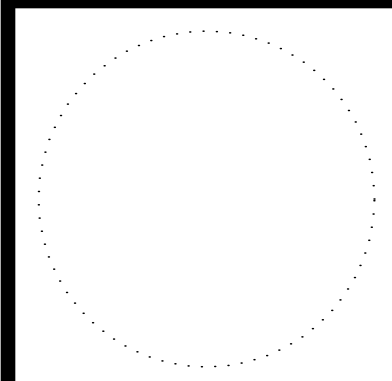


FINAL



KNOTTY PINE CABINS



**AGATE CABIN**

Baynes Lake, BC

**MAIN FLOOR PLAN**

M/F 1,200 Sq. Ft.

PROJECT NO: #Pln

DATE: 2021-04-22

DRAWN BY: MRJ

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APPROVAL STAMPS

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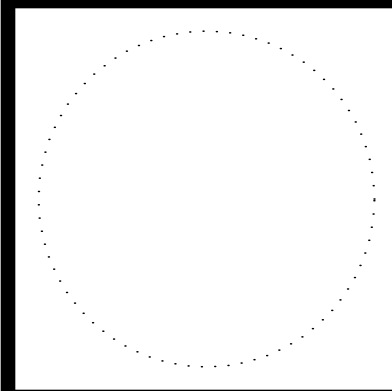
**1 MAIN FLOOR PLAN**  
SCALE: 3/16" = 1'-0"

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FINAL



KNOTTY PINE CABINS



AGATE CABIN

Baynes Lake, BC

LOFT JOIST LAYOUT

PROJECT NO: #Pln

DATE: 2021-04-22

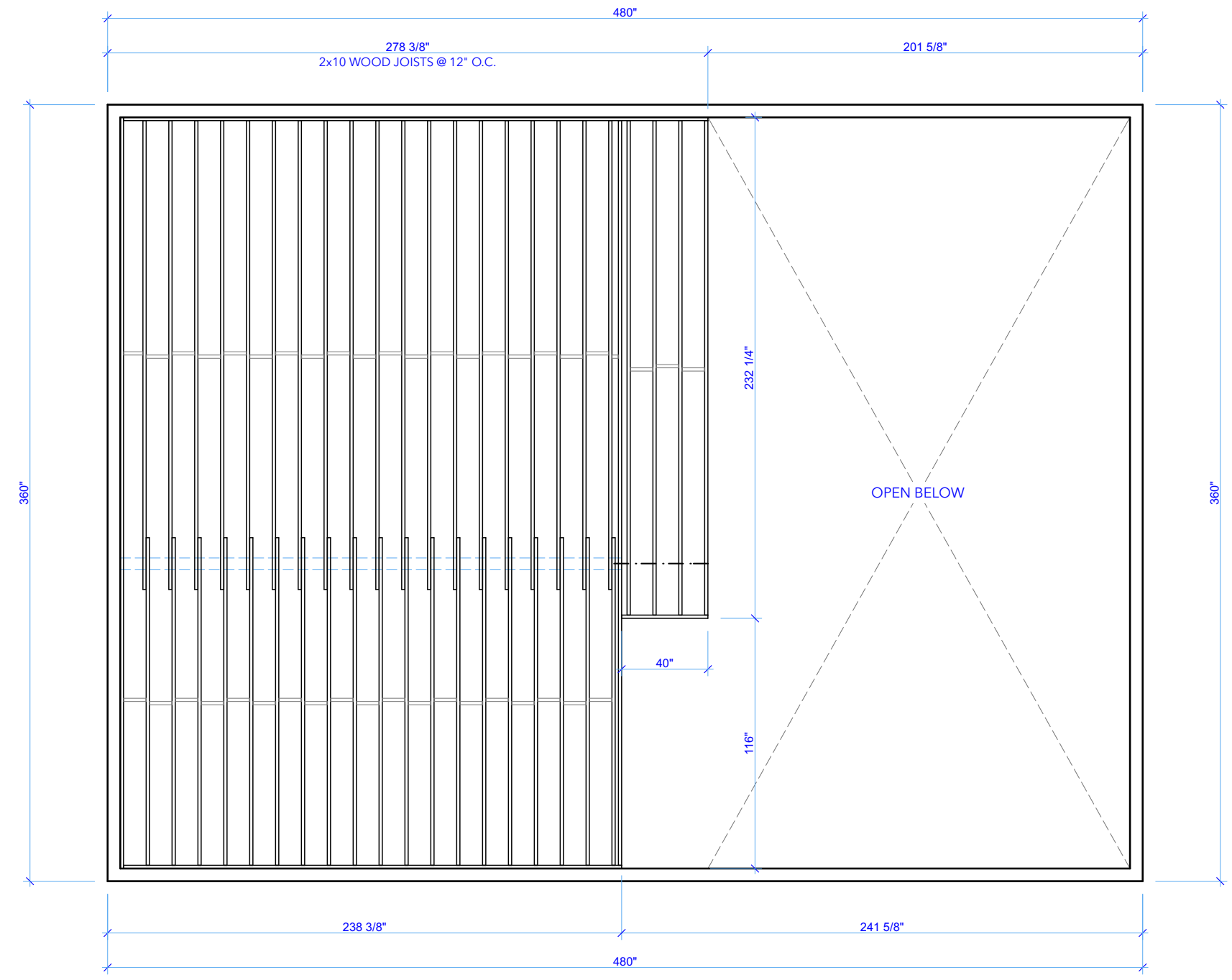
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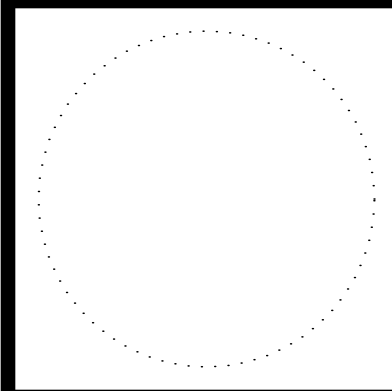
A-2  
SHEET 2 OF 10



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

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FINAL



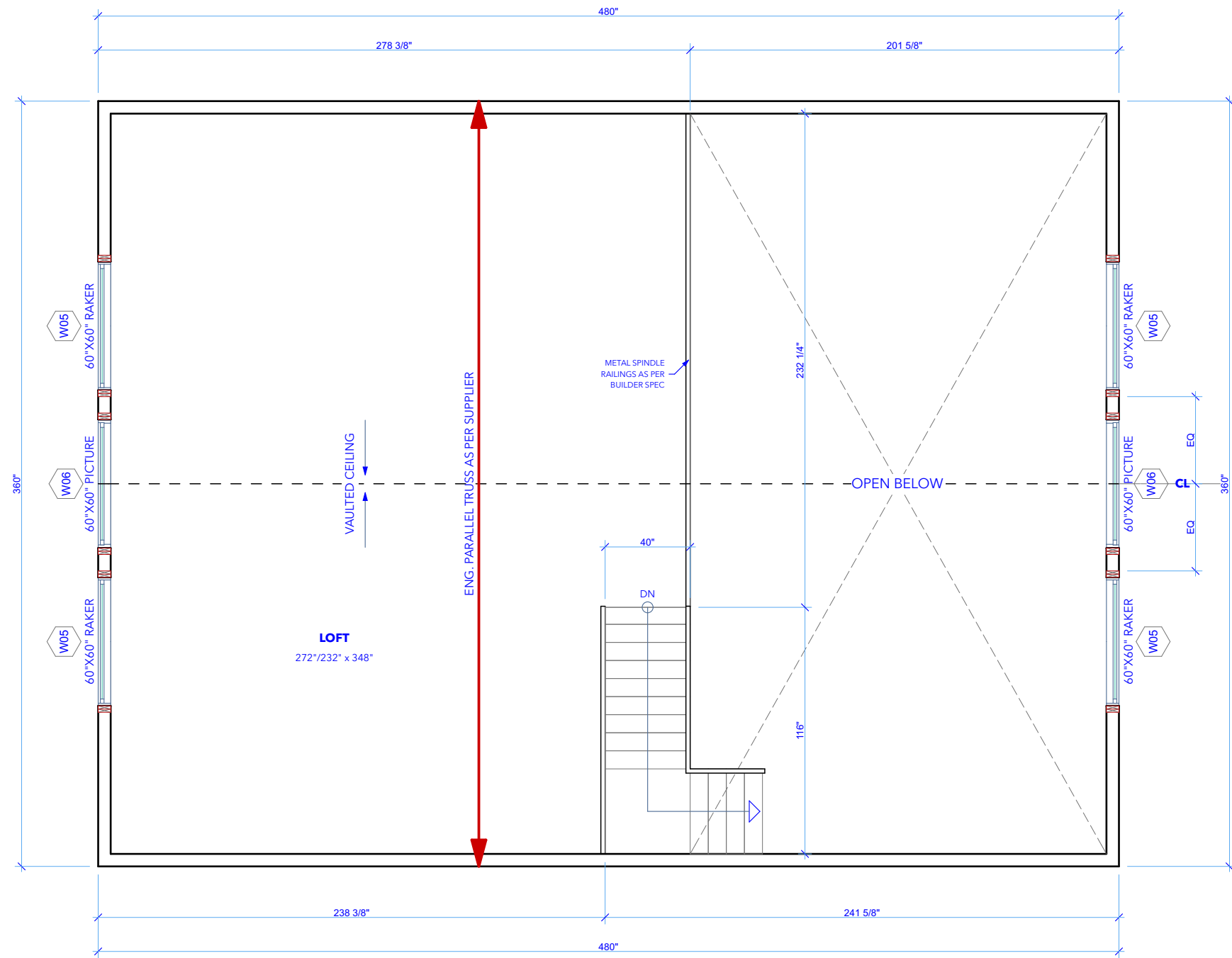
**AGATE CABIN**  
 Baynes Lake, BC  
**LOFT FLOOR PLAN**  
 627 Sq. Ft.

PROJECT NO: **#Pln**  
 DATE: 2021-04-22  
 DRAWN BY: MRJ

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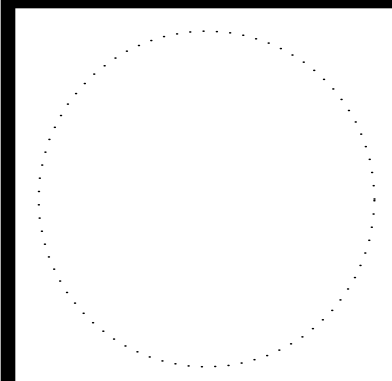
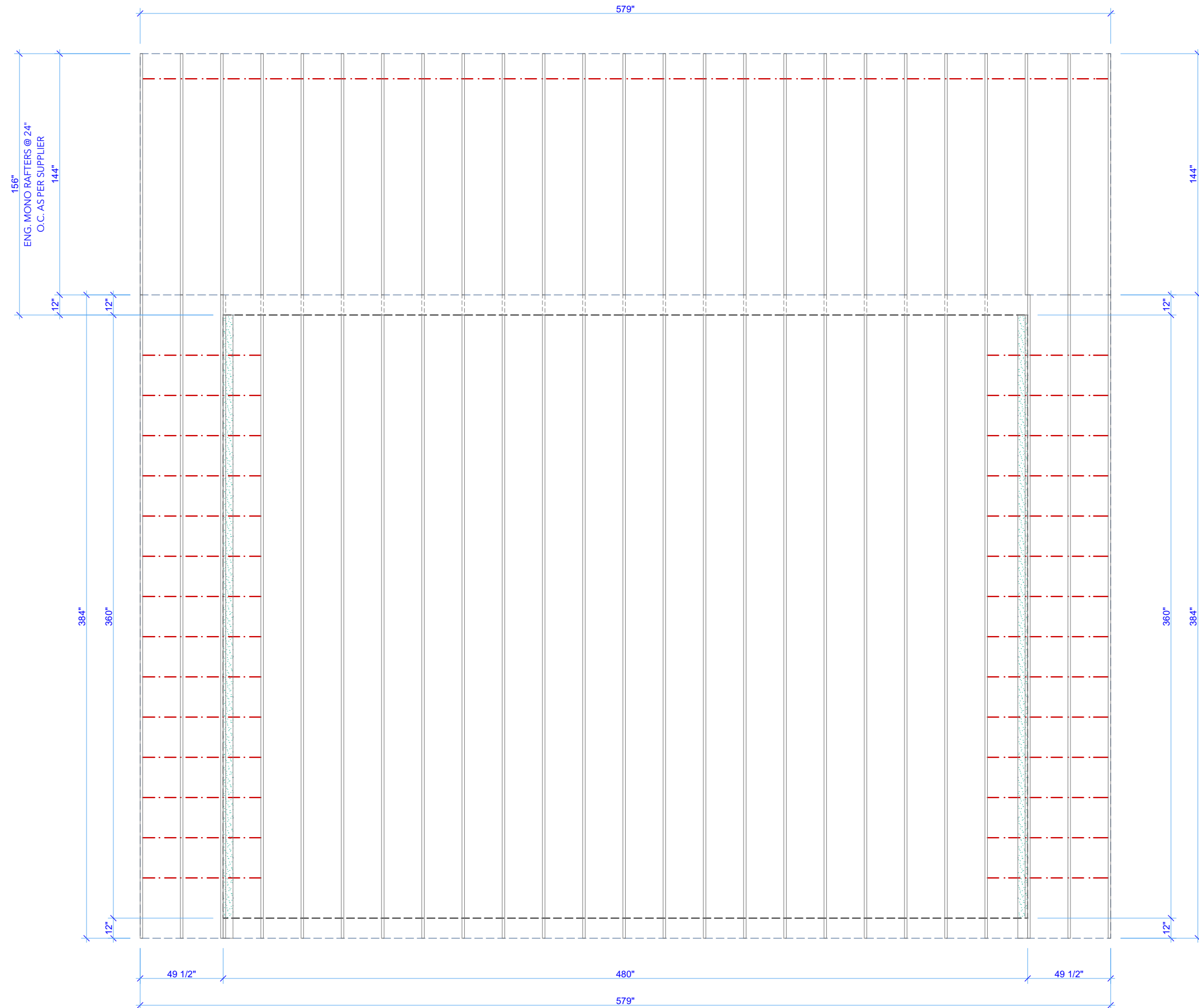
**A-3**  
 SHEET 3 OF 10



**3** LOFT FLOOR PLAN  
 SCALE: 3/16" = 1'-0"

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**FINAL**



**AGATE CABIN**

Baynes Lake, BC

**TRUSS LAYOUT**

PROJECT NO: #Pln  
DATE: 2021-04-22  
DRAWN BY: MRJ

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APPROVAL STAMPS

REFER TO ENGINEERING TRUSS  
DRAWINGS FOR MORE DETAILS  
(BY OTHER)

DRAWINGS HEREIN ARE FOR  
ILLUSTRATION ONLY  
VERIFY WITH BUILDER

**4** **ROOF TRUSS LAYOUT**  
SCALE: 3/16" = 1'-0"

/Users/butch/Documents/KNOTTY PINE CABINS/Agate Cabin 30x40/Agate Cabin 30x40.pln

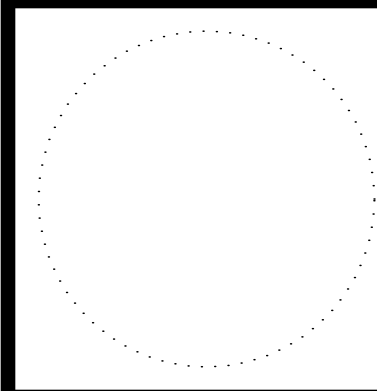
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**NOTE:**  
VERIFY GRADE ON SITE

**FINAL**



**KNOTTY PINE CABINS**



**AGATE CABIN**

Baynes Lake, BC

**FRONT ELEVATION**

**PROJECT NO:** #Pln

**DATE:** 2021-04-22

**DRAWN BY:** MRJ

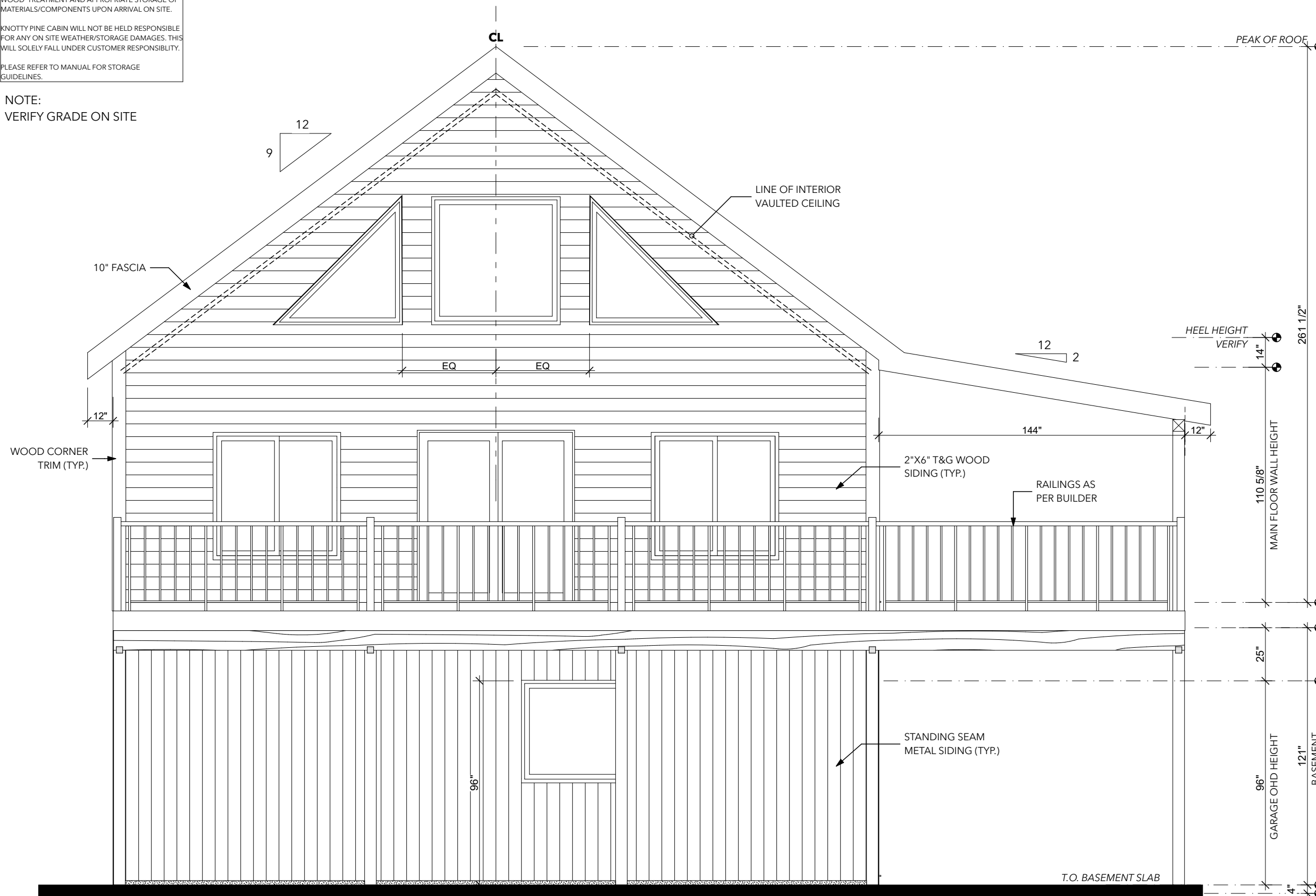
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APPROVAL STAMPS



**A-5**  
SHEET 5 OF 10



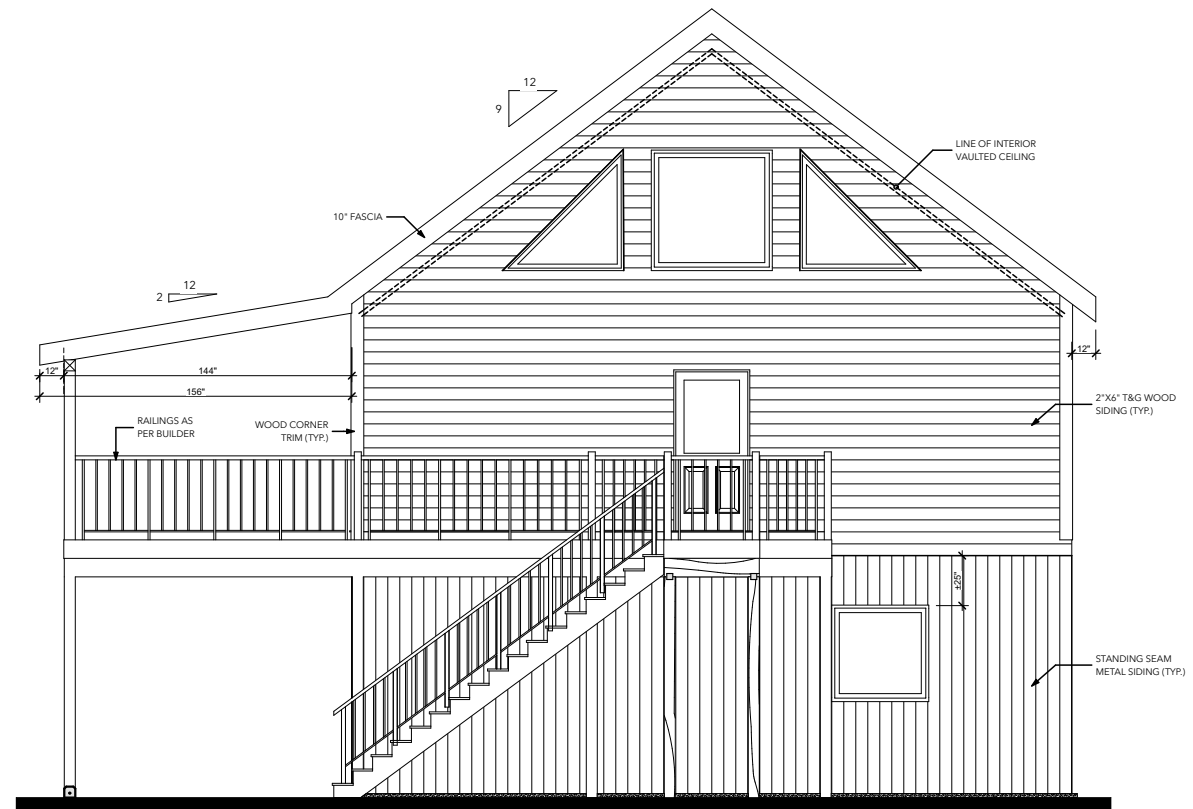
**5 FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"

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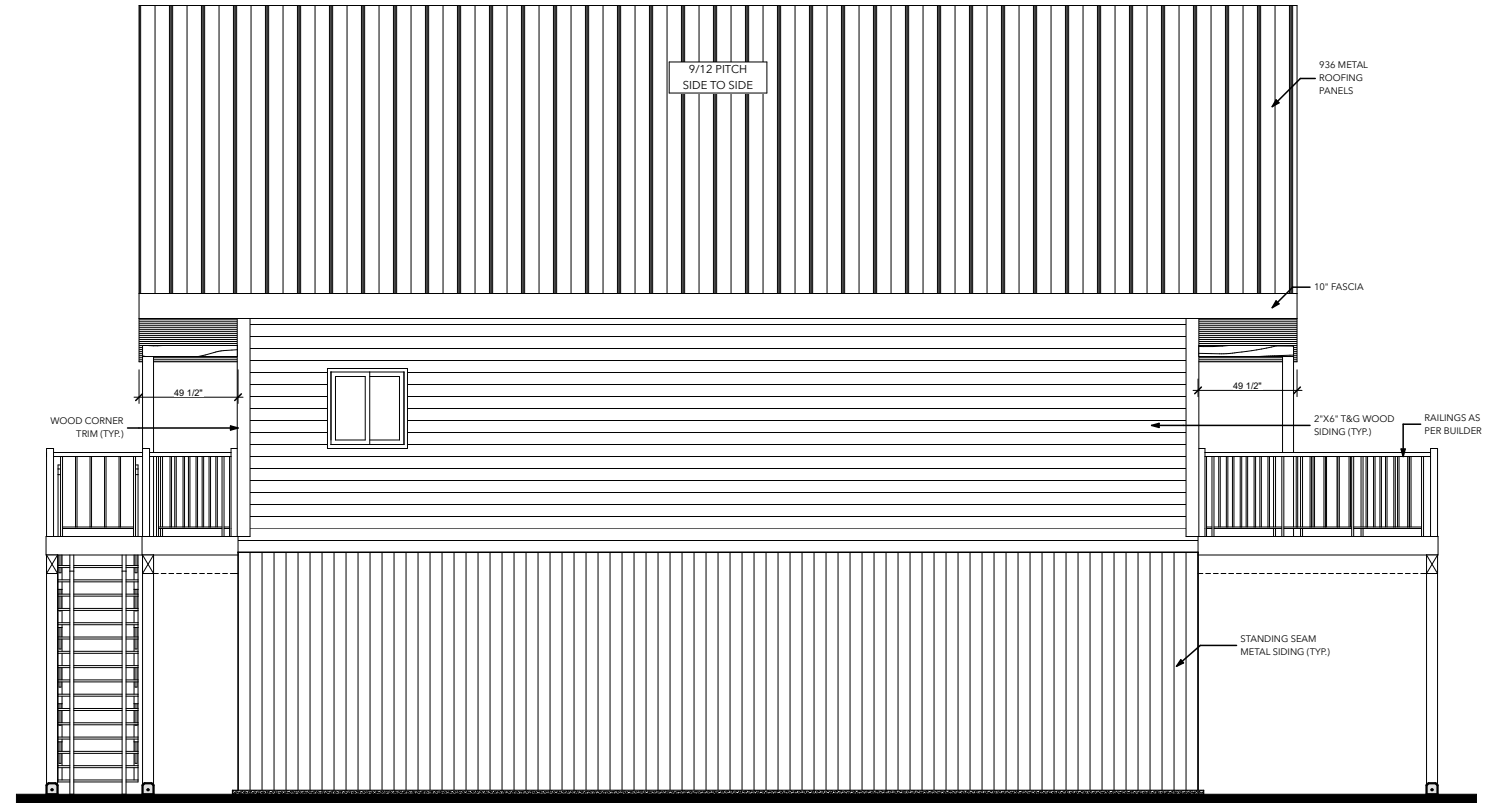
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**FINAL**



**7 REAR ELEVATION**  
SCALE: 1/8" = 1'-0"



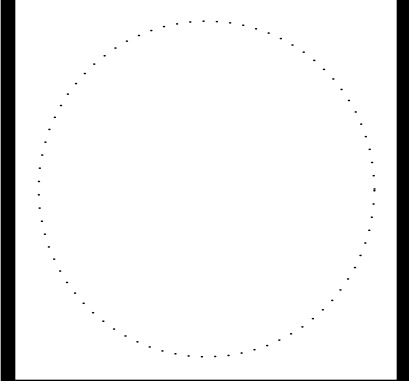
**6 LEFT ELEVATION**  
SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- ALL WORK SHALL BE IN ACCORDANCE TO N.B.C. 2015, BRITISH COLUMBIA BUILDING CODE 2018 & ENGINEERING DESIGN IN WOOD CSA-086-14.
- ALL WOOD SECTIONS IN FLOOR/DECK/WALL/ROOF/ FRAMING ARE TO BE S.P.F. GRADE NO. 1/NO. 2 U.N.O.
- REFER TO KNOTTY PINE CABINS INC. INSTALLATION MANUAL FOR FURTHER CONNECTION DETAILS.
- SPECIFIED LOADS:  
1/50 HOURLY WIND PRESSURE = 0.35 kpa  
1/10 HOURLY WIND PRESSURE = 0.27 kpa  
GROUND SNOW LOAD  $S_s = 3.0$  kpa,  $S_r = 0.2$  kpa  
FLOOR LIVE LOAD = 1.9 kpa
- USE 2 PLY - 2X4 LINTELS ABOVE ALL INTERIOR WALL OPENINGS & AT STAIR LANDING U.N.O.
- USE 3 PLY - 2X6 LINTELS ABOVE ALL EXTERIOR OPENINGS
- VERIFY ALL SHOWN DIMENSIONS PRIOR TO STARTING CONSTRUCTION
- FOR SIDELAP CONNECTION OF STEEL ROOFING PANELS USE NO. 8 SCREWS @ 8" O.C.
- AT GABLE ENDS, INSTALL ALL NECESSARY BLOCKING BETWEEN STEEL ROOFING TO BLOCKING USING NO. 10 SCREWS @ 8" O.C.
- 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.
- AT CENTER LINE BETWEEN FRONT WALL PANELS, TIE WALL STUDS USING 1/2" THROUGH BOLT @ 16" O.C. MAX.
- INSTALL 4 PLY - 2X12 PLATES ABOVE THE 2X6 PLATE FOR FRONT WALL PANELS.



**KNOTTY PINE CABINS**



**AGATE CABIN**

Baynes Lake, BC  
**ELEVATION(REAR & LEFT)**

**PROJECT NO:** #Pln

**DATE:** 2021-04-22

**DRAWN BY:** MRJ

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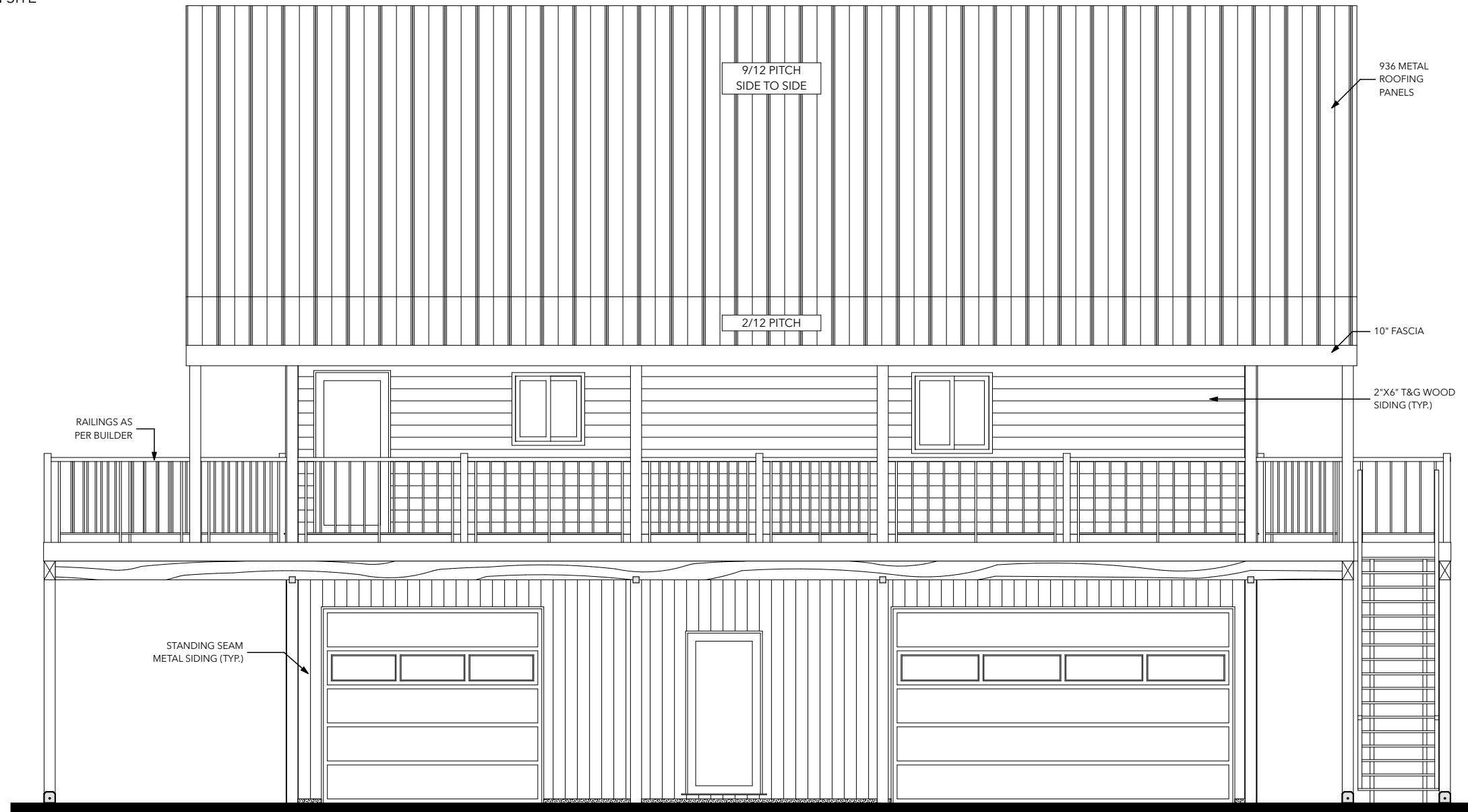
**APPROVAL STAMPS**

**A-6**  
**SHEET 6 OF 10**

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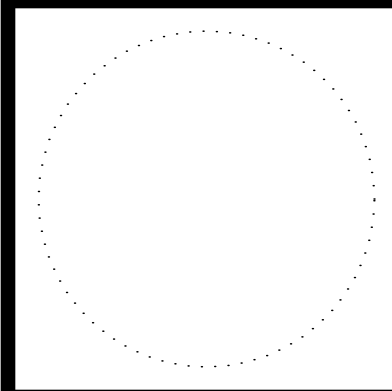


**8** RIGHT ELEVATION  
SCALE: 3/16" = 1'-0"

**FINAL**



**KNOTTY PINE CABINS**



**AGATE CABIN**

Baynes Lake, BC

**RIGHT ELEVATION**

**PROJECT NO:** #Pln

**DATE:** 2021-04-22

**DRAWN BY:** MRJ

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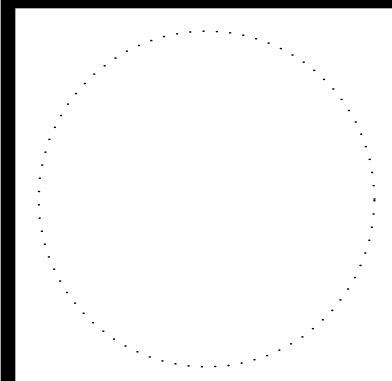
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**FINAL**

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: #Pln

DATE: 2021-04-22

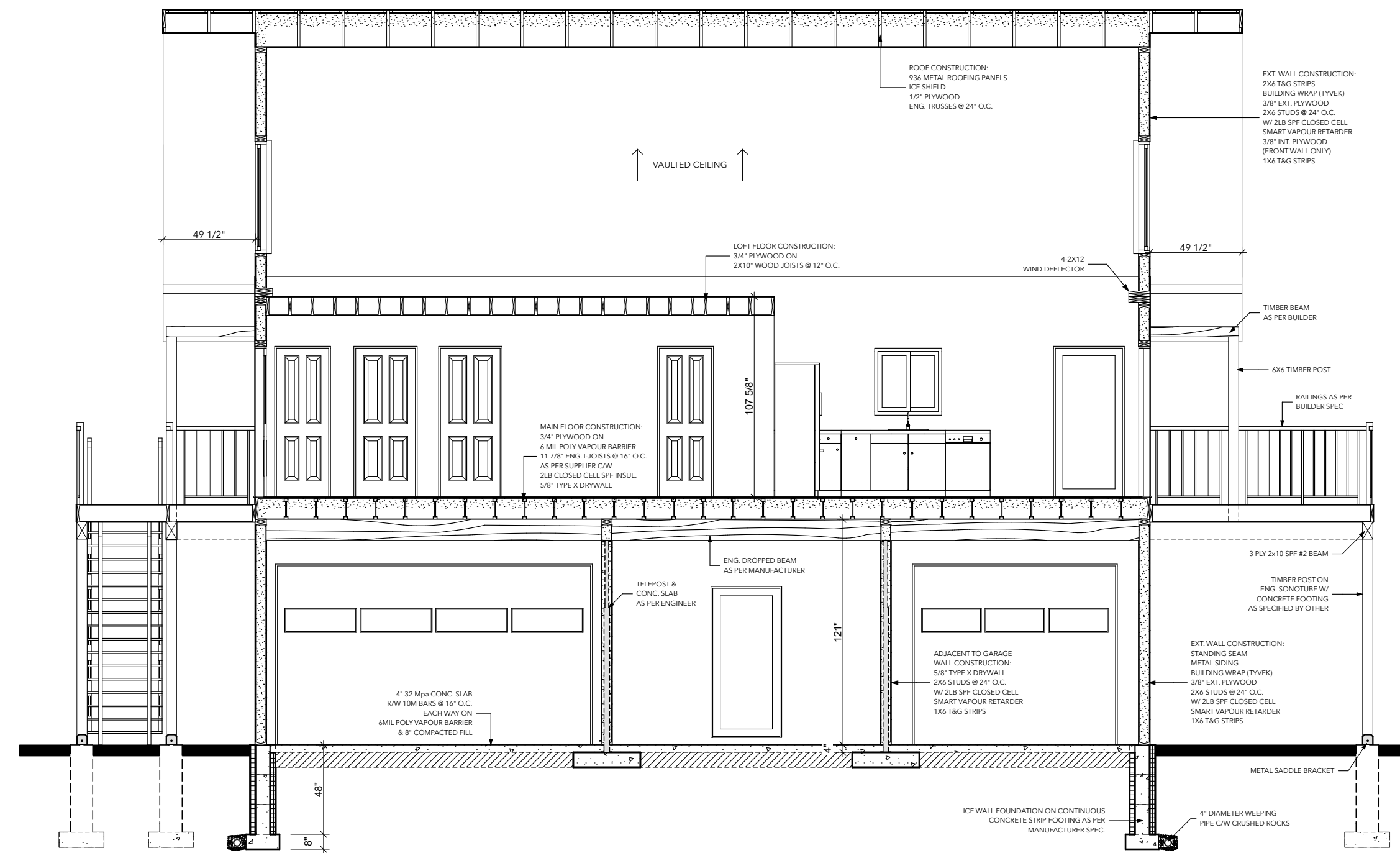
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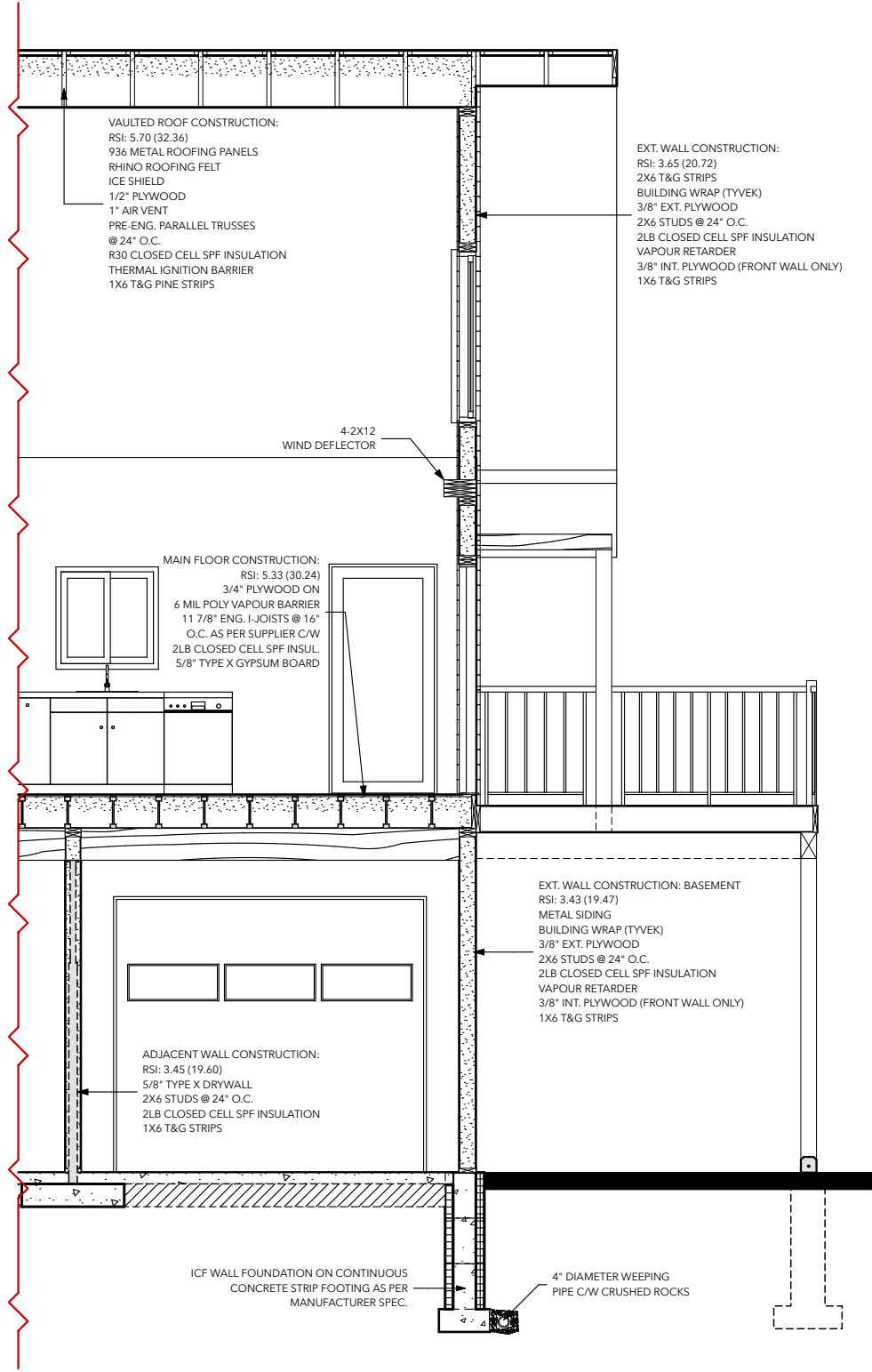
A-8  
SHEET 8 OF 10



NOTE:  
VERIFY GRADE ON SITE

**9** SECTION  
SCALE: 3/16" = 1'-0"





**In Compliance to Canada NBC Sec. 9.36  
- Energy Efficiency in Housings and Small Buildings**

Zone 6- WITH H.R.V.	Baynes Lake, BC	Exterior Wall (Front) RSI=3.65 Rvalue=20.72	Exterior Wall (Side) RSI=3.57 Rvalue=20.27
Prescriptive Path	Cabin w/ Dormer Loft + Garage	Roof Assembly (Cathedral) RSI=5.70 Rvalue=32.36	Main Floor Assembly RSI=5.33 Rvalue=30.24
T&G Strips Exterior	Living Space environments	Wall Adjacent to Garage RSI=3.45 Rvalue=19.60	ICF Foundation RSI= Rvalue=

**REQUIREMENTS: (With HRV)**

Exterior Walls RSI=3.08 Rvalue=17.50
Roof Assembly (Cathedral) RSI=4.67 Rvalue=26.50
Wall adjacent to Garage RSI=2.92 Rvalue=16.60
Floor over unheated space RSI=4.51 Rvalue=25.60

EXTERIOR BASEMENT WALL COMPOSITION	RSI	R-VALUE
1. OUTSIDE AIR FILM	0.03	0.17
2. STANDING SEAM METAL SIDING	0.00	0.00
3. 3/8" EXTERIOR PLYWOOD	0.08	0.45
4. 2X6 STUDS @ 24" O.C. WITH 2 LB SPF INSULATION	3.06	17.37
5. VAPOUR RETARDER	0.00	0.00
6. 1X6 T&G PINE STRIPS	0.14	0.80
8. INTERIOR AIR FILM	0.12	0.68
<b>EFFECTIVE RSI/R-VALUE TOTAL</b>	<b>3.43</b>	<b>19.47</b>

EXTERIOR SIDE WALL COMPOSITION	RSI	R-VALUE
1. OUTSIDE AIR FILM	0.03	0.17
2. 2X6 T&G STRIPS	0.14	0.80
3. 3/8" EXTERIOR PLYWOOD	0.08	0.45
4. 2X6 STUDS @ 24" O.C. WITH 2 LB SPF INSULATION	3.06	17.37
6. VAPOUR RETARDER	0.00	0.00
7. 1X6 T&G PINE STRIPS	0.14	0.80
8. INTERIOR AIR FILM	0.12	0.68
<b>EFFECTIVE RSI/R-VALUE TOTAL</b>	<b>3.57</b>	<b>20.27</b>

EXTERIOR FRONT WALL COMPOSITION	RSI	R-VALUE
1. OUTSIDE AIR FILM	0.03	0.17
2. 2X6 T&G STRIPS	0.14	0.80
3. 3/8" EXTERIOR PLYWOOD	0.08	0.45
4. 2X6 STUDS @ 24" O.C. WITH 2 LB SPF INSULATION	3.06	17.37
6. VAPOUR RETARDER	0.00	0.00
7. 3/8" PLYWOOD	0.08	0.45
8. 1X6 T&G PINE STRIPS	0.14	0.80
9. INTERIOR AIR FILM	0.12	0.68
<b>EFFECTIVE RSI/R-VALUE TOTAL</b>	<b>3.65</b>	<b>20.72</b>

BASEMENT WALL ADJACENT TO GARAGE COMPOSITION	RSI	R-VALUE
1. GARAGE SIDE AIR FILM	0.03	0.17
2. 5/8" TYPE X DRYWALL	0.10	0.56
3. 2X6 STUDS @ 24" O.C. WITH 2 LB SPF INSULATION	3.06	17.37
5. VAPOUR RETARDER	0.00	0.00
6. 1X6 T&G PINE STRIPS	0.14	0.80
7. INTERIOR AIR FILM	0.12	0.68
<b>EFFECTIVE RSI/R-VALUE TOTAL</b>	<b>3.45</b>	<b>19.60</b>

ROOF+ CEILING COMPOSITION VAULTED CEILING	RSI	R-VALUE
1. OUTSIDE AIR FILM	0.03	0.17
2. 936 METAL ROOFING	0.00	0.00
3. ICE SHIELD	0.00	0.00
4. 1/2" PLYWOOD	0.11	0.62
5. 1" AIR VENT	-	-
6. PRE-ENG. TRUSSES @ 24" O.C. W/ R30 2LB SPF INSULATION	5.28	30.00
7. THERMAL IGNITION BARRIER	0.00	0.00
8. AIR SPACE	0.03	0.17
9. 1X6 T&G PINE STRIPS	0.14	0.80
10. INTERIOR AIR FILM	0.11	0.62
<b>EFFECTIVE RSI/R-VALUE TOTAL</b>	<b>5.70</b>	<b>32.36</b>

FLOOR OVER GARAGE COMPOSITION	RSI	R-VALUE
1. INSIDE AIR FILM	0.16	0.90
2. FLOOR FINISH	0.00	0.00
3. 3/4" PLYWOOD	0.16	0.90
4. 11 7/8" ENG. FLOOR I-JOIST @ 16" O.C. C/W	0.03	0.17
5. 2 LB SPF CLOSED CELL INSUL.	4.82	27.37
6. AIR SPACE	0.03	0.17
7. 5/8" TYPE X DRYWALL	0.10	0.56
8. GARAGE SIDE AIR FILM	0.03	0.17
<b>EFFECTIVE RSI/R-VALUE TOTAL</b>	<b>5.33</b>	<b>30.24</b>

**WINDOWS & DOOR SCHEDULE**

DOOR TYPE	ACTION	QTY.	R.O.	
D1	72" PATIO DOOR	SLIDING	1	VERIFY
D2	36" FULL EXT. DOOR	AS SHOWN	2	38 1/2"
D3	36" 1/2 LITE DOOR	AS SHOWN	1	38 1/2"
D4	32" INTERIOR DOOR	VERIFY	4	VERIFY
D5	28" INTERIOR DOOR	VERIFY	3	VERIFY
D6	32" OPENING	AS SHOWN	1	VERIFY
D7	9' O.H. GARAGE DOOR	OVERHEAD	1	VERIFY
D8	14' O.H. GARAGE DOOR	OVERHEAD	1	VERIFY
D9	36" FULL EXT. DOOR	AS SHOWN	2	38 1/2"

**DOORS U-VALUE**

- D1 72" PATIO DOOR= 0.86  
6'-0" X 6'-8" FIBER CLASSIC OAK SOLID PANE
- D2 36" FULL LITE PANEL DOOR= 0.86  
3'-0" X 6'-8" FIBER CLASSIC OAK SOLID PANE
- D3 36" 1/2 LITE PANEL DOOR= 0.86  
3'-0" X 6'-8" FIBER CLASSIC OAK SOLID PANE
- D7 OVERHEAD GARAGE DOOR (VERIFY WITH THE SUPPLIER)
- D8 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"

**WINDOWS U-VALUE**

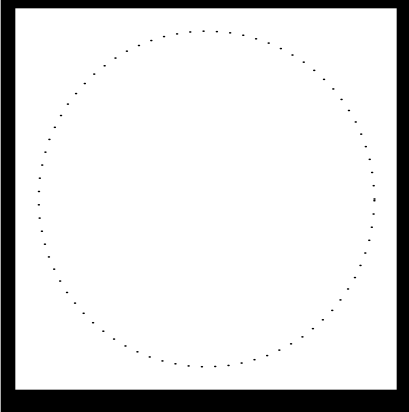
- W01 SLIDER TYPE = 1.37  
3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE
- W02 SLIDER TYPE = 1.37  
3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE
- W03 SLIDER TYPE = 1.37  
3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE
- W04 FIXED PICTURE TYPE = 1.37  
3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE
- W05 PICTURE RAKER TYPE = 1.37  
3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE
- W06 FIXED PICTURE TYPE = 1.37  
3mm/TRIPLE PANE/SUNGATE 400/ONE COAT/ ONE SPACE

NOTE: INCLUDES ALL FLOORS & GARAGE FLOOR OPENINGS

**FINAL**



**KNOTTY PINE CABINS**



**AGATE CABIN**

Baynes Lake, BC  
**DETAILS & CALCULATIONS**

PROJECT NO: **#Pln**

DATE: **2021-04-22**

DRAWN BY: **MRJ**

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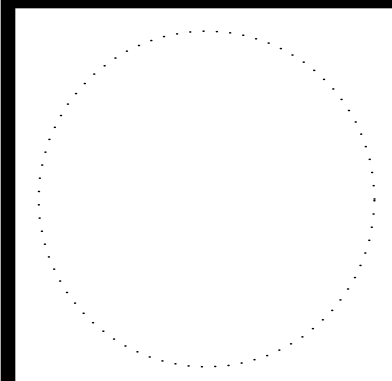
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APPROVAL STAMPS

**10 AIR BARRIER & CONTINUITY OF INSULATION DETAILS**  
NOT TO SCALE



KNOTTY PINE CABINS



AGATE CABIN

Baynes Lake, BC

BASEMENT PLAN

1200 Sq. Ft.

PROJECT NO: #Pln

DATE: 2021-04-22

DRAWN BY: MRJ

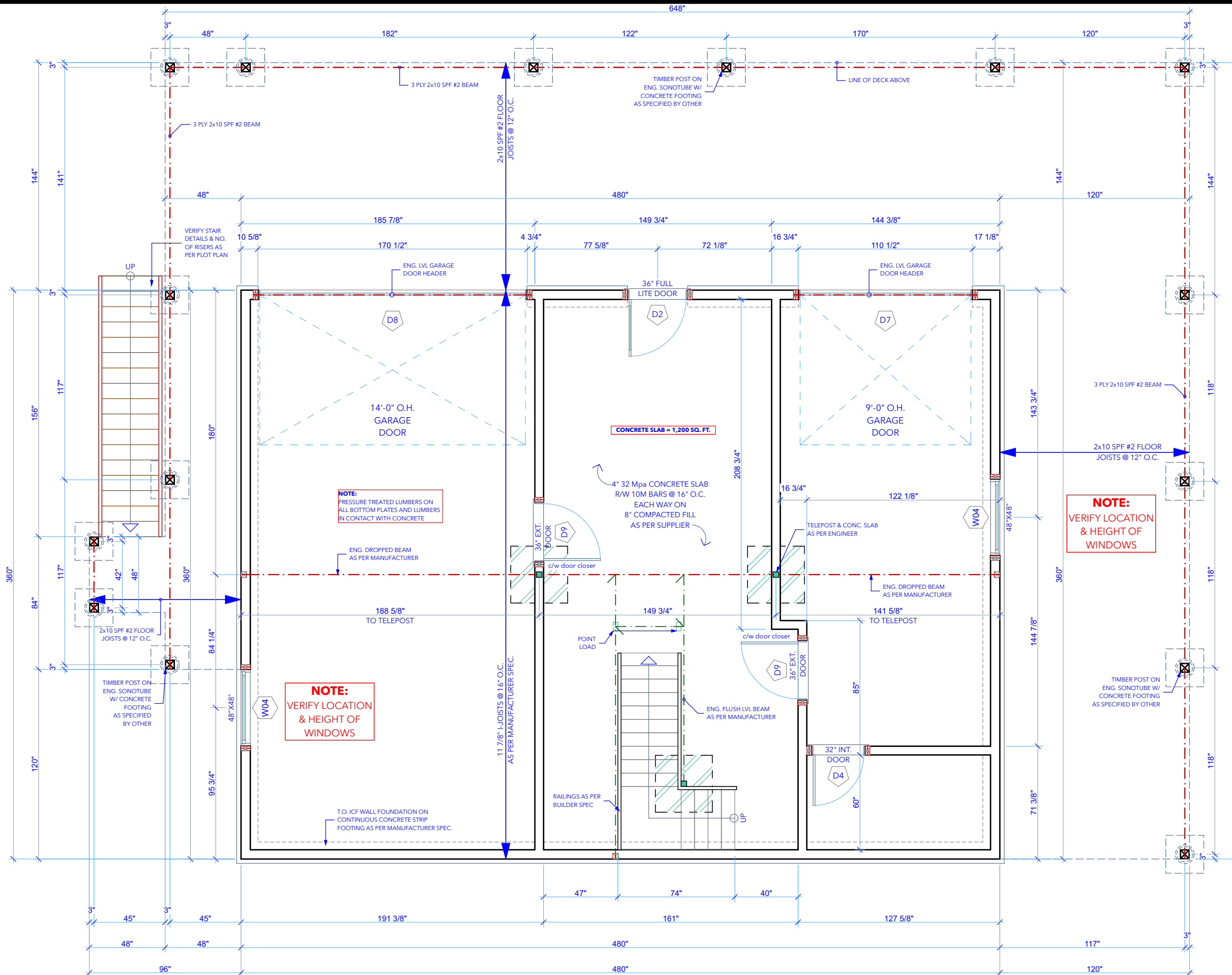
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APPROVAL STAMPS

APPROVAL STAMPS

10  
SHEET 10 OF 10



REFER TO ENGINEERING FOUNDATION & FOOTING DRAWINGS FOR MORE DETAILS (BY OTHER)

11 BASEMENT PLAN  
SCALE: 3/16" = 1'-0"