LOAD CASES: (4) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">CHORDS MEMB.</th> <th rowspan="2">MAX. FACTORED FORCE (LBS)</th> <th colspan="3">FACTORED</th> <th colspan="3">WEB S</th> </tr> <tr> <th>VERT. LOAD LC1 (PLF)</th> <th>MAX. UNBRAC CSI (LC)</th> <th>MAX. LENGTH FR-TO</th> <th>MEMB. (LBS)</th> <th>MAX. FACTORED FORCE (LBS)</th> <th>CSI (LC)</th> </tr> </thead> <tbody> <tr> <td>A-B</td> <td>0/14</td> <td>-84.9</td> <td>-84.5 0.04 (1)</td> <td>10.00</td> <td>E-J</td> <td>0/927</td> <td>0.21 (1)</td> </tr> <tr> <td>B-N</td> <td>-3312/0</td> <td>-84.9</td> <td>-81.9 0.11 (4)</td> <td>4.38</td> <td>J-G</td> <td>-777/0</td> <td>0.23 (1)</td> </tr> <tr> <td>N-C</td> <td>-3171/0</td> <td>-84.9</td> <td>-84.5 0.59 (1)</td> <td>3.87</td> <td>L-E</td> <td>0/927</td> <td>0.21 (1)</td> </tr> <tr> <td>C-D</td> <td>-2624/0</td> <td>-84.9</td> <td>-84.5 0.66 (1)</td> <td>4.03</td> <td>C-L</td> <td>-777/0</td> <td>0.25 (1)</td> </tr> <tr> <td>D-E</td> <td>-2624/0</td> <td>-84.9</td> <td>-84.5 0.66 (1)</td> <td>4.08</td> <td>M-N</td> <td>0/209</td> <td>0.00 (1)</td> </tr> <tr> <td>E-F</td> <td>-2624/0</td> <td>-84.9</td> <td>-84.5 0.66 (1)</td> <td>4.08</td> <td>O-P</td> <td>0/209</td> <td>0.00 (1)</td> </tr> <tr> <td>F-G</td> <td>-2624/0</td> <td>-84.9</td> <td>-84.5 0.66 (1)</td> <td>4.08</td> <td></td> <td></td> <td></td> </tr> <tr> <td>G-P</td> <td>-3171/0</td> <td>-84.9</td> <td>-84.5 0.66 (1)</td> <td>3.87</td> <td></td> <td></td> <td></td> </tr> <tr> <td>P-H</td> <td>-3312/0</td> <td>-84.9</td> <td>-84.5 0.11 (4)</td> <td>4.38</td> <td></td> <td></td> <td></td> </tr> <tr> <td>H-I</td> <td>0/14</td> <td>-84.9</td> <td>-84.5 0.04 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B-M</td> <td>0/2958</td> <td>-17.5</td> <td>-17.5 0.49 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>M-L</td> <td>0/2958</td> <td>-17.5</td> <td>-17.5 0.68 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>L-K</td> <td>0/1621</td> <td>-17.5</td> <td>-17.5 0.51 (4)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>K-J</td> <td>0/1621</td> <td>-17.5</td> <td>-17.5 0.51 (4)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>J-O</td> <td>0/2958</td> <td>-17.5</td> <td>-17.5 0.68 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>O-H</td> <td>0/2958</td> <td>-17.5</td> <td>-17.5 0.49 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | CHORDS MEMB. | MAX. FACTORED FORCE (LBS) | FACTORED | | | WEB S | | | VERT. LOAD LC1 (PLF) | MAX. UNBRAC CSI (LC) | MAX. LENGTH FR-TO | MEMB. (LBS) | MAX. FACTORED FORCE (LBS) | CSI (LC) | A-B | 0/14 | -84.9 | -84.5 0.04 (1) | 10.00 | E-J | 0/927 | 0.21 (1) | B-N | -3312/0 | -84.9 | -81.9 0.11 (4) | 4.38 | J-G | -777/0 | 0.23 (1) | N-C | -3171/0 | -84.9 | -84.5 0.59 (1) | 3.87 | L-E | 0/927 | 0.21 (1) | C-D | -2624/0 | -84.9 | -84.5 0.66 (1) | 4.03 | C-L | -777/0 | 0.25 (1) | D-E | -2624/0 | -84.9 | -84.5 0.66 (1) | 4.08 | M-N | 0/209 | 0.00 (1) | E-F | -2624/0 | -84.9 | -84.5 0.66 (1) | 4.08 | O-P | 0/209 | 0.00 (1) | F-G | -2624/0 | -84.9 | -84.5 0.66 (1) | 4.08 | | | | G-P | -3171/0 | -84.9 | -84.5 0.66 (1) | 3.87 | | | | P-H | -3312/0 | -84.9 | -84.5 0.11 (4) | 4.38 | | | | H-I | 0/14 | -84.9 | -84.5 0.04 (1) | 10.00 | | | | B-M | 0/2958 | -17.5 | -17.5 0.49 (1) | 10.00 | | | | M-L | 0/2958 | -17.5 | -17.5 0.68 (1) | 10.00 | | | | L-K | 0/1621 | -17.5 | -17.5 0.51 (4) | 10.00 | | | | K-J | 0/1621 | -17.5 | -17.5 0.51 (4) | 10.00 | | | | J-O | 0/2958 | -17.5 | -17.5 0.68 (1) | 10.00 | | | | O-H | 0/2958 | -17.5 | -17.5 0.49 (1) | 10.00 | | | |
| CHORDS MEMB. | MAX. FACTORED FORCE (LBS) | FACTORED | | | WEB S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | VERT. LOAD LC1 (PLF) | MAX. UNBRAC CSI (LC) | MAX. LENGTH FR-TO | MEMB. (LBS) | MAX. FACTORED FORCE (LBS) | CSI (LC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A-B | 0/14 | -84.9 | -84.5 0.04 (1) | 10.00 | E-J | 0/927 | 0.21 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-N | -3312/0 | -84.9 | -81.9 0.11 (4) | 4.38 | J-G | -777/0 | 0.23 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N-C | -3171/0 | -84.9 | -84.5 0.59 (1) | 3.87 | L-E | 0/927 | 0.21 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C-D | -2624/0 | -84.9 | -84.5 0.66 (1) | 4.03 | C-L | -777/0 | 0.25 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D-E | -2624/0 | -84.9 | -84.5 0.66 (1) | 4.08 | M-N | 0/209 | 0.00 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-F | -2624/0 | -84.9 | -84.5 0.66 (1) | 4.08 | O-P | 0/209 | 0.00 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| G-P | -3171/0 | -84.9 | -84.5 0.66 (1) | 3.87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P-H | -3312/0 | -84.9 | -84.5 0.11 (4) | 4.38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H-I | 0/14 | -84.9 | -84.5 0.04 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-M | 0/2958 | -17.5 | -17.5 0.49 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M-L | 0/2958 | -17.5 | -17.5 0.68 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L-K | 0/1621 | -17.5 | -17.5 0.51 (4) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| J-O | 0/2958 | -17.5 | -17.5 0.68 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| O-H | 0/2958 | -17.5 | -17.5 0.49 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 610 354 1667 822 2294 1656 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLATE PLACEMENT TOL. = 0.250 inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLATE ROTATION TOL. = 5.0 Deg. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JSI GRIP = 0.69 (B) (INPUT = 0.90) JSI METAL = 0.62 (H) (INPUT = 1.00) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WA18-6287 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SEP 27 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| This dwg sealed as component only | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| JOB NAME 88326 | TRUSS NAME A7 | QUANTITY 1 | PLY 1 | JOB DESC. 451 Plank road South | DRWG NO. |
| Watford Roof Truss, Watford, OnL | | | | | |
| Version 8.210 S Mar 12 2018 MTek Industries, Inc. Thu Sep 27 14:34:08 2018 Page 1 ID:oWxOEalrAT7TTQ2INhK8CychoF-33lgE?jh04cB5fEbxeqpwp_2VWaasV3qKT9?13yZPzT | | | | | |
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| <img alt="Structural drawing of a roof truss A7. | | | | | |

| JOB NAME 88326 | TRUSS NAME J1 | QUANTITY 10 | PLY 1 | JOB DESC. 461 Plank road South | DRWG NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|-----------------------------|----------|-----------------------------------|----------|----------|----------|-----------------------------|--|--|-------|--------|----------------|------|------|-----------|------|------|------|-----|-----|-------|-----|-----|-----|------|-----|---|-----|-------|-----|-----|-----|------|-----|----|----|------|-----|-----|-----|---------|-----|--------|------|------|----|--|--|-----|-----|---------------|----------|---------------|-----|-----|----|--|--|-------|-------|------------|-----|------------|-------|------|-------|-------|-------|----------|--------|-------|----------|-------|------|----|--------|-------|--|--|-----|------|-------|-------|----------|-------|-----|--------|----------|-----|--------|-------|-------|----------|------|--|--|--|-----|------|-------|-------|----------|-------|--|--|--|-----|-----|-------|-------|----------|-------|--|--|--|-----|-----|-------|-------|----------|-------|--|--|--|
| Walford Roof Truss, Walford, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Version 8.210 S Mar 12 2016 MTek Industries, Inc. Thu Sep 27 14:34:09 2018 Page 1 ID:oWxOEalrAT7TTQ2InhK8OycnoF-XFl2SLixSKCt0eER9193L7M4rtwsVbzr_ZtUYCvZPzS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Dimensions: Top chord height = 5.00 1/2, Span = 10.8, Eaves height = 6.0-0, Gable height = 6.0-0, Total width = 10.8, Total height = 6.0-0, Total depth = 6.0-0. A note in the center says: 'USE THREE 3.5° SPIRAL TOENAILS PER CONNECTION'.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>LUMBER N.L.G.A. RULES CHORDS SIZE LUMBER DESCRIPTOR A - C 2x4 DRY No 2 B - D 2x4 DRY No 2</p> <p>DRY: SEASONED LUMBER.</p> <p>PLATES (table is in inches) JT TYPE PLATES W LEN Y X B TMB14 MT20 4.0 5.0 Edge</p> <p>Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.</p> <p>UNFACTORIED REACTIONS</p> <table border="1"> <thead> <tr> <th rowspan="2">JT</th> <th rowspan="2">COMBINED</th> <th colspan="6">MAX/MIN COMPONENT REACTIONS</th> </tr> <tr> <th>SNOW</th> <th>LIVE</th> <th>PERM.LIVE</th> <th>WIND</th> <th>DEAD</th> <th>SOIL</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>155</td> <td>119/0</td> <td>C/0</td> <td>0/0</td> <td>0/0</td> <td>36/0</td> <td>0/0</td> </tr> <tr> <td>B</td> <td>272</td> <td>183/0</td> <td>C/0</td> <td>0/0</td> <td>0/0</td> <td>59/0</td> <td>0/0</td> </tr> <tr> <td>D</td> <td>63</td> <td>21/0</td> <td>C/0</td> <td>0/0</td> <td>0/0</td> <td>42/0</td> <td>0/0</td> </tr> </tbody> </table> <p>BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, D</p> <p>BRACING TOP CHORD TO BE SHEATHED OR MAX. PURFLIN SPACING = 6.25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.</p> <p>ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.</p> <p>LOADING TOTAL LOAD CASES: (4)</p> <table border="1"> <thead> <tr> <th colspan="2">CHORDS</th> <th colspan="6">WEBS</th> </tr> <tr> <th>MAX. FACTORED</th> <th>FACTORED</th> <th colspan="6">MAX. FACTORED</th> </tr> <tr> <th>MEMB.</th> <th>FORCE</th> <th>VERT. LOAD</th> <th>LC1</th> <th>MAX. MEMB.</th> <th>FORCE</th> <th>MAX.</th> </tr> <tr> <th>(LBS)</th> <th>(PLF)</th> <th>(PLF)</th> <th>CSI (LC)</th> <th>UNBRAC</th> <th>(LBS)</th> <th>CSI (LC)</th> </tr> </thead> <tbody> <tr> <td>FR-TO</td> <td>FROM</td> <td>TO</td> <td>LENGTH</td> <td>FR-TO</td> <td></td> <td></td> </tr> <tr> <td>A-B</td> <td>0/14</td> <td>-51.9</td> <td>-54.0</td> <td>0.05 (1)</td> <td>10.00</td> <td>E-F</td> <td>-392/7</td> <td>0.00 (1)</td> </tr> <tr> <td>B-F</td> <td>-24/56</td> <td>-84.9</td> <td>-84.9</td> <td>0.09 (1)</td> <td>6.25</td> <td></td> <td></td> <td></td> </tr> <tr> <td>F-C</td> <td>-4/2</td> <td>-84.3</td> <td>-84.3</td> <td>0.40 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>D-E</td> <td>0/0</td> <td>-17.5</td> <td>-17.5</td> <td>0.27 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>E-D</td> <td>0/0</td> <td>-17.5</td> <td>-17.5</td> <td>0.27 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | JT | COMBINED | MAX/MIN COMPONENT REACTIONS | | | | | | SNOW | LIVE | PERM.LIVE | WIND | DEAD | SOIL | C | 155 | 119/0 | C/0 | 0/0 | 0/0 | 36/0 | 0/0 | B | 272 | 183/0 | C/0 | 0/0 | 0/0 | 59/0 | 0/0 | D | 63 | 21/0 | C/0 | 0/0 | 0/0 | 42/0 | 0/0 | CHORDS | | WEBS | | | | | | MAX. FACTORED | FACTORED | MAX. FACTORED | | | | | | MEMB. | FORCE | VERT. LOAD | LC1 | MAX. MEMB. | FORCE | MAX. | (LBS) | (PLF) | (PLF) | CSI (LC) | UNBRAC | (LBS) | CSI (LC) | FR-TO | FROM | TO | LENGTH | FR-TO | | | A-B | 0/14 | -51.9 | -54.0 | 0.05 (1) | 10.00 | E-F | -392/7 | 0.00 (1) | B-F | -24/56 | -84.9 | -84.9 | 0.09 (1) | 6.25 | | | | F-C | -4/2 | -84.3 | -84.3 | 0.40 (1) | 10.00 | | | | D-E | 0/0 | -17.5 | -17.5 | 0.27 (1) | 10.00 | | | | E-D | 0/0 | -17.5 | -17.5 | 0.27 (1) | 10.00 | | | |
| JT | COMBINED | MAX/MIN COMPONENT REACTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SNOW | LIVE | PERM.LIVE | WIND | DEAD | SOIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 155 | 119/0 | C/0 | 0/0 | 0/0 | 36/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 272 | 183/0 | C/0 | 0/0 | 0/0 | 59/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 63 | 21/0 | C/0 | 0/0 | 0/0 | 42/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHORDS | | WEBS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MAX. FACTORED | FACTORED | MAX. FACTORED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEMB. | FORCE | VERT. LOAD | LC1 | MAX. MEMB. | FORCE | MAX. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (LBS) | (PLF) | (PLF) | CSI (LC) | UNBRAC | (LBS) | CSI (LC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FR-TO | FROM | TO | LENGTH | FR-TO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A-B | 0/14 | -51.9 | -54.0 | 0.05 (1) | 10.00 | E-F | -392/7 | 0.00 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-F | -24/56 | -84.9 | -84.9 | 0.09 (1) | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F-C | -4/2 | -84.3 | -84.3 | 0.40 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D-E | 0/0 | -17.5 | -17.5 | 0.27 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-D | 0/0 | -17.5 | -17.5 | 0.27 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER</p> <p>BEARINGS</p> <table border="1"> <thead> <tr> <th rowspan="2">JT</th> <th rowspan="2">FACTORED</th> <th colspan="3">MAXIMUM FACTORED</th> <th rowspan="2">INPUT</th> <th rowspan="2">RECORD</th> </tr> <tr> <th>GROSS REACTION</th> <th>DOWN</th> <th>HORZ</th> </tr> </thead> <tbody> <tr> <td>VERT</td> <td>BRG</td> <td>BRG</td> <td>BRG</td> <td>BRG</td> </tr> <tr> <td>C</td> <td>223</td> <td>0</td> <td>223</td> <td>0</td> <td>0</td> <td>1-8</td> </tr> <tr> <td>B</td> <td>306</td> <td>0</td> <td>396</td> <td>0</td> <td>0</td> <td>1-8</td> </tr> <tr> <td>D</td> <td>64</td> <td>0</td> <td>84</td> <td>0</td> <td>0</td> <td>1-8</td> </tr> </tbody> </table> <p>DESIGN CRITERIA</p> <p>SPECIFIED LOADS.</p> <table border="1"> <thead> <tr> <th>TOP CH.</th> <th>LL</th> <th>=</th> <th>23.3</th> <th>PSF</th> </tr> </thead> <tbody> <tr> <td>DL</td> <td></td> <td></td> <td>6.0</td> <td>PSF</td> </tr> <tr> <td>BOT CH.</td> <td>LL</td> <td>=</td> <td>0.0</td> <td>PSF</td> </tr> <tr> <td>DL</td> <td></td> <td></td> <td>7.0</td> <td>PSF</td> </tr> <tr> <td>TOTAL LOAD</td> <td></td> <td>=</td> <td>36.3</td> <td>PSF</td> </tr> </tbody> </table> <p>SPACING = 24.0 IN. C/C</p> <p>THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010</p> <p>THIS DESIGN COMPLIES WITH:</p> <ul style="list-style-type: none"> -PART 3 OF CBC 2012, BCBC 2012, ABC 2014 -CSA 085-09 -TPIC 2011 <p>(55% OF 27.2 P.S.F. G.S.I. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD</p> <p>ALLOWABLE DEFL.(LL)= U360 (0.20") CALCULATED VERT. DEFL.(LL)= U999 (0.07") ALLOWABLE DEFL.(TL)= U360 (0.20") CALCULATED VERT. DEFL.(TL)= U502 (0.14")</p> <p>CSI: TC=0.40/1.00 (C-F:1), BC=0.27/1.00 (D-E:1), WB=0.00/1.00 (E-F:1), SS=0.32/1.00 (B-E:1)</p> <p>DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10</p> <p>COMPANION LIVE LOAD FACTOR = 0.50</p> <p>TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.</p> <p>NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 613 354 1667 822 2284 1656</p> <p>PLATE PLACEMENT TOL. = 0.250 inches</p> <p>PLATE ROTATION TOL. = 5.0 Deg.</p> <p>JSI GRIP=0.13 (B) (INPUT = 0.90) JSI METAL=0.05 (B) (INPUT = 1.00)</p> <p>WA186289 SEP 27 2018</p> | | | | | | JT | FACTORED | MAXIMUM FACTORED | | | INPUT | RECORD | GROSS REACTION | DOWN | HORZ | VERT | BRG | BRG | BRG | BRG | C | 223 | 0 | 223 | 0 | 0 | 1-8 | B | 306 | 0 | 396 | 0 | 0 | 1-8 | D | 64 | 0 | 84 | 0 | 0 | 1-8 | TOP CH. | LL | = | 23.3 | PSF | DL | | | 6.0 | PSF | BOT CH. | LL | = | 0.0 | PSF | DL | | | 7.0 | PSF | TOTAL LOAD | | = | 36.3 | PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT | FACTORED | MAXIMUM FACTORED | | | INPUT | | | RECORD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | GROSS REACTION | DOWN | HORZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VERT | BRG | BRG | BRG | BRG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 223 | 0 | 223 | 0 | 0 | 1-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 306 | 0 | 396 | 0 | 0 | 1-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 64 | 0 | 84 | 0 | 0 | 1-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOP CH. | LL | = | 23.3 | PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DL | | | 6.0 | PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BOT CH. | LL | = | 0.0 | PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DL | | | 7.0 | PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL LOAD | | = | 36.3 | PSF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

This dwg sealed as component only



| JOB NAME 88326 | TRUSS NAME J1A | QUANTITY 2 | PLY 1 | JOB DESC. 461 Plank road South | DRWG NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Watford Roof Truss, Watford, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Version 3.210 S Mar 12 2018 MiTek Industries, Inc. Thu Sep 27 14:34:10 2018 Page 1 ID: oWxOEairAT7TlQ2Inhk0OycnoF-?RsQfhjZDeKKQOodimgluLulUKEpkQ57one6lxyZPzR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10-8 | | 10-8 | 0-0 | 3-10-15 | 3-10-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 2-1-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 5-0-0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scale = 1:12.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <p>LUMBER N. L. G. A. RULES CHORDS SIZE LUMBER DESCRIPT A - C 2x4 DRY No.2 B - D 2x4 DRY No.2</p> <p>DRY: SEASONED LUMBER.</p> <p>PLATES (table is in inches) JT TYPE PLATES W LEN Y X B TMB1-4 MT20 4.0 5.0 Edge</p> <p>Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS</p> <table border="1"> <thead> <tr> <th rowspan="2">JT</th> <th colspan="2">FACTORING</th> <th colspan="2">MAXIMUM FACTORED</th> <th rowspan="2">INPUT</th> <th rowspan="2">REORD</th> </tr> <tr> <th>GROSS REACTION</th> <th>GROSS REACTION</th> <th>DOWN</th> <th>HORZ</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>160</td> <td>0</td> <td>160</td> <td>0</td> <td>1-8</td> <td>1-8</td> </tr> <tr> <td>B</td> <td>300</td> <td>0</td> <td>300</td> <td>0</td> <td>5-8</td> <td>1-8</td> </tr> <tr> <td>D</td> <td>57</td> <td>0</td> <td>57</td> <td>0</td> <td>1-8</td> <td>1-8</td> </tr> </tbody> </table> <p>UNFACTORING REACTIONS</p> <table border="1"> <thead> <tr> <th rowspan="2">JT</th> <th rowspan="2">COMBINED</th> <th colspan="2">1ST LCASE</th> <th colspan="2">MAX/MIN. COMPONENT REACTIONS</th> </tr> <tr> <th>SNOW</th> <th>LIVE</th> <th>PERM.LIVE</th> <th>WIND</th> <th>DEAD</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>112</td> <td>80/0</td> <td>C/0</td> <td>0/0</td> <td>32/0</td> <td>0/0</td> </tr> <tr> <td>B</td> <td>212</td> <td>135/0</td> <td>C/0</td> <td>0/0</td> <td>74/0</td> <td>0/0</td> </tr> <tr> <td>D</td> <td>44</td> <td>7/0</td> <td>C/0</td> <td>0/0</td> <td>36/0</td> <td>0/0</td> </tr> </tbody> </table> <p>BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C, B</p> <p>BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.</p> <p>ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.</p> <p>LOADING TOTAL LOAD CASES: (4)</p> <table border="1"> <thead> <tr> <th rowspan="2">CHORDS</th> <th colspan="6">WEBS</th> </tr> <tr> <th>MAX. FACTORED</th> <th>FACTORING</th> <th>MEMB. FORCE (LBS)</th> <th>VERT. LOAD LC1 (PLF)</th> <th>MAX. CSI (LC)</th> <th>MAX. UNBRAC (LBS)</th> <th>MAX. FACTORED</th> <th>MEMB. FORCE (LBS)</th> <th>MAX. CSI (LC)</th> </tr> </thead> <tbody> <tr> <td>A-F</td> <td>0/14</td> <td>-64.9</td> <td>-84.9</td> <td>0.05 (1)</td> <td>10.00</td> <td>E-F</td> <td>-51/97</td> <td>0.06 (1)</td> </tr> <tr> <td>B-F</td> <td>-51/0</td> <td>-64.9</td> <td>-84.9</td> <td>0.03 (4)</td> <td>6.25</td> <td></td> <td></td> <td></td> </tr> <tr> <td>F-C</td> <td>0/16</td> <td>-64.9</td> <td>-84.9</td> <td>0.21 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B-E</td> <td>0/0</td> <td>-17.5</td> <td>-17.5</td> <td>0.06 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>E-D</td> <td>0/0</td> <td>-17.5</td> <td>-17.5</td> <td>0.14 (4)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | JT | FACTORING | | MAXIMUM FACTORED | | INPUT | REORD | GROSS REACTION | GROSS REACTION | DOWN | HORZ | C | 160 | 0 | 160 | 0 | 1-8 | 1-8 | B | 300 | 0 | 300 | 0 | 5-8 | 1-8 | D | 57 | 0 | 57 | 0 | 1-8 | 1-8 | JT | COMBINED | 1ST LCASE | | MAX/MIN. COMPONENT REACTIONS | | SNOW | LIVE | PERM.LIVE | WIND | DEAD | C | 112 | 80/0 | C/0 | 0/0 | 32/0 | 0/0 | B | 212 | 135/0 | C/0 | 0/0 | 74/0 | 0/0 | D | 44 | 7/0 | C/0 | 0/0 | 36/0 | 0/0 | CHORDS | WEBS | | | | | | MAX. FACTORED | FACTORING | MEMB. FORCE (LBS) | VERT. LOAD LC1 (PLF) | MAX. CSI (LC) | MAX. UNBRAC (LBS) | MAX. FACTORED | MEMB. FORCE (LBS) | MAX. CSI (LC) | A-F | 0/14 | -64.9 | -84.9 | 0.05 (1) | 10.00 | E-F | -51/97 | 0.06 (1) | B-F | -51/0 | -64.9 | -84.9 | 0.03 (4) | 6.25 | | | | F-C | 0/16 | -64.9 | -84.9 | 0.21 (1) | 10.00 | | | | B-E | 0/0 | -17.5 | -17.5 | 0.06 (1) | 10.00 | | | | E-D | 0/0 | -17.5 | -17.5 | 0.14 (4) | 10.00 | | | |
| JT | FACTORING | | MAXIMUM FACTORED | | INPUT | | REORD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GROSS REACTION | GROSS REACTION | DOWN | HORZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 160 | 0 | 160 | 0 | 1-8 | 1-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 300 | 0 | 300 | 0 | 5-8 | 1-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 57 | 0 | 57 | 0 | 1-8 | 1-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT | COMBINED | 1ST LCASE | | MAX/MIN. COMPONENT REACTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | SNOW | LIVE | PERM.LIVE | WIND | DEAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 112 | 80/0 | C/0 | 0/0 | 32/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 212 | 135/0 | C/0 | 0/0 | 74/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 44 | 7/0 | C/0 | 0/0 | 36/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHORDS | WEBS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MAX. FACTORED | FACTORING | MEMB. FORCE (LBS) | VERT. LOAD LC1 (PLF) | MAX. CSI (LC) | MAX. UNBRAC (LBS) | MAX. FACTORED | MEMB. FORCE (LBS) | MAX. CSI (LC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A-F | 0/14 | -64.9 | -84.9 | 0.05 (1) | 10.00 | E-F | -51/97 | 0.06 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-F | -51/0 | -64.9 | -84.9 | 0.03 (4) | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F-C | 0/16 | -64.9 | -84.9 | 0.21 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-E | 0/0 | -17.5 | -17.5 | 0.06 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-D | 0/0 | -17.5 | -17.5 | 0.14 (4) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DESIGN CRITERIA</p> <p>SPECIFIED LOADS: TOP CH. LL = 23.3 PSF DL = 6.0 PSF BOT CH. LL = 0.0 PSF DL = 7.0 PSF TOTAL LOAD = 36.3 PSF</p> <p>SPACING = 24.0 IN. C/C</p> <p>THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2010</p> <p>THIS DESIGN COMPLIES WITH: - PART 9 OF OBC 2012, BCBC 2012, ABC 2014 - CSA 086-09 - TPIC 2011</p> <p>(55 % OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD</p> <p>ALLOWABLE DEFL.(LL) = L/360 (0.20") CALCULATED VERT. DEFL.(LL) = L/199 (0.02") ALLOWABLE DEFL.(TL) = L/360 (0.20") CALCULATED VERT. DEFL.(TL) = L/995 (0.07")</p> <p>CSI: TC=0.21/1.00 (C-F-1), EC=0.14/1.00 (D-E-4), WB=0.00/1.00 (E-F-1), SS=0.13/1.00 (B-F-4)</p> <p>DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10</p> <p>COMPANION LIVE LOAD FACTOR = 0.50</p> <p>TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.</p> <p>NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 610 354 1667 822 2284 1656</p> <p>PLATE PLACEMENT TOL. = 0.250 inches</p> <p>PLATE ROTATION TOL. = 5.0 Deg.</p> <p>JSI GRIP = 0.09 (B) (INPUT = 0.90) JSI METAL = 0.03 (B) (INPUT = 1.00)</p> <p>WA18/6290 SEP 27 2018</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>This dwg sealed as component only</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|---|-------------------|----------------------|--|--------------------------|----------------------|---|---------------|----------|---------------|-------|--------|----------------|------------|-------|-------|-------|---|-------|---------|------------|----------|---------------------|-------------|----------------------|-----------|-----------|---|----------------------|------|----------|---------|----------------------|--------|----------------|----------|----------------------|-------|------|--------|----------------------|-------|--------|-------|----------------------|--------|--------|-------|----------------------|--------|--|---|---|-------|---|-----|---|-----|---|----|---|-----|---|--|
| JOB NAME 88326 | TRUSS NAME J1B | QUANTITY 2 | PLY 1 | JOB DESC. TRUSS DESC. | 461 Plank road South | DRWG NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Watford Roof Truss, Watford, Ont. | | | | | | Version 8.21G 5 Mar 12 2018 M-Tek Industries, Inc. Thu Sep 27 14:34:10 2018 Page 1 ID: bWxOEarAT7TTQ2InhK8OycnG-?RsQthjZDeKKQOadMgluLuJpKEFQ57cne6kcyZP2F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -10-8 | 10-8 | 8-0 | 1-10-15 | 1-10-15 | 4-1-1 | 6-0-0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Scale 1:12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 6-0-0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 6-0-0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | TOTAL WEIGHT = 2 X 10 = 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LUMBER <table border="1"> <tr> <td colspan="2">N. L. G. A. RULES</td> <td colspan="2">LUMBER</td> <td colspan="2">DESCR.</td> </tr> <tr> <td>CHORDS</td> <td>SIZE</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td>SPF</td> </tr> <tr> <td>A - C</td> <td>2x4</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td>SPF</td> </tr> <tr> <td>B - D</td> <td>2x4</td> <td>DRY</td> <td></td> <td></td> <td></td> </tr> </table> <p>DRY: SEASONED LUMBER.</p> | | | N. L. G. A. RULES | | LUMBER | | DESCR. | | CHORDS | SIZE | DRY | No.2 | SPF | SPF | A - C | 2x4 | DRY | No.2 | SPF | SPF | B - D | 2x4 | DRY | | | | DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS <table border="1"> <tr> <td>FACTORED</td> <td>MAXIMUM</td> <td>INPUT</td> <td>RECORD</td> </tr> <tr> <td>GROSS REACTION</td> <td>FACTORED</td> <td>BRG</td> <td>BRG</td> </tr> <tr> <td>VERT</td> <td>HORZ</td> <td>DOWN</td> <td>HORZ</td> </tr> <tr> <td>JT</td> <td></td> <td>0</td> <td>UPLIFT</td> </tr> <tr> <td>C</td> <td>152</td> <td>0</td> <td>IN-SX</td> </tr> <tr> <td>C</td> <td>152</td> <td>0</td> <td>IN-SX</td> </tr> <tr> <td>B</td> <td>196</td> <td>0</td> <td>1-8</td> </tr> <tr> <td>D</td> <td>84</td> <td>0</td> <td>1-8</td> </tr> </table> | | | FACTORED | MAXIMUM | INPUT | RECORD | GROSS REACTION | FACTORED | BRG | BRG | VERT | HORZ | DOWN | HORZ | JT | | 0 | UPLIFT | C | 152 | 0 | IN-SX | C | 152 | 0 | IN-SX | B | 196 | 0 | 1-8 | D | 84 | 0 | 1-8 | DESIGN CRITERIA SPECIFIED LOADS: TOP CH. LL = 23.3 PSF DL = 6.0 PSF BOT CH. LL = 0.0 PSF DL = 7.0 PSF TOTAL LOAD = 36.3 PSF SPACING = 24.0 IN/C | |
| N. L. G. A. RULES | | LUMBER | | DESCR. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHORDS | SIZE | DRY | No.2 | SPF | SPF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A - C | 2x4 | DRY | No.2 | SPF | SPF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B - D | 2x4 | DRY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FACTORED | MAXIMUM | INPUT | RECORD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GROSS REACTION | FACTORED | BRG | BRG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| VERT | HORZ | DOWN | HORZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT | | 0 | UPLIFT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 152 | 0 | IN-SX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 152 | 0 | IN-SX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 196 | 0 | 1-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 84 | 0 | 1-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLATES (Table is in inches) <table border="1"> <tr> <td>JT</td> <td>TYPE</td> <td>PLATES</td> <td>W</td> <td>LEN</td> <td>Y</td> <td>X</td> </tr> <tr> <td>B</td> <td>1MB1-I</td> <td>MT20</td> <td>4.0</td> <td>5.0</td> <td>Edge</td> <td></td> </tr> </table> <p>Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.</p> | | | JT | TYPE | PLATES | W | LEN | Y | X | B | 1MB1-I | MT20 | 4.0 | 5.0 | Edge | | UNFACTORIED REACTIONS <table border="1"> <tr> <td>1ST L CASE</td> <td>MAX /MIN</td> <td>COMPONENT REACTIONS</td> </tr> <tr> <td>JT COMBINED</td> <td>SNOW</td> <td>LIVE</td> <td>PENL/LIVE</td> <td>WIND</td> <td>DEAD</td> <td>SOIL</td> </tr> <tr> <td>C</td> <td>109</td> <td>64 / 0</td> <td>0 / 0</td> <td>0 / 0</td> <td>46 / 0</td> <td>0 / 0</td> </tr> <tr> <td>B</td> <td>138</td> <td>94 / 0</td> <td>0 / 0</td> <td>0 / 0</td> <td>44 / 0</td> <td>0 / 0</td> </tr> <tr> <td>D</td> <td>62</td> <td>25 / 0</td> <td>0 / 0</td> <td>0 / 0</td> <td>37 / 0</td> <td>0 / 0</td> </tr> </table> | | | 1ST L CASE | MAX /MIN | COMPONENT REACTIONS | JT COMBINED | SNOW | LIVE | PENL/LIVE | WIND | DEAD | SOIL | C | 109 | 64 / 0 | 0 / 0 | 0 / 0 | 46 / 0 | 0 / 0 | B | 138 | 94 / 0 | 0 / 0 | 0 / 0 | 44 / 0 | 0 / 0 | D | 62 | 25 / 0 | 0 / 0 | 0 / 0 | 37 / 0 | 0 / 0 | THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NSCC 2010 | | | | | | | | | | | | |
| JT | TYPE | PLATES | W | LEN | Y | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 1MB1-I | MT20 | 4.0 | 5.0 | Edge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1ST L CASE | MAX /MIN | COMPONENT REACTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT COMBINED | SNOW | LIVE | PENL/LIVE | WIND | DEAD | SOIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 109 | 64 / 0 | 0 / 0 | 0 / 0 | 46 / 0 | 0 / 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 138 | 94 / 0 | 0 / 0 | 0 / 0 | 44 / 0 | 0 / 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 62 | 25 / 0 | 0 / 0 | 0 / 0 | 37 / 0 | 0 / 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HANGERS NOTES 1) SPECIAL HANGER(S) OR CONNECTION(S) REQUIRED TO SUPPORT CONCENTRATED LOAD(S) 12.6 lbs FACTORED DOWN AT 2-0-12, AND 73.2 lbs FACTORED DOWN AT 4-0-12 ON BOTTOM CHORD. DESIGN FOR UNSPECIFIED CONNECTION(S) IS DELEGATED TO THE BUILDING DESIGNER. | | | BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) C, B | | | THIS DESIGN COMPLIES WITH: - PART 9 OF OBC 2012, BCBC 2012, ABC 2014 - CSA 005-09 - TPIC 2011 (55 % OF 27.2 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIL LOAD) EQUALS 23.3 P.S.F. SPECIFIED ROOF LIVE LOAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRACING TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED. | | | ALLOWABLE DEFL.(LL)= L/360 (0.20") CALCULATED VERT. DEFL.(LL)= L/ 999 (0.03") ALLOWABLE DEFL.(TL)= L/360 (0.20") CALCULATED VERT. DEFL.(TL)= L/ 999 (0.03") | | | CSI: TC=0.18/1.00 (C-F-1), 8C=0.18/1.00 (D-E-1), WB=0.09/1.00 (E-F-1), SS=0.21/1.00 (F-1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10 CCOMPANION LIVE LOAD FACTOR = 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOADING TOTAL LOAD CASES: (4) | | | W E B S <table border="1"> <tr> <td>CHORDS</td> <td>MAX. FACTORED</td> <td>FACTORED</td> <td>MAX. FACTORED</td> </tr> <tr> <td>MEMB.</td> <td>FORCE</td> <td>VERT. LOAD LC1</td> <td>MAX. MEMB.</td> </tr> <tr> <td>MEMB.</td> <td>(LBS)</td> <td>(PLF)</td> <td>FORCE (LBS)</td> </tr> <tr> <td>FR-TC</td> <td>FROM TO</td> <td>LC1 (L/C)</td> <td>CSI (LC)</td> </tr> <tr> <td>A-B</td> <td>0 / 14</td> <td>-84.9 -84.9 0.05 (1)</td> <td>10.00 E-F</td> </tr> <tr> <td>B-F</td> <td>-123 / 0</td> <td>-84.9 -84.9 0.14 (1)</td> <td>6.25</td> </tr> <tr> <td>F-C</td> <td>0 / 35</td> <td>-84.9 -84.9 0.16 (1)</td> <td>10.00</td> </tr> <tr> <td>B-E</td> <td>0 / 0</td> <td>-17.5 -17.5 0.12 (1)</td> <td>10.00</td> </tr> <tr> <td>E-G</td> <td>0 / 0</td> <td>-17.5 -17.5 0.18 (1)</td> <td>10.00</td> </tr> <tr> <td>G-H</td> <td>0 / 0</td> <td>-17.5 -17.5 0.18 (1)</td> <td>10.00</td> </tr> <tr> <td>H-D</td> <td>0 / 0</td> <td>-17.5 -17.5 0.19 (1)</td> <td>10.00</td> </tr> </table> | | | CHORDS | MAX. FACTORED | FACTORED | MAX. FACTORED | MEMB. | FORCE | VERT. LOAD LC1 | MAX. MEMB. | MEMB. | (LBS) | (PLF) | FORCE (LBS) | FR-TC | FROM TO | LC1 (L/C) | CSI (LC) | A-B | 0 / 14 | -84.9 -84.9 0.05 (1) | 10.00 E-F | B-F | -123 / 0 | -84.9 -84.9 0.14 (1) | 6.25 | F-C | 0 / 35 | -84.9 -84.9 0.16 (1) | 10.00 | B-E | 0 / 0 | -17.5 -17.5 0.12 (1) | 10.00 | E-G | 0 / 0 | -17.5 -17.5 0.18 (1) | 10.00 | G-H | 0 / 0 | -17.5 -17.5 0.18 (1) | 10.00 | H-D | 0 / 0 | -17.5 -17.5 0.19 (1) | 10.00 | TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) MAX MIN MAX MIN MAX MIN MT20 610 354 1667 822 2284 1656 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.05 (B) (INPUT = 0.80) JSI METAL= 0.02 (B) (INPUT = 1.00) | | | | | | | | | | | | | |
| CHORDS | MAX. FACTORED | FACTORED | MAX. FACTORED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEMB. | FORCE | VERT. LOAD LC1 | MAX. MEMB. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEMB. | (LBS) | (PLF) | FORCE (LBS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FR-TC | FROM TO | LC1 (L/C) | CSI (LC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A-B | 0 / 14 | -84.9 -84.9 0.05 (1) | 10.00 E-F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-F | -123 / 0 | -84.9 -84.9 0.14 (1) | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F-C | 0 / 35 | -84.9 -84.9 0.16 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-E | 0 / 0 | -17.5 -17.5 0.12 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-G | 0 / 0 | -17.5 -17.5 0.18 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G-H | 0 / 0 | -17.5 -17.5 0.18 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H-D | 0 / 0 | -17.5 -17.5 0.19 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | WA18-6291 SEP 27 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | This dwg sealed as component only | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

This dwg sealed as component only

| JOB NAME | | TRUSS NAME | QUANTITY | PLY | JOB DESC. 461 Plank road South | | DRWG NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 88326 | | J2 | 2 | 1 | TRUSS DESC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Watford Roof Truss, Watford, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Version 8.210 S Mar 12 2018 Matick Industries, Inc. Thu Sep 27 14:34:11 2018 Page 1 ID: oWxOEalrAT7TfTQ2InhK8OychnoF-TeQps1kBzXTB2YnpG4CXRYRUNka3LI10RNIGOyZPzQ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scale = 1:12.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| TOTAL WEIGHT = 2 X 8 = 17 lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LUMBER N.L.G.A. RULES CHORDS SIZE LUMBER DESC. SPF A - C 2x4 DRY No.2 B - D 2x4 DRY No.2 DRY: SEASONED LUMBER. | | | | DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER BEARINGS <table border="1"> <thead> <tr> <th rowspan="2">JT</th> <th colspan="2">FACTORING</th> <th colspan="2">MAXIMUM</th> <th rowspan="2">INPUT</th> <th rowspan="2">REQD</th> </tr> <tr> <th>GROSS REACTION</th> <th>GROSS REACTION</th> <th>DOWN</th> <th>HORZ</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>129</td> <td>0</td> <td>129</td> <td>0</td> <td>0</td> <td>1-8</td> </tr> <tr> <td>B</td> <td>227</td> <td>0</td> <td>227</td> <td>0</td> <td>0</td> <td>5-8</td> </tr> <tr> <td>D</td> <td>91</td> <td>0</td> <td>91</td> <td>0</td> <td>0</td> <td>1-8</td> </tr> </tbody> </table> PLATES (Table is in inches) <table border="1"> <thead> <tr> <th>JT</th> <th>TYPE</th> <th>PLATES</th> <th>W</th> <th>LEN</th> <th>Y</th> <th>X</th> </tr> </thead> <tbody> <tr> <td>B</td> <td>TMB1-1</td> <td>MT20</td> <td>4.0</td> <td>5.0</td> <td>Edge</td> <td></td> </tr> </tbody> </table> <p>Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.</p> | | | | JT | FACTORING | | MAXIMUM | | INPUT | REQD | GROSS REACTION | GROSS REACTION | DOWN | HORZ | C | 129 | 0 | 129 | 0 | 0 | 1-8 | B | 227 | 0 | 227 | 0 | 0 | 5-8 | D | 91 | 0 | 91 | 0 | 0 | 1-8 | JT | TYPE | PLATES | W | LEN | Y | X | B | TMB1-1 | MT20 | 4.0 | 5.0 | Edge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT | FACTORING | | MAXIMUM | | INPUT | REQD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GROSS REACTION | GROSS REACTION | DOWN | HORZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 129 | 0 | 129 | 0 | 0 | 1-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 227 | 0 | 227 | 0 | 0 | 5-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 91 | 0 | 91 | 0 | 0 | 1-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT | TYPE | PLATES | W | LEN | Y | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | TMB1-1 | MT20 | 4.0 | 5.0 | Edge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | DESIGN CRITERIA SPECIFIED LOADS: TOP CH. LL = 23.3 PSF DL = 6.0 PSF BOT CH. LL = 0.0 PSF DL = 7.0 PSF TOTAL LOAD = 36.3 PSF SPACING = 24.0 IN. C/C THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBC2010 THIS DESIGN COMPLIES WITH: - PART 9 OF OBC 2012, BCBC 2012, ABC 2014 - CSA 086-09 - TPIC 2011 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | UNFACTORING REACTIONS <table border="1"> <thead> <tr> <th>JT</th> <th>1ST LOAD CASE</th> <th>MAX. / MIN. COMBINED</th> <th>COMPONENT REACTIONS</th> </tr> </thead> <tbody> <tr> <td>C</td> <td>69</td> <td>70 / 0</td> <td>0 / 0</td> </tr> <tr> <td>B</td> <td>158</td> <td>114 / 0</td> <td>0 / 0</td> </tr> <tr> <td>D</td> <td>64</td> <td>41 / 0</td> <td>0 / 0</td> </tr> </tbody> </table> BEARING MATERIAL TO BE SPF NO 2 OR BETTER AT JOINT(S) B, D BRACING TOP CHORD TO BE SHEATHED OR MAX. PURFLIN SPACING = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED. LOADING TOTAL LOAD CASES: (4) <table border="1"> <thead> <tr> <th>CHORDS</th> <th>MAX. FACTORED</th> <th>FACTORING</th> <th>WEBS</th> </tr> <tr> <th>MEMB.</th> <th>FORCE</th> <th>VERT. LOAD LC1</th> <th>MAX. MEMB.</th> <th>MAX. FACTORED</th> </tr> <tr> <th>(LBS)</th> <th>(PLF)</th> <th>(CSI (LC)</th> <th>UNBRAC</th> <th>(LBS)</th> <th>CSI (LC)</th> </tr> </thead> <tbody> <tr> <td>FR-TO</td> <td>FROM</td> <td>TO</td> <td>LENGTH</td> <td>FR-TO</td> <td></td> </tr> <tr> <td>A-B</td> <td>0 / 14</td> <td>-84.9</td> <td>-84.9</td> <td>0.05 (1)</td> <td>10.00</td> <td>E-F</td> <td>-307 / 0</td> <td>0.00 (1)</td> </tr> <tr> <td>B-F</td> <td>0 / 55</td> <td>-84.9</td> <td>-84.9</td> <td>0.09 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>F-C</td> <td>7 / 0</td> <td>-84.9</td> <td>-84.9</td> <td>0.13 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B-E</td> <td>0 / 0</td> <td>-17.5</td> <td>-17.5</td> <td>0.16 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> <tr> <td>E-D</td> <td>0 / 0</td> <td>-17.5</td> <td>-17.5</td> <td>0.16 (1)</td> <td>10.00</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> ALLOWABLE DEFL.(LL) = L360 (0.19") CALCULATED VERT. DEFL.(LL) = L959 (0.00") ALLOWABLE DEFL.(TL) = L360 (0.19") CALCULATED VERT. DEFL.(TL) = L959 (0.01") CS: TC=0.13/1.00 (C-F-1), BC=0.16/1.00 (B-E-1), WB=0.00/1.00 (E-F-1), SS=0.20/1.00 (B-E-1) DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS=1.10 COMPANION LIVE LOAD FACTOR = 0.50 TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT. | | | | JT | 1ST LOAD CASE | MAX. / MIN. COMBINED | COMPONENT REACTIONS | C | 69 | 70 / 0 | 0 / 0 | B | 158 | 114 / 0 | 0 / 0 | D | 64 | 41 / 0 | 0 / 0 | CHORDS | MAX. FACTORED | FACTORING | WEBS | MEMB. | FORCE | VERT. LOAD LC1 | MAX. MEMB. | MAX. FACTORED | (LBS) | (PLF) | (CSI (LC) | UNBRAC | (LBS) | CSI (LC) | FR-TO | FROM | TO | LENGTH | FR-TO | | A-B | 0 / 14 | -84.9 | -84.9 | 0.05 (1) | 10.00 | E-F | -307 / 0 | 0.00 (1) | B-F | 0 / 55 | -84.9 | -84.9 | 0.09 (1) | 10.00 | | | | F-C | 7 / 0 | -84.9 | -84.9 | 0.13 (1) | 10.00 | | | | B-E | 0 / 0 | -17.5 | -17.5 | 0.16 (1) | 10.00 | | | | E-D | 0 / 0 | -17.5 | -17.5 | 0.16 (1) | 10.00 | | | |
| JT | 1ST LOAD CASE | MAX. / MIN. COMBINED | COMPONENT REACTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 69 | 70 / 0 | 0 / 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 158 | 114 / 0 | 0 / 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 64 | 41 / 0 | 0 / 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHORDS | MAX. FACTORED | FACTORING | WEBS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEMB. | FORCE | VERT. LOAD LC1 | MAX. MEMB. | MAX. FACTORED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (LBS) | (PLF) | (CSI (LC) | UNBRAC | (LBS) | CSI (LC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FR-TO | FROM | TO | LENGTH | FR-TO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A-B | 0 / 14 | -84.9 | -84.9 | 0.05 (1) | 10.00 | E-F | -307 / 0 | 0.00 (1) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-F | 0 / 55 | -84.9 | -84.9 | 0.09 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F-C | 7 / 0 | -84.9 | -84.9 | 0.13 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-E | 0 / 0 | -17.5 | -17.5 | 0.16 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-D | 0 / 0 | -17.5 | -17.5 | 0.16 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | NAIL VALUES PLATE GRIP(DRY) SHEAR SECTION (PSI) (PLI) (PLI) MAX MIN MAX MIN MAX MIN MT20 510 354 1667 822 2284 1656 PLATE PLACEMENT TOL. = 0.250 inches PLATE ROTATION TOL. = 5.0 Deg. JSI GRIP= 0.08 (B) (INPUT = 0.90) JSI METAL= 0.03 (B) (INPUT = 1.00) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | WA 18-6292 SEP 27 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| This dwg sealed as component only | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| JOB NAME 88326 | TRUSS NAME J2A | QUANTITY 2 | PLY 1 | JOB DESC 461 Plank road South | DRWG NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Walford Roof Truss, Walford, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Version 8 210 S Mar 12 2018 Mitek Industries, Inc. Thu Sep 27 14:34:12 2018 Page 1 ID:oWxOEairAT7TTQ2InNk8OycnF-xq_BtMpkFB2giy?qnjmzm_hN7yxcKbQF57CodyZPzP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Scale # 1:64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| JT | FACTORED | | MAXIMUM FACTORED | | INPUT | | RECORD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| VERT | HORZ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 69 | 0 | 69 | 0 | 0 | 1-6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 176 | 0 | 178 | 0 | 0 | 5-8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 29 | 0 | 29 | 0 | 0 | 1-6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRY: SEASONED LUMBER. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL WEIGHT = 2 X 6 = 12 lb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| JT | TYPE | PLATES | W | LEN | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | TMB14 | MT20 | 4.0 | 50 | Edge | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UNFACTORED REACTIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | COMBINED | SNOW | LIVE | PERM/LIVE | WIND | DEAD | SOIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | 48 | 36/0 | 0/0 | 0/0 | 0/0 | 12/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | 125 | 88/0 | 0/0 | 0/0 | 0/0 | 37/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | 22 | 8/0 | 0/0 | 0/0 | 0/0 | 13/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BEARING MATERIAL TO BE SPF NO 2 OR BETTER AT JOINT(S) C, B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BRACING TOP CHORD TO BE SHEATHED OR WAX, PURFLIN SPACING = 6.25 FT. MAX UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LOADING TOTAL LOAD CASES: (5) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th rowspan="2">CHORDS MEMB.</th> <th colspan="2">MAX. FACTORED</th> <th colspan="2">FACTORED</th> <th colspan="2">W E B S</th> </tr> <tr> <th>FORCE</th> <th>VERT.</th> <th>LOAD</th> <th>LC1</th> <th>MAX</th> <th>MEMB.</th> </tr> </thead> <tbody> <tr> <td></td> <td>(LBS)</td> <td>(PLF)</td> <td>(CSI)</td> <td>(LC)</td> <td>MEMB.</td> <td>(LBS)</td> </tr> <tr> <td>FR-TO</td> <td>FROM</td> <td>TO</td> <td></td> <td></td> <td>LENGTH</td> <td>FR-TO</td> </tr> <tr> <td>A-B</td> <td>0/14</td> <td>-84.9</td> <td>-84.9</td> <td>0.05 (1)</td> <td>10.00</td> <td>E-F</td> </tr> <tr> <td>B-F</td> <td>-10/0</td> <td>-84.9</td> <td>-84.9</td> <td>0.02 (1)</td> <td>6.25</td> <td></td> </tr> <tr> <td>F-C</td> <td>0/3</td> <td>-84.9</td> <td>-84.9</td> <td>0.04 (1)</td> <td>10.00</td> <td></td> </tr> <tr> <td>B-E</td> <td>0/0</td> <td></td> <td>-17.5</td> <td>-17.5</td> <td>0.03 (1)</td> <td>10.00</td> </tr> <tr> <td>E-D</td> <td>0/0</td> <td></td> <td>-17.5</td> <td>-17.5</td> <td>0.03 (1)</td> <td>10.00</td> </tr> </tbody> </table> | | | | | | CHORDS MEMB. | MAX. FACTORED | | FACTORED | | W E B S | | FORCE | VERT. | LOAD | LC1 | MAX | MEMB. | | (LBS) | (PLF) | (CSI) | (LC) | MEMB. | (LBS) | FR-TO | FROM | TO | | | LENGTH | FR-TO | A-B | 0/14 | -84.9 | -84.9 | 0.05 (1) | 10.00 | E-F | B-F | -10/0 | -84.9 | -84.9 | 0.02 (1) | 6.25 | | F-C | 0/3 | -84.9 | -84.9 | 0.04 (1) | 10.00 | | B-E | 0/0 | | -17.5 | -17.5 | 0.03 (1) | 10.00 | E-D | 0/0 | | -17.5 | -17.5 | 0.03 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHORDS MEMB. | MAX. FACTORED | | FACTORED | | W E B S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | (LBS) | (PLF) | (CSI) | (LC) | MEMB. | (LBS) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FR-TO | FROM | TO | | | LENGTH | FR-TO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A-B | 0/14 | -84.9 | -84.9 | 0.05 (1) | 10.00 | E-F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-F | -10/0 | -84.9 | -84.9 | 0.02 (1) | 6.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F-C | 0/3 | -84.9 | -84.9 | 0.04 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B-E | 0/0 | | -17.5 | -17.5 | 0.03 (1) | 10.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| WA18-6293 SEP 27 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| This dwg sealed as component only | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| JOB NAME | | TRUSS NAME | | QUANTITY | PLY | JOB DESC | | 461 Plank road South | | DRAWG NO. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Wainford Roof Truss, Wainford, Ont. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Version 8.210 S Mar 12 2018 RTek Industries, Inc. Thu Sep 27 14:34:03 2018 Page 1 ID:cWxOEalrAT77ITQ2INnK8CynoF15xnBHeAsUSKtJmHcO2f6s6ycV7tBCo5BBRE_lzPzY 30-0-0-0-0-1-0-0 Scale = 1:50.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <table border="1"> <tr> <td colspan="2">LUMBER</td> <td colspan="8">DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER</td> <td colspan="2">TOTAL WEIGHT = 92 lb/1Mf</td> </tr> <tr> <td colspan="2">N. L. G. A. RULES</td> <td colspan="8">BEARINGS</td> <td colspan="2"></td> </tr> <tr> <td>CHORDS</td> <td>SIZE</td> <td>LUMBER</td> <td>DESCR</td> <td>SPF</td> <td>FACTOR</td> <td>MAXIMUM</td> <td>FACTOR</td> <td>INPUT</td> <td>REQRD</td> <td colspan="2"></td> </tr> <tr> <td>A - C</td> <td>2x4</td> <td>DRY</td> <td>2100F 1.8E</td> <td>SPF</td> <td>GROSS REACTION</td> <td>GROSS REACTION</td> <td>BRG</td> <td>BRG</td> <td></td> <td colspan="2"></td> </tr> <tr> <td>C - E</td> <td>2x4</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td>VERT</td> <td>HORZ</td> <td>DOWN</td> <td>HORZ</td> <td>IN-SX</td> <td colspan="2"></td> </tr> <tr> <td>E - G</td> <td>2x4</td> <td>DRY</td> <td>2100F 1.8E</td> <td>SPF</td> <td>J-T</td> <td></td> <td>UPLIFT</td> <td></td> <td>IN-SX</td> <td colspan="2"></td> </tr> <tr> <td>B - I</td> <td>2x4</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td>B</td> <td>1614</td> <td>0</td> <td>0</td> <td>S-8</td> <td>1-12</td> <td></td> </tr> <tr> <td>I - F</td> <td>2x4</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td>F</td> <td>1614</td> <td>0</td> <td>0</td> <td>S-8</td> <td>1-12</td> <td></td> </tr> <tr> <td colspan="2">ALI. WEBS</td> <td>2x3</td> <td>DRY</td> <td>No.2</td> <td>SPF</td> <td colspan="8"></td> </tr> <tr> <td colspan="12">DRY: SEASONED LUMBER.</td> </tr> </table> | | | | | | | | | | | | LUMBER | | DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER | | | | | | | | TOTAL WEIGHT = 92 lb/1Mf | | N. L. G. A. RULES | | BEARINGS | | | | | | | | | | CHORDS | SIZE | LUMBER | DESCR | SPF | FACTOR | MAXIMUM | FACTOR | INPUT | REQRD | | | A - C | 2x4 | DRY | 2100F 1.8E | SPF | GROSS REACTION | GROSS REACTION | BRG | BRG | | | | C - E | 2x4 | DRY | No.2 | SPF | VERT | HORZ | DOWN | HORZ | IN-SX | | | E - G | 2x4 | DRY | 2100F 1.8E | SPF | J-T | | UPLIFT | | IN-SX | | | B - I | 2x4 | DRY | No.2 | SPF | B | 1614 | 0 | 0 | S-8 | 1-12 | | I - F | 2x4 | DRY | No.2 | SPF | F | 1614 | 0 | 0 | S-8 | 1-12 | | ALI. WEBS | | 2x3 | DRY | No.2 | SPF | | | | | | | | | DRY: SEASONED LUMBER. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LUMBER | | DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER | | | | | | | | TOTAL WEIGHT = 92 lb/1Mf | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CHORDS | SIZE | LUMBER | DESCR | SPF | FACTOR | MAXIMUM | FACTOR | INPUT | REQRD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| C - E | 2x4 | DRY | No.2 | SPF | VERT | HORZ | DOWN | HORZ | IN-SX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E - G | 2x4 | DRY | 2100F 1.8E | SPF | J-T | | UPLIFT | | IN-SX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| ALI. WEBS | | 2x3 | DRY | No.2 | SPF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DRY: SEASONED LUMBER. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td colspan="2">PLATES (table is in Inches)</td> <td colspan="8">UNFACTORED REACTIONS</td> <td colspan="2">DESIGN CRITERIA</td> </tr> <tr> <td>JT</td> <td>TYPE</td> <td>PLATES</td> <td>W</td> <td>LEN</td> <td>Y</td> <td>X</td> <td colspan="2">1ST LCAE</td> <td colspan="2">MAX / MIN. COMPONENT REACTIONS</td> <td colspan="2">SPECIFIED LOADS</td> </tr> <tr> <td>B</td> <td>TMB14</td> <td>MT20</td> <td>3.0</td> <td>8.0</td> <td>0.25</td> <td>8.00</td> <td colspan="2">COMBINED SNOW</td> <td>LIVE</td> <td>PERM/LIVE</td> <td>WIND</td> <td>DEAD</td> <td>SOIL</td> </tr> <tr> <td>C</td> <td>TTWW-m</td> <td>MT20</td> <td>4.0</td> <td>8.0</td> <td>1.00</td> <td>3.50</td> <td colspan="2">B</td> <td>0/0</td> <td>0/0</td> <td>0/0</td> <td>401/0</td> <td>0/0</td> </tr> <tr> <td>D</td> <td>TTWV-w</td> <td>MT20</td> <td>2.0</td> <td>6.0</td> <td></td> <td></td> <td colspan="2">F</td> <td>0/0</td> <td>0/0</td> <td>0/0</td> <td>401/0</td> <td>0/0</td> </tr> <tr> <td>E</td> <td>TTWW-m</td> <td>MT20</td> <td>4.0</td> <td>8.0</td> <td>1.00</td> <td>3.50</td> <td colspan="8"></td> </tr> <tr> <td>F</td> <td>TMB14</td> <td>MT20</td> <td>3.0</td> <td>8.0</td> <td>0.25</td> <td>8.00</td> <td colspan="8"></td> </tr> <tr> <td>G</td> <td>BMW14</td> <td>MT20</td> <td>2.0</td> <td>6.0</td> <td></td> <td></td> <td colspan="8"></td> </tr> <tr> <td>H</td> <td>BMW14</td> <td>MT20</td> <td>3.0</td> <td>6.0</td> <td></td> <td></td> <td colspan="8"></td> </tr> <tr> <td>I</td> <td>BS-4</td> <td>MT20</td> <td>3.0</td> <td>6.0</td> <td></td> <td></td> <td colspan="8"></td> </tr> <tr> <td>J</td> <td>BMWWW-I</td> <td>MT20</td> <td>3.0</td> <td>10.0</td> <td></td> <td></td> <td colspan="8"></td> </tr> <tr> <td>K</td> <td>BMW14</td> <td>MT20</td> <td>2.0</td> <td>6.0</td> <td></td> <td></td> <td colspan="8"></td> </tr> </table> | | | | | | | | | | | | PLATES (table is in Inches) | | UNFACTORED REACTIONS | | | | | | | | DESIGN CRITERIA | | JT | TYPE | PLATES | W | LEN | Y | X | 1ST LCAE | | MAX / MIN. COMPONENT REACTIONS | | SPECIFIED LOADS | | B | TMB14 | MT20 | 3.0 | 8.0 | 0.25 | 8.00 | COMBINED SNOW | | LIVE | PERM/LIVE | WIND | DEAD | SOIL | C | TTWW-m | MT20 | 4.0 | 8.0 | 1.00 | 3.50 | B | | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | D | TTWV-w | MT20 | 2.0 | 6.0 | | | F | | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | E | TTWW-m | MT20 | 4.0 | 8.0 | 1.00 | 3.50 | | | | | | | | | F | TMB14 | MT20 | 3.0 | 8.0 | 0.25 | 8.00 | | | | | | | | | G | BMW14 | MT20 | 2.0 | 6.0 | | | | | | | | | | | H | BMW14 | MT20 | 3.0 | 6.0 | | | | | | | | | | | I | BS-4 | MT20 | 3.0 | 6.0 | | | | | | | | | | | J | BMWWW-I | MT20 | 3.0 | 10.0 | | | | | | | | | | | K | BMW14 | MT20 | 2.0 | 6.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PLATES (table is in Inches) | | UNFACTORED REACTIONS | | | | | | | | DESIGN CRITERIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JT | TYPE | PLATES | W | LEN | Y | X | 1ST LCAE | | MAX / MIN. COMPONENT REACTIONS | | SPECIFIED LOADS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| B | TMB14 | MT20 | 3.0 | 8.0 | 0.25 | 8.00 | COMBINED SNOW | | LIVE | PERM/LIVE | WIND | DEAD | SOIL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C | TTWW-m | MT20 | 4.0 | 8.0 | 1.00 | 3.50 | B | | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | TTWV-w | MT20 | 2.0 | 6.0 | | | F | | 0/0 | 0/0 | 0/0 | 401/0 | 0/0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E | TTWW-m | MT20 | 4.0 | 8.0 | 1.00 | 3.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F | TMB14 | MT20 | 3.0 | 8.0 | 0.25 | 8.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| G | BMW14 | MT20 | 2.0 | 6.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | BMW14 | MT20 | 3.0 | 6.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| I | BS-4 | MT20 | 3.0 | 6.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| J | BMWWW-I | MT20 | 3.0 | 10.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| K | BMW14 | MT20 | 2.0 | 6.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | COMPANION LIVE LOAD FACTOR = 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | NAIL VALUES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | PLATE GRIP (ORY) SHEAR SECTION (PSI) (PLI) MAX MIN MAX MIN MAX MIN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | MT20 618 354 1667 822 2234 1656 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | PLATE PLACEMENT TOL. = 0.250 inches | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | PLATE ROTATION TOL. = 5.0 Deg. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| SEP 27 2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| WA18-6283 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| This dwg sealed as component only | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



May 23, 2023

To:

Norfolk County
Robinson Administration Building, Suite 200
185 Robinson Street
Simcoe, Ontario, N3Y 5L6

Attn: Building Department / Drainage Superintendent

Site Grading Certificate

A topographical site capture was conducted on May 19, 2023, to establish the impact that the addition of a garage shed has on the site grading of 461 Plank Road South, Tillsonburg Ontario. The scope of Stonecrest Engineering's analysis has been limited to the localized changes made in regard to the construction of the garage.

The pre-construction grading has been maintained throughout the property, apart from the new garage structure. The front half of the structure is a hip-roof while the back of the structure is a gable-roof, this diverts the rain flow from the roof to be evenly distributed into the yard of the property. Eavestroughs and downspouts may be advisable as a means of diverting water from the structure in addition to preventing soil erosion from more concentrated overland flows.

The garage appears to be located within both the County of Norfolk's Hamlet Residential Zone as well as Long Point Conservation Authority's Hazard Land Zone. Any necessary approvals associated with the structure in terms of its location is to be determined by the parties within this jurisdiction.

It is advised that a ground cover, such as grass be established on areas of exposed ground to prevent both the erosion of soil on the property and sedimentation of the adjacent water course.

It is anticipated that settlement may occur over the years following construction and as such, it is the responsibility of the Owner to repair any settlement in order to maintain positive drainage away from the building.

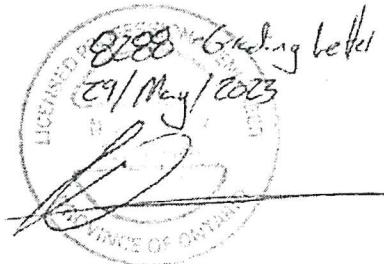
Stonecrest Engineering hereby certifies that the property located at 461 Highway 19 Tillsonburg, Ontario has been inspected and determined that the pre and post construction flows have not been substantially changed. The addition of the garage to the property has a negligible impact on the water discharged at the property lines.

Please refer to the appended photographs and as-built grade topographical survey provided as supplementary to this certificate.

We trust that this meets your approval, should any further questions arise please do not hesitate to reach-out at your convenience.



Kind regards,



Bram Van den Heuvel, C.E.T., LEL
Vice President



Nick Hendry, P.Eng
President



Meredith Woodhouse





Figure 1 – Garage Location

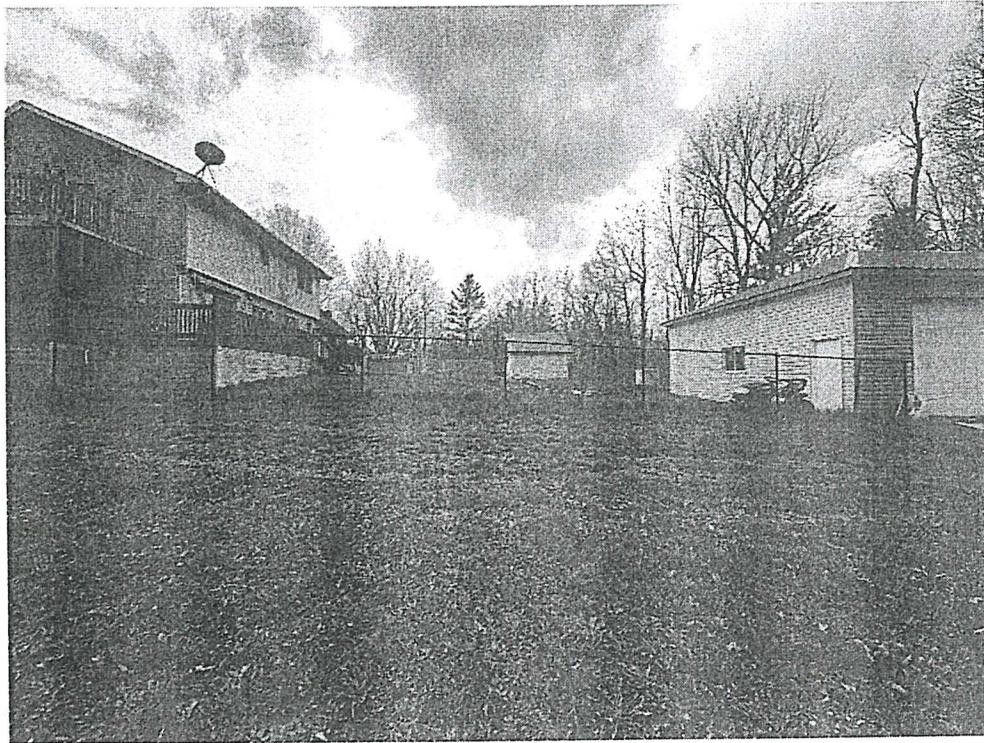


Figure 2 – Backyard Grade

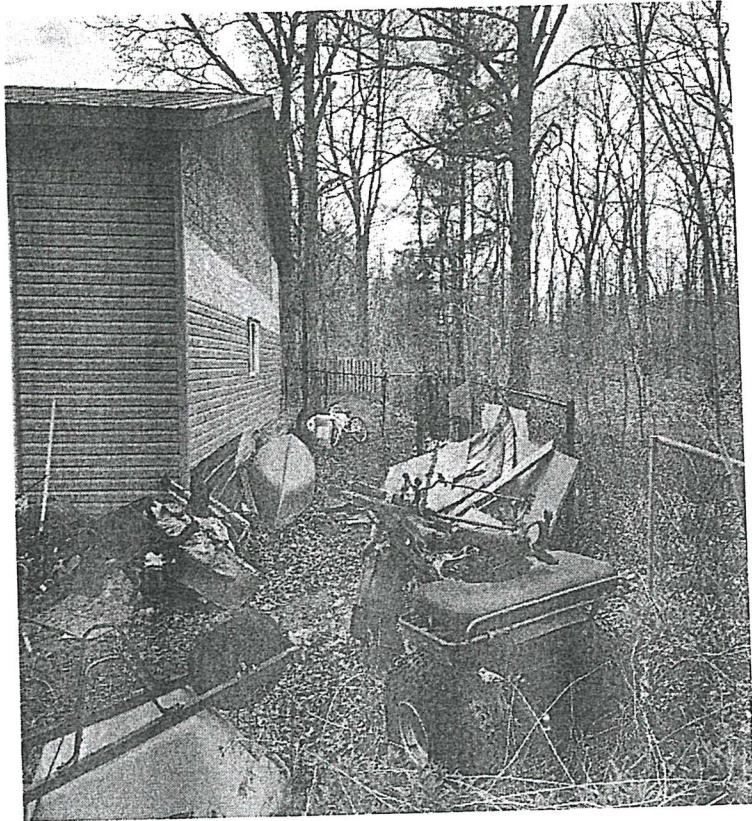


Figure 3 – Rear Grading of Garage

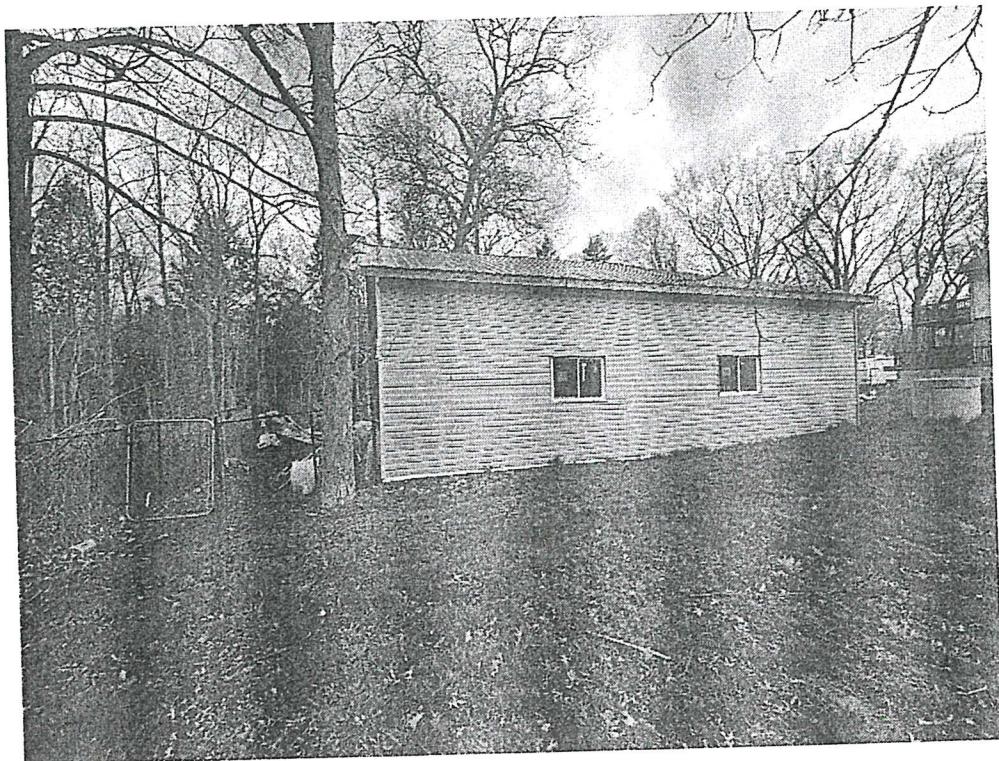
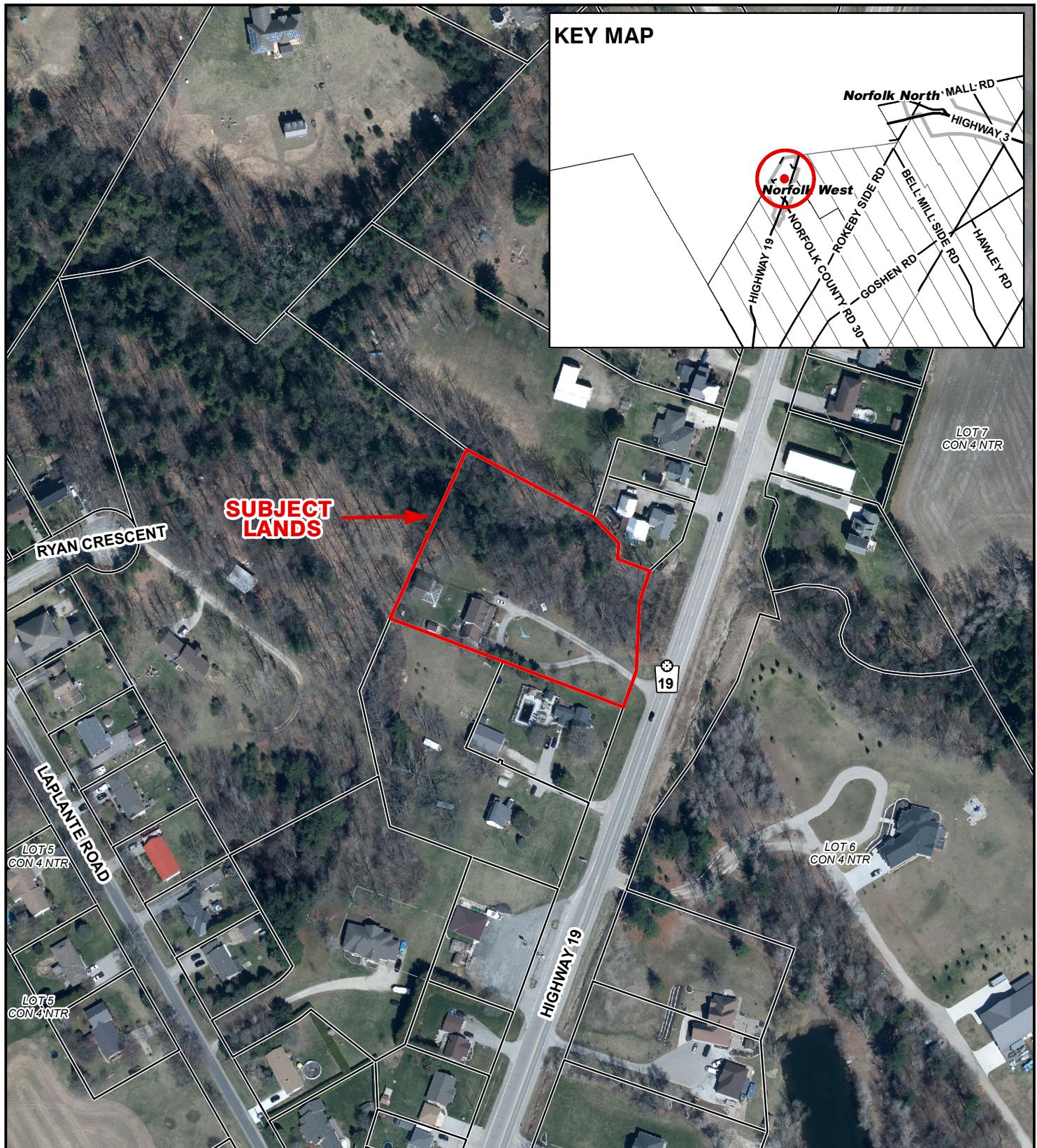


Figure 4 – Side yard Grade

CONTEXT MAP

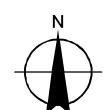
Geographic Township of MIDDLETON



Legend

 Subject Lands

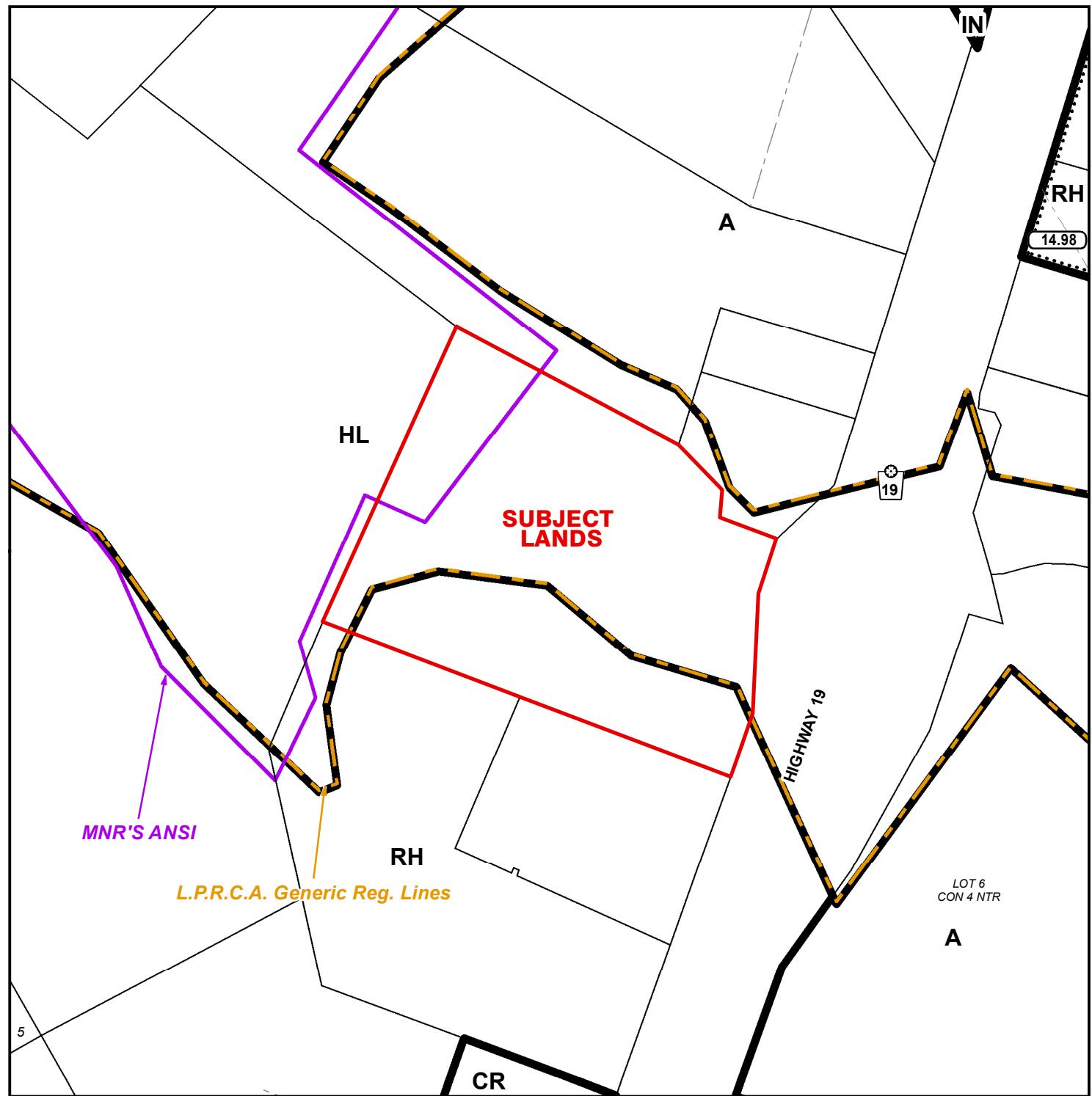
2020 Air Photo



20 10 0 20 40 60 80 Meters

ZONING BY-LAW MAP

Geographic Township of MIDDLETON



LEGEND

- Subject Lands
- MNR ANSI
- LPRCA Generic RegLines

ZONING BY-LAW 1-Z-2014

7/29/2024

(H) - Holding

A - Agricultural Zone

CR - Rural Commercial Zone

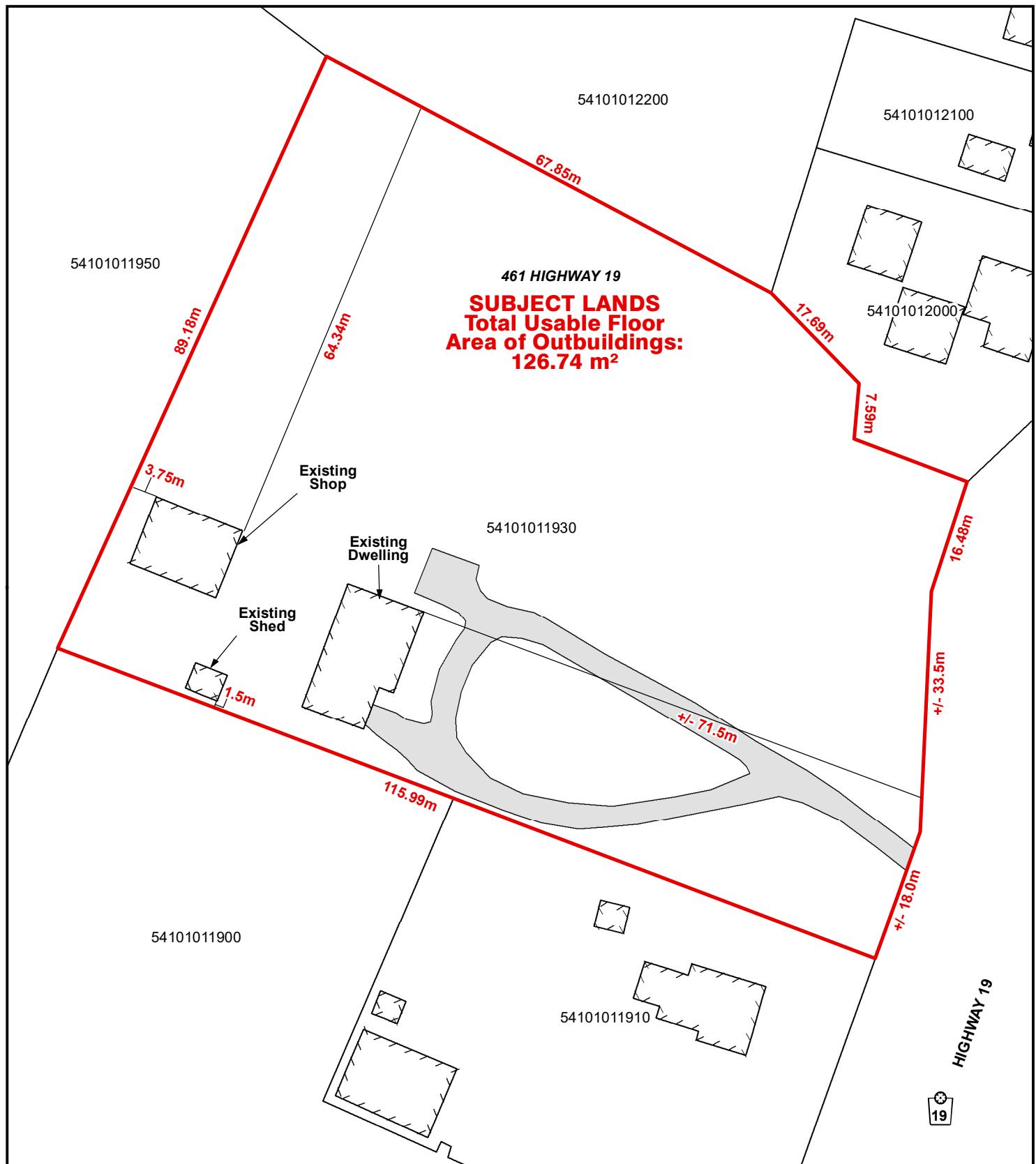
RH - Hamlet Residential Zone

HL - Hazard Land Zone

IN - Neighbourhood Institutional Zone



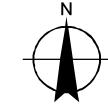
10 5 0 10 20 30 40 Meters

CONCEPTUAL PLAN
Geographic Township of MIDDLETON

Legend

Subject Lands

7/29/2024

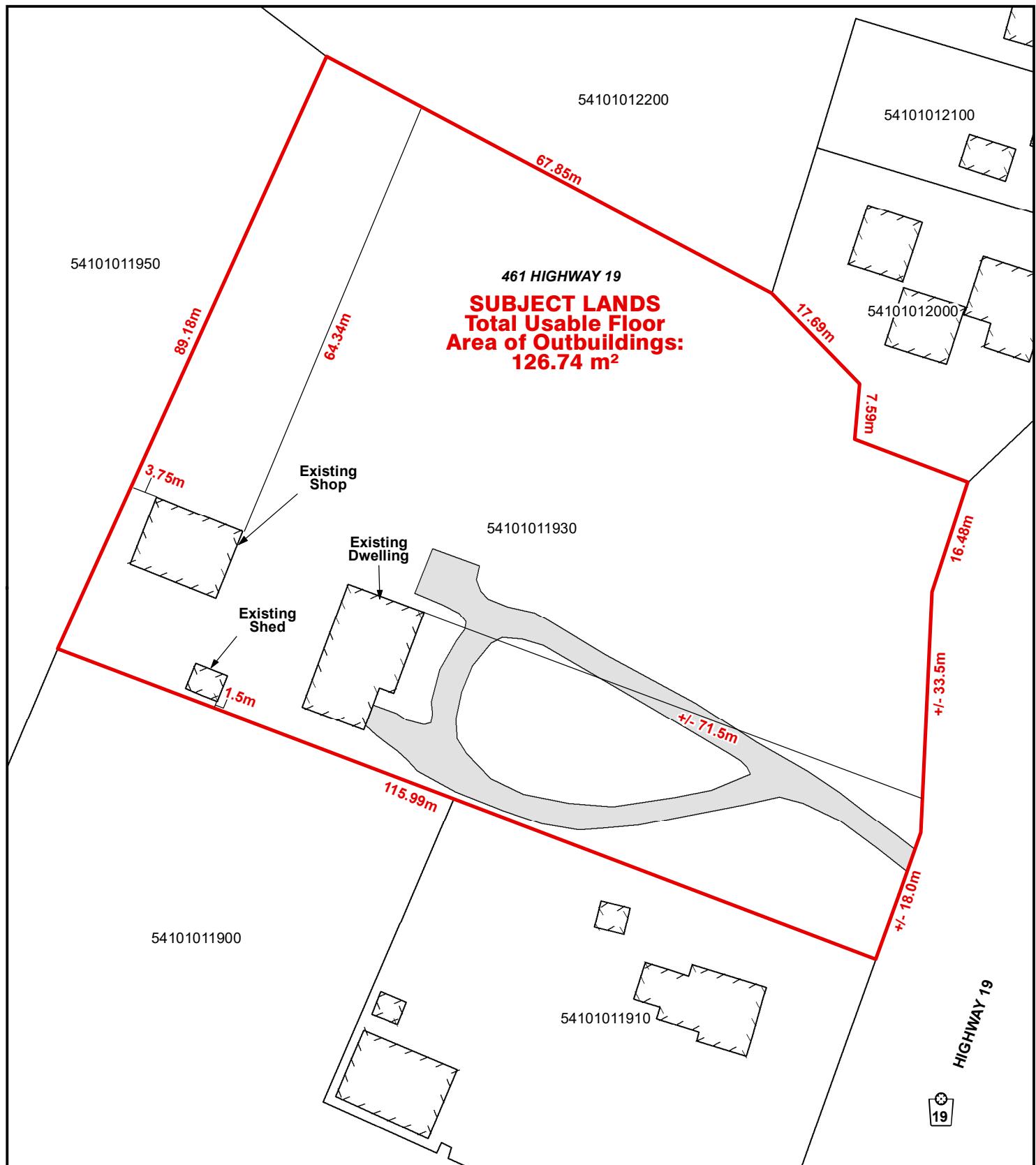


6 3 0 6 12 18 24 Meters

LOCATION OF LANDS AFFECTED

ANPL2024245

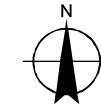
CONCEPTUAL PLAN Geographic Township of MIDDLETON



Legend

Subject Lands

7/29/2024



6 3 0 6 12 18 24 Meters