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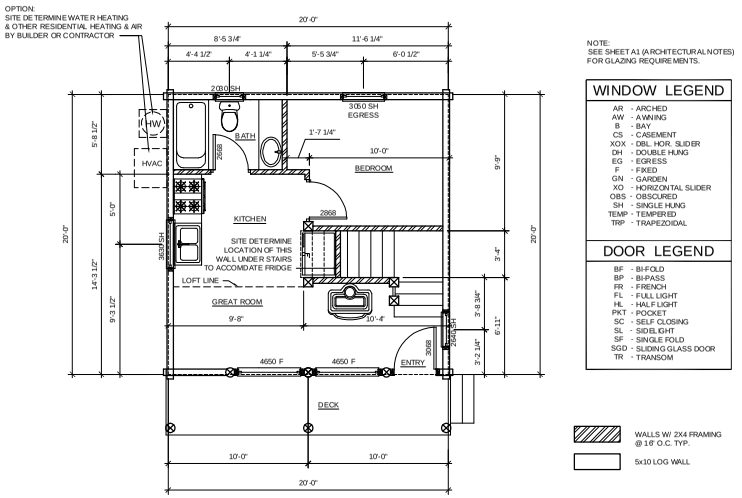


FIRST FLOOR PLAN

LIVABLE AREA: 400 SQ. FT.
FRONT DECK AREA: 86 SQ. FT.

NOTE:
SEE SHEET A1 (ARCHITECTURAL NOTES) FOR GLAZING REQUIREMENTS.

WINDOW LEGEND

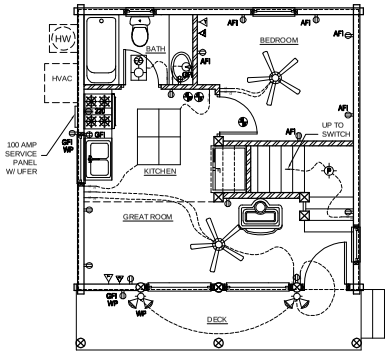
AR	- ARCHED
AW	- AWNING
B	- BAY
CS	- CASEMENT
XOX	- DBL. HOR. SLIDER
DH	- DOUBLE HUNG
EG	- EGRESS
F	- FIXED
GN	- GARDEN
XO	- HORIZONTAL SLIDER
OBS	- OBSCURED
SH	- SINGLE HUNG
TEMP	- TEMPERED
TRP	- TRAPEZOIDAL

DOOR LEGEND

BF	- BI-FOLD
BP	- BI-PASS
FR	- FRENCH
FL	- FULL LIGHT
HL	- HALF LIGHT
PKT	- POCKET
SC	- SELF CLOSING
SL	- SIDELIGHT
SF	- SINGLE FOLD
SGD	- SLIDING GLASS DOOR
TR	- TRANSOM

WALLS W/ 2X4 FRAMING @ 16' O.C. TYP.

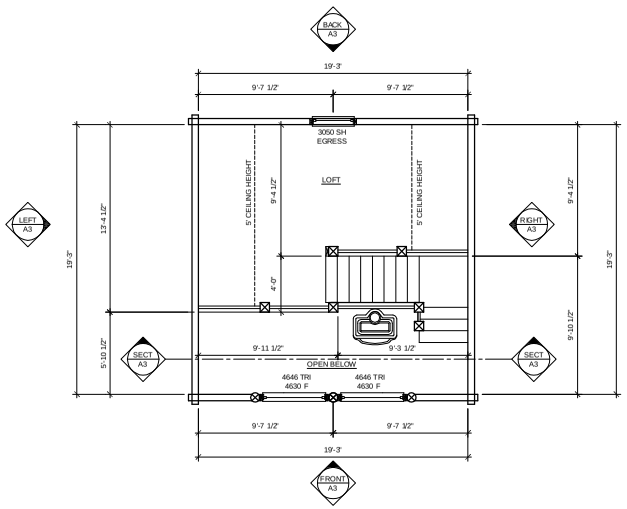
5x10 LOG WALL



FIRST FLOOR ELECTRICAL PLAN

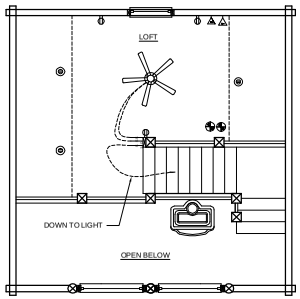
LEGEND

- CONDUIT CONCEALED IN CEILING
- DOOR BELL BUTTON
- DOOR CHIME
- THERMOSTAT WIRING
- OCCUPANCY SENSORS, NO MANUEL OVERRIDE, 20 MIN. MAX TIMER & BE MICROWAVE/BUILTIN/ACOMC OR PASSIVE INFRA -RED TYPE
- 220 VOLT OUTLET FOR APPLIANCE ON DEDICATED CIRCUIT
- 110 VOLT DUPLEX WALL OUTLET INSTALLED ABOVE COUNTER, +48" A.F.F. TYP., U.N.O.
- 110 VOLT DUPLEX WALL OUTLET, 12" A.F.F. TYP., U.N.O.
- TV
- TELEPHONE
- SINGLE POLE WALL SWITCH, +44" TYP. U.N.O.
- 3-WAY SWITCH, +44" TYP. U.N.O.
- 4-WAY SWITCH, +44" TYP. U.N.O.
- DIMMER SWITCH, +44" TYP. U.N.O.
- SWITCH PILOT INDICATOR
- WALL MOUNTED LIGHT FIXTURE
- FLOURESCENT LIGHTING
- FLOOR OUTLET SINGLE
- SIDEWALL ROOF OUTLET DOUBLE
- CEILING MOUNTED PENDANT LIGHT FIXTURE
- CEILING SURFACE MOUNTED LIGHT FIXTURE
- RECESSED CEILING EYEBALL TYPE LIGHT FIXTURE
- RECESSED CEILING LIGHT FIXTURE - I.C. RATED
- CEILING MOUNTED EXHAUST FAN w/ FLUORESCENT LIGHT FIXTURE
- CEILING MOUNTED EXHAUST FAN
- SMOKE DETECTOR- AC/DC POWERED AND INTER-CONNECTED
- CARBON MONOXIDE DECTOR
- AFI ARC FAULT INTERRUPT CIRCUIT
- GFI GROUND FAULT INTERRUPT CIRCUIT
- WP WEATHER PROOF FIXTURE INDICATION
- WALL MOUNTED PHOTOCONTROL/ACTION SENSOR COMBINATION FLOOD LIGHTS, WET LOCATION LISTED
- FLUORESCENT LIGHT FIXTURE w/ ACRYLIC LENSE
- CEILING RECESSED OR HANGING FLUORESCENT LIGHT FIXTURE w/ ACRYLIC LENSE
- CEILING FAN w/ LIGHT FIXTURE



SECOND FLOOR PLAN

LOFT AREA: 126 SQ. FT. (OVER 5')



SECOND FLOOR ELECTRICAL PLAN

ELECTRICAL:

A) ALL RECEPTACLE OUTLET LOCATIONS SHALL COMPLY WITH STATE, COUNTY & LOCAL CODES.
B) BATHROOM RECEPTACLE OUTLETS SHALL BE SUPPLIED BY A MINIMUM OF ONE 20-AMPERE BRANCH CIRCUIT. SUCH CIRCUITS SHALL HAVE NO OTHER OUTLETS. THIS CIRCUIT MAY SERVE MORE THAN ONE BATHROOM.
C) ALL 125- VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN BATHROOMS, GARAGES, BASEMENTS, OUTDOORS, KITCHEN COUNTERS AND AT WET BAR SINKS SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION.
D) THE SMALL APPLIANCE BRANCH CIRCUITS FOR THE KITCHEN ARE LIMITED TO SUPPLYING WALL AND COUNTER SPACE OUTLETS. THEY CANNOT SERVE THE DINING ROOM, OUTSIDE PLUGS, RANGE HOOD DISPOSALS, DISHWASHERS OR MICROWAVES - ONLY THE REQUIRED COUNTERTOP WALL OUTLETS INCLUDING THE REFRIGERATOR).
E) LIGHTS IN CLOSETS SHALL BE INSTALLED WITH CLEARANCES AS DERMINED WITH STATE, COUNTY & LOCAL CODES.
F) RECESSED LIGHT FIXTURES SHALL BE IC RATED.
G) BATHROOM LIGHTING REQUIREMENTS: REQUIRE A HIGH-EFFICIENCY LIGHT SOURCE IN EACH ROOM WITH A SHOWER OR BATHTUB. A HIGH-EFFICIENCY FIXTURE IN THE TOILET ROOM ALONE NO LONGER SATISFIES THIS REQUIREMENT. NOTE: AN ALTERNATIVE TO THE BATHROOM LIGHTING IS TO INSTALL BOTH OF THE FOLLOWING: (1.) A HIGH-EFFICIENCY LAMP IN A UTILITY ROOM, LAUNDRY ROOM OR GARAGE AND (2.) ALL LIGHTS PERMANENTLY MOUNTED TO THE EXTERIOR OF THE RESIDENCE FOR OUTDOOR LIGHTING MUST HAVE EITHER HIGH-EFFICIENCY LAMPS OR BE EQUIPPED WITH A MOTION SENSOR.
H) ONE OUTLET ON A 5&P-RATE 20-AMP CIRCUIT MUST BE PROVIDED FOR THE LAUNDRY AREA AND BE WITHIN SIX FEET OF THE INTENDED LOCATION OF THE APPLIANCE. CEC ART. 220-4. THIS CIRCUIT SHALL HAVE NO OTHER OUTLETS.
I) AT LEAST ONE GRADE-LEVEL GFCI-PROTECTED RECEPTACLE SHALL BE INSTALLED AT THE FRONT AND BACK OF THE DWELLING.
J) AT LEAST ONE WALL SWITCH-CONTROLLED LIGHTING OUTLET SHALL BE INSTALLED IN EVERY HABITABLE ROOM, IN BATHROOMS, HALLWAYS, STAIRWAYS, ATTACHED GARAGE, AND AT OUTDOOR ENTRANCES. EXCEPTION: IN HABITABLE ROOMS, OTHER THAN KITCHENS AND BASEMENT, ONE OR MORE RECEPTACLES CONTROLLED BY A WALL SWITCH SHALL BE PERMITTED IN LIEU OF A LIGHTING OUTLET.
K) LIGHTING SHALL BE PROVIDED AT ATTIC AND UNDER FLOOR CRAWL AREA WITH A LIGHTED SWITCH LOCATED AT THE OPENING.
L) ELECTRICAL CONNECTIONS: 1. ALL ALUMINUM CONDUCTORS SIZE 1/0 AND LARGER SHALL BE TERMINATED WITH A COMPRESSION TYPE CONNECTOR. AN OXIDATION INHIBITOR SHALL BE USED ON ALL ALUMINUM CONNECTIONS.
M) CONDUCTOR WIRES WITH A NINSULATED NEUTRAL AND A FOUR-PRONG OUTLET ARE REQUIRED FOR THE DRYERS AND COOKING UNITS.
N) A UFER GROUND AND 8' OF DRIVEN COPPER PIPE MUST BE USED FOR ELECTRICAL GROUNDING.
O) THE ABOVE UFER GROUND MUST BE KEPT AT LEAST 8' AWAY FROM THE DRIVEN COPPER PIPE.
P) ALL OUTLETS IN BEDROOMS ARE REQUIRED TO BE ARC FAULT (AFC) CIRCUIT INTERRUPTER (S) PER CEC 210-12b. (ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT, SINGLE PHASE, 15 - AND 20 - AMPERE RECEPTACLE OUTLETS IN SFALLED IN DWELLING UNIT BEDROOMS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S))
Q) IN EVERY HABITABLE ROOM OR AREA OF DWELLING UNITS, RECEPTICLE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY WALL SPACE IS MORE THAN 6' MEASURED HORIZONTALLY, FROM AN OUTLET IN THAT SPACE, INCLUDING ANY WALL SPACE 2' OR MORE IN WIDTH AND THE WALL SPACE OCCUPIED BY FIXED PANELS IN EXTERIOR WALLS, BUT EXCLUDING SLIDING PANELS IN EXTERIOR WALL THE WALL SPACE ALLOWED BY FIXED ROOM DIVIDERS I.E. BAR-TYPE COUNTERS OR RAILINGS, SHALL BE INCLUDED IN THE 6-FOOT MEASUREMENT.
R) HIGH EFFICACY LUMINARIES MUST BE PIN BASED.
S) LUMINARIES RECESSED IN INSULATED CEILINGS MUST MEET REQUIREMENTS OF o 150(K)5.
T) LIGHTING IN BATHROOMS, AND GARAGES: ALL LUMINARIES SHALL EITHER BE HIGH EFFICACY OR SHALL BE CONTROLLED BY AN OCCUPANT SENSOR.
U) OTHER ROOMS: ALL LUMINARIES SHALL EITHER BE HIGH EFFICACY OR SHALL BE CONTROLLED BY AN OCCUPANT SENSOR OR DIMMER. CLOSETS THAT ARE LESS THAN 70 SQUARE FOOT ARE EXEMPT FROM THIS REQUIREMENT.
V) OUTDOOR LIGHTING: ALL LUMINARIES MOUNTED TO THE BUILDING OR TO OTHER BUILDINGS ON THE SAME LOT SHALL BE HIGH EFFICACY LUMINARIES OR SHALL BE CONTROLLED BY PHOTOCONTROL/MOTION SENSOR COMBINATION.

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PLANS PREPARED BY

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PROJECT INFORMATION

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ARLINGTON, VIRGINIA 22202
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WINIFRED, MONTANA 59489

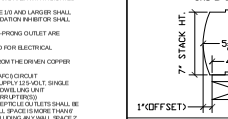
MONTANA STATE BUILDING DEPT.
406-841-2056

DRAWING NOTES/REVISIONS

06/05 /L1.3 - DESIGN CONCEPT
06/07 /L1.3 - PRE-ENGINEERING
06/07 /L1.3 - SUBMITTAL
06/28 /L1.3 - LOFT FLOOR CHANGE

LOG SPECIFICATIONS

6x8 D-LOG



DATE	SCALE
05/06/13	1/4" = 1'-0"

SHEET TITLE

FLOOR & ELECTRICAL PLAN

SHEET NUMBER

A2

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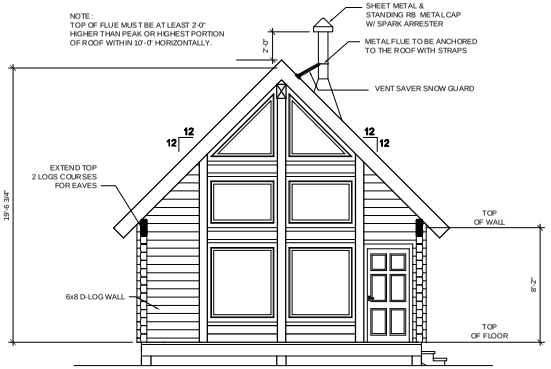
NOTE:
TOP OF FLUE MUST BE AT LEAST 2'-0"
HIGHER THAN PEAK OR HIGHEST PORTION
OF ROOF WITHIN 10'-0" HORIZONTALLY.

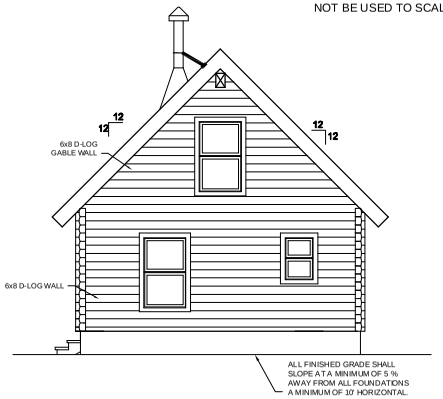


FRONT ELEVATION

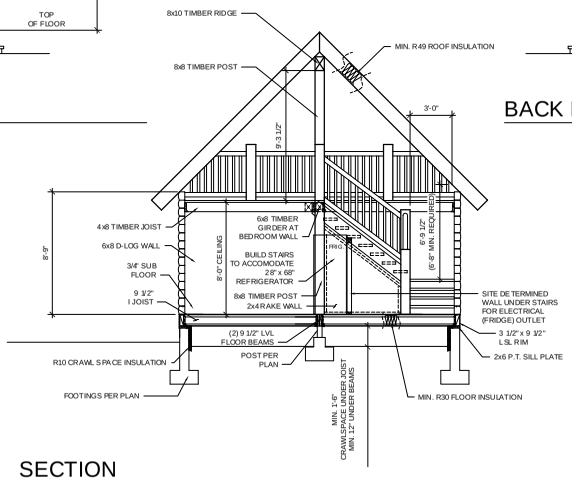
NOTES FOR METAL ROOF:
1) ROOFING TO BE METAL ROOFING MATERIALS, OVER 30# FELT.
METAL ROOFING TO BE MIN. 29 GAUGE THICKNESS.
2) ALL ROOFS SHALL HAVE AN ICE DAM UNDERLAYMENT OF 5' FROM
EDGE OR RIDGE WHICHEVER IS LESS.
3) ALL ROOF PROJECTIONS SHALL BE PROTECTED WITH AN ICE SPLITTER.
4) PROVIDE FOR ALL TYPES OF ROOF SHEET METAL VALLEY FLASHING
WITH A 36-INCH WIDE UNDERLAYMENT DIRECTLY UNDER FLASHING
AND OVER NORMALLY REQUIRED UNDERLAYMENT.

NOTES FOR SHINGLED ROOF:
1) ROOFING TO BE 40 YEAR ARCHITECTURAL GRADE TYPE A SHINGLES
OVER 30# FELT.
2) ALL ROOFS SHALL HAVE AN ICE DAM UNDERLAYMENT OF 5' FROM
EDGE OR RIDGE WHICHEVER IS LESS.
3) ALL ROOF PROJECTIONS SHALL BE PROTECTED WITH AN ICE
SPLITTER.
4) PROVIDE FOR ALL TYPES OF ROOFS SHEET METAL VALLEY
FLASHING WITH A 36-INCH WIDE #72 ASTM CAP SHEET
UNDERLAYMENT DIRECTLY UNDER FLASHING AND OVER NORMALLY
REQUIRED UNDERLAYMENT.
(VALLEY PANS ARE SHEET METAL).
5) ROOF CLASSIFICATION IS A
6) ROOFING ASSEM. INSTALLED IN ACCORDANCE TO MANF. SPEC.

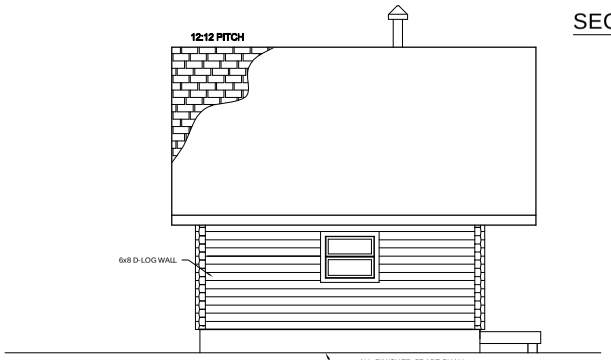
NOTE: ELEVATIONS & SECTIONS ARE
GRAPHIC ILLUSTRATIONS & SHOULD
NOT BE USED TO SCALE OR BUILD FROM.



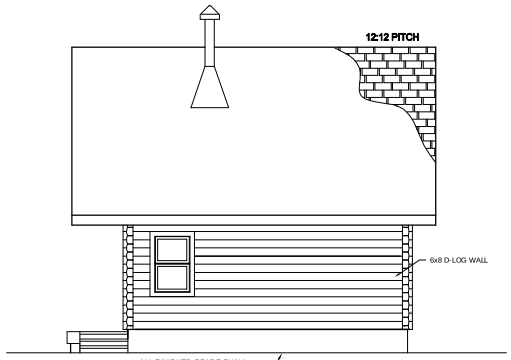
BACK ELEVATION



SECTION



LEFT ELEVATION



RIGHT ELEVATION

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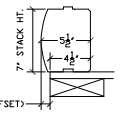

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ELEVATIONS
/ SECTION

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A3