

## 1 Bailey Street Port Carling, ON P0B 1J0

E: planning@muskokalakes.ca P: 705-765-3156 F: 705-765-6755

# COMMITTEE OF ADJUSTMENT - NOTICE OF HEARING

THE CORPORATION OF THE TOWNSHIP OF MUSKOKA LAKES

To consider an application for a proposed minor variance to Zoning By-law 2014-14 pursuant to Section 45 of the Planning Act, R.S.O., 1990, Chapter P. 13, as amended. **This notice has been sent to you for information and does not require any response unless you wish to make one.** 

File No.: A-72/25 Roll No.: 8-9-072

Owners:	Lorraine Lewis and Paul Wark, 8 Weldon Avenue, P.O. Box 45, Arva, ON, N0M		
	1C0		
Address &	1004 Summit Road, Unit #3		
Description:	Part of Lot 1, Plan M-210, Parts 1 and 2, Plan 35R-10719, Part 1, Plan 35R-27743,		
-	(Wood)		
Zoning:	Waterfront Residential – No	Nine Mile Lake	Schedule: 52
	Constraints (WR1)	(Category 2 Lake)	
Hearing Date: Monday, January 12th, 2026 at 9:00 a.m.			



Take further notice that this public hearing will be held in a hybrid forum with electronic Zoom participation, and in-person format for those wishing to attend in-person. The hearing will be held in the **Council Chambers, Municipal Office, 1 Bailey Street, Port Carling, ON**. Should you wish to view an electronic copy of the Notice of Hearing for the above-noted application, please visit <a href="https://www.muskokalakes.ca/planning-notices/">https://www.muskokalakes.ca/planning-notices/</a> or scan the QR code.

# **Explanation of the Purpose and Effect:**

The applicants propose to redevelop an existing single-storey boathouse. The existing boathouse has a flat roof and the applicants wish to redevelop the boathouse with a peaked roof. The following is a summary of the requested variances:

Variance	ZBL 2014-14 Section(s)	Description	Permitted	Proposed	Variance	Proposal
А	4.1.7 & 4.1.7.11 b.	Minimum Setback from the Westerly Side Lot Line Projection from the High Water Mark	15 ft.	1 ft.	14 ft.	Redevelop a Single- Storey
В	4.1.7 &	Maximum Permitted Cumulative Boathouse Width	12% (6.9 ft.)	21% (12 ft.)	5.1 ft.	Boathouse to have a
С	4.1.7.12 a.	Maximum Permitted Cumulative Shoreline Structure Width	15% (8.6 ft.)	21% (12 ft.)	3.4 ft.	Peaked Roof

A key map of the subject property and the applicants' site plan and any drawings are included in this notice.



For more information, please contact the Planning Division weekdays between 8:15 a.m. and 4 p.m. at the Municipal Office, or at <a href="mailto:planning@muskokalakes.ca">planning@muskokalakes.ca</a> or by phone at (705) 765-3156. **Please quote the file number noted above.** 

# **How to Participate:**

# **Submit Comments in Writing**



Submit comments to <a href="mailto:planning@muskokalakes.ca">planning@muskokalakes.ca</a>, deliver in-person, or mail to P.O. Box 129, 1 Bailey Street, Port Carling, ON, P0B 1J0. For correspondence to be included on the agenda, please submit your comments by: January 7, 2026.

Please note that comments can still be submitted after the agenda has been published. Personal information collected in response to this Notice of Hearing will be used to assist staff and Council to process this application and will be made public.

# Active Participation In-Person or on Zoom



Hybrid hearings are held at 9:00 a.m. on the above-noted hearing date in Council Chambers at the Municipal Office. For more information about participating via Zoom, visit <a href="https://www.muskokalakes.ca/zoom">www.muskokalakes.ca/zoom</a>

If you wish to speak to the Committee of Adjustment at the hearing by electronic participation, please contact <a href="mailto:planning@muskokalakes.ca">planning@muskokalakes.ca</a> by 9:00 a.m. on the regular business day preceding the scheduled hearing.

# Watch the Hearing Online



You can access the hearing from YouTube on the Township of Muskoka Lakes YouTube Channel. If the live webcast fails, the hearing recording will be posted under the Government Portal on <a href="https://www.muskokalakes.ca">www.muskokalakes.ca</a>

**FAILURE TO PARTICIPATE IN HEARING:** If you do not participate in the hearing it may proceed in your absence and, except as otherwise provided in the Planning Act, you will not be entitled to any further notice in the proceedings.

**DECISION & APPEALS:** If you wish to be notified of the decision of the Committee of Adjustment in respect to this application, you must make a written request to <a href="mailto:planning@muskokalakes.ca">planning@muskokalakes.ca</a>. Furthermore, **no one other than** the applicant, the municipality, certain public bodies, a "specified person" (as defined by the Planning Act 1(1)), and the minister may file an appeal of the decision of the Committee of Adjustment in respect of the proposed variance. If they do not make a written submission to the Secretary Treasurer before the variance is approved or refused, then the Ontario Land Tribunal may dismiss the appeal.

**PLEASE NOTE:** The Committee of Adjustment is a judicial body which makes decisions solely on the information gathered as a Committee. Committee members are not to be contacted prior to the hearing date to avoid a conflict of interest.

Dated at the Township of Muskoka Lakes this 12th day of December, 2025.

Chelsea Ward, Secretary-Treasurer Committee of Adjustment <a href="mailto:planning@muskokalakes.ca">planning@muskokalakes.ca</a>



# KEY MAP, A-72/25 (LEWIS & WARK)





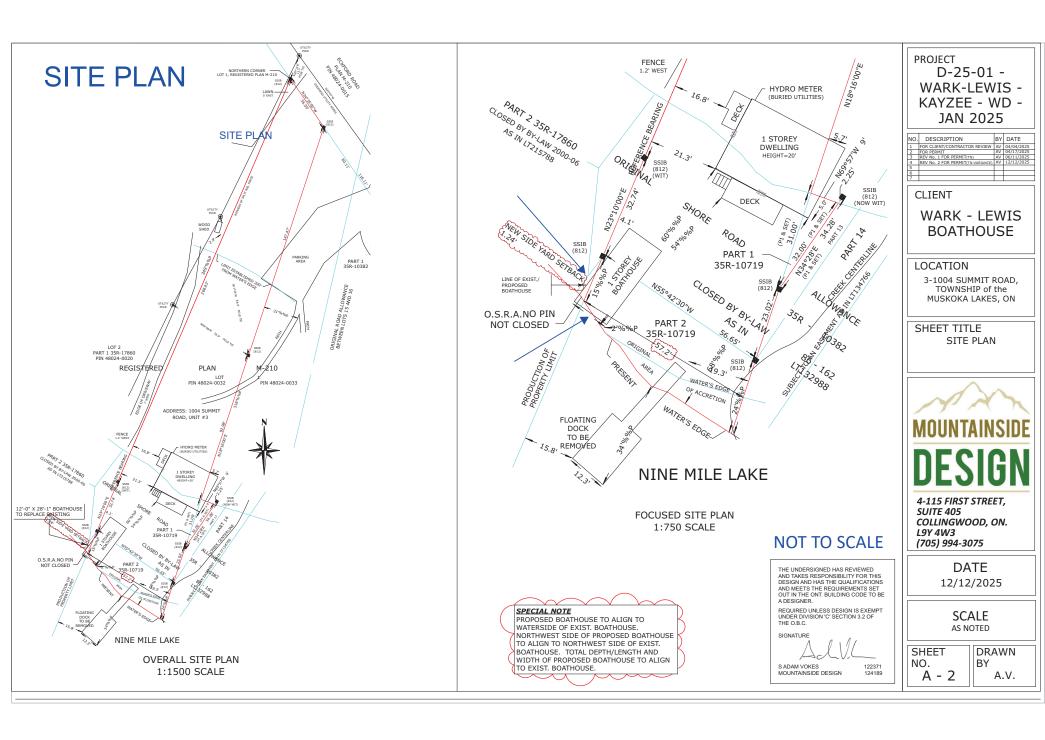
World\_Hillshade

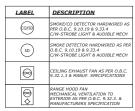
Township

Esri, NASA, NGA, USGS, FEMA, Sources: NRCan, Esri Canada, and Canadian Community Maps contributors.

0.19 mi

0.3 km





H1

HEADER	DESCRIPTION
H1	DROPPED 2-PLY 2"X10"(1-PLY JACK)

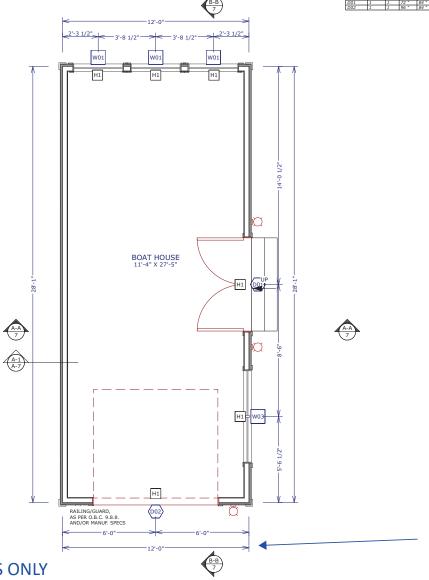
\_\_(B1)

BEAM	DESCRIPTION
B1	FLUSH - 3 PLY 2"X10"(SPF NO.2)
B3	DROPPED - 3 PLY 2"X10"(SPF NO.2)

(C1)

POST	DESCRIPTION	
C1	HELICAL PIER BY OTHER	
C/W 1/2" OR 3" NA		





**PROJECT** D-25-01 -WARK-LEWIS -KAYZEE - WD -

NO.	DESCRIPTION	BY	DATE
1	FOR CLIENT/CONTRACTOR REVIEW	AV	04/04/2025
2	FOR PERMIT	AV	04/17/2025
3	REV No. 1 FOR PERMIT(TN)	AV	06/11/2025
4	REV No. 2 FOR PERMIT(TN-VARIANCE)	AV	12/12/2025
5			
6			

JAN 2025

CLIENT

WARK - LEWIS **BOATHOUSE** 

### LOCATION

3-1004 SUMMIT ROAD, TOWNSHIP of the MUSKOKA LAKES, ON

SHEET TITLE MAIN FLOOR PLAN



4-115 FIRST STREET, SUITE 405 COLLINGWOOD, ON. L9Y 4W3 (705) 994-3075

> DATE 12/12/2025

> > SCALE 1/4" = 1'-0"

SHEET NO.

DRAWN BY A - 4 A.V.

S ADAM VOKES MOUNTAINSIDE DESIGN

**NOT TO SCALE** 

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONT. BUILDING CODE TO BE

REQUIRED UNLESS DESIGN IS EXEMPT

UNDER DIVISION 'C' SECTION 3.2 OF

THE O.B.C.

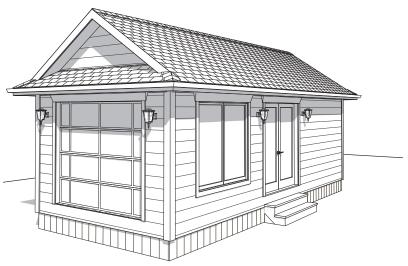
SIGNATURE

FOR INFORMATIONAL PURPOSES ONLY

PROVIDE ENGINEERED SHOP DRAWINGS FOR ALL ENG. WOOD PRODUCTS UNLESS OTHERWISE STATED.

#### SPECIAL NOTES:

-CONTRACT TO ENSURE ADEQUATE BRACING TO EXISTING STRUCTURES DURING RENOVATION AND INSTALLATION OF NEW WALLS. -ALTERATIONS IN NEW FOUNDATION MAY BE REQUIRED, ANY DEFICIENCIES IN EXISTING WALLS AND/OR STRUCTURES MUST BE BROUGHT TO THE ATTENTION OF THE DESIGNER IMMEDIATELY.



# FOR INFORMATIONAL PURPOSES ONLY

#### SCOPE OF WORK:

BOAT HOUSE 288 SQFT COVERED

#### FLOOR LOADING:

- 0.72 KPa (15 PSF) DEAD LOAD - 1.92 KPa (40 PSF) - LIVE LOAD
- ROOF LOADING:
- 0.72 KPa (15 PSF) D E A D L O A D
- 1.89 KPa (39 PSF) SPECIFIED SNOW LOAD
- 2.70 KPa (56 PSF) GROUND SNOW LOAD

# WARK - LEWIS BOAT HOUSE REPLACEMENT 3-1004 SUMMIT ROAD

## **TABLE OF CONTENTS**

- COVER A - 1
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- A 4 MAIN FLOOR PLAN
- A 5 **ROOF PLAN**
- **ELEVATIONS** A - 6
- A 7 **CROSS SECTIONS**
- A 8 WALL SECTIONS & WINDOW/DOOR SCHEDULES
- A 9 **GENERAL NOTES**

### D-25-01 -WARK-LEWIS -KAYZEE - WD -

JAN 2025

NO. DESCRIPTION BY DATE 1 FOR CLIENT/CONTRACTOR
2 FOR PERMIT
3 REV No. 1 FOR PERMIT(TN)
4 REV No. 2 FOR PERMIT(TN-4)

#### CLIENT

PROJECT

WARK - LEWIS **BOATHOUSE** 

#### LOCATION

3-1004 SUMMIT ROAD, TOWNSHIP of the MUSKOKA LAKES, ON

SHEET TITLE COVER



4-115 FIRST STREET. SUITE 405 COLLINGWOOD, ON. L9Y 4W3 (705) 994-3075

> DATE 12/12/2025

> > SCALE

SHEET

NO. A - 1

DRAWN BY A.V.

# **NOT TO SCALE**

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SIGNATURE

S ADAM VOKES MOUNTAINSIDE DESIGN

LABEL	DESCRIPTION
CO/SD	SMOKE/CO DETECTOR HARDWIRED AS PER O.B.C. 9.10.19 & 9.33.4 C/W-STROBE LIGHT & AUDIBLE MECH
SD	SMOKE DETECTOR HARDWIRED AS PER O.B.C. 9.10.19 & 9.33.4 C/W-STROBE LIGHT & AUDIBLE MECH
⊗	CEILING EXHAUST FAN AS PER O.B.C. 9.32.1.3 & MANUF. SPECIFICATIONS
<b>⊗</b>	RANGE HOOD FAN MECHANICAL VENTILATION TO EXTERIOR AS PER O.B.C. 9.32.3. & MANUFACTURERS SPECIFICATION



HEADER	DESCRIPTION	
H1	DROPPED 2-PLY 2"X10"(1-PLY JACK)	

 $\langle B1 \rangle$ 

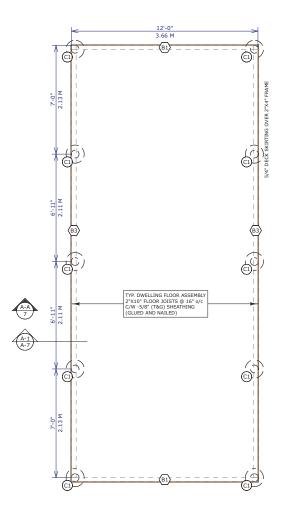
DESCRIPTION	
FLUSH - 3 PLY 2"X10"(SPF NO.2)	
DROPPED - 3 PLY 2"X10"(SPF NO.2)	

(C1)

POST	DESCRIPTION
C1	HELICAL PIER BY OTHER
COL NOTE  COL. ABOVE 3 PLY  C/W 1/2" TROUGH BOLTS @ 16" o/c VERT.  OR 3" NAILS @ 12" o/c VERT.  ** AS PER O.B.C. 9.17.4.2 **	

# **FOOTING PLAN**







**PROJECT** D-25-01 -WARK-LEWIS -KAYZEE - WD -JAN 2025

NO.	DESCRIPTION	BY	DATE
1	FOR CLIENT/CONTRACTOR REVIEW	AV	04/04/2025
2	FOR PERMIT	AV	04/17/2025
	REV No. 1 FOR PERMIT(TN)	AV	06/11/2025
	REV No. 2 FOR PERMIT(TN-VARIANCE)	AV	12/12/2025
5			
6			
7			

CLIENT

WARK - LEWIS **BOATHOUSE** 

#### LOCATION

3-1004 SUMMIT ROAD, TOWNSHIP of the MUSKOKA LAKES, ON

SHEET TITLE FOOTING PLAN



SUITE 405 COLLINGWOOD, ON. L9Y 4W3 (705) 994-3075

> DATE 12/12/2025

> > SCALE 1/4" = 1'-0"

SHEET NO.

DRAWN BY A - 3 A.V.

# **NOT TO SCALE**

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONT. BUILDING CODE TO BE

REQUIRED UNLESS DESIGN IS EXEMPT UNDER DIVISION 'C' SECTION 3.2 OF THE O.B.C.

SIGNATURE

S ADAM VOKES MOUNTAINSIDE DESIGN

FOR INFORMATIONAL PURPOSES ONLY

LABEL	DESCRIPTION
(co/sb)	SMOKE/CO DETECTOR HARDWIRED A: PER O.B.C. 9.10.19 & 9.33.4 C/W-STROBE LIGHT & AUDIBLE MECH
SD	SMOKE DETECTOR HARDWIRED AS PE 0.B.C. 9.10.19 & 9.33.4 C/W-STROBE LIGHT & AUDIBLE MECH
$\Theta$	CEILING EXHAUST FAN AS PER O.B.C. 9.32.1.3 & MANUF. SPECIFICATIONS
<b>@</b> \$	RANGE HOOD FAN MECHANICAL VENTILATION TO EXTERIOR AS PER O.B.C. 9.32.3. & MANUFACTURERS SPECIFICATION

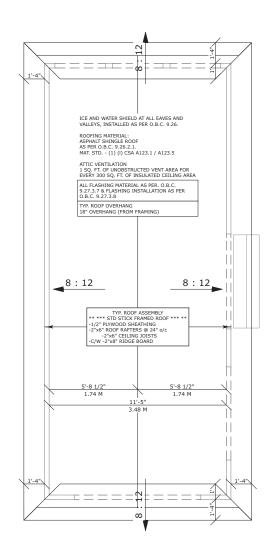
## H1 HEADER DESCRIPTION

(B1)	
BEAM	DESCRIPTION
B1	FLUSH - 3 PLY 2"X10"(SPF NO.2)
B3	DROPPED - 3 PLY 2"X10"(SPF NO.2)

DROPPED 2-PLY 2"X10"(1-PLY JACK)

(C1)	
POST	DESCRIPTION
C1	HELICAL PIER BY OTHER
OR 3" NA	/E 3 PLY TROUGH BOLTS @ 16" o/c VERT. ILS @ 12" o/c VERT. PER O.B.C. 9.17.4.2 **

# **ROOF PLAN**



**PROJECT** D-25-01 -WARK-LEWIS -KAYZEE - WD -JAN 2025

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1	FOR CLIENT/CONTRACTOR REVIEW	AV	04/04/2025
2	FOR PERMIT	AV	04/17/2025
3	REV No. 1 FOR PERMIT(TN)	AV	06/11/2025
4	REV No. 2 FOR PERMIT(TN-VARIANCE)	AV	12/12/2025
5			
6			
7			

CLIENT

WARK - LEWIS **BOATHOUSE** 

#### LOCATION

3-1004 SUMMIT ROAD, TOWNSHIP of the MUSKOKA LAKES, ON

SHEET TITLE ROOF PLAN



4-115 FIRST STREET, SUITE 405 COLLINGWOOD, ON. L9Y 4W3 (705) 994-3075

> DATE 12/12/2025

> > SCALE 1/4" = 1'-0"

SHEET NO. A - 5

DRAWN BY

A.V.

**NOT TO SCALE** 

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONT. BUILDING CODE TO BE

REQUIRED UNLESS DESIGN IS EXEMPT

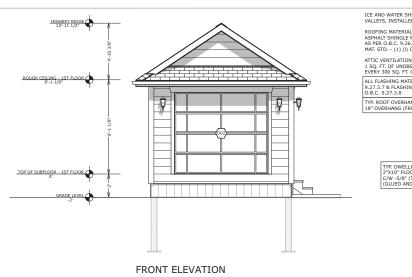
UNDER DIVISION 'C' SECTION 3.2 OF

S ADAM VOKES MOUNTAINSIDE DESIGN

THE O.B.C.

SIGNATURE

# FOR INFORMATIONAL PURPOSES ONLY



ICE AND WATER SHIELD AT ALL EAVES AND VALLEYS, INSTALLED AS PER O.B.C. 9.26.

ASPHALT SHINGLE ROOF AS PER O.B.C. 9.26.2.1.

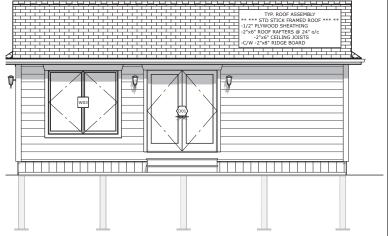
MAT. STD. - (1) (I) CSA A123.1 / A123.5

1 SQ. FT. OF UNOBSTRUCTED VENT AREA FOR EVERY 300 SQ. FT. OF INSULATED CEILING AREA

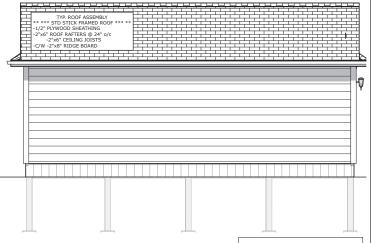
ALL FLASHING MATERIAL AS PER. O.B.C. 9.27.3.7 & FLASHING INSTALLATION AS PER O.B.C. 9.27.3.8

TYP. ROOF OVERHANG 18" OVERHANG (FROM FRAMING)

C/W -5/8" (T&G) SHEATHING (GLUED AND NAILED)



#### RIGHT ELEVATION



ICE AND WATER SHIELD AT ALL EAVES AND VALLEYS, INSTALLED AS PER O.B.C. 9.26.

> ROOFING MATERIAL ASPHALT SHINGLE ROOF AS PER O.B.C. 9.26.2.1. MAT. STD. - (1) (I) CSA A123.1 / A123.5

ATTIC VENTILATION 1 SQ. FT. OF UNOBSTRUCTED VENT AREA FOR EVERY 300 SQ. FT. OF INSULATED CEILING AREA

ALL FLASHING MATERIAL AS PER. O.B.C. 9.27.3.7 & FLASHING INSTALLATION AS PER O.B.C. 9.27.3.8

TYP. ROOF OVERHANG 18" OVERHANG (FROM FRAMING)

TYP. DWELLING FLOOR ASSEMBLY 2"X10" FLOOR JOISTS @ 16" o/c C/W -5/8" (T&G) SHEATHING (GLUED AND NAILED)

**ELEVATIONS** 

LEFT ELEVATION

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONT. BUILDING CODE TO BE A DESIGNER.

REQUIRED UNLESS DESIGN IS EXEMPT UNDER DIVISION 'C' SECTION 3.2 OF THE O.B.C.

SIGNATURE

S ADAM VOKES MOUNTAINSIDE DESIGN

**PROJECT** D-25-01 -WARK-LEWIS -KAYZEE - WD -**JAN 2025** 

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	REV No. 2 FOR PERMIT(TN-VARIANCE)	AV	12/12/2025
5			
6			

CLIENT

WARK - LEWIS **BOATHOUSE** 

#### LOCATION

3-1004 SUMMIT ROAD, TOWNSHIP of the MUSKOKA LAKES, ON

SHEET TITLE **ELEVATIONS** 



4-115 FIRST STREET, SUITE 405 COLLINGWOOD, ON. L9Y 4W3 (705) 994-3075

> DATE 12/12/2025

> > **SCALE** 3/16" = 1'-0"

SHEET

DRAWN BY A - 6

FOR INFORMATIONAL PURPOSES ONLY

REAR ELEVATION

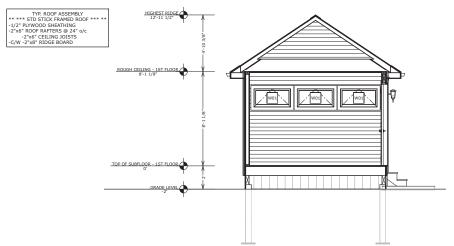
ROUGH CEILING - 1ST FLOOR 8'-1 1/8"

**NOT TO SCALE** 

NO.

A.V.

# **CROSS SECTIONS**



ICE AND WATER SHIELD AT ALL EAVES AND VALLEYS, INSTALLED AS PER O.B.C. 9.26.

ASPHALT SHINGLE ROOF AS PER O.B.C. 9.26.2.1. MAT. STD. - (1) (I) CSA A123.1 / A123.5

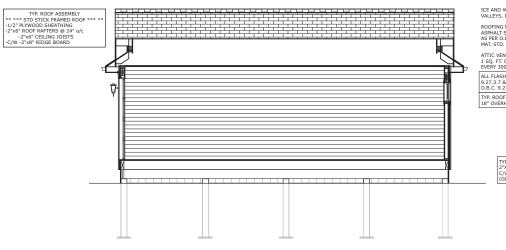
ATTIC VENTILATION 1 SQ. FT. OF UNOBSTRUCTED VENT AREA FOR EVERY 300 SQ. FT. OF INSULATED CEILING AREA

ALL FLASHING MATERIAL AS PER. O.B.C. 9.27.3.7 & FLASHING INSTALLATION AS PER O.B.C. 9.27.3.8

TYP. ROOF OVERHANG 18" OVERHANG (FROM FRAMING)

TYP. DWELLING FLOOR ASSEMBLY 2"X10" FLOOR JOISTS @ 16" o/c C/W -5/8" (T&G) SHEATHING (GLUED AND NAILED)

#### CROSS SECTION A-A



ICE AND WATER SHIELD AT ALL EAVES AND VALLEYS, INSTALLED AS PER O.B.C. 9.26.

ROOFING MATERIAL: ASPHALT SHINGLE ROOF AS PER O.B.C. 9.26.2.1. MAT. STD. - (1) (I) CSA A123.1 / A123.5

ATTIC VENTUATION 1 SQ. FT. OF UNOBSTRUCTED VENT AREA FOR EVERY 300 SQ. FT. OF INSULATED CEILING AREA

ALL FLASHING MATERIAL AS PER. O.B.C. 9.27.3.7 & FLASHING INSTALLATION AS PER O.B.C. 9.27.3.8

TYP. ROOF OVERHANG 18" OVERHANG (FROM FRAMING)

TYP. DWELLING FLOOR ASSEMBLY 2"X10" FLOOR JOISTS @ 16" o/c C/W -5/8" (T&G) SHEATHING (GLUED AND NAILED)

CROSS SECTION B-B

**NOT TO SCALE** 

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SIGNATURE

S ADAM VOKES MOUNTAINSIDE DESIGN

**PROJECT** D-25-01 -WARK-LEWIS -KAYZEE - WD -JAN 2025

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5			
6			

CLIENT

WARK - LEWIS **BOATHOUSE** 

#### LOCATION

3-1004 SUMMIT ROAD, TOWNSHIP of the MUSKOKA LAKES, ON

SHEET TITLE **CROSS SECTIONS** 



4-115 FIRST STREET, SUITE 405 COLLINGWOOD, ON. L9Y 4W3 (705) 994-3075

> DATE 12/12/2025

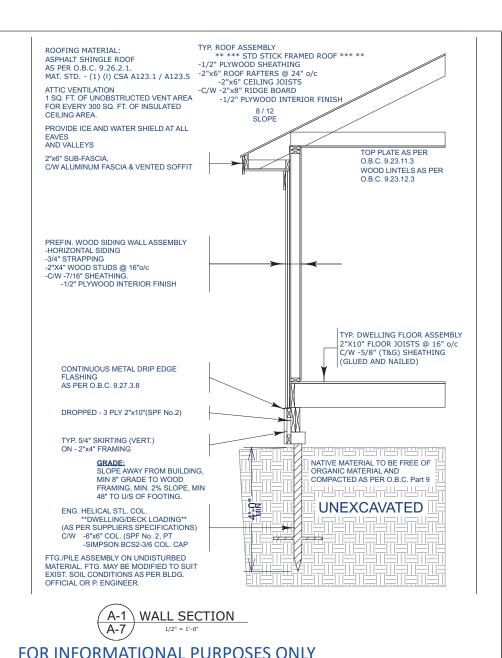
**SCALE** 3/16" = 1'-0"

SHEET NO.

DRAWN BY A.V.

FOR INFORMATIONAL PURPOSES ONLY

A - 7



WINDOW & DOOR SCHEDULES \* \* \* \* \* \*
CONTRACTOR TO VERIFY ALL WINDOW SIZES BEFORE ORDERING

\* \* \* \* \* \*

# WALL SECTIONS & WINDOW/ **DOOR SCHEDULES**

WARK-LEWIS -KAYZEE - WD -JAN 2025

D-25-01 -

CLIENT

**PROJECT** 

WARK - LEWIS **BOATHOUSE** 

#### LOCATION

3-1004 SUMMIT ROAD. TOWNSHIP of the MUSKOKA LAKES, ON

SHEET TITLE **WALL SECTIONS &** WINDOW/DOOR **SCHEDULES** 



4-115 FIRST STREET. SUITE 405 COLLINGWOOD, ON. L9Y 4W3 (705) 994-3075

> DATE 12/12/2025

> > **SCALE** AS NOTED

SHEET NO.

A - 8

DRAWN BY A.V.

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SIGNATURE

S ADAM VOKES MOUNTAINSIDE DESIGN

**NOT TO SCALE** 

#### **GENERAL**

- WHERE DOCUMENTS ARE REFERENCED IN THE GENERAL AND DESIGN NOTES. THEY SHALL BE THE LATEST EDITIONS OR REVISION, UNLESS NOTED OTHERWISE.

  2. READ STRUCTURAL DOCUMENTS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL,
- RICAL, AND OTHER CONTRACT DOCUMENTS.

  BEFORE PROCEEDING WITH THE WORK, CHECK ALL DIMENSIONS SHOWN ON THE STRUCTURAL IMENTS WITH SITE CONDITIONS AND THOSE SHOWN ON ARCHITECTURAL, MECHANICAL AND TRICAL DOCUMENTS AND REPORT DISCREPANCIES TO THE CONSULTANT.
- PROVIDE LABOUR, MATERIALS, PLANT AND EQUIPMENT TO COMPLETE ALL STRUCTURAL WORK
- CATED ON THE CONTRACT DOCUMENTS.

  CARRY OUT CONSTRUCTION OPERATIONS, INCLUDING THE INSTALLATION OF TEMPORARY

#### REFERENCE STANDARDS/CODES AND ACTS

- 1.1 CAN/CSA A23.1 CONCRETE MATERIALS AND METHODS OF CONCRETE
- CONCRETE MAN AND CONCRETE.

  CONSTRUCTION.

  METHODS OF TEST FOR CONCRETE.

  DESIGN OF CONCRETE STRUCTURES CAN/CSA A23.2 CAN/CSA A23.3 CAN/CSA-S16 RSIC LIMIT STATES DESIGN OF STEEL STRUCTURES. REINFORCING STEEL INSTITUTE OF CANADA (RSIC), MANUAL OF
- ARD PRACTICE.
- COLD FORMED STEEL STRUCTURAL MEMBERS. S136
- CANICSA G40.20(G40.21 STRUCTURAL QUALITY STEEL.

  086 ENGINEERING DESIGN IN WOOD (LIMIT STATES DESIGN).

  CAN3-A371 MASONRY CONSTRUCTION FOR BUILDINGS.

  ALL STANDARDS AND PUBLICATIONS REFERENCED BY THE STANDARDS NOTED ABOVE ARE TO
- AFFLT.

  WHERE THERE ARE DIFFERENCES BETWEEN THE DOCUMENTS AND THE STANDARDS, CODES AND ACTS. THE MOST STRINGENT SULLY COMMON.

### QUALIFICATIONS

#### SUBMITTALS

- SHOP DIKAWINGS
  SUBMIT FOR REVIEW BY THE CONSULTANT, <u>DETAILED</u> SHOP DRAWINGS FOR ALL TEMPORARY AND IAMENT STRUCTURAL WORK INCLUDING, BUT NOT LIMITED TO: AND PROPRIETARY PRODUCTS, JOHNST TEMPERED GLASS GUARDS.
- JOING TEMPERED GLASS GUARDS.

  THE SCALE OF THE DRAWINGS SHALL BE SUCH THAT THE DETAILS OF THE STRUCTURAL WORK ARE
  RLY SHOWN, AND IN NO CASE SMALLER THAN 1:50 (1/4" = 10").
  THE STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED, IN WHOLE OR IN PART, FOR USE AS
- THE 3 HOLD INVESTIGATION OF THE STATE OF THE
- CALCULATIONS
  CALCULATIONS
  SEARING THE SEAL AND SIGNATURE OF PROFESSIONAL ENGINEER
  ENSER) IN THE PROVINCE OF ONTARIO, FOR STRUCTURAL WORK, IF REQUESTED BY THE CONS
- NSEL IN THE PHOVINGE OF UNITARIO, FOR STRUCTURAL WORK, IF REQUESTED BY THE CONSULTANT MALE TEST REPORTS COVERING CHEMICAL PHYSICAL PROPERTIES OF MATERIALS USED.

  CONCRETE MIX DESIGNS
  Submit all concrete mix designs for review.
- Describe in detail on the mix design summary the location(s) where each mix is to be placed in the structure
- AS-BUILT DRAWINGS

  MARK ON A COMPLETE SET OF REPRODUCIBLE AS-BUILT DRAWINGS ANY CHANGES, ADDITIONS, OF THOSE THOUGHT OF THE CONTRACTOR'S WORK, CHANGE OF THE CONTRACTOR'S WORK, CHANGE OF THE CONTRACTOR'S WORK, CHANGE OF T

#### MATERIALS

- TIDAL MATERIALS IN ACCORDANCE WITH THE DESERVING STANDARDS PROVIDE ONLY NEW STRUCTURAL MATERIALS IN ACCORDANCE WITH THE REFE THE FOLLOWING, UNLESS OTHERWISE NOTED. CONCRETE: CONFORM TO THE REQUIREMENTS OF CSA-A23.1 AND THE FOLLOW

- CONCASE IE: CONFOUND 1 THE REGULARIEST SP US PAGE 300 THE PECTOWNING.

  EXPOSED TO PREZEZ-THAW & CHUCKIES (EXPOSURE CLASS C-1): FC = 38MPa.

  EXPOSED TO PREZEZ-THAW (EXPOSURE CLASS F-1): FC = 38MPa.

  EXPOSED TO PREZEZ-THAW (EXPOSURE CLASS F-1): FC = 38MPa.

  FOR EXPOSED TO PREZEZ-THAW (EXPOSURE CLASS F-1): FC = 38MPa.

  REINFORCIMENT CONFORM TO CASO SERIES, FY = 480 MPa FOR ALL REINFORCEMENT ALL

  REINFORCIMENT SO TO BE BLACK EXCEPT WHERE THE SUFFAC IS USED TO DESIGNATE EPOXY CONTED
- RCEMENT. /ELDED WIRE FABRIC: CONFORM TO CSA G30 SERIES, GRADE 386, IN FLAT SHEETS.
- VELDES THAT STEEL: STRUCTURAL STEEL: STRUCTURAL WIDE FLANGE AND WELDED WIDE FLANGE SHAPES (W, WWF) TO CONFORM TO CAN/
- G40.20/G40.21 GRADE 350W.
  ANGLES AND CHANNELS (L, C) TO CONFORM TO CANICSA-G40.20/G40.21 GRADE 300W.
  HOLLOW STRUCTURAL SECTIONS (HSS) TO CONFORM TO ASTM A500 GRADE C.

- 1.4.3 HOLDOW STRUCTURAL SECTIONS (PISS) TO CONFORM TO ASTIMAZO GRADE C.

  1.5 SHOP PARKET HOS PER SHOP PRIME OF PARKET SOME HIS STRUCTURAL BUT HIS PRAY FREPROOFING AND/OR

  1.5 SHOP PRIME TO COSCIONAL TARGET SHOP PRIME STRUCTURAL BUT HIS PRAY FREPROOFING AND/OR

  1.5 SHOP PRIME TO COSCIONAL TARGET SHOP PRIME TO STRUCTURAL PRIME TO COSCIONAL STRUCTURAL PRIME TO SHOP PRIME TO STRUCTURAL DOTS SHALL CONFORM TO ASTIMAZIONAL PRIME TO STRUCTURAL PRIME TO STRUCTURAL DOTS SHALL CONFORM TO ASTIMAZIONAL PRIME TO STRUCTURAL PRIME TO ST
- ANCHOR BOLTS: GRADE A307 OR 300M THREADED ROD CONFORMING TO CSA G40.21-M.
  CONCRETE ANCHORS: NELSON STUDS MADE FROM ASTM A-108 COLD ROLLED DEFORMED WIRE
  ETING ASTM A-498.
- MEETING ASTM A-496.

  19. STEEL DECK: CONFORM TO ASTM A653M GRADE A OR B, MINIMUM STEEL CORE THICKNESS OF 0.76 mm (0.030°). ACTUAL STEEL CORE THICKNESS IS TO BE DETERMINED BY THE SUPPLIER'S ENGINEER AND SHALL SATISFY ALL REQUIRED DESIGN CRITERIA. PROTECTIVE COATING WHE COATED STEEL DESIGNATION ZF075
- JESIGNATION 2-075 1.10 NON-SHRINK GROUT = PREMIXED COMPOSITION OF NON METALLIC AGGREGATE, CEMENT, WATER PEDIICING AND PLASTICIZING AGENTS. OF FLOWARI F. CONSISTENCY AND CAPARI F. OF ACHIEVING A
- COMPRESSION TENDENDRIAN CONTROL OF PLOYINGLE CURRIDISENS AND LIPAGE OF ALCHIEVING A COMPRESSIVE STRENGTH AT 28 DAYS OF AT LEAST 35 MPA (5 kgl) 1.11 BLOCK: CONFORM TO CANS-A165 SERIES, MINIMUM COMPRESSIVE STRENGTH = 15.0 MPa (MIN. ASSED ON NET AREA. MORTAR: CONFORM TO CSA A179 TYPE S FOR LOADBEARING WALLS UNLESS NOTED.
- INVESTIGATION OF THE CONFIDENCE OF THE PROPERTY OF THE PROPERT
- WAFERBOARD AND OSB: CONFORM TO CSA-0437
- DESIGN RATED OSB: CONFORM TO CSA-AD452.

  SAWN LUMBER: SPRUCE PINE FIR (S-P-F), NO. 2 GRADE OR BETTER UNLESS NOTED ON INNS. CONFORM TO CSA-0141.

  TIMBER DECKING: SPRUCE PINE FIR (S-P-F), COMMERCIAL GRADE OR BETTER UNLESS NOTED
- RAWINGS. CONFORM TO CSA-0141. STRUCTURAL GLUED-LAMINATED TIMBER: CONFORM TO CSA-0122 AND CSA-0177.
- 1.20 STRUCTURAL COMPOSITE LUMBER: CONFORM TO CSA 086.
  1.21 PLYWOOD: CONFORM TO CSA 0121 (DOUGLAS FIR PLYWOOD) OR TO CSA 0151 (CANADIAN
- GYPSUM WALLBOARD USED AS STRUCTURAL SHEATHING: CONFORM TO TYPE X IN ASTM C36.
- TIMBER I-JOISTS: CONFORM TO CSA 086 NAILS: CSA B111 SCREWS: ASME B18.6.1

### EXECUTION

- FOUNDATIONS
  FOUND ALL FOOTINGS ON SOIL CAPABLE OF SUSTAINING AN UNFACTORED BEARING STRESS OF 75 ist). D ALL FOOTINGS WHICH WILL BE EXPOSED TO FROST ACTION IN THE COMPLETED BUILDING A
- MINIMIAND OF 1200 mm (4-0) SELLOW FINISHED GRADE.

  13 DO NOT EXCEEDED AIRS OF 71 A REINO FO IN THE LINE OF SLOPE BETWEEN ADJACENT FOOTING EXCAUATIONS OR ALONG STEPPED FOOTINGS. FOR STEPPED FOOTINGS, USE STEPS NOT EXCEEDING 60 mm (4-0") (MIN), IN LENGTH.

  14 Place 190 mm dear crushed stone over the sub-base, compacted to 100% SPMDO, with a maximum surface
- ation of +/- 10mm.
  Below slabs on grade backfill using native materials or engineered fill approved by the geotechnical consultant compact in max 150 mm lifs to 98% SPMIDD.

- Below exterior landscaped areas baddil using native materials or free draining materials and compact in ma mile its 98th SPARGO.

  98th SPARGO.

  100 STANDARD PROFESTION, DURING CONSTRUCTION, EOR ALL FOLINDATIONS CHARGE NOT FOLINDATE PROFESTION, DURING CONSTRUCTION, EOR ALL FOLINDATIONS CHARGE NOT FOLINDATE AND ANIMALIAN OF A LYCIDORNI BELOW GOADE FOUND NEW FOOTINGS WHICH ARE LOCATED ADJACENT TO EXISTING FOOTINGS, AT THE SAME JURING AN STEE BESTING FOOTINGS, USES NOTED OTHERWISE OF STEELING THE SAME INSULATION IS SHOWN WHERE REQUIRED FOR PROTECTION OF THE FOLINDATIONS FROM DAMAGE INSULATION IS SHOWN WHERE REQUIRED FOR PROTECTION OF THE FOLINDATIONS FROM DAMAGE.
- O FNOST ACTION ONLY. REPER TO ARCHITECTIONAL DRAWININGS FOR FOUNDATION INSULATION N.
  N ON THE STRUCTURAL DRAWININGS.
  DO NOT PLACE BACKFILL AGAINST WALLS RETAINING EARTH (OTHER THAN CANTILEVER RETAIN)
  SI UNTIL THE WALLS AND THE FLOOR CONSTRUCTION AT TOP AND BOTTOM OF THE WALLS HAVE
- S) DIVIL THE WALLS AND THE FOR CONSTRUCTION AT THE PAND BOTTON OF THE WALLS PAVE CAST AND ATTAINED 100% OF THEIR DESIGN STRENGTH.
  WHERE THE SLAB ON GRADE IS USED TO THE THE TOP OF WALL RETAINING BATH, THAT WALL BE ADEQUATELY BRACED UNTIL THE SLAB HAS BEEN CAST AND ATTAINED 100% OF ITS DESIGN
- NG 1H. CARRY OUT BACKFILLING AGAINST FOUNDATION WALLS WHERE THERE IS GRADE ON BOTH SIDE: CH A MANNER THAT THE LEVEL OF BACKFILLING ON ONE SIDE OF THE WALL IS NEVER MORE THAN
- UCH A MANHER THAT THE LEVEL OF BACKFILLING ON DOME SIDE OF THE WALL IS NEVER MORE THAN DO NOT COMPANY CLOSER THAN ENDOME OF PICHOWAY WITH THE MAY DEPOPMENT. SEL OR DOWN TOOL DEPOPMENT WITHIN 1000 MM (FO) FICH WALLES WITH HEAVY EXPORMENT. SEL OR CHEERER TO THEM. CENTER OF THE MAN OF
- CONCRETE
  THE CONTRACTOR SHALL ENSURE THAT REINFORCING STEEL IS ADEQUATELY BRACED AGAINST
- VENEUR I DURING CURVERETE PLACING.
  Fabricate reinforcement in accordance with CANICSA A23.1 and the RSIC Manual of Standard Prac
  Perform forming operations and place hardware so that finished concrete will be within the biference
- ICSA-A23.1.

  Saw-out slabs on grade as shown with a maximum length between saw-outs of 4.5m (15'-0"). Arrang
- Sale-Cust States Only glade as school well a maximum engan cerevers services on 4.0mt (19-10). Prestate plants as on or to the Consultant's approval.

  After a period of at least 28 days, fill sale-custs with mortar containing cement, sand and latex bonding agent. The president of the fill of the containing cement, and and latex bonding agent. The president of the fill of the containing cement, and and latex bonding agent. FOLLOW MANUFACTURER'S INSTRUCTIONS REGARDING INSTALLATION PROCEDURES AND MINIMUM PROTURER'S INSTRUCTIONS REGARDING INSTALLATION PROCEDURES AND MINIMUM.
- DMENT OF ANCHORS.

  Grout beneath plates bearing on concrete with an approved non-shrink flowable grout. Conform TO the acturer's directions for mixing and placing grout. COMPLETELY FILL YOLDS BENEATH STEEL BASES ON RETEWITH AN APPROVED NON-SHRINK 35 MPa (8xs) GROUT.

  ALL DOWELS SHALL HAVE MINIMUM EMBEDMENT EQUIVALENT TO THE STRAIGHT TENSION
- ALL DOWELS SHALL HAVE MINIMUM EMBEDMENT EQUIVALENT TO THE STRAIGHT TENSION DIMENT LENGTH OR ROOM MIC 2017, WINCHEVER IS GEAFER I, MURE SO NOTED OTHERWISE. PROVIDE DOWELS TO WALLS AND COLUMNS SIMILAR IN NUMBER, SIZE, AND SPACING TO THE CALL STEEL IN THE WALL OR COLUMN ABOVE UNLESS NOTED OTHERWISE. REINFORCEMENT IDENTIFIED AS CONTINUOUS SHALL TERMINATE WITH STANDARD END HOOKS.
- AND SHALL BE LAPPED WITH CLASS 'B' TENSION LAP SPLICES.
  3.11 REINFORCEMENT LENGTHS NOTED IN TYPICAL DETAILS ARE MINIMUM LENGTHS UNLESS NOTED
- VANISHE CONSTRUCTION JOINTS: HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE MADE IN BEAMS, UNLESS SHOWN OR
- PROVED BY THE CONSULTANT. 12.2 HORIZONTAL CONSTRUCTION JOINTS IN WALLS SHALL BE ONLY MADE WHERE SHOWN ON THE
- DRAWINGS. 3.12.3 VERTICAL CONSTRUCTION JOINTS MAY BE MADE ONLY AT MIDSPAN OF BEAMS AND SLABS UNLESS
- IED OTHERWISE

  A SIMILIF PROPOSED LOCATION OF ALL CONSTRUCTION JOINTS FOR REVIEW BY THE CONSULTANT
  OPENINGS, SEEVES, EMBEDDED DUTS:
  1 NO SEEVES SHALL BE PLACED VERTICALLY OR HORIZONTALLY THROUGH BEAMS UNLESS
  INVED AND APPROVED BY THE CONSULTANT.

  SEEVED AND APPROVED BY THE CONSULTANT.

  AND APPROVED BY THE CONSULTANT.

  AND APPROVED BY THE CONSULTANT.
- LAP SPLICES FOR WELDED WIRE FABRIC (WWF) SHALL BE:
- 3.14.2 102X102 WWF 350 MM (11-2")
- 4.3 51X51 WWF 250 MM (10°)
- CONCRETE COVER:

  CONCRETE COVER SHALL BE MEASURED FROM THE DEEPEST POINT TEXTURED CONCRETE SURFACE (OR I. CT/REVEAL). TO THE NEAREST DEFORMATION OF REINFORCEMENT. REINFORCEMENT INCLUDES TIES
- RECELTIFIEVE ALT TO THE REAREST DEFORMATION OF PERFORMEDIENT REINFORCEMENT INCLUDES THE STRENGE'S AND MAN REPROPOCEMENT. STORY AND THE STRENGE AND THE STRENGE AND THE STORY AND THE STORY AND THE STRENGE AND THE STRENG
- CONFORM TO REQUIREMENTS OF CSA.A23.1. AND THE FOLLOWING:
   1 IMMFPHATELY BEFORE PLACING CONCRETE, CLEAN FORMS AND REINFORCEMENT OF FOREIGN
- TER. 1.2 DO NOT USE CONCRETE MIXED MORE THAN TWO HOURS AFTER INTRODUCTION OF MIXING ALEK. 17.1.3 DURING HOT WEATHER CONDITIONS, DO NOT USE CONCRETE MIXED MORE THAN ONE HOUR
- TER INTRODUCTION OF MIXING WATER. 7.1.4. ALLOW 24 HOURS MINIMUM AFTER PLACING CONCRETE IN COLUMNS, PIERS OR WALLS BEFORE ACING CONCRETE IN BEAMS OR SLABS SUPPORTED THEREON.
- PLICURS CURVINE IE IN BEAMS OR SCHAS SUPPORTED HEREIGN.
  3.17.2 PLACE CONCRETE ON AID STEEL DECK FLOORS IN A MANNER THAT AVOIDS PILING UP OF CONCRETE. DO NOT DROP CONCRETE DIRECTLY FROM BUCKETS, BUT EMPLOY SUTTABLE MEANS OF DISTRIBUTION. WET DOWN DECK DURING HOT WEATHER PRIOR TO CONCRETING.
  3.17.2.1 REMOVE CONCRETE SPILED ONTO FORMS AROUND HOISTING EQUIPMENT BEFORE DEPOSITING ICRETE IN THESE AREAS.
- CURING CONCRETE

  1 CURE ALL CONCRETE IN ACCORDANCE WITH CSA A23.1, THE CONCRETE SUPPLIERS IENTS AND AS SPECIFIED HEREIN
- PROTECTION THE REQUIREMENTS OF CSAA23.1. PROTECT FRESHLY DEPOSITED CONCO. COMPONI TO THE REQUIREMENTS OF CSAA23.1. PROTECT FRESHLY DEPOSITED CONCORDETE FREEZING, PREMATURE DRYING AND EXTREMES OF TEMPERATURE. MAINTAIN CONCRETE FREEZING, PREMATURE OF CONCRETE FREEZING, PREMATURE FREE
- INCRETE. 1922 PROVIDE SUFFICIENT INSULATION, AND HEAT AS NECESSARY, TO PREVENT FREEZING OF FROST ISCEPTIBLE SOIL WHICH LIES AGAINST STRUCTURAL FLEMENTS: IN PARTICULAR PROTECT SOIL
- GAULE.
  STRUCTURAL STEEL
  PROVIDE MINIMUM LENGTH OF BEARING OF 200 MM (8") FOR ALL STEEL BEAMS BEARING ON MINIMUM LINGUISTEEL BEAMS BEARING ON MINIMUM MINIMUM 100 MM (4") ON ALL STRUCTURAL STEFL LINGUISTS NOTED.
- CENTRE BEADING DI ATES LINDED BEAMS LINI ESS NOTED OTHERWISE 4.2 CENTRE BEARNO PLATES UNDER BEAMS UNESS NOTED OTHERWISE.

  BEARNO PLATE DEMISSION OF UNITED HIS DEVOLUTION OF UNITED HI

- ALL WELDS EXPOSED TO VIEW SHALL BE GROUND SMOOTH.

  ALL WELDS EXPOSED TO VIEW SHALL BE GROUND SMOOTH.

  INTELS IN ACCORDANCE WITH REQUIREMENTS OF DOCUMENTS OVER DOCRWAYS, OTHER OPENIND RECESSES, INCLUDING THOSE FOR MECHANICAL OR ELECTRICAL SERVICES, IN MASONRY WAI
- AND REVESSES, INCLUDED THE CONTROL TO THE CONTROL OF THE CONSULT OF THE CONSULT OF THE CONSULT OF THE CONSULT OF THE SECTION AND ARE TO BE TESTED BY NON DESTRUCTIVE METHODS, BY AN INDEPENDENT INSPECTION AND TESTING COMPANY, AT THE
- CONNECTIONS: USE TYPES OF SHOP OR FIELD CONNECTIONS SHOWN ON THE DOCUMENTS, OR IN THE ABSENCE CHINFORMATION, USE THE MOST APPROPRIATE TYPE OF CONNECTIONS GIVEN THE APPLIED LOA IE ARRANGEMENT OF MEMBERS.
- D THE ARRANGEMENT OF MEMBERS. 1.2 DESIGN CONNECTIONS TO SAFELY WITHSTAND THE COMBINED PRIMARY EFFECTS OF AXIAL RCE, SHEAR, MOMENT AND TODIOLE AND ANY SECONDARY EFFECTS DUE TO WELDING. 1.3 SHEAR CONNECTIONS SHALL NOT BE LESS THAN ONE HALF THE DEPTH OF THE CONNECTED

- 4.11.4 WHERE NO AXIAL FORCE IS SHOWN FOR BEAM TO COLUMN CONNECTIONS, CONNECT BEAMS FRAMING INTO COLUMNS SUCH THAT THE COMBINED CAPACITIES OF THE CONNECTION ARE ABLE TO DESIGN A TOTAL MORPHONIAL EXPINE OF 2% OF THE FACTOR
- DIRECTION.
  4.1.5 UNLESS NOTED OTHERWISE, THE DESIGN OF ALL BEAMS AND GIRDERS IS BASED ON THE
  ASSUMPTION THAT FASTENER HOLES THROUGH FLANGES WILL NOT EXCEED 16%, OF THE GROPA
  AREA. IF THE AREA OF HOLES EXCEEDS 16%, THE MEMBER SIZE SHALL BE ATTERED OR REINED.
- IRDINGLY.

  DESIGN BRACING MEMBER CONNECTIONS FOR FIELD ADJUSTABILITY TO ACCOMMODATE MAXIMUM. 4.11.5 DESIGN BRACHO MEMBER CONNECTIONS FOR RED ADJUSTMENT TO ACCOMMODITE MAXIMAL CONFIRMATION CHEMPACES AND TO ACHIEF BRACHOR REMOVE SHEEPER SPECIAL REMOVES WHERE SPECIAL REMOVES AND THE ACHIEF BRACHOR REMOVES WHERE SPECIAL REMOVES AND THE ACTION OF THE LEAST REMOVED AND THE LEAST REMOVED OF OVERATION AND THE SEMBLE REMOVED OF OVERATION AND THE DETAMER BETWEEN SHAP OF ANY ACCOMMENDING THE LEAST REMOVED OF OVERATION AND THE SEMBLE REMOVED OF THE SEMBLE REMOV

- DEMAILTO THE LOING DIMENSION OF THE SLOT.

  11.8.3 CONNECTIONS SUBJECT TO FATIGUE OR FREQUENT LOAD REVERSAL; AND 11.8.4 CONNECTIONS WHERE SLIPPAGE CANNOT BE TOLERATED, INCLUDING;
- JIREMENTS OF S16
- WITH THE REQUIREMENTS OF \$16; 4.11.9.1 SLIP-CRITICAL CONNECTIONS, 4.11.9.2 CONNECTIONS GOVERNED BY SE
- 4.11.9.3 [CONNECTIONS FOR ALL ELEMENTS RESISTING CRANE LOADS.]
  4.11.9.4 [CONNECTIONS FOR MEMBERS DIRECTLY SUPPORTING RUNNING MACHINES OR OTHER LIVE OADS THAT PRODUCE IMPACT OR CYCLIC LOAD.1
- LOADS HIM PROJUCE WINEAU OR CYCLIC LOAD.)

  4.11.9.5 CONNECTIONS WHERE BOLTS ARE SUBJECT TO TENSILE LOADS.

  4.11.9.6 CONNECTIONS WHERE BOLTS ARE SUBJECT TO TENSILE LOADS.

  4.11.9.6 CONNECTIONS USING OVERSIZED OR SLOTTED HOLES UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE MOWNEWENT.

  4.12 UNLESS NOTED OTHERWISE ON THE DRAWINGS, PROVIDE A 10 MM (1087) CAP PLATE FOR ALL
- MASONRY
  WHERE DOWELS, ANCHOR RODS, ETC. ARE SHOWN PROJECTING INTO MASONRY, BUILD THESE
- TRATITY WITO MACRONY VOIDS WITH MACRONY GROUT.

  2. BREATH TEEL AND CONCRETE BEAM, 2017S AND TRUSSESS PHOVIDE A MANUAL DEPTH OF 400 PERMIT AND THE PROPERTY OF THE OFFICE THE PROPERTY OF THE P
- ONRY UNITS.

  WHERE A CHANGE IN THICKNESS OF MASONRY OCCURS, GROUT SOLID, OR USE SOLID UNITS FOR A
  HIT OF 200 MM (8") IN THE THICKER PORTIONAT THE CHANGE.

  BUILD MASONRY TIGHTLY WITO WESS OF ALL WALL BEARING STEEL BEAMS AT THEIR POINTS OF
  - BUILD MASONRY TIGHTLY INTO WEBS OF ALL STEEL COLUMNS, UNLESS NOTED OTHERWISE.
  - BUILD MASONRY TIGHTLY AROUND JOIST SHOES FULLY GROUT BLOCK CELLS AT PARAPETS. MAINTAIN SUPPORT OF MASONRY LINTELS FOR A MINIMUM OF SEVEN DAYS OR UNTIL SUFFICIENT

  - 5.10 MANTAN SUPPORT OF MASONRY LINTELS FOR A MINIMAN OF SEVEN LOVS OR UNITLE SUFFICIENT STERRICHTS GRAVE TO SAFELY SUPPORT LODGS MOVED.

    5.11 MROVIDE LINTELS OVER ALL OPENINGS OR RECESSES IN MASONRY WALLS, INCLIDING THOSE FOR ALL OPENINGS OR RECESSES IN MASONRY WALLS, INCLIDING THOSE FOR ALL OF THE SUPPORT OF THE SUPPOR
  - 5.14 REINFORCED MERINGACED SHALL BE KEPT CLEAN OF MORTAR DROPPINGS 5.14.2 GROUT FOR REINFORCED CELLS, BOND BEAMS, LINTELS AND CELLS CONTAINING DOWELS, ANCHOR ROLLTS AND INSERTS SHALL CONCOPINI TO THE REQUIREMENTS OF SECTION E. MATERIALS 5.14.3 PROVIDE MINIMAL 2-14M VERTICALS FULL HEIGHT AT ALL WALL ENDS, CORNERS, INTERSEC AND OPENINGS UNLESS NOTED OTHERWISE
  - 5.14.4 PROVIDE 1-15M VERTICAL FULL HEIGHT EACH SIDE OF CONTROL JOINTS.
  - 5.14.5 PROVIDE DOWELS FROM FOUNDATIONS TO MATCH VERTICAL WALL REINFORCEMENT 5.14.6 PROVIDE CLASS 'B' TENSION LAP LENGTH FOR ALL VERTICAL REINFORCEMENT, INCLUDING
  - PROVIDE A MINIMUM 300 MM (1'-0') LAP FOR WIRE LADDER OR MESH REINFORCEMENT. PROVIDE CLEANOUTS AT THE BASE OF THE WILL TO VERIFY PROPER PLACEMENT OF GROUT IN MAXIMUM 3000 MIG-0") LIFTS IF NO CLEANOUTS ARE PROVIDED, LIMIT POU 2 IDDUCTION (2.0.7)

    14.9 WHEN GROUTING IS STOPPED FOR A PERIOD OF HOUR OR LONGER EXCEPT AT THE TOP OF THE
    ALL FORM A CONSTRUCTION JOINT BY STOPPING THE GROUT POUR A MINIMUM OF 25 MM (11) BRI OW
  - WALL FORM A CURNI NOUTRING STATE CO. 2.5.

    INTEL UPPERMOST UNIT.

    I.14.10. EMBEDDED ITEMS ARE NOT TO INTERFERE WITH THE INTEGRITY OF THE MASONRY WALL OR OCCATION OF REINFORCEMENT, PROVIDE FULLY GROUTED LINTEL BEAMS FOR CONDUITS AND PIPES.
  - NG HORIZONTALLY WITHIN WALL PROVIDE ADEQUATE TEMPORARY BRACING TO MASONRY WALLS UNTIL PERMANENT HORIZONTAL

  - 5.14.1 PROVIDE ADEQUATE TEMPORARY BRACING TO MAGINARY WALLS WITH PERMANENT HORIZONTAL

    DEM
    STRUCTURES AND RESILLED AND ON ARCHINENT SINCE OF WALLS.

    DEM
    STRUCTURES AND RESILLED AND ON ARCHINENT SINCE OF WALLS.

    PROPALLAM BEARS (BTRUCTURAL COMPOSITE LUMBER)

    OF PROPALLAM BEARS (STRUCTURAL COMPOSITE LUMBER)

    AND THE SUPPLIES OF THE PROPALLAM BEARS.

    OF STRUCTURAL BENERALLED COMPOSITE OF THE MANAGETUREST STRUCTURAL ENGINEER

    AND THE SUPPLIES OF THE PROPALLAM BEARS.
- ALL BEAMS SHALL BE PROPERLY STORED ON SITE AND SHALL BE PROTECTED AGAINST EXTENDED EXPOSURE TO SUN AND WATER BY USING STOCKERS (SPACED AT APPROXMATELY 3000 mm (10.4°) DEGUATE TO KEEP PRODUCTS ABOVE GROUND AND OUT OF MUD AND WATER AND BY COVERING RODUCTS WITH POLY SHEETS.
- RAMING IING. BRIDGING, NAILING, PROTECTION, HARDWARE AND OTHER FRAMING DETAILS ARE TO

- SERS, BEAM SEATS, POST ANCHORS, ETC.

  MEMBERS SHALL BE ALIGNED LEVEL AND PLUMB, WITHIN A TOLERANCE OF 1 IN 500.
- MEMBERS SYMPLE DE ALIGNED LEVEL AND PLOTINES, WITHIN A TOLE PRANCE OF 1 IN 500.

  MAKE ADEQUATE PROVISIONS FOR EXPECTION STRESSES AND FOR SUFFICIENT TEMPORARY CONG TO NEEP THE STRUCTURAL FRAME FLUMS AND IN TRUE ALIGNMENT UNIT. THE COMPLETION OF PRESENTED FRAME STATEMENT OF THE TOLERAND WALL SHEATHING.

  FRAME AROUND ALL OPENINGS WITH DOUBLE HEADERS AND TRAINMENS NALED TOGETHER WITH FRAME AROUND ALL OPENINGS WITH DOUBLE HEADERS AND TRAINMENS NALED TOGETHER WITH FRAME AROUND ALL OPENINGS WITH DOUBLE HEADERS AND TRAINMENS NALED TOGETHER WITH THE AROUND THE TOTAL TO THE TOWN THE
- L NUMBER OF LAMINATIONS UNLESS NOTED OTHERWISE. ALL BUILT UP BEAMS TO BE NAILED TOGETHER WITH TWO ROWS OF 89 mm (3½") SPIRAL NAILS AT
- 7.11 ALL BUILT UP BEAMS TO BE MALED TOZETHER WITH TWO ROWS OF 8 mm (87) SPRAL MAILS AT COMM mm (87) or STARRER ROWS 100 PM on 90 THAN DO THAN DO THAN DO THE MAIL SHOW SUPPORTION OF 100 PM on 100 P

- 7.15 PROVIDE DOUBLE FLOOR JOISTS AT ALL NON-LOADBEARING AND LOADBEARING PARTITION WALLS SPANNING PARALLEL TO THE FLOOR
- INDEE/NEWS PHYSITION Y VINELS OF STATEMENTS IN STATEMENTS OF STATEMENTS
- WINDOW & DOOD OPENING < 2100 mm (7.0) · 2 · 38y235 (2y10) No 2
- WINDOW & DOOR OPENING < 3000 mm (10\*0): 3 38/236 (2410) No. 2 PROVIDE 38/38 (222) DIAGONAL CROSS BRIDGING AT MAXIMUM 2100 -11\*) ole UNILESS NOTEO OTHERWISE, FOR ALL SAWN JOIST LOCATION PROVIDE MINIMUM BEARING OF 50 mm (2) F DOR ALL DISTS. PROVIDE MINIMUM BEARING OF 100 mm (4)\* FOR ALL DISTS. NO SAWN LUMBER SHALL BE NOTOTHED OR ROLLE DISTANS.
- HOUT THE PERMISSION OF THE CONSULTANT.
  WOOD IS NOT PERMITTED TO BEAR DIRECTLY ON MASONRY OR
  CRETE WITHOUT PROTECTION, PROVIDE EITHER PRESSURE TREATED
  DO OR A POLYETHELENE SHEET BETWEEN THE WOOD AND MASONRY/
- ALL NAILERS TO BE ANCHORED WITH 12 mm (1/2") DIAMETER ANCHOR S X 300 mm (12") LONG AT 1200 mm (4'-0") ON CENTRES. STAGGER
- POST-INSTALLED ANCHORS
- EXCEPT WHERE INDICATED ON THE DRAWINGS, POST-INSTALLED HORS SHALL CONSIST OF THE FOLLOWING ANCHOR TYPES AS VIVIDED BY HILT (CANADA), CORPORATION.

  ANCHORAGE TO CONCRETE
- ANCHORGE TO CONCRETE
  ADHESIVE ANCHORS FOR CONCRETE USE:
  1 HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HIT-Z ROD FOR FAST.
- URE APPLICATIONS.

  1.1.1.2 HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT
- SYSTEM FOR FAST CURE APPLICATIONS. 8.1.1.1.3 HILTI HIT-RE 500-SD EPOXY ADHESIVE ANCHORING SYSTEM FOR SLOW CURE APPLICATIONS.

  1.1.1.4 HILTI HIT-RE 500 EPOXY ADHESIVE ANCHORING SYSTEM FOR SLOW
- JURE APPLICATIONS.

  1.1.1.5 STELL ANCHOR ELEMENT SHALL BE HILTI HIS-N INTERNALLY
  THREADED INSERTS, HILTI HAS-E CONTINUOUSLY THREADED ROD,
  DR CONTINUOUSLY DEFORMED STEEL REBAR.
- 8.1.1.2 MEDIUM DUTY MECHANICAL ANCHORS FOR CONCRETE USE 8.1.1.2.1HILTI KWIK HUS EZ AND KWIK HUS EZ-I SCREW ANCHORS 8.1.1.2.2HILTI KWIK BOLT-TZ EXPANSION ANCHORS 8.1.1.2.3HILTI KWIK BOLT 3 EXPANSION ANCHORS.
- 8.1.1.3.1HILTI HDA UNDERCUT ANCHORS. 8.1.1.3.2HILTI HSL-3 EXPANSION ANCHORS.
- 8.1.2 REBAR DOWELING INTO CONCRETE 8.1.2.1 ADHESIVE ANCHORS FOR CRACKED AND UNCRACKED CONCRETE
- USE:  $8.1.2.1.1\,$  HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT SYSTEM WITH CONTINUOUSLY DEFORMED REBAR.

  8.12.12.1 HILT HIT-RE 500.5D EPOXY ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY DEFORMED REBAR.

  8.12.13.1 HILT HIT-RE 500.5D EPOXY ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY DEFORMED REBAR.

  8.12.13.1 HILT HIT-RE 500 EPOXY ADHESIVE ANCHORING SYSTEM WITH CONTINUOUSLY DEFORMED REBAR.
- 8.1.3.1 ADHESIVE ANCHORS USE: 8.1.3.1.1HILT1 HIT-HY 70 MASONRY ADHESIVE ANCHORING SYSTEM 8.1.3.1.2 STEEL ANCHOR ELEMENT SHALL BE HILT1 HAS-E CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR.
- 8.1.3.2 MECHANICAL ANCHORS USE
- 8.1.3.2.1HILTI KWIK HUS-EZ SCEW ANCHOR. 8.1.3.2.2HILTI KWIK BOLT-3 EXPANSION ANCHORS
- 8.1.4. ANCHORAGE TO HOLLOW / MULTI-WYTHE MASONRY
  8.1.4.1 ADHESIVE ANCHORS USE:
  8.1.4.1.1HILTH THAY 70 MASONRY ADHESIVE ANCHORING SYSTEM.
  8.1.4.1.2 STEEL ANCHOR ELEMENT SHALL BE HILTH MAS E CONTINUOUSLY
  THREADER DOO ROOTINUOUSLY DEFORMED STEEL REBAR.
  8.1.4.1.3 THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER
  ADHESINE MAINGATURERS RECOMMENDATION.
- 8.2 ANCHOR CAPACITY USED IN DESIGN HAS BEEN BASED ON THI TECHNICAL DATA PUBLISHED BY HILT. SUBSTITUTION REQUESTS FO ALTERNATE ANCHORS MUST BE APPROVED IN WITHIN BY THE CON PRIOR TO USE. CONTRACTOR SHALL PROVIDE CALCULATIONS DEMONSTRATING HAT THE ALTERNATIVE ANCHOR IS CAPABLE OF ACHIEVING THE PERFORMANCE VALUES OF THE SPECIFIED PRODUCT. SUBSTITUTIONS WILL BE EVALUATED FOR COMPLIANCE WITH THE RELEV BUILDING CODE. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE AND INSTALLATION TEMPERATURE.
- INSTALL ANCHORS PER THE MANUFACTURER WRITTEN
- 8.4 OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE HILTI
- ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN CENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. LALANCHORS IN STRICT ACCORDANCE WITH SPACING AND EDGE RANCES INDICATED ON THE DRAWINGS.
- EXISTING REINFORCEMENT IN THE CONCRETE STRUCTURE MAY FLICT WITH SPECIFIC ANCHOR LOCATIONS. UNLESS NOTED ON THE WINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATI
- DOWNROST HAT THE BARS CAN BE CUT THE CONTRACTOR SHALL BENIEW THE EXERTION STRUCTURED, DOWNROST AND SHALL INDEPRIEVE TO LOCATE THE EXERTION STRUCTURED, DOWNROST AND SHALL INDEPRIEVE TO LOCATE THE CONCRETE ANCI-DICE, BY HAIT FERROSCAN, HILL PS 100, GPR, X-RX, CHIPPRO GO THE BENIEVE AND SHALL PROBLEM TO LOST HOS STRUCTURED.

  9. ALTERATIONS AND SHALL PROBLEM TO BE CONDINATED WITH ALL SHALL PROBLEM THE SHALL P
- IRECTED BY THE CONSULTANT.
  5 SHORE EXISTING WORK AS REQUIRED UNTIL ALL NEW WORK HAS
  EEN COMPLETED AND REVIEWED BY THE CONSULTANT.
  6 PROVIDE SLOTTED HOLES AND FRICTION TYPE BOLTED CONNECTIONS CONNECT NEW STEEL TO EXISTING WORK.

  SHORE FLOORS AS REQUIRED TO SUPPORT CRANES, HOISTS AND
  IER CONSTRUCTION EQUIPMENT.

- 9.8 DO NOT CUT CONCRETE REINFORCEMENT UNLESS REVIEWED AND APPROVED BY THE CONSULTANT.
  9.9 WHERE REQUIRED TO AVOID CUTTING EXISTING REINFORCEMENT, MODIFY THE LAYOUT OF NEW THROUGH BOLTS, EXPANSION ANCHORS AND
- 9.10 MAKE GOOD THE EXISTING WORK.
- MANAL GOOD THE EXISTING WORK.

  CUTTING AND CORRING OF EXISTING STRUCTURE
  PRIOR TO CUTTING AND CORRING ANY OPENINGS IN THE EXISTING
  RING, PROVIDE THE CONSULTANT WITH A SLEEPING DRAWING
  ATING THE SIZE AND LOCATION OF OPENING RELATIVE TO BUILDING
  LINES, EXISTING OPENINGS IN THE VICINITY OF THE NEW OPENING
- GRID LINES. EXISTING OPENINGS IN THE VICINITY OF THE NEW OPEN MUST ALSO BE SHOWN.

  10.2 ALL DIMENSIONS PROVIDED TO THE CONSULTANT ARE TO BE CONFIRMED WITH THE APPROPRIATE CONTRACTOR AMERICAN AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMIN
- COMPRISED WITH THE APPROPRIATE CONTRACTOR (MECHANICAL OR ELECTRICAL) PROIST OF LUTHINGCOSMS.

  13. ANY REVISIONS TO THE DIMENSIONS BY THE CONSULTANT MUST BE REVINING BY THE PAPERSHAPE CONTRACTOR PRIOR TO CUITTRACCORNOR REINFORCEMENT AND EMBEDDED SERVICES MUST BE LOCATED PRIOR TO CUITTRACCORNIC, THIS RESPROPRISED HIS TO BE LOCATED PRIOR TO MEANS, I.E. A. RAWNIG, LOCAL CHIPPING OF SLUB, WHERE PERMITTED BY MEANS, I.E. A. RAWNIG, LOCAL CHIPPING OF SLUB, WHERE PERMITTED BY LOCATED TO THE SERVICE PRIOR OF SLUB, WHERE PERMITTED BY LOCATED TO THESE REASON, SORTIFY CONSULTANT WHO WILL REVIEW MAD APPROVE LOCATION PROSE TO CUITTRACCORNIC, MIXE ANY MECESSARY.
- ADJUSTMENTS TO THE HOLE LOCATION AS DIRECTED BY THE CONSULTAR 10.6 FOR ANY OPENINGS WHICH ARE TO BE SAWCUT INTO THE EXISTING STRUCTURE, PRE-DRILL THE CORNERS USING A 100 mm DIAMETER CORE
- STRUCTURE, PRE-CRILL THE CORNERS USING A 100 mm DIAMETER CORE
  PORILL DO MIGTO VERECUT CORNERS OF OPENING

  10.7 ALL PRICES FOR CUTTINGLORING ARE TO INCLUDE ANY COSTS

  ASSOCIATED WITH X-ARVING, CHIPPING, ETC.

  10.8 FOR ANY AREAS WHERE REINFORCEMENT IS CUT, THE CONTRACTOR

  IS TO MIGICATE THE DIRECTION AND LIVER OF REINFORCEMENT ON THE AS
- BUILT SLEEVING DRAWINGS. 10.9 FOR LARGE OPENINGS THROUGH A FLOOR AREA, ADDITIONAL REINFORCEMENT OF THE SLAB MAY BE REQUIRED. THE CONSULTANT WILL ISSUE ADDITIONAL

#### QUALITY CONTROL

- GENERAL IMPLEMENT A SYSTEM OF QUALITY CONTROL TO ENSURE THAT THE IMUM
- NUMBER OF THE ATTENTION OF THE CONSULTANT ANY DEFECTS IN THE WORK OR RES FROM THE CONTRACT DOCUMENTS. WHICH MAY OCCUR.
- DEPARTURES FROM THE CONSULTANT WILL DECIDE UPON CORRECTIVE ON AND GIVE RECOMMENDATIONS IN WRITING.

  THE CONSULTANT'S GENERAL REVIEW DURING CONSTRUCTION AND ECTION AND
- INSPECTION AND TESTING BY INDEPENDENT INSPECTION AND TESTING AGENCIES REPORTIN INSULTANT ARE BOTH LINDERTAKEN TO INFORM THE OWNER/CLIENT OF TRACTOR'S DEDECIDMANCE AND SHALL IN NO WAY ALIGMENT THE
- CONTRACTOR'S QUALITY CONTROL OR RELIEVE THE CONTRACTOR OF CONTRACTUAL NOTIFICATION PRIOR TO COM IMENCING SIGNIFICANT SEGMENTS OF THE WORK, GIV
- THE CONSULTANT AND INDEPENDENT INSPECTION AND TESTING COMPANIES APPROPRIATE NOTIFICATION (MINIMUM 24 HOURS) SO AS TO AFFORD THEM REASONABLE OPPORTUNITY TO REVIEW THE WORK. FAILURE TO MEET THIS REQUIREMENT MAY BE
- IREVIEW THE WORK. FALLINE TO MEET IT HIS DESUMPERS.

  JUST FOR THE

  MISULTANT TO CLASSIFY THE WORK AS DEFECTIVE.

  DEFECTIVE MERRIALS AND WORK

  WHERE EVIDENCE EXISTS THAT DEFECTIVE WORK HAS OCCURRED OR

  ATT WORK HAS BEEN CASHED OUT INCOPPORATING DEFECTIVE

  ATERIALS, THE CONSULTANT MAY HAVE TESTS, INSPECTIONS OR SURVEYS

  ATERIALS, THE CONSULTANT MAY HAVE TESTS, INSPECTIONS OR SURVEYS

  TO THE CONSULTANT MAY HAVE TESTS AND SECRET AS TERMANT. MATERIALS, THE CONSULTANT MAY HAVE TESTS, INSPECTIONS OR SURVEYS PERFORMED, ANALYTICAL CALCULATIONS OF STRUCTURAL STRENGTH FOR ANALYTICAL CALCULATIONS OF STRUCTURAL STRENGTH MUST BE CORRECTED OR REPLACED. TESTS, INSPECTIONS, SURVEYS, CALCULATIONS CARRIED OUT INDER THESE CIRCUMSTANCES WILL EMADE AT THE CONTRACTOR'S EXPENSE, REGARDLESS OF THEIR RESULTS, WHICH MAY BE SUCH THAT, IN THE CONSULTANT SOPRION, THE WORK MAY WHICH MAY BE SUCH THAT, IN THE CONSULTANT SOPRION, THE WORK MAY
- CEPTABLE.
  ALL TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE ALL TESTING SMALL BE CONDUCTED IN ACCORDANCE WITH THE EQUIPMENTS OF THE BUILDING CODE, EXCEPT WHERE THIS WOULD, IN THE CONSULTANT'S OPINION, CAUSE UNDUE DELAY OR GIVE RESULTS NOT SEPRESENTATIVE OF THE REJECTED MATERIAL IN PLACE. IN THIS CASE, I SIVEN BY THE CONSULTANT. GIVEN BY THE CONSULTANT.

  3.3 MATERIALS OR WORK WHICH PAIL TO MET SPECIFIED RECOURSEANTS, MAY REQUESTED AND THE CONSULTANT WHEREVER REQUESTED AND THE CONSULTANT WHEREVER REGARDLESS OF PREVIOUS REPORTION. F. RELECTED DETECTIVE REGARDLESS OF PREVIOUS REPORTION, F. RELECTED, DETECTIVE REPORTION OF THE CONSULTANT, DEPORTION OF THE CONSUL

**PROJECT** D-25-01 -WARK-LEWIS -KAYZEE - WD -

NO.	DESCRIPTION	BY	DATE
1	FOR CLIENT/CONTRACTOR REVIEW	AV	04/04/2025
2	FOR PERMIT	AV	04/17/2025
3	REV No. 1 FOR PERMIT(TN)	AV	06/11/2025
4	REV No. 2 FOR PERMIT(TN-VARIANCE)	AV	12/12/2025
5			
6			
7			

**JAN 2025** 

#### CLIENT

WARK - LEWIS **BOATHOUSE** 

### LOCATION

3-1004 SUMMIT ROAD. TOWNSHIP of the MUSKOKA LAKES, ON

SHEET TITLE **GENERAL NOTES** 



4-115 FIRST STREET.

COLLINGWOOD, ON.

SUITE 405

L9Y 4W3

(705) 994-3075

DATE 12/12/2025

**SCALE** 

SHEET NO.

A - 9

DRAWN BY A.V.

S ADAM VOKES MOUNTAINSIDE DESIGN

THE UNDERSIGNED HAS REVIEWED

AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS

AND MEETS THE REQUIREMENTS SET

OUT IN THE ONT, BUILDING CODE TO BE

REQUIRED UNLESS DESIGN IS EXEMPT

UNDER DIVISION 'C' SECTION 3.2 OF

THE O.B.C.

SIGNATURE