NOT FOR CONSTRUCTION



Whisper Creek



DESIGN CRITERIA
GOVERNING CODES

WCLH DESIGN CRITERIA
E

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

5039'

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 A/EOR, 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 A/EOR 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.

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	
A1.1	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

AREA SCHEDULE	
NAME	AREA
MAIN FLOOR	2335 SF
LOFT	1090 SF
	3425 SF
GARAGE	1276 SF
	1276 SF

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: ELK RIDGE LOFTED

OWNER:

ADDRESS:

DRAWING TITLE: COVER SHEET

PROJECT NO.:
PLAN NO.: TBD
DRAWN BY: JCF
CHECKED BY: MANAGER
DATE: 5/14/2021 12:15:58 PM
SHEET NO.: A0.0

NOT FOR CONSTRUCTION

FLOOR PLAN NOTES

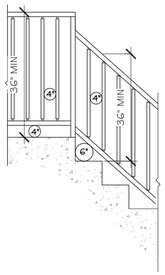
1. CONTRACTOR WILL VERIFY ALL DIMENSIONS & CONDITIONS SHOWN ON THESE PLANS AND W/ BUILDING SITE PRIOR TO COMMENCING ANY WORK ON PROJECT.
2. ALL EXTERIOR WALLS ARE DIMENSIONED TO THE FACE OF SHEATHING OR FOUNDATION. ALL INTERIOR WALLS ARE DIMENSIONED TO THE FACE OF STUDS.
3. THERE SHALL BE A FLOOR OR 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

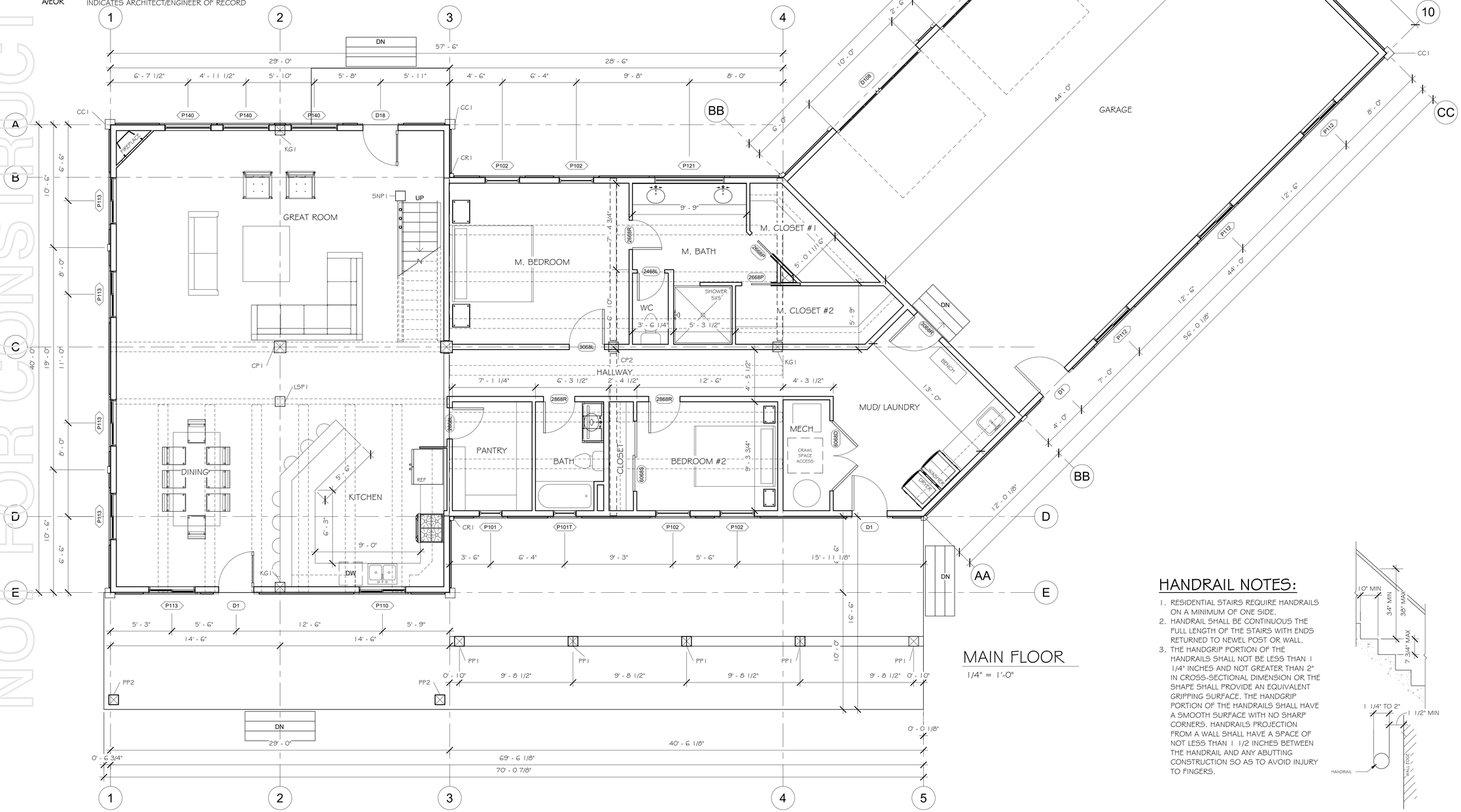
GUARDRAIL NOTES:

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.



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"

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.

SHEET TITLE: MAIN FLOOR PLAN
PLAN NO.: TBD
SHEET NO.: A1.1

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1857 Hwy 93 South
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PRELIMINARY PLAN SET

REVISIONS

No.	By:	Date:	

PROJECT NAME: **ELK RIDGE LOFTED**

OWNER:

ADDRESS:

DRAWING TITLE: **MAIN FLOOR PLAN**

PROJECT NO.: TBD
DRAWN BY: JCF
CHECKED BY: MANAGER
DATE: 5/14/2021 12:15:59 PM
SHEET NO.: A1.1

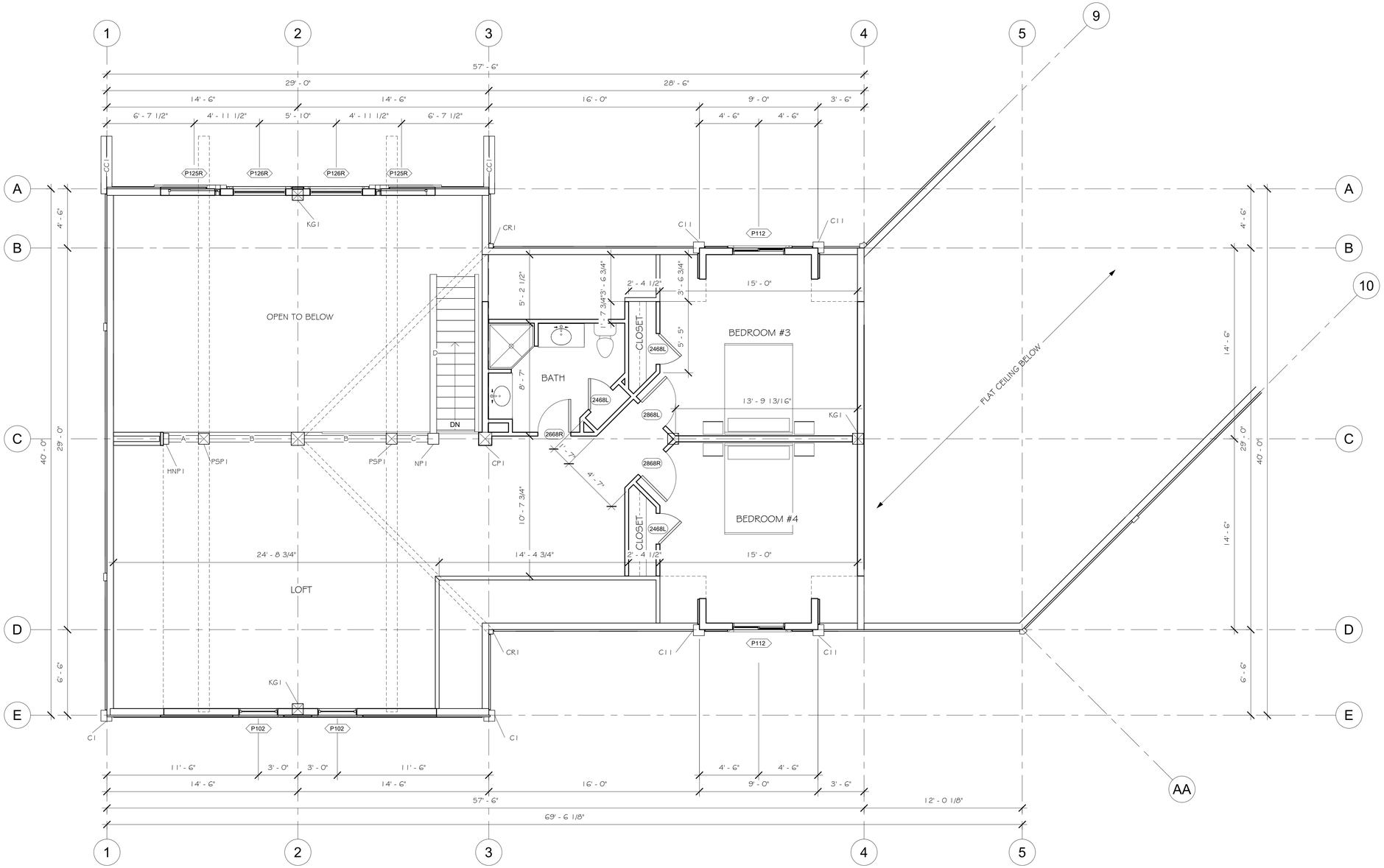
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FLOOR PLAN NOTES

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



LOFT

1/4" = 1'-0"

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

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PRELIMINARY PLAN SET

REVISIONS

No.	By:	Date:	

PROJECT NAME: ELK RIDGE LOFTED

OWNER:

ADDRESS:

DRAWING TITLE: LOFT FLOOR PLAN

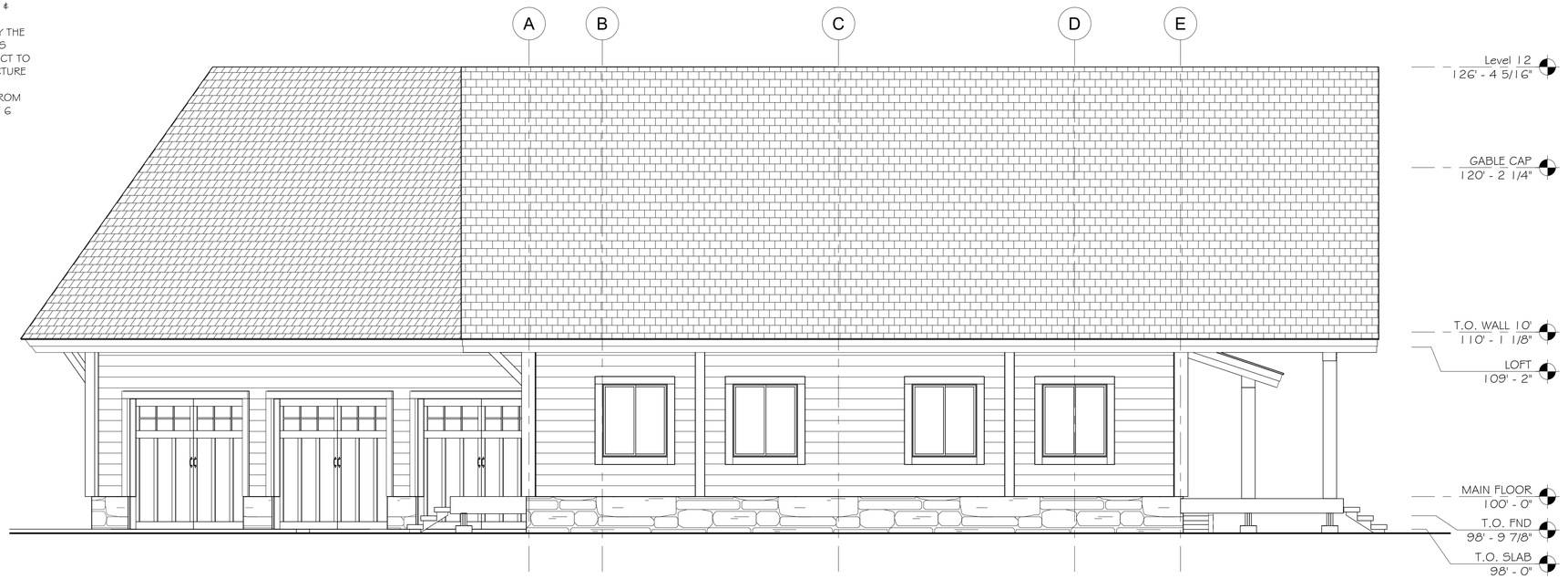
PROJECT NO.:
PLAN NO.: TBD
DRAWN BY: JCF
CHECKED BY: MANAGER
DATE: 5/14/2021 12:16:00 PM
SHEET NO.: A1.2

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.

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RIGHT ELEVATION

1/4" = 1'-0"



BACK ELEVATION

1/4" = 1'-0"

NOT FOR CONSTRUCTION

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: **ELK RIDGE LOFTED**

OWNER:

ADDRESS:

DRAWING TITLE: **FRONT & RIGHT ELEVATION**

PROJECT NO.:

DRAWN BY: JCF

CHECKED BY: MANAGER

DATE: 5/14/2021 12:16:02 PM

SHEET NO.: A2.0

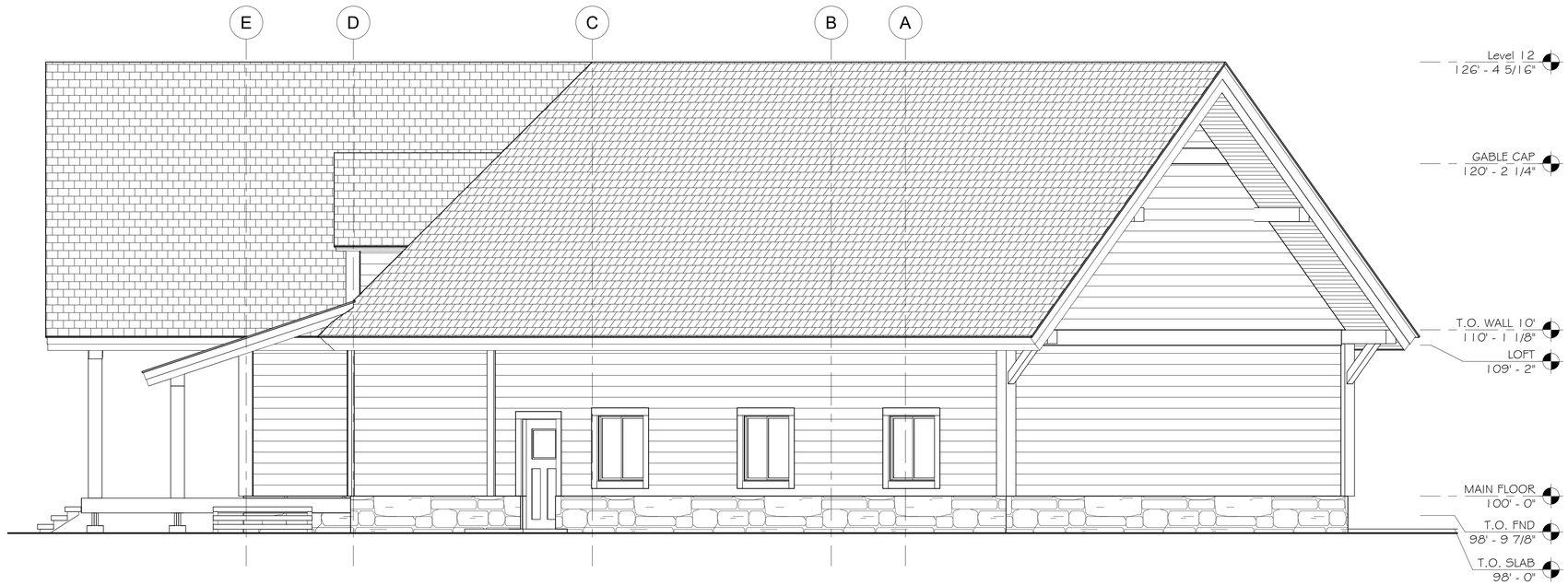
PLAN NO.: TBD

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LEFT ELEVATION

1/4" = 1'-0"



FRONT ELEVATION

1/4" = 1'-0"

NOT FOR CONSTRUCTION

SHEET TITLE: BACK & LEFT ELEVATION

PLAN NO.: TBD

SHEET NO.: A2.1

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PRELIMINARY PLAN SET

REVISIONS

No.	By:	Date:	

PROJECT NAME: **ELK RIDGE LOFTED**

OWNER:

ADDRESS:

DRAWING TITLE: **BACK & LEFT ELEVATION**

PROJECT NO.:

DRAWN BY: JCF

CHECKED BY: MANAGER

DATE: 5/14/2021 12:16:04 PM

SHEET NO.: A2.1

PLAN NO.: TBD

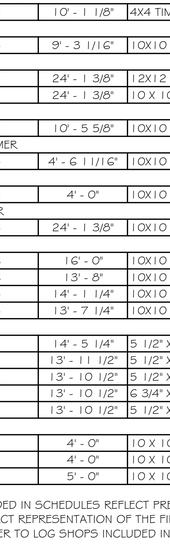
NOT FOR CONSTRUCTION

COMPONENT SCHEDULE			
ITEM #	COUNT	LENGTH	DESCRIPTION
ATTACHMENT WALL CORNER			
CR1	2	10' - 1 1/8"	4X4 TIMBER POST
CANTILEVER CORNER			
CC1	4	9' - 3 1/16"	10X10 TIMBER POST W/ PIE CUT & 10X10 PURLIN ARM & KNEE BRACE
CENTER POST			
CP1	2	24' - 1 3/8"	12X12 TIMBER POST
CP2	1	24' - 1 3/8"	10 X 10 TIMBER POST
CORNER POST			
C1	2	10' - 5 5/8"	10X10 TIMBER POST W/ PIE CUT & NOTCHED FOR RSB1
CORNER POST - DORMER			
C11	4	4' - 6 11/16"	10X10 TIMBER POST W/ TOP & BTM PITCH CUT - BTM DONE ON SITE
FAKE PURLIN			
FP1	2	4' - 0"	10X10 TIMBER BEAM W/ ANGLE FLAT CUT
KING GABLE STIFFENER			
KG1	3	24' - 1 3/8"	10X10 TIMBER POST
LOFT PURLIN			
LP1	6	16' - 0"	10X10 TIMBER BEAM
LP2	6	13' - 8"	10X10 TIMBER BEAM
LP3	3	14' - 1 1/4"	10X10 TIMBER BEAM
LP4	3	13' - 7 1/4"	10X10 TIMBER BEAM
LOFT SUPPORT BEAM			
LSB1	1	14' - 5 1/4"	5 1/2" X 12" GLULAM BEAM
LSB2	1	13' - 11 1/2"	5 1/2" X 12" GLULAM BEAM
LSB3	2	13' - 10 1/2"	5 1/2" X 12" GLULAM BEAM
LSB4	2	13' - 10 1/2"	6 3/4" X 12" GLULAM BEAM
LSB5	1	13' - 10 1/2"	5 1/2" X 12" GLULAM BEAM
NEWEL POST			
HNP1	1	4' - 0"	10 X 10 TIMBER POST
NP1	1	4' - 0"	10 X 10 TIMBER POST
SNP1	1	5' - 0"	10 X 10 TIMBER POST

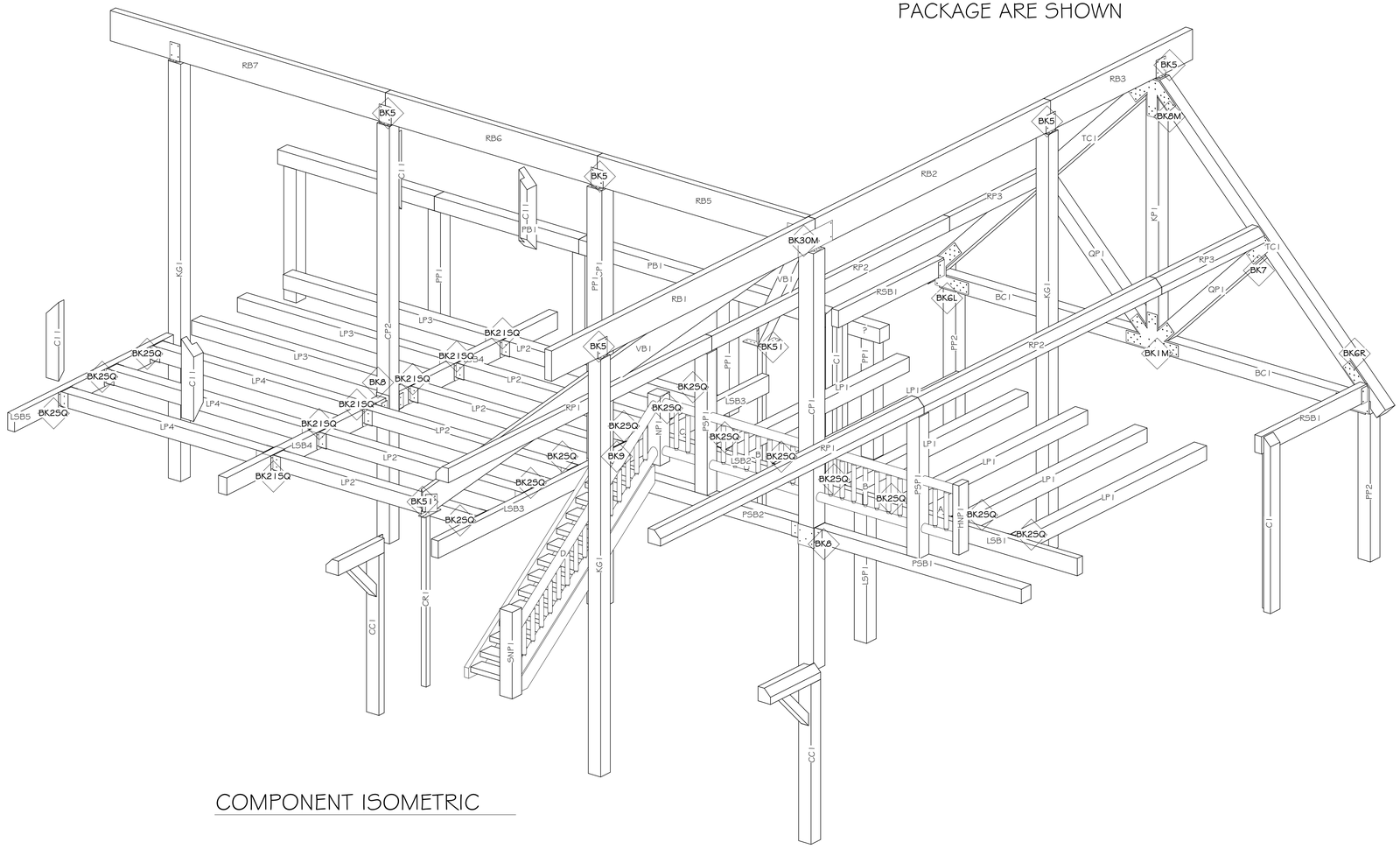
COMPONENT SCHEDULE			
ITEM #	COUNT	LENGTH	DESCRIPTION
PORCH BEAM			
	2	10' - 6 1/2"	10X10 TIMBER BEAM
PB1	2	9' - 8 1/2"	10X10 TIMBER BEAM
PORCH POST			
PP1	5	7' - 8 1/2"	10X10 TIMBER POST
PP2	2	9' - 5 1/4"	10X10 TIMBER POST
PURLIN SUPPORT BEAM			
PSB1	1	13' - 10 1/2"	10 X 10 TIMBER BEAM
PSB2	1	13' - 1 1/4"	10X10 TIMBER BEAM
PURLIN SUPPORT POST			
PSP1	2	8' - 2 1/8"	10X10 TIMBER POST
RIDGE BEAM			
RB1	1	23' - 0"	5 1/2" X 21" GLULAM BEAM
RB2	1	20' - 6 1/2"	5 1/2" X 21" GLULAM BEAM
RB3	1	12' - 4 3/4"	5 1/2" X 21" GLULAM BEAM
RB5	1	14' - 0"	5 1/2" X 21" GLULAM BEAM
RB6	1	14' - 3"	5 1/2" X 21" GLULAM BEAM
RB7	1	18' - 6"	5 1/2" X 21" GLULAM BEAM
ROOF PURLINS			
RP1	2	23' - 0"	10X10 TIMBER BEAM W/ ANGLE FLAT CUT
RP2	2	20' - 9"	10X10 TIMBER BEAM W/ ANGLE FLAT CUT
RP3	2	8' - 11 3/4"	10X10 TIMBER BEAM W/ ANGLE FLAT CUT
ROOF SUPPORT BEAM			
RSB1	2	9' - 2 1/4"	5 1/2" X 12" GLULAM BEAM
VALLEY BEAM			
VB1	2	24' - 10 3/8"	5 1/2" X 15" GLULAM BEAM, 24F-V4
W-TRUSS			
BC1	2	14' - 3 15/16"	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

*DIMENSIONS INCLUDED IN SCHEDULES REFLECT PRELIMINARY DESIGN FOR THIS PROJECT AND ARE NOT AN EXACT REPRESENTATION OF THE FINALIZED COMPONENTS. FOR EXACT SPECIFICATIONS REFER TO LOG SHOPS INCLUDED IN FINAL STAMPED PLANS.

*WCLH STANDARD TIMBER FRAMED STAIRS INCLUDED WITH PACKAGE



WING COMPONENTS



COMPONENT ISOMETRIC

BRACKET SCHEDULE		
BRACKET #	COUNT	DESCRIPTION
BK25Q	15	LOFT PURLIN SADDLE TO GLB
BK5	5	CENTER POST TO RIDGE BEAM
BK5G	1	KING GABLE POST TO RIDGE BEAM
BK8	1	CENTER POST W/ (2) TIMBER LSB SADDLES
BK9	1	CENTER POST W/ (2) GLB SADDLES AND TIMBER LOFT SUPPORT BEAM SADDLE
BK8M	1	KING POST TO TOP CHORD CONNECTION
BK12	1	LOFT SUPPORT BEAM SADDLE
BK6R	1	BOTTOM CHORD TO TOP CHORD CONNECTION
BK6L	1	BOTTOM CHORD TO TOP CHORD CONNECTION
BK1M	1	KING POST & QUEEN POST TO BOTTOM CHORD CONNECTION
BK51	2	VALLY BEAM TO WALLS
BK7	2	QUEEN POST TO TOP CHORD CONNECTION
BK55	(1) SET OF 4	ANGLED RAIL BRACKET
BK56X	(4) SET OF 4	STRAIGHT RAIL BRACKET

ONLY COMPONENTS INCLUDED IN WCLH PACKAGE ARE SHOWN

SHEET TITLE: COMPONENT ISOMETRIC
PLAN NO.: TBD
SHEET NO.: A4.0

Whisper Creek
1857 Hwy 93 South
Hamilton, MT 59840
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PRELIMINARY PLAN SET

REVISIONS			
No.	By:	Date:	

PROJECT NAME: ELK RIDGE LOFTED

OWNER:

ADDRESS:

DRAWING TITLE: COMPONENT ISOMETRIC

PROJECT NO.:

DRAWN BY: JCF

CHECKED BY: MANAGER

DATE: 5/14/2021 12:16:05 PM

SHEET NO.: A4.0

PLAN NO.: TBD