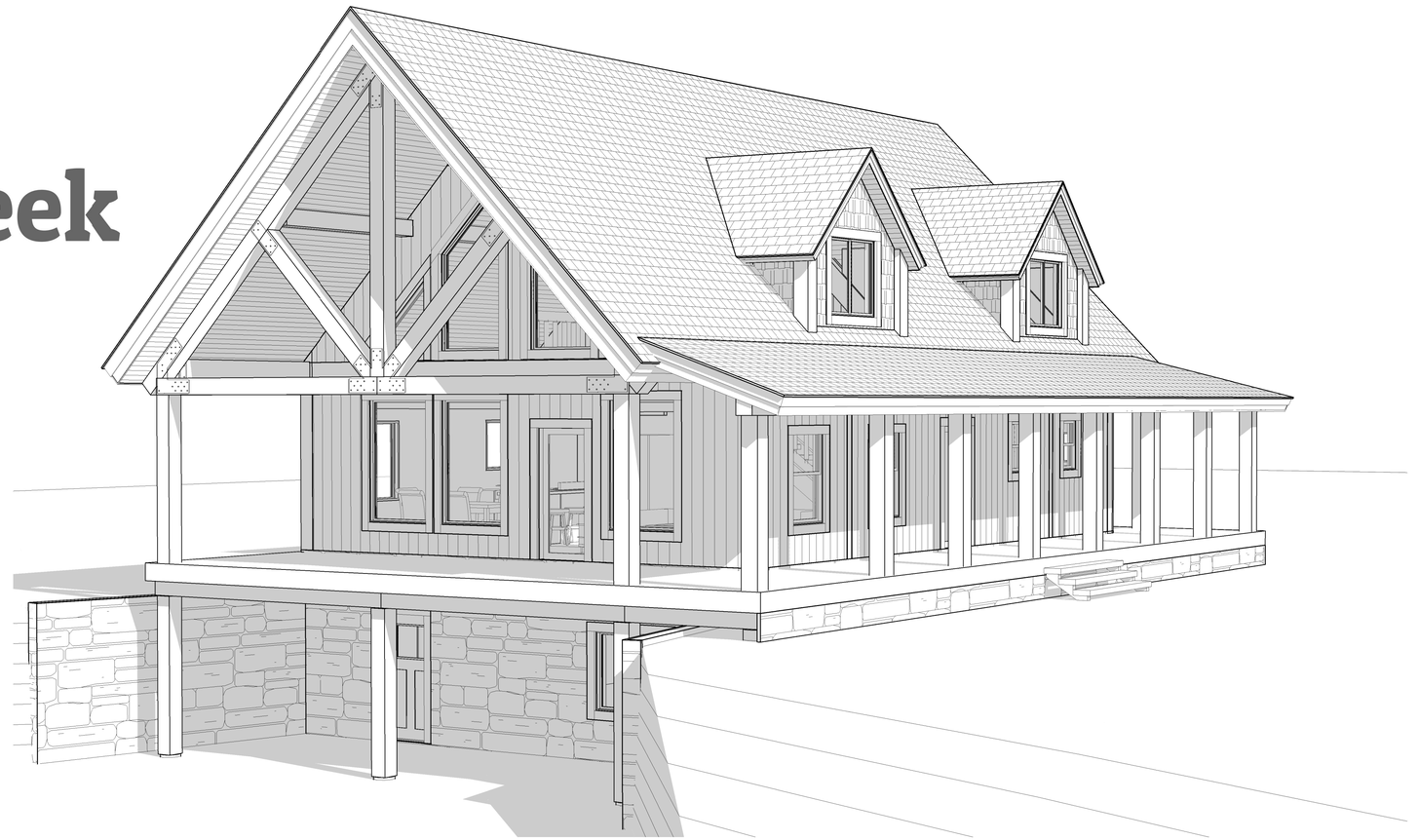
NOT FOR CONSTRUCTION

Whisper Creek



DESIGN CRITERIA
GOVERNING CODES

WCLH DESIGN CRITERIA
A

2018 INTERNATIONAL BUILDING CODE (IBC)
ASCE/SEI 7-10 MIN DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES

LOADINGS

FLOOR	DEAD LOAD		12 PSF
	LIVE LOAD		40 PSF
ROOF	DEAD LOAD		15 PSF
	LIVE (SNOW) LOAD		
	GROUND LOAD		62 PSF
	FLAT ROOF		52 PSF
	EXPOSURE FACTOR		Ce=1.0
	THERMAL FACTOR		
	WARM	Ct=1.1	
	COLD	Ct=1.1	
	IMPORTANCE FACTOR		Is=1.0

WIND DESIGN

ULTIMATE SPEED	90MPH
IMPORTANCE FACTOR	Iw=1.0
EXPOSURE	C

SEISMIC

SEISMIC DESIGN CATEGORY	C

FROST DEPTH

36"

SOIL

GEOTECHNICAL STUDY	NOT AVAILABLE FOR DESIGN
ALLOWABLE BEARING	1,500 PSF
SITE CLASS	D

ELEVATION

63,419'

ATTENTION:

1. SITE PLANS: SITE PLANS SHALL BE PREPARED AND SUBMITTED BY THE OWNER CONTRACTOR AS REQ'D BY THE LOCAL JURISDICTION. ITEMS REQUIRED AND SHOWN MAY INCLUDE BUT ARE NOT LIMITED TO; IDENTIFICATION AND LOCATION OF ALL BUILDINGS, EXISTING AND PROPOSED, LABEL ALL EXISTING AND PROPOSED STREETS, EASEMENTS, FLOOD PLAINS AND ADJACENT PROPERTY LINES (FRONT, REAR, & SIDES.).
2. FIRE RESISTIVE CONSTRUCTION: FIRE RESISTIVE CONSTRUCTION AND/OR FIRE SPRINKLER SYSTEMS NOT ADDRESSED ON THESE PLANS AND REQUIRED BY THE LOCAL JURISDICTION AND ADOPTED CODES ARE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR.
3. LATERAL DESIGN: BECAUSE OF THE RANDOM AND UNPREDICTABLE NATURE OF WIND AND EARTHQUAKE LOADING EVEN A RELATIVELY COMPLETE ANALYSIS, METHODOLOGY, AND DESIGN CANNOT ENSURE THAT THERE WILL BE NO DAMAGE TO STRUCTURES DURING MAJOR EVENTS. LOCAL ADOPTED CODES ARE BASED ON LIFE SAFETY AND NOT "DAMAGE PROOFING". IT IS EXTREMELY IMPORTANT THAT ATTENTION BE PAID TO THE PLACEMENT OF REINFORCING, HOLDOWN EMBEDS, ETC. IN THE FOUNDATIONS, NAILING OF VERTICAL AND HORIZONTAL SHEATHING (WALLS, FLOORS, AND ROOF) AND TO DETAILING SHOWN ON THE PLANS. PROPER IMPLEMENTATION IS REQUIRED TO ENSURE THE DESIRED DESIGN RESPONSE.
4. MODIFICATIONS: STRUCTURAL MODIFICATIONS TO PLANS, FRAMING AND LOADING (DIMENSIONS, MATERIALS, DETAILS, LOCATION AND/ OR SIZE OF OPENINGS IN WALLS, HOT TUB LOADING, ETC.) FROM THAT SHOWN ON THE WCLH PLANS CAN ALTER THE STRUCTURAL PERFORMANCE AND WILL VOID ANY LIABILITY BY WCLH OR AJEOR, WITHOUT ADDITIONAL REVIEW AND ANALYSIS AND PRIOR WRITTEN APPROVAL. NEW AND RELOCATED LOADS CAN CAUSE EXCESSIVE DEFLECTION AND EVEN STRUCTURAL FAILURE. INCREASING THE SIZE, NUMBER OR LOCATION OF OPENINGS IN SHEAR WALLS CAN VARY THE LOADING ON SHEAR PANELS BEYOND THEIR LOAD CARRYING CAPACITIES. THE OWNER AND CONTRACTOR SHALL CAREFULLY REVIEW PLANS AND SPECIFICATIONS PRIOR TO INITIATION OF CONSTRUCTION.
5. SOILS INVESTIGATION: WHERE REQUIRED BY THE LOCAL SITE CONDITIONS OR JURISDICTION A GEOTECHNICAL INVESTIGATION (SOILS REPORT) SHALL BE PREPARED BY A QUALIFIED PROFESSIONAL AND SUBMITTED TO THE AJEOR BY THE OWNER/CONTRACTOR FOR REVIEW AND INCORPORATED INTO THE DESIGN. WHEN EXPANSIVE OR COLLAPSE SENSITIVE SOILS ARE PRESENT SPECIAL PROVISIONS MAY BE REQUIRED IN THE FOUNDATION DESIGN. ADDITIONAL FEES WILL BE WARRANTED.

AREA SCHEDULE	
NAME	AREA
LOFT	703 SF
MAIN FLOOR	1160 SF
UNFINISHED BASEMENT	1160 SF
TOTAL	3023 SF

DEFERRED SUBMITTAL ITEMS BY CONTRACTOR
• TRUSS CALCS BY TRUSS MANUFACTURER

NOTE: WHISPER CREEK LOG HOMES (WCLH) ARE CONSTRUCTED USING NATURAL WOOD PRODUCTS SUBJECT TO DECAY, MAINTENANCE METHODS AND PROCEDURES SET FORTH BY WCLH DOES NOT WARRANTY COMPONENTS INSTALLED LESS THAN 24 INCHES FROM THE GROUND. ANY MATERIAL OR COMPONENTS NOT SPECIFICALLY LISTED IN CONTRACT WITH WCLH ARE TO BE PROVIDED BY THE OWNER CONTRACTOR.

SHEET LIST - PRELIMINARY PLANS	
SHEET#	SHEET NAME
COVER	
A0.0	COVER SHEET
ARCHITECTURAL	
A1.0	BASEMENT PLAN
A1.1	MAIN FLOOR PLAN
A1.2	LOFT FLOOR PLAN
A2.0	FRONT & RIGHT ELEVATION
A2.1	BACK & LEFT ELEVATION
A3.0	SCHEDULES
A4.0	COMPONENT ISOMETRIC

SHEET TITLE: COVER SHEET
PLAN NO.: TBD
SHEET NO.: A0.0

Whisper Creek
1857 Hwy 93 South
Hamilton, MT 59840
Ph. 877-289-9254
terrif@wclh.com

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PRELIMINARY PLAN SET

REVISIONS			
No.	By:	Date:	

PROJECT NAME: BIG HORN
OWNER:
ADDRESS:
DRAWING TITLE: COVER SHEET

PROJECT NO.:
DRAWN BY: JCF
CHECKED BY: MANAGER
DATE: 8/26/2021 1:56:46 PM
SHEET NO.: A0.0
PLAN NO.: TBD

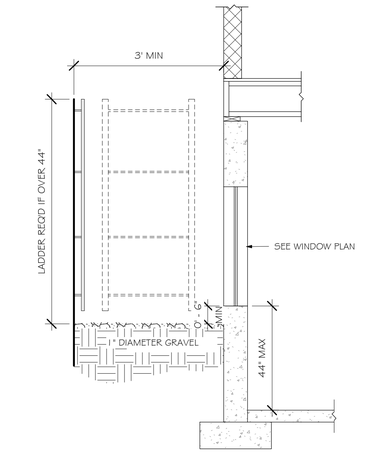
NOT FOR CONSTRUCTION

BASEMENT NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN ON THESE PLANS AND W/ BUILDING SITE PRIOR TO COMMENCING ANY WORK ON PROJECT.
2. ALL EXTERIOR WALLS ARE DIMENSIONED TO THE FACE OF SHEATHING OR FOUNDATION. ALL INTERIOR WALLS ARE DIMENSIONED TO THE FACE OF STUDS.
3. PROVIDE WINDOW WELLS AS REQUIRED BY FINISH GRADE. (CONTRACTOR TO VERIFY). SEE WINDOW WELL DETAIL.
4. BASEMENTS ENCLOSING CONDITIONED SPACE SHALL BE INSULATED.
5. UNFINISHED AND FINISHED SPACES SHALL BE SEPARATED BY A DOOR.

ABBREVIATIONS

O/C	INDICATES BUILDING COMPONENT PROVIDED BY OWNER/CONTRACTOR
WC	INDICATES BUILDING COMPONENT PROVIDED BY WHISPER CREEK LOG HOMES
A/EOR	INDICATES ARCHITECT/ENGINEER OF RECORD

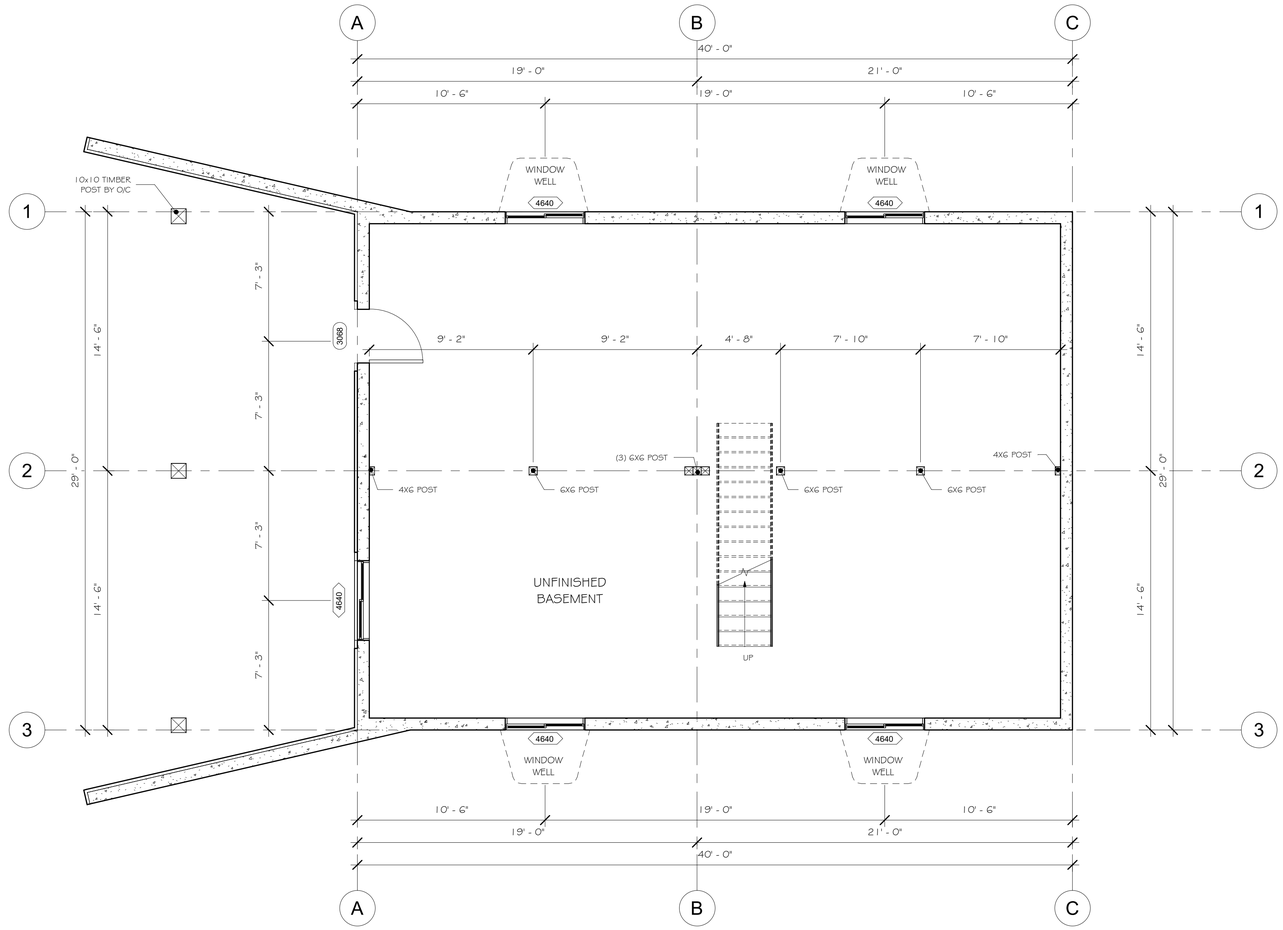


2 WINDOW WELL DETAIL
1/2" = 1'-0"

WINDOW WELL NOTES:

ESCAPE AND RESCUE WINDOWS W/ A FINISHED SILL HEIGHT BELOW THE ADJACENT GROUND ELEVATION SHALL HAVE A WINDOW WELL.
WINDOW WELLS AT ESCAPE OR RESCUE WINDOWS SHALL COMPLY W/ THE FOLLOWING:

1. THE CLEAR HORIZONTAL DIMENSIONS SHALL ALLOW THE WINDOW TO BE FULLY OPENED AND PROVIDE A MINIMUM ACCESSIBLE NET CLEAR OPENING OF 9 SQ FT W/ A MINIMUM DIMENSION OF 36".
2. WINDOW WELLS WITH A VERTICAL DEPTH OF MORE THAN 44" SHALL BE EQUIPPED W/ AN APPROVED PERMANENTLY AFFIXED LADDER OR STAIRS THAT ARE ACCESSIBLE W/ THE WINDOW IN THE FULLY OPENED POSITION. THE LADDER OR STAIRS SHALL NOT ENCROACH INTO THE REQUIRED DIMENSIONS OF THE WINDOW WELL BY MORE THAN 6".
3. BARS, GRILLES, GRATES OR SIMILAR DEVICES MAY BE INSTALLED ON EMERGENCY ESCAPE OR RESCUE WINDOWS, DOORS, OR WINDOW WELLS PROVIDED THE DEVICES ARE EQUIPPED W/ APPROVED RELEASE MECHANISMS WHICH ARE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.



BASEMENT
1/4" = 1'-0"

SHEET TITLE: BASEMENT PLAN
PLAN NO.: TBD
SHEET NO.: A1.0

Whisper Creek
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PRELIMINARY PLAN SET

REVISIONS			
No.	By:	Date:	

PROJECT NAME: **BIG HORN**

OWNER:

ADDRESS:

DRAWING TITLE: **BASEMENT PLAN**

PROJECT NO.: PLAN NO.: TBD
DRAWN BY: JCF
CHECKED BY: MANAGER
DATE: 8/26/2021 1:56:46 PM
SHEET NO.: A1.0

NOT FOR CONSTRUCTION

FLOOR PLAN NOTES

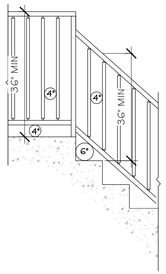
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3. THERE SHALL BE A FLOOR OR LANDING ON EACH SIDE OF EXTERIOR DOORS. WIDTH NOT LESS THAN THE DOOR SERVED. MIN DIMENSION 36 INCH MEASURED IN THE DIRECTION OF TRAVEL. LANDINGS OR FINISHED FLOORS AT THE REQUIRED EGRESS DOOR SHALL NOT BE MORE THAN 1 1/2" LOWER THAN TOP OF THRESHOLD ON THE EXTERIOR SIDE. IT SHALL NOT BE LOWER THAN 7 3/4" FROM TIP OF THRESHOLD, PROVIDED THE DOOR DOES NOT SWING OVER LANDING OR FLOOR.

ABBREVIATIONS

O/C	INDICATES BUILDING COMPONENT PROVIDED BY OWNER/CONTRACTOR
WC	INDICATES BUILDING COMPONENT PROVIDED BY WHISPER CREEK LOG HOMES
A/EOR	INDICATES ARCHITECT/ENGINEER OF RECORD

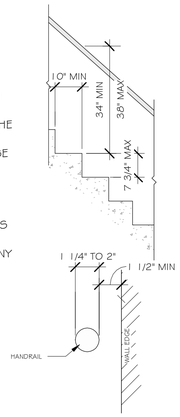
GUARDRAIL NOTES:

1. 36" (MIN) HIGH GUARDRAILS ARE REQUIRED FOR UNENCLOSED FLOOR AND ROOF OPENINGS, OPEN AND GLAZED SIDES OF STAIRWAYS, LANDINGS, DECKS, RAMPS, AND PORCHES, WHICH ARE MORE THAN 30 INCHES ABOVE GRADE OR A FLOOR OR OTHER SURFACE BELOW.
2. OPEN GUARDRAILS SHALL HAVE INTERMEDIATE RAIL SPACING OR PATTERN SUCH THAT A 4-INCH SPHERE CANNOT PASS THROUGH AND THE TRIANGULAR AREA FORMED BY TREAD, RISER AND GUARDRAIL SO THAT 6-INCH SPHERE CANNOT PASS THROUGH.



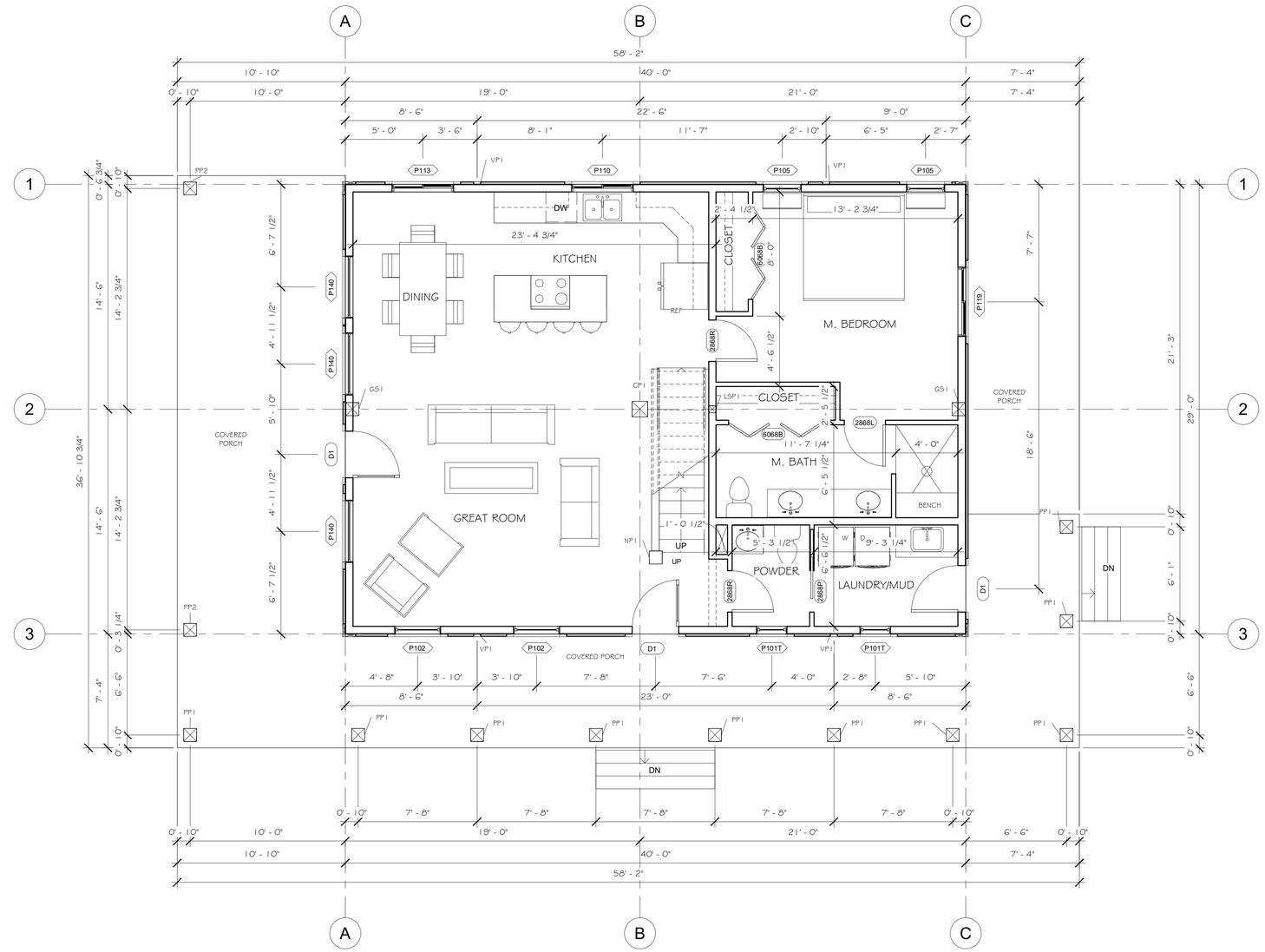
HANDRAIL NOTES:

1. RESIDENTIAL STAIRS REQUIRE HANDRAILS ON A MINIMUM OF ONE SIDE.
2. HANDRAIL SHALL BE CONTINUOUS THE FULL LENGTH OF THE STAIRS WITH ENDS RETURNED TO NEWEL POST OR WALL.
3. THE HANDGRIP PORTION OF THE HANDRAILS SHALL NOT BE LESS THAN 1 1/4" INCHES AND NOT GREATER THAN 2" IN CROSS-SECTIONAL DIMENSION OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. THE HANDGRIP PORTION OF THE HANDRAILS SHALL HAVE A SMOOTH SURFACE WITH NO SHARP CORNERS. HANDRAILS PROJECTION FROM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1 1/2 INCHES BETWEEN THE HANDRAIL AND ANY ABUTTING CONSTRUCTION SO AS TO AVOID INJURY TO FINGERS.



STAIRWAY NOTES:

1. STAIRWAYS SHALL NOT BE LESS THAN 36 INCHES IN WIDTH.
2. THE RISE OF STEPS SHALL NOT BE LESS THAN 4 INCHES OR GREATER THAN 7-3/4 INCHES. THE GREATEST RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCH.
3. THE RUN SHALL NOT BE LESS THAN 10 INCHES AS MEASURED HORIZONTALLY BETWEEN THE VERTICAL PLANES OF THE FURTHER MOST PROJECTION OF ADJACENT TREADS. THE LARGEST TREAD RUN WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY 3/8 INCH.
4. WINDER TREADS SHALL HAVE A MINIMUM OF TREAD DEPTH OF 10" MEASURED AT A POINT 12" FROM THE NARROW SIDE OF THE TREAD, AND HAVE A MINIMUM DEPTH OF 6". WITHIN ANY FLIGHT OF STAIRS THE GREATEST WINDER TREAD DEPTH AT THE 12" WALK LINE SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8".



MAIN FLOOR

1/4" = 1'-0"

SHEET TITLE: MAIN FLOOR PLAN

PLAN NO.: TBD

SHEET NO.: A1.1

Whisper Creek

1857 Hwy 93 South
Hamilton, MT 59840
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terrif@wclh.com

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PRELIMINARY PLAN SET

REVISIONS

No.	By:	Date:	

PROJECT NAME: **BIG HORN**

OWNER:

ADDRESS:

DRAWING TITLE: **MAIN FLOOR PLAN**

PROJECT NO.:

PLAN NO.: TBD

DRAWN BY: JCF

CHECKED BY: MANAGER

DATE: 8/26/2021 1:56:47 PM

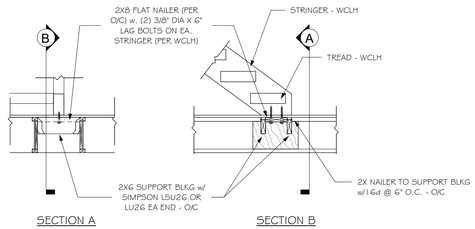
SHEET NO.: A1.1

FLOOR PLAN NOTES

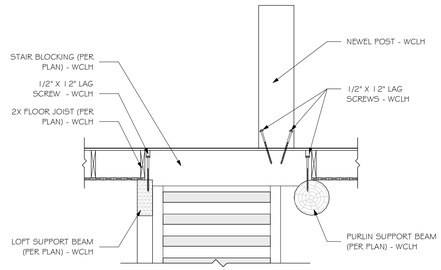
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ABBREVIATIONS

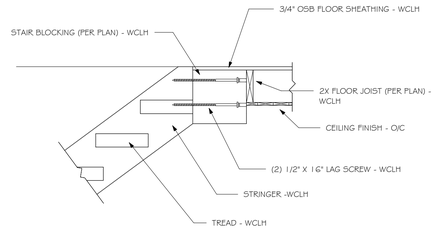
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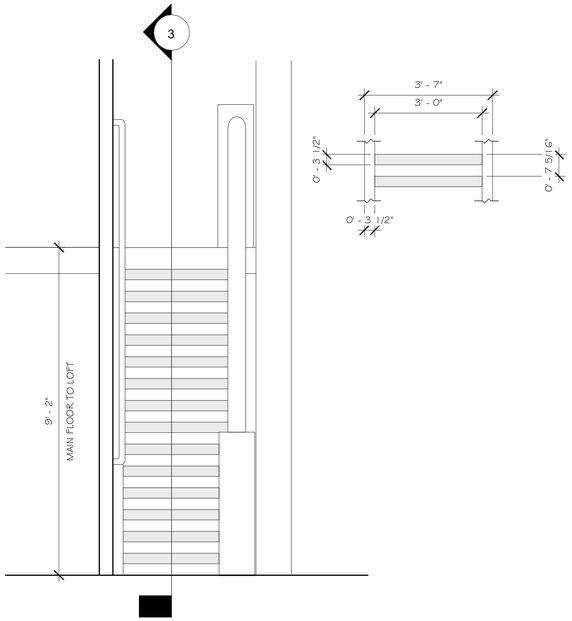
A STAIR BASE CONNECTION
1/2" = 1'-0"



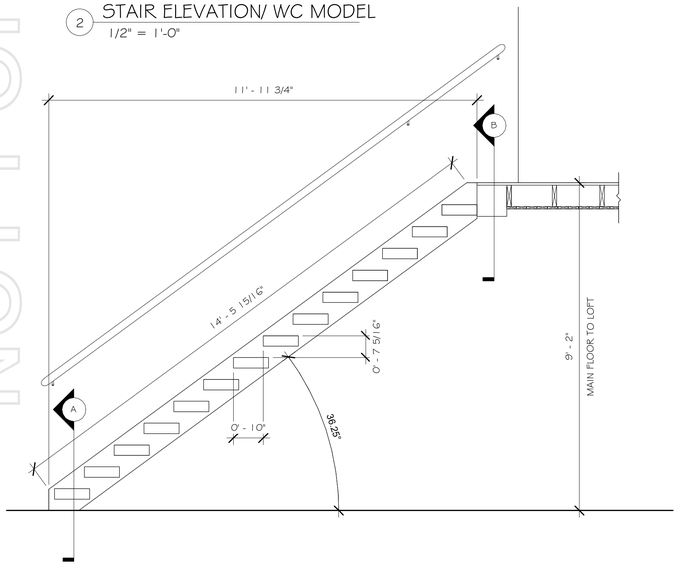
B STAIR BLOCKING/ NEWEL POST
1/2" = 1'-0"



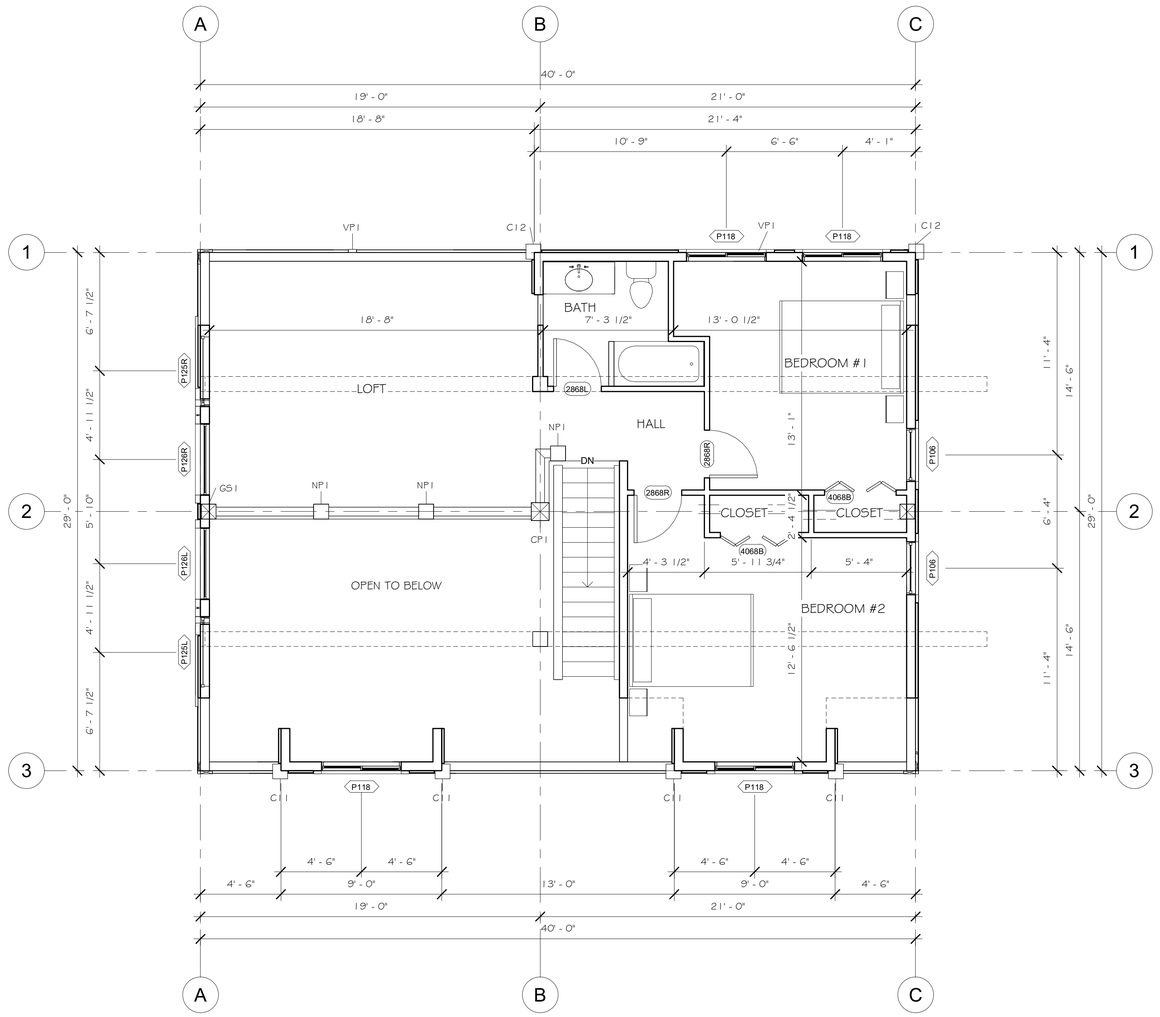
C STAIR BLOCKING
3/4" = 1'-0"



2 STAIR ELEVATION/ WC MODEL
1/2" = 1'-0"



3 STAIR SECTION/ WC MODEL
1/2" = 1'-0"



LOFT
1/4" = 1'-0"

NOT FOR CONSTRUCTION

SHEET TITLE: LOFT FLOOR PLAN
PLAN NO.: TBD
SHEET NO.: A1.2

Whisper Creek
1857 Hwy 93 South
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PRELIMINARY PLAN SET

REVISIONS

No.	By:	Date:	

PROJECT NAME: BIG HORN

OWNER:

ADDRESS:

DRAWING TITLE: LOFT FLOOR PLAN

PROJECT NO.:
PLAN NO.: TBD
DRAWN BY: JCF
CHECKED BY: MANAGER
DATE: 8/26/2021 1:56:47 PM
SHEET NO.: A1.2

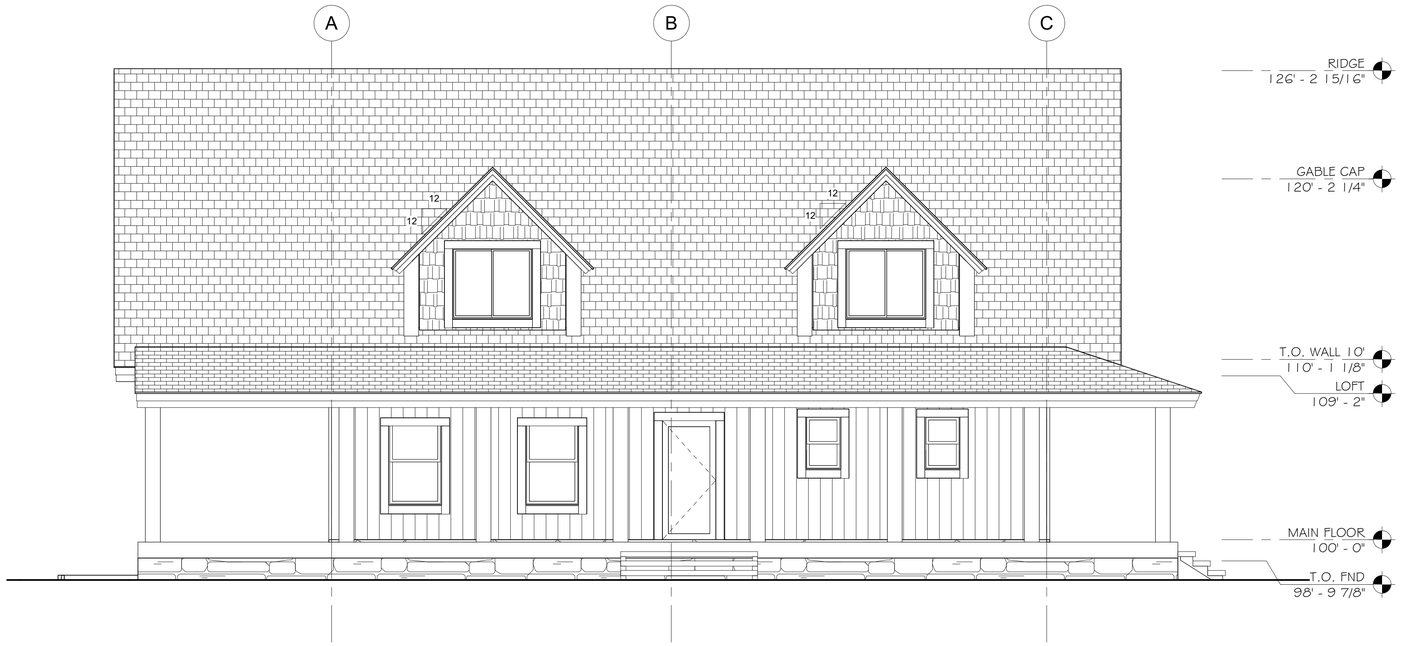
NOT FOR CONSTRUCTION

ELEVATION NOTES

1. CONTRACTOR WILL VERIFY ANY AND ALL STEPS IN FOOTINGS & FOUNDATION AS REQUIRED BY EXISTING FINISH GRADES.
2. MODIFICATIONS TO THE STRUCTURE MUST BE APPROVED BY THE A/EOR IN WRITING PRIOR TO MAKING ANY CHANGES. GRADES INDICATED ARE APPROXIMATE AND MAY BE MODIFIED SUBJECT TO FINAL SITE CONDITIONS. DRAINAGE AWAY FROM THE STRUCTURE MUST BE MAINTAINED.
3. LOTS SHALL BE GRADED TO DRAW SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST 10 FEET.
4. CONTRACTOR TO INSTALL SNOW STOPS ON ROOF.

ABBREVIATIONS

O/C	INDICATES BUILDING COMPONENT PROVIDED BY OWNER/CONTRACTOR
WC	INDICATES BUILDING COMPONENT PROVIDED BY WHISPER CREEK LOG HOMES
A/EOR	INDICATES ARCHITECT/ENGINEER OF RECORD



FRONT ELEVATION

1/4" = 1'-0"



RIGHT ELEVATION

1/4" = 1'-0"

SHEET TITLE: FRONT & RIGHT ELEVATION

PLAN NO.: TBD

SHEET NO.: A2.0

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PRELIMINARY PLAN SET

REVISIONS

No.	By:	Date:	

PROJECT NAME: **BIG HORN**

OWNER:

ADDRESS:

DRAWING TITLE: **FRONT & RIGHT ELEVATION**

PROJECT NO.:

DRAWN BY: JCF

CHECKED BY: MANAGER

DATE: 8/26/2021 1:56:48 PM

SHEET NO.: A2.0

PLAN NO.: TBD

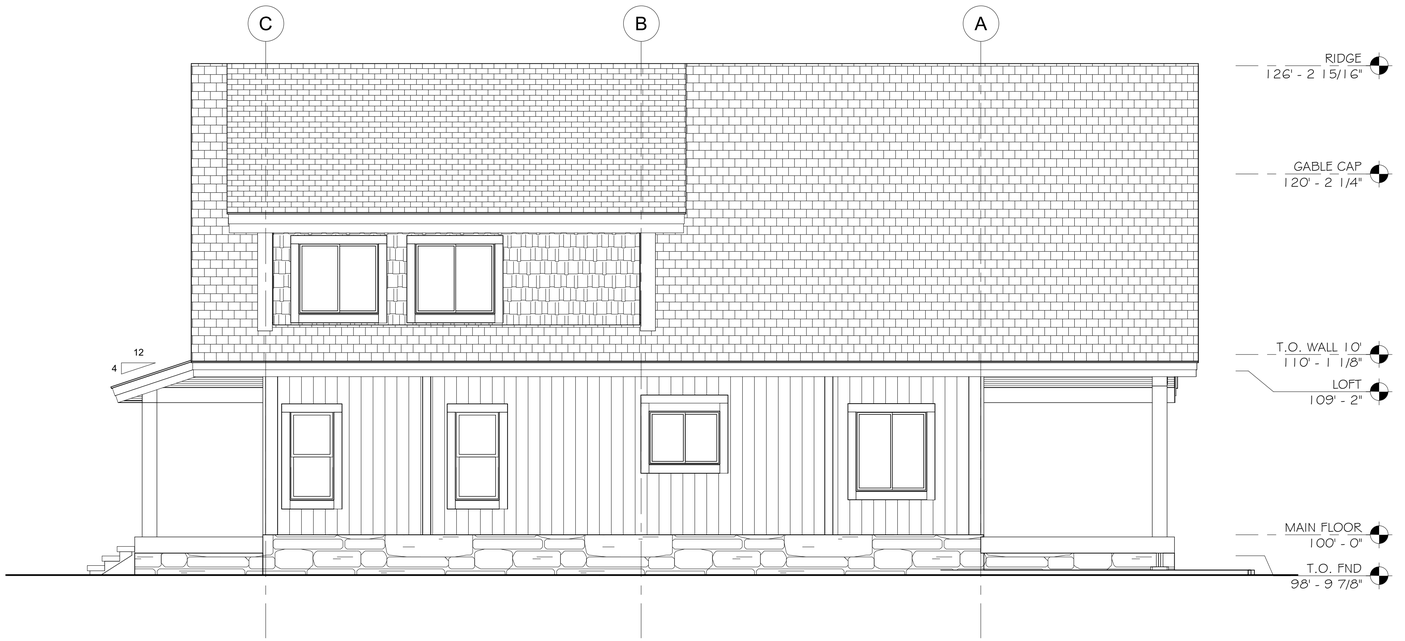
NOT FOR CONSTRUCTION

ELEVATION NOTES

1. CONTRACTOR WILL VERIFY ANY AND ALL STEPS IN FOOTINGS & FOUNDATION AS REQUIRED BY EXISTING FINISH GRADES.
2. MODIFICATIONS TO THE STRUCTURE MUST BE APPROVED BY THE A/EOR IN WRITING PRIOR TO MAKING ANY CHANGES. GRADES INDICATED ARE APPROXIMATE AND MAY BE MODIFIED SUBJECT TO FINAL SITE CONDITIONS. DRAINAGE AWAY FROM THE STRUCTURE MUST BE MAINTAINED.
3. LOTS SHALL BE GRADED TO DRAW SURFACE WATER AWAY FROM FOUNDATION WALLS. THE GRADE SHALL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST 10 FEET.
4. CONTRACTOR TO INSTALL SNOW STOPS ON ROOF.

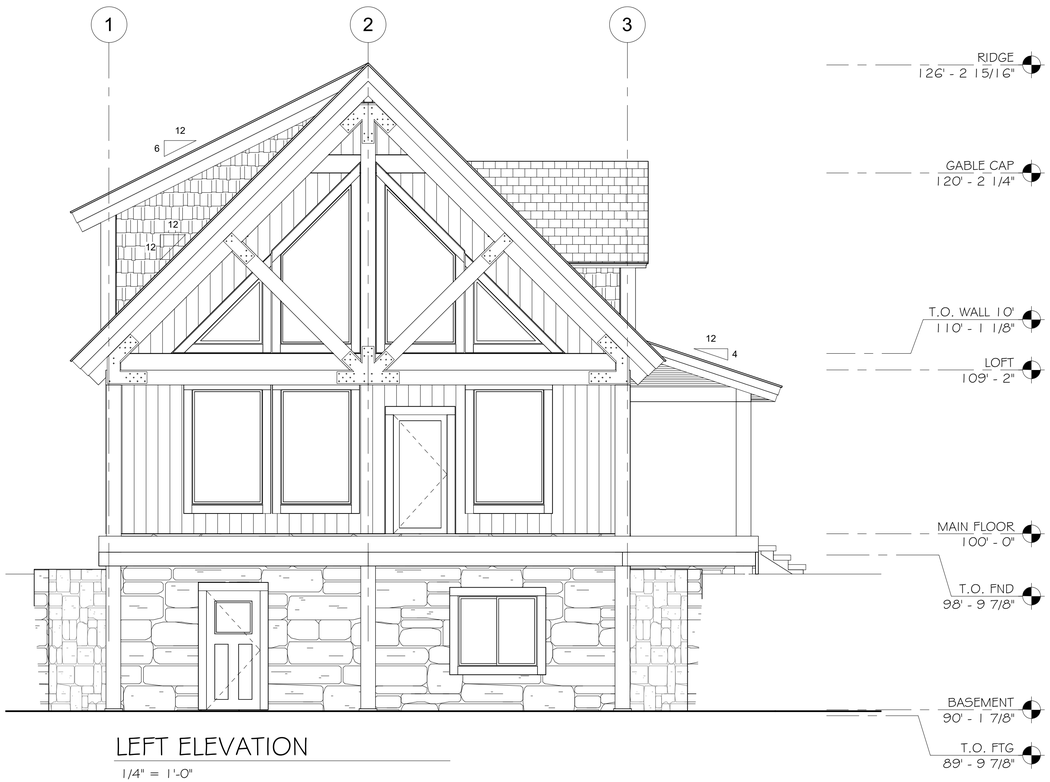
ABBREVIATIONS

O/C	INDICATES BUILDING COMPONENT PROVIDED BY OWNER/CONTRACTOR
WC	INDICATES BUILDING COMPONENT PROVIDED BY WHISPER CREEK LOG HOMES
A/EOR	INDICATES ARCHITECT/ENGINEER OF RECORD



BACK ELEVATION

1/4" = 1'-0"



LEFT ELEVATION

1/4" = 1'-0"

SHEET TITLE: BACK & LEFT ELEVATION

PLAN NO.: TBD

SHEET NO.: A2.1

Whisper Creek

1857 Hwy 93 South
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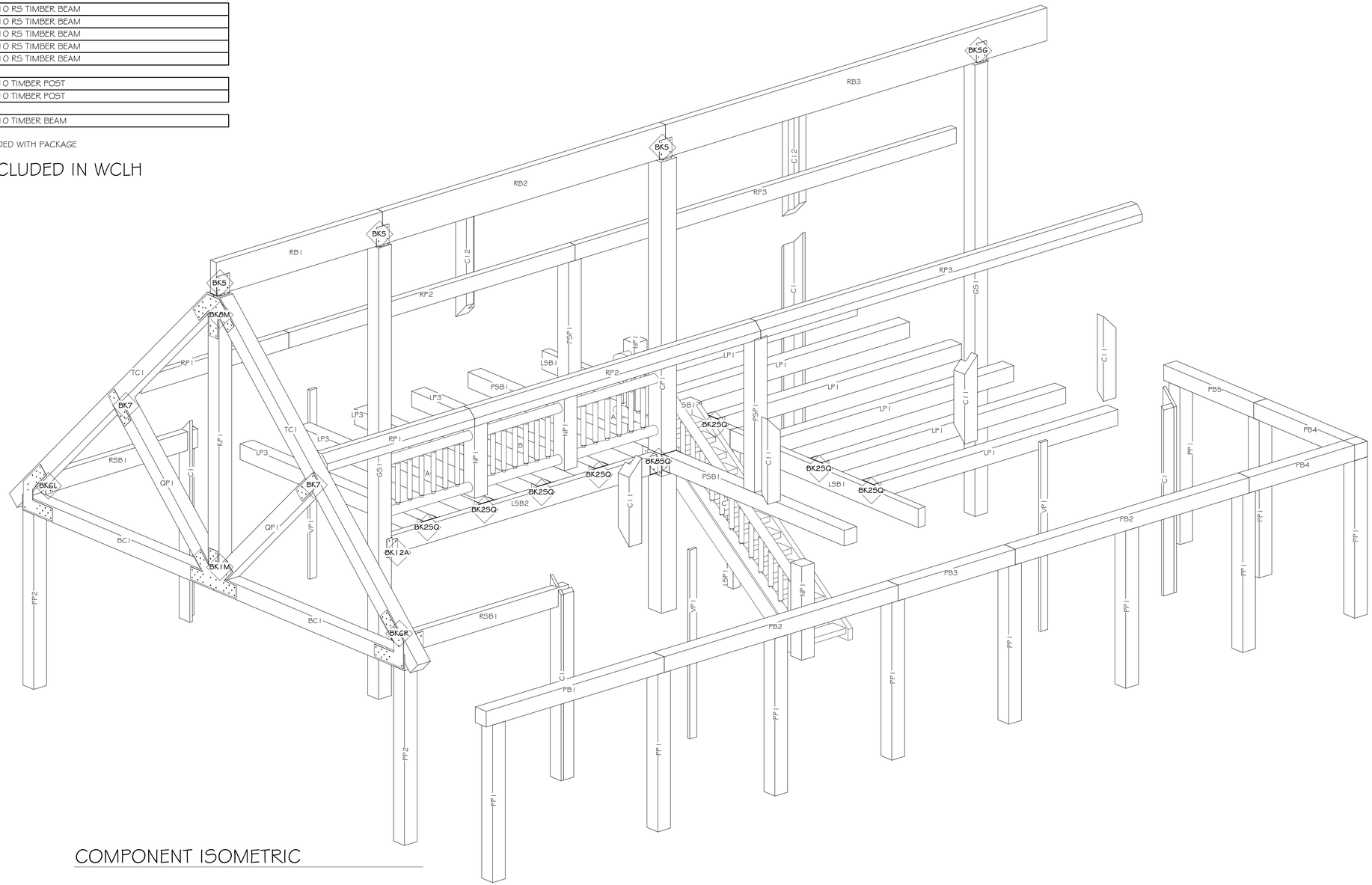
COMPONENT SCHEDULE			
ITEM #	COUNT	LENGTH	DESCRIPTION
CENTER POST			
CP1	1	24' - 1 3/8"	12x12 TIMBER POST
CORNER POST - DORMER			
C11	4	4' - 6 5/8"	10X10 TIMBER POST W/ PIE CUT, TOP & BTM PITCH CUT, BTM CUT DONE ON SITE
C12	2	6' - 5 7/8"	10X10 TIMBER POST W/ PIE CUT, TOP & BTM PITCH CUT, BTM CUT DONE ON SITE
GABLE STIFFENER			
GS1	2	24' - 1 3/8"	10X10 TIMBER POST
LOFT PURLIN			
LP1	6	16' - 0"	10 X10 TIMBER BEAM
LP3	4	14' - 1 1/8"	10X10 TIMBER BEAM
LOFT SUPPORT BEAM			
LSB1	2	14' - 5 1/4"	5 1/2" X 12" GLULAM BEAM
LSB2	1	17' - 6"	5 1/2" X 12" GLULAM BEAM
LOFT SUPPORT POST			
LSP1	1	7' - 5 1/4"	6X6 DIMENSIONAL LUMBER
NEWEL POST			
NP1	3	4' - 0"	10 X 10 TIMBER POST
NEWEL POST - STAIR			
NP1	1	5' - 0"	10 X 10 TIMBER POST
PORCH BEAM			
PB1	1	11' - 8"	10X10 RS TIMBER BEAM
PB2	2	15' - 4"	10X10 RS TIMBER BEAM
PB3	1	7' - 8"	10X10 RS TIMBER BEAM
PB4	2	7' - 9"	10X10 RS TIMBER BEAM
PB5	1	6' - 11"	10X10 RS TIMBER BEAM
PORCH POST			
PP1	10	8' - 5"	10X10 TIMBER POST
PP2	2	9' - 4 3/16"	10X10 TIMBER POST
PURLIN SUPPORT BEAM			
PSB1	2	13' - 10 1/2"	10X10 TIMBER BEAM

WCLH STANDARD TIMBER FRAMED STAIRS INCLUDED WITH PACKAGE

ONLY COMPONENTS INCLUDED IN WCLH PACKAGE ARE SHOWN

COMPONENT SCHEDULE			
ITEM #	COUNT	LENGTH	DESCRIPTION
PURLIN SUPPORT POST			
PSP1	2	8' - 2 1/4"	10X10 TIMBER POST
RIDGE BEAM			
RB1	1	10' - 10 5/8"	5 1/2" X 21" GLULAM BEAM, 24F-V4
RB2	1	18' - 6 1/2"	5 1/2" X 21" GLULAM BEAM, 24F-V4
RB3	1	25' - 0"	5 1/2" X 21" GLULAM BEAM, 24F-V4
ROOF PURLIN			
RP1	2	9' - 8"	10X10 TIMBER BEAM
RP2	2	18' - 9"	10X10 TIMBER BEAM
RP3	2	25' - 0"	10X10 TIMBER BEAM
ROOF SUPPORT BEAM			
RSB1	2	10' - 0 1/2"	5 1/2" X 12" GLULAM BEAM, 24F-V4
STAIR BLOCKING			
SB1	1	4' - 10"	10" X 10" TIMBER NOTCHED FOR LSB1 & PSB1
VERTICAL POSTS			
VP1	4	10' - 1 1/8"	9IN DIA LOG POST W/ THREE SIDES
W-TRUSS			
BC1	2	14' - 8 1/16"	10 X 10 ROUGH SAWN TIMBER - TRUSS BOTTOM CHORD
KP1	1	14' - 3 1/16"	10 X 10 ROUGH SAWN TIMBER - TRUSS KING POST
QP1	2	9' - 9 3/8"	10 X 10 ROUGH SAWN TIMBER - TRUSS QUEEN POST
TC1	2	21' - 9 13/16"	10 X 10 ROUGH SAWN TIMBER - TRUSS TOP CHORD

BRACKET SCHEDULE		
BRACKET #	COUNT	DESCRIPTION
BK25Q	10	LOFT PURLIN SADDLE
BK5	3	CENTER POST TO RIDGE BEAM
BK5G	1	KING GABLE POST TO RIDGE BEAM
BK85Q	1	12X12 CENTER POST W/ (2) 10X10 SADDLES (3&9 O'CLOCK) & 5 1/2" GLB SADDLE (6 O'CLOCK)
BK8M	1	KING POST TO TOP CHORD CONNECTION
BK12A	1	LOFT SUPPORT BEAM SADDLE
BK6L	1	BOTTOM CHORD TO TOP CHORD CONNECTION
BK6R	1	BOTTOM CHORD TO TOP CHORD CONNECTION
BK1M	1	KING POST & QUEEN POST TO BOTTOM CHORD CONNECTION
BK7	2	QUEEN POST TO TOP CHORD CONNECTION
BK55	(1) SET OF 4	ANGLED RAIL BRACKET
BK56X	(8) SET OF 4	STRAIGHT RAIL BRACKET



COMPONENT ISOMETRIC

SHEET TITLE: COMPONENT ISOMETRIC

PLAN NO.: TBD

SHEET NO.: A4.0

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