## 1. DESIGN CRITERIA:

A. DESIGNED USING INTERNATIONAL BUILDING CODE, 2006 EDITION
B. ROOF LIVE LOAD/SNOW LOAD = 150 PSF
C. ROOF DEAD LOAD = 15 PSF
D. FLOOR LIVE LOAD = 40 PSF
E. FLOOR DEAD LOAD = 12 PSF
F. WIND SPEED = 85 MPH
G. EXPOSURE TYPE = 'C'
H. SEISMIC PARAMETERS, Ss =69.9 %
S1 =20.1 %
I. MINIMUM FROST DEPTH =28 INCHES

## 2. FOUNDATIONS & SLAB ON GRADE:

A. ALL FOOTING AND FOUNDATION DESIGNS ARE BASED ON AN ALLOWABLE SOIL BEARING CAPACITY OF 1,500 PSF BEARING ON COMPETENT NATIVE SOIL (CODE MINIMUM). IF THE SITE HAS A LOWER BEARING CAPACITY THAN ASSUMED THE FOUNDATION PLAN WILL NEED TO BE REDESIGNED. IF SOIL IS DISTURBED, COMPACT SOIL IN 6" LIFTS TO 95% MAXIMUM DRY DENSITY PER ASTM D960.

B. MINIMUM FROST DEPTH FROM LOWEST ADJACENT FINISH GRADE TO BOTTOM OF FOOTING SHALL BE MAINTAINED FOR ALL EXTERIOR FOOTINGS.

C. CONTRACTOR TO VERIFY LOCATIONS FOR STEP FOOTINGS AND FOUNDATION WALLS BASED ON SITE RELATED FINISHED GRADE, IF NECESSARY. FOOTING STEPS ARE TO BE A MAXIMUM OF (2) VERTICALLY TO (1) HORIZONTALLY.

D. ALL SLABS SHALL HAVE REINFORCING PER PLANS & CONTROL JOINTS @ 10'-0" SPACING MAX.

E. ALL STRUCTURAL FILL BELOW FOOTINGS SHALL EXTEND OUT PAST FOOTINGS AT A SLOPE OF 1 HORIZONTAL TO 2 VERTICAL TO COMPETENT SOILS.

F. PROVIDE ADEQUATE DRAINAGE BEHIND ALL WALLS TO ALLEVIATE ANY STANDING WATER.

G. ALL CONCRETE PAD & APRON LOCATIONS TO BE SECURED TO FOUNDATION WITH #4 DOWELS @ 24" O.C. EXTEND EXPOSED SIDES A MINIMUM OF 24" BELOW FINISHED GRADE.

H. MINIMUM CONCRETE SLAB DEPTH IS 4".

## 3. CONCRETE:

A. THE MINIMUM COMPRESSIVE STRENGTHS FOR CONCRETE AT 28 DAYS SHALL BE AS FOLLOWS (DESIGNED USING 2,500 PSI):
1. ALL FOOTINGS, FOUNDATIONS, AND STEM WALLS f'c =3,000 PSI
2. SLABS ON GRADE f'c =3,500 PSI

B. MINIMUM CLEAR PROTECTION FOR REINFORCEMENT SHALL BE AS FOLLOWS:
1. PLACED DIRECTLY AGAINST EARTH 3"
2. FORMED SURFACES #5 BARS OR SMALLER 1-1/2"
3. STRUCTURAL SLABS 1"

C. SAWN CONTROL & CONSTRUCTION JOINTS SHALL BE MADE AS SOON AS POSSIBLE WITHOUT DAMAGE TO THE SURFACE. FILLING OF SAWN JOINTS WHERE REQUIRED SHALL BE DELAYED AS LONG AS POSSIBLE TO ALLOW MAXIMUM SHRINKAGE TO OCCUR IN SLABS.

D. ALL EMBEDDED ANCHOR BOLTS SHALL BE A36 OR A307 STEEL W/ 7" MIN. EMBEDMENT. ANCHOR BOLTS TO BE WITHIN 1'-0" OF SILL PLATE ENDS, WITH A MIN. OF TWO PER WALL AND NO CLOSER THAN 6" FROM CONCRETE WALL CORNERS. REFER TO LOG MANUFACTURERS SPECIFIC BOLT PLAN FOR LOG WALL ANCHORS. DO NOT POUR FOUNDATION WITH OUT LOG MANUFACTURERS BOLT PLAN.

E. WET SETTING OF REINFORCING BARS IN FOOTINGS AND WALLS IS NOT ALLOWED.

F. BLOCK-OUT ALL STEM WALLS @ ENTRIES AS REQUIRED.

G. CONCRETE FORM WORK TO BE OF ADEQUATE STRENGTH AND BRACED TO PREVENT DEFORMATION.

H. PROTECT ALL CONCRETE FROM FREEZING.

I. ALL LOWER LEVEL AND RETAINING WALLS WHICH HAVE FILL HIGHER THAN AN INTERIOR FLOOR LEVEL SHALL HAVE AN APPROVED WATERPROOFING MEMBRANE APPLIED.

J. PROVIDE ADEQUATE TEMPORARY BRACING OF CONCRETE AND/OR CMU RETAINING WALLS DURING BACKFILL PRIOR TO INSTALLATION OF MAIN FLOOR FRAMING AND BASEMENT CONCRETE SLAB ON GRADES. WALL DESIGNS ARE BASED ON TOP OF WALL RESTRAINED BY FINISHED FLOOR SYSTEM AND RESISTING SLIDING BY HAVING BASEMENT CONCRETE SLAB ON GRADE FLOOR INSTALLED.

K. IT IS RECOMMENDED THAT ALL GRADING, EXCAVATION, AND INSTALLATION OF FOUNDATIONS BE PERFORMED UNDER THE INSPECTION AND TESTING OF A QUALIFIED GEOTECHNICAL CONSULTANT DURING THE CRITICAL STAGES OF CONSTRUCTION.

L. STAIN & TEXTURE OF EXPOSED CONCRETE SURFACES PER OWNER'S DIRECTION.

## 4. REINFORCING STEEL:

A. ASTM A615, GRADE 40. BARS TO BE WELDED SHALL BE ASTM A706, GRADE 40.

B. MINIMUM LENGTH OF LAPPED SPLICES SHALL BE 48 TIMES BAR DIAMETER UNLESS NOTED OTHERWISE. STAGGER SPLICES IN WALLS SO THAT NO TWO ADJACENT BARS ARE SPLICED IN THE SAME LOCATION.

C. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185, Fy = 75,000 PSI.

D. REINFORCING SHALL BE CONTINUOUS THROUGH ALL COLD JOINTS.

E. PROVIDE CORNER BARS W/ 48" LEGS AT CORNERS AND INTERSECTING WALLS AND FOOTINGS, SIZE AND PLACEMENT TO MATCH HORIZONTAL REINFORCEMENT.

F. PROVIDE #4 HORIZONTALS AT TOP OF WALL, CONT. IN FOOTINGS, AND ABOVE ALL OPENINGS. PROVIDE #4 HORIZONTALS AT ALL INTERSECTING FLOORS AND ROOF LEVELS, BOTTOM OF ALL WINDOWS AND AT 10'-0" O.C. MAXIMUM OR PER PLANS.

G. PROVIDE #4 VERTICALS AT 24" O.C. W/ STANDARD HOOK EXTENDING INTO FOOTING AT EACH SIDE OF WALL OPENINGS AND AT EACH END OF WALLS.

H. PROVIDE FOUNDATION HOLDOWNS AT ALL SHEAR WALL LOCATIONS PER PLAN, IF APPLICABLE.

## 5. WOOD FRAMING:

A. STRUCTURAL LUMBER SHALL BE DOUGLAS FIR-LARCH (DF-L) #2 OR BETTER.

B. WOOD INSTALLED WITHIN 1" OF CONCRETE OR MASONRY SHALL BE REDWOOD OR PRESSURE TREATED.

C. PROVIDE WET USE ADHESIVES.

D. MAXIMUM LUMBER MOISTURE CONTENTS SHALL BE 15%.

E. ALL FRAMING DETAILS SHALL BE IN ACCORDANCE WITH THE ADOPTED CODE.

F. PROVIDE SOLID BLOCKING BELOW ALL BEARING WALLS AND POSTS. PROVIDE BLOCKING @ 24" O.C. @ JOISTS PARALLEL WITH BEARING WALLS ABOVE.

G. MINIMUM HEADER AT BEARING WALL TO BE 4X8 WITH 4X6 BEARING STUD PLUS KING STUD EACH SIDE. HEADERS WITH LARGER LOADING WILL BE CALLED OUT IN PLANS.

H. BLOCK AND NAIL ALL HORIZONTAL PANEL EDGES AT SHEAR WALLS.
1. ROOF SHEATHING: 19/32" CDX MIN. (32/16) SPAN RATING 10D @ 2 1/2" O.C. EDGE AND 12" O.C. FIELD U.N.O.
2. FLOOR SHEATHING: 3/4" CDX MIN. (48/24) SPAN RATING 10D @ 6" O.C. EDGE AND 12" O.C. FIELD U.N.O.
3. EXT. WALL SHEATHING: 15/32" CDX MIN. (24/0) SPAN RATING ALL SPAN RATINGS TO MEET LOCAL CODES.

I. ORIENTED STRAND BOARD (OSB) WITH THE SAME SPAN RATING MAY BE SUBSTITUTED.

J. ALL EXTERIOR WALLS TO BE 2X6 @ 16" O.C. AND AT INTERIOR NON-LOAD BEARING PARTITIONS TO BE 2X4 @ 16" O.C. STUD WALLS (U.N.O.)

K. 2X DIMENSIONAL STUDS ARE TO BE STANDARD (DF-L) #2 OR BETTER WESTERN WHITE WOODS (WWW)

L. PROVIDE STEEL STRAPS AT PIPES IN STUD WALLS AS REQUIRED BY THE ADOPTED CODE.

M. OVER-FRAMING SHALL BE DONE SUCH THAT VERTICAL LOADS ARE TRANSFERRED TO MAIN STRUCTURE BELOW BY DIRECT BEARING AT SPACING NOT TO EXCEED 24" O.C.

N. METAL HANGERS AND CONNECTIONS ARE 'SIMPSON' AND SHALL BE INSTALLED PER 'SIMPSON' RECOMMENDATIONS.

O. ENGINEERED 'I' JOISTS TO BE DESIGNED, CERTIFIED, ERECTED, INSTALLED, AND BRACED PER MANUFACTURER'S SPECS. ALL REFERENCES ON PLANS ARE FOR TRUS-JOIST, A WEYERHAEUSER BUSINESS PRODUCT. USE THESE PRODUCTS OR AN EQUIVALENT APPROVED MANUFACTURER.

P. SHEATHING SHALL BE APA RATED EXPOSURE 1

Q. STAGGER SHEATHING END JOINTS 4'-0"

R. PROVIDE 1/4" SPACE AT ALL PANEL EDGES FOR EXPANSION.

S. FRAME INTERIOR BEARING WALLS SHORT TO ACCOUNT FOR LOG SETTLING.

T. FRAME INTERIOR POSTS SHORT TO ACCOUNT FOR LOG SETTLING. USE REMOVABLE SHIMS OR SETTLING JACK AS NECESSARY.

U. ALL WINDOW SIZES ARE NOMINAL; VERIFY ACTUAL LOG OPENINGS WITH LOG & WINDOW MANUFACTURERS.

V. ALL MICROLAM LVL'S SHALL HAVE THE MINIMUM SECTION PROPERTIES OF FB = 2600 PSI, FV = 285 PSI, E = 1,900,000 PSI.

W. ALL ROOF OPENINGS GREATER THAN 12"X12" SHALL BE FRAMED IN OPENINGS.

X. GLUE-LAM BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V4 FOR SIMPLY SUPPORTED AND 24F-V8 FOR CANTILEVERED BEAMS, FB = 2400 PSI, FV = 165 PSI, E = 1,600,000 PSI. PROVIDE WET USE GLUE ON ALL EXTERIOR LOCATIONS.

## 6. STRUCTURAL STEEL:

A. BOLTS AND LAGS SHALL CONFORM TO ASTM A36 (U.N.O.)

B. STEEL TUBES TO CONFORM TO ASTM500, GRADE B (Fy = 40KSI)

C. PROVIDE MILD STEEL PLATE WASHERS AT ALL BOLT HEADS AND NUTS BEARING AGAINST WOOD.

D. ALL WORK SHALL BE IN ACCORDANCE WITH THE 9TH EDITION, OR 1ST EDITION LRFD MANUAL OF AISC "SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS"

E. ALL WELDING SHALL BE PERFORMED PER AWS D1.1 WITH A MINIMUM WELD SIZE OF 3/16" AND WITH E70XX ELECTRODE.

F. MACHINE BOLTS SHALL BE ASTM A325 (U.N.O.)

G. PROVIDE LOCK WASHERS BETWEEN NUT AND CONNECTED STEEL.

H. ALL STEEL, INCLUDING NUTS, BOLTS, AND WASHERS EXPOSED TO WEATHER, SHALL BE GALVANIZED.

## 7. PRE-MANUFACTURED METAL PLATED TRUSSES:

A. PRE-MANUFACTURED TRUSS PROVIDER TO VERIFY ALL LOADING PATTERNS TO FOOTINGS BELOW.

B. PRE-MANUFACTURED TRUSS PROVIDER TO PROVIDE SUPPORT @ TRUSSES FOR LOADING SHOWN ON ALL PLANS; SECTIONS AND DETAILS. VERIFY SECOND FLOOR LOADING AND SPECIAL CASE POINT LOADING FROM LOG AND FRAMED ROOF SYSTEMS.

C. ALL PRE-MANUFACTURED ROOF TRUSSES SHALL BE DESIGNED FOR THE ROOF LOADS SHOWN AND ACCOUNT FOR ANY REQUIRED ADDITIONAL DRIFT, VALLEY, OR EAVE LOAD PER CODE. TRUSS SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD (E.O.R.) FOR REVIEW AND COMPLIANCE.

## 8. GENERAL STRUCTURAL NOTES:

A. CONTRACTOR TO VERIFY ALL OPENINGS, BUILDING DIMENSIONS, COLUMN LOCATIONS AND DIMENSIONS WITH OWNER AND LOG MANUFACTURER PRIOR TO POURING OF ANY CONCRETE FOUNDATIONS OR CONSTRUCTION.

B. THE ENGINEER OF RECORD IS NOT RESPONSIBLE FOR ANY DEVIATIONS FROM THESE PLANS UNLESS SUCH CHANGES ARE AUTHORIZED IN WRITING TO THE ENGINEER OF RECORD.

C. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SAFE AND ADEQUATE SHORING AND/OR TEMPORARY STRUCTURAL STABILITY FOR ALL PARTS OF THE STRUCTURE DURING CONSTRUCTION. THE STRUCTURE SHOWN ON THE DRAWINGS HAS BEEN DESIGNED FOR FINAL CONFIGURATION.

D. NOTCHING AND/OR CUTTING OF ANY STRUCTURAL MEMBER IN THE FIELD IS PROHIBITED, UNLESS PRIOR CONSENT IS GIVEN BY THE ENGINEER OF RECORD.

## 9. SPECIAL INSPECTIONS AND STRUCTURAL OBSERVATIONS:

A. PER IBC SECTION 1702, WHEN SPECIFICALLY REQUIRED BY THE LOCAL JUR REPRESENTATIVE FROM THE ENGINEER OF RECORD'S OFFICE SHALL BE PRESENT TO PERFORM ON-SITE STRUCTURAL OBSERVATION VISITS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL TIMES OF CONSTRUCTION WITH THE ENGINEER OF RECORDS OFFICE PRIOR CONSTRUCTION AND/OR PLACEMENT (MINIMUM OF 7 DAYS). SIGNIFICANT CONSTRUCTION ARE AS FOLLOWS:
1. PLACEMENT OF STRUCTURALLY RELATED REINFORCED CONCRETE FOUNDATIONS, INCLUDING REBAR.
2. PLACEMENT OF PERIMETER LOAD BEARING WALLS, LOAD SUPPORTI BEAMS AND/OR HEADERS AND LATERAL RESISTING CONNECTION ELEMENTS.
3. COMPLETION OF STRUCTURAL SYSTEMS AS REQUIRED AND/OR DEF THE LOCAL JURISDICTION.

B. STRUCTURAL OBSERVATIONS DO NOT INCLUDE OR WAIVE THE RESPONSIB SPECIAL INSPECTIONS REQUIRED BY THE IBC SECTION 1701 OR OTHER SE CODE AS REQUIRED BY THE LOCAL BUILDING JURISDICTION.

C. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED TO MEET THE REQUIRME IBC AND THE LOCAL BUILDING JURISDICTION.

D. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY A QUALIFIED PERSON COMPETANCE TO THE SATISFACTION OF THE BUILDING OFFICIAL, OWNER, A ENGINEER OF RECORD FOR THE PARTICULAR OPERATION. ALL SPECIALINSP SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND ENGINEER OF RE PROJECT INFORMATION AND ADDRESS.

| | |
|---|---|
| MAIN LEVEL | 1826 sq. ft. |
| UPPER LEVEL | 853 sq. ft. |
| TOTAL LIVING SPACE | 2679 sq. ft. |
| GARAGE | 530 sq. ft. |
| COV'D PORCH/DECK | 333 sq. ft. |



SHEET INDEX


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| A3 | LANDSCAPE PLAN |
| A4 | FLOOR PLAN - MAIN LEVEL |
| A5 | FLOOR PLAN - UPPER LEVEL |
| A6 | ELEVATIONS |
| A7 | ELEVATIONS |
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| A16 | ROOF LAYOUT - UPPER LEVEL |
| A17 | ROOF LAYOUT - OVERVIEW |
| M1 | ELECTRICAL |
| M2 | ENERGY SURVEY |


PROJECT NO.
13-001

3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.

SCALE: NO SCALE

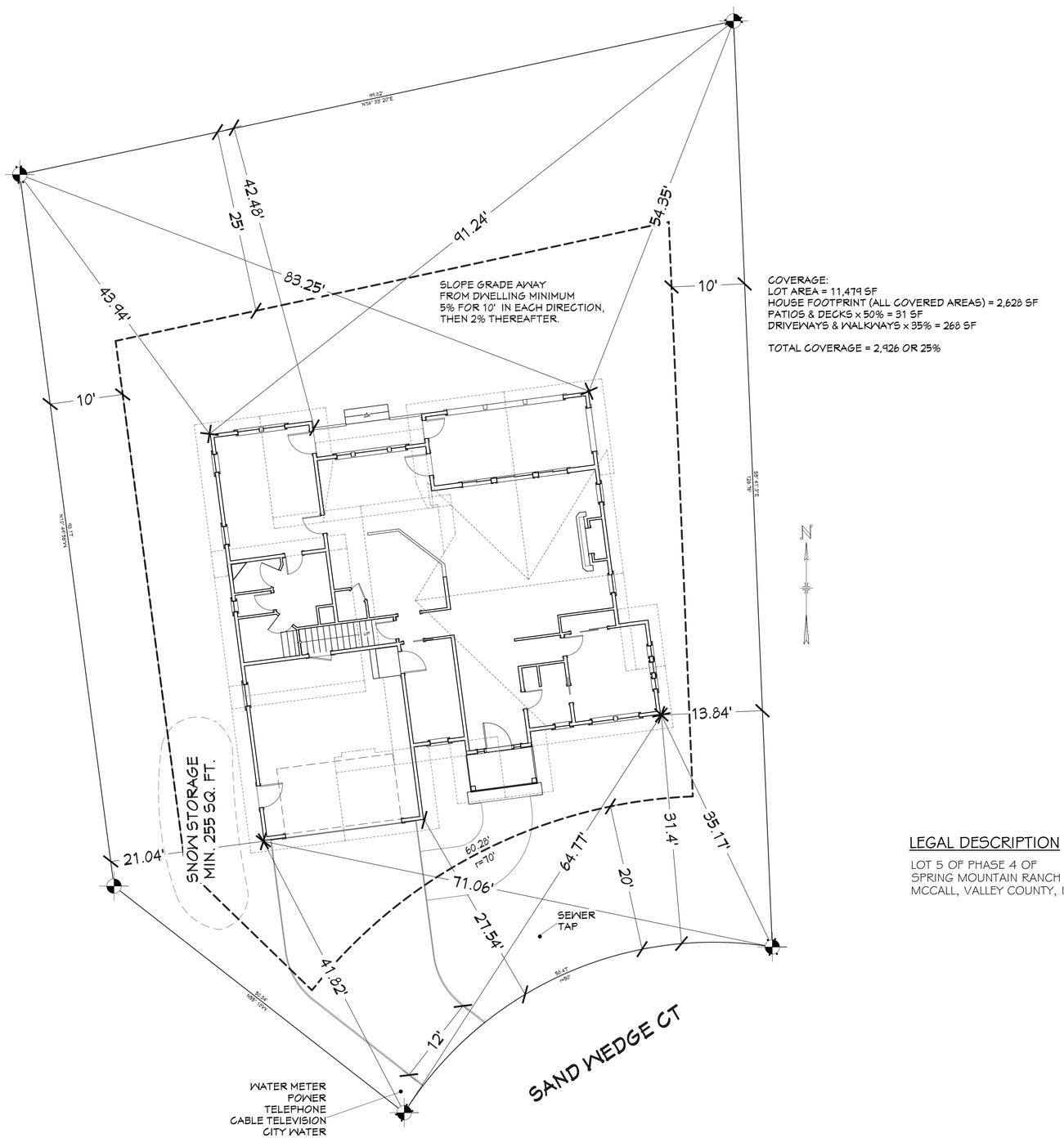
INITIAL DATE: 2/28/2013
PRINT DATE: 5/24/2013

DRAWN BY: Steve Curtis

COVER SHEET


SMC Design
SMC Design
208.249.7288
Nampa, ID


SHEET NUMBER
A1
PAGE 1 OF 19




COVERAGE:
LOT AREA = 11,479 SF
HOUSE FOOTPRINT (ALL COVERED AREAS) = 2,628 SF
PATIOS & DECKS x 50% = 31 SF
DRIVEWAYS & WALKWAYS x 35% = 268 SF

TOTAL COVERAGE = 2,926 OR 25%

## LEGAL DESCRIPTION

LOT 5 OF PHASE 4 OF
SPRING MOUNTAIN RANCH SUBDIVISION
MCCALL, VALLEY COUNTY, IDAHO

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| A16 | ROOF LAYOUT - UPPER LEVEL |
| A17 | ROOF LAYOUT - OVERVIEW |
| M1 | ELECTRICAL |
| M2 | ENERGY SURVEY |


PROJECT NO.
13-001

# 3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
# LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID


CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.


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

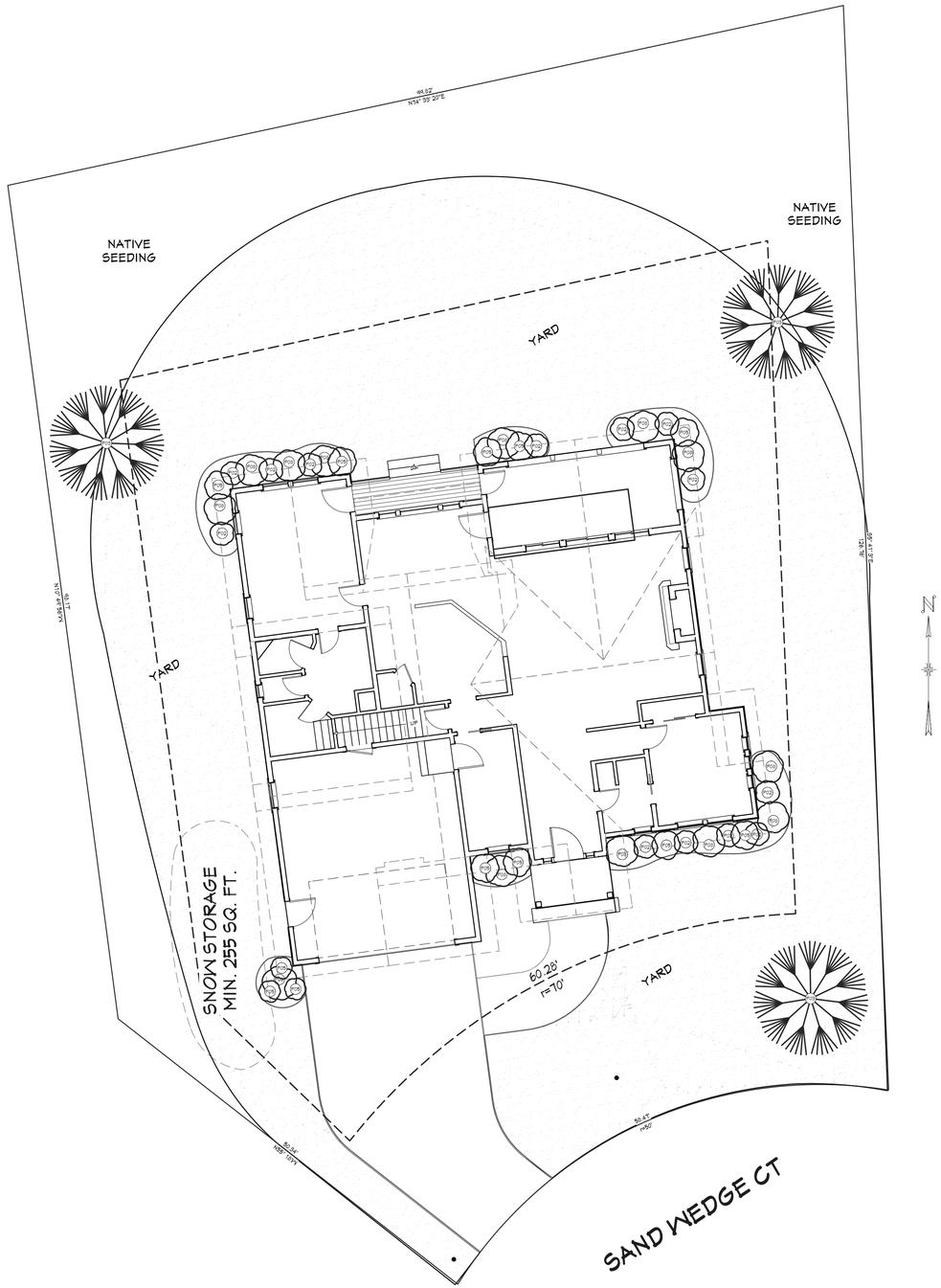
INITIAL DATE: 2/28/2013
PRINT DATE: 5/29/2013

DRAWN BY: Steve Curtis

## SITE PLAN


SMC Design
208.249.7288
Nampa, ID


SHEET NUMBER
A2




| PLANT SCHEDULE | | | | |
|---|---|---|---|---|
| NUMBER | QTY | COMMON NAME | SCIENTIFIC NAME | COMMENTS |
| PO2 | 13 | MODERN ROSE | ROSA | |
| PO3 | 3 | COLORADO SPRUCE | PICEA PUNGENS | |
| PO5 | 12 | DOUBLEFILE VIBURNUM, JAPANESE SNOWBALL BUSH | VIBURNUM PLICATUM | |
| PO8 | 13 | ALPINE CURRANT | RIBES ALPINUM | |

## LEGAL DESCRIPTION

LOT 5 OF PHASE 4 OF
SPRING MOUNTAIN RANCH SUBDIVISION
MCCALL, VALLEY COUNTY, IDAHO

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PROJECT NO.
13-001

# 3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
# LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID


CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.


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

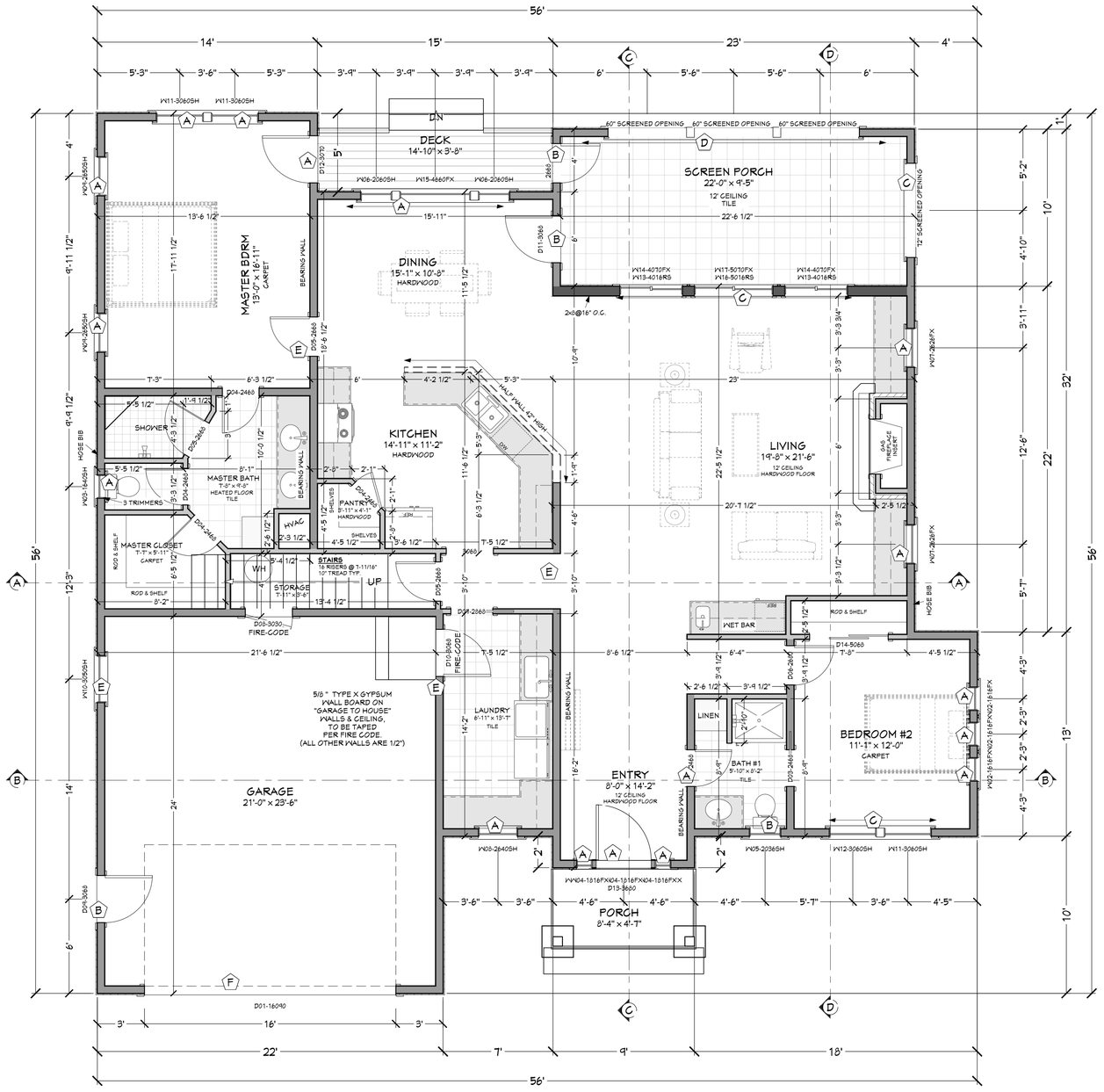
INITIAL DATE: 2/28/2013
PRINT DATE: 5/29/2013

DRAWN BY: Steve Curtis

## LANDSCAPE PLAN


SMC Design
208.249.7288
Nampa, ID


SHEET NUMBER
A3




| DOOR SCHEDULE | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HEIGHT | TYPE | TEMPERED | COMMENTS | QTY | NUMBER |
| D01 | 1 | 1 | 16080 R | 192" | 108" | GARAGE | | | 1 | D01 |
| D02 | 1 | 1 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D02 |
| D03 | 1 | 1 | 2468 R | 28" | 80" | POCKET | | | 1 | D03 |
| D04 | 4 | 1 | 2468 R IN | 28" | 80" | HINGED | | | 4 | D04 |
| D05 | 3 | 1 | 2668 R IN | 30" | 80" | HINGED | | | 3 | D05 |
| D06 | 1 | 1 | 2680 L IN | 30" | 96" | HINGED | | | 1 | D06 |
| D07 | 1 | 1 | 2868 L | 32" | 80" | POCKET | | | 1 | D07 |
| D08 | 1 | 1 | 3030 R FX | 36" | 36" | HINGED | | FIRE DOOR | 1 | D08 |
| D09 | 1 | 1 | 3068 L FX | 36" | 80" | HINGED | | | 1 | D09 |
| D10 | 1 | 1 | 3068 R FX | 36" | 80" | HINGED | | FIRE DOOR | 1 | D10 |
| D11 | 1 | 1 | 3068 R FX | 36" | 80" | HINGED | YES | | 1 | D11 |
| D12 | 1 | 1 | 3070 R FX | 36" | 84" | HINGED | YES | | 1 | D12 |
| D13 | 1 | 1 | 3680 L FX | 42" | 96" | HINGED | | | 1 | D13 |
| D14 | 1 | 1 | 5068 L IN | 60" | 80" | SLIDER | | | 1 | D14 |
| D15 | 1 | 2 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D15 |
| D16 | 1 | 2 | 2468 R | 28" | 80" | POCKET | | | 1 | D16 |
| D17 | 1 | 2 | 2468 R IN | 28" | 80" | HINGED | | | 1 | D17 |
| D18 | 1 | 2 | 2668 L IN | 30" | 80" | HINGED | | | 1 | D18 |
| D19 | 1 | 2 | 2668 R IN | 30" | 80" | HINGED | | | 1 | D19 |
| D20 | 2 | 2 | 5068 | 60" | 80" | 4 DR. BIFOLD | | | 2 | D20 |

| WINDOW SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HEIGHT | EGRESS | TEMPERED | DESCRIPTION | COMMENTS | QTY | NUMBER |
| W01 | 2 | 1 | 1070FX | 12" | 84" | | YES | FIXED GLASS | | 2 | W01 |
| W02 | 3 | 1 | 1616FX | 18" | 18" | | | FIXED GLASS | | 3 | W02 |
| W03 | 1 | 1 | 1640SH | 18" | 48" | | | SINGLE HUNG | | 1 | W03 |
| W04 | 3 | 1 | 1816FX | 20" | 18" | | | FIXED GLASS | | 3 | W04 |
| W05 | 1 | 1 | 2036SH | 24" | 42" | | | SINGLE HUNG | | 1 | W05 |
| W06 | 2 | 1 | 2060SH | 24" | 72" | | | SINGLE HUNG | | 2 | W06 |
| W07 | 2 | 1 | 2626FX | 30" | 30" | | | FIXED GLASS | | 2 | W07 |
| W08 | 1 | 1 | 2640SH | 30" | 48" | | | SINGLE HUNG | | 1 | W08 |
| W09 | 2 | 1 | 2650SH | 30" | 60" | | | SINGLE HUNG | | 2 | W09 |
| W10 | 1 | 1 | 3050SH | 36" | 60" | | | SINGLE HUNG | | 1 | W10 |
| W11 | 3 | 1 | 3060SH | 36" | 72" | | | SINGLE HUNG | | 3 | W11 |
| W12 | 1 | 1 | 3060SH | 36" | 72" | | YES | SINGLE HUNG | | 1 | W12 |
| W13 | 2 | 1 | 4016RS | 48" | 18" | | YES | RIGHT SLIDING | | 2 | W13 |
| W14 | 2 | 1 | 4070FX | 48" | 84" | | | FIXED GLASS | | 2 | W14 |
| W15 | 1 | 1 | 4660FX | 54" | 72" | | | FIXED GLASS | | 1 | W15 |
| W16 | 1 | 1 | 5016RS | 60" | 18" | | YES | RIGHT SLIDING | | 1 | W16 |
| W17 | 1 | 1 | 5070FX | 60" | 84" | | | FIXED GLASS | | 1 | W17 |
| W18 | 1 | 2 | 2636RS | 30" | 42" | | | RIGHT SLIDING | | 1 | W18 |
| W19 | 2 | 2 | 4050SH | 48" | 60" | | | SINGLE HUNG | | 2 | W19 |
| W20 | 1 | 2 | 4050SH | 48" | 60" | | YES | SINGLE HUNG | | 1 | W20 |
| W21 | 1 | 2 | 5040RS | 60" | 48" | | YES | RIGHT SLIDING | | 1 | W21 |

## ○BEAM SCHEDULE○

A (3) 1-3/4" x 18" 1.9E Microllam® LVL
B (1) 5-1/2" x 18" 24F-V4 DF Glulam
C (1) 5-1/8" x 13-1/2" 24F-V4 DF Glulam
D (1) 4x8 D.F.

## ⬠HEADER SCHEDULE⬠

A (1) 4x8 D.F.
B (1) 4x8 D.F.
(2) TRIMMERS EACH END
C (2) 1-3/4" x 9-1/4" 1.9E Microllam® LVL
(2) TRIMMERS EACH END
D (2) 2x12 D.F.
E (2) 1-3/4" x 9-1/4" 1.9E Microllam® LVL
(3) TRIMMERS EACH END
F (1) 5-1/2" x 15" 24F-V4 DF Glulam

## MAIN LEVEL NOTES:

- ALL ANGLE 45° UNO
- 2x6 EXT. WALLS @ 16" O.C.
- 9'-1 1/8" PLATE HEIGHT UNO
- ALL PARTITION DIMENSIONS ARE TO FACE OF STUD

| | |
|---|---|
| MAIN LEVEL | 1826 sq. ft. |
| UPPER LEVEL | 853 sq. ft. |
| TOTAL LIVING SPACE | 2679 sq. ft. |
| GARAGE | 530 sq. ft. |
| COV'D PORCH/DECK | 333 sq. ft. |

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| A6 | ELEVATIONS |
| A7 | ELEVATIONS |
| A8 | SECTION VIEWS |
| A9 | FOUNDATION |
| A10 | DETAIL VIEWS |
| A11 | WALL BRACING - MAIN LEVEL |
| A12 | WALL BRACING - UPPER LEVEL |
| A13 | FLOOR FRAMING LAYOUT - MAIN LEVEL |
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| A16 | ROOF LAYOUT - UPPER LEVEL |
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| M2 | ENERGY SURVEY |


PROJECT NO.
13-001

# 3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
# LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID


CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.


SCALE: 1/4" = 1'-0"

INITIAL DATE: 2/28/2013
PRINT DATE: 5/29/2013

DRAWN BY: Steve Curtis

# FLOOR PLAN MAIN LEVEL


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SHEET NUMBER
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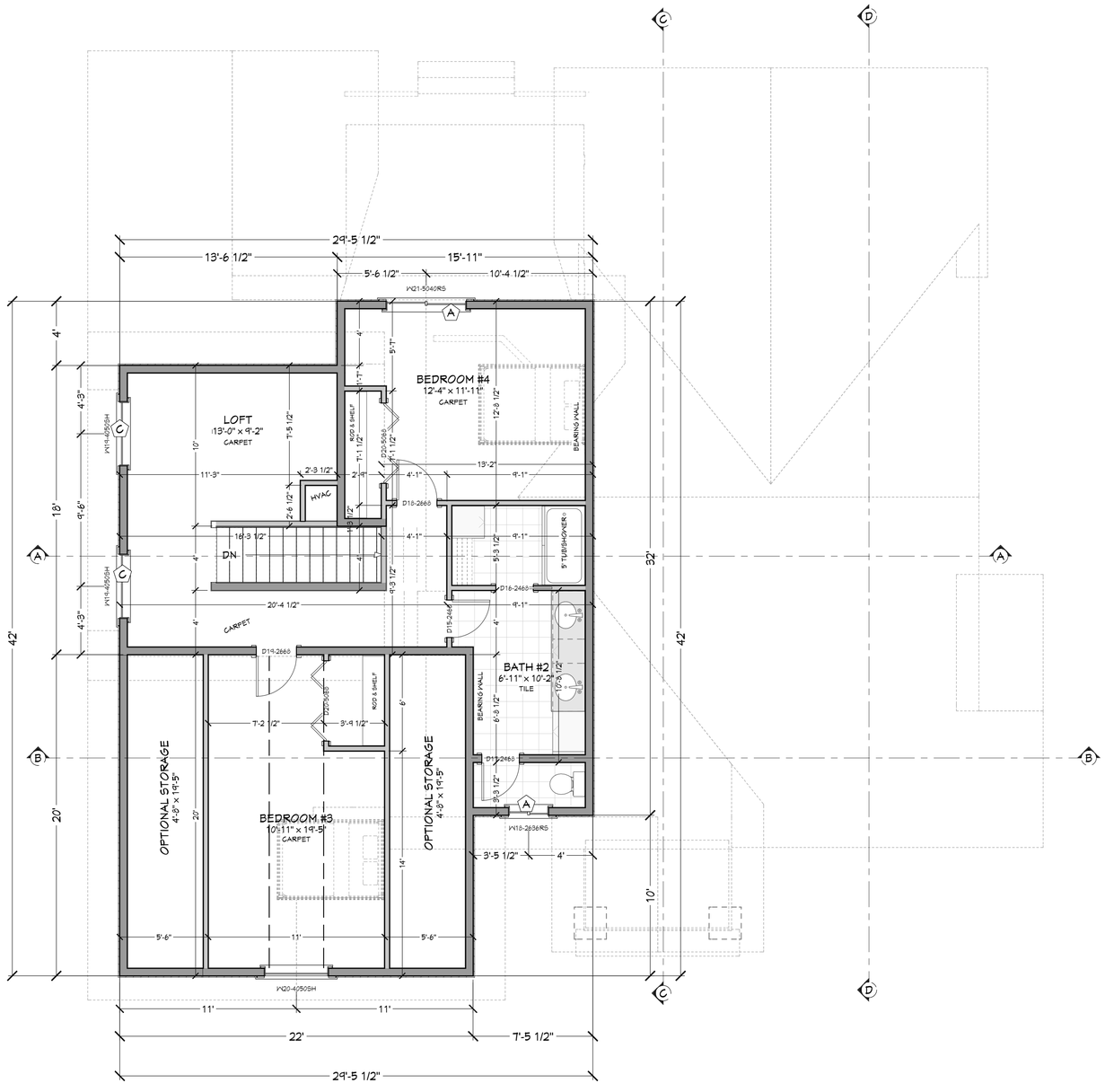
PAGE 4 OF 19




| DOOR SCHEDULE | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HEIGHT | TYPE | TEMPERED | COMMENTS | QTY | NUMBER |
| D01 | 1 | 1 | L0280 R | 192" | 108" | GARAGE | | | 1 | D01 |
| D02 | 1 | 1 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D02 |
| D03 | 1 | 1 | 2468 R | 28" | 80" | POCKET | | | 1 | D03 |
| D04 | 4 | 1 | 2468 R IN | 28" | 80" | HINGED | | | 4 | D04 |
| D05 | 3 | 1 | 2668 R IN | 30" | 80" | HINGED | | | 3 | D05 |
| D06 | 1 | 1 | 2680 L IN | 30" | 96" | HINGED | | | 1 | D06 |
| D07 | 1 | 1 | 2868 L | 32" | 80" | POCKET | | | 1 | D07 |
| D08 | 1 | 1 | 3030 R FX | 36" | 36" | HINGED | | FIRE DOOR | 1 | D08 |
| D09 | 1 | 1 | 3068 L FX | 36" | 80" | HINGED | | | 1 | D09 |
| D10 | 1 | 1 | 3068 R FX | 36" | 80" | HINGED | | FIRE DOOR | 1 | D10 |
| D11 | 1 | 1 | 3068 R FX | 36" | 80" | HINGED | YES | | 1 | D11 |
| D12 | 1 | 1 | 3070 R FX | 36" | 84" | HINGED | YES | | 1 | D12 |
| D13 | 1 | 1 | 3680 L FX | 42" | 96" | HINGED | | | 1 | D13 |
| D14 | 1 | 1 | 5068 L IN | 60" | 80" | SLIDER | | | 1 | D14 |
| D15 | 1 | 2 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D15 |
| D16 | 1 | 2 | 2468 R | 28" | 80" | POCKET | | | 1 | D16 |
| D17 | 1 | 2 | 2468 R IN | 28" | 80" | HINGED | | | 1 | D17 |
| D18 | 1 | 2 | 2668 L IN | 30" | 80" | HINGED | | | 1 | D18 |
| D19 | 1 | 2 | 2668 R IN | 30" | 80" | HINGED | | | 1 | D19 |
| D20 | 2 | 2 | 5068 | 60" | 80" | 4 DR. BIFOLD | | | 2 | D20 |

| WINDOW SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HEIGHT | EGRESS | TEMPERED | DESCRIPTION | COMMENTS | QTY | NUMBER |
| W01 | 2 | 1 | 1070FX | 12" | 84" | | YES | FIXED GLASS | | 2 | W01 |
| W02 | 3 | 1 | 1616FX | 18" | 18" | | | FIXED GLASS | | 3 | W02 |
| W03 | 1 | 1 | 1640SH | 18" | 48" | | | SINGLE HUNG | | 1 | W03 |
| W04 | 3 | 1 | 1816FX | 20" | 18" | | | FIXED GLASS | | 3 | W04 |
| W05 | 1 | 1 | 2036SH | 24" | 42" | | | SINGLE HUNG | | 1 | W05 |
| W06 | 2 | 1 | 2060SH | 24" | 72" | | | SINGLE HUNG | | 2 | W06 |
| W07 | 2 | 1 | 2626FX | 30" | 30" | | | FIXED GLASS | | 2 | W07 |
| W08 | 1 | 1 | 2640SH | 30" | 48" | | | SINGLE HUNG | | 1 | W08 |
| W09 | 2 | 1 | 2650SH | 30" | 60" | | | SINGLE HUNG | | 2 | W09 |
| W10 | 1 | 1 | 3050SH | 36" | 60" | | | SINGLE HUNG | | 1 | W10 |
| W11 | 3 | 1 | 3060SH | 36" | 72" | | | SINGLE HUNG | | 3 | W11 |
| W12 | 1 | 1 | 3060SH | 36" | 72" | YES | | SINGLE HUNG | | 1 | W12 |
| W13 | 2 | 1 | 4016RS | 48" | 18" | | YES | RIGHT SLIDING | | 2 | W13 |
| W14 | 2 | 1 | 4072FX | 48" | 84" | | | FIXED GLASS | | 2 | W14 |
| W15 | 1 | 1 | 4660FX | 54" | 72" | | | FIXED GLASS | | 1 | W15 |
| W16 | 1 | 1 | 5016RS | 60" | 18" | | YES | RIGHT SLIDING | | 1 | W16 |
| W17 | 1 | 1 | 5070FX | 60" | 84" | | | FIXED GLASS | | 1 | W17 |
| W18 | 1 | 2 | 2636RS | 30" | 42" | | | RIGHT SLIDING | | 1 | W18 |
| W19 | 2 | 2 | 4050SH | 48" | 60" | | | SINGLE HUNG | | 2 | W19 |
| W20 | 1 | 2 | 4050SH | 48" | 60" | YES | | SINGLE HUNG | | 1 | W20 |
| W21 | 1 | 2 | 5040RS | 60" | 48" | YES | | RIGHT SLIDING | | 1 | W21 |

## ○BEAM SCHEDULE○

A (3) 1-3/4" x 18" 1.9E Microllam® LVL
B (1) 5-1/2" x 18" 24F-V4 DF Glulam
C (1) 5-1/8" x 13-1/2" 24F-V4 DF Glulam
D (1) 4x8 D.F.

## ⬠HEADER SCHEDULE⬠

A (1) 4x8 D.F.
B (1) 4x8 D.F.
(2) TRIMMERS EACH END
C (2) 1-3/4" x 9-1/4" 1.9E Microllam® LVL
(2) TRIMMERS EACH END
D (2) 2x12 D.F.
E (2) 1-3/4" x 9-1/4" 1.9E Microllam® LVL
(3) TRIMMERS EACH END
F (1) 5-1/2" x 15" 24F-V4 DF Glulam

**UPPER LEVEL NOTES:**

- ALL ANGLE 45° UNO
- 2x6 EXT. WALLS @ 16" O.C.
- 9'-1 1/8" PLATE HEIGHT UNO
- ALL PARTITION DIMENSIONS ARE TO FACE OF STUD

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| MAIN LEVEL | 1826 sq. ft. |
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# 3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
# LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID


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DRAWN BY: Steve Curtis

## FLOOR PLAN UPPER LEVEL


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## SOUTH ELEVATION
SCALE: 1/4 in = 1 ft




## EAST ELEVATION
SCALE: 1/4 in = 1 ft




## WEST ELEVATION
SCALE: 1/4 in = 1 ft

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ELEVATIONS


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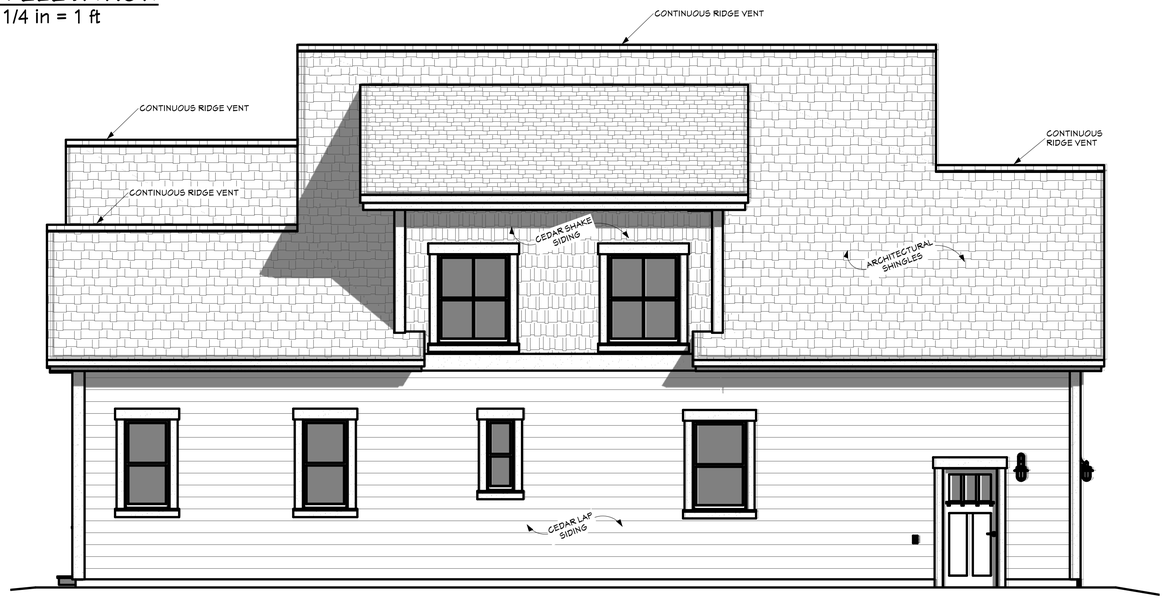
Nampa, ID


SHEET NUMBER
A6




NORTH ELEVATION
SCALE: 1/4 in = 1 ft




WEST ELEVATION
SCALE: 1/4 in = 1 ft




EAST ELEVATION
SCALE: 1/4 in = 1 ft

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ELEVATIONS

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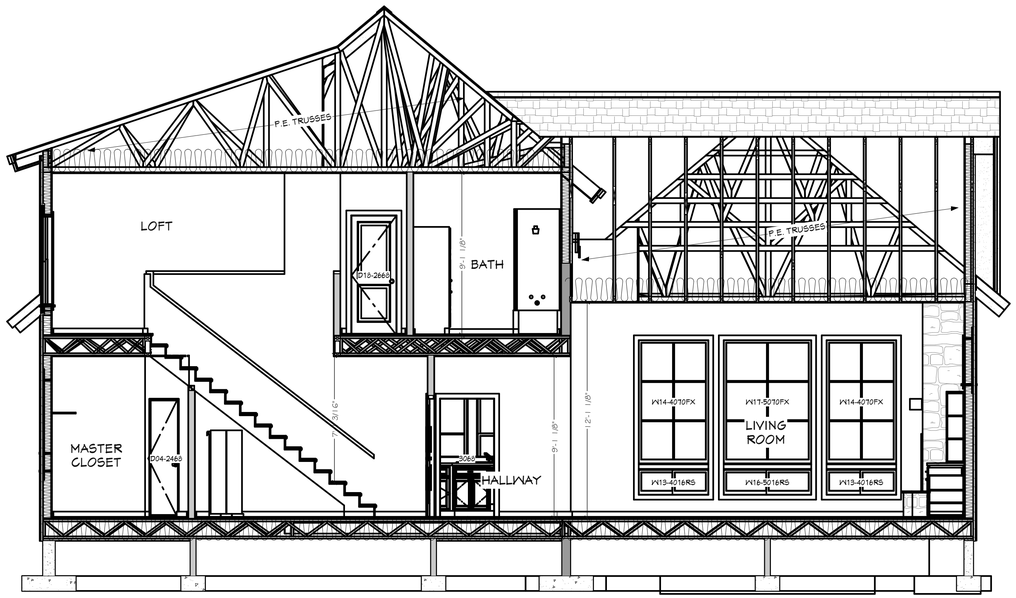


SECTION A-A
SCALE: 1/4 in = 1 ft




SECTION B-B
SCALE: 1/4 in = 1 ft

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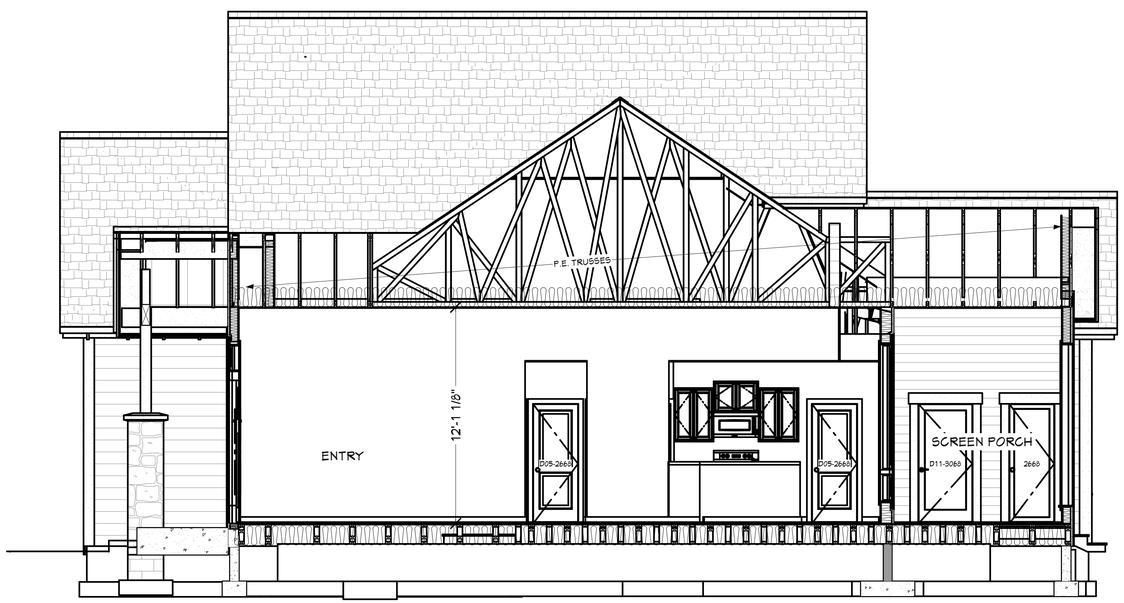
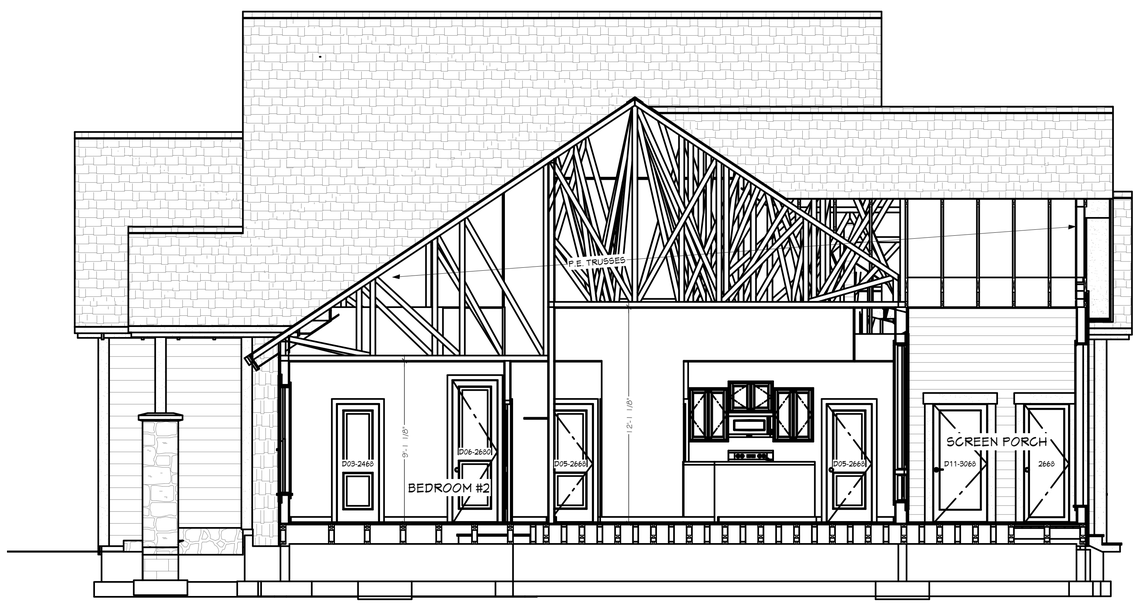



SECTION C-C
SCALE: 1/4 in = 1 ft




SECTION D-D
SCALE: 1/4 in = 1 ft

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## SECTION VIEWS

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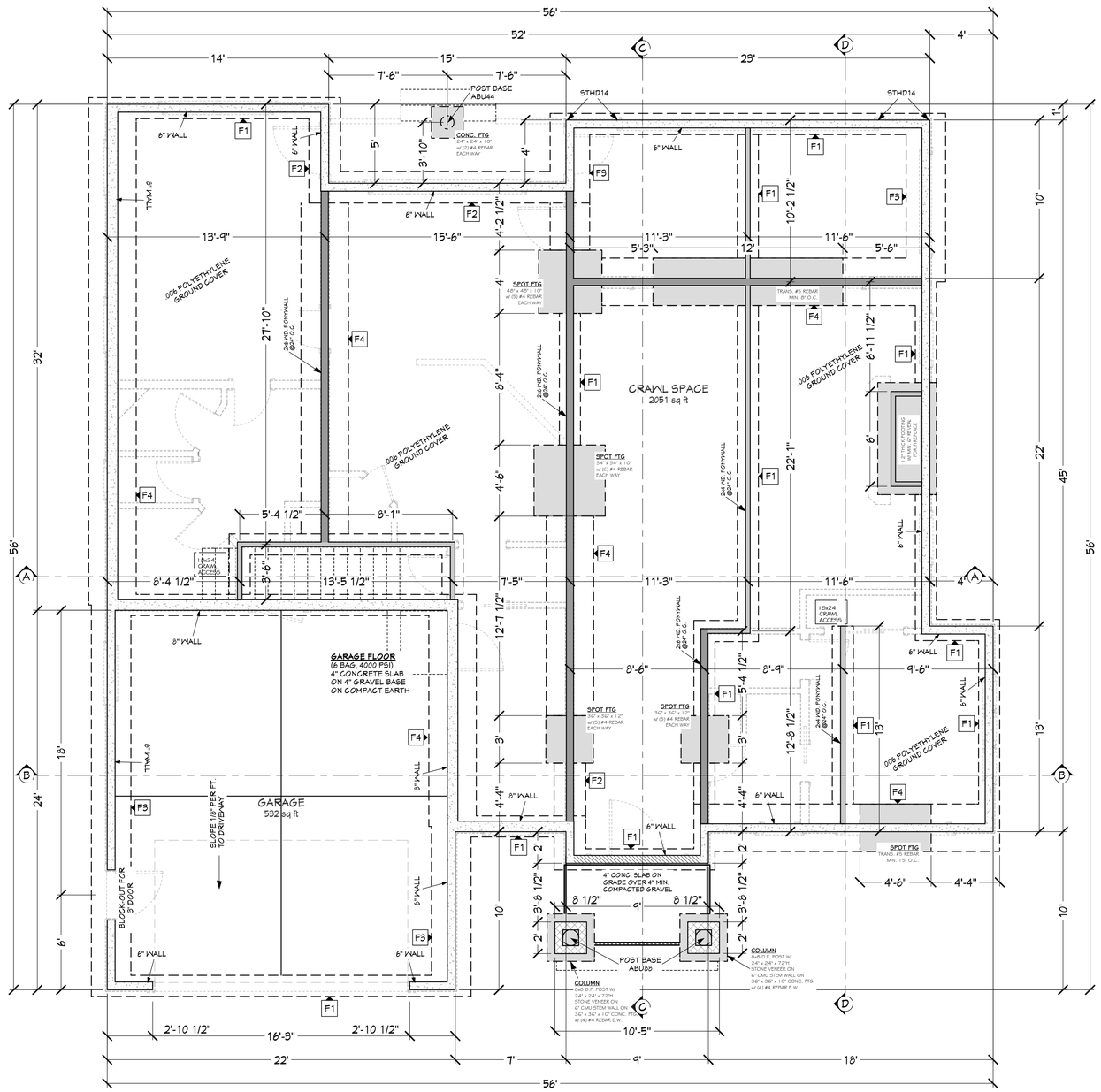
A8




## FOOTING SCHEDULE

| | WIDTH | DEPTH | REINFORCEMENT |
|---|---|---|---|
| F1 | 16" | 10" | (2) #4 CONT. REBAR |
| F2 | 24" | 10" | (3) #4 CONT. REBAR |
| F3 | 30" | 10" | (3) #4 CONT. REBAR |
| F4 | 36" | 10" | (4) #4 CONT. REBAR |
| F5 | 48" | 10" | (5) #4 CONT. REBAR |

## FOUNDATION CONCRETE

| | |
|---|---|
| FOOTINGS | 25.5 Cu. Yds. |
| STEM WALLS | 10.75 Cu. Yds. |
| STAMPED CONCRETE SLAB | 1 Cu. Yds. |
| 4" PLAIN CONCRETE SLAB | 6.75 Cu. Yds. |
| TOTAL CONCRETE | 44 Cu. Yds. |

## FOUNDATION NOTES:

- ALL ANGLE 45° UNO
- 8" THICK WALLS CONCRETE FOUNDATION WALLS @ 2 STORY
- 6" THICK WALLS CONCRETE FOUNDATION WALLS @ 1 STORY
- ALL INTERIOR DIMENSIONS ARE TO CENTER OF FOOTING
- STEMWALL 4' TALL - STEP DOWN TO FOLLOW NATURAL TERRAIN
- RAISE TOP OF STEMWALL 6" MIN. IN AREAS OF BUTTING CONCRETE SLABS

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FOUNDATION


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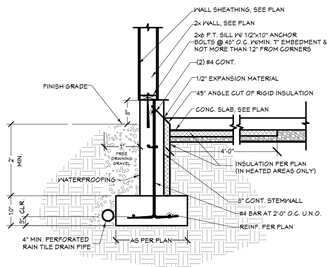
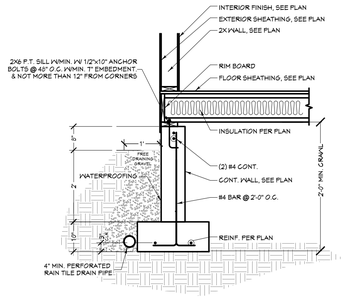
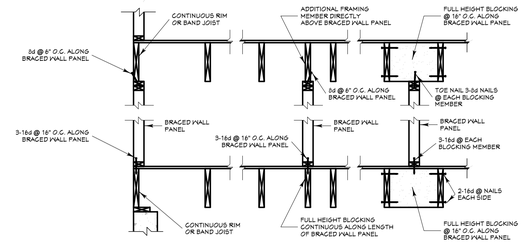
A9



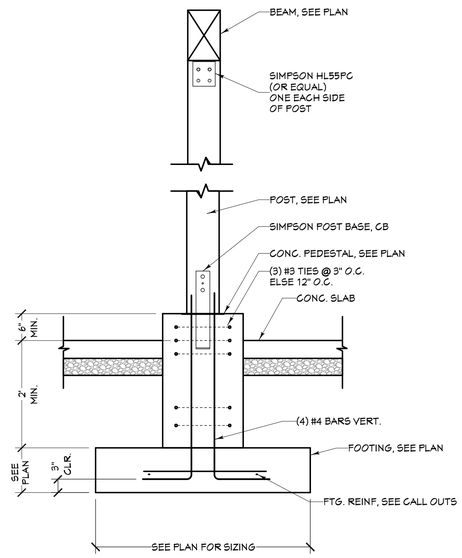

FOUNDATION DETAIL @ GARAGE
SCALE: 1/2 in = 1 ft



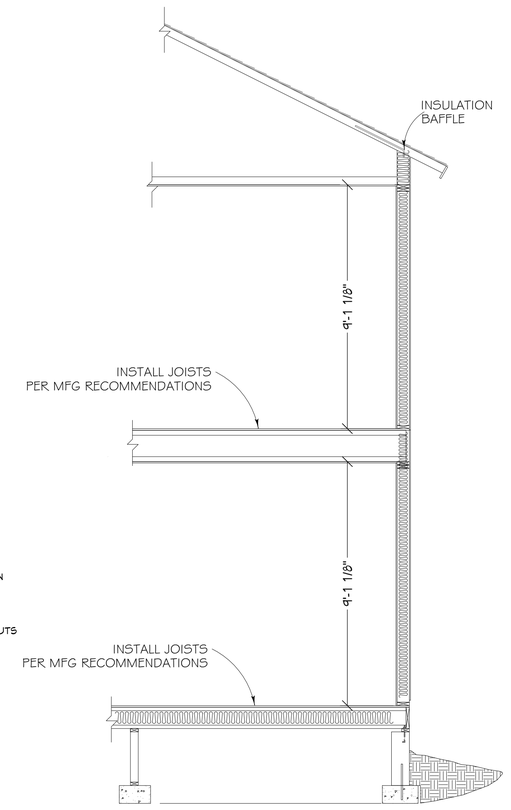

FOUNDATION DETAIL
SCALE: 1/2 in = 1 ft




BRACED WALL CONNECTION WHEN PARALLEL TO FLOOR/CEILING FRAMING
SCALE: 1/2 in = 1 ft




POST FOUNDATION DETAIL
SCALE: 3/4 in = 1 ft




**TYPICAL ROOF MATERIALS**
GAF - TIMBERLINE NATURAL SHADOW SERIES
30YR SHINGLES
P.E. TRUSSES @ MFG SPECS
(SEE TRUSS LAYOUT FOR TRUSS TYPE)
5/8" WAFER BOARD W/CLIPS
INSULATION BAFFLE
R-38 ROCKWOOL (BLOWN)

**TYPICAL EAVE MATERIALS**
1/2" ROUGH-CUT FASCIA BOARD (TYP.)
w/SHADOW BOARDS
SOFFIT VENTS 8" x 16" 8'-0" O.C.
4" CONT. METAL GUTTER W/4"
DRAIN SPOUTS AND SPLASH BLOCKS

**TYPICAL WALL MATERIALS**
2x6 STUDS @16" O.C.
1/2" GYPSUM BOARD
.004 MIL. POLYETHYLENE
5 1/2" R-19 F.G. INSULATION
7/16" OSB SHEAR PANELS)
CEDAR LAP SIDING
(SEE PLAN FOR WALL MATERIAL LOCATIONS)

**TYPICAL FLOOR MATERIALS**
3/8" PART. BOARD @ VINYL
3/4" OSB DECKING
P.E. FLOOR TRUSSES (SEE FLOOR FRAMING LAYOUT)

**TYPICAL WALL MATERIALS**
2x6 STUDS @16" O.C.
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.004 MIL. POLYETHYLENE
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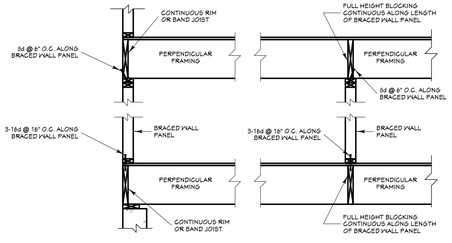
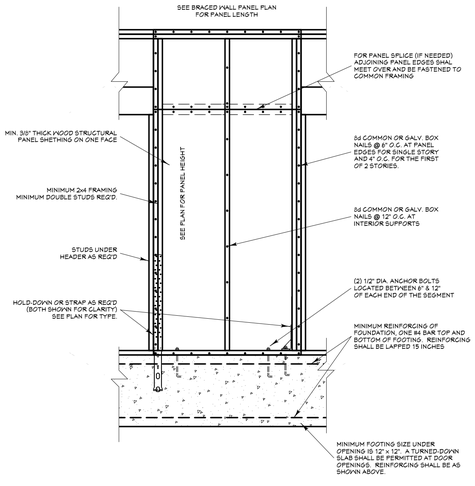
(SEE PLAN FOR WALL MATERIAL LOCATIONS)

**TYPICAL FLOOR MATERIALS**
3/8" PART. BOARD @ VINYL
3/4" OSB DECKING
P.E. FLOOR TRUSSES (SEE FLOOR FRAMING LAYOUT)

**TYPICAL FOUNDATION MATERIALS**
2x6 P.T. PLATE
1/2" x 10" A. BOLT @ 6' O.C.
6" x 16" FND. VENTS W/SCREEN & DAMPER
.006 MIL. POLYETHYLENE
2x4 PONY WALLS ON 16" x 8" CONC. FOOTINGS
8" x 24" CONC. STEM WALL (5 1/2 BAG, 3500psi)
SEE FOUNDATION PLAN FOR FOOTING SIZES

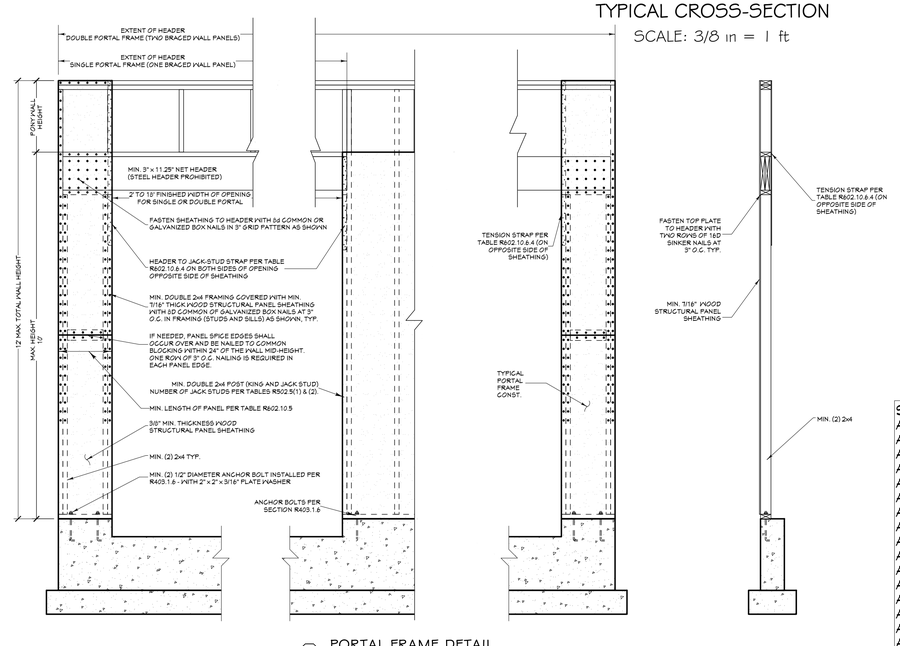



BRACED WALL CONNECTION WHEN PERPENDICULAR TO FLOOR/CEILING FRAMING
SCALE: 1/2 in = 1 ft




ALTERNATE BRACED WALL DETAIL
SCALE: 1/2 in = 1 ft

TYPICAL CROSS-SECTION
SCALE: 3/8 in = 1 ft




PORTAL FRAME DETAIL
SCALE: 1/2 in = 1 ft

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| A13 | FLOOR FRAMING LAYOUT - MAIN LEVEL |
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| A15 | ROOF LAYOUT - MAIN LEVEL |
| A16 | ROOF LAYOUT - UPPER LEVEL |
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PROJECT NO.
13-001

3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID

*CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.*

SCALE: NO SCALE
INITIAL DATE: 2/28/2013
PRINT DATE: 5/29/2013
DRAWN BY: Steve Curtis

DETAIL VIEWS


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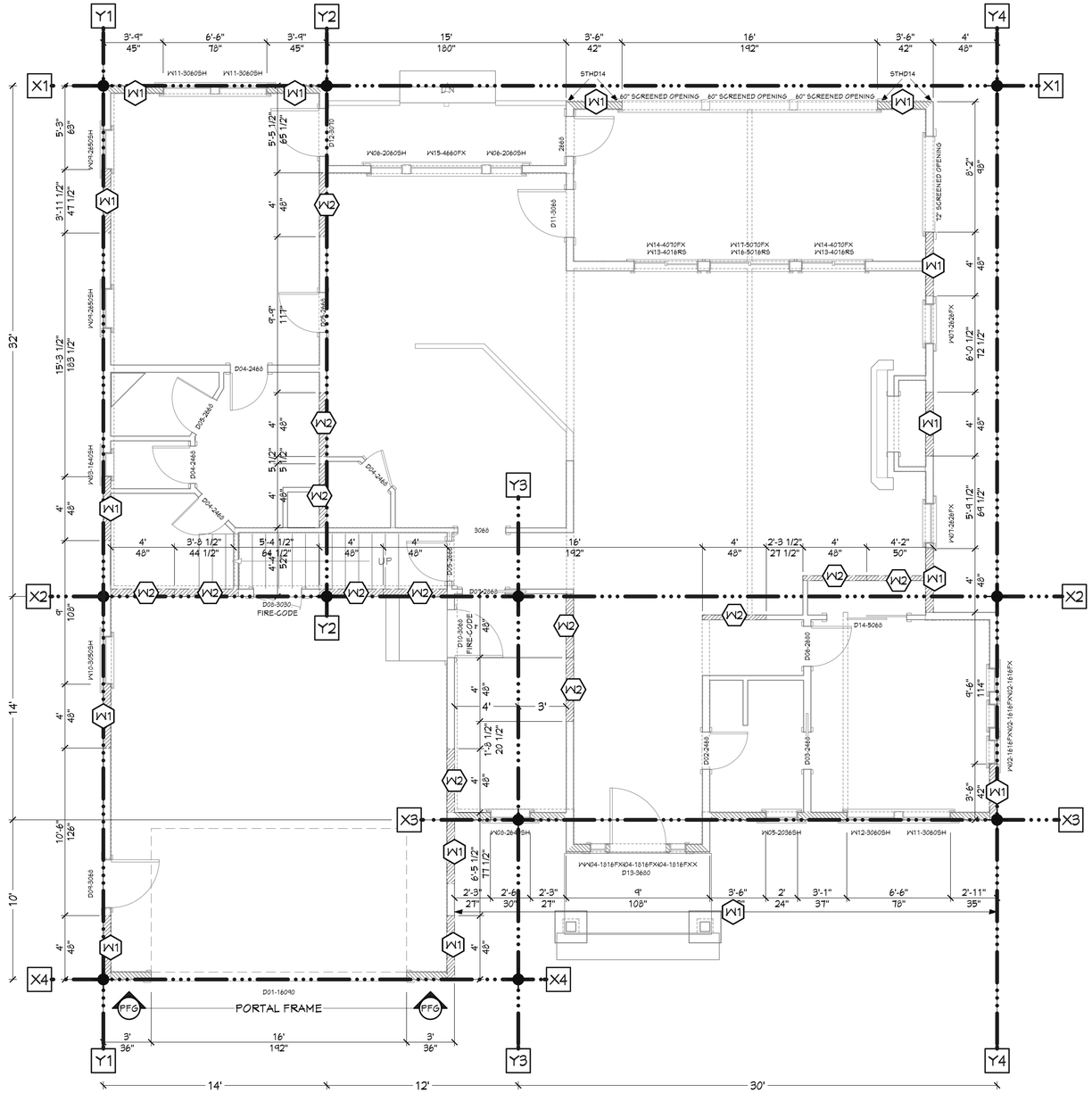


**BRACED PANEL LENGTH TABLE - BASED ON WIND SPEED (90 mph)**

| BRACED WALL LINE | BRACING METHOD TABLE R602.10.4.1 | BRACED WALL LINE SPACING | REQUIRED BRACING LENGTH (FT.) | EXPOSURE FACTOR FTNT:b | ROOF TO EAVE TOTAL FTNT:c | WALL HEIGHT TOTAL FTNT: d | NUMBER BRACED LINES FTNT: e | REQUIRED BRACING LENGTH (FT.) | PROVIDED BRACING LENGTH |
|---|---|---|---|---|---|---|---|---|---|
| MAIN LEVEL | | | | | | | | | |
| BWL X1 | WSP | 32.00 | 5.90 | 1.00 | 1.12 | 0.95 | 1.45 | 9'-2" | 14'-5" |
| BWL X2 | GB | 32.00 | 19.60 | 1.00 | 1.24 | 1.10 | 1.45 | 27'-2" | 28'-0" |
| BWL X3 | GS-WSP | 14.00 | 4.70 | 1.00 | 1.24 | 0.95 | 1.45 | 8'-1" | 18'-3" |
| BWL X4 | GB | 10.00 | 7.00 | 1.00 | 1.03 | 0.95 | 1.45 | 6'-12" | 9'-0" |
| BWL Y1 | WSP | 14.00 | 5.40 | 1.00 | 1.24 | 0.95 | 1.45 | 9'-3" | 16'-0" |
| BWL Y2 | GB | 14.00 | 9.40 | 1.00 | 1.24 | 0.95 | 1.45 | 11'-3" | 12'-0" |
| BWL Y3 | GB | 30.00 | 9.50 | 1.00 | 1.48 | 0.95 | 1.45 | 13'-7" | 16'-4" |
| BWL Y4 | WSP | 30.00 | 5.50 | 1.00 | 1.30 | 1.10 | 1.45 | 11'-5" | 15'-0" |
| UPPER LEVEL | | | | | | | | | |
| BWL X1 | WSP | 22.00 | 4.30 | 1.00 | 1.00 | 0.95 | 1.00 | 4'-2" | 8'-0" |
| BWL X2 | WSP | 22.00 | 4.30 | 1.00 | 1.00 | 0.95 | 1.00 | 4'-2" | 8'-0" |
| BWL Y1 | WSP | 29.50 | 10.35 | 1.00 | 1.00 | 0.95 | 1.00 | 9'-10" | 10'-0" |
| BWL Y2 | WSP | 29.50 | 10.35 | 1.00 | 1.00 | 0.95 | 1.00 | 9'-10" | 12'-0" |

*** ADJUSTMENT CALCULATION METHOD:**

REQUIRED BRACING LENGTH (FT) × EXPOSURE FACTOR FTNT: b × ROOF TO EAVE TOTAL FTNT: c × WALL HEIGHT TOTAL FTNT: d × NUMBER BRACED LINES FTNT: e = REQUIRED BRACING LENGTH (FT)

**BWF CONSTRUCTION METHOD LEGEND**

| | | |
|---|---|---|
| LIB | - | LET IN BRACING |
| DWB | - | DIAGONAL WOOD BOARDS |
| WSP | - | WOOD STRUCTURAL PANEL |
| SFB | - | STRUCTURAL FIBER BOARD |
| GB | - | GYPSUM BOARD |
| PBS | - | PARTICLEBOARD SHEATHING |
| PCP | - | PORTLAND CEMENT PLASTER |
| HPS | - | HARDBOARD PANEL SIDING |
| ABW | - | ALTERNATE BRACED WALL |
| IPF | - | INTERMITTENT PORTAL FRAME |
| CS-WSP | - | CONT. SHEATHING - WOOD STRUCTURAL PANEL |
| CS-G | - | WOOD STRUCTURAL PANEL ADJACENT TO GARAGE & SUPPORTING ROOF LOAD ONLY |
| CS-PF | - | CONT. PORTAL FRAME |

W1 : 7/16" OSB SHEATHING W/8d NAILS @ 6" O.C. (EDGES), 12" O.C. (FIELD); BLKG. @ ALL EDGES (EXCEPT FOR CS METHOD

W2 : 1/2" GYP BOARD W/5d COOLER NAILS @ 4" O.C.

W1 : CS METHOD

PF : PORTAL FRAME

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PROJECT NO.
13-001

# 3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
# LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID


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SCALE: 1/4" = 1'-0"

INITIAL DATE: 2/28/2013
PRINT DATE: 5/24/2013

DRAWN BY: Steve Curtis

## WALL BRACING - MAIN LEVEL


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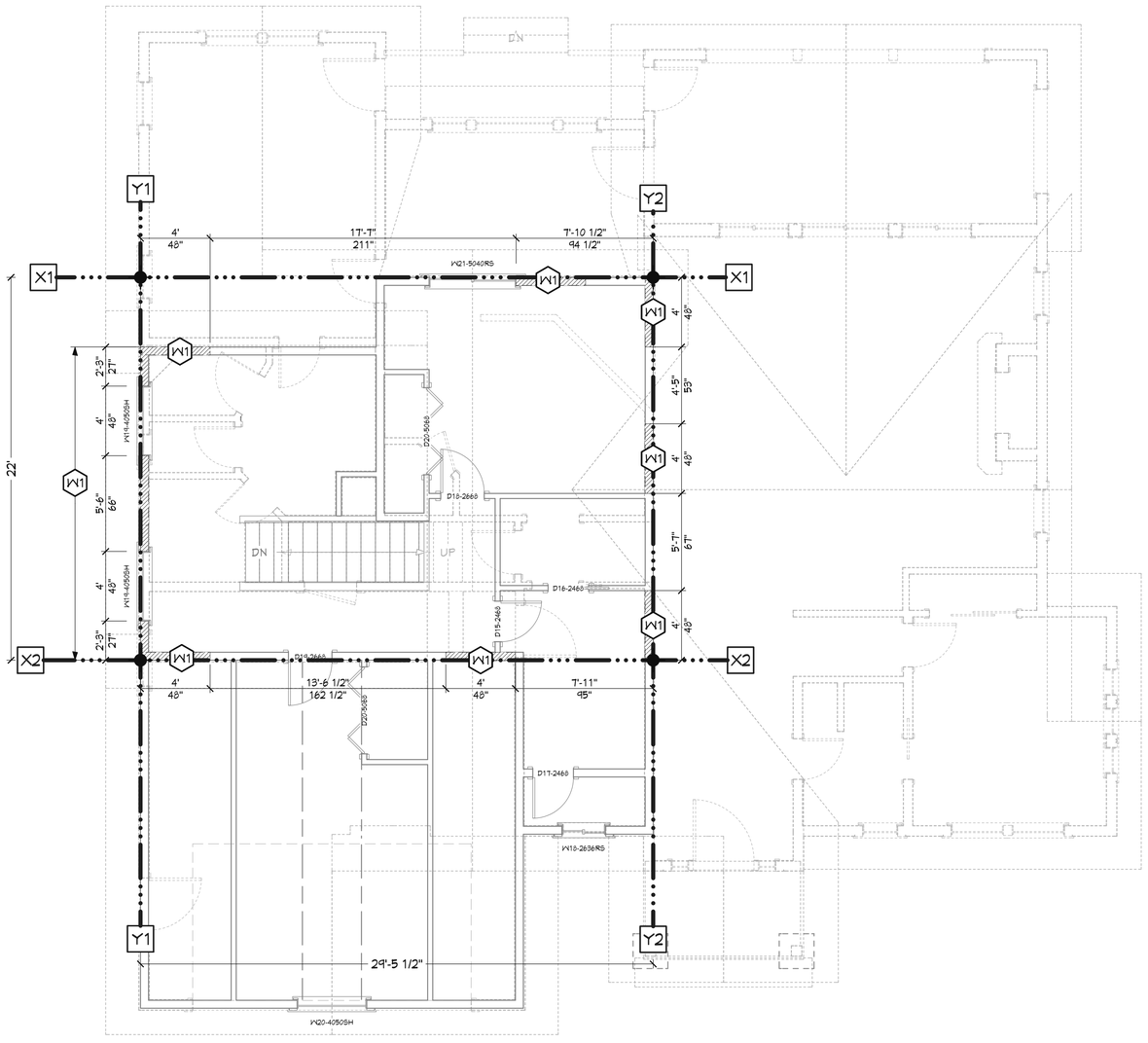


**BRACED PANEL LENGTH TABLE - BASED ON WIND SPEED (90 mph)**

| BRACED WALL LINE | BRACING METHOD TABLE R602.10.4.1 | BRACED WALL LINE SPACING | REQUIRED BRACING LENGTH (FT.) | EXPOSURE FACTOR FTNT:b | ROOF TO EAVE TOTAL FTNT:c | WALL HEIGHT TOTAL FTNT: d | NUMBER BRACED LINES FTNT: e | REQUIRED BRACING LENGTH (FT.) | PROVIDED BRACING LENGTH |
|---|---|---|---|---|---|---|---|---|---|
| MAIN LEVEL | | | | | | | | | |
| BWL X1 | WSP | 32.00 | 5.90 | 1.00 | 1.12 | 0.95 | 1.45 | 9'-2" | 14'-5" |
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| BWL Y4 | WSP | 30.00 | 5.50 | 1.00 | 1.30 | 1.10 | 1.45 | 11'-5" | 15'-0" |
| UPPER LEVEL | | | | | | | | | |
| BWL X1 | WSP | 22.00 | 4.30 | 1.00 | 1.00 | 0.95 | 1.00 | 4'-2" | 8'-0" |
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| BWL Y1 | WSP | 29.50 | 10.35 | 1.00 | 1.00 | 0.95 | 1.00 | 9'-10" | 10'-0" |
| BWL Y2 | WSP | 29.50 | 10.35 | 1.00 | 1.00 | 0.95 | 1.00 | 9'-10" | 12'-0" |

* ADJUSTMENT CALCULATION METHOD:

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**BWP CONSTRUCTION METHOD LEGEND**

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DWB - DIAGONAL WOOD BOARDS
WSP - WOOD STRUCTURAL PANEL
SFB - STRUCTURAL FIBER BOARD
GB - GYPSUM BOARD
PBS - PARTICLEBOARD SHEATHING
PCP - PORTLAND CEMENT PLASTER
HPS - HARDBOARD PANEL SIDING
ABW - ALTERNATE BRACED WALL
IPF - INTERMITTENT PORTAL FRAME
CS-WSP - CONT. SHEATHING - WOOD STRUCTURAL PANEL
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X1 : 7/16" OSB SHEATHERING W8d NAILS @ 6" O.C. (EDGES), 12" O.C. (FIELD); BLKG. @ ALL EDGES (EXCEPT FOR CS METHOD

X2 : 1/2" GYP BOARD W5d COOLER NAILS @ 4" O.C.

X1 : CS METHOD

PF : PORTAL FRAME

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PROJECT NO.
13-001

3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID


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DRAWN BY: Steve Curtis

INITIAL DATE: 2/28/2013
PRINT DATE: 5/24/2013

SCALE: 1/4" = 1'-0"

WALL BRACING - UPPER LEVEL


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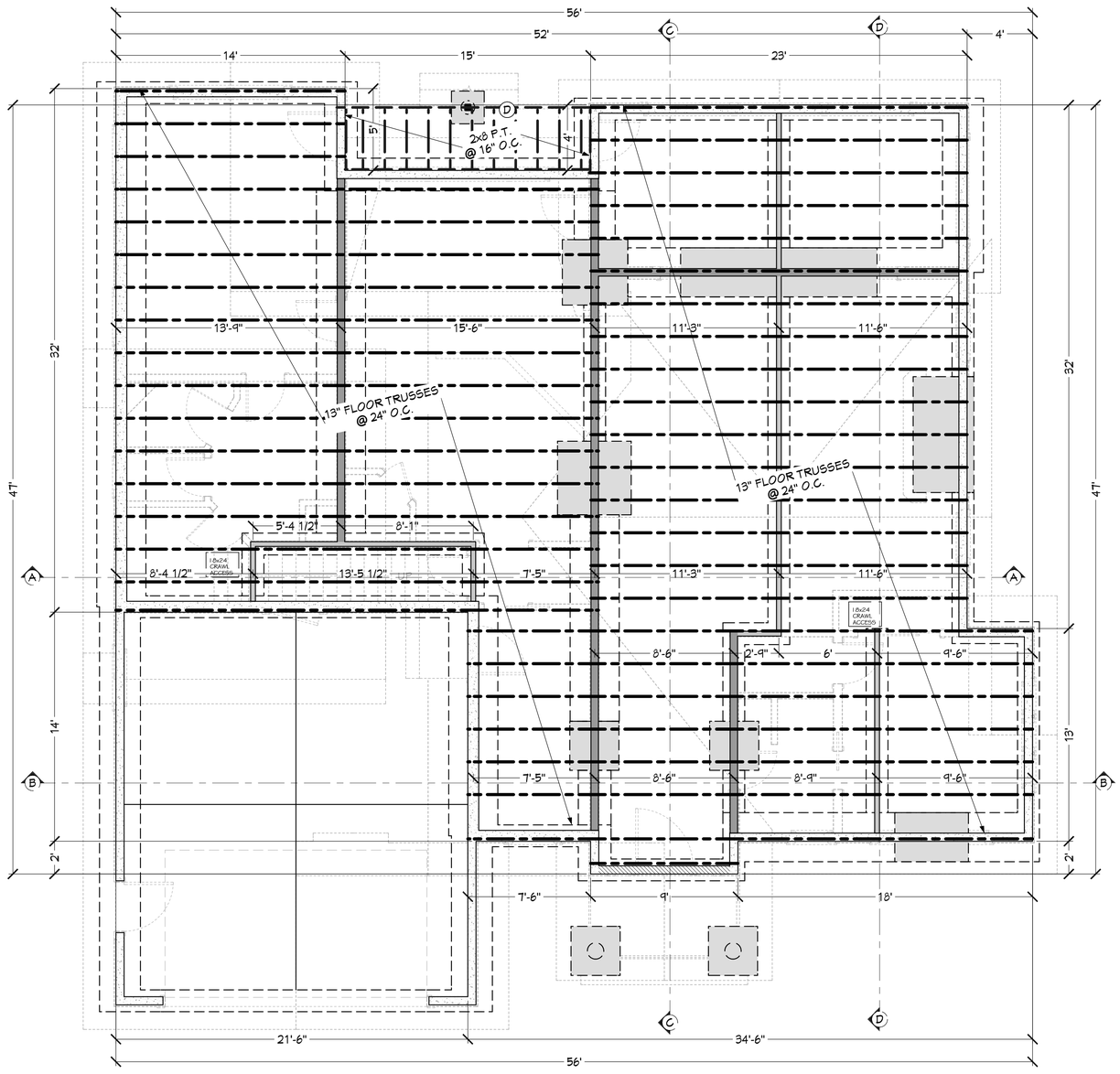


| DOOR SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HEIGHT | TYPE | TEMPERED | COMMENTS | QTY | NUMBER |
| D01 | 1 | 1 | 16080 R | 192" | 108" | GARAGE | | | 1 | D01 |
| D02 | 1 | 1 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D02 |
| D03 | 1 | 1 | 2468 R | 28" | 80" | POCKET | | | 1 | D03 |
| D04 | 4 | 1 | 2468 R IN | 28" | 80" | HINGED | | | 4 | D04 |
| D05 | 3 | 1 | 2668 R IN | 30" | 80" | HINGED | | | 3 | D05 |
| D06 | 1 | 1 | 2680 L IN | 30" | 96" | HINGED | | | 1 | D06 |
| D07 | 1 | 1 | 2868 L | 32" | 80" | POCKET | | | 1 | D07 |
| D08 | 1 | 1 | 3030 R FX | 36" | 36" | HINGED | | FIRE DOOR | 1 | D08 |
| D09 | 1 | 1 | 3068 L FX | 36" | 80" | HINGED | | | 1 | D09 |
| D10 | 1 | 1 | 3068 R FX | 36" | 80" | HINGED | | FIRE DOOR | 1 | D10 |
| D11 | 1 | 1 | 3068 R FX | 36" | 80" | HINGED | YES | | 1 | D11 |
| D12 | 1 | 1 | 3070 R FX | 36" | 84" | HINGED | YES | | 1 | D12 |
| D13 | 1 | 1 | 3680 L FX | 42" | 96" | HINGED | | | 1 | D13 |
| D14 | 1 | 1 | 5068 L IN | 60" | 80" | SLIDER | | | 1 | D14 |
| D15 | 1 | 2 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D15 |
| D16 | 1 | 2 | 2468 R | 28" | 80" | POCKET | | | 1 | D16 |
| D17 | 1 | 2 | 2468 R IN | 28" | 80" | HINGED | | | 1 | D17 |
| D18 | 1 | 2 | 2668 L IN | 30" | 80" | HINGED | | | 1 | D18 |
| D19 | 1 | 2 | 2668 R IN | 30" | 80" | HINGED | | | 1 | D19 |
| D20 | 2 | 2 | 5068 | 60" | 80" | 4 DR. BIFOLD | | | 2 | D20 |

| WINDOW SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HEIGHT | EGRESS | TEMPERED | DESCRIPTION | COMMENTS | QTY | NUMBER |
| W01 | 2 | 1 | 1070FX | 12" | 84" | | YES | FIXED GLASS | | 2 | W01 |
| W02 | 3 | 1 | 1616FX | 18" | 18" | | | FIXED GLASS | | 3 | W02 |
| W03 | 1 | 1 | 1640SH | 18" | 48" | | | SINGLE HUNG | | 1 | W03 |
| W04 | 3 | 1 | 1816FX | 20" | 18" | | | FIXED GLASS | | 3 | W04 |
| W05 | 1 | 1 | 2036SH | 24" | 42" | | | SINGLE HUNG | | 1 | W05 |
| W06 | 2 | 1 | 2060SH | 24" | 72" | | | SINGLE HUNG | | 2 | W06 |
| W07 | 2 | 1 | 2626FX | 30" | 30" | | | FIXED GLASS | | 2 | W07 |
| W08 | 1 | 1 | 2640SH | 30" | 48" | | | SINGLE HUNG | | 1 | W08 |
| W09 | 2 | 1 | 2650SH | 30" | 60" | | | SINGLE HUNG | | 2 | W09 |
| W10 | 1 | 1 | 3050SH | 36" | 60" | | | SINGLE HUNG | | 1 | W10 |
| W11 | 3 | 1 | 3060SH | 36" | 72" | | | SINGLE HUNG | | 3 | W11 |
| W12 | 1 | 1 | 3080SH | 36" | 72" | YES | | SINGLE HUNG | | 1 | W12 |
| W13 | 2 | 1 | 4016RS | 48" | 18" | | YES | RIGHT SLIDING | | 2 | W13 |
| W14 | 2 | 1 | 4070FX | 48" | 84" | | | FIXED GLASS | | 2 | W14 |
| W15 | 1 | 1 | 4680FX | 54" | 72" | | | FIXED GLASS | | 1 | W15 |
| W16 | 1 | 1 | 5016RS | 60" | 18" | | YES | RIGHT SLIDING | | 1 | W16 |
| W17 | 1 | 1 | 5070FX | 60" | 84" | | | FIXED GLASS | | 1 | W17 |
| W18 | 1 | 2 | 2636RS | 30" | 42" | | | RIGHT SLIDING | | 1 | W18 |
| W19 | 2 | 2 | 4050SH | 48" | 60" | | | SINGLE HUNG | | 2 | W19 |
| W20 | 1 | 2 | 4050SH | 48" | 60" | YES | | SINGLE HUNG | | 1 | W20 |
| W21 | 1 | 2 | 5040RS | 60" | 48" | YES | | RIGHT SLIDING | | 1 | W21 |

## BEAM SCHEDULE

A (3) 1-3/4" x 18" 1.9E Microllam® LVL
B (1) 5-1/2" x 18" 24F-V4 DF Glulam
C (1) 5-1/8" x 13-1/2" 24F-V4 DF Glulam
D (1) 4x8 D.F.

## HEADER SCHEDULE

A (1) 4x8 D.F.
B (1) 4x8 D.F.
(2) TRIMMERS EACH END
C (2) 1-3/4" x 9-1/4" 1.9E Microllam® LVL
(2) TRIMMERS EACH END
D (2) 2x12 D.F.
E (2) 1-3/4" x 9-1/4" 1.9E Microllam® LVL
(3) TRIMMERS EACH END
F (1) 5-1/2" x 15" 24F-V4 DF Glulam

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# 3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
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INITIAL DATE: 2/28/2013
PRINT DATE: 5/29/2013

DRAWN BY: Steve Curtis

## FLOOR FRAMING LAYOUT
## MAIN LEVEL


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Nampa, ID


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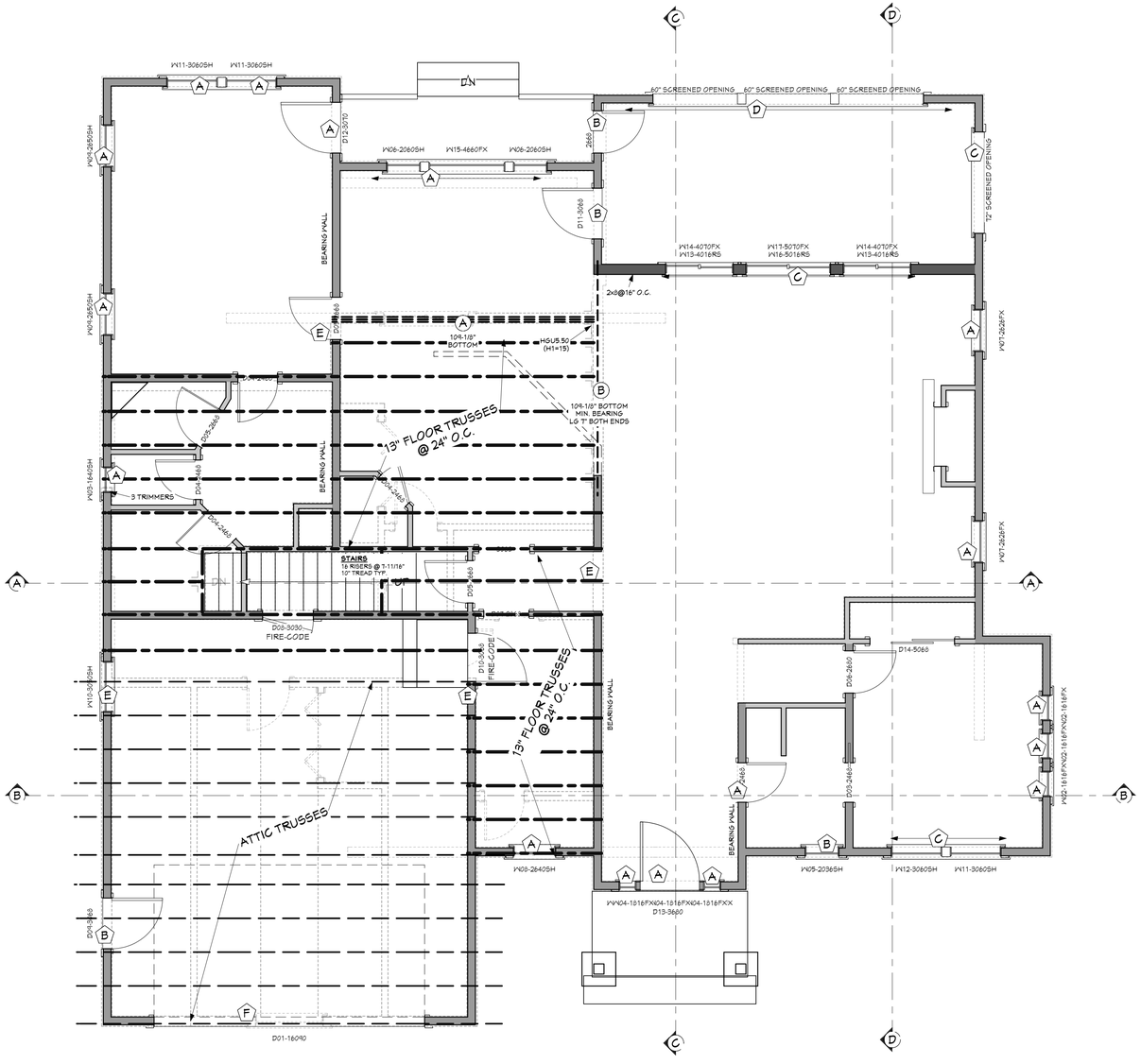



| DOOR SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HEIGHT | TYPE | TEMPERED | COMMENTS | QTY | NUMBER |
| D01 | 1 | 1 | 16080 R | 192" | 108" | GARAGE | | | 1 | D01 |
| D02 | 1 | 1 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D02 |
| D03 | 1 | 1 | 2468 R | 28" | 80" | POCKET | | | 1 | D03 |
| D04 | 4 | 1 | 2468 R IN | 28" | 80" | HINGED | | | 4 | D04 |
| D05 | 3 | 1 | 2668 R IN | 30" | 80" | HINGED | | | 3 | D05 |
| D06 | 1 | 1 | 2680 L IN | 30" | 96" | HINGED | | | 1 | D06 |
| D07 | 1 | 1 | 2868 L | 32" | 80" | POCKET | | | 1 | D07 |
| D08 | 1 | 1 | 3030 R FX | 36" | 36" | HINGED | | FIRE DOOR | 1 | D08 |
| D09 | 1 | 1 | 3068 L FX | 36" | 80" | HINGED | | | 1 | D09 |
| D10 | 1 | 1 | 3068 R FX | 36" | 80" | HINGED | | FIRE DOOR | 1 | D10 |
| D11 | 1 | 1 | 3068 R FX | 36" | 80" | HINGED | YES | | 1 | D11 |
| D12 | 1 | 1 | 3070 R FX | 36" | 84" | HINGED | YES | | 1 | D12 |
| D13 | 1 | 1 | 3680 L FX | 42" | 96" | HINGED | | | 1 | D13 |
| D14 | 1 | 1 | 5068 L IN | 60" | 80" | SLIDER | | | 1 | D14 |
| D15 | 1 | 2 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D15 |
| D16 | 1 | 2 | 2468 R | 28" | 80" | POCKET | | | 1 | D16 |
| D17 | 1 | 2 | 2468 R IN | 28" | 80" | HINGED | | | 1 | D17 |
| D18 | 1 | 2 | 2668 L IN | 30" | 80" | HINGED | | | 1 | D18 |
| D19 | 1 | 2 | 2668 R IN | 30" | 80" | HINGED | | | 1 | D19 |
| D20 | 2 | 2 | 5068 | 60" | 80" | 4 DR. BIFOLD | | | 2 | D20 |

| WINDOW SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HEIGHT | EGRESS | TEMPERED | DESCRIPTION | COMMENTS | QTY | NUMBER |
| W01 | 2 | 1 | 1070FX | 12" | 84" | | YES | FIXED GLASS | | 2 | W01 |
| W02 | 3 | 1 | 1616FX | 18" | 18" | | | FIXED GLASS | | 3 | W02 |
| W03 | 1 | 1 | 1640SH | 18" | 48" | | | SINGLE HUNG | | 1 | W03 |
| W04 | 3 | 1 | 1816FX | 20" | 18" | | | FIXED GLASS | | 3 | W04 |
| W05 | 1 | 1 | 2036SH | 24" | 42" | | | SINGLE HUNG | | 1 | W05 |
| W06 | 2 | 1 | 2060SH | 24" | 72" | | | SINGLE HUNG | | 2 | W06 |
| W07 | 2 | 1 | 2626FX | 30" | 30" | | | FIXED GLASS | | 2 | W07 |
| W08 | 1 | 1 | 2640SH | 30" | 48" | | | SINGLE HUNG | | 1 | W08 |
| W09 | 2 | 1 | 2650SH | 30" | 60" | | | SINGLE HUNG | | 2 | W09 |
| W10 | 1 | 1 | 3050SH | 36" | 60" | | | SINGLE HUNG | | 1 | W10 |
| W11 | 3 | 1 | 3060SH | 36" | 72" | | | SINGLE HUNG | | 3 | W11 |
| W12 | 1 | 1 | 3080SH | 36" | 72" | YES | | SINGLE HUNG | | 1 | W12 |
| W13 | 2 | 1 | 4016RS | 48" | 18" | | YES | RIGHT SLIDING | | 2 | W13 |
| W14 | 2 | 1 | 4070FX | 48" | 84" | | | FIXED GLASS | | 2 | W14 |
| W15 | 1 | 1 | 4660FX | 54" | 72" | | | FIXED GLASS | | 1 | W15 |
| W16 | 1 | 1 | 5016RS | 60" | 18" | | YES | RIGHT SLIDING | | 1 | W16 |
| W17 | 1 | 1 | 5070FX | 60" | 84" | | | FIXED GLASS | | 1 | W17 |
| W18 | 1 | 2 | 2636RS | 30" | 42" | | | RIGHT SLIDING | | 1 | W18 |
| W19 | 2 | 2 | 4050SH | 48" | 60" | | | SINGLE HUNG | | 2 | W19 |
| W20 | 1 | 2 | 4050SH | 48" | 60" | YES | | SINGLE HUNG | | 1 | W20 |
| W21 | 1 | 2 | 5040RS | 60" | 48" | YES | | RIGHT SLIDING | | 1 | W21 |

## ○BEAM SCHEDULE○

A (3) 1-3/4" x 18" 1.9E Microllam® LVL
B (1) 5-1/2" x 18" 24F-V4 DF Glulam
C (1) 5-1/8" x 13-1/2" 24F-V4 DF Glulam
D (1) 4x8 D.F.

## ⬠HEADER SCHEDULE⬠

A (1) 4x8 D.F.
B (1) 4x8 D.F.
(2) TRIMMER5 EACH END
C (2) 1-3/4" x 9-1/4" 1.9E Microllam® LVL
(2) TRIMMER5 EACH END
D (2) 2x12 D.F.
E (2) 1-3/4" x 9-1/4" 1.9E Microllam® LVL
(3) TRIMMER5 EACH END
F (1) 5-1/2" x 15" 24F-V4 DF Glulam

SHEET INDEX


| | |
|---|---|
| A1 | COVER SHEET |
| A2 | SITE PLAN |
| A3 | LANDSCAPE PLAN |
| A4 | FLOOR PLAN - MAIN LEVEL |
| A5 | FLOOR PLAN - UPPER LEVEL |
| A6 | ELEVATIONS |
| A7 | ELEVATIONS |
| A8 | SECTION VIEWS |
| A9 | FOUNDATION |
| A10 | DETAIL VIEWS |
| A11 | WALL BRACING - MAIN LEVEL |
| A12 | WALL BRACING - UPPER LEVEL |
| A13 | FLOOR FRAMING LAYOUT - MAIN LEVEL |
| A14 | FLOOR FRAMING LAYOUT - UPPER LEVEL |
| A15 | ROOF LAYOUT - MAIN LEVEL |
| A16 | ROOF LAYOUT - UPPER LEVEL |
| A17 | ROOF LAYOUT - OVERVIEW |
| M1 | ELECTRICAL |
| M2 | ENERGY SURVEY |


PROJECT NO.
13-001

# 3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
# LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID


CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.


SCALE: 1/4" = 1'-0"

INITIAL DATE: 2/26/2013
PRINT DATE: 5/24/2013

DRAWN BY: Steve Curtis

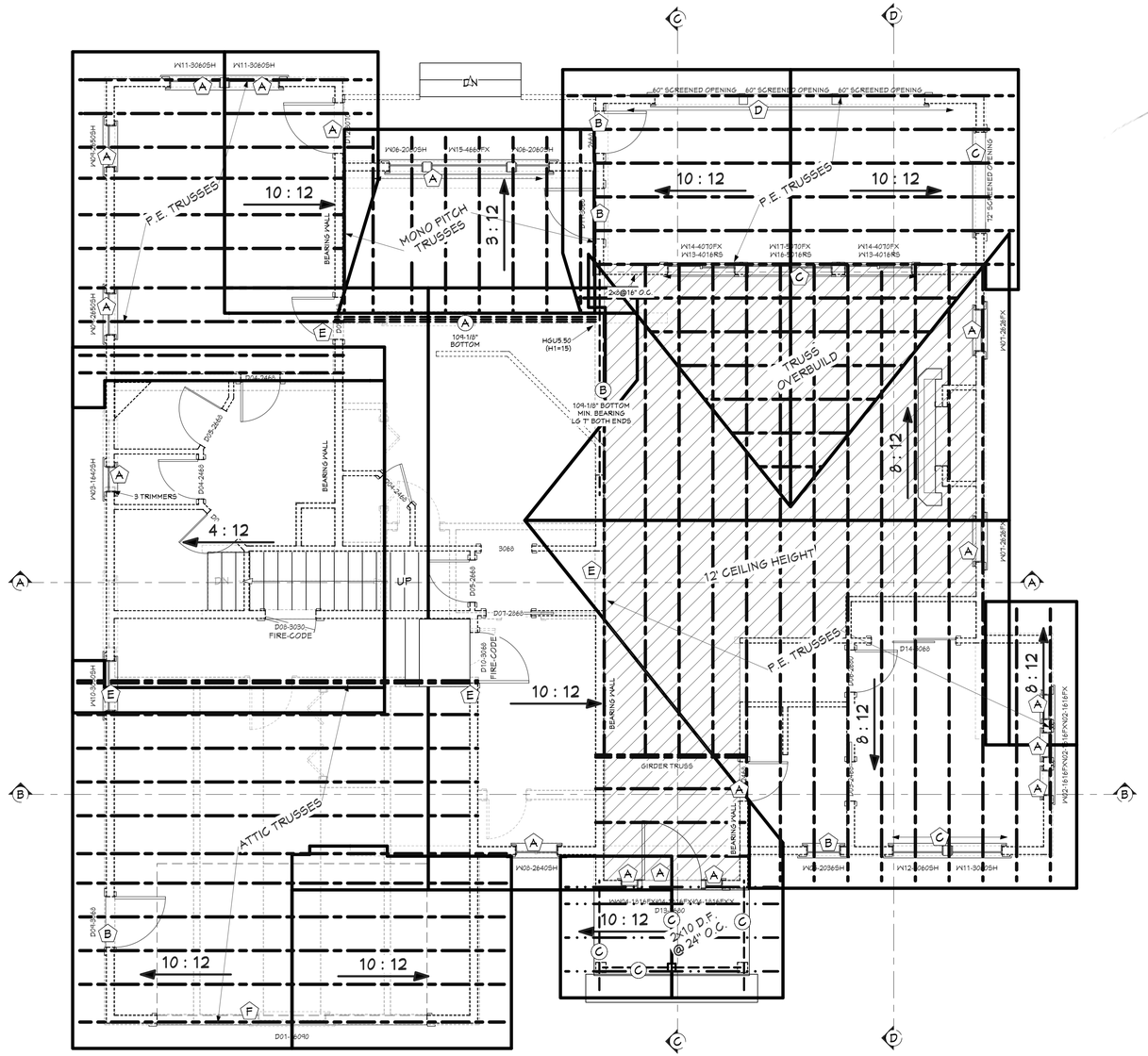
## FLOOR FRAMING LAYOUT
## UPPER LEVEL


SMC Design
208.249.7288
Nampa, ID


SHEET NUMBER
A14
PAGE 14 OF 19

| DOOR SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HFIGHT | TYPE | TEMPERED | COMMENTS | QTY | NUMBER |
| D01 | 1 | 1 | 16090 R | 192" | 108" | GARAGE | | | 1 | D01 |
| D02 | 1 | 1 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D02 |
| D03 | 1 | 1 | 2468 R | 28" | 80" | POCKET | | | 1 | D03 |
| D04 | 4 | 1 | 2468 R IN | 28" | 80" | HINGED | | | 4 | D04 |
| D05 | 3 | 1 | 2668 R IN | 30" | 80" | HINGED | | | 3 | D05 |
| D06 | 1 | 1 | 2680 L IN | 30" | 96" | HINGED | | | 1 | D06 |
| D07 | 1 | 1 | 2868 L | 32" | 80" | POCKET | | | 1 | D07 |
| D08 | 1 | 1 | 3030 R EX | 36" | 36" | HINGED | | FIRE DOOR | 1 | D08 |
| D09 | 1 | 1 | 3068 L EX | 36" | 80" | HINGED | | | 1 | D09 |
| D10 | 1 | 1 | 3068 R EX | 36" | 80" | HINGED | | FIRE DOOR | 1 | D10 |
| D11 | 1 | 1 | 3068 R EX | 36" | 80" | HINGED | YES | | 1 | D11 |
| D12 | 1 | 1 | 3070 R EX | 36" | 84" | HINGED | YES | | 1 | D12 |
| D13 | 1 | 1 | 3268 L EX | 42" | 96" | HINGED | | | 1 | D13 |
| D14 | 1 | 1 | 5068 L IN | 60" | 80" | SLIDER | | | 1 | D14 |
| D15 | 1 | 2 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D15 |
| D16 | 1 | 2 | 2468 R | 28" | 80" | POCKET | | | 1 | D16 |
| D17 | 1 | 2 | 2468 R IN | 28" | 80" | HINGED | | | 1 | D17 |
| D18 | 1 | 2 | 2668 L IN | 30" | 80" | HINGED | | | 1 | D18 |
| D19 | 1 | 2 | 2668 R IN | 30" | 80" | HINGED | | | 1 | D19 |
| D20 | 2 | 2 | 5068 | 60" | 80" | 4 DR. BIFOLD | | | 2 | D20 |

| WINDOW SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HFIGHT | EGRESS | TEMPERED | DESCRIPTION | COMMENTS | QTY | NUMBER |
| W01 | 2 | 1 | 10070FX | 12" | 84" | | YES | FIXED GLASS | | 2 | W01 |
| W02 | 3 | 1 | 1616FX | 18" | 18" | | | FIXED GLASS | | 3 | W02 |
| W03 | 1 | 1 | 16405H | 18" | 48" | | | SINGLE HUNG | | 1 | W03 |
| W04 | 3 | 1 | 1816FX | 20" | 18" | | | FIXED GLASS | | 3 | W04 |
| W05 | 1 | 1 | 20365H | 24" | 42" | | | SINGLE HUNG | | 1 | W05 |
| W06 | 2 | 1 | 20609H | 24" | 72" | | | SINGLE HUNG | | 2 | W06 |
| W07 | 2 | 1 | 2626FX | 30" | 30" | | | FIXED GLASS | | 2 | W07 |
| W08 | 1 | 1 | 26405H | 30" | 48" | | | SINGLE HUNG | | 1 | W08 |
| W09 | 2 | 1 | 26509H | 30" | 60" | | | SINGLE HUNG | | 2 | W09 |
| W10 | 1 | 1 | 30609H | 36" | 60" | | | SINGLE HUNG | | 1 | W10 |
| W11 | 3 | 1 | 30609H | 36" | 72" | | | SINGLE HUNG | | 3 | W11 |
| W12 | 1 | 1 | 30609H | 36" | 72" | YES | | SINGLE HUNG | | 1 | W12 |
| W13 | 2 | 1 | 4016RS | 48" | 18" | | YES | RIGHT SLIDING | | 2 | W13 |
| W14 | 2 | 1 | 4070FX | 48" | 84" | | | FIXED GLASS | | 2 | W14 |
| W15 | 1 | 1 | 4660FX | 54" | 72" | | | FIXED GLASS | | 1 | W15 |
| W16 | 1 | 1 | 5016RS | 60" | 18" | | YES | RIGHT SLIDING | | 1 | W16 |
| W17 | 1 | 1 | 5070FX | 60" | 84" | | | FIXED GLASS | | 1 | W17 |
| W18 | 1 | 2 | 2636RS | 30" | 42" | | | RIGHT SLIDING | | 1 | W18 |
| W19 | 2 | 2 | 40509H | 48" | 60" | | | SINGLE HUNG | | 2 | W19 |
| W20 | 1 | 2 | 40509H | 48" | 60" | YES | | SINGLE HUNG | | 1 | W20 |
| W21 | 1 | 2 | 5040RS | 60" | 48" | YES | | RIGHT SLIDING | | 1 | W21 |




## BEAM SCHEDULE

- A (3) 1-3/4" x 18" 1.9E Microllam® LVL
- B (1) 5-1/2" x 18" 24F-V4 DF Glulam
- C (1) 5-1/8" x 13-1/2" 24F-V4 DF Glulam
- D (1) 4x8 D.F.

## HEADER SCHEDULE

- A (1) 4x8 D.F.
- B (1) 4x8 D.F.
  (2) TRIMMERS EACH END
- C (2) 1-3/4" x 9-1/4" 1.9E Microllam® LVL
  (2) TRIMMERS EACH END
- D (2) 2x12 D.F.
- E (2) 1-3/4" x 9-1/4" 1.9E Microllam® LVL
  (3) TRIMMERS EACH END
- F (1) 5-1/2" x 15" 24F-V4 DF Glulam

## ROOF MATERIALS

| | |
|---|---|
| VALLEY FLASHING | 90 ft |
| 90 DEG. BEND ROOF/WALL FLASHING | 108 ft |
| BEND TO SLOPE ROOF/WALL FLASHING | 20 ft |
| RIDGE VENT | 125 ft |
| RIDGE CAP | 125 ft |
| 8x8x0 SHINGLES | 4069 sq ft |
| 4'x8'x5/8" SHEATHING | 124 ea |
| GABLE FASCIA | 354 ft |
| EAVE FASCIA | 202 ft |
| METAL DRIP EDGE | 555 ft |

SHEET INDEX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| A16 | ROOF LAYOUT - UPPER LEVEL |
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| M1 | ELECTRICAL |
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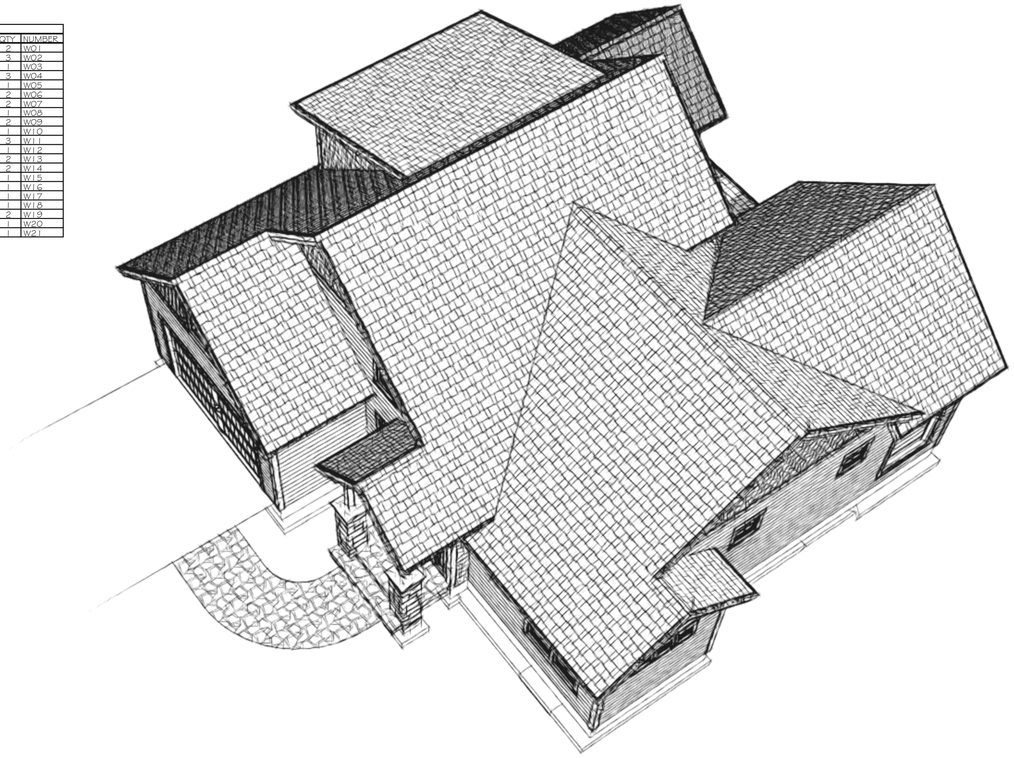


PROJECT NO.
13-001

# 3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
# LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID


CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.


SCALE: 1/4" = 1'-0"

INITIAL DATE: 2/28/2013
PRINT DATE: 5/24/2013

DRAWN BY: Steve Curtis

## ROOF LAYOUT - MAIN LEVEL


SMC Design
208.249.7288
Nampa, ID

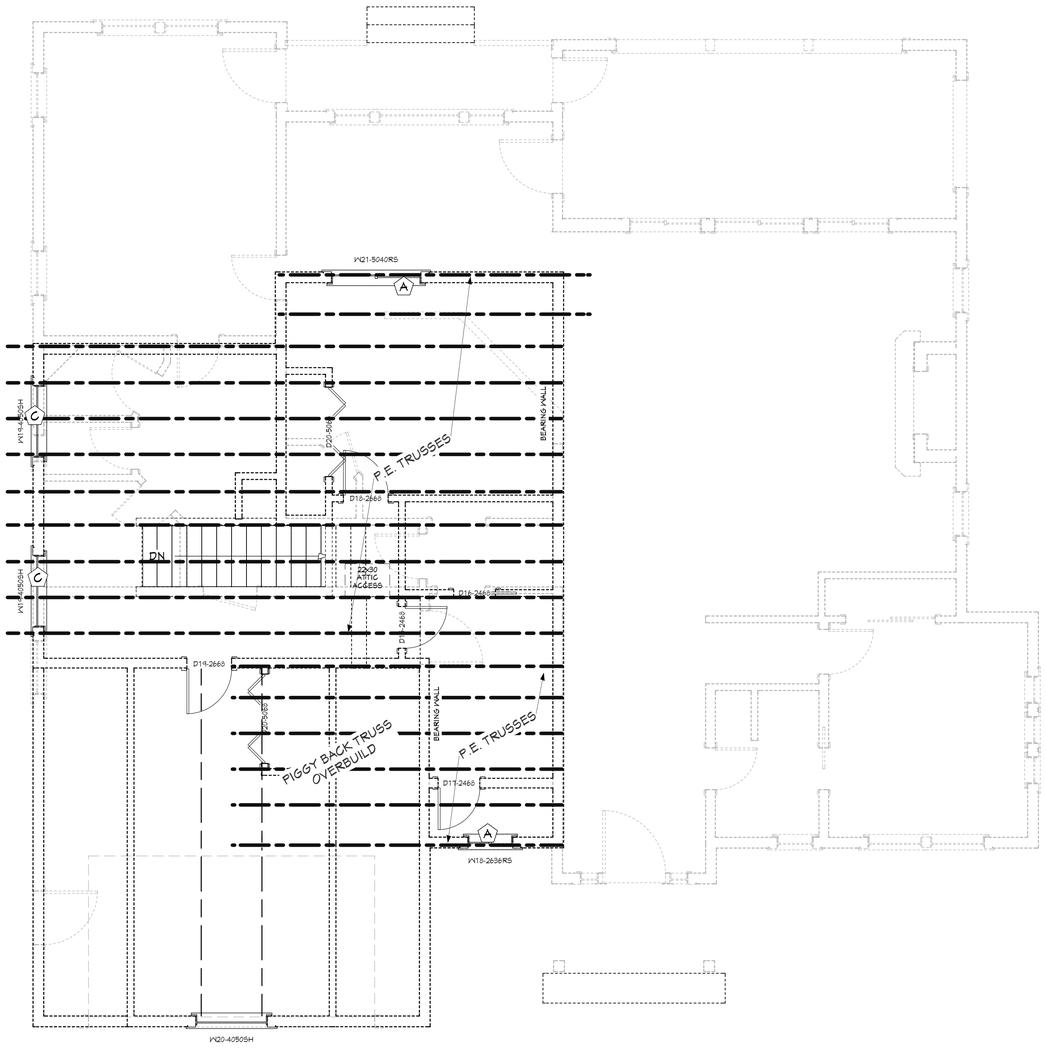

SHEET NUMBER
A15
PAGE 15 OF 19

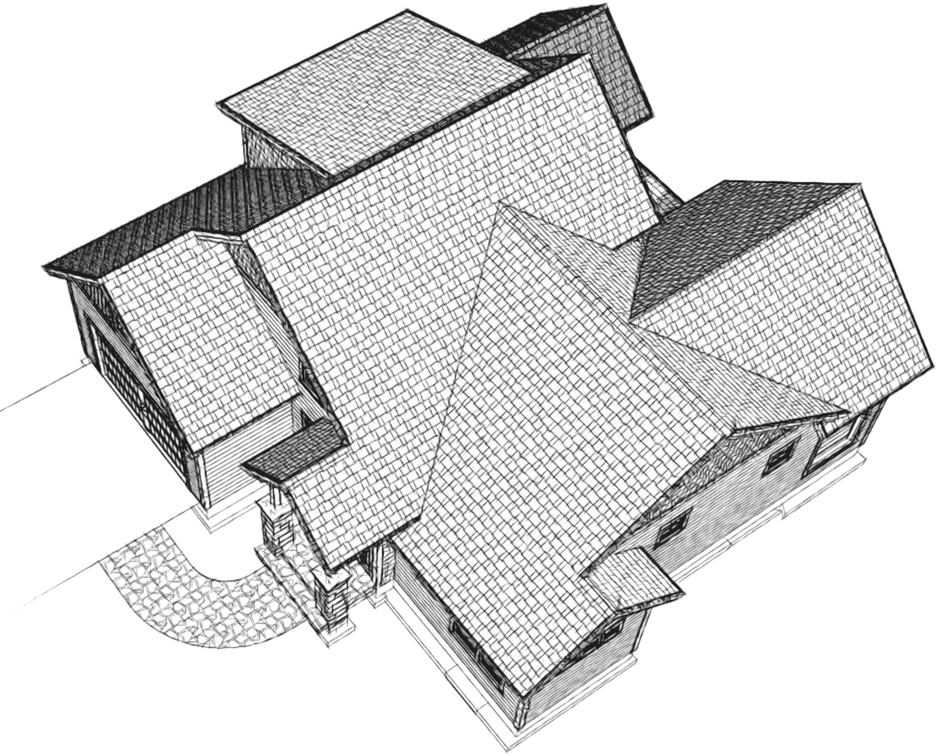
DOOR SCHEDULE

| NUMBER | QTY | FLOOR | SIZE | WIDTH | HEIGHT | TYPE | TEMPERED | COMMENTS | QTY | NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|
| D01 | 1 | 1 | 16090 R | 192" | 108" | GARAGE | | | 1 | D01 |
| D02 | 1 | 1 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D02 |
| D03 | 1 | 1 | 2468 R | 28" | 80" | POCKET | | | 1 | D03 |
| D04 | 4 | 1 | 2468 R IN | 28" | 80" | HINGED | | | 4 | D04 |
| D05 | 3 | 1 | 2668 R IN | 30" | 80" | HINGED | | | 3 | D05 |
| D06 | 1 | 1 | 2680 L IN | 30" | 96" | HINGED | | | 1 | D06 |
| D07 | 1 | 1 | 2868 L | 32" | 80" | POCKET | | | 1 | D07 |
| D08 | 1 | 1 | 3030 R EX | 36" | 36" | HINGED | | FIRE DOOR | 1 | D08 |
| D09 | 1 | 1 | 3068 L EX | 36" | 80" | HINGED | | | 1 | D09 |
| D10 | 1 | 1 | 3068 R EX | 36" | 80" | HINGED | | FIRE DOOR | 1 | D10 |
| D11 | 1 | 1 | 3068 R EX | 36" | 80" | HINGED | YES | | 1 | D11 |
| D12 | 1 | 1 | 3070 R EX | 36" | 84" | HINGED | YES | | 1 | D12 |
| D13 | 1 | 1 | 3250 L EX | 42" | 96" | HINGED | | | 1 | D13 |
| D14 | 1 | 1 | 5068 L IN | 60" | 80" | SLIDER | | | 1 | D14 |
| D15 | 1 | 2 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D15 |
| D16 | 1 | 2 | 2468 R | 28" | 80" | POCKET | | | 1 | D16 |
| D17 | 1 | 2 | 2468 R IN | 28" | 80" | HINGED | | | 1 | D17 |
| D18 | 1 | 2 | 2668 L IN | 30" | 80" | HINGED | | | 1 | D18 |
| D19 | 1 | 2 | 2668 R IN | 30" | 80" | HINGED | | | 1 | D19 |
| D20 | 2 | 2 | 5068 | 60" | 80" | 4 DR. BIFOLD | | | 2 | D20 |

WINDOW SCHEDULE

| NUMBER | QTY | FLOOR | SIZE | WIDTH | HEIGHT | EGRESS | TEMPERED | DESCRIPTION | COMMENTS | QTY | NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|
| W01 | 2 | 1 | 10707FX | 12" | 84" | | YES | FIXED GLASS | | 2 | W01 |
| W02 | 3 | 1 | 1616FX | 18" | 18" | | | FIXED GLASS | | 3 | W02 |
| W03 | 1 | 1 | 16405H | 18" | 48" | | | SINGLE HUNG | | 1 | W03 |
| W04 | 3 | 1 | 1816FX | 20" | 18" | | | FIXED GLASS | | 3 | W04 |
| W05 | 1 | 1 | 20365H | 24" | 42" | | | SINGLE HUNG | | 1 | W05 |
| W06 | 2 | 1 | 20609H | 24" | 72" | | | SINGLE HUNG | | 2 | W06 |
| W07 | 2 | 1 | 2626FX | 30" | 30" | | | FIXED GLASS | | 2 | W07 |
| W08 | 1 | 1 | 26405H | 30" | 48" | | | SINGLE HUNG | | 1 | W08 |
| W09 | 2 | 1 | 26509H | 30" | 60" | | | SINGLE HUNG | | 2 | W09 |
| W10 | 1 | 1 | 30509H | 36" | 60" | | | SINGLE HUNG | | 1 | W10 |
| W11 | 3 | 1 | 30609H | 36" | 72" | | | SINGLE HUNG | | 3 | W11 |
| W12 | 1 | 1 | 30609H | 36" | 72" | YES | | SINGLE HUNG | | 1 | W12 |
| W13 | 2 | 1 | 4016RS | 48" | 18" | | YES | RIGHT SLIDING | | 2 | W13 |
| W14 | 2 | 1 | 4070FX | 48" | 84" | | | FIXED GLASS | | 2 | W14 |
| W15 | 1 | 1 | 4660FX | 54" | 72" | | | FIXED GLASS | | 1 | W15 |
| W16 | 1 | 1 | 5016RS | 60" | 18" | | YES | RIGHT SLIDING | | 1 | W16 |
| W17 | 1 | 1 | 5070FX | 60" | 84" | | | FIXED GLASS | | 1 | W17 |
| W18 | 1 | 2 | 2636RS | 30" | 42" | | | RIGHT SLIDING | | 1 | W18 |
| W19 | 2 | 2 | 40505H | 48" | 60" | | | SINGLE HUNG | | 2 | W19 |
| W20 | 1 | 2 | 40505H | 48" | 60" | YES | | SINGLE HUNG | | 1 | W20 |
| W21 | 1 | 2 | 5040RS | 60" | 48" | YES | | RIGHT SLIDING | | 1 | W21 |



## BEAM SCHEDULE

A (3) 1-3/4" x 18" 1.9E Microllam® LVL
B (1) 5-1/2" x 18" 24F-V4 DF Glulam
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## ROOF MATERIALS

| | |
|---|---|
| VALLEY FLASHING | 90 ft |
| 90 DEG. BEND ROOF/WALL FLASHING | 108 ft |
| BEND TO SLOPE ROOF/WALL FLASHING | 20 ft |
| RIDGE VENT | 125 ft |
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| GABLE FASCIA | 354 ft |
| EAVE FASCIA | 202 ft |
| METAL DRIP EDGE | 555 ft |

SHEET INDEX


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| M1 | ELECTRICAL |
| M2 | ENERGY SURVEY |


PROJECT NO.
13-001

3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID


CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.


SCALE: 1/4" = 1'-0"

INITIAL DATE: 2/28/2013
PRINT DATE: 5/29/2013

DRAWN BY: Steve Curtis

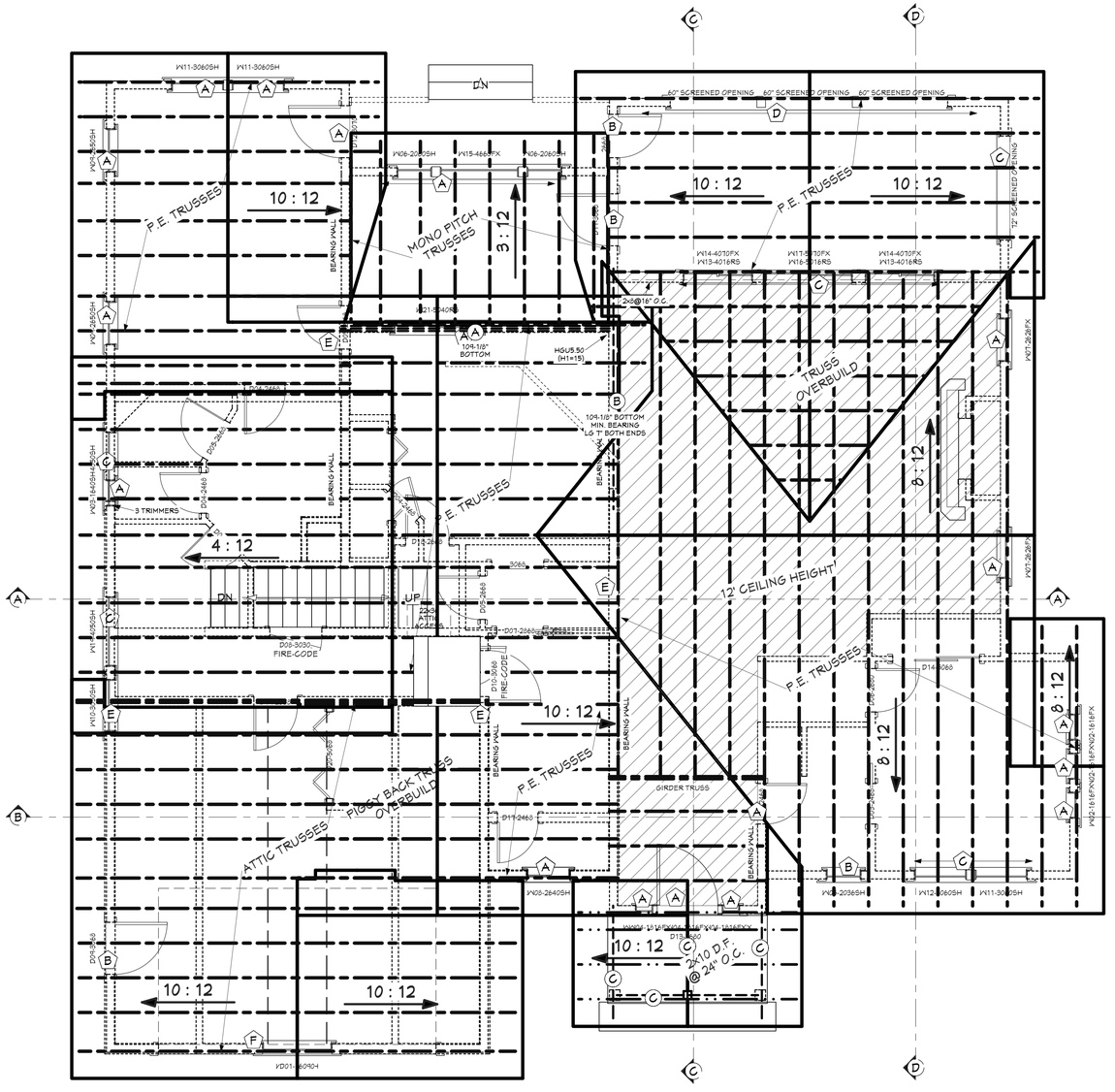
# ROOF LAYOUT - UPPER LEVEL

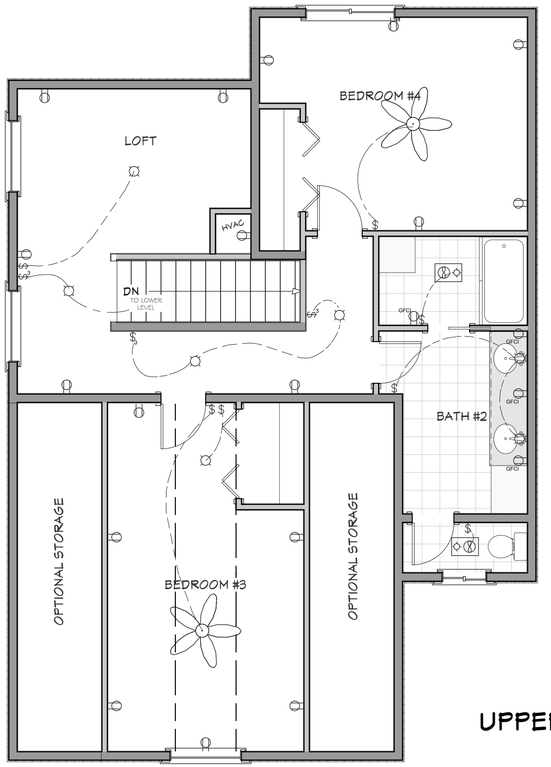

SMC Design
208.249.7288
Nampa, ID


SHEET NUMBER
A16

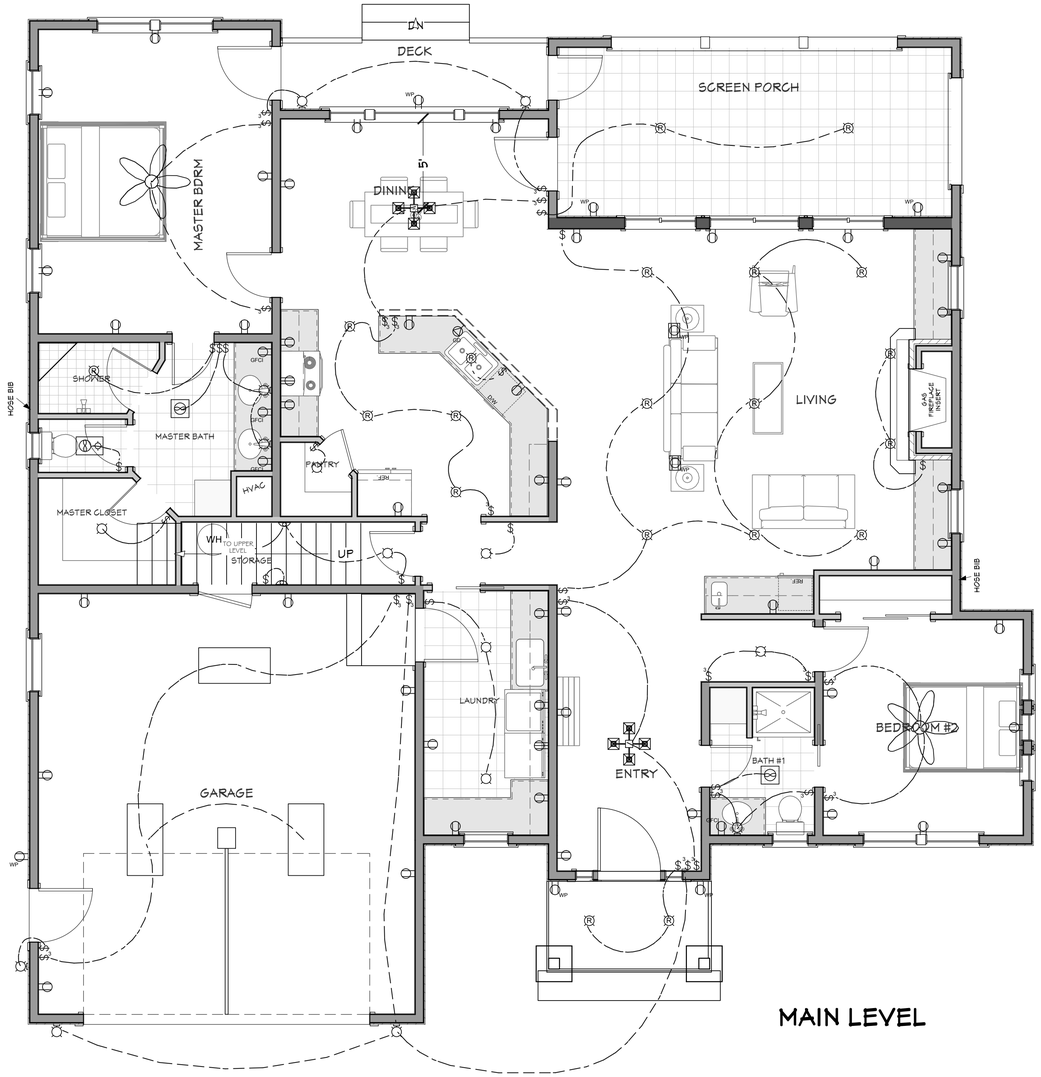
| DOOR SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HFIGHT | TYPE | TEMPERED | COMMENTS | QTY | NUMBER |
| D01 | 1 | 1 | 16090 R | 192" | 108" | GARAGE | | | 1 | D01 |
| D02 | 1 | 1 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D02 |
| D03 | 1 | 1 | 2468 R | 28" | 80" | POCKET | | | 1 | D03 |
| D04 | 4 | 1 | 2468 R IN | 28" | 80" | HINGED | | | 4 | D04 |
| D05 | 3 | 1 | 2668 R IN | 30" | 80" | HINGED | | | 3 | D05 |
| D06 | 1 | 1 | 2680 L IN | 30" | 96" | HINGED | | | 1 | D06 |
| D07 | 1 | 1 | 2868 L | 32" | 80" | POCKET | | | 1 | D07 |
| D08 | 1 | 1 | 3030 R EX | 36" | 36" | HINGED | | FIRE DOOR | 1 | D08 |
| D09 | 1 | 1 | 3068 L EX | 36" | 80" | HINGED | | | 1 | D09 |
| D10 | 1 | 1 | 3068 R EX | 36" | 80" | HINGED | | FIRE DOOR | 1 | D10 |
| D11 | 1 | 1 | 3068 R EX | 36" | 80" | HINGED | YES | | 1 | D11 |
| D12 | 1 | 1 | 3070 R EX | 36" | 84" | HINGED | YES | | 1 | D12 |
| D13 | 1 | 1 | 3268 L EX | 42" | 96" | HINGED | | | 1 | D13 |
| D14 | 1 | 1 | 5068 L IN | 60" | 80" | SLIDER | | | 1 | D14 |
| D15 | 1 | 2 | 2468 L IN | 28" | 80" | HINGED | | | 1 | D15 |
| D16 | 1 | 2 | 2468 R | 28" | 80" | POCKET | | | 1 | D16 |
| D17 | 1 | 2 | 2468 R IN | 28" | 80" | HINGED | | | 1 | D17 |
| D18 | 1 | 2 | 2668 L IN | 30" | 80" | HINGED | | | 1 | D18 |
| D19 | 1 | 2 | 2668 R IN | 30" | 80" | HINGED | | | 1 | D19 |
| D20 | 2 | 2 | 5068 | 60" | 80" | 4 DR. BIFOLD | | | 2 | D20 |

| WINDOW SCHEDULE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | QTY | FLOOR | SIZE | WIDTH | HFIGHT | EGRESS | TEMPERED | DESCRIPTION | COMMENTS | QTY | NUMBER |
| W01 | 2 | 1 | 10707FX | 12" | 84" | | YES | FIXED GLASS | | 2 | W01 |
| W02 | 3 | 1 | 1616FX | 18" | 18" | | | FIXED GLASS | | 3 | W02 |
| W03 | 1 | 1 | 16405H | 18" | 48" | | | SINGLE HUNG | | 1 | W03 |
| W04 | 3 | 1 | 1816FX | 20" | 18" | | | FIXED GLASS | | 3 | W04 |
| W05 | 1 | 1 | 20365H | 24" | 42" | | | SINGLE HUNG | | 1 | W05 |
| W06 | 2 | 1 | 20609H | 24" | 72" | | | SINGLE HUNG | | 2 | W06 |
| W07 | 2 | 1 | 2626FX | 30" | 30" | | | FIXED GLASS | | 2 | W07 |
| W08 | 1 | 1 | 26405H | 30" | 48" | | | SINGLE HUNG | | 1 | W08 |
| W09 | 2 | 1 | 26509H | 30" | 60" | | | SINGLE HUNG | | 2 | W09 |
| W10 | 1 | 1 | 30609H | 36" | 60" | | | SINGLE HUNG | | 1 | W10 |
| W11 | 3 | 1 | 30609H | 36" | 72" | | | SINGLE HUNG | | 3 | W11 |
| W12 | 1 | 1 | 30609H | 36" | 72" | YES | | SINGLE HUNG | | 1 | W12 |
| W13 | 2 | 1 | 4016RS | 48" | 18" | | YES | RIGHT SLIDING | | 2 | W13 |
| W14 | 2 | 1 | 4070FX | 48" | 84" | | | FIXED GLASS | | 2 | W14 |
| W15 | 1 | 1 | 4660FX | 54" | 72" | | | FIXED GLASS | | 1 | W15 |
| W16 | 1 | 1 | 5016RS | 60" | 18" | | YES | RIGHT SLIDING | | 1 | W16 |
| W17 | 1 | 1 | 5070FX | 60" | 84" | | | FIXED GLASS | | 1 | W17 |
| W18 | 1 | 2 | 2636RS | 30" | 42" | | | RIGHT SLIDING | | 1 | W18 |
| W19 | 2 | 2 | 40509H | 48" | 60" | | | SINGLE HUNG | | 2 | W19 |
| W20 | 1 | 2 | 40509H | 48" | 60" | YES | | SINGLE HUNG | | 1 | W20 |
| W21 | 1 | 2 | 5040RS | 60" | 48" | YES | | RIGHT SLIDING | | 1 | W21 |


W11-30609H
W11-30609H
DN
60" SCREENED OPENING
60" SCREENED OPENING
60" SCREENED OPENING
W08-26509H
W15-4660FX
W08-26509H
10 : 12
P.E. TRUSSES
10 : 12
P.E. TRUSSES
MONO PITCH TRUSSES
3 : 12
BEARING WALL
W14-4070FX
W13-4016RS
W11-5070FX
W18-5016RS
W14-4070FX
W13-4016RS
72" SCREENED OPENING
2x8@16" O.C.
W21-5040RS
109-1/8" BOTTOM
HGUS5.50 (H1=15)
TRUSS OVERBUILD
109-1/8" BOTTOM MIN. BEARING LG TI BOTH ENDS
W07-2626FX
D05-2668
3 TRIMMERS
D04-2668
P.E. TRUSSES
4 : 12
8 : 12
DN
UP
D02-2668
D07-2668
12' CEILING HEIGHT
D08-3050 FIRE-CODE
D10-2868 FIRE-CODE
P.E. TRUSSES
D14-5068
10 : 12
8 : 12
W08-26509H
W07-2626FX
W02-1616FX
W02-1616FX
W02-1616FX
W02-1616FX
W08-26405H
W08-20365H
W12-30609H
W11-30609H
D13-5060
2x10 D.F. @ 24" O.C.
10 : 12
10 : 12
10 : 12
PIGGY BACK TRUSS OVERBUILD
ATTIC TRUSSES
GIRDER TRUSS
BEARING WALL
D09-3068
D11-2468
D01-16090
D06-2680
D12-3070
D03-2468
W01-10707FX
W01-10707FX
W01-10707FX




UPPER LEVEL




MAIN LEVEL

| | |
|---|---|
| | 220V RECEP. |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER RECEP. |
| WP | WEATHERPROOF RECEP. |
| | EXHAUST FAN |
| | EXHAUST FAN/LIGHT COMBO |
| | CEILING FAN/LIGHT COMBO |
| | CABLE JACK |
| | TELEPHONE JACK |
| | TELEVISION JACK |
| | SMOKE DETECTOR (WALL MOUNT) |
| SD | SMOKE DETECTOR (CEILING MOUNT) |
| | WALL SCONCE |
| | LIGHT-CEILING MOUNT |
| R | LIGHT-CEILING (RECESSED) |
| | LIGHT-FLUORESCENT |
| | LIGHT-MINI CAN |
| $ | SWITCH |
| 3 $ | SWITCH- 3 WAY |
| 4 $ | SWITCH- 4 WAY |
| DM $ | SWITCH- DIMMER |
| WP $ | SWITCH- WEATHER PROOF |
| $OC | SWITCH- W/MOTION SENSOR |

**EXTERIOR LIGHTING NOTES:**

All exterior lighting shall use full cutoff luminaries with the light source downcast and fully shielded, with the following exceptions:

(A) Luminaries that have a maximum output of four hundred (400) lumens per fixture, regardless of number of lamps (equal to one 40 watt incandescent light), may be left unshielded, provided the luminaire has an opaque top or is under an opaque structure. (See figure 5 in section 3.14.09 of this chapter.)

(B) Luminaries that have a maximum output of one thousand (1,000) lumens per fixture, regardless of number of lamps (equal to one 60 watt incandescent light), the bulb is not visible, and the luminaire has an opaque top or is under an opaque structure. (See figure 3 in section 3.14.09 of this chapter.)

(C) Floodlights with external shielding shall be angled; provided, that no light is directed above a twenty five degree (25°) angle measured from the vertical line from the center of the light extended to the ground, and only if the luminaire does not cause glare or light to shine on adjacent property or public rights of way (see figure 6 in section 3.14.09 of this chapter). Photocells with timers that allow a floodlight to go on at dusk and off by eleven o'clock (11:00) P.M. are encouraged.

(D) Sensor activated luminaries, provided:
1. It is located in such a manner as to prevent glare and lighting onto properties of others or into a public right of way;
2. The luminaire is set to only go on when activated and to go off within five (5) minutes after activation has ceased;
3. The luminaire shall not be triggered by activity off the property.

**PLACEMENT AND HEIGHT:**

Private Property. Freestanding luminaries on private property in residential zones shall be mounted at a height equal to or less than the sum of H = (D/3)+3, where D is the distance in feet to the nearest property boundary, but shall not be higher than fifteen feet (15') from ground level to the top of the luminaire, whichever is less.

Example

| Pole Height | Distance To Property Line |
|---|---|
| 15 feet | 36 feet (36/3 = 12+3=15) |
| 12 feet | 27 feet (27/3 = 9+3=12) |
| 9 feet | 18 feet (18/3 = 6+3=9) |

All exterior lighting shall not cause light trespass and shall protect adjacent properties from glare and excessive lighting.

ELECTRICAL SCHEDULE

| NUMBER | QTY | FLOOR | ATTACHED TO | DESCRIPTION | COMMENTS |
|---|---|---|---|---|---|
| F01 | 3 | 1 | CEILING | 21X48 SURFACE MOUNTED 148W2 LDI | |
| F02 | 2 | 1 | CEILING | CEILING FAN | |
| F03 | 7 | 1 | CEILING | CONTEMPORARY FLUSH | |
| F04 | 2 | 1 | CEILING | CRAFTSMAN CHANDELIER | |
| F05 | 2 | 1 | CEILING | EXHAUST | |
| F06 | 1 | 1 | CEILING | EXHAUST (LIGHT) | |
| F07 | 19 | 1 | CEILING | RECESSED DOWN LIGHT | |
| F08 | 1 | 1 | CEILING | RECESSED VAPOR LIGHT | |
| F09 | 2 | 1 | FLOOR | DUPLEX (WEATHERPROOF) | |
| F10 | 2 | 1 | WALL | 220V | |
| F11 | 3 | 1 | WALL | BOWL SCONCE (TRIPLE) | |
| F12 | 5 | 1 | WALL | CAGED LANTERN | |
| F13 | 45 | 1 | WALL | DUPLEX | |
| F14 | 6 | 1 | WALL | DUPLEX (WEATHERPROOF) | |
| F15 | 4 | 1 | WALL | GFCI | |
| F16 | 1 | 1 | WALL | GARBAGE DISPOSAL SWITCH | |
| F17 | 17 | 1 | WALL | SINGLE POLE | |
| F18 | 21 | 1 | WALL | THREE WAY | |
| F19 | 2 | 1 | WALL | WALL SCONCE | |
| F20 | 2 | 2 | CEILING | CEILING FAN | |
| F21 | 5 | 2 | CEILING | CONTEMPORARY FLUSH | |
| F22 | 2 | 2 | CEILING | EXHAUST (LIGHT) | |
| F23 | 2 | 2 | WALL | BOWL SCONCE (TRIPLE) | |
| F24 | 17 | 2 | WALL | DUPLEX | |
| F25 | 4 | 2 | WALL | GFCI | |
| F26 | 7 | 2 | WALL | SINGLE POLE | |
| F27 | 3 | 2 | WALL | THREE WAY | |

SHEET INDEX


| | |
|---|---|
| A1 | COVER SHEET |
| A2 | SITE PLAN |
| A3 | LANDSCAPE PLAN |
| A4 | FLOOR PLAN - MAIN LEVEL |
| A5 | FLOOR PLAN - UPPER LEVEL |
| A6 | ELEVATIONS |
| A7 | ELEVATIONS |
| A8 | SECTION VIEWS |
| A9 | FOUNDATION |
| A10 | DETAIL VIEWS |
| A11 | WALL BRACING - MAIN LEVEL |
| A12 | WALL BRACING - UPPER LEVEL |
| A13 | FLOOR FRAMING LAYOUT - MAIN LEVEL |
| A14 | FLOOR FRAMING LAYOUT - UPPER LEVEL |
| A15 | ROOF LAYOUT - MAIN LEVEL |
| A16 | ROOF LAYOUT - UPPER LEVEL |
| A17 | ROOF LAYOUT - OVERVIEW |
| M1 | ELECTRICAL |
| M2 | ENERGY SURVEY |


PROJECT NO.
13-001

# 3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
# LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID


CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.


SCALE: 1/4" = 1'-0"

INITIAL DATE: 2/28/2013
PRINT DATE: 5/24/2013

DRAWN BY: Steve Curtis

## ELECTRICAL


SMC Design
208.249.7288
Nampa, ID


SHEET NUMBER
M1

## RES*check* Software Version 4.4.4
# Compliance Certificate

Energy Code: **2012 IECC**
Location: **McCall, Idaho**
Construction Type: **Single Family**
Project Type: **New construction**
Glazing Area Percentage: **18%**
Heating Degree Days: **8772**
Climate Zone: **6**

Construction Site: Owner/Agent: Designer/Contractor:

Compliance: **Passes using UA trade-off**

Compliance: **5.1% Better Than Code** Maximum UA: **393** Your UA: **373**

The % Better or Worse Than Code index reflects how close to compliance the house is based on code trade-off rules.
It DOES NOT provide an estimate of energy use or cost relative to a minimum-code home.

| Assembly | Gross Area or Perimeter | Cavity R-Value | Cont. R-Value | Glazing or Door U-Factor | UA |
|---|---|---|---|---|---|
| Ceiling 1: Flat Ceiling or Scissor Truss | 2127 | 0.0 | 50.0 | | 40 |
| Floor 1: All-Wood Joist/Truss:Over Unconditioned Space | 2127 | 30.0 | 0.0 | | 70 |
| Walls - Lower - Front: Wood Frame, 16" o.c. | 400 | 21.0 | 0.0 | | 16 |
| Window 1: Vinyl Frame:Double Pane with Low-E | 75 | | | 0.260 | 20 |
| Door 1: Glass | 37 | | | 0.260 | 10 |
| Walls - Lower - Left: Wood Frame, 16" o.c. | 481 | 21.0 | 0.0 | | 25 |
| Window 9: Vinyl Frame:Double Pane with Low-E | 31 | | | 0.260 | 8 |
| Door 3: Solid | 20 | | | 0.500 | 10 |
| Walls - Lower - Rear: Wood Frame, 16" o.c. | 400 | 21.0 | 0.0 | | 12 |
| Window 3: Vinyl Frame:Double Pane with Low-E | 198 | | | 0.260 | 51 |
| Walls - Lower - Right: Wood Frame, 16" o.c. | 481 | 21.0 | 0.0 | | 24 |
| Window 4: Vinyl Frame:Double Pane with Low-E | 19 | | | 0.260 | 5 |
| Door 4: Glass | 41 | | | 0.260 | 11 |
| Walls - Upper - Front: Wood Frame, 16" o.c. | 140 | 21.0 | 0.0 | | 6 |
| Window 7: Vinyl Frame:Double Pane with Low-E | 29 | | | 0.260 | 8 |
| Walls - Upper - Left: Wood Frame, 16" o.c. | 328 | 21.0 | 0.0 | | 16 |
| Window 8: Metal Frame:Double Pane with Low-E | 40 | | | 0.260 | 10 |
| Walls - Upper - Rear: Wood Frame, 24" o .c. | 140 | 21.0 | 0.0 | | 7 |
| Window 6: Vinyl Frame:Double Pane with Low-E | 20 | | | 0.260 | 5 |
| Walls - Upper - Right: Wood Frame, 16" o.c. | 328 | 21.0 | 0.0 | | 19 |

*Compliance Statement:* The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2012 IECC requirements in RES*check* Version 4.4.4 and to comply with the mandatory requirements listed in the RES*check* Inspection Checklist.

Name - Title Signature Date



## RES*check* Software Version 4.4.4
# Inspection Checklist

Energy Code: **2012 IECC**
Location: **McCall, Idaho**
Construction Type: **Single Family**
Project Type: **New construction**
Glazing Area Percentage: **18%**
Heating Degree Days: **8772**
Climate Zone: **6**

### Ceilings:

☐ Ceiling 1: Flat Ceiling or Scissor Truss, R-50.0 continuous insulation
Comments: _____
Where air permeable insulation exists in vented attics, a baffle (of solid material) is installed adjacent to soffit and eave vents. Baffles maintain an opening equal or greater than the size of the vent. The baffle extends over the top of the attic insulation.

### Above-Grade Walls:

☐ Walls - Lower - Front: Wood Frame, 16" o.c., R-21.0 cavity insulation
Comments: _____

☐ Walls - Lower - Left: Wood Frame, 16" o.c., R-21.0 cavity insulation
Comments: _____

☐ Walls - Lower - Rear: Wood Frame, 16" o.c., R-21.0 cavity insulation
Comments: _____

☐ Walls - Lower - Right: Wood Frame, 16" o.c., R-21.0 cavity insulation
Comments: _____

☐ Walls - Upper - Front: Wood Frame, 16" o.c., R-21.0 cavity insulation
Comments: _____

☐ Walls - Upper - Left: Wood Frame, 16" o.c., R-21.0 cavity insulation
Comments: _____

☐ Walls - Upper - Rear: Wood Frame, 24" o .c., R-21.0 cavity insulation
Comments: _____

☐ Walls - Upper - Right: Wood Frame, 16" o.c., R-21.0 cavity insulation
Comments: _____

### Windows:

☐ Window 1: Vinyl Frame:Double Pane with Low-E, U-factor: 0.260
For windows without labeled U-factors, describe features:
#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

☐ Window 9: Vinyl Frame:Double Pane with Low-E, U-factor: 0.260
For windows without labeled U-factors, describe features:
#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

☐ Window 3: Vinyl Frame:Double Pane with Low-E, U-factor: 0.260
For windows without labeled U-factors, describe features:
#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

☐ Window 4: Vinyl Frame:Double Pane with Low-E, U-factor: 0.260
For windows without labeled U-factors, describe features:



#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

☐ Window 7: Vinyl Frame:Double Pane with Low-E, U-factor: 0.260
For windows without labeled U-factors, describe features:
#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

☐ Window 8: Metal Frame:Double Pane with Low-E, U-factor: 0.260
For windows without labeled U-factors, describe features:
#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

☐ Window 6: Vinyl Frame:Double Pane with Low-E, U-factor: 0.260
For windows without labeled U-factors, describe features:
#Panes ____ Frame Type _____ Thermal Break? ____ Yes ____ No
Comments: _____

### Doors:

☐ Door 1: Glass, U-factor: 0.260
Comments: _____

☐ Door 3: Solid, U-factor: 0.500
Comments: _____
This door is exempt from the U-factor requirement.

☐ Door 4: Glass, U-factor: 0.260
Comments: _____

### Floors:

☐ Floor 1: All-Wood Joist/Truss:Over Unconditioned Space, R-30.0 cavity insulation
Comments: _____
Floor insulation is installed in permanent contact with the underside of the subfloor decking.

### Air Leakage:

☐ Building envelope air tightness complies by a post rough-in blower door test result of less than 3 ACH at 50 pascals.
☐ Automatic or gravity dampers are installed on all outdoor air intakes and exhausts.
☐ Wood-burning fireplaces shall have tight-fitting flue dampers and outdoor combustion air.

### Air Barrier, Sealing, and Insulation Installation Criteria:

☐ A continuous air barrier is installed in the building envelope including rim joists and exposed edges of insulation. Breaks or joints in the air barrier are sealed. Air permeable insulation is not used as a sealing material.
☐ Junction of foundation and wall sill plates, wall top plate and top of wall, sill plate and rim-band, and rim band and subfloor are sealed. Corners, headers, and rim joists making up the thermal envelope are insulated.
☐ Insulation in floors (including above garage and cantilevered floors) is installed to maintain permanent contact with underside of subfloor decking. Exterior insulation for framed walls is in substantial contact and continuous alignment with the air barrier. Crawl space wall insulation installed in lieu of floor insulation is permanently attached to crawlspace walls. Inspection of log walls is in accordance with the provisions of ICC-400.
☐ Spaces between fenestration jambs and framing and skylights and framing are sealed. Batts in narrow cavities are cut to fit; or narrow cavities are filled with insulation that readily fills the available cavity space.
☐ Exposed earth in unvented crawl spaces is covered with Class I vapor retarder with overlapping joints taped.
☐ Air sealing is installed between the garage and conditioned spaces.
☐ Exterior walls adjacent to showers and tubs are insulated and have air barrier separating the wall from the shower and tubs.
☐ Access openings, drop down stairs or knee wall doors to unconditioned attic spaces are insulated and sealed.
☐ Recessed light fixtures installed in the building thermal envelope are IC rated, airtight labeled at air leakage rate <= 2.0 cfm, and sealed to the drywall with gasket or caulk.
☐ Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space are air sealed.
☐ Plumbing and Wiring: Insulation is placed between the exterior of the wall assembly and pipes. Batt insulation is cut and fitted around wiring and plumbing, or for insulation that on installation readily conforms to available space such insulation shall fill all space between wall and piping/wiring.
☐ Air barrier extends behind electrical or communication boxes or, air sealed type boxes are installed.



☐ HVAC register boots that penetrate building thermal envelope are sealed to subfloor or drywall.
☐ Fireplace walls have air barrier and closure doors are gasketed.

### Sunrooms:

☐ Sunrooms that are NOT thermally isolated from the building envelope meet the requirements applicable to the building envelope.

### Materials Identification and Installation:

☐ Materials and equipment are installed in accordance with the manufacturer's installation instructions.
☐ Materials and equipment are identified so that compliance can be determined.
☐ Manufacturer manuals for all installed heating and cooling equipment and service water heating equipment have been provided.
☐ Insulation R-values and glazing U-factors are clearly marked on the building plans or specifications.

### Duct Insulation:

☐ Supply ducts in attics are insulated to a minimum of R-8. All other ducts in unconditioned spaces or outside the building envelope are insulated to at least R-6.

### Duct Construction and Testing:

☐ Building framing cavities are not used as ducts or plenums.
☐ All joints and seams of air ducts, air handlers, and filter boxes are substantially airtight by means of tapes, mastics, liquid sealants, gasketing or other approved closure systems. Tapes, mastics, and fasteners are rated UL 181A or UL 181B and are labeled according to the duct construction. Metal duct connections with equipment and/or fittings are mechanically fastened. Crimp joints for round metal ducts have a contact lap of at least 1 1/2 inches and are fastened with a minimum of three equally spaced sheet-metal screws.
*Exceptions:*
Joint and seams covered with air-impermeable spray foam.
Where a partially inaccessible duct connection exists, mechanical fasteners can be equally spaced on the exposed portion of the joint so as to prevent a hinge effect.
Continuously welded and locking-type longitudinal joints and seams on ducts operating at less than 2 in. w.g. (500 Pa).
☐ All ducts and air handlers are located within conditioned space.

### Temperature Controls:

☐ Where the primary heating system is a forced air-furnace, at least one programmable thermostat is installed to control the primary heating system and has set-points initialized at 70 degree F for the heating cycle and 78 degree F for the cooling cycle.
☐ Heat pumps having supplementary electric-resistance heat have controls that prevent supplemental heat operation when the compressor can meet the heating load.

### Heating and Cooling Equipment Sizing:

☐ Equipment is sized in accordance with ACCA Manual S based on building loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies.
☐ For systems serving multiple dwelling units documentation has been submitted demonstrating compliance with 2012 IECC Commercial Building Mechanical and/or Service Water Heating (Sections C403 and C404).

### Circulating Service Hot Water Systems:

☐ Systems include an automatic or accessible manual switch to turn off the circulating pump when the system is not in use.
☐ Pipes are insulated to R-3 when any one of the following apply:
(a) piping serves more than one dwelling unit,
(b) piping between water heater and kitchen or water heater and distribution manifold,
(c) piping outside conditioned space, buried, or located under a floor slab,
(d) supply and return piping in recirculation systems other than demand recirculation systems,
(e) piping is > 3/4 inch nominal diameter,
(f) piping runs >30 feet having 3/8 inch max diameter,
(g) piping runs >20 feet having 1/2 inch max diameter,
(h) piping runs >10 feet having 3/4 inch max diameter,
(i) piping runs >5 feet having max diameter within the run > 3/4 inch.

### Heating and Cooling Piping Insulation:

☐ HVAC piping conveying fluids above 105 degrees F or chilled fluids below 55 degrees F are insulated to R-3.
☐ HVAC piping insulation exposed to outdoor elements is protected from damage and shielded from solar radiation.

### Ventilation:



☐ Ventilation fans satisfy the following efficacy criteria:
(1) Range hoods and in-line fan: 2.8 cfm/watt.
(2) Bath-/utility room with rated cfm >= 10 > and <90: 1.4 cfm/watt.
(3) Bath-/utility room with rated minimum cfm >= 90: 2.8 cfm/watt.

### Swimming Pools and In-ground Spas:

☐ Heaters have an readily accessible on-off switch.
☐ Heaters operating on natural gas or LPG have an electronic pilot light.
☐ Schedule-capable automatic on-off timer switches are installed on heaters and pumps.
*Exceptions:*
Where public health standards require continuous pump operation.
Where pumps operate within solar- and/or waste-heat-recovery systems.
☐ Heated pools and spas have a vapor retardant cover.
*Exceptions:*
Covers are not required when 70% of the heating energy is from site-recovered energy or solar energy source.

### Lighting Requirements:

☐ Within permanently installed fixtures, 75 percent contain only lamps that can be categorized as one of the following. Or, a minimum of 75 percent of all lamps within permanent fixtures can be categorized as one of the following:
(a) Compact fluorescent
(b) T-8 or smaller diameter linear fluorescent
(c) 40 lumens per watt for lamp wattage <= 15
(d) 50 lumens per watt for lamp wattage > 15 and <= 40
(e) 60 lumens per watt for lamp wattage > 40
*Exceptions:*
Low voltage lighting systems.
☐ Fuel gas lighting systems have electronic pilot lights.

### Other Requirements:

☐ Snow- and ice-melting systems with energy supplied from the service to a building shall include automatic controls capable of shutting off the system when a) the pavement temperature is above 50 degrees F, b) no precipitation is falling, and c) the outdoor temperature is above 40 degrees F (a manual shutoff control is also permitted to satisfy requirement 'c').

### Certificate:

☐ A permanent certificate is provided on or in the electrical distribution panel listing the predominant insulation R-values; window U-factors; type and efficiency of space-conditioning and water heating equipment; and results from any required duct system and building envelope air leakage testing. The certificate#does not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels.

**NOTES TO FIELD:** (Building Department Use Only)



# 2012 IECC Energy Efficiency Certificate

| Insulation Rating | R-Value |
|---|---|
| Ceiling / Roof | 50.00 |
| Wall | 21.00 |
| Floor / Foundation | 30.00 |
| Ductwork (unconditioned spaces): | _____ |

| Glass & Door Rating | U-Factor | SHGC |
|---|---|---|
| Window | 0.26 | |
| Door | 0.26 | NA |

| Heating & Cooling Equipment | Efficiency |
|---|---|
| Heating System:_____ | _____ |
| Cooling System:_____ | _____ |
| Water Heater:_____ | _____ |

| Building Air Leakage and Duct Test Results | |
|---|---|
| Building Air Leakage Test Results | _____ |
| Name of Air Leakage Tester | _____ |
| Duct Tightness Test Results | _____ |
| Name of Duct Tester | _____ |

Name: _____ Date: _____
Comments:

PROJECT NO.
13-001

3 BDRM 3 BATH CABIN - SPRING MOUNTAIN RANCH
LOT #5 PHASE 4 - PINETOP CUSTOM HOMES MCCALL,ID

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.

SCALE: NO SCALE

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DRAWN BY: Steve Curtis

ENERGY SURVEY

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