1. DESIGN CRITERIA:

A. DESIGNED USING INTERNATIONAL BUILDING CODE, 2018 EDITION
B. ROOF LIVE LOAD/SNOW LOAD = 150 PSF
C. ROOF DEAD LOAD = 17 PSF
D. FLOOR LIVE LOAD = 40 PSF
E. FLOOR DEAD LOAD = 12 PSF
F. WIND SPEED = 115 MPH
G. EXPOSURE TYPE = 'B'
H. SEISMIC PARAMETERS, Ss = 51 %
S1 = 15 %
I. MINIMUM FROST DEPTH = 24 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 FOUR 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 60. BARS TO BE WELDED SHALL BE ASTM A706, GRADE 60.

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/ 18" 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 AS 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 = 2900 PSI, Fv = 285 PSI, E = 2,000,000 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.

2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

THE PROPOSED BUILDING HAS BEEN DESIGNED TO MEET OR EXCEED THE REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE

TABLE R402.1.1 (R402.1.2)

INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT

CLIMATE ZONE	WINDOW U-FACTOR	CEILING R-VALUE	WOOD WALL R-VALUE	FLOOR R-VALUE	SLAB R-VALUE	CRAWL SPACE WALL R-VALUE
6	.30	49	20 OR 13+5	30	10, 4FT	15/19

MAIN LEVEL	4077	sq. ft.
UPPER LEVEL	1354	sq. ft.
TOTAL LIVING SPACE	5431	sq. ft.
UNFINISHED/MECH.	34	sq. ft.
GARAGE	2160	sq. ft.
COV'D PORCH/DECK	1889	sq. ft.

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR RENDERINGS

ENGINEER STAMP AREA

PROJECT NO. 25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

SHEET SIZE: 36" x 48"

INITIAL DATE: 1/6/2025
PRINT DATE: 10/30/2025

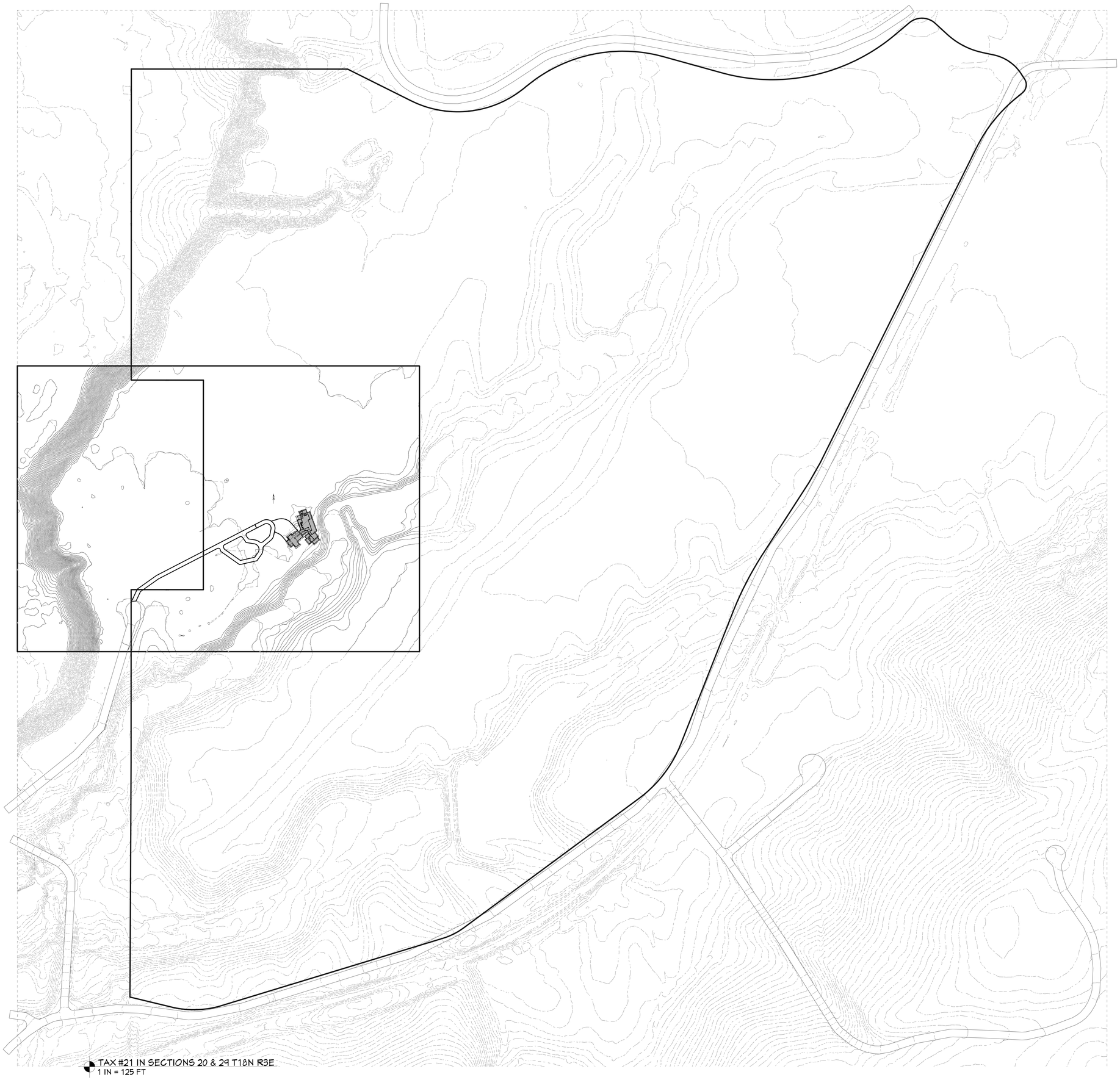
DRAWN BY: Steve

COVER SHEET

SMC Design
208.249.7268
Nampa, ID

SHEET NUMBER
A1
PAGE 1 OF 24

SCAN FOR CURRENT PLAN



TAX #21 IN SECTIONS 20 & 29 T18N R3E
1 IN = 125 FT

SHEET INDEX	
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

DRAWN BY: Steve
INITIAL DATE: 11/6/2025
PRINT DATE: 10/30/2025
SHEET SIZE: 36" × 48"

SITE PLAN

SMC Design
208.249.7268
Nampa, ID

SHEET NUMBER
A2
PAGE 2 OF 24

SCAN FOR CURRENT PLAN

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 24 T18N R3E VALLEY CO.,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.

SITE PLAN - ENLARGED

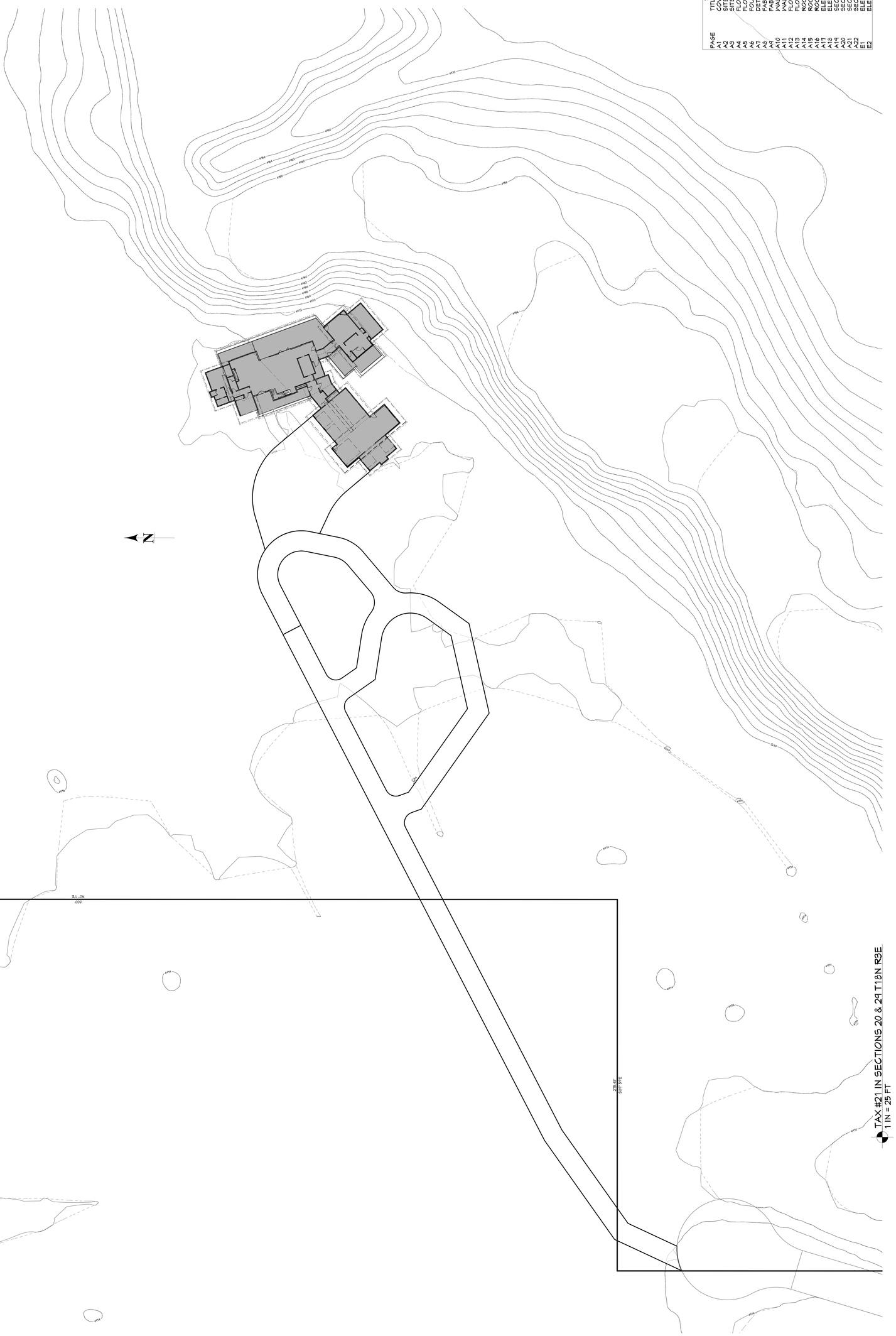
DRAWN BY: Steve
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025
SHEET SIZE 36" × 48"

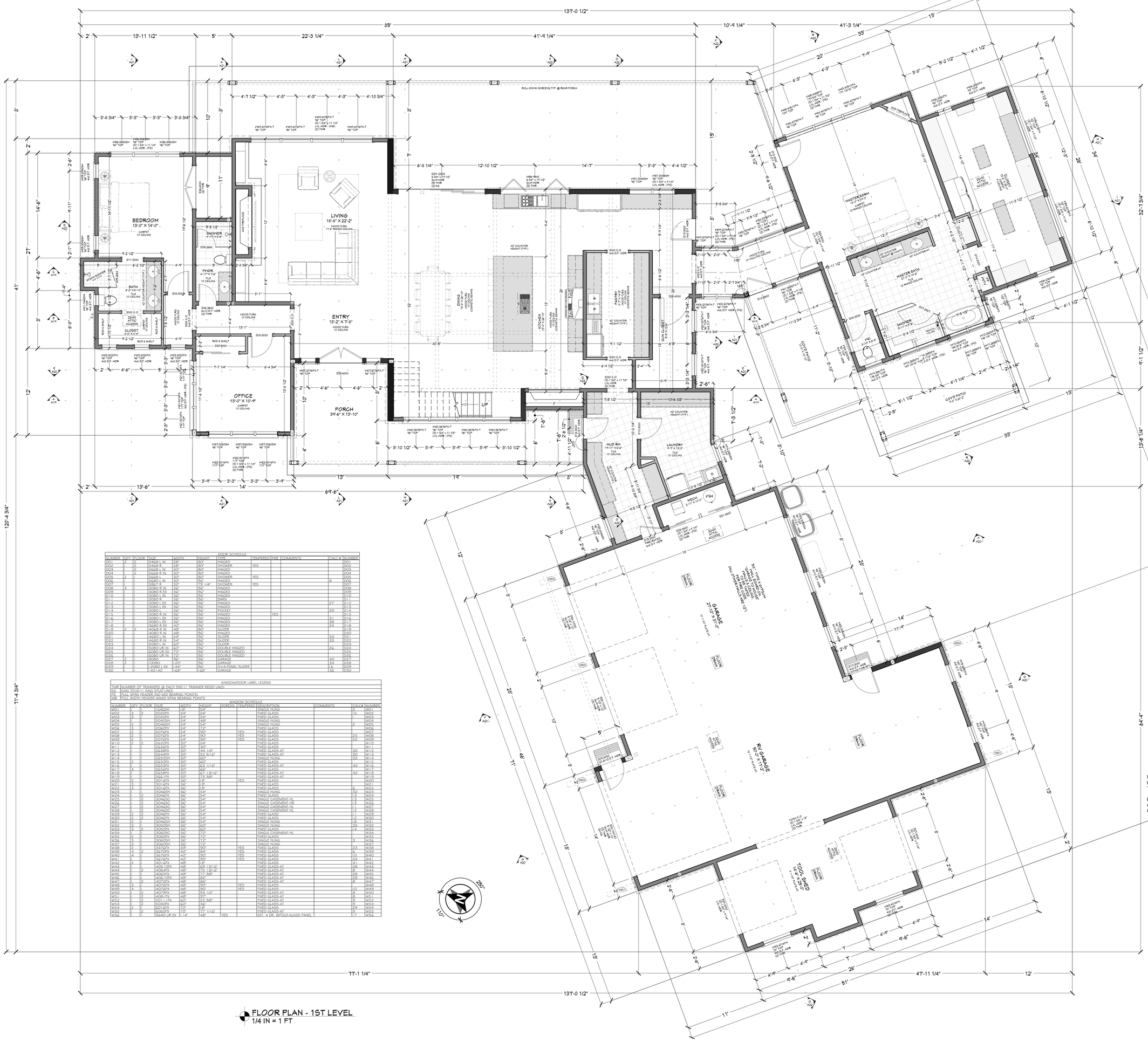
SMC Design
SMC Design
208 244.7288
Nampa, ID

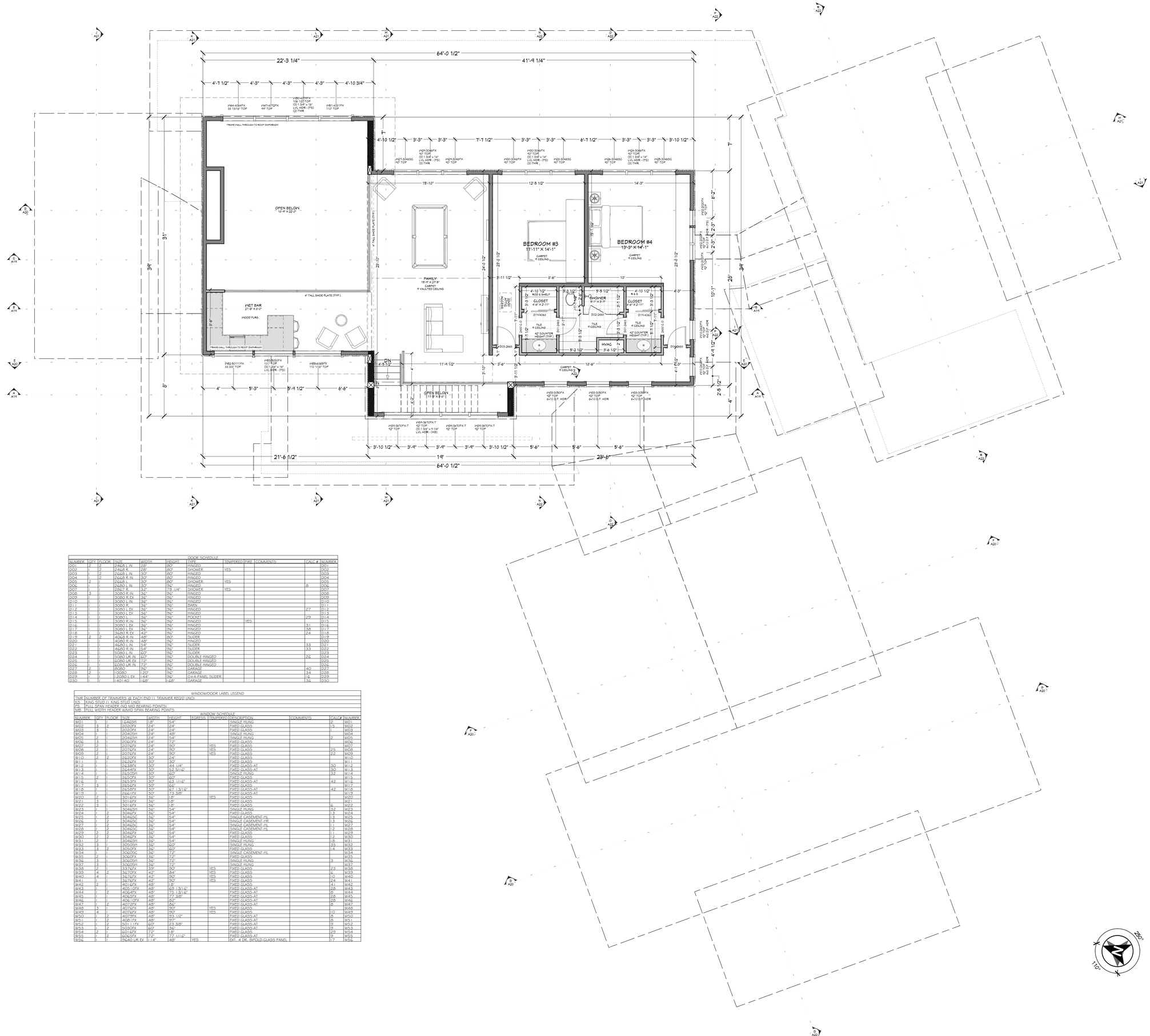
SHEET NUMBER
A3
PAGE 3 OF 24

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL




BEDROOM
13'-0" X 14'-0"
CARPET
10' CEILING
LINEN
2'-0" X 4'-0"
BATH
8'-2" X 6'-10"
TILE
10' CEILING
42" COUNTER HEIGHT (TYP.)
CLOSET
5'-0" X 4'-4"
CARPET
10' CEILING
ROD & SHELF
SHOWER
4'-1"X 3'-8"
TILE
10' CEILING
LINEN
4'-1"X 1'-6"
TILE
10' CEILING
LIVING
18'-8" X 22'-2"
17'-6" RAKED CEILING
GAS FIREPLACE
ENTRY
13'-2" X 7'-8"
WOOD FLRG.
10' CEILING
OFFICE
13'-0" X 10'-4"
CARPET
10' CEILING
PORCH
9'-6" X 13'-10"
UP
KITCHEN
13'-7" X 20'-10"
WOOD FLRG.
CORBELS
PANTRY
5'-5" X 6'-5"
WOOD FLRG.
10' VAULTED CEILING
42" COUNTER HEIGHT (TYP.)
DINING
15'-3" X 20'-0"
WOOD FLRG.
10' VAULTED CEILING
CEILING BEAMS
MUD RM
14'-11" X 8'-8"
TILE
10' CEILING
LAUNDRY
6'-7" X 13'-3"
TILE
10' CEILING
MECH.
2'-11" X 10'-0"
HW
GARAGE
21'-10" X 31'-0"
10' CLR. IN GARAGE
RV GARAGE
30'-0" X 31'-0"
14' CLR. IN GARAGE
TOOL SHED
14'-0" X 29'-0"
9' CLR. IN SHED
MASTER BDRM
12'-0" X 19'-0"
CARPET
12' RAISED CEILING
MASTER BATH
12'-0" X 14'-8"
12' RAISED CEILING
42" COUNTER HEIGHT
42" COUNTER HT
SHOWER
5'-11" X 5'-5"
TILE
WC
3'-10" X 8'-9"
TILE
LINEN
2'-0" X 4'-0"
LINEN
2'-0" X 4'-0"
CLOSET
4'-0" X 4'-0"
CARPET
12' RAISED CEILING
COVD PATIO
6'-0" X 20'-0"
COVD PATIO
6'-0" X 20'-0"
ROLL-DOWN SCREENS TYP. @ REAR PORCH
FLOOR DRAIN
SLOPE TO DRAIN
SLOPE TO DRAIN
SLOPE TO



DOOR SCHEDULE											
NUMBER	QTY	FLOOR	SIZE	WIDTH	HEIGHT	TYPE	TEMPERED	FIRE	COMMENTS	CALC #	NUMBER
D01	2	2	2468 L IN	2'6"	6'0"	HINGED					D01
D02	2	2	2468 R	2'6"	6'0"	SHOWER	YES				D02
D03	1	2	2668 L IN	3'0"	6'0"	HINGED					D03
D04	1	2	2668 R IN	3'0"	6'0"	HINGED					D04
D05	2	1	2868 L	3'0"	6'0"	SHOWER	YES				D05
D06	1	1	2680 L IN	3'0"	9'0"	HINGED				5	D06
D07	1	1	2867 R	3'2"	7'9 1/4"	SHOWER	YES				D07
D08	3	1	3060 R IN	3'6"	9'0"	HINGED					D08
D09	1	1	3060 R EX	3'6"	9'0"	HINGED					D09
D10	1	1	3060 L IN	3'6"	9'0"	HINGED					D10
D11	1	1	3060 R	3'6"	9'0"	BARN					D11
D12	1	1	3060 L EX	3'6"	9'0"	HINGED				27	D12
D13	1	1	3060 L EX	3'6"	9'0"	HINGED					D13
D14	1	1	3060 L	3'6"	9'0"	POCKET				29	D14
D15	1	1	3060 R IN	3'6"	9'0"	HINGED		YES			D15
D16	1	1	3060 L EX	3'6"	9'0"	HINGED				31	D16
D17	1	1	3060 L EX	3'6"	9'0"	HINGED				35	D17
D18	1	1	3680 R EX	4'2"	9'0"	HINGED				24	D18
D19	2	2	4068 R IN	4'8"	6'0"	SLIDER					D19
D20	1	1	4080 R IN	4'8"	9'0"	HINGED					D20
D21	1	1	4680 L IN	5'4"	9'0"	SLIDER				33	D21
D22	1	1	4680 R IN	5'4"	9'0"	SLIDER				33	D22
D23	1	1	5080 L IN	6'0"	9'0"	SLIDER					D23
D24	1	1	5060 LR IN	6'0"	9'0"	DOUBLE HINGED				26	D24
D25	1	1	6060 LR EX	7'2"	9'0"	DOUBLE HINGED					D25
D26	1	1	6060 LR IN	7'2"	9'0"	DOUBLE HINGED					D26
D27	2	1	8060	9'6"	9'0"	GARAGE				40	D27
D28	2	1	10080	12'0"	9'0"	GARAGE				34	D28
D29	1	1	2080 L EX	4'4"	9'0"	3+4 PANEL SLIDER				16	D29
D30	1	1	140140	11'8"	11'8"	GARAGE				36	D30

WINDOW/DOOR LABEL LEGEND

TMR NUMBER OF TRIMMERS @ EACH END (1 TRIMMER REQD UNO)
KS KING STUD (1 KING STUD UNO)
PS FULL SPAN HEADER (NO MID BEARING POINTS)
MB FULL WIDTH HEADER W/MID SPAN BEARING POINTS

WINDOW SCHEDULE										
NUMBER	QTY	FLOOR	SIZE	WIDTH	HEIGHT	EGRESS	TEMPERED	DESCRIPTION	COMMENTS	CALC#	NUMBER
W01	1	1	1646RH	1'6"	5'4"			SINGLE HUNG		2	W01
W02	3	2	2020FX	2'4"	2'4"			FIXED GLASS		15	W02
W03	3	1	2020FX	2'4"	2'4"			FIXED GLASS		1	W03
W04	1	1	2048RH	2'4"	4'0"			SINGLE HUNG			W04
W05	2	1	2048RH	2'4"	5'4"			SINGLE HUNG		2	W05
W06	3	1	2060FX	2'4"	7'2"			FIXED GLASS			W06
W07	2	1	2076FX	2'4"	9'0"		YES	FIXED GLASS			W07
W08	2	1	2076FX	2'4"	9'0"		YES	FIXED GLASS		25	W08
W09	2	1	2076FX	2'4"	9'0"		YES	FIXED GLASS		22	W09
W10	2	2	2620FX	3'0"	2'4"			FIXED GLASS			W10
W11	1	1	2626FX	3'0"	3'0"			FIXED GLASS			W11
W12	1	1	2636FX	3'0"	4'4 1/4"			FIXED GLASS-AT		30	W12
W13	1	1	2644FX	3'0"	5'2 5/16"			FIXED GLASS-AT		32	W13
W14	1	1	2650RH	3'0"	6'0"			SINGLE HUNG		32	W14
W15	2	1	2650FX	3'0"	6'0"			FIXED GLASS			W15
W16	1	1	2653FX	3'0"	6'3 1/16"			FIXED GLASS-AT		42	W16
W17	3	1	2656FX	3'0"	6'6"			FIXED GLASS			W17
W18	1	1	2656FX	3'0"	6'7 13/16"			FIXED GLASS-AT		42	W18
W19	1	1	2661FX	3'0"	7'3 3/8"			FIXED GLASS-AT			W19
W20	2	1	3016FX	3'6"	1'6"		YES	FIXED GLASS			W20
W21	3	1	3016FX	3'6"	1'6"			FIXED GLASS			W21
W22	3	1	3016FX	3'6"	1'6"			FIXED GLASS		6	W22
W23	1	1	3046RH	3'6"	5'4"			SINGLE HUNG		32	W23
W24	1	2	3046FX	3'6"	5'4"			FIXED GLASS		13	W24
W25	1	2	3046SC	3'6"	5'4"			SINGLE CASEMENT-HL		13	W25
W26	1	2	3046SC	3'6"	5'4"			SINGLE CASEMENT-HR		13	W26
W27	1	2	3046SC	3'6"	5'4"			SINGLE CASEMENT-HL		11	W27
W28	1	2	3046SC	3'6"	5'4"			SINGLE CASEMENT-HL		12	W28
W29	2	2	3046TX	3'6"	5'4"			FIXED GLASS		11	W29
W30	2	2	3046TX	3'6"	5'4"			FIXED GLASS		12	W30
W31	2	1	3046RH	3'6"	5'4"			SINGLE HUNG		16	W31
W32	3	1	3050RH	3'6"	6'0"			SINGLE HUNG		35	W32
W33	3	2	3050FX	3'6"	6'0"			FIXED GLASS		14	W33
W34	1	1	3060SC	3'6"	7'2"			SINGLE CASEMENT-HL			W34
W35	2	1	3060FX	3'6"	7'2"			FIXED GLASS		3	W35
W36	3	1	3060RH	3'6"	7'2"			SINGLE HUNG		7	W36
W37	3	1	3060RH	3'6"	7'2"			SINGLE HUNG			W37
W38	2	1	3376FX	3'9"	6'7"		YES	FIXED GLASS		23	W38
W39	4	2	3670FX	4'2"	6'4"		YES	FIXED GLASS		6	W39
W40	4	1	3676FX	4'2"	9'0"		YES	FIXED GLASS		10	W40
W41	1	1	3676FX	4'2"	9'0"		YES	FIXED GLASS		24	W41
W42	4	1	4016FX	4'8"	1'6"			FIXED GLASS		41	W42
W43	1	1	4051OPX	4'8"	6'5 13/16"			FIXED GLASS-AT		28	W43
W44	1	2	4061FX	4'8"	7'5 13/16"			FIXED GLASS-AT		6	W44
W45	1	1	4065FX	4'8"	7'7 3/8"			FIXED GLASS-AT		22	W45
W46	1	1	4061OPX	4'8"	8'0"			FIXED GLASS-AT		26	W46
W47	1	2	4077FX	4'8"	8'6"			FIXED GLASS-AT		6	W47
W48	3	1	4076FX	4'8"	9'0"		YES	FIXED GLASS			W48
W49	4	1	4076FX	4'8"	9'0"		YES	FIXED GLASS		10	W49
W50	1	2	4091FX	4'8"	9'3 1/2"			FIXED GLASS-AT		40	W50
W51	1	2	4091FX	4'8"	9'3"			FIXED GLASS-AT		40	W51
W52	1	2	5011FX	6'0"	2'3 3/8"			FIXED GLASS-AT		0	W52
W53	1	2	5076FX	6'0"	9'0"			FIXED GLASS-AT		19	W53
W54	2	1	6016FX	7'2"	1'6"			FIXED GLASS		29	W54
W55	1	1	6065FX	7'2"	7'7 1/16"			FIXED GLASS-AT		19	W55
W56	1	1	9640 LR EX	11'4"	4'0"		YES	EXT. 4 DR. BIFOLD-GLASS PANEL		17	W56

FLOOR PLAN - 2ND LEVEL
1/4 IN = 1 FT

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

MAIN LEVEL	4077	sq. ft.
UPPER LEVEL	1354	sq. ft.
TOTAL LIVING SPACE	5431	sq. ft.
UNFINISHED/MECH.	34	sq. ft.
GARAGE	2160	sq. ft.
COV'D PORCH/DECK	1889	sq. ft.

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR RENDERINGS

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., ID

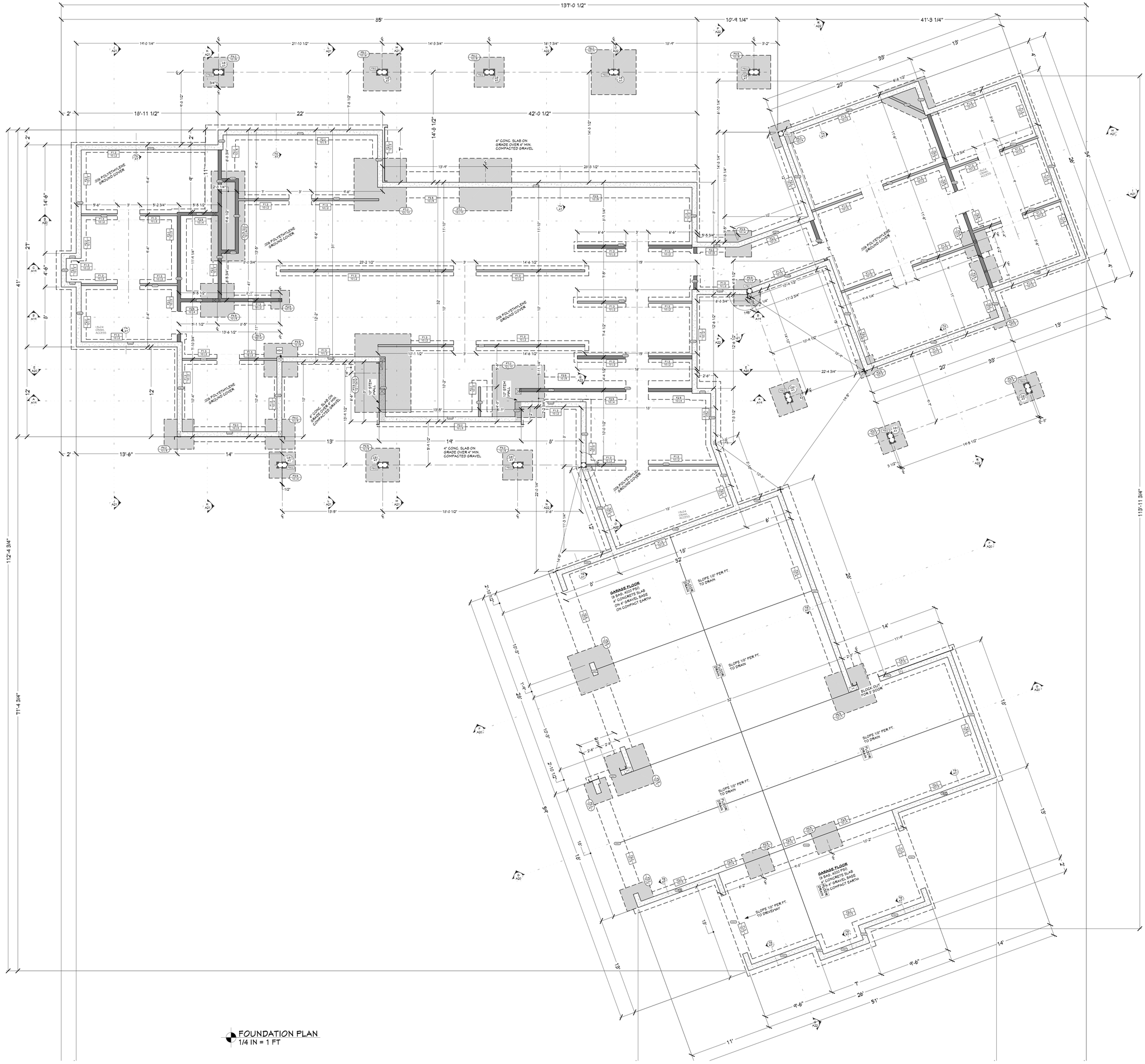
CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.

DRAWN BY: Steve
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025
SHEET SIZE 36" x 48"

FLOOR PLAN - 2ND LEVEL

SMC Design
208.249.7288
Nampa, ID

SHEET NUMBER
A5
PAGE 5 OF 24



FOUNDATION PLAN
1/4 IN = 1 FT

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

ANCHOR BOLT KEY NOTES

CALLOUT	
1	

HOLD-DOWN SCHEDULE

CALLOUT	STRAP TYPE	FASTENERS	BOF STUDS
HSA	HDU5-SDS2.5 HV 5/8 SSMH OR PAB5 @ INT. POINT WALLS	(14) 1/4" X 2-1/2" SDS	2

PAD FOOTING SCHEDULE

CALLOUT	FOOTING SIZE	REINFORCEMENT	QTY
FP1 / 10'1.5	30" X 30" X 10"	(3) #4 REBAR E.W.	3
FP2 / 10'1.5	36" X 36" X 10"	(4) #4 REBAR E.W.	3
FP3 / 10'1.5	42" X 42" X 10"	(4) #4 REBAR E.W.	9
FP4 / 10'1.5	48" X 48" X 10"	(5) #4 REBAR E.W.	5
FP5 / 10'1.5	54" X 54" X 10"	(5) #4 REBAR E.W.	4
FP6 / 10'1.5	60" X 60" X 10"	(6) #4 REBAR E.W.	1
FP7 / 10'1.5	66" X 66" X 10"	(7) #4 REBAR E.W.	3
FP8 / 10'1.5	72" X 72" X 10"	(7) #4 REBAR E.W.	1
FP9 / 10'1.5	78" X 78" X 12"	(5) #4 REBAR E.W.	1
FP10 / 10'1.5	84" X 84" X 12"	(10) #4 REBAR E.W.	3
FP11 / 10'1.5/24	126" X 90" X 12"	(10X14) #4 REBAR GRID	1
FP12 / 10'1.5/24	144" X 54" X 12"	(4X12) #4 REBAR GRID	1

CONTINUOUS FOOTING SCHEDULE (ALL FOOTINGS 'F' 1'-3" U.N.O.)

CALLOUT	FOOTING SIZE	REINFORCEMENT
FC1 / 10'1.5	16" X 10"	(2) #4 CONT. REBAR
FC2 / 10'1.5	24" X 10"	(3) #4 CONT. REBAR
FC3 / 10'1.4	30" X 10"	(4) #4 CONT. REBAR
FC3 / 10'1.4	36" X 10"	(4) #4 CONT. REBAR
FC4 / 10'1.5	42" X 10"	(5) #4 CONT. REBAR
FC5 / 10'1.5	48" X 10"	(5) #4 CONT. REBAR

POST BASE SCHEDULE

NUMBER	LABEL	QTY
PB01	BASE PLATE - 6X6	3
PB02	BASE PLATE - 6X16	11

WALL SCHEDULE

NUMBER	WALL TYPE(S)
WA01	8" CONCRETE STEM WALL
WA02	6" CONCRETE STEM WALL
WA03	10" CONCRETE STEM WALL
WA04	FRAME-3 1/2
WA05	FRAME-5 1/2
WA06	GRADE BEAM
WA01	SIDING-8 - CRAWL/8" CONCRETE STEM WALL

FOUNDATION NOTES:

ALL ANGLE 45° UNO
8" THICK WALLS CONCRETE FOUNDATION WALLS
ALL INTERIOR DIMENSIONS ARE TO CENTER OF FOOTING

FOUNDATION CONCRETE (EST.)

FOOTING	87 Cu Yd
STEM WALLS	45 Cu Yd
CONCRETE SLAB	48 Cu Yd
TOTAL CONCRETE	180 Cu Yd

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

ENGINEER STAMP AREA

PROJECT NO. 25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., ID

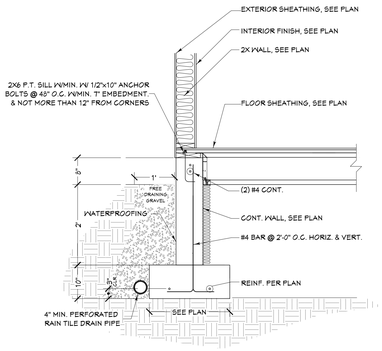
CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.

SHEET SIZE: 36" x 48"
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025
DRAWN BY: Steve

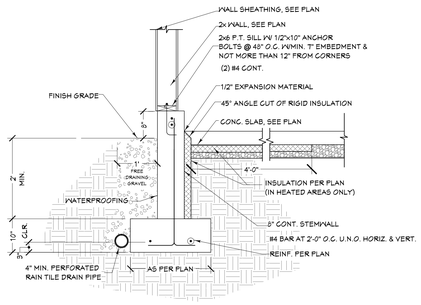
FOUNDATION

SMC Design
208.244.7288
Nampa, ID

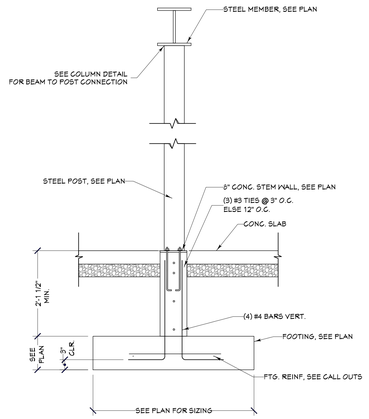
SHEET NUMBER
A6
PAGE 6 OF 24



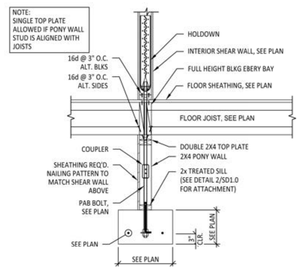
FA FOUNDATION @ CRAWL SPACE DETAIL
3/4 IN = 1 FT



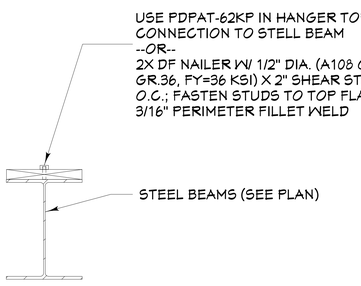
FB FOUNDATION @ GARAGE DETAIL
3/4 IN = 1 FT



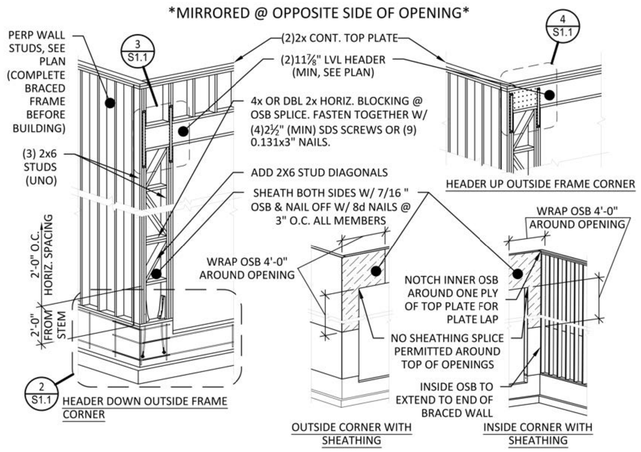
CB COLUMN BASEPLATE DETAIL
3/4 IN = 1 FT



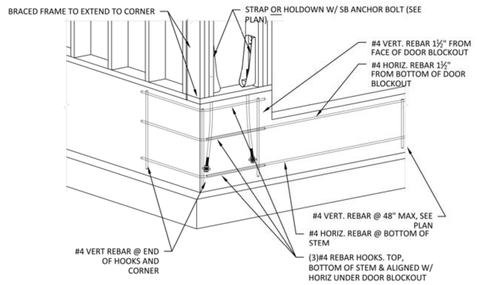
UPPER HOLD-DOWN DETAIL
3/4 " = 1'-0"



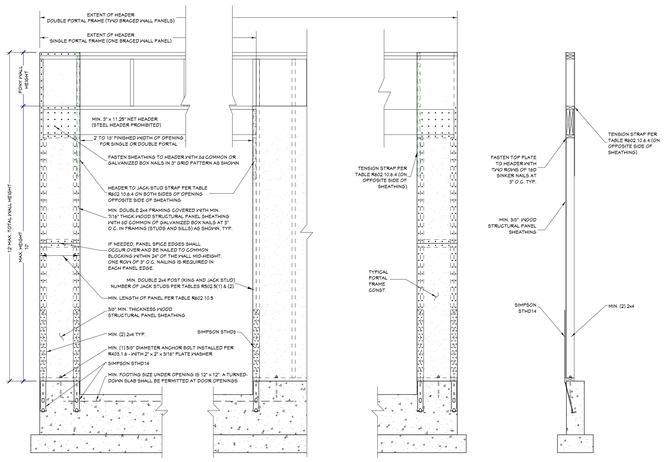
NAILER BOARD ON STEEL BEAM
1 1/2 IN = 1 FT



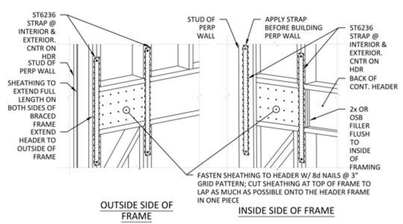
BRACED FRAME - S1 DETAIL
NTS



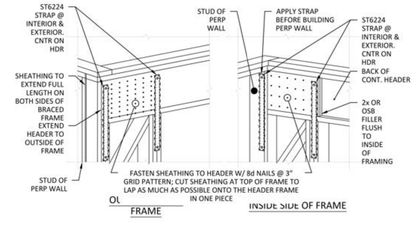
BRACED FRAME - S2 DETAIL
NTS



PORTAL FRAME DETAIL
1/2 IN = 1 FT



BRACED FRAME - S3 DETAIL
NTS



BRACED FRAME - S4 DETAIL
NTS

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., ID
DRY

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.

DRAWN BY: Steve
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025
SHEET SIZE 36" x 48"

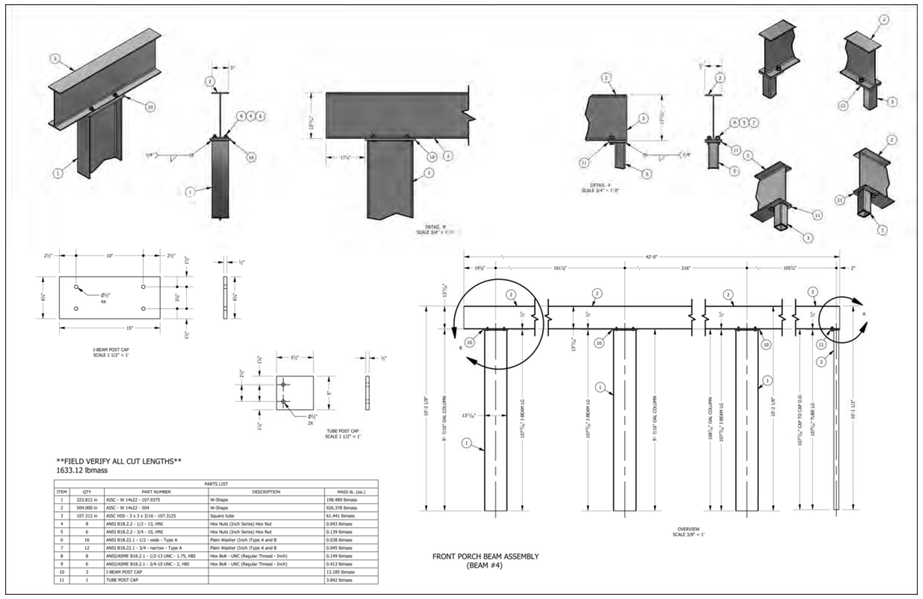
DETAIL VIEWS

SMC Design
208.249.7286
Nampa, ID

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SHEET NUMBER
A7
PAGE 7 OF 24

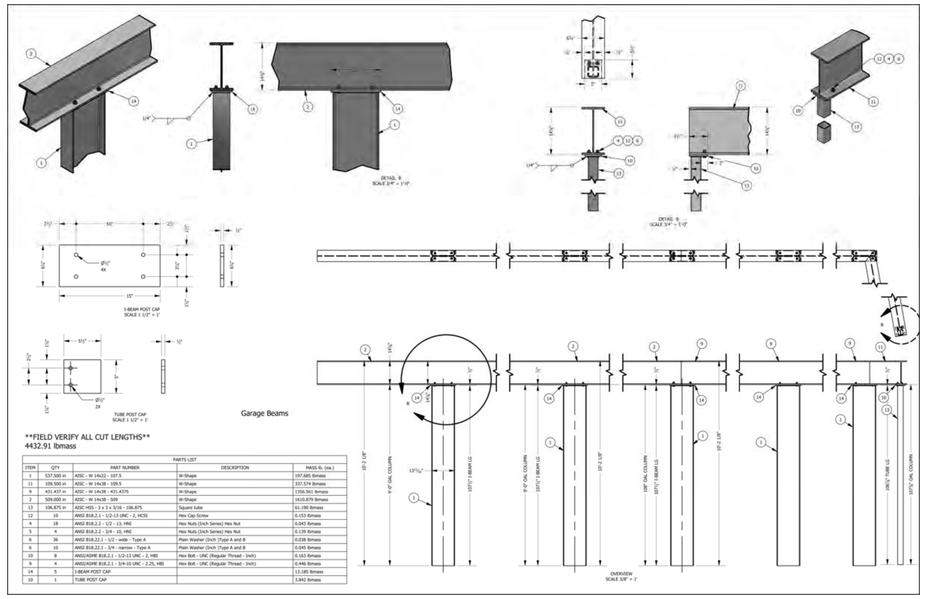


FIELD VERIFY ALL CUT LENGTHS
1633.12 lbmass

PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS lb. (ea.)
1	323.812 in	AISC - W 14x22 - 107.5175	W-Shape	198.489 lbmass
2	504.000 in	AISC - W 14x22 - 504	W-Shape	926.378 lbmass
3	107.312 in	AISC HSS - 3 x 3 x 3/16 - 107.3125	Square tube	61.441 lbmass
4	8	ANSI B18.2.2 - 1/2 - 13, HNI	Hex Nuts (Inch Series) Hex Nut	0.043 lbmass
5	6	ANSI B18.2.2 - 3/4 - 10, HNI	Hex Nuts (Inch Series) Hex Nut	0.139 lbmass
6	16	ANSI B18.22.1 - 1/2 - wide - Type A	Plain Washer (Inch [Type A and B	0.038 lbmass
7	12	ANSI B18.22.1 - 3/4 - narrow - Type A	Plain Washer (Inch [Type A and B	0.045 lbmass
8	8	ANSI/ASME B18.2.1 - 1/2-13 UNC - 3.75, HBI	Hex Bolt - UNC (Regular Thread - Inch)	0.149 lbmass
9	6	ANSI/ASME B18.2.1 - 3/4-10 UNC - 2, HBI	Hex Bolt - UNC (Regular Thread - Inch)	0.413 lbmass
10	3	I-BEAM POST CAP		13.185 lbmass
11	1	TUBE POST CAP		3.842 lbmass

BEAM #4 DETAIL
1 IN = 1 IN

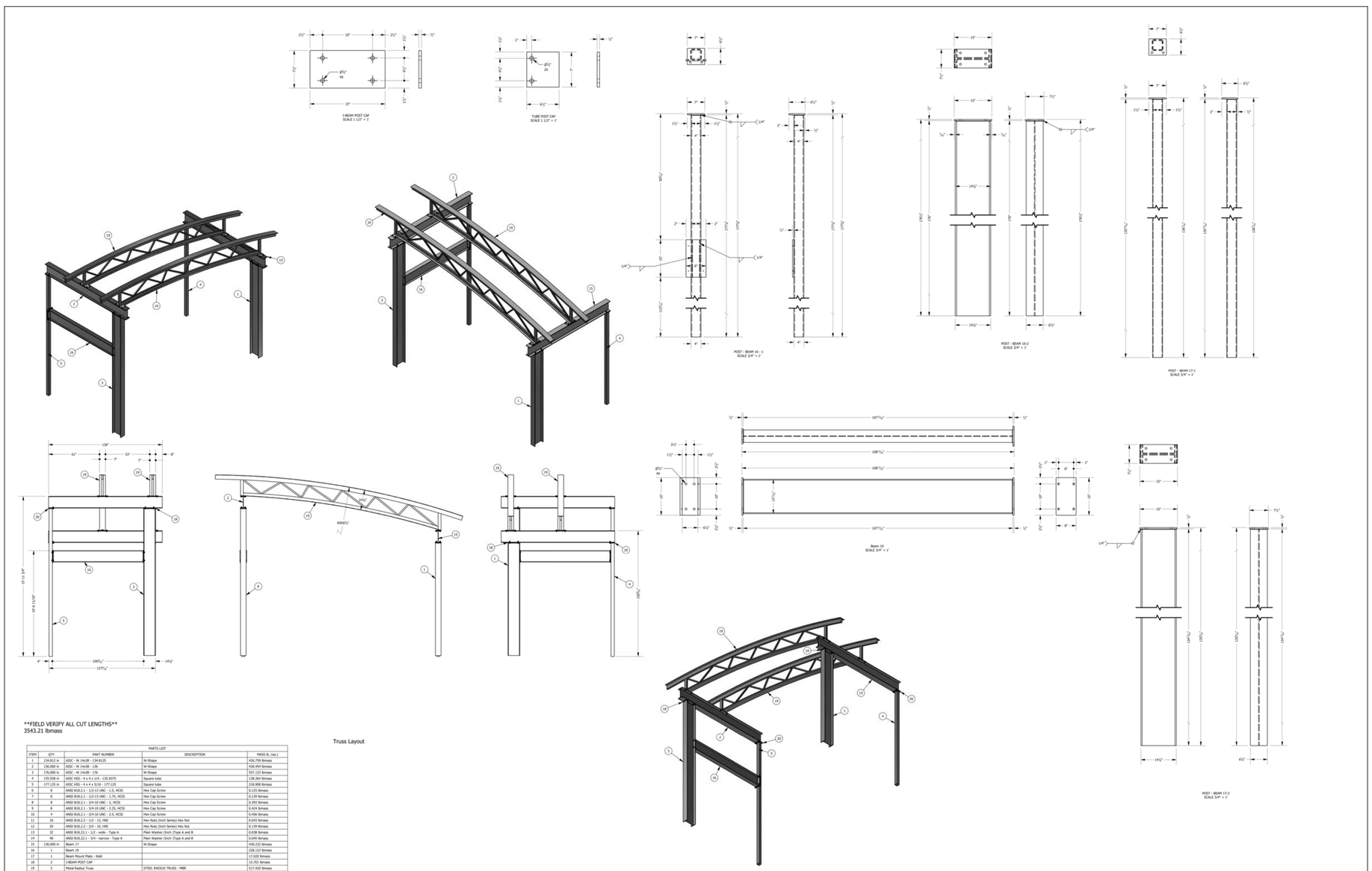
FRONT PORCH BEAM ASSEMBLY
(BEAM #4)



FIELD VERIFY ALL CUT LENGTHS
4432.91 lbmass

PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS lb. (ea.)
1	537.500 in	AISC - W 14x22 - 107.5	W-Shape	197.685 lbmass
11	199.500 in	AISC - W 14x38 - 199.5	W-Shape	337.574 lbmass
9	431.437 in	AISC - W 14x38 - 431.4375	W-Shape	1356.561 lbmass
2	509.000 in	AISC - W 14x38 - 509	W-Shape	1610.879 lbmass
13	106.875 in	AISC HSS - 3 x 3 x 3/16 - 106.875	Square tube	61.190 lbmass
12	10	ANSI B18.2.1 - 1/2-13 UNC - 2, HCSI	Hex Cap Screw	0.153 lbmass
4	18	ANSI B18.2.2 - 1/2 - 13, HNI	Hex Nuts (Inch Series) Hex Nut	0.043 lbmass
5	4	ANSI B18.2.2 - 3/4 - 10, HNI	Hex Nuts (Inch Series) Hex Nut	0.139 lbmass
6	36	ANSI B18.22.1 - 1/2 - wide - Type A	Plain Washer (Inch [Type A and B	0.038 lbmass
6	10	ANSI B18.22.1 - 3/4 - narrow - Type A	Plain Washer (Inch [Type A and B	0.045 lbmass
10	8	ANSI/ASME B18.2.1 - 1/2-13 UNC - 3, HBI	Hex Bolt - UNC (Regular Thread - Inch)	0.163 lbmass
9	4	ANSI/ASME B18.2.1 - 3/4-10 UNC - 2.25, HBI	Hex Bolt - UNC (Regular Thread - Inch)	0.446 lbmass
14	5	I-BEAM POST CAP		13.185 lbmass
10	1	TUBE POST CAP		3.842 lbmass

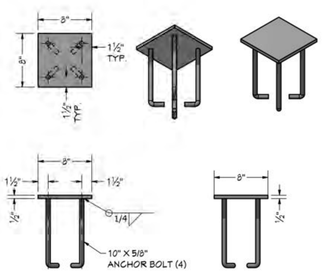
BEAM #1 & #7 DETAIL
1 IN = 1 IN



FIELD VERIFY ALL CUT LENGTHS
3543.21 lbmass

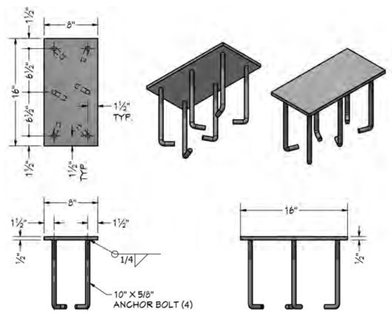
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS lb. (ea.)
1	134.812 in	AISC - W 14x38 - 134.8125	W-Shape	426.759 lbmass
2	136.000 in	AISC - W 14x38 - 136	W-Shape	430.454 lbmass
3	176.000 in	AISC - W 14x38 - 176	W-Shape	557.123 lbmass
4	135.938 in	AISC HSS - 4 x 4 x 1/4 - 135.9375	Square tube	138.364 lbmass
5	177.125 in	AISC HSS - 4 x 4 x 5/16 - 177.125	Square tube	218.908 lbmass
6	8	ANSI B18.2.1 - 1/2-13 UNC - 1.5, HCSI	Hex Cap Screw	0.125 lbmass
7	8	ANSI B18.2.1 - 1/2-13 UNC - 3.75, HCSI	Hex Cap Screw	0.139 lbmass
8	8	ANSI B18.2.1 - 3/4-10 UNC - 2, HCSI	Hex Cap Screw	0.393 lbmass
9	8	ANSI B18.2.1 - 3/4-10 UNC - 2.25, HCSI	Hex Cap Screw	0.424 lbmass
10	4	ANSI B18.2.1 - 3/4-10 UNC - 2.5, HCSI	Hex Cap Screw	0.456 lbmass
11	16	ANSI B18.2.2 - 1/2 - 13, HNI	Hex Nuts (Inch Series) Hex Nut	0.043 lbmass
12	20	ANSI B18.2.2 - 3/4 - 10, HNI	Hex Nuts (Inch Series) Hex Nut	0.139 lbmass
13	32	ANSI B18.22.1 - 1/2 - wide - Type A	Plain Washer (Inch [Type A and B	0.038 lbmass
14	40	ANSI B18.22.1 - 3/4 - narrow - Type A	Plain Washer (Inch [Type A and B	0.045 lbmass
15	136.000 in	Beam 17	W-Shape	430.232 lbmass
16	1	Beam 19		228.122 lbmass
17	1	Beam Mount Plate - Wall		17.020 lbmass
18	2	I-BEAM POST CAP		15.791 lbmass
19	2	Metal Radius Truss	STEEL RADIUS TRUSS - HWR	517.420 lbmass
20	2	TUBE POST CAP		6.324 lbmass

BEAM #16, 17 & 19 DETAIL
1 IN = 1 IN



BASE PLATE - 8x8

BASE PLATE 8X8
1 1/2 IN = 1 FT



BASE PLATE - 8x16

BASE PLATE 8X16
1 1/2 IN = 1 FT

POST BASE SCHEDULE		
NUMBER	LABEL	QTY
PB01	BASE PLATE - 8X8	3
PB02	BASE PLATE - 8X16	11

POST SCHEDULE			
NO	QTY	FLR	NOTES
P01	1	1	COLUMN BM 1 & 7
P02	1	1	COLUMN BM 4-4
P03	3	1	COLUMN BM 4-1-3
P04	1	1	COLUMN BM 8-2
P05	1	1	COLUMN BM 16-1
P06	1	1	COLUMN BM 16-2
P07	1	1	COLUMN BM 17-1
P08	1	1	COLUMN BM 17-2
P09	1	1	COLUMN BM 19-1
P10	1	1	COLUMN BM 19-2

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

SHEET SIZE: 36" x 48"

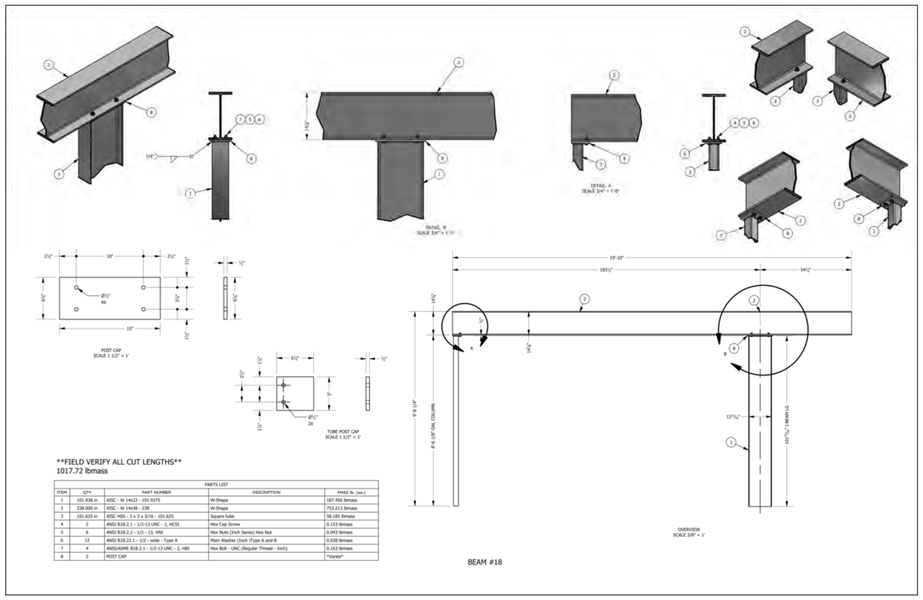
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025

DRAWN BY: Steve

FABRICATED COMPONENTS

SMC Design
208.249.7268
Nampa, ID

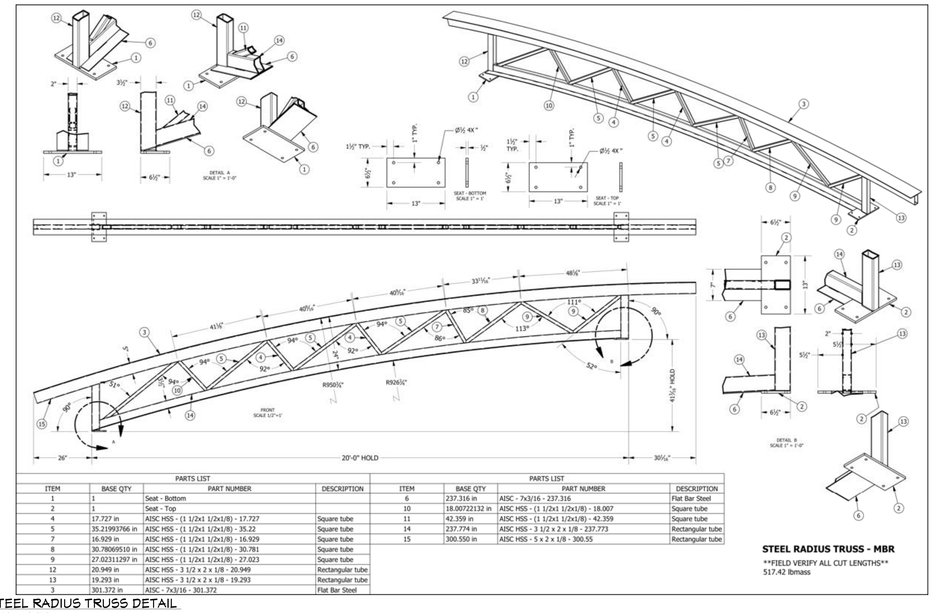
SHEET NUMBER
A8
PAGE 8 OF 24



FIELD VERIFY ALL CUT LENGTHS
1017.72 lbmass

PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	MASS lb. (ea.)
1	101.938 in	AISC - W 14x22 - 101.9375	W-Shape	187.456 lbmass
2	238.000 in	AISC - W 14x38 - 238	W-Shape	753.213 lbmass
3	101.625 in	AISC HSS - 3 x 3 x 3/16 - 101.625	Square tube	58.185 lbmass
4	2	ANSI B18.2.1 - 1/2-13 UNC - 2, HCS2	Hex Cap Screw	0.153 lbmass
5	6	ANSI B18.2.2 - 1/2 - 13, HN5	Hex Nuts (Inch Series) Hex Nut	0.043 lbmass
6	12	ANSI B18.22.1 - 1/2 - wide - Type A	Plain Washer (Inch /Type A and B	0.038 lbmass
7	4	ANSI/ASME B18.2.1 - 1/2-13 UNC - 2, HB5	Hex Bolt - UNC (Regular Thread - Inch)	0.163 lbmass
8	2	POST CAP		*Varies*

BEAM #8 DETAIL
1 IN = 1 IN



PARTS LIST				PARTS LIST			
ITEM	BASE QTY	PART NUMBER	DESCRIPTION	ITEM	BASE QTY	PART NUMBER	DESCRIPTION
1	1	Seat - Bottom		6	237.316 in	AISC - 7x3/16 - 237.316	Flat Bar Steel
2	1	Seat - Top		10	18.00722132 in	AISC HSS - (1 1/2x1 1/2x1/8) - 18.007	Square tube
4	17.727 in	AISC HSS - (1 1/2x1 1/2x1/8) - 17.727	Square tube	11	42.359 in	AISC HSS - (1 1/2x1 1/2x1/8) - 42.359	Square tube
5	35.21993766 in	AISC HSS - (1 1/2x1 1/2x1/8) - 35.22	Square tube	14	237.774 in	AISC HSS - 3 1/2 x 2 x 1/8 - 237.773	Rectangular tube
7	16.929 in	AISC HSS - (1 1/2x1 1/2x1/8) - 16.929	Square tube	15	300.550 in	AISC HSS - 5 x 2 x 1/8 - 300.55	Rectangular tube
8	30.78069510 in	AISC HSS - (1 1/2x1 1/2x1/8) - 30.781	Square tube				
9	27.02311297 in	AISC HSS - (1 1/2x1 1/2x1/8) - 27.023	Square tube				
12	20.949 in	AISC HSS - 3 1/2 x 2 x 1/8 - 20.949	Rectangular tube				
13	19.293 in	AISC HSS - 3 1/2 x 2 x 1/8 - 19.293	Rectangular tube				
3	301.372 in	AISC - 7x3/16 - 301.372	Flat Bar Steel				

STEEL RADIUS TRUSS - MBR
FIELD VERIFY ALL CUT LENGTHS
517.42 lbmass

STEEL RADIUS TRUSS DETAIL
1 IN = 1 IN

257.782 lbmass

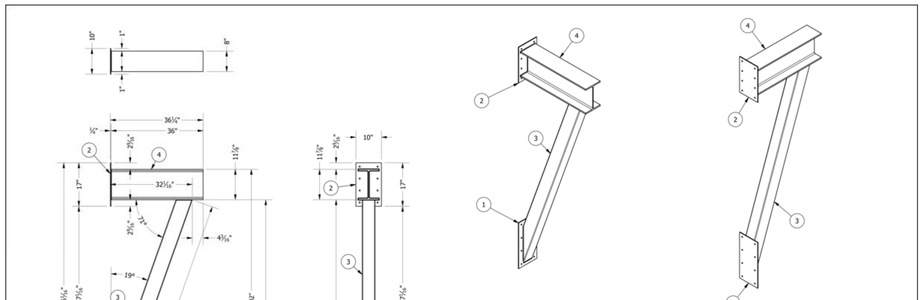
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	25-016 Knee Brace 1 - Bottom Plate	
2	1	25-016 Knee Brace 1 - Top Plate	
3	99.578 in	AISC - 6 x 5 x 1/8 - 99.578	Tube
4	48.000 in	AISC - W 12x40 - 48	W-Shape
5	16	Lag Screw - 0.5 x 3	Lag Screw

KB01 KNEE BRACE - 01 DETAIL
1 IN = 1 IN

280.506 lbmass

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	25-016 Knee Brace 1 - Bottom Plate	
2	1	25-016 Knee Brace 1 - Top Plate	
3	131.603 in	AISC - 6 x 5 x 1/8 - 131.603	Tube
4	48.000 in	AISC - W 12x40 - 48	W-Shape
5	1	Geometry	
6	16	Lag Screw - 0.5 x 3	Lag Screw

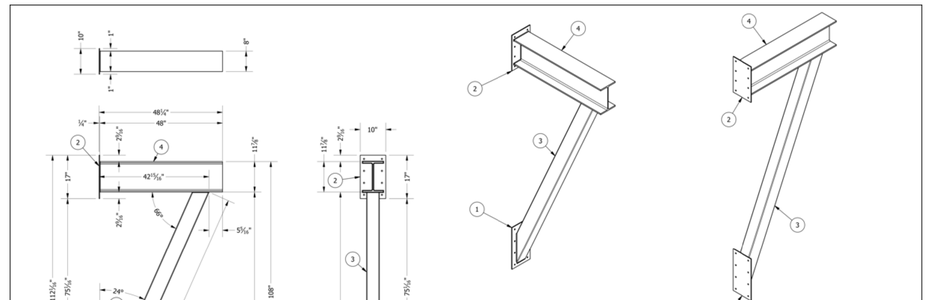
KB02 KNEE BRACE - 02 DETAIL
1 IN = 1 IN



215.135 lbmass

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	25-016 Knee Brace 1 - Bottom Plate	
2	1	25-016 Knee Brace 1 - Top Plate	
3	95.547 in	AISC - 6 x 5 x 1/8 - 95.547	Tube
4	36.000 in	AISC - W 12x40 - 36	W-Shape
5	1	Geometry	
6	16	Lag Screw - 0.5 x 3	Lag Screw

KB03 KNEE BRACE - 03 DETAIL
1 IN = 1 IN



261.755 lbmass

PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	25-016 Knee Brace 1 - Bottom Plate	
2	1	25-016 Knee Brace 1 - Top Plate	
3	105.164 in	AISC - 6 x 5 x 1/8 - 105.164	Tube
4	48.000 in	AISC - W 12x40 - 48	W-Shape
5	1	Geometry	
6	16	Lag Screw - 0.5 x 3	Lag Screw

KB04 KNEE BRACE - 04 DETAIL
1 IN = 1 IN

KNEE BRACE SCHEDULE		
NO.	QTY.	LABEL
KB01	2	25-016 KNEE BRACE 01
KB02	2	25-016 KNEE BRACE 02
KB03	2	25-016 KNEE BRACE 03
KB04	2	25-016 KNEE BRACE 04

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

DRAWN BY: Steve
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025
SHEET SIZE: 36" x 48"

FABRICATED COMPONENTS

SMC Design
208.249.7268
Nampa, ID

SHEET NUMBER
A9
PAGE 9 OF 24

WALL BRACING PLAN - 1ST LEVEL
1/4 IN = 1 FT

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

ENGINEER STAMP AREA

STRAP SCHEDULE

CALLOUT	STRAP TYPE	STRAP FASTENERS	ROF STUDS	COMMENTS

ANCHOR BOLT KEY NOTES

CALLOUT	

HOLD DOWN SCHEDULE

CALLOUT	STRAP TYPE	FASTENERS	ROF STUDS
HDA	HDU5-SDS2.5 V# SB SIMPSON OR PABS @ INT. FOYAY WALLS	(14) 1/4" X 2-1/2" SDS	2

ENGINEERED SHEAR WALL

BWP	SHEATHING	SIDES OF WALL	SHEET NAILING	SHEET STAPLING	BLKG	NAILING UNO (BOTTOM PLT INTO RIM)

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

SHEET SIZE
36" x 48"

INITIAL DATE: 11/6/2025
PRINT DATE: 10/30/2025

DRAWN BY:
Steve

WALL BRACING - 1ST LEVEL

SMC Design
208.249.1286
Nampa, ID

SHEET NUMBER
A10
PAGE 10 OF 24

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 24 T19N R3E VALLEY CO.,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.

WALL BRACING - 2ND LEVEL

DRAWN BY:	Steve
INITIAL DATE:	7/9/2025
PRINT DATE:	10/30/2025
SHEET SIZE	36" × 48"

SMC Design
208 244 7288
Nampa, ID

SHEET NUMBER
A11
PAGE 11 OF 24

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

BWP	SHEATHING	SIDES OF WALL	SHEET NAILED	BLKG

MAXIMUM (BOTTOM PLT INTO END)

GAUGE	1 ROW MIN	2 ROWS MIN	STAGGERED	
MIN	@24" CENTERS	@16" CENTERS	NO LESS THAN 3	2

GAUGE	STRAPPING	
GAUGE	1 ROW MIN	2 ROWS MIN

ENGINEERED SHEAR WALL

GAUGE	20
MIN	4"

ADDITIONAL OPTIONS

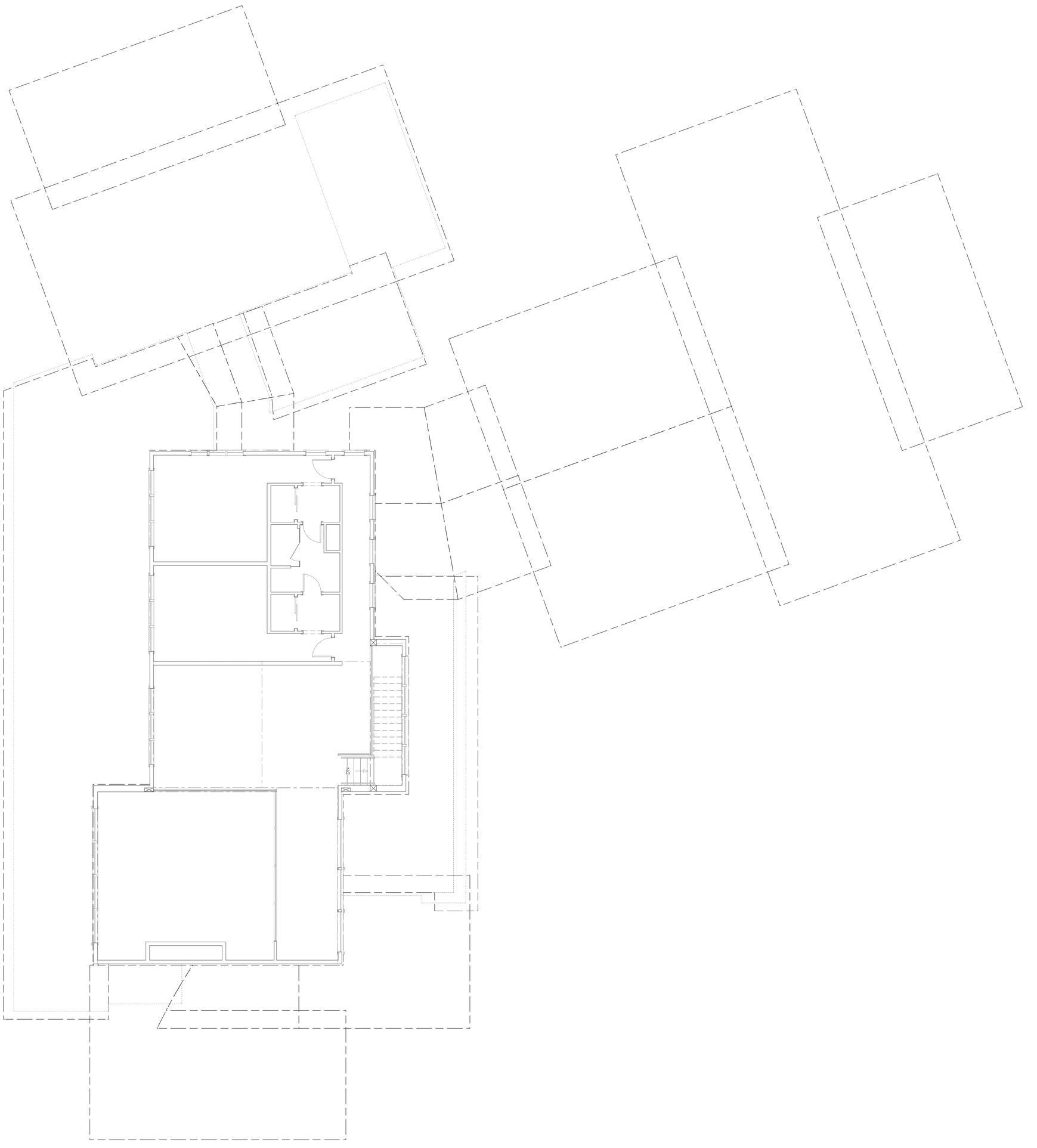
ADHESIVE	
NO LESS THAN 3 STAGGERED ROWS	2

STRAPPING

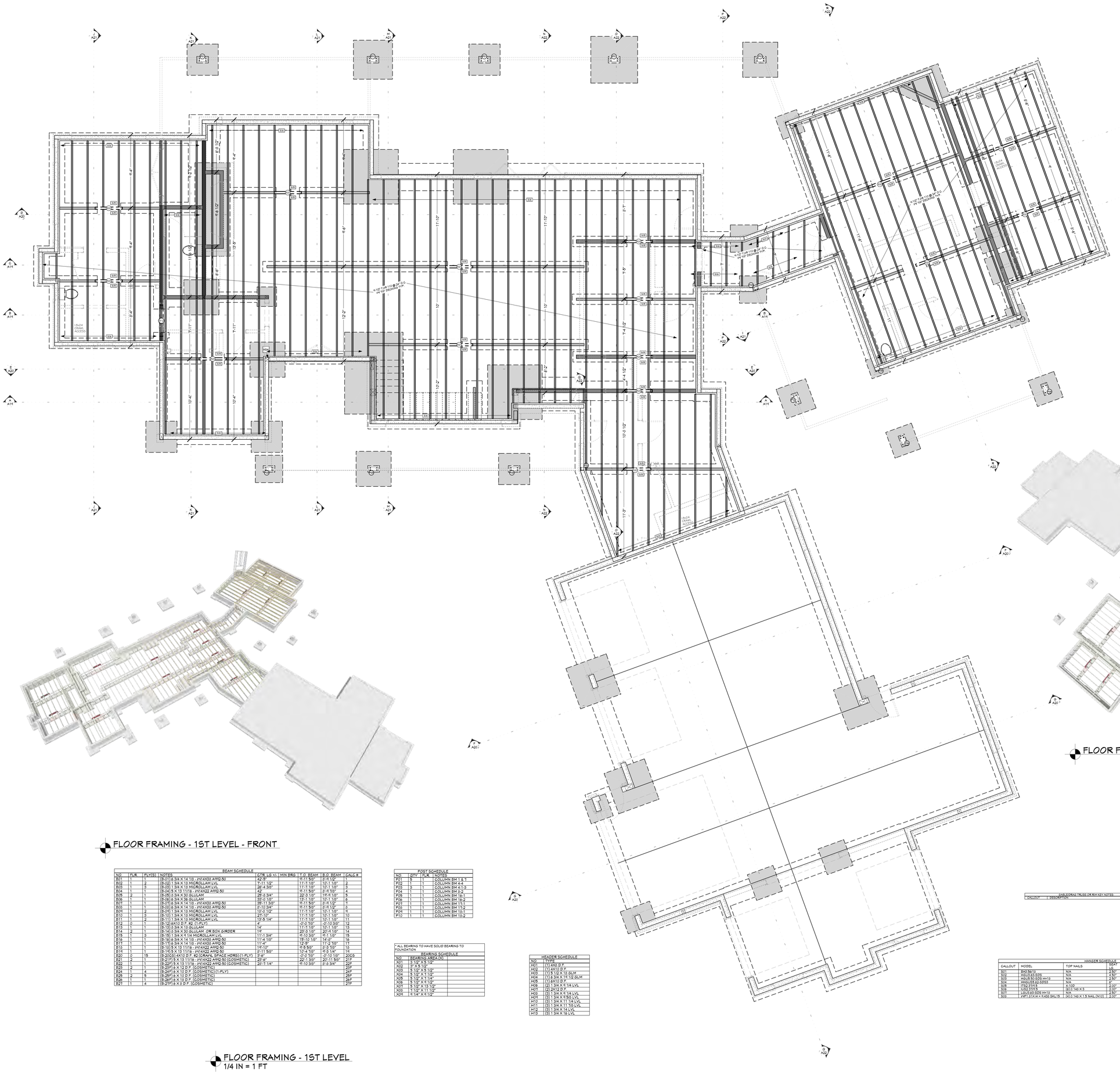
GAUGE	20

STOCK BOX DETAILS

GAUGE	20

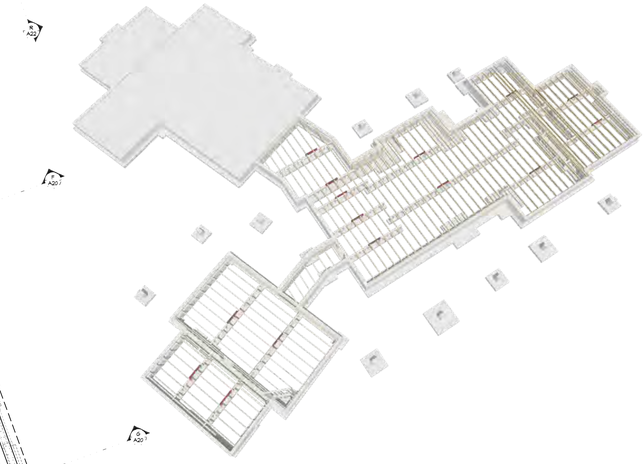


1 WALL BRACING PLAN - 2ND LEVEL
1/4 IN = 1 FT



FLOOR FRAMING - 1ST LEVEL
1/4 IN = 1 FT

FLOOR FRAMING - 1ST LEVEL - FRONT



FLOOR FRAMING - 1ST LEVEL - REAR

BEAM SCHEDULE								
NO	FLR	PLY(S)	NOTES	CTR'LG +/-	MIN BRG	T/G BEAM	B/G BEAM	GALC #
B01	1	1	(B-01) 6 3/4 X 14 1/8 - (W14X53) AWQ-50	42'-9"		4'-11 5/8"	5'-4 1/2"	1
B02	1	2	(B-02) 13 3/4 X 18 MICROLLAM LVL	7'-11 1/2"		11'-1 1/8"	10'-1 1/8"	2
B03	1	3	(B-03) 13 3/4 X 18 MICROLLAM LVL	26'-0 1/2"		11'-1 1/8"	10'-1 1/8"	3
B04	1	1	(B-04) 5 X 13 11/16 - (W14X22 AWQ-50	42'		4'-11 5/8"	5'-4 1/2"	4
B05	2	1	(B-05) 6 3/4 X 30 GLULAM	25'-0 3/4"		22'-3 1/8"	19'-4 1/8"	5
B06	1	1	(B-06) 6 3/4 X 36 GLULAM	38'-0 1/8"		12'-1 1/8"	10'-1 1/8"	6
B07	1	1	(B-07) 6 3/4 X 14 1/8 - (W14X53) AWQ-50	38'-11 5/8"		4'-11 5/8"	5'-4 1/2"	7
B08	1	1	(B-08) 6 3/4 X 14 1/8 - (W14X53) AWQ-50	5'-10 3/4"		4'-11 5/8"	5'-4 1/2"	8
B09	1	2	(B-09) 13 3/4 X 18 MICROLLAM LVL	18'-0 1/2"		11'-1 1/8"	10'-1 1/8"	9
B10	1	3	(B-10) 13 3/4 X 18 MICROLLAM LVL	27'-10"		11'-1 1/8"	10'-1 1/8"	10
B11	1	2	(B-11) 13 3/4 X 18 MICROLLAM LVL	13'-5 1/4"		11'-1 1/8"	10'-1 1/8"	11
B12	0	1	(B-12) 6X12 D.F #2 (1-PLY)	4'		-0'-0 7/8"	-0'-10 3/8"	12
B13	1	1	(B-13) 6 3/4 X 18 GLULAM	14'		11'-1 1/8"	10'-1 1/8"	13
B14	2	1	(B-14) 6 3/4 X 30 GLULAM OR BOX GIRDER	1'-6"		29'-3 1/8"	26'-4 1/8"	14
B15	1	3	(B-15) 13 3/4 X 14 MICROLLAM LVL	11'-1 3/4"		4'-10 3/8"	4'-1 1/8"	15
B16	1	1	(B-16) 6 3/4 X 14 1/8 - (W14X53) AWQ-50	11'-4 1/8"		19'-10 1/8"	14'-9"	16
B17	1	1	(B-17) 6 3/4 X 14 1/8 - (W14X53) AWQ-50	11'-4"		12'-9"	11'-2 7/8"	17
B18	1	1	(B-18) 5 X 13 11/16 - (W14X22 AWQ-50	16'-10"		6'-5 5/8"	5'-3 7/8"	18
B19	1	1	(B-19) 5 X 13 11/16 - (W14X22 AWQ-50	2'-11 5/8"		10'-4 7/8"	9'-3 1/4"	19
B20	0	15	(B-20GS) 6X10 D.F #2 (CRAWL SPACE HDRS) (1-PLY)	9'-6"		-0'-0 7/8"	-0'-10 3/8"	20GS
B21	2	1	(B-21) 5 X 13 11/16 - (W14X22 AWQ-50 (GGSMETIC)	29'-6"		22'-1 3/8"	20'-11 5/8"	21F
B22	1	1	(B-22) 5 X 13 11/16 - (W14X22 AWQ-50 (GGSMETIC)	26'-1 1/4"		9'-10 3/8"	8'-8 3/4"	22F
B23	2	1	(B-23) 6 X 12 D.F. (GGSMETIC)					23F
B24	1	4	(B-24) 6 X 10 D.F. (GGSMETIC) (1-PLY)					24F
B25	1	5	(B-25) 6 X 12 D.F. (GGSMETIC)					25F
B26	1	1	(B-26) 6 X 16 D.F. (GGSMETIC)					26F
B21	1	4	(B-21H) 6 X 8 D.F. (GGSMETIC)					21F

POST SCHEDULE			
NO	QTY	FLR	NOTES
P01	1	1	GGLUMN BM 1 & 3
P02	1	1	GGLUMN BM 4-4
P03	1	1	GGLUMN BM 4-1-3
P04	1	1	GGLUMN BM 5-2
P05	1	1	GGLUMN BM 17-3
P06	1	1	GGLUMN BM 18-2
P07	1	1	GGLUMN BM 15-1
P08	1	1	GGLUMN BM 17-2
P09	1	1	GGLUMN BM 15-3
P10	1	1	GGLUMN BM 18-2

* ALL BEARING TO HAVE SOLID BEARING TO FOUNDATION	
BEARING SCHEDULE	
NO	BEARING AREA (X)
X01	3 1/2" X 5 1/2"
X02	3" X 5 1/2"
X03	5 1/2" X 5 1/2"
X04	5 1/2" X 7 1/2"
X05	5 1/2" X 7 1/4"
X06	5 1/2" X 9 1/2"
X07	5 1/2" X 13 1/2"
X08	5 1/2" X 11 1/2"
X09	4 1/4" X 4 1/2"

HEADER SCHEDULE	
NO	TYPE
H01	(1) 4X6 D.F.
H02	(1) 4X8 D.F.
H03	(1) 5 1/2 X 10 GLM
H04	(1) 5 3/4 X 14 1/2 GLM
H05	(1) 6X10 D.F.
H06	(2) 1.75 X 9 1/4 LVL
H07	(2) 2X12 D.F.
H08	(2) 1.75 X 11 7/8 LVL
H09	(3) 1.75 X 9 7/8 LVL
H10	(3) 3X4 X 11 7/8 LVL
H11	(3) 3 1/4 X 11 7/8 LVL
H12	(3) 3 1/4 X 14 LVL
H13	(3) 3 1/4 X 16 LVL

SAG ROD/KAS TRUSS OR ROOF DEV NOTES	
CALLOUT	DESCRIPTION

HANGER SCHEDULE					
CALLOUT	MODEL	TOP NAILS	SEAT	MEMBER NAILS	FACE NAILS
S01	BA2.56/13	N/A	2.50"	(6) 0.148 X 1.9	(16) 0.162 X 3.5
S02	HG1.81/5.50/5	N/A	4.50"	(24) 1/4 X 2.5	(36) 1/4 X 2.5 SDS
S03	HG1.81/5.50/5 HH18	N/A	2.50"	(24) SDS25212	(36) SDS25212
S04	HHG.69/2.62/30/53	N/A	4"	(20) 1/4 X 3 SDS	(20) 1/4 X 3 SDS
S05	ITS2.37/11.9	6-10D	2.00"	N/A	(8) 0.148 X 3
S06	LUS.81/3.50/5	(5) 0.148 X 3	2.50"	(5) 0.148	(5) 0.148
S07	MIT.81/5.50/5 HH18	(6)	2.50"	(12) SDS25212	(12) SDS25212
S08	MIT.81X H = 4.63/5 SKL18	(10) 0.148 X 1.5 NAIL (N10)	2.00"	(20) 0.148 X 1.5 NAIL (N10)	N/A

SHEET INDEX	
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR BEAM REFERENCE

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

SHEET SIZE
36" X 48"

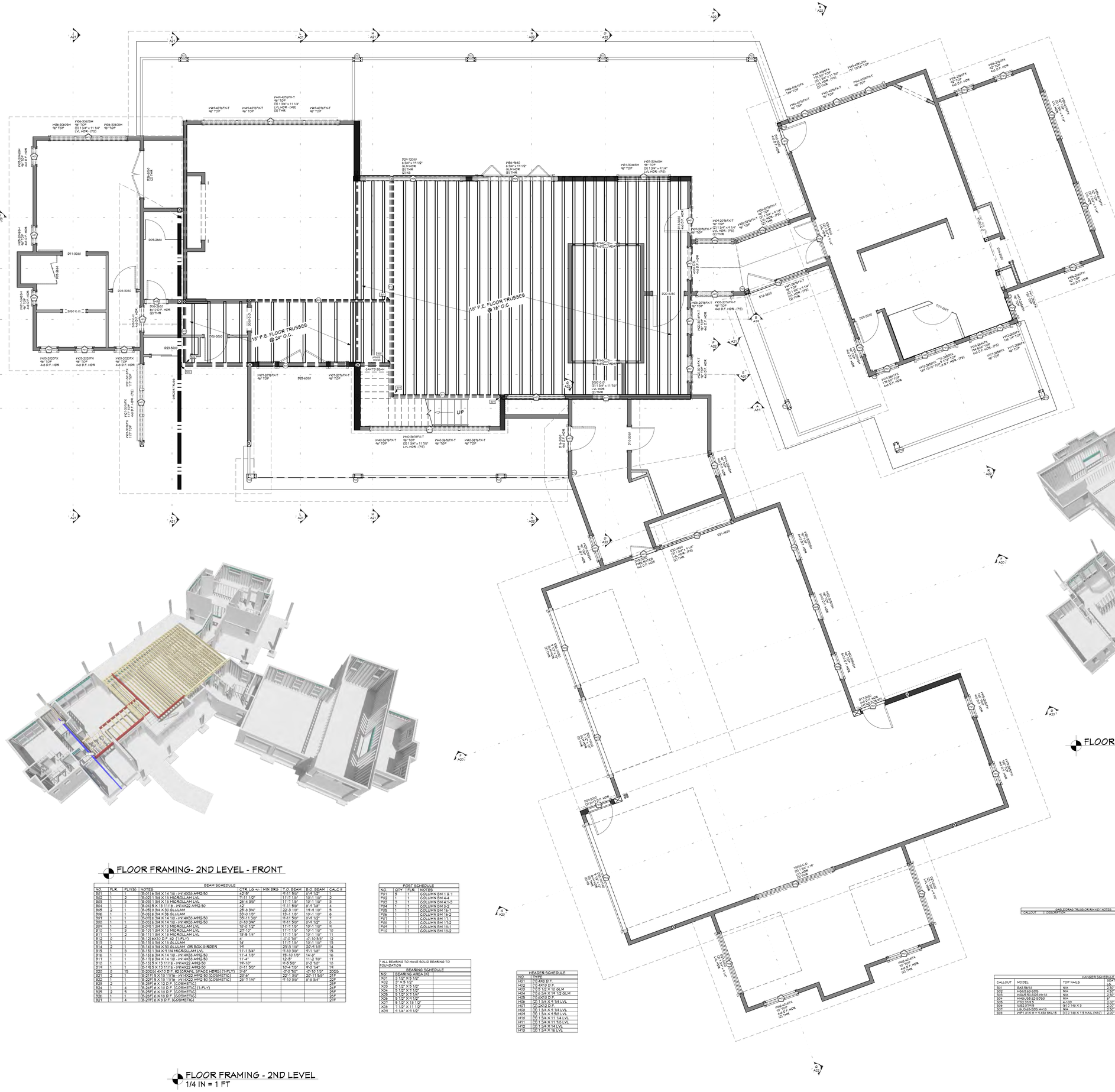
INITIAL DATE: 1/6/2025
PRINT DATE: 10/30/2025

DRAWN BY:
Steve

FLOOR LAYOUT - 1ST LEVEL

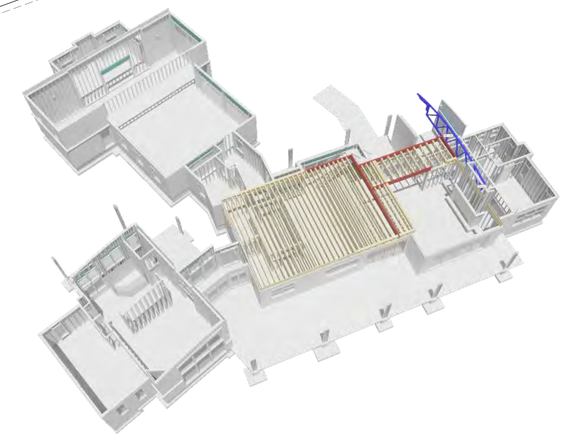
SMC Design
SMC Design
208.249.7268
Nampa, ID

SHEET NUMBER
A12
PAGE 12 OF 24



FLOOR FRAMING- 2ND LEVEL - FRONT

FLOOR FRAMING - 2ND LEVEL
1/4 IN = 1 FT



FLOOR FRAMING- 2ND LEVEL - REAR

BEAM SCHEDULE								
NO	FLR	PLY(S)	NOTES	CTR. LG +/-	MIN BRG	T.O. BEAM	B.O. BEAM	CALC #
B01	1	1	(8-01) 5 3/4 X 14 1/8 - (HT14XS2) AWPQ-50	42'-5"		4'-11 5/8"	3'-4 1/2"	1
B02	1	2	(8-02) 5 3/4 X 18 MICROLLAM LVL	7'-11 1/2"		10'-1 1/8"	10'-1 1/8"	2
B03	1	3	(8-03) 5 3/4 X 18 MICROLLAM LVL	28'-4 3/5"		10'-1 1/8"	10'-1 1/8"	3
B04	1	1	(8-04) 5 1/2 11/16 - (HT14XS2) AWPQ-50	42'		4'-11 5/8"	3'-4 1/2"	4
B05	2	1	(8-05) 5 3/4 X 36 GLULAM	25'-0"		22'-3 1/8"	19'-4 1/8"	5
B06	1	1	(8-06) 5 3/4 X 36 GLULAM	29'-0 3/5"		10'-1 1/8"	10'-1 1/8"	6
B07	1	1	(8-07) 5 3/4 X 14 1/8 - (HT14XS2) AWPQ-50	38'-11 5/8"		4'-11 5/8"	3'-4 1/2"	7
B08	1	1	(8-08) 5 3/4 X 14 1/8 - (HT14XS2) AWPQ-50	5'-10 3/4"		4'-11 5/8"	3'-4 1/2"	8
B09	1	2	(8-09) 5 3/4 X 18 MICROLLAM LVL	15'-2 1/2"		10'-1 1/8"	10'-1 1/8"	9
B10	1	3	(8-10) 5 3/4 X 18 MICROLLAM LVL	24'-10"		11'-1 1/8"	10'-1 1/8"	10
B11	1	2	(8-11) 5 3/4 X 18 MICROLLAM LVL	13'-5 1/4"		11'-1 1/8"	10'-1 1/8"	11
B12	0	1	(8-12) 8X12 D.F. #2 (1-PLY)	4'		-0'-0 7/8"	-0'-10 3/8"	12
B13	1	1	(8-13) 5 3/4 X 15 GLULAM	14'		11'-1 1/8"	10'-1 1/8"	13
B14	2	1	(8-14) 5 3/4 X 30 GLULAM - OR BOX GIRDER	1'-6"		20'-3 1/8"	20'-4 1/8"	14
B15	1	3	(8-15) 5 3/4 X 14 MICROLLAM LVL	11'-1 3/4"		4'-10 3/8"	4'-1 1/8"	15
B16	1	1	(8-16) 5 3/4 X 14 1/8 - (HT14XS2) AWPQ-50	11'-4 1/8"		15'-10 1/8"	14'-5"	16
B17	1	1	(8-17) 5 3/4 X 14 1/8 - (HT14XS2) AWPQ-50	11'-4"		12'-9"	11'-2 7/8"	17
B18	1	1	(8-18) 5 X 13 11/16 - (HT14XS2) AWPQ-50	16'-10"		4'-8 5/8"	3'-3 7/8"	18
B19	1	1	(8-19) 5 X 13 11/16 - (HT14XS2) AWPQ-50	2'-11 5/8"		10'-4 7/8"	9'-8 1/4"	19
B20	0	1S	(8-20GS) 4X10 D.F. #2 (CRAWL SPACE HDRS) (1-PLY)	3'-6"		-0'-0 7/8"	-0'-10 1/8"	20GS
B21	2	1	(8-21FB) 5 X 13 11/16 - (HT14XS2 AB) AWPQ-50 (COSMETIC)	25'-6"		22'-1 3/8"	20'-11 5/8"	21F
B22	3	1	(8-22FB) 5 X 13 11/16 - (HT14XS2 AB) AWPQ-50 (COSMETIC)	28'-1 1/4"		4'-10 3/8"	3'-8 3/4"	22F
B23	3	1	(8-23FB) 6 X 12 D.F. (COSMETIC)					23F
B24	3	4	(8-24FB) 6 X 10 D.F. (COSMETIC) (1-PLY)					24F
B25	3	5	(8-25FB) 6 X 10 D.F. (COSMETIC)					25F
B26	3	1	(8-26FB) 6 X 10 D.F. (COSMETIC)					26F
B21	1	4	(8-21FB) 6 X 8 D.F. ((COSMETIC)					21F

POST SCHEDULE			
NO	QTY	FLR	NOTES
P01	5	1	COLUMN BM 1 & T
P02	1	1	COLUMN BM 4-4
P03	3	1	COLUMN BM 4-1-3
P04	1	1	COLUMN BM 5-2
P05	1	1	COLUMN BM 18-1
P06	1	1	COLUMN BM 18-2
P07	1	1	COLUMN BM 13-1
P08	1	1	COLUMN BM 13-2
P09	1	1	COLUMN BM 18-3
P10	1	1	COLUMN BM 18-4

* ALL BEARING TO HAVE SOLID BEARING TO FOUNDATION		
BEARING SCHEDULE		
NO.	BEARING AREA (A)	
X01	3 1/2" X 5 1/2"	
X02	3" X 5 1/2"	
X03	5 1/2" X 5 1/2"	
X04	5 1/2" X 7 1/2"	
X05	5 1/2" X 7 1/4"	
X06	5 1/2" X 9 1/2"	
X07	5 1/2" X 13 1/2"	
X08	5 1/2" X 11 1/2"	
X09	4 1/4" X 9 1/2"	

HEADER SCHEDULE	
NO.	TYPE
H01	(1) 4X6 D.F.
H02	(1) 4X10 D.F.
H03	(1) 5 1/2" X 16 GLM
H04	(1) 6 3/4 X 14 1/2 GLM
H05	(1) 6X10 D.F.
H06	(2) 1 3/4 X 9 1/4 LVL
H07	(2) 2X12 D.F.
H08	(3) 1 3/4 X 9 1/4 LVL
H09	(3) 1 3/4 X 9 1/2 LVL
H10	(3) 1 3/4 X 11 1/4 LVL
H11	(3) 1 3/4 X 11 7/8 LVL
H12	(3) 1 3/4 X 14 LVL
H13	(3) 1 3/4 X 16 LVL

GABLE/END TRUSS OR ROOF KEY NOTES	
CALLOUT	DESCRIPTION

HANGER SCHEDULE					
CALLOUT	MODEL	TOP NAILS	SEAT	MEMBER NAILS	FACE NAILS
S01	BA2.56/13	N/A	2.50"	(6) 0.162 X 1.5	(16) 0.162 X 2.5
S02	HGU2.63-SDS	N/A	2.50"	(24) 1/4 X 2.5	(36) 1/4 X 2.5 SDS
S03	HGUS5.50-SDS HH.5	N/A	2.50"	(24) SDS25212	(36) SDS25212
S04	HHGU5.62-SDS3	N/A	3"	(12) 1/4 X 3 SDS	(20) 1/4 X 3 SDS
S05	ITS2.37/9.5	6-10D	2.00"	N/A	(8) 0.162 X 3
S06	IUS2.37/9.5	(6) 0.162 X 3	2.00"	N/A	N/A
S07	LUS26.62-SDS HH.5	(6) SDS25212	2.00"	(6) SDS25212	(6) SDS25212
S08	HST 3.5 H = 4.450 SKL.15	(42) 0.162 X 1.5 NAIL (N10)	2.00"	(42) 0.162 X 1.5 NAIL (N10)	N/A

SHEET INDEX	
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR BEAM REFERENCE

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

SMC Design
SMC Design
208.244.7268
Nampa, ID

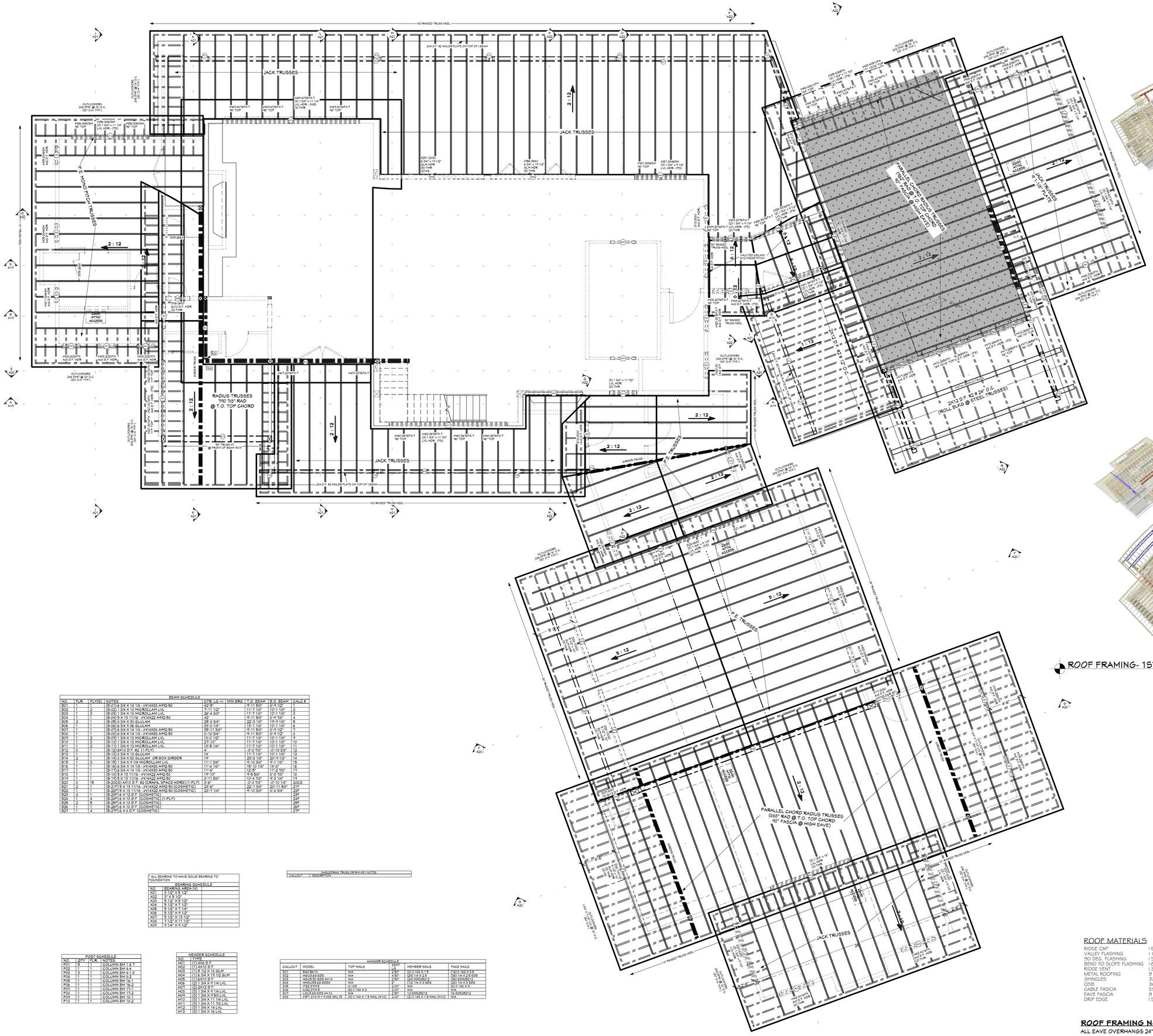
SHEET SIZE
36" X 48"

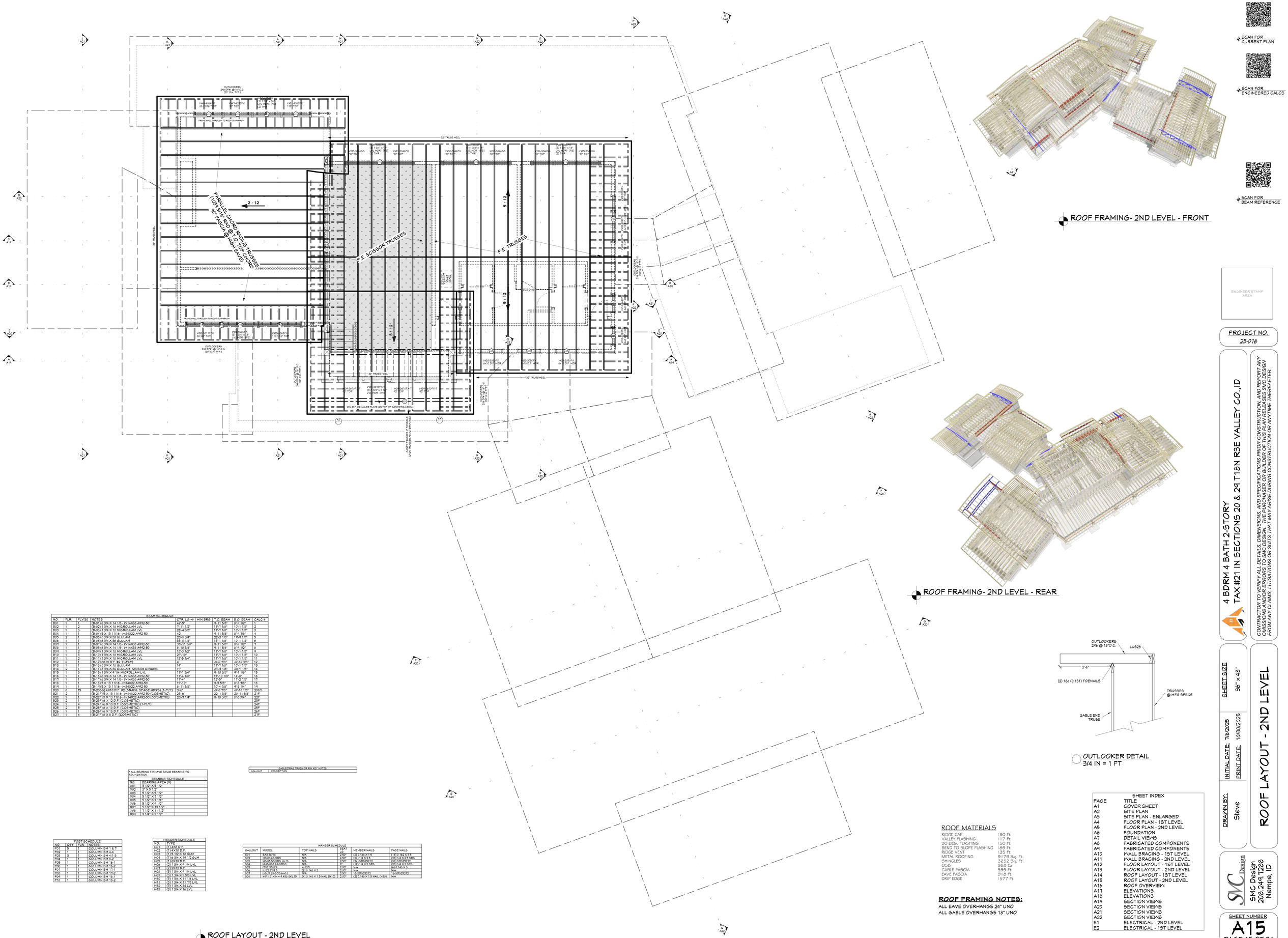
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025

DRAWN BY:
Steve

FLOOR LAYOUT - 2ND LEVEL

SHEET NUMBER
A13
PAGE 13 OF 24


NO RAISED TRUSS HEEL
JACK TRUSSES
2 : 12
OUTLOOKERS 2X6 DF#1 @ 16" O.C. (30" O.H. TYP.)
P.E. HIGH PITCH TRUSSES
22X30 ATTIC ACCESS
RADIUS TRUSSES T40 7/8" RAD @ T.O. TOP CHORD
50" TRUSS AT @ FRONT OF BEAM 39'0"
24# D.F. #2 NAILER PLATE ON TOP OF I-BEAM
PARALLEL CHORD RADIUS TRUSSES (888" RAD @ T.O. TOP CHORD (162" FASCIA @ HIGH EAVE))
2X12 D.F. #2 @ 24" O.C. (ROLL BLKG @ STEEL TRUSSES)
50" RAISED TRUSS HEEL
VAULTED CEILING W/12 INSIDE PITCH
GIRDER TRUSS
I-E TRUSSES
5 : 12
5.97
5.12
JACK TRUSSES
PARALLEL CHORD RADIUS TRUSSES (888" RAD @ T.O. TOP CHORD (50" FASCIA @ HIGH EAVE))
JACK TRUSSES @ 7.18" PITCH
22X30 ATTIC ACCESS
2X12 D.F. #2 @ 24" O.C. (ROLL BLKG @ STEEL TRUSSES)
2X12 D.F. #2 @ 24" O.C.
50" RAISED TRUSS HEEL
VAULTED CEILING W/12 INSIDE PITCH
GIRDER TRUSS
I-E TRUSSES
5 : 12
5.97
5.12
JACK TRUSSES
PARALLEL CHORD RADIUS TRUSSES (888" RAD @ T.O. TOP CHORD (50" FASCIA @ HIGH EAVE))
JACK TRUSSES
2X12 D.F. #2 @ 24" O.C. (ROLL BLKG @ STEEL TRUSSES)



ROOF FRAMING- 2ND LEVEL - FRONT

ROOF FRAMING- 2ND LEVEL - REAR

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR BEAM REFERENCE

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

SHEET SIZE
36" × 48"

INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025

DRAWN BY:
Steve

ROOF LAYOUT - 2ND LEVEL

SMC Design
SMC Design
208.249.7288
Nampa, ID

SHEET NUMBER
A15
PAGE 15 OF 24

BEAM SCHEDULE

NO.	FLR	PLY(S)	NOTES	QTR. LG +/-	MIN BRG	T.O. BEAM	B.O. BEAM	CALC #
B01	1	1	(B-01) 6 3/4 X 14 1/8 - (X)14X30 ARRQ-50	42'-9"		9'-11 5/8"	8'-8 1/2"	1
B02	1	2	(B-02) 1 3/4 X 13 MICROLLAM LVL	7'-11 1/2"		11'-1 1/8"	10'-1 1/8"	2
B03	1	3	(B-03) 1 3/4 X 13 MICROLLAM LVL	26'-4 3/8"		11'-1 1/8"	10'-1 1/8"	3
B04	1	1	(B-04) 5 X 13 11/16 - (X)14X22 ARRQ-50	42'		9'-11 5/8"	8'-8 1/2"	4
B05	2	1	(B-05) 3 3/4 X 30 GLULAM	28'-3 3/4"		22'-3 1/8"	19'-8 1/8"	5
B06	1	1	(B-06) 5 3/4 X 36 GLULAM	32'-0 1/8"		13'-1 1/8"	12'-1 1/8"	6
B07	1	1	(B-07) 6 3/4 X 14 1/8 - (X)14X30 ARRQ-50	38'-11 3/8"		9'-11 5/8"	8'-8 1/2"	7
B08	1	1	(B-08) 6 3/4 X 14 1/8 - (X)14X30 ARRQ-50	5'-10 3/4"		9'-11 5/8"	8'-8 1/2"	8
B09	1	2	(B-09) 1 3/4 X 13 MICROLLAM LVL	18'-0 1/2"		11'-1 1/8"	10'-1 1/8"	9
B10	1	3	(B-10) 1 3/4 X 13 MICROLLAM LVL	21'-1 5/8"		11'-1 1/8"	10'-1 1/8"	10
B11	1	2	(B-11) 1 3/4 X 13 MICROLLAM LVL	13'-5 1/4"		11'-1 1/8"	10'-1 1/8"	11
B12	0	1	(B-12)6X10 D.F. #2 (1-PLY)	4'		-0'-0 7/8"	-0'-10 3/8"	12
B13	1	1	(B-13) 5 3/4 X 18 GLULAM	14'		11'-1 1/8"	10'-1 1/8"	13
B14	2	1	(B-14) 5 3/4 X 30 GLULAM OR BOX GIRDER	14'		23'-3 1/8"	20'-4 1/8"	14
B15	1	3	(B-15) 1 3/4 X 9 1/4 MICROLLAM LVL	11'-1 3/4"		9'-10 3/8"	9'-1 1/8"	15
B16	1	1	(B-16)6 3/4 X 14 1/8 - (X)14X30 ARRQ-50	11'-4 1/8"		15'-10 1/8"	14'-0"	16
B17	1	1	(B-17) 6 3/4 X 14 1/8 - (X)14X30 ARRQ-50	11'-4"		12'-9"	11'-2 7/8"	17
B18	1	1	(B-18) 5 X 13 11/16 - (X)14X22 ARRQ-50	14'-1/2"		9'-5 5/8"	8'-3 7/8"	18
B19	1	1	(B-19) 5 X 13 11/16 - (X)14X22 ARRQ-50	5'-11 5/8"		10'-4 7/8"	9'-3 1/4"	19
B20	0	15	(B-20)(8)-6X10 D.F. #2 (CRAWL SPACE HDRS) (1-PLY)	3'-6"		-0'-0 7/8"	-0'-10 1/8"	20CS
B21	2	1	(B-21)(F) 5 X 13 11/16 - (X)14X22 ARRQ-50 (GOSMETIC)	28'-6"		22'-1 3/8"	20'-11 5/8"	21F
B22	1	1	(B-22)(F) 5 X 13 11/16 - (X)14X22 ARRQ-50 (GOSMETIC)	26'-1 1/4"		15'-10 3/8"	6'-8 3/4"	22F
B23	2	1	(B-23)(F) 6 X 12 D.F. (GOSMETIC)					23F
B24	1	4	(B-24)(F) 6 X 10 D.F. (GOSMETIC) (1-PLY)					24F
B25	2	5	(B-25)(F) 6 X 10 D.F. (GOSMETIC)					25F
B26	1	1	(B-26)(F) 6 X 10 D.F. (GOSMETIC)					26F
B21	1	4	(B-21)(F) 6 X 8 D.F. (GOSMETIC)					21F

* ALL BEARING TO HAVE SOLID BEARING TO FOUNDATION

BEARING SCHEDULE

NO.	BEARING AREA (IN²)	
X01	5 1/2" X 5 1/2"	
X02	3" X 5 1/2"	
X03	5 1/2" X 5 1/2"	
X04	5 1/2" X 11 1/2"	
X05	5 1/2" X 7 1/4"	
X06	5 1/2" X 11 1/2"	
X07	5 1/2" X 13 1/2"	
X08	5 1/2" X 11 1/2"	
X09	4 1/4" X 11 1/2"	

ADD'L/SPECIAL TRUSSES (OR NON KEY SOFFIT)

CALLOUT	DESCRIPTION

POST SCHEDULE

NO.	QTY	FLR	NOTES
P01	9	1	GOLUMN BM 1 & T
P02	1	1	GOLUMN BM 4-4
P03	3	1	GOLUMN BM 4-13
P04	1	1	GOLUMN BM 5-2
P05	1	1	GOLUMN BM 16-1
P06	1	1	GOLUMN BM 16-2
P07	1	1	GOLUMN BM 11-1
P08	1	1	GOLUMN BM 11-2
P09	1	1	GOLUMN BM 15-1
P10	1	1	GOLUMN BM 15-2

HEADER SCHEDULE

NO.	TYPE
H01	(1) 4X10 D.F.
H02	(1) 4X12 D.F.
H03	(1) 5 1/2 X 13 GLM
H04	(1) 6 3/4 X 19 1/2 GLM
H05	(1) 6X10 D.F.
H06	(2) 1 3/4 X 9 1/4 LVL
H07	(2) 6X12 D.F.
H08	(2) 1 3/4 X 11 7/8 LVL
H09	(3) 1 3/4 X 9 1/4 LVL
H10	(3) 1 3/4 X 11 1/4 LVL
H11	(3) 1 3/4 X 11 7/8 LVL
H12	(3) 1 3/4 X 14 LVL
H13	(3) 1 3/4 X 16 LVL

HANGER SCHEDULE

CALLOUT	MODEL	TOP NAILS	SEAT	MEMBER NAILS	FACE NAILS
S01	BA3.56/12	N/A	2.50"	(6) 0.162 X 1.5	(16) 0.162 X 3.5
S02	MSUS2.62-2SDS	N/A	4.50"	(24) 1/4 x 2.5	(36) 1/4 x 2.5 SDS
S03	MSUS5.50-5SDS HH10	N/A	2.50"	(24) SDS25212	(36) SDS25212
S04	MHGUS5.62-5DS3	N/A	6"	(12) 1/4 X 3 SDS	(20) 1/4 X 3 SDS
S05	IUS2.56/10-2	4-10D	2.00"	N/A	(6) 0.162 X 3
S06	IUS2.56/12-2	4-0.162 X 3	2.00"	N/A	(8) 0.162 X 3
S07	MSUS5.50-5SDS HH10	N/A	2.50"	12-SDS25212	16-SDS25212
S08	HHF1.81 HH = 4.430 SKL19	(4) 0.162 X 1.5 NAIL (N10)	2.00"	(2) 0.162 X 1.5 NAIL (N10)	N/A

ROOF MATERIALS

RIDGE CAP	190 Ft.
VALLEY FLASHING	117 Ft.
90 DEG. FLASHING	150 Ft.
BEND TO SLOPE FLASHING	189 Ft.
RIDGE VENT	135 Ft.
METAL ROOFING	9179 Sq. Ft.
SHINGLES	3252 Sq. Ft.
OSB	368 Ea
GABLE FASCIA	599 Ft.
EAVE FASCIA	918 Ft.
DRIP EDGE	1577 Ft.

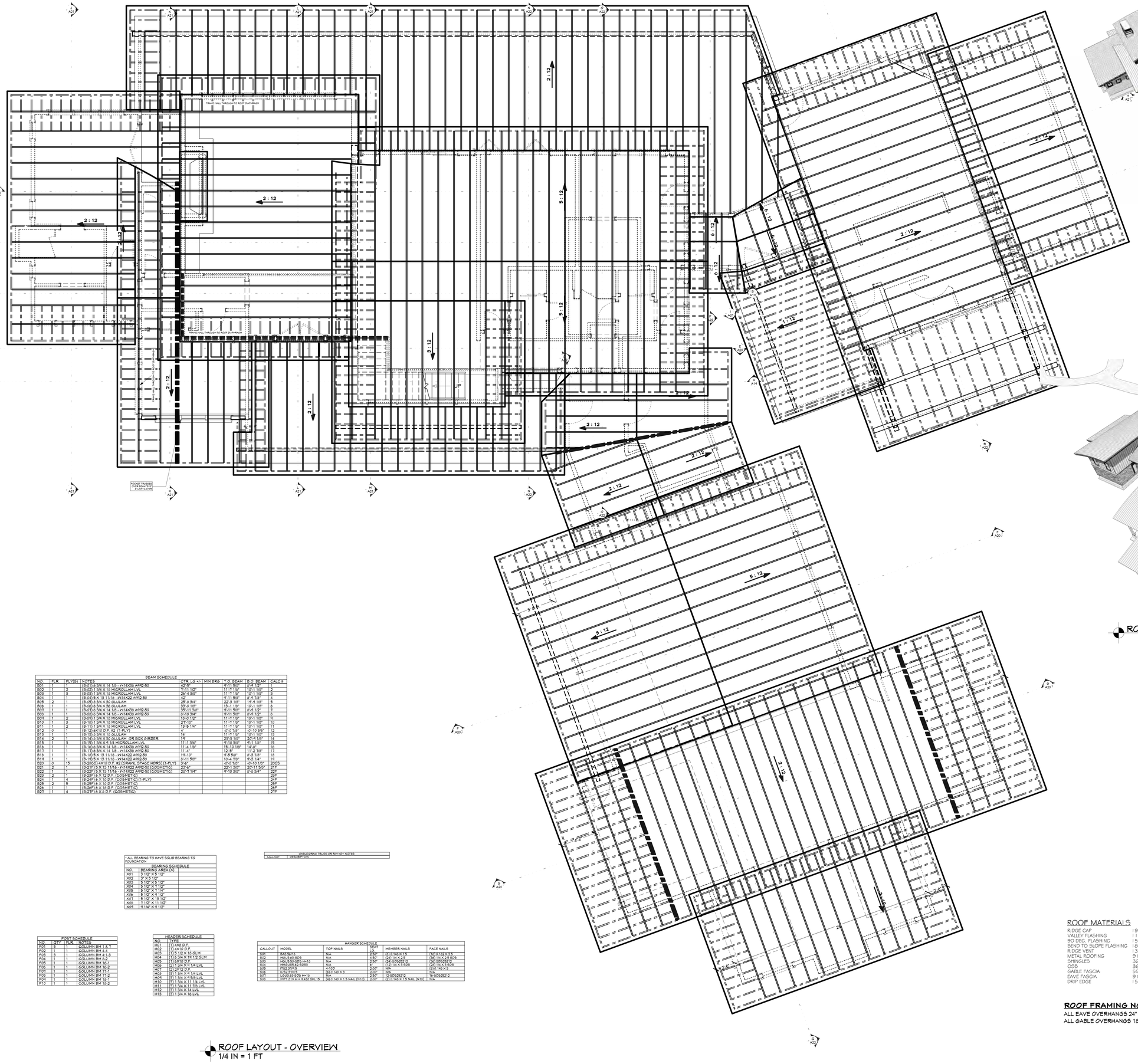
ROOF FRAMING NOTES:
ALL EAVE OVERHANGS 24" UNO
ALL GABLE OVERHANGS 18" UNO

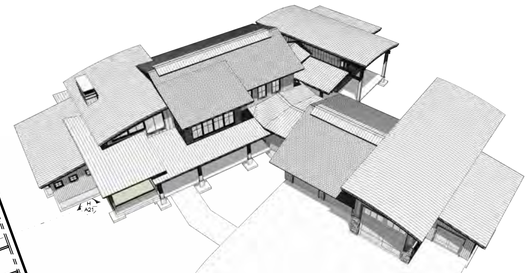
SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

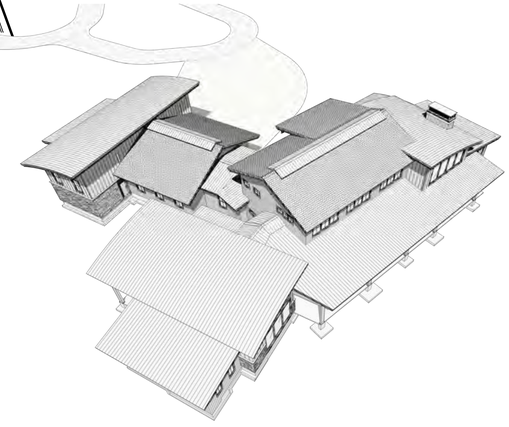
OUTLOOKER DETAIL
3/4 IN = 1 FT

ROOF LAYOUT - 2ND LEVEL
1/4 IN = 1 FT

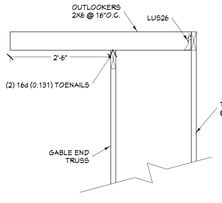




ROOF OVERVIEW - FRONT



ROOF OVERVIEW - REAR



OUTLOOKER DETAIL
3/4 IN = 1 FT

BEAM SCHEDULE

NO	FLR	PLY(S)	NOTES	CTR. LG +/-	MIN BRG	T.O. BEAM	B.O. BEAM	CALC #
B01	1	1	(6-2) 1 3/4 X 14 1/8 - (X1)4X8 ARRQ-50	42'-9"		4'-11 5/8"	8'-4 1/2"	1
B02	1	2	(5-2)(2) 1 3/4 X 13 MICRO.LAM LVL	17'-11 1/2"		11'-1 1/8"	10'-1 1/8"	2
B03	1	3	(5-2)(3) 1 3/4 X 13 MICRO.LAM LVL	26'-4 3/8"		11'-1 1/8"	10'-1 1/8"	3
B04	1	1	(5-2)(1) 5 1/4 X 11 7/8 - (X1)4Q2 ARRQ-50	42'		4'-11 5/8"	8'-4 1/2"	4
B05	2	1	(5-2)(2) 3 1/4 X 30 GLULAM	25'-3 3/4"		22'-3 1/8"	14'-4 1/8"	5
B06	1	1	(5-2)(2) 3 1/4 X 36 GLULAM	32'-0 1/8"		13'-1 1/8"	10'-1 1/8"	6
B07	1	1	(6-2)(1) 1 3/4 X 14 1/8 - (X1)4X8 ARRQ-50	36'-11 3/8"		4'-11 5/8"	8'-4 1/2"	7
B08	1	1	(5-2)(1) 1 3/4 X 14 1/8 - (X1)4X8 ARRQ-50	5'-10 3/4"		4'-11 5/8"	8'-4 1/2"	8
B09	1	2	(5-2)(2) 1 3/4 X 11 MICRO.LAM LVL	10'-0 1/2"		11'-1 1/8"	10'-1 1/8"	9
B10	1	3	(5-2)(3) 1 3/4 X 11 MICRO.LAM LVL	21'-10"		11'-1 1/8"	10'-1 1/8"	10
B11	1	2	(5-2)(2) 1 3/4 X 18 MICRO.LAM LVL	13'-8 1/4"		11'-1 1/8"	10'-1 1/8"	11
B12	0	1	(6-12) 8X12 D.F. #2 (1-PLY)	4'		-0'-3 5/8"	-0'-10 3/8"	12
B13	1	1	(6-12) 8X14 D.F. #2 (1-PLY)	14'		11'-1 1/8"	-0'-10 3/8"	13
B14	2	1	(6-14) 1 3/4 X 30 GLULAM - OR BOX GIRDER	19'		20'-3 1/8"	20'-4 1/8"	14
B15	1	3	(6-15) 1 3/4 X 9 1/4 MICRO.LAM LVL	11'-1 3/4"		9'-10 3/8"	9'-1 1/8"	15
B16	1	1	(6-16) 6 3/4 X 14 1/8 - (X1)4X8 ARRQ-50	11'-4 1/8"		19'-10 1/8"	14'-8"	16
B17	1	1	(6-17) 6 3/4 X 14 1/8 - (X1)4X8 ARRQ-50	17'-4"		13'-3 3/8"	11'-3 3/8"	17
B18	1	1	(6-13) 5 1/4 X 13 11/16 - (X1)4Q2 ARRQ-50	14'-10"		9'-8 5/8"	8'-3 7/8"	18
B19	1	1	(6-18) 5 1/4 X 13 11/16 - (X1)4Q2 ARRQ-50	8'-11 5/8"		10'-4 7/8"	9'-8 1/4"	19
B20	0	15	(6-20)(3)4X10 D.F. #2 (CRAWL SPACE HORZ) (1-PLY)	9'-6"		-0'-2 7/8"	-0'-10 1/8"	20GS
B21	2	1	(6-21)(1) 5 1/4 X 13 11/16 - (X1)4Q2 ARRQ-50 (GOSHEN'S)	28'-5"		22'-1 3/8"	20'-11 5/8"	21F
B22	1	1	(6-22)(1) 5 1/4 X 13 11/16 - (X1)4Q2 ARRQ-50 (GOSHEN'S)	26'-7 1/4"		11'-10 3/8"	8'-9 3/4"	22F
B23	1	1	(6-23)(1) 8 X 12 D.F. (GOSHEN'S)					23F
B24	1	4	(6-24)(1) 8 X 10 D.F. (GOSHEN'S) (1-PLY)					24F
B25	2	5	(6-25)(1) 8 X 10 D.F. (GOSHEN'S)					25F
B26	1	1	(6-26)(1) 8 X 10 D.F. (GOSHEN'S)					26F
B27	1	4	(6-27)(1) 8 X 8 D.F. (GOSHEN'S)					27F

POST SCHEDULE

NO	QTY	FLR	NOTES
P01	5	1	GOLUMN BM 1 & T
P02	1	1	GOLUMN BM 4-4
P03	3	1	GOLUMN BM 4-1.5
P04	1	1	GOLUMN BM 5-2
P05	1	1	GOLUMN BM 16-1
P06	1	1	GOLUMN BM 16-2
P07	1	1	GOLUMN BM 11-1
P08	1	1	GOLUMN BM 11-2
P09	1	1	GOLUMN BM 18-1
P10	1	1	GOLUMN BM 18-2

HEADER SCHEDULE

NO	TYPE
H01	(1) 4X8 D.F.
H02	(1) 4X10 D.F.
H03	(3) 1 3/4 X 16 GLM
H04	(3) 1 3/4 X 18 1/2 GLM
H05	(1) 8X10 D.F.
H06	(2) 1 3/4 X 9 1/4 LVL
H07	(2) 2X12 D.F.
H08	(3) 1 3/4 X 9 1/4 LVL
H09	(3) 1 3/4 X 9 BOLVL
H10	(3) 1 3/4 X 11 7/8 LVL
H11	(3) 1 3/4 X 11 7/8 LVL
H12	(3) 1 3/4 X 14 LVL
H13	(3) 1 3/4 X 16 LVL

HANGER SCHEDULE

CALLOUT	MODEL	TOP NAILS	SEAT	MEMBER NAILS	FACE NAILS
S01	BAS3619	N/A	4.50"	(51) 0.162 X 1.9	(18) 0.162 X 3.5
S02	HGUS3.5/20	N/A	4.50"	(24) 0.148 X 2.5	(26) 0.131 X 2.5 SDS
S03	HHUS3.5/22 sim H18	N/A	2.50"	(12) 0.148 X 2.5	(20) 0.148 X 3 SDS
S04	HHUS3.5/22-SDS2.5/22	N/A	2.50"	(12) 0.131 X 2.5 SDS	(20) 0.131 X 2.5 SDS
S05	IT22.2/11-5	4-SDS	2.00"	N/A	(6) 0.148 X 4
S06	IUS2.37/11-5	(8) 0.148 X 3	2.00"	N/A	N/A
S07	LSUS 65-SDS sim H	N/A	2.50"	12-SDS25212	16-SDS25212
S08	HWT 9.75 H = 14.50 SKU 9	(40) 0.162 X 1.5 NAIL (N10)	2.00"	(40) 0.162 X 1.5 NAIL (N10)	N/A

ROOF LAYOUT - OVERVIEW
1/4 IN = 1 FT

ROOF MATERIALS

RIDGE CAP	190 Ft
VALLEY FLASHING	117 Ft
90 DEG. FLASHING	150 Ft
BEND TO SLOPE FLASHING	189 Ft
RIDGE VENT	135 Ft
METAL ROOFING	3179 Sq. Ft.
SHINGLES	3252 Sq. Ft.
OSB	368 Ea
GABLE FASCIA	599 Ft
EAVE FASCIA	918 Ft
DRIP EDGE	1577 Ft

ROOF FRAMING NOTES:
ALL EAVE OVERHANGS 24" UNO
ALL GABLE OVERHANGS 18" UNO

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN
SCAN FOR ENGINEERED CALCS
SCAN FOR RENDERINGS
SCAN FOR BEAM REFERENCE

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., ID

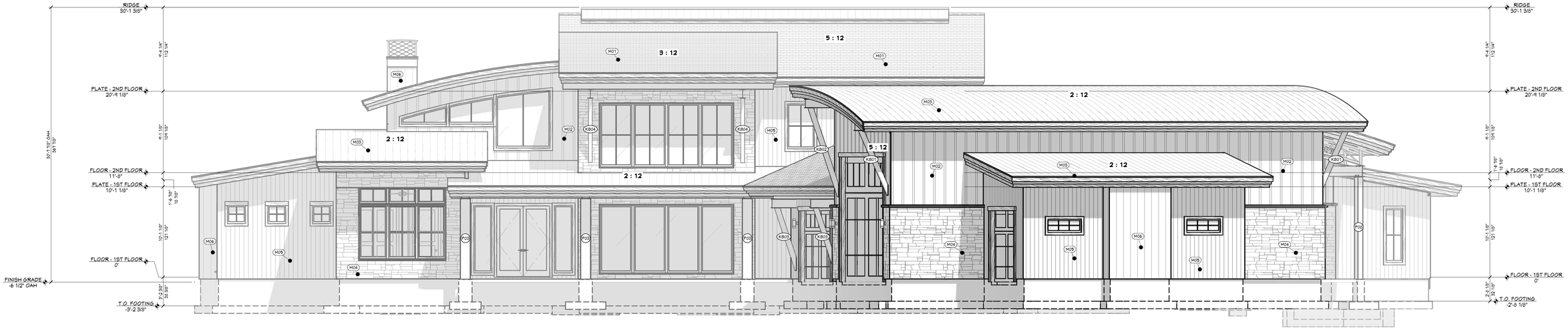
DRAWN BY: Steve
INITIAL DATE: 1/6/2025
PRINT DATE: 10/30/2025
SHEET SIZE: 36" X 48"

ROOF OVERVIEW

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.

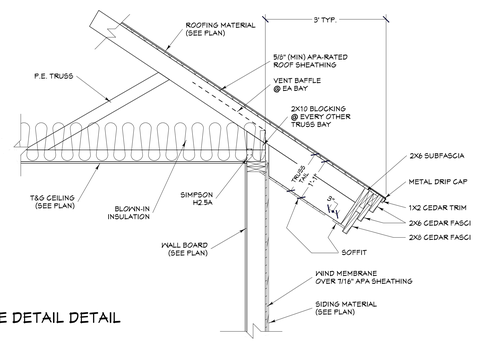
SMC Design
208.249.7268
Nampa, ID

SHEET NUMBER
A16
PAGE 16 OF 24



FT FRONT ELEVATION
1/4 IN = 1 FT

EXTERIOR MATERIALS	
CALLOUT	DESCRIPTION
M01	14" 3 STEP FASCIA
M02	BOARD & BATTEN SIDING
M03	STANDING SEAM ROOFING - MIDNIGHT BRONZE
M04	STONE VENEER
M05	VERTICAL T&G SIDING
M06	VERTICAL T&G SIDING - SUMMER WHEAT STAIN



EAVE DETAIL DETAIL

LT LEFT ELEVATION
1/4 IN = 1 FT

SHEET INDEX	
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR RENDERINGS

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

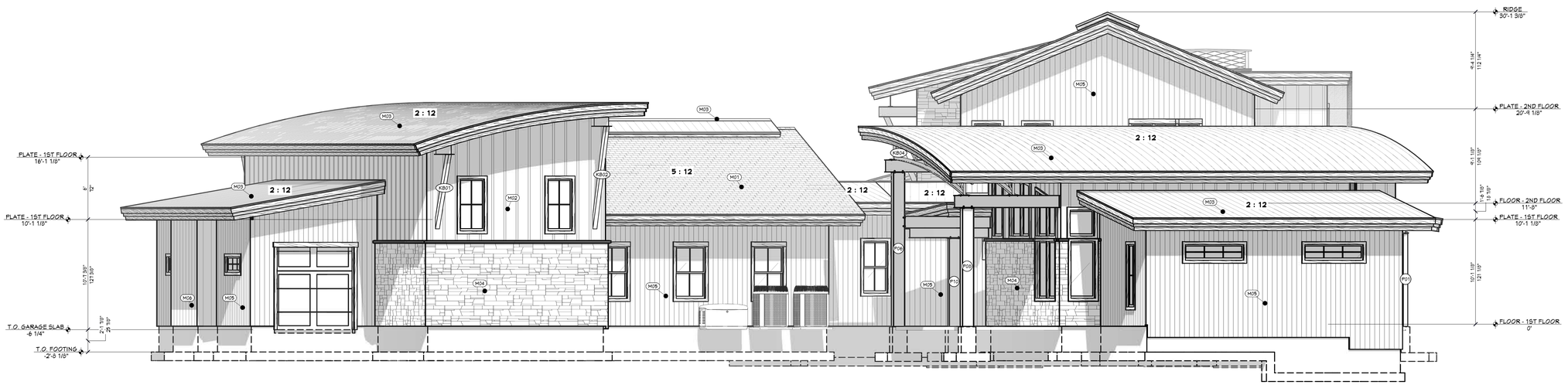
DRAWN BY: Steve
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025
SHEET SIZE: 36" x 48"

ELEVATIONS

SMC Design
208.249.7268
Nampa, ID

SHEET NUMBER
A17
PAGE 17 OF 24

RE REAR ELEVATION
1/4 IN = 1 FT



RT RIGHT ELEVATION
1/4 IN = 1 FT

SHEET INDEX

PAGE	
A1	TITLE
A2	COVER SHEET
A3	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR RENDERINGS

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

SHEET SIZE
36" x 48"

INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025

DRAWN BY:
Steve

ELEVATIONS

SMC Design
208.249.7286
Nampa, ID

SHEET NUMBER
A18
PAGE 18 OF 24

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR BEAM REFERENCE

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 24 T18N R3E VALLEY CO.,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 AVTTIME THEREAFTER.

SHEET SIZE 36" × 48"

DRAWN BY: Steve
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025

SECTION VIEWS

SMC Design
208 244.7288
Nampa, ID

SHEET NUMBER A19
PAGE 19 OF 24

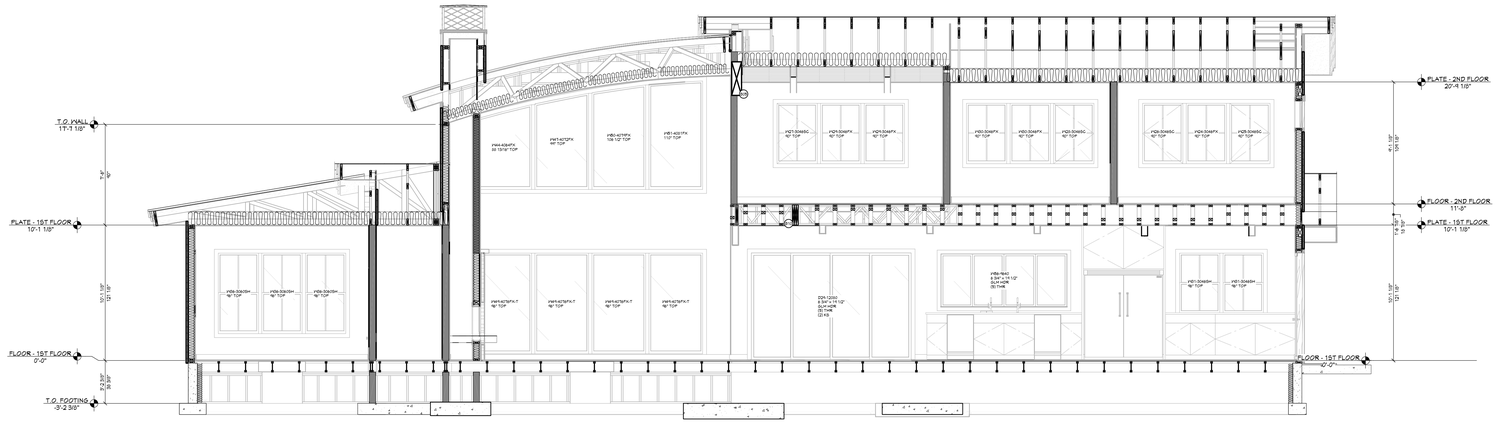
SHEET INDEX

PAGE	
A1	TITLE
A2	COVER SHEET
A3	SITE PLAN
A4	SITE PLAN - ENLARGED
A5	FLOOR PLAN - 1ST LEVEL
A6	FLOOR PLAN - 2ND LEVEL
A7	FOUNDATION
A8	DETAIL VIEWS
A9	FABRICATED COMPONENTS
A10	FABRICATED COMPONENTS
A11	WALL BRACING - 1ST LEVEL
A12	WALL BRACING - 2ND LEVEL
A13	FLOOR LAYOUT - 1ST LEVEL
A14	FLOOR LAYOUT - 2ND LEVEL
A15	ROOF LAYOUT - 1ST LEVEL
A16	ROOF LAYOUT - 2ND LEVEL
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

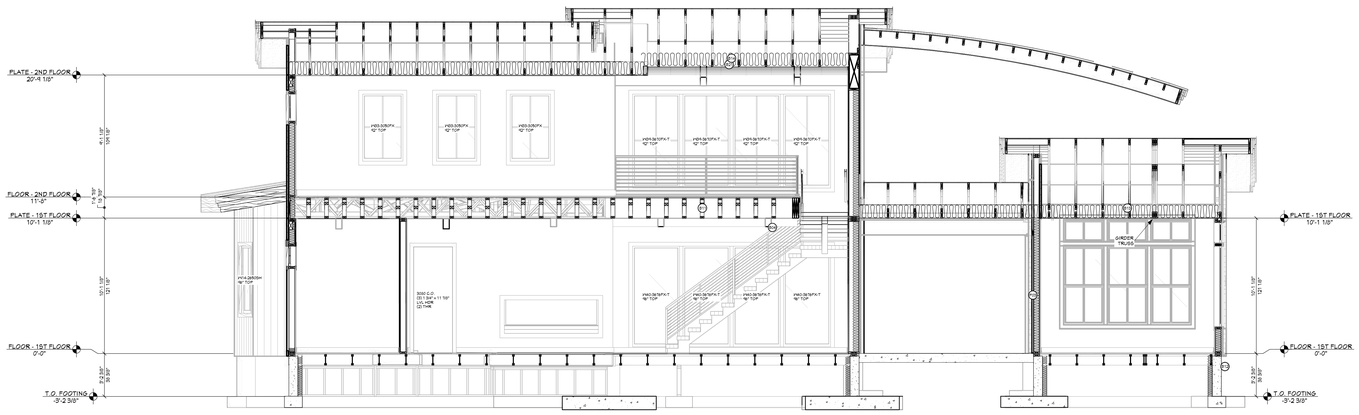
DOOR SCHEDULE					
NO.	QTY.	FLR.	WIDTH	HEIGHT	NOTES
P1	1	1	2'-0"	6'-8"	
P2	1	1	2'-6"	6'-8"	
P3	1	1	2'-8"	6'-8"	
P4	1	1	3'-0"	6'-8"	
P5	1	1	3'-0"	6'-8"	
P6	1	1	3'-0"	6'-8"	
P7	1	1	3'-0"	6'-8"	
P8	1	1	3'-0"	6'-8"	
P9	1	1	3'-0"	6'-8"	
P10	1	1	3'-0"	6'-8"	

HEADER SCHEDULE		
NO.	TYPE	QTY.
H1	(2) 1.75 X 9.25 LVL	1
H2	(2) 1.75 X 11.88 LVL	1
H3	(2) 1.75 X 14 LVL	1
H4	(2) 1.75 X 16 LVL	1
H5	(3) 1.75 X 9.25 LVL	1
H6	(3) 1.75 X 11.88 LVL	1
H7	(3) 1.75 X 14 LVL	1
H8	(3) 1.75 X 16 LVL	1
H9	(4) 1.75 X 9.25 LVL	1
H10	(4) 1.75 X 11.88 LVL	1
H11	(4) 1.75 X 14 LVL	1
H12	(4) 1.75 X 16 LVL	1

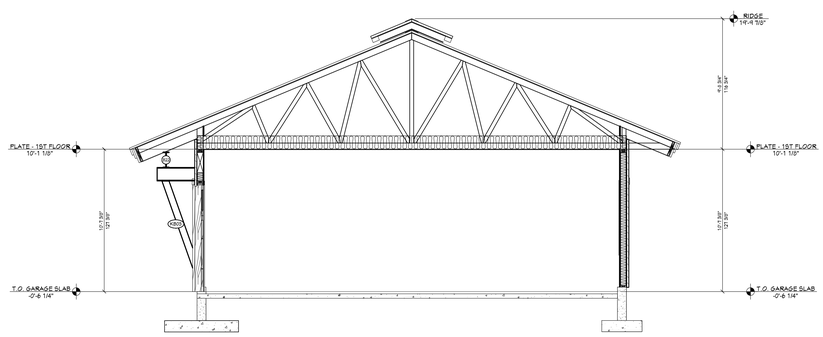
| BEAM SCHEDULE | | | | |



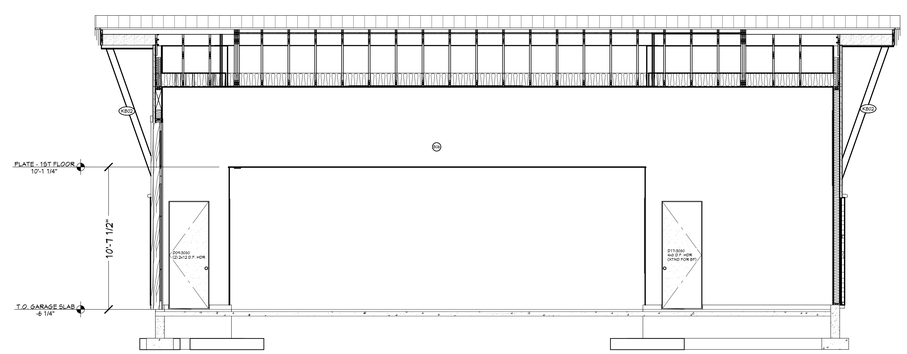
D VIEW D - D
1/4 IN = 1 FT



E VIEW E - E
1/4 IN = 1 FT



F VIEW F - F
1/4 IN = 1 FT



G VIEW G - G
1/4 IN = 1 FT

POST SCHEDULE			
NO.	QTY	FLR	NOTES
P01	5	1	SQUANN BM 1 & 7
P02	3	1	SQUANN BM 4-4
P03	3	1	SQUANN BM 4-1-3
P04	1	1	SQUANN BM 6-2
P05	1	1	SQUANN BM 7-4
P06	1	1	SQUANN BM 15-2
P07	1	1	SQUANN BM 15-1
P08	1	1	SQUANN BM 13-2
P09	1	1	SQUANN BM 15-1
P10	1	1	SQUANN BM 18-2

HEADER SCHEDULE	
NO.	TYPE
H01	(1) 4X6 D F
H02	(1) 4X10 D F
H03	(1) 5 1/2 X 10 GLM
H04	(1) 8 3/4 X 11 1/2 GLM
H05	(1) 6X10 D F
H06	(2) 1 3/4 X 11 7/8 LVL
H07	(2) 2X12 D F
H08	(3) 1 3/4 X 11 7/8 LVL
H09	(3) 1 3/4 X 9 1/2 LVL
H10	(3) 1 3/4 X 11 7/8 LVL
H11	(3) 1 3/4 X 11 7/8 LVL
H12	(3) 1 3/4 X 14 LVL
H13	(3) 1 3/4 X 16 LVL

BEAM SCHEDULE								
NO.	FLR	PLY(S)	NOTES	CTR. LG +/-	MIN BRG	T.O. BEAM	B.O. BEAM	CALC #
B01	1	1	(B-01) 5 3/4 X 14 1/8 - (VI14X30 ARQ2.50	42'-5"		4'-11 5/8"	3'-9 1/8"	1
B02	1	2	(B-02) 1 3/4 X 18 MICRO/LAM LVL	7'-11 1/2"		11'-1 1/8"	10'-1 1/8"	2
B03	1	3	(B-03) 1 3/4 X 18 MICRO/LAM LVL	28'-4 3/8"		11'-1 1/8"	10'-1 1/8"	3
B04	1	1	(B-04) 5 X 13 11/16 - (VI14X22 ARQ2.50	42"		4'-11 5/8"	3'-9 7/8"	4
B05	2	1	(B-05) 5 3/4 X 30 GLULAM	29'-3 3/4"		22'-3 1/8"	14'-4 1/8"	5
B06	1	1	(B-06) 5 3/4 X 36 GLULAM	33'-2 1/8"		19'-1 1/8"	10'-1 1/8"	6
B07	1	1	(B-07) 5 3/4 X 14 1/8 - (VI14X30 ARQ2.50	39'-11 5/8"		4'-11 5/8"	3'-9 1/2"	7
B08	1	1	(B-08) 5 3/4 X 14 1/8 - (VI14X30 ARQ2.50	5'-10 3/4"		4'-11 5/8"	3'-9 1/2"	8
B09	1	2	(B-09) 1 3/4 X 18 MICRO/LAM LVL	18'-10 1/2"		11'-1 1/8"	10'-1 1/8"	9
B10	1	3	(B-10) 1 3/4 X 18 MICRO/LAM LVL	23'-10"		11'-1 1/8"	10'-1 1/8"	10
B11	1	2	(B-11) 1 3/4 X 18 MICRO/LAM LVL	13'-5 1/4"		11'-1 1/8"	10'-1 1/8"	11
B12	0	1	(B-12) 6X10 D F #2 (1-PLY)	4'		-0'-0 7/8"	-0'-10 3/8"	12
B13	1	1	(B-13) 5 3/4 X 18 GLULAM	14'		11'-1 1/8"	10'-1 1/8"	13
B14	2	1	(B-14) 5 3/4 X 30 GLULAM OR BOX GIRDER	19'		25'-3 1/8"	20'-4 1/8"	14
B15	1	3	(B-15) 1 3/4 X 11 7/8 MICRO/LAM LVL	11'-1 3/4"		4'-10 3/8"	4'-1 1/8"	15
B16	1	1	(B-16) 5 3/4 X 14 1/8 - (VI14X30 ARQ2.50	11'-4 1/8"		15'-10 1/8"	14'-5"	16
B17	1	1	(B-17) 5 3/4 X 14 1/8 - (VI14X30 ARQ2.50	11'-4"		12'-9"	11'-2 7/8"	17
B18	1	1	(B-18) 5 X 13 11/16 - (VI14X22 ARQ2.50	14'-10"		4'-5 5/8"	3'-3 7/8"	18
B19	1	1	(B-19) 5 X 13 11/16 - (VI14X22 ARQ2.50	8'-11 5/8"		10'-4 1/8"	9'-3 1/4"	19
B20	0	15	(B-20GS) 4X10 D F #2 (CRAWL SPACE HDRS) (1-PLY)	3'-6"		-0'-0 1/8"	-0'-10 1/8"	20GS
B21	2	1	(B-21) 5 X 13 11/16 - (VI14X22 ARQ2.50 (GSSMETIC)	29'-8"		20'-1 3/8"	20'-11 5/8"	21F
B22	1	1	(B-22F) 5 X 13 11/16 - (VI14X22 ARQ2.50 (GSSMETIC)	28'-7 1/4"		4'-10 3/8"	3'-8 3/4"	22F
B23	2	1	(B-23F) 6 X 12 D F (GSSMETIC)					23F
B24	1	4	(B-24F) 6 X 10 D F (GSSMETIC) (1-PLY)					24F
B25	2	5	(B-25F) 6 X 10 D F (GSSMETIC)					25F
B26	1	1	(B-26F) 6 X 13 D F (GSSMETIC)					26F
B27	1	4	(B-27F) 6 X 8 D F (GSSMETIC)					27F

SHEET INDEX	
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR BEAM REFERENCE

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., ID

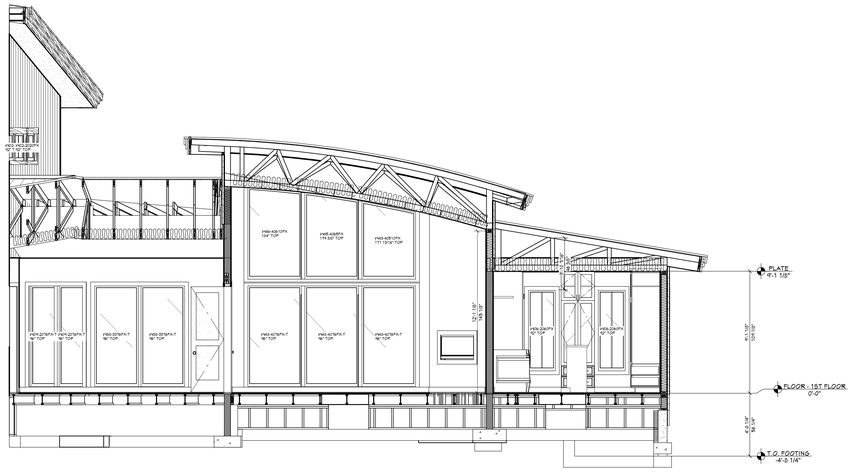
CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.

DRAWN BY: Steve
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025
SHEET SIZE 36" x 48"

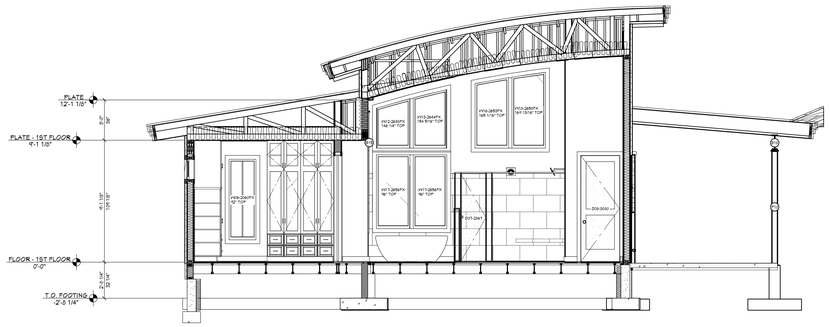
SECTION VIEWS

SMC Design
SMC Design
208.244.7268
Nampa, ID

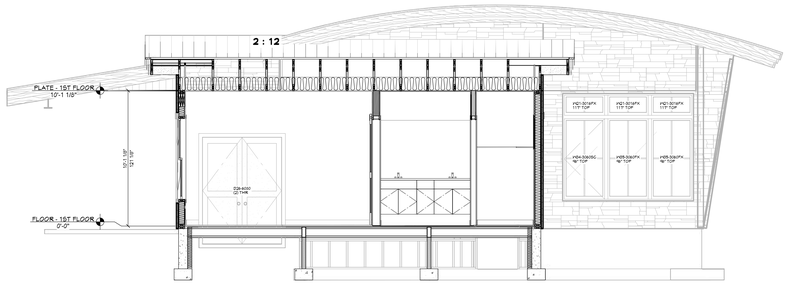
SHEET NUMBER
A20
PAGE 20 OF 24



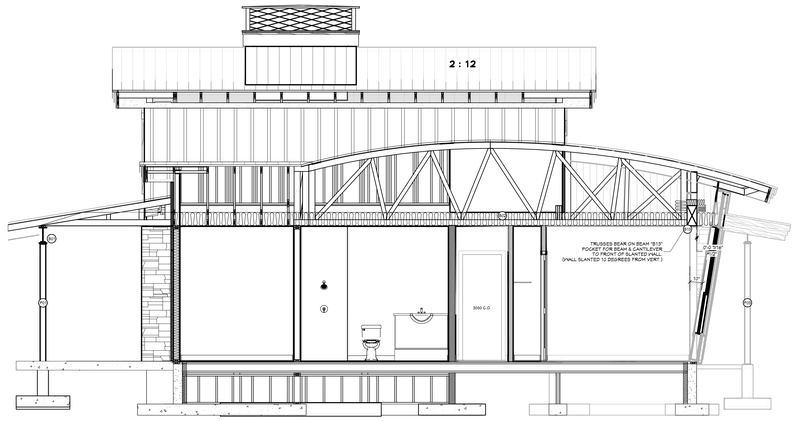
H VIEW H - H
1/4 IN = 1 FT



I VIEW I - I
1/4 IN = 1 FT



J VIEW J - J
1/4 IN = 1 FT

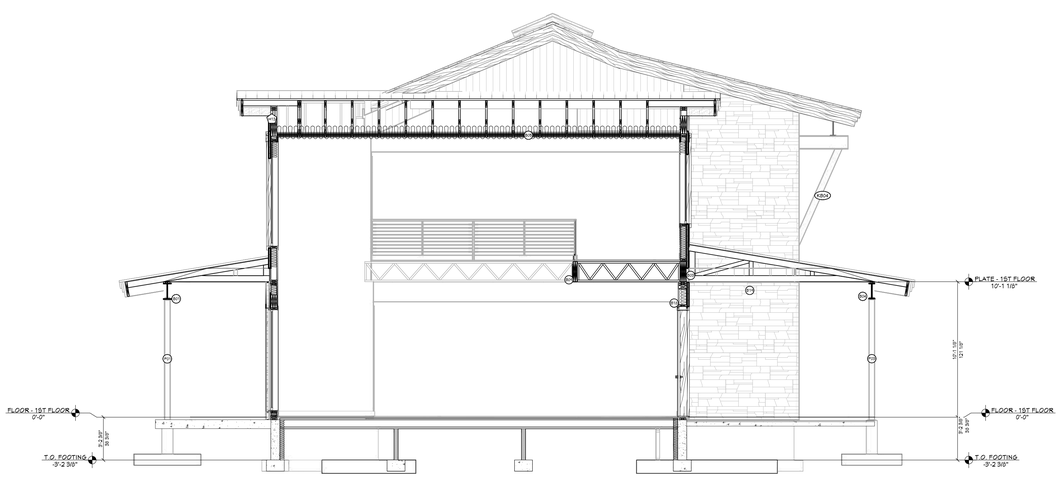


K VIEW K - K
1/4 IN = 1 FT

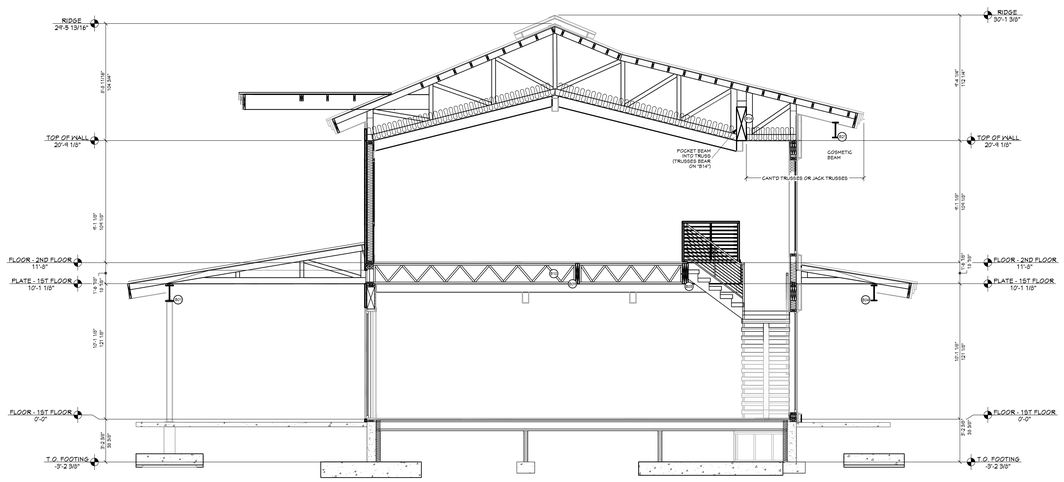
FOOT SCHEDULE			
NO	QTY	FLR	NOTES
FD1	5	1	COLUMN BM 1 & 7
FD2	1	1	COLUMN BM 4-4
FD3	3	1	COLUMN BM 4.1-3
FD4	1	1	COLUMN BM 5-2
FD5	1	1	COLUMN BM 16-1
FD6	1	1	COLUMN BM 15-2
FD7	1	1	COLUMN BM 11-2
FD8	1	1	COLUMN BM 11-3
FD9	1	1	COLUMN BM 13-2
FD10	1	1	COLUMN BM 13-3

HEADER SCHEDULE	
NO	TYPE
HD1	(1) 4X6 D.F.
HD2	(1) 4x10 D.F.
HD3	(1) 1 1/2 X 16 GLM
HD4	(1) 8 3/4 X 16 1/2 GLM
HD5	(1) 6X10 D.F.
HD6	(2) 1 3/4 X 4 1/4 LVL
HD7	(2) 2X12 D.F.
HD8	(3) 1 3/4 X 4 1/4 LVL
HD9	(3) 1 3/4 X 7 9/16 LVL
HD10	(3) 1 3/4 X 9 1/4 LVL
HD11	(3) 1 3/4 X 11 7/8 LVL
HD12	(3) 1 3/4 X 14 LVL
HD13	(3) 1 3/4 X 16 LVL

BEAM SCHEDULE								
NO	FLR	PLY(S)	NOTES	CTR. LG +/-	MIN BRG	T.O. BEAM	B.O. BEAM	CALC #
B01	1	1	(8-21) 5 3/4 X 14 1/8 - (X14)(SS) ARSQ-50	42'-5"		4'-11 5/8"	5'-4 1/2"	1
B02	1	2	(8-22) 1 3/4 X 18 MICRO=LAM LVL	7'-11 1/2"		11'-1 1/8"	10'-1 1/8"	2
B03	1	3	(8-23) 1 3/4 X 18 MICRO=LAM LVL	11'-1 1/8"		11'-1 1/8"	10'-1 1/8"	3
B04	1	1	(8-24) 5 1/4 X 13 11/16 - (X14)(X22) ARSQ-50	42'		4'-11 5/8"	5'-4 7/8"	4
B05	2	1	(8-25) 3 3/4 X 30 GLU-LAM	29'-3 3/4"		22'-3 1/8"	14'-8 1/8"	5
B06	1	1	(8-26) 5 3/4 X 36 GLU-LAM	35'-0 1/8"		13'-1 1/8"	10'-1 1/8"	6
B07	1	1	(8-27) 5 3/4 X 14 1/8 - (X14)(SS) ARSQ-50	38'-11 3/8"		4'-11 5/8"	5'-4 1/2"	7
B08	1	1	(8-28) 5 3/4 X 14 1/8 - (X14)(SS) ARSQ-50	8'-10 3/4"		4'-11 5/8"	5'-4 1/2"	8
B09	1	2	(8-29) 1 3/4 X 18 MICRO=LAM LVL	10'-0 7/8"		11'-1 1/8"	10'-1 1/8"	9
B10	1	3	(8-30) 1 3/4 X 18 MICRO=LAM LVL	4'-1 3/8"		11'-1 1/8"	10'-1 1/8"	10
B11	1	2	(8-11) 1 3/4 X 18 MICRO=LAM LVL	19'-9 1/4"		11'-1 1/8"	10'-1 1/8"	11
B12	0	1	(8-32) 6X10 D.F. EQ. (1-PLY)	4'		-0'-0 5/8"	-0'-10 3/8"	12
B13	1	1	(8-13) 5 3/4 X 18 GLU-LAM	14'		11'-1 1/8"	10'-1 1/8"	13
B14	2	1	(8-14) 5 3/4 X 30 GLU-LAM - OR BOX GIRDER	14'		27'-3 1/8"	25'-4 1/8"	14
B15	1	3	(8-15) 1 3/4 X 14 1/4 MICRO=LAM LVL	11'-1 3/4"		4'-1 1/8"	3'-1 1/8"	15
B16	1	1	(8-16) 5 3/4 X 14 1/8 - (X14)(SS) ARSQ-50	11'-4 1/8"		15'-10 1/8"	14'-5"	16
B17	1	1	(8-17) 8 3/4 X 14 1/8 - (X14)(SS) ARSQ-50	11'-4"		12'-9"	11'-2 7/8"	17
B18	1	1	(8-12) 5 1/4 X 13 11/16 - (X14)(X22) ARSQ-50	19'-10"		4'-9 3/8"	3'-3 7/8"	18
B19	1	1	(8-18) 5 1/4 13 11/16 - (X14)(X22) ARSQ-50	8'-11 5/8"		10'-4 1/8"	9'-3 1/4"	19
B20	0	15	(8-20) 6 X10 D.F. EQ.(CRAWL SPACE HDR3) (1-PLY)	3'-6"		-0'-2 7/8"	-0'-10 7/8"	20/25
B21	2	1	(8-21) 5 1/4 X 13 11/16 - (X14)(X22 ARSQ-50 (COSMETIC)	23'-6"		22'-1 3/8"	20'-11 5/8"	21F
B22	1	1	(8-22) 5 1/4 X 13 11/16 - (X14)(X22 ARSQ-50 (COSMETIC)	20'-1 1/4"		4'-10 3/8"	3'-2 3/4"	22F
B23	2	4	(8-23) 6 X 10 D.F. (COSMETIC)					23F
B24	2	4	(8-24) 6 X 10 D.F. (COSMETIC) (1-PLY)					24F
B25	2	5	(8-25) 6 X 10 D.F. (COSMETIC)					25F
B26	1	3	(8-26) 6 X 10 D.F. (COSMETIC)					26F
B27	1	4	(8-27) 6 X 8 D.F. (COSMETIC)					27F



L VIEW L - L
1/4 IN = 1 FT



M VIEW M - M
1/4 IN = 1 FT

SHEET INDEX	
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR BEAM REFERENCE

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

SECTION VIEWS

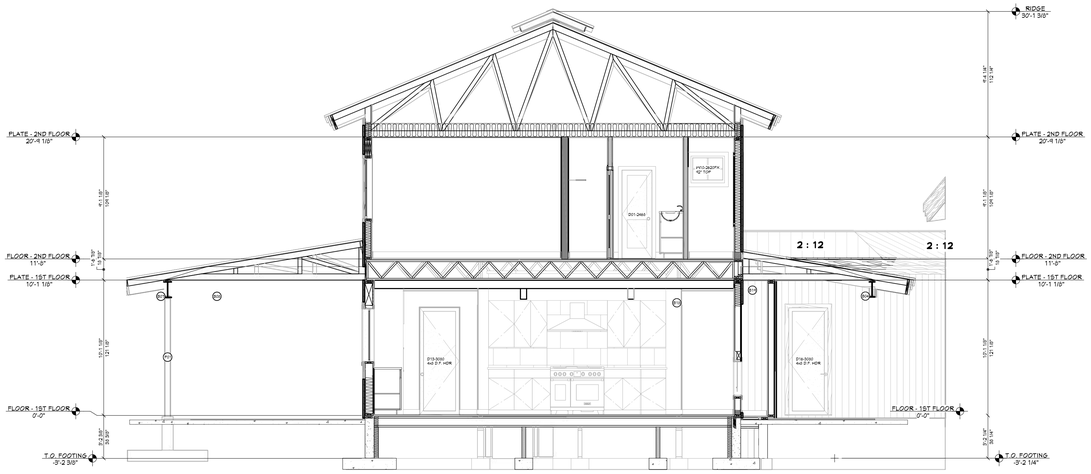
SHEET SIZE
36" x 48"

INITIAL DATE: 11/6/2025
PRINT DATE: 10/30/2025

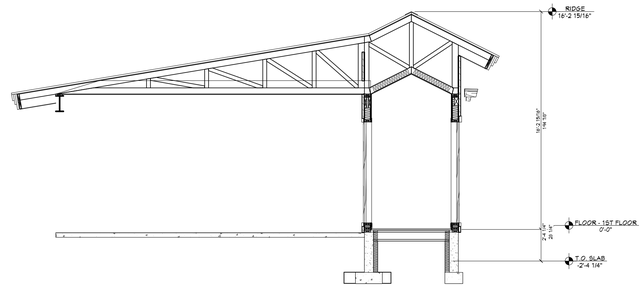
DRAWN BY:
Steve

SMC Design
SMC Design
208.249.7286
Nampa, ID

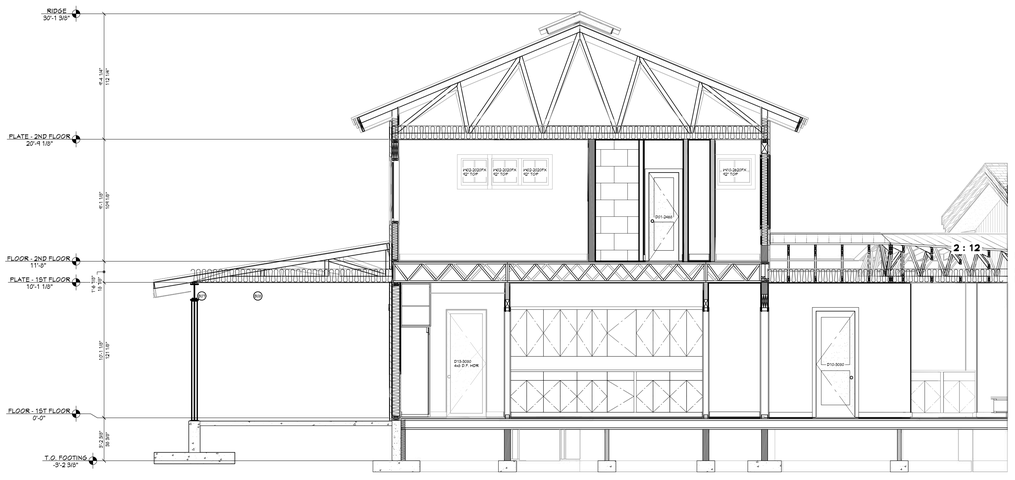
SHEET NUMBER
A21
PAGE 21 OF 24



N VIEW N - N
1/4 IN = 1 FT



P VIEW P - P
1/4 IN = 1 FT



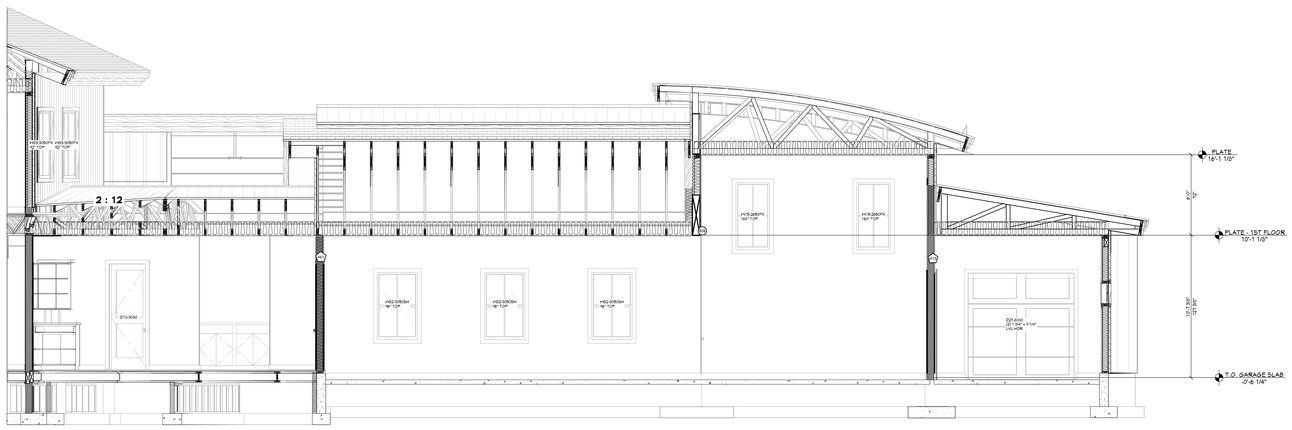
O VIEW O - O
1/4 IN = 1 FT

POST SCHEDULE			
NO.	QTY	FLR	NOTES
P01	5	1	COLUMN BM 1 & 3
P02	1	1	COLUMN BM 4-4
P03	3	1	COLUMN BM 4-1 &
P04	1	1	COLUMN BM 5-2
P05	1	1	COLUMN BM 18-1
P06	1	1	COLUMN BM 16-2
P07	1	1	COLUMN BM 15-1
P08	1	1	COLUMN BM 17-2
P09	1	1	COLUMN BM 15-1
P10	1	1	COLUMN BM 15-2

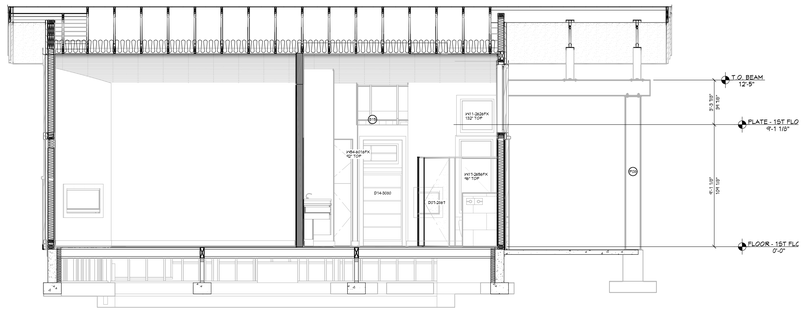
HEADER SCHEDULE	
NO.	TYPE
H01	(1) 4X10 D F
H02	(1) 6X10 D F
H03	(1) 5 1/2 X 10 GLM
H04	(1) 8 3/4 X 14 1/2 GLM
H05	(1) 8X10 D F
H06	(2) 1 3/4 X 9 1/4 LVL
H07	(2) 2X12 D F
H08	(3) 1 3/4 X 9 1/4 LVL
H09	(3) 1 3/4 X 9 1/2 LVL
H10	(3) 1 3/4 X 11 1/4 LVL
H11	(3) 1 3/4 X 11 7/8 LVL
H12	(3) 1 3/4 X 14 LVL
H13	(3) 1 3/4 X 16 LVL

BEAM SCHEDULE								
NO	FLR	PLY(S)	NOTES	CTR. LG +/-	MIN BRG	T.O. BEAM	B.O. BEAM	CALC #
B01	1	1	(8-01) 1 3/4 X 14 7/8 - INTAX50 AWQ-50	42'-5"		6'-11 5/8"	5'-4 1/2"	1
B02	1	2	(8-02) 1 3/4 X 18 MICRO.LAM LVL	7'-11 1/2"		11'-3 1/8"	10'-1 1/8"	2
B03	1	3	(8-03) 1 3/4 X 18 MICRO.LAM LVL	28'-4 3/8"		11'-3 1/8"	10'-1 1/8"	3
B04	1	1	(8-04) 5 X 13 11/16 - PITAX22 AWQ-50	42'		6'-11 5/8"	5'-4 1/2"	4
B05	2	1	(8-05) 1 3/4 X 20 .5 LAM	29'-3 3/4"		22'-3 1/8"	21'-4 1/8"	5
B06	1	1	(8-06) 1 3/4 X 36 .5 LAM	39'-0 1/8"		18'-1 1/8"	10'-1 1/8"	8
B07	1	1	(8-07) 1 3/4 X 14 1/8 - INTAX50 AWQ-50	35'-11 3/8"		6'-11 5/8"	5'-4 1/2"	9
B08	1	1	(8-08) 1 3/4 X 14 1/8 - INTAX50 AWQ-50	41'-10 3/8"		6'-11 5/8"	5'-4 1/2"	10
B09	1	2	(8-09) 1 3/4 X 18 MICRO.LAM LVL	19'-0 1/8"		11'-3 1/8"	10'-1 1/8"	11
B10	1	3	(8-10) 1 3/4 X 18 MICRO.LAM LVL	42'-10"		11'-3 1/8"	10'-1 1/8"	12
B11	1	2	(8-11) 1 3/4 X 18 MICRO.LAM LVL	19'-9 1/8"		11'-3 1/8"	10'-1 1/8"	13
B12	0	1	(8-12) 8X10 D F #2 (FLAT)	4'		+0'-0 7/8"	-0'-10 3/8"	14
B13	1	1	(8-13) 1 3/4 X 18 .5 LAM	14'		19'-3 1/8"	18'-1 1/8"	15
B14	2	1	(8-14) 1 3/4 X 20 .5 LAM - OR BOX GIRDER	14'		19'-3 1/8"	18'-1 1/8"	16
B15	1	3	(8-15) 1 3/4 X 11 7/8 MICRO.LAM LVL	11'-1 3/4"		9'-10 3/8"	9'-1 1/8"	17
B16	1	1	(8-16) 8 3/4 X 14 1/8 - INTAX50 AWQ-50	11'-4 1/8"		18'-1 1/8"	14'-8"	18
B17	1	1	(8-17) 8 3/4 X 14 1/8 - INTAX50 AWQ-50	11'-4"		12'-3"	11'-2 7/8"	19
B18	1	1	(8-18) 8 X 13 11/16 - PITAX22 AWQ-50	18'-10"		6'-5 5/8"	5'-8 1/8"	13
B19	1	1	(8-19) 8 X 13 11/16 - PITAX22 AWQ-50	6'-11 5/8"		10'-4 1/8"	9'-5 3/4"	16
B20	0	19	(8-20) 5 1/4X10 D F #2 CAN'L SPACE HORS) (1-PLY)	5'-8"		-0'-6 1/8"	-0'-11 1/8"	20&5
B21	2	1	(8-21) 5 X 13 11/16 - PITAX22 AWQ-50 (COSMETIC)	29'-6"		20'-1 3/8"	20'-11 5/8"	21F
B22	1	1	(8-22) 5 X 13 11/16 - PITAX22 AWQ-50 (COSMETIC)	28'-1 1/4"		9'-10 5/8"	8'-9 3/4"	22F
B23	2	1	(8-23) 6 X 12 D F (COSMETIC)					23F
B24	1	4	(8-24) 6 X 12 D F (COSMETIC) (1-PLY)					24F
B25	2	5	(8-25) 6 X 10 D F (COSMETIC)					25F
B26	1	1	(8-26) 6 X 12 D F (COSMETIC)					26F
B27	1	4	(8-27) 6 X 8 D F (COSMETIC)					27F

SHEET INDEX	
PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL



Q VIEW Q - Q
1/4 IN = 1 FT



R VIEW R - R
1/4 IN = 1 FT

SCAN FOR CURRENT PLAN

SCAN FOR ENGINEERED CALCS

SCAN FOR BEAM REFERENCE

ENGINEER STAMP AREA

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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 AFTER.

SHEET SIZE
36" X 48"

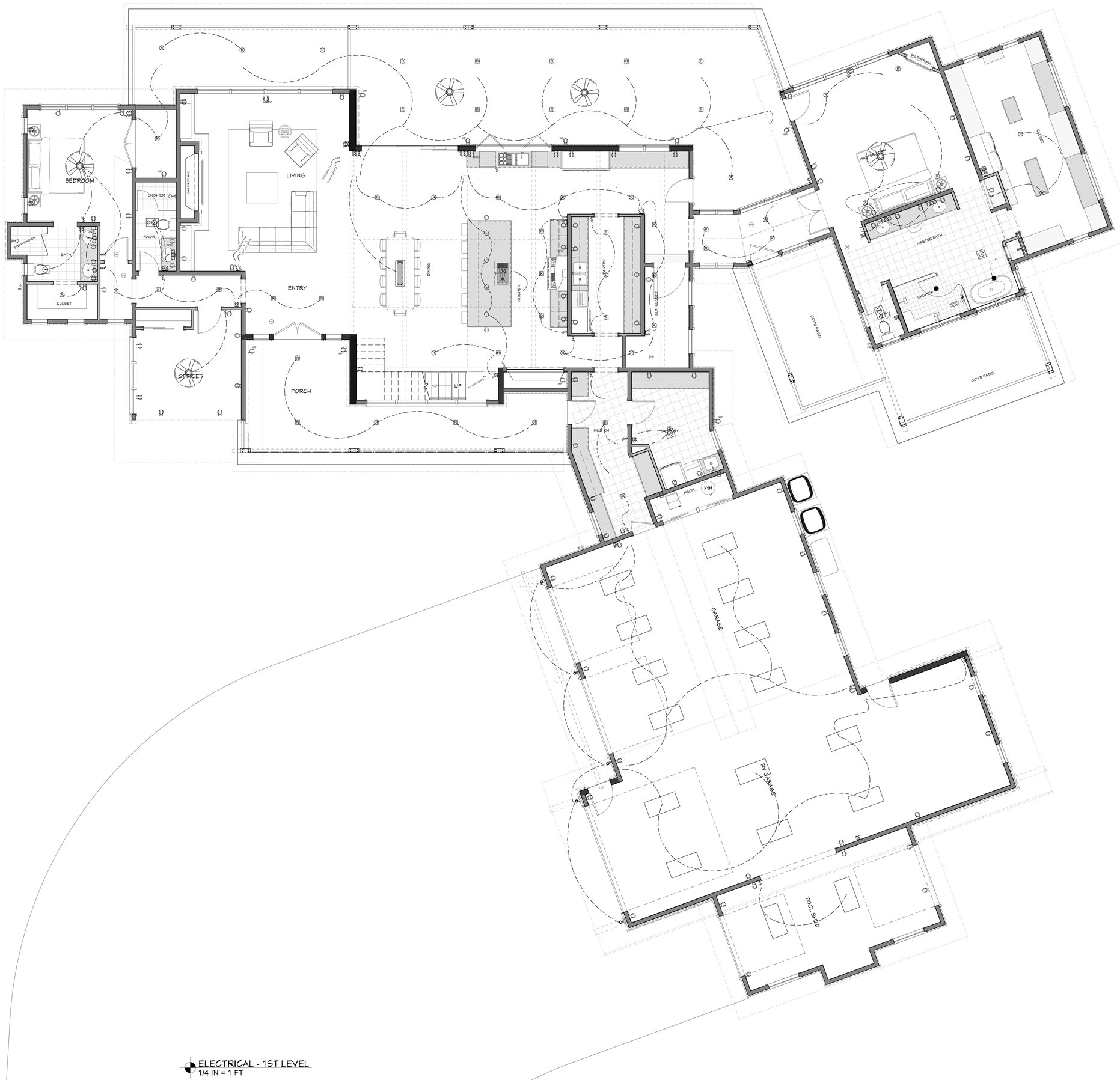
DRAWN BY:
Steve

INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025

SECTION VIEWS

SMC Design
SMC Design
208.249.7288
Nampa, ID

SHEET NUMBER
A22
PAGE 22 OF 24



ELECTRICAL - 1ST LEVEL
1/4 IN = 1 FT

EXTERIOR LIGHTING NOTES:

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

(A) Luminaires With Maximum Output Of One Thousand Lumens: Luminaires 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 section 3.14.05, figure 3 of this chapter.)

(B) Floodlights: 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 section 3.14.05, figure 6 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.

(C) Residential Holiday Lighting: Residential holiday lighting from November 1 to February 1. Flashing holiday lights on residential properties are discouraged. Holiday lights are encouraged to be turned off by eleven o'clock (11:00) P.M.

(D) Commercial Holiday Lighting: Commercial holiday lighting from November 1 to March 15. Holiday lights are encouraged to be controlled by timers.

(E) Sensor Activated Luminaires: Sensor activated luminaires shall be permitted, 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.

4. Full cutoff luminaires are used with the light source downcast and fully shielded.

(F) Emergency Lighting: Vehicular lights and all temporary emergency lighting needed by the fire and police departments, or other emergency services.

(G) Uplighting For Flags: Uplighting for flags, provided the flag is of a government and the maximum lumen output is one thousand three hundred (1,300) lumens. Flags are encouraged to be taken down at sunset to avoid the need for lighting.

(H) Lighting Of Communication Towers: Lighting of radio, communication and navigation towers, provided the owner or occupant demonstrates that the federal aviation administration (FAA) regulations can only be met through the use of lighting that does not comply with this chapter.

(I) Airport Lighting: Lighting at the McCall Municipal Airport, provided the owner or occupant demonstrates that the federal aviation administration (FAA) regulations can only be met through the use of lighting that does not comply with this chapter.

(J) Neon Lights: Neon lights permitted pursuant to chapter 9, "Signs", of this title.

(K) Luminaires Used For Playing Fields: Luminaires used for playing fields shall be exempt from the height restriction, provided all other provisions of this chapter are met and the light is used only while the field is in use. (Ord. 960, 2-11-2016)

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)(1/3), 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 (3x3 = 12+3=15)
12 feet	21 feet (2*3 = 6+3=12)
9 feet	10 feet (1)(3) = 6+3=9)

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

2013 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

THE PROPOSED BUILDING HAS BEEN DESIGNED TO MEET OR EXCEED THE REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE

TABLE N1102.1.1 (R402.1.2)

INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT							
CLIMATE ZONE	FENESTRATION U-FACTOR	CEILING R-VALUE	WOOD WALL R-VALUE	FLOOR R-VALUE	SLAB R-VALUE	CRAWL SPACE R-VALUE	
6	.30	49	20+5 OR 13+10	30	10, 4FT	15/19	

ELECTRICAL SCHEDULE				
NUMBER	QTY		2ND FLOOR	DESCRIPTION
E01	3			220V
E02	2		2	BRYANT SCONCE 3
E03	5		1	BRYANT SCONCE 3
E04	4	CO/SMK	1	CO/SMOKE DETECTOR
E05	5	GFCI	1	DECORATOR GFCI OUTLET
E06	2	GFCI	2	DECORATOR GFCI OUTLET
E07	90		1	DECORATOR OUTLET
E08	24		2	DECORATOR OUTLET
E09	23		1	DECORATOR SWITCH
E10	4		2	DECORATOR SWITCH
E11	19	3	1	DECORATOR SWITCH 3-WAY
E12	13	3	2	DECORATOR SWITCH 3-WAY
E13	17	4	1	DECORATOR SWITCH 4-WAY
E14	3	4	2	DECORATOR SWITCH 4-WAY
E15	12		1	DUPLEX (WEATHERPROOF)
E16	1		2	DUPLEX (WEATHERPROOF)
E17	4		1	ENGINEER'S TABLE LAMP
E18	2		2	ENGINEER'S TABLE LAMP
E19	3		1	EXHAUST
E20	1		2	EXHAUST (LIGHT)
E21	2		1	EXHAUST (LIGHT)
E22	3		2	MARKER CEILING FAN
E23	5		1	MARKER CEILING FAN
E24	6		1	PORCH LIGHT
E25	1		2	PROPEL 5 CEILING FAN
E26	58	R	1	RECESSED DOWN LIGHT 6
E27	32	R	2	RECESSED DOWN LIGHT 6
E28	2		1	RECESSED VAPOR LIGHT
E29	4		1	SMALL CONE PENDANT
E30	2	SD	1	SMOKE DETECTOR
E31	2	SD	2	SMOKE DETECTOR
E32	16		1	SURFACE MOUNTED TUBE LIGHT - MEDIUM 4 WIDE

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 24 T18N R3E VALLEY CO., 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.

SHEET SIZE 36" × 48"

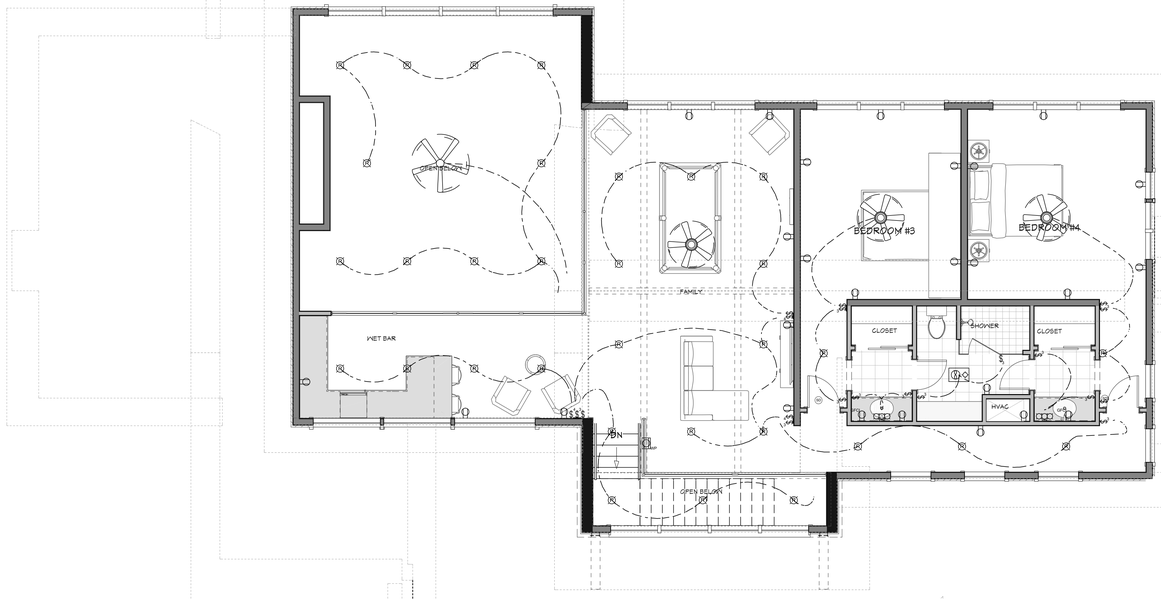
INITIAL DATE: 7/6/2025
PRINT DATE: 10/30/2025

DRAWN BY: Steve

ELECTRICAL - 2ND LEVEL

SMC Design
SMC Design
208.249.7268
Nampa, ID

SHEET NUMBER
E1
PAGE 23 OF 24



ELECTRICAL - 2ND LEVEL
1/4 IN = 1 FT

EXTERIOR LIGHTING NOTES:

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

(A) Luminaires With Maximum Output Of One Thousand Lumens: Luminaires 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 section 3.14.05, figure 3 of this chapter.)

(B) Floodlights: 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 section 3.14.05, figure B 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.

(C) Residential Holiday Lighting: Residential holiday lighting from November 1 to February 1. Flashing holiday lights on residential properties are discouraged. Holiday lights are encouraged to be turned off by eleven o'clock (11:00) P.M.

(D) Commercial Holiday Lighting: Commercial holiday lighting from November 1 to March 15. Holiday lights are encouraged to be controlled by timers.

(E) Sensor Activated Luminaires: Sensor activated luminaires shall be permitted, 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

4. Full cutoff luminaires are used with the light source downcast and fully shielded.

(F) Emergency Lighting: Vehicular lights and all temporary emergency lighting needed by the fire and police departments, or other emergency services.

(G) Uplighting For Flags: Uplighting for flags, provided the flag is of a government and the maximum lumen output is one thousand three hundred (1,300) lumens. Flags are encouraged to be taken down at sunset to avoid the need for lighting.

(H) Lighting Of Communication Towers: Lighting of radio, communication and navigation towers, provided the owner or occupant demonstrates that the federal aviation administration (FAA) regulations can only be met through the use of lighting that does not comply with this chapter.

(I) Airport Lighting: Lighting at the McCall Municipal Airport, provided the owner or occupant demonstrates that the federal aviation administration (FAA) regulations can only be met through the use of lighting that does not comply with this chapter.

(J) Neon Lights: Neon lights permitted pursuant to chapter 9, "Signs", of this title.

(K) Luminaires Used For Playing Fields: Luminaires used for playing fields shall be exempt from the height restriction, provided all other provisions of this chapter are met and the light is used only while the field is in use. (Ord. 940, 2-11-2016)

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), 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	21 feet (27/3 = 9+3=12)
9 feet	18 feet (15/3 = 6+3=9)

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

2013 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

THE PROPOSED BUILDING HAS BEEN DESIGNED TO MEET OR EXCEED THE REQUIREMENTS OF THE INTERNATIONAL ENERGY CONSERVATION CODE

TABLE N1102.1.1 (R402.1.2)

	INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT						
CLIMATE ZONE	FENESTRATION U-FACTOR	CEILING R-VALUE	WOOD WALL R-VALUE	FLOOR R-VALUE	SLAB R-VALUE	CRAWL SPACE WALL R-VALUE	
6	.30	49	20+5 OR 13+10	30	10, 4FT	15/19	

ELECTRICAL SCHEDULE				
NUMBER	QTY	2D SYM BOL	FLOOR	DESCRIPTION
E01	3		1	220V
E02	2		2	BRYANT SCONCE 3
E03	5		1	BRYANT SCONCE 3
E04	4	COMBO	1	COSMOKE DETECTOR
E05	5	GFCI	1	DECORATOR GFCI OUTLET
E06	2	GFCI	2	DECORATOR GFCI OUTLET
E07	90		1	DECORATOR OUTLET
E08	24		2	DECORATOR OUTLET
E09	23	S	1	DECORATOR SWITCH
E10	4	S	2	DECORATOR SWITCH
E11	19	S3	1	DECORATOR SWITCH 3-WAY
E12	13	S3	2	DECORATOR SWITCH 3-WAY
E13	17	S4	1	DECORATOR SWITCH 4-WAY
E14	3	S4	2	DECORATOR SWITCH 4-WAY
E15	12	WP	1	DUPLEX (WEATHERPROOF)
E16	1	WP	2	DUPLEX (WEATHERPROOF)
E17	4		1	ENGINEER'S TABLE LAMP
E18	2		2	ENGINEER'S TABLE LAMP
E19	3		1	EXHAUST
E20	1	LIGHT	2	EXHAUST (LIGHT)
E21	2	LIGHT	1	EXHAUST (LIGHT)
E22	3		2	MARKER CEILING FAN
E23	5		1	MARKER CEILING FAN
E24	6		1	PORCH LIGHT
E25	1		2	PROPEL 5 CEILING FAN
E26	56	R	1	RECESSED DOWN LIGHT 6
E27	32	R	2	RECESSED DOWN LIGHT 6
E28	2		1	RECESSED VAPOR LIGHT
E29	4		1	SMALL CONE PENDANT
E30	2	SD	1	SMOKE DETECTOR
E31	2	SD	2	SMOKE DETECTOR
E32	16		1	SURFACE MOUNTED TUBE LIGHT - MEDIUM 4 WIDE

SHEET INDEX

PAGE	TITLE
A1	COVER SHEET
A2	SITE PLAN
A3	SITE PLAN - ENLARGED
A4	FLOOR PLAN - 1ST LEVEL
A5	FLOOR PLAN - 2ND LEVEL
A6	FOUNDATION
A7	DETAIL VIEWS
A8	FABRICATED COMPONENTS
A9	FABRICATED COMPONENTS
A10	WALL BRACING - 1ST LEVEL
A11	WALL BRACING - 2ND LEVEL
A12	FLOOR LAYOUT - 1ST LEVEL
A13	FLOOR LAYOUT - 2ND LEVEL
A14	ROOF LAYOUT - 1ST LEVEL
A15	ROOF LAYOUT - 2ND LEVEL
A16	ROOF OVERVIEW
A17	ELEVATIONS
A18	ELEVATIONS
A19	SECTION VIEWS
A20	SECTION VIEWS
A21	SECTION VIEWS
A22	SECTION VIEWS
E1	ELECTRICAL - 2ND LEVEL
E2	ELECTRICAL - 1ST LEVEL

SCAN FOR CURRENT PLAN

PROJECT NO.
25-016

4 BDRM 4 BATH 2-STORY
TAX #21 IN SECTIONS 20 & 29 T18N R3E VALLEY CO., 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.

ELECTRICAL - 1ST LEVEL

SHEET SIZE: 36" × 48"

INITIAL DATE: 11/6/2025
PRINT DATE: 10/30/2025

DRAWN BY: Steve

SMC Design
208.249.7288
Nampa, ID

SHEET NUMBER
E2
PAGE 24 OF 24