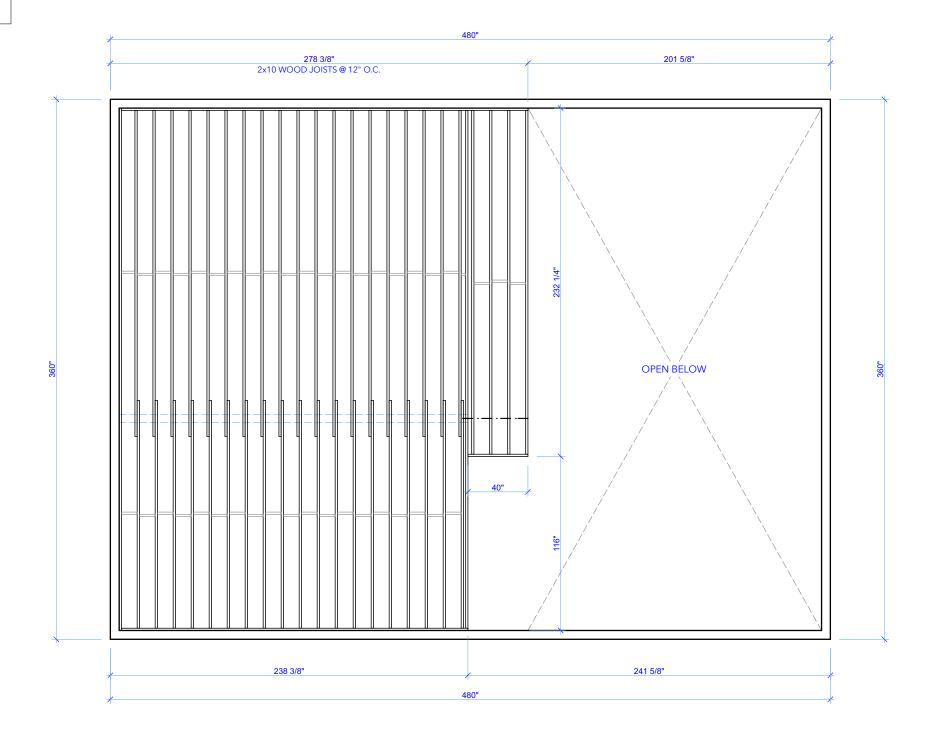


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PLEASE REFER TO MANUAL FOR STORAGE

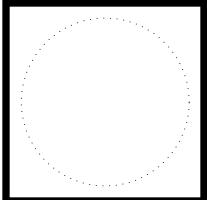


2 LOFT JOIST PLAN
SCALE: 3/16" = 1'-0"

FINAL



KNOTTY PINE CABINS



AGATE CABIN

Baynes Lake, BC

LOFT JOIST LAYOUT

PROJECT NO:

NO: #**Pln** 2021-04-22

DATE:

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APPROVAL STAMPS

A-2 SHEET 2 OF 10 CUSTOMER IS TO BE RESPONSIBLE FOR ALL STAIN/ WOOD TREATMENT AND APPROPRIATE STORAGE OF MATERIALS/COMPONENTS UPON ARRIVAL ON SITE.

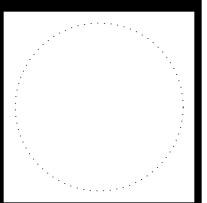
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PLEASE REFER TO MANUAL FOR STORAGE

FINAL



KNOTTY PINE CABINS



AGATE CABIN

Baynes Lake, BC

LOFT FLOOR PLAN

627 Sq. Ft.

PROJECT NO:

NO: #**Pln** 2021-04-22

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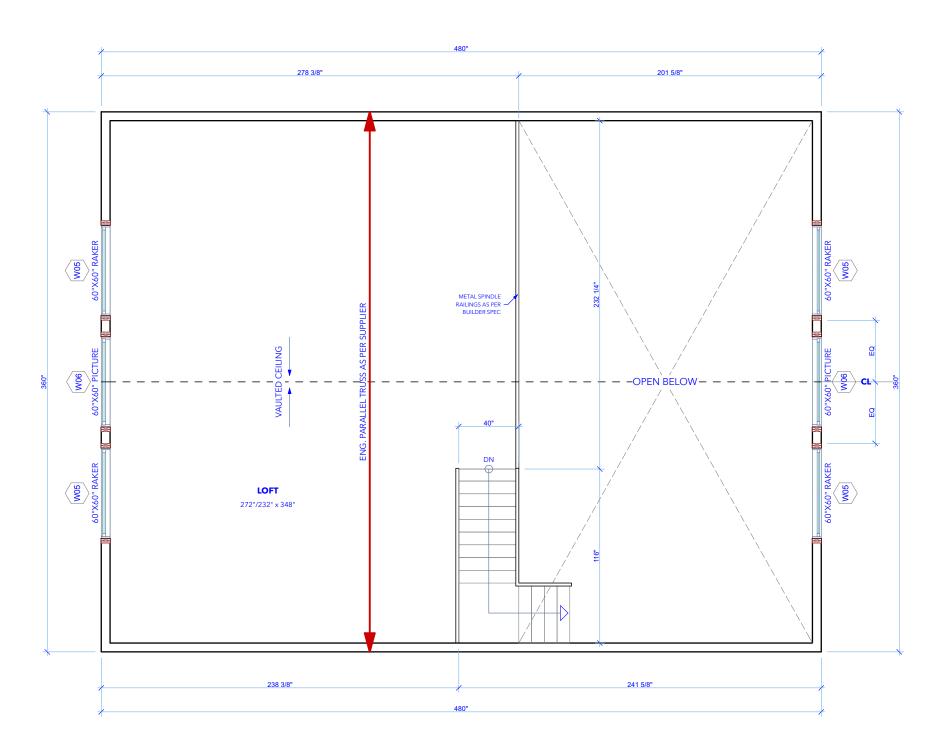
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APPROVAL STAMPS

A-3

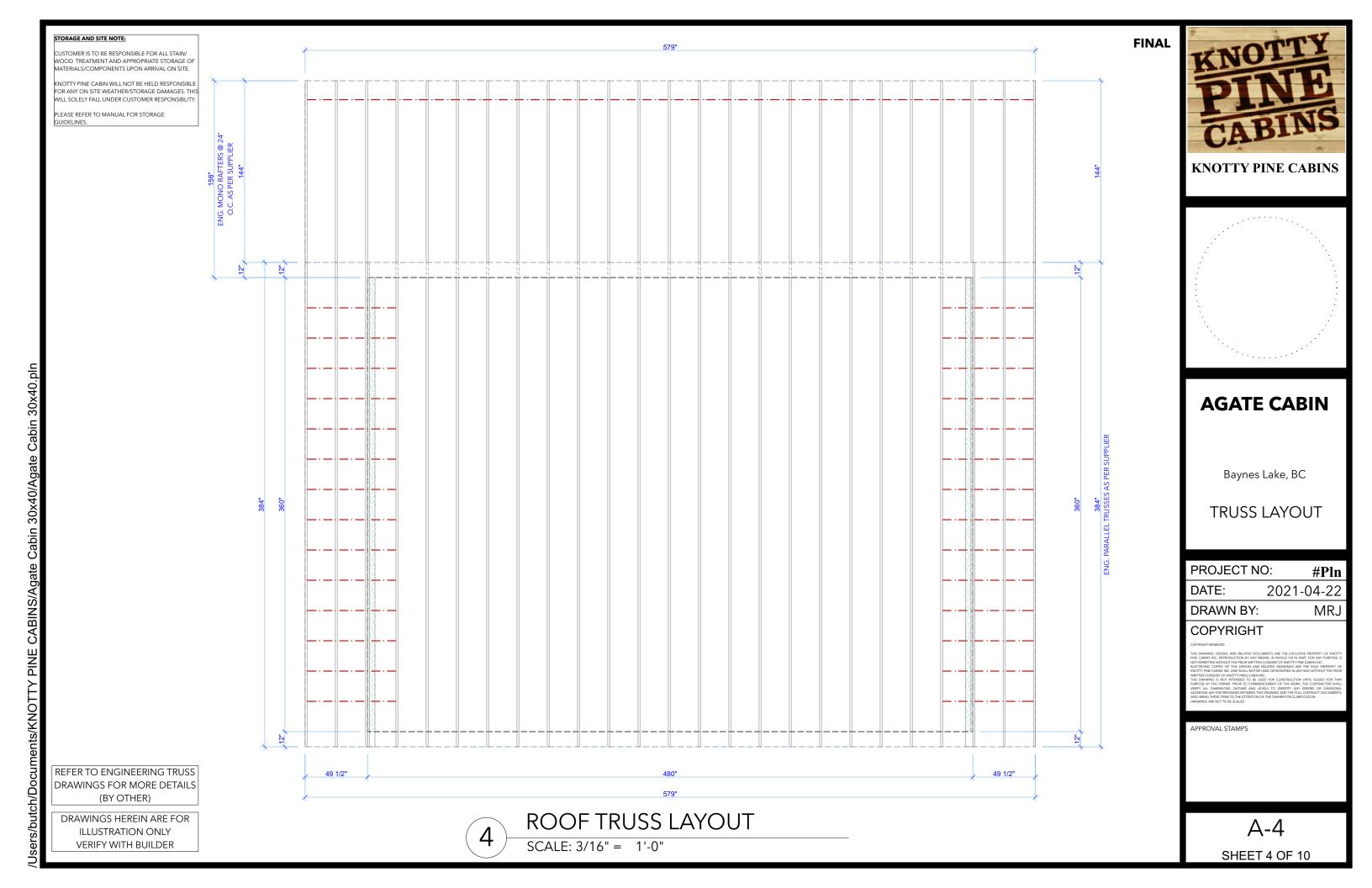
SHEET 3 OF 10

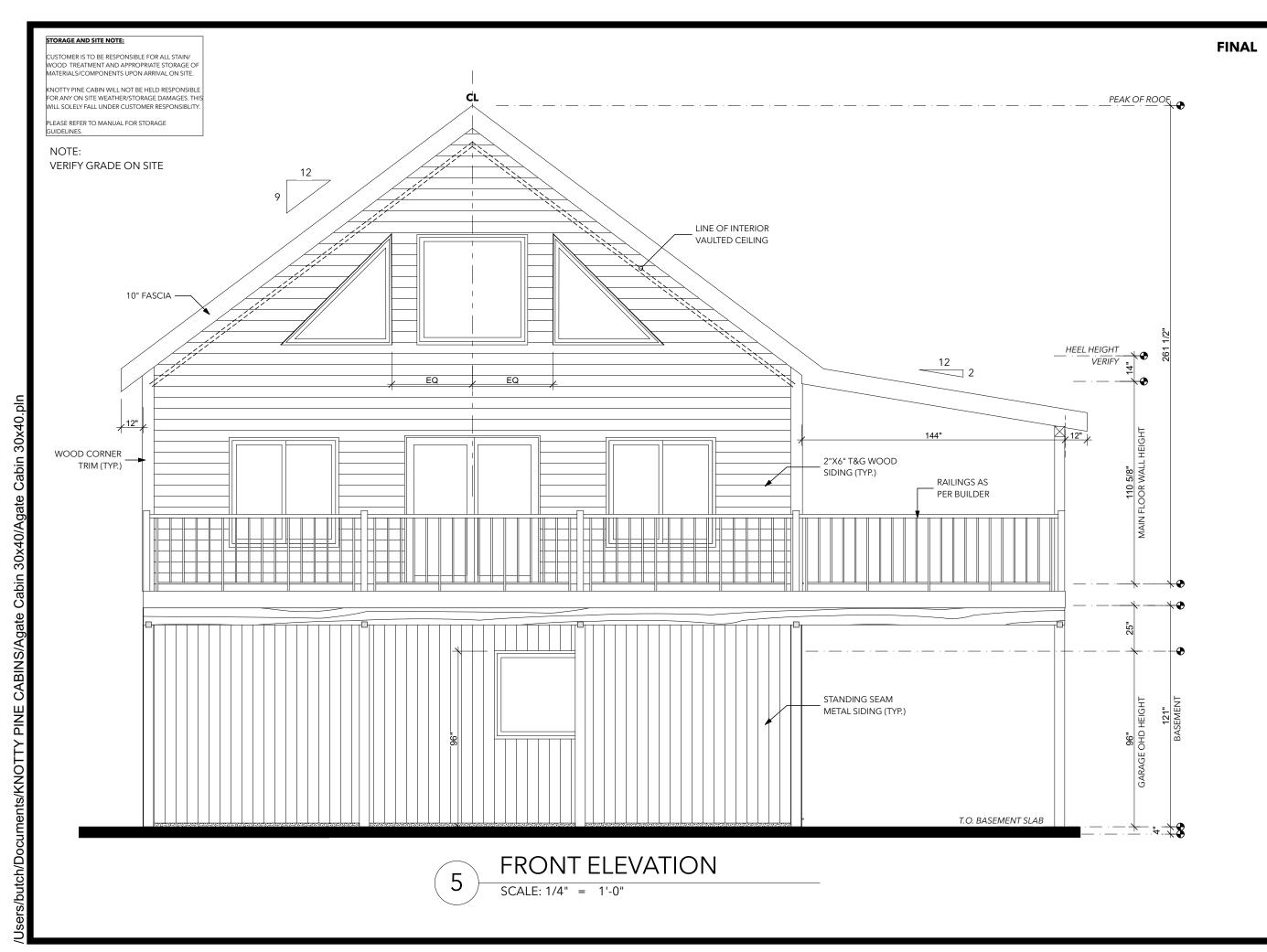


3

LOFT FLOOR PLAN

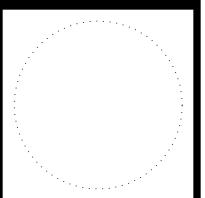
SCALE: 3/16" = 1'-0"







KNOTTY PINE CABINS



AGATE CABIN

Baynes Lake, BC

FRONT ELEVATION

PROJECT NO:

): #Pln

DATE:

2021-04-22

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APPROVAL STAMPS

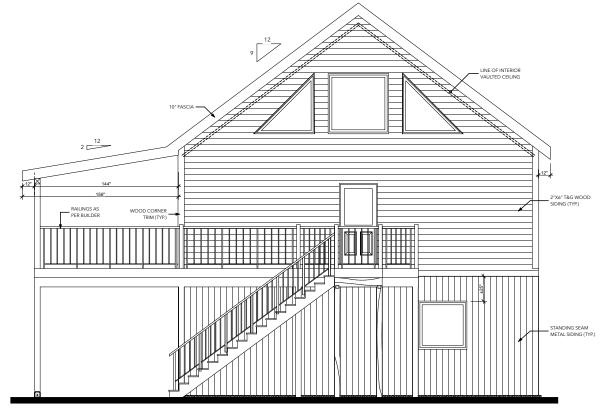
A-5 SHEET 5 OF 10

NOTTY PINE CABIN WILL NOT BE HELD RESPONSIBLE FOR ANY ON SITE WEATHER/STORAGE DAMAGES. THIS

PLEASE REFER TO MANUAL FOR STORAGE

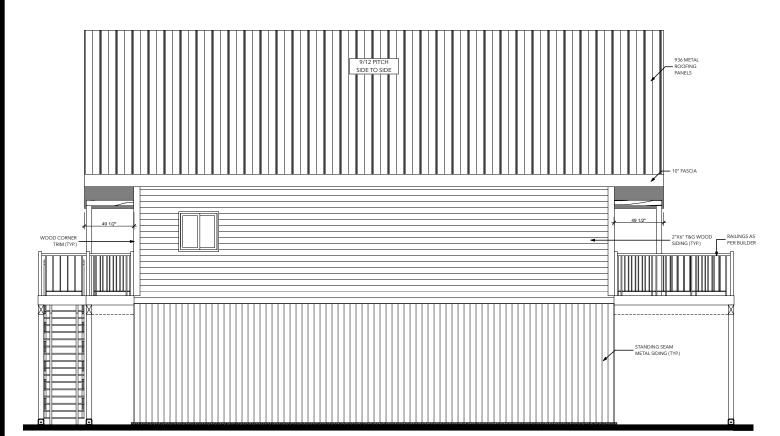
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VERIFY GRADE ON SITE



REAR ELEVATION

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



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

GENERAL NOTES

1. ALL WORK SHALL BE IN ACCORDANCE TO N.B.C. 2015, BRITISH COLUMBIA BUILDING CODE 2018 & ENGINEERING DESIGN IN WOOD CSA-086-14.

2. ALL WOOD SECTIONS IN FLOOR/DECK/WALL/ROOF/ FRAMING ARE TO BE S.P.F. GRADE NO. 1/NO. 2 U.N.O.

3. REFER TO KNOTTY PINE CABINS INC. INSTALLATION MANUAL FOR FURTHER CONNECTION DETAILS. 4. SPECIFIED LOADS:

1/50 HOURLY WIND PRESSURE = 0.35 kpa 1/10 HOURLY WIND PRESSURE = 0.27 kpa GROUND SNOW LOAD Ss = 3.0 kpa, Sr = 0.2 kpa FLOOR LIVE LOAD = 1.9 kpa

5. USE 2 PLY - 2X4 LINTELS ABOVE ALL INTERIOR WALL OPENINGS & AT STAIR LANDING U.N.O.

6. USE 3 PLY - 2X6 LINTELS ABOVE ALL EXTERIOR OPENINGS

7. VERIFY ALL SHOWN DIMENSIONS PRIOR TO STARTING CONSTRUCTION 8. FOR SIDELAP CONNECTION OF STEEL ROOFING PANELS USE NO. 8 SCREWS @ 8" O.C.

9. AT GABLE ENDS, INSTALL ALL NECESSARY BLOCKING BETWEEN STEEL ROOFING TO BLOCKING USING NO. 10 SCREWS @ 8" O.C. 10. SHOP-BUILT WALL PANELS SHALL HAVE ONLY ONE TOP PLATE DURING

INSTALLATION, PROVIDE ADDITIONAL SECOND TOP PLATE ON TOP WITH 4 FT. LONG END EXTENDED OVERLAP.

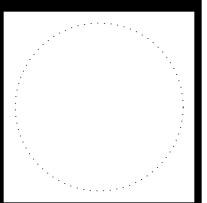
11. AT CENTER LINE BETWEEN FRONT WALL PANELS, TIE WALL STUDS USING 1/2"Ø THROUGH BOLT @ 16" O.C. MAX.

12. INSTALL 4 PLY - 2X12 PLATES ABOVE THE 2X6 PLATE FOR FRONT WALL

FINAL



KNOTTY PINE CABINS



AGATE CABIN

Baynes Lake, BC

ELEVATION(REAR & LEFT)

#Pln

MRJ

PROJECT NO:

2021-04-22 DATE:

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APPROVAL STAMPS

A-6 SHEET 6 OF 10 CUSTOMER IS TO BE RESPONSIBLE FOR ALL STAIN/ WOOD TREATMENT AND APPROPRIATE STORAGE OF MATERIALS/COMPONENTS UPON ARRIVAL ON SITE.

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PLEASE REFER TO MANUAL FOR STORAGE

NOTE:

VERIFY GRADE ON SITE



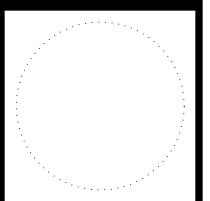
RIGHT ELEVATION

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

FINAL



KNOTTY PINE CABINS



AGATE CABIN

Baynes Lake, BC

RIGHT ELEVATION

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APPROVAL STAMPS

A-7
SHEET 7 OF 10

STORAGE AND SITE NOTE:

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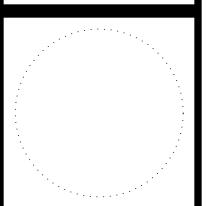
PLEASE REFER TO MANUAL FOR STORAGE GUIDELINES.

FINAL

REFER TO ENGINEERING TRUSS & JOISTS DRAWINGS FOR MORE **DETAILS (BY OTHER)** REFER TO ENGINEERING FOUNDATION DRAWINGS FOR MORE DETAILS (BY OTHER)



KNOTTY PINE CABINS



AGATE CABIN

Baynes Lake, BC

SECTION

PROJECT NO:

2021-04-22

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DATE:

APPROVAL STAMPS

A-8 SHEET 8 OF 10

ROOF CONSTRUCTION EXT. WALL CONSTRUCTION:
2X6 T&G STRIPS
BUILDING WRAP (TYVEK)
3/8" EXT. PLYWOOD
2X6 STUDS @ 24" O.C.
W/ 2LB SPF CLOSED CELL
SMART VAPOUR RETARDER
3/8" INT. PLYWOOD
(FRONT WALL ONLY) 936 METAL ROOFING PANELS - ICE SHIELD 1/2" PLYWOOD ENG. TRUSSES @ 24" O.C. VAULTED CEILING 1X6 T&G STRIPS 49 1/2" LOFT FLOOR CONSTRUCTION: 49 1/2" - 3/4" PLYWOOD ON 2X10" WOOD JOISTS @ 12" O.C. 4-2X12 — WIND DEFLECTOR AS PER BUILDER - 6X6 TIMBER POST RAILINGS AS PER BUILDER SPEC MAIN FLOOR CONSTRUCTION: 3/4" PLYWOOD ON
6 MIL POLY VAPOUR BARRIER
11 7/8" ENG. I-JOISTS @ 16" O.C.
AS PER SUPPLIER C/W 2LB CLOSED CELL SPF INSUL. 5/8" TYPE X DRYWALL 3 PLY 2x10 SPF #2 BEAM ---ENG. DROPPED BEAM AS PER MANUFACTURER TIMBER POST ON TELEPOST & - CONC. SLAB ENG. SONOTUBE W/ CONCRETE FOOTING AS SPECIFIED BY OTHER AS PER ENGINEER EXT. WALL CONSTRUCTION: ADJACENT TO GARAGE WALL CONSTRUCTION: STANDING SEAM METAL SIDING BUILDING WRAP (TYVEK)

- 3/8" EXT. PLYWOOD

2X6 STUDS @ 24" O.C.

W/ 2LB SPF CLOSED CELL 5/8" TYPE X DRYWALL - 2X6 STUDS @ 24" O.C. W/ 2LB SPF CLOSED CELL SMART VAPOUR RETARDER 1X6 T&G STRIPS 4" 32 Mpa CONC. SLAB R/W 10M BARS @ 16" O.C. EACH WAY ON -6MIL POLY VAPOUR BARRIER & 8" COMPACTED FILL SMART VAPOUR RETARDER 1X6 T&G STRIPS METAL SADDLE BRACKET -ICF WALL FOUNDATION ON CONTINUOUS
CONCRETE STRIP FOOTING AS PER = 4" DIAMETER WEEPING MANUFACTURER SPEC **VERIFY GRADE ON SITE SECTION** SCALE: 3/16" = 1'-0"

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NOTE:

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In Compliance to Canada NBC Sec. 9.36 REQUIREMENTS: (With HRV) **Energy Efficiency in Housings and Small Buildings Exterior Wall (Front)** Exterior Wall (Side) RSI=3.08 Rvalue=17.50 Rvalue=20.72 RSI=3.57 Rvalue=20.27 Roof Assembly (Cathedral) RSI=4.67 Rvalue=26.50 Zone 6- WITH H.R.V. Baynes Lake, BC Main Floor Assembly RSI=5.70 Rvalue=32.36 RSI=5.33 Rvalue=30.24 Wall adjacent to Garage RSI=2.92 Rvalue=16.60 Cabin w/ Dormer Loft + Garage rescriptive Path **Wall Adjacent to Garage** ICF Foundation RSI=3.45 Rvalue=19.60 RSI= T&G Strips Exterior Living Space environments Rvalue= Floor over unheated space RSI=4.51 Rvalue=25.60 EXTERIOR BASEMENT WALL R-VALUE EXTERIOR SIDE WALL RSI EXTERIOR FRONT WALL RSI R-VALUE COMPOSITION COMPOSITION COMPOSITION 1. OUTSIDE AIR FILM 0.17 1. OUTSIDE AIR FILM 0.03 0.17 1. OUTSIDE AIR FILM 2. STANDING SEAM METAL 0.00 0.00 2. 2X6 T&G STRIPS 0.14 0.80 2. 2X6 T&G STRIPS SIDING 3 3/8" EXTERIOR PLYWOOD 0.08 0.45 3 3/8" EXTERIOR PLYWOOD 3. 3/8" FXTERIOR PLYWOOD 0.08 0.45 4. 2X6 STUDS @ 24" O.C. WITH 4. 2X6 STUDS @ 24" O.C. WITH 17.37 4. 2X6 STUDS @ 24" O.C. WITH 5.2 LB SPF INSULATION 3.06 5.2 LB SPF INSULATION

0.00

0.14

0.12

3.57

RSI

0.03

0.00

0.00

0.11

5.28

0.00

0.03

0.14

0.11

5.70

0.00

0.80

0.68

20.27

R-VALUE

0.17

0.00

0.00

0.62

30.00

0.00

0.17

0.62

32.36

6. VAPOUR RETARDER

8. INTERIOR AIR FILM

VAULTED CEILING

3. ICE SHIELD

5. 1" AIR VENT

8. AIR SPACE

4. 1/2" PLYWOOD

1. OUTSIDE AIR FILM

2 936 METAL ROOFING

7. 1X6 T&G PINE STRIPS

EFFECTIVE RSI/R-VALUE TOTAL

ROOF+ CEILING COMPOSITION

6. PRE-ENG. TRUSSES @24" O.C.

7. THERMAL IGNITION BARRIER

EFFECTIVE RSI/R-VALUE TOTAL

W/R30 2LB SPF INSULATION

9. 1X6 T&G PINE STRIPS

10. INTERIOR AIR FILM

WINDOWS & DOOR SCHEDULE						
DOOR TYPE	ACTION	QTY.	R.O.			
72" PATIO DOOR	SLIDING	1	VERIFY			
36" FULL EXT. DOOR	AS SHOWN	2	38 1/2"			
36" 1/2 LITE DOOR	AS SHOWN	1	38 1/2"			
32" INTERIOR DOOR	VERIFY	4	VERIFY			
28" INTERIOR DOOR	VERIFY	3	VERIFY			
32" OPENING	AS SHOWN	1	VERIFY			
9' O.H. GARAGE DOOR	OVERHEAD	1	VERIFY			
14' O.H. GARAGE DOOR	OVERHEAD	1	VERIFY			
36" FULL EXT. DOOR	AS SHOWN	2	38 1/2"			

17.37

0.00

0.80

0.68

19.47

R-VALUE

0.17

0.56

17 37

0.00

0.80

0.68

19.60

3.06

0.00

0.14

0.12

3.43

RSI

0.10

3.06

0.00

0.14

0.12

3.45

DOORS U-VALUE

5.2 LB SPF INSULATION

7. 1X6 T&G PINE STRIPS

EFFECTIVE RSI/R-VALUE TOTAL

BASEMENT WALL ADJACENT

TO GARAGE COMPOSITION

3, 2X6 STUDS @ 24" O.C. WITH

EFFECTIVE RSI/R-VALUE TOTAL

1. GARAGE SIDE AIR FILM

2.5/8" TYPE X DRYWALL

4 2 LB SPE INSULATION

6 1X6 T&G PINE STRIPS

5. VAPOUR RETARDER

7. INTERIOR AIR FILM

6. VAPOUR RETARDER

8. INTERIOR AIR FILM

D1

72" PATIO DOOR= 0.86 6'-0" X 6'-8" FIBER CLASSIC OAK SOLID PANE



36" FULL LITE PANEL DOOR= 0.86 3'-0" X 6'-8" FIBER CLASSIC OAK SOLID PANE



36" 1/2 LITE PANEL DOOR= 0.86 3'-0" X 6'-8" FIBER CLASSIC OAK SOLID PANE



OVERHEAD GARAGE DOOR (VERIFY WITH THE SUPPLIER)



OVERHEAD GARAGE DOOR (VERIFY WITH THE SUPPLIER)

	WINDOW TYPE	QTY.	R.O.	
⟨w01⟩	60X60 SLIDERS	2	61"X61"	
W02	40X40 SLIDERS	2	41"X41"	
W03	36X36 SLIDERS	1	37"X37"	
W04	48X48 PICTURE	2	49"X49"	
W05	60X60 RAKERS	4	61"X61"	
(W06)	60X60 PICTURE	2	61"X61"	

6. VAPOUR RETARDER

8. 1X6 T&G PINE STRIPS

EFFECTIVE RSI/R-VALUE TOTAL

OVER GARAGE COMPOSITION

4. 11 7/8" ENG. FLOOR I-JOIST

5. 2 LB SPF CLOSED CELL INSUL

EFFECTIVE RSI/R-VALUE TOTAL

7 5/8" TYPE X DRYWALL

8. GARAGE SIDE AIR FILM

9. INTERIOR AIR FILM

7. 3/8" PLYWOOD

2. FLOOR FINISH

3. 3/4" PLYWOOD

@ 16" O.C. C/W

6. AIR SPACE

WINDOWS U-VALUE

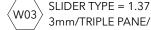


SLIDER TYPE = 1.37

3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE



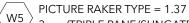
SLIDER TYPE = 1.37 3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE



3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE



FIXED PICTURE TYPE = 1.37 3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE



3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE



FIXED PICTURE TYPE = 1.37

NOTE: INCLUDES ALL FLOORS & GARAGE FLOOR OPENINGS

FINAL

R-VALUE

0.17

0.80

0.45

17.37

0.00

0.45

0.80

0.68

R-VALUE

0.90

0.17

27.37

0.17

0.56

0.17

30.24

0.03

0.14

0.08

3.06

0.00

0.08

0.14

0.12

0.03

4.82

0.03

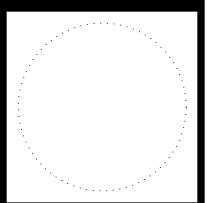
0.10

0.03

5.33



KNOTTY PINE CABINS



AGATE CABIN

Baynes Lake, BC

DETAILS & CALCULATIONS

PROJECT NO:

#Pln

MR.

DATE:

2021-04-22

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SHEET 9 OF 10

