

PROJECT NO.
11-011

3 BDRM - 2 BATH HOME FOR MARK & AMANDA MITCHELL FAIRBANKS, AK

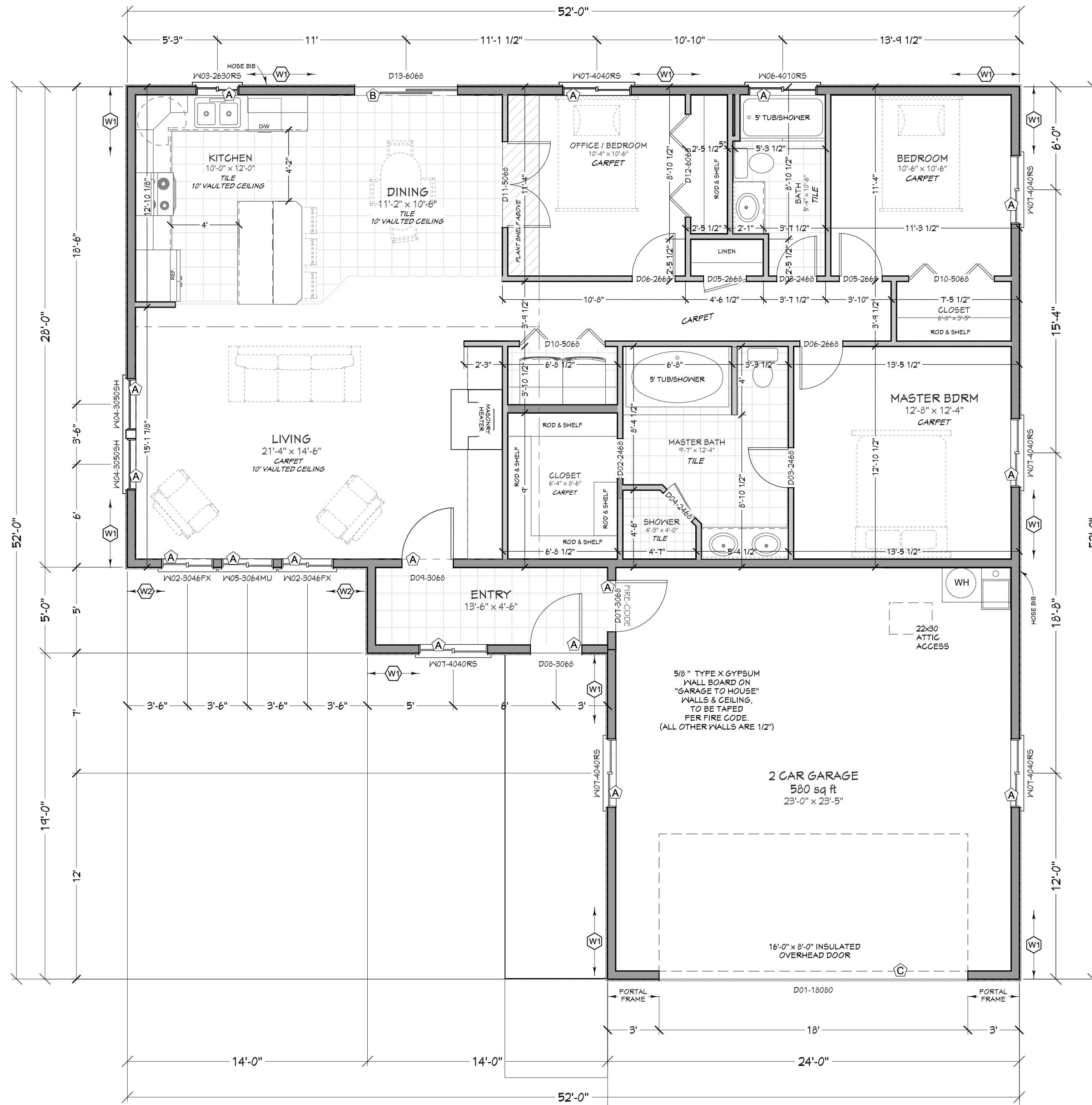
CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR TO CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.

DRAWN BY: Josh Dutton
 START DATE: 04/09/2011
 PRINT DATE: 4/20/2011
 SCALE: 1/4" = 1'-0"

FOUNDATION LAYOUT

SMC Design
 SMC Design
 208.249.7288
 Nampa, ID

SHEET NUMBER
A1
 PAGE 1 OF 8



DOOR SCHEDULE

NUMBER	QTY	FLOOR	SIZE	WIDTH	HEIGHT	DESCRIPTION
D01	1	1	2'0"0" R	2'11"	96"	GARAGE LGX6 PANEL SQUARE LITES
D02	1	1	2'4"6" L	2'8"	80"	INT. DOOR - POCKET
D03	2	1	2'4"6" R	2'8"	80"	INT. DOOR - HINGED
D04	2	1	2'4"6" L	2'8"	80"	INT. DOOR - HINGED
D05	2	1	2'4"6" R	3'0"	80"	INT. DOOR - HINGED
D06	2	1	2'4"6" L	3'0"	80"	INT. DOOR - HINGED
D07	1	1	3'0"6" R	3'6"	80"	EXT. DOOR - HINGED - FIRE CODE
D08	1	1	3'0"6" R	3'6"	80"	INT. DOOR - HINGED
D09	2	1	5'0"6" R	6'0"	80"	INT. DOOR - BIFOLD
D10	2	1	5'0"6" L	6'0"	80"	INT. DOOR - BIFOLD
D11	2	1	5'0"6" L	6'0"	80"	INT. DOOR - DOUBLE HINGED
D12	2	1	6'0"6" L	7'2"	80"	INT. DOOR - BIFOLD
D13	2	1	6'0"6" L	7'2"	80"	EXT. DOOR - SLIPDR - GLASS

WINDOW SCHEDULE

NUMBER	QTY	FLOOR	SIZE	WIDTH	HEIGHT	DESCRIPTION
W01	2	1	3'0"4" F	3'6"	54"	FIXED GLASS
W02	2	1	3'0"4" F	3'6"	54"	FIXED GLASS
W03	2	1	2'6"3"0" S	3'0"	36"	RIGHT SLIDING
W04	2	1	3'0"5"0" S	3'6"	60"	RIGHT SLIDING
W05	1	1	3'0"6"4	3'6"	76"	MULLIED UNIT
W06	1	1	4'0"1"0" S	4'6"	72"	RIGHT SLIDING
W07	6	1	4'0"4"0" S	4'6"	48"	RIGHT SLIDING

HEADER SCHEDULE

A (1) 4x8 D.F.
 B (1) 4x10 D.F.
 C (3) 2x12 D.F.

LIVING SPACE 1520 sq. ft.
 GARAGE 580 sq. ft.

LOWER LEVEL NOTES:
 • ALL ANGLE 45° UNO
 • 2x6 EXT. WALLS @ 24" O.C.
 • 8'-1 1/8" PLATE HEIGHT UNO
 • 80" TO TOP OF WINDOW UNO
 • ALL PARTITION DIMENSIONS ARE TO FACE OF STUD

SHEARWALL SCHEDULE
 W1 - OSB SHEATHING ONE SIDE WITH 8d NAILS @ 6" O.C. (PERIMETER), 12" O.C. (FIELD) OR 1 1/2" x 1-1/2" STAPLES @ 3" O.C. (PERIMETER), 12" O.C. (FIELD)
 W2 - OSB SHEATHING ONE SIDE WITH 8d NAILS @ 4" O.C. (PERIMETER), 8" O.C. (FIELD) OR 1 1/2" x 1-1/2" STAPLES @ 2" O.C. (PERIMETER), 12" O.C. (FIELD)
 W3 - OSB SHEATHING ONE SIDE WITH 8d NAILS @ 3" O.C. (PERIMETER), 12" O.C. (FIELD)
 W4 - OSB SHEATHING BOTH SIDES WITH 8d NAILS @ 3" O.C. (PERIMETER), 12" O.C. (FIELD) OR 1 1/2" x 1-1/2" STAPLES @ 2" O.C. (PERIMETER), 12" O.C. (FIELD)
 W5 - GYPSUM BOARD BOTH SIDES WITH 5D COOLER NAILS OR 5SCREWS AT 4" O.C. ALL STUDS (UNBLOCKED)

NOTES:
 1. ALL SHEATHING PANEL EDGES SHALL BE BLOCKED UNLESS NOTED OTHERWISE
 2. PROVIDE SAME HAILING PATTERN ABOVE AND BELOW OPENINGS AS ADJACENT SHEAR PANEL.
 3. ALL EXTERIOR WALLS SHALL BE SHEARWALL "W1" UNLESS NOTED OTHERWISE.

PROJECT NO.
11-011

3 BDRM - 2 BATH HOME FOR MARK & AMANDA MITCHELL FAIRBANKS, AK

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR TO 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: START DATE: 04/09/2011 SCALE: 1/4" = 1'-0"
 Josh Dutton PRINT DATE: 4/20/2011

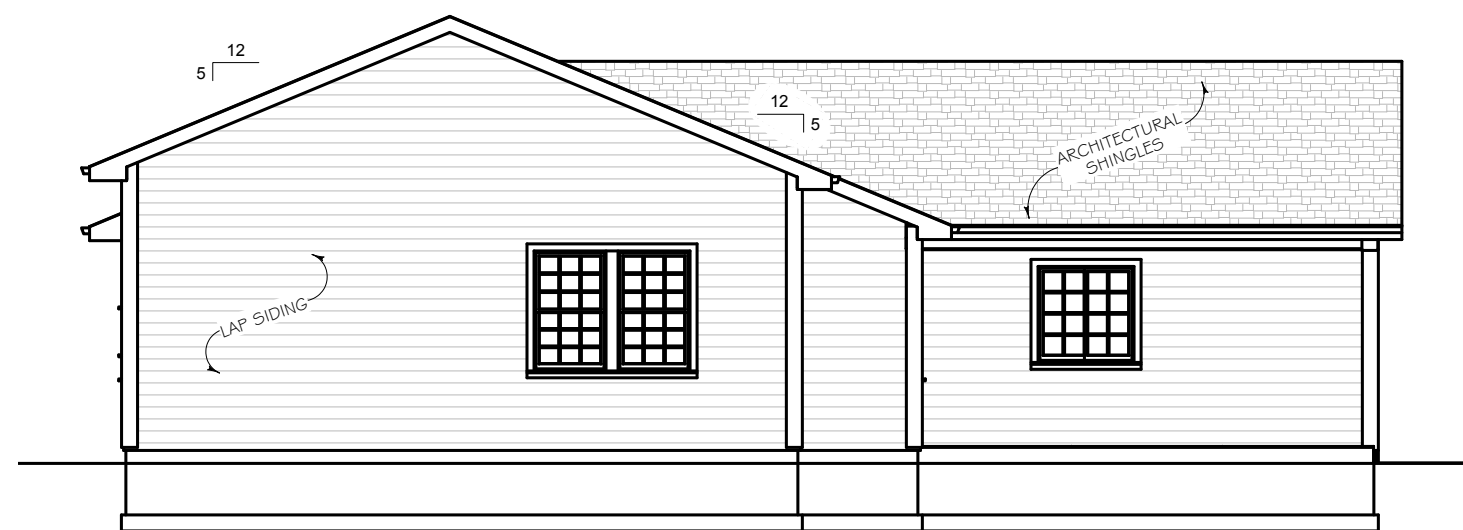
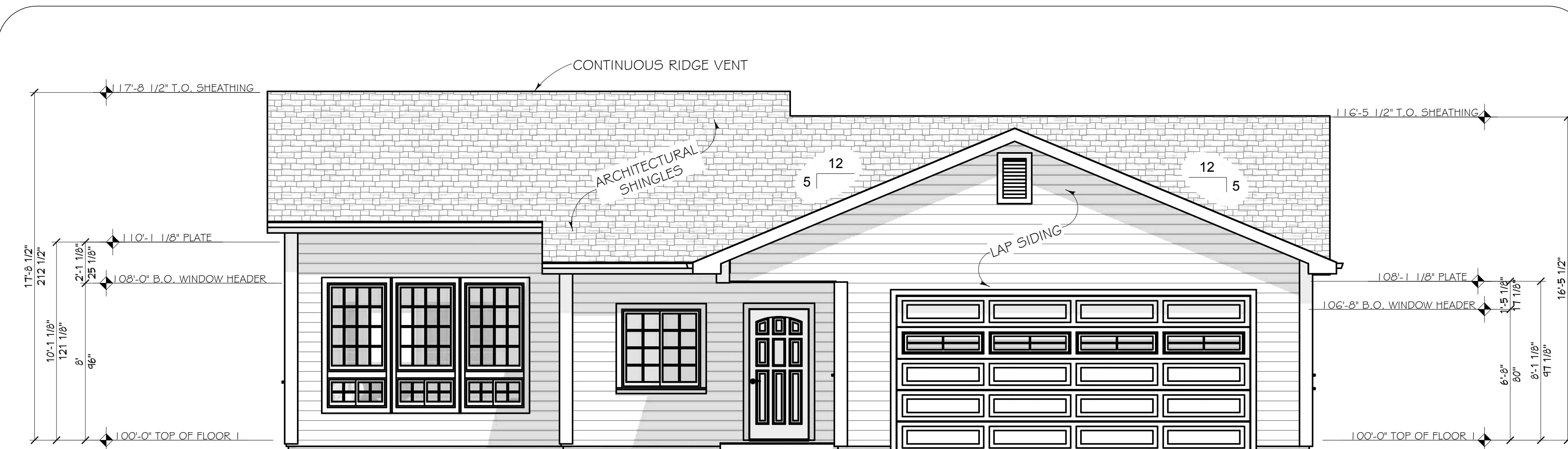
SMC Design
 SMC Design
 208.249.7288
 Nampa, ID

SHEET NUMBER
A2
 PAGE 2 OF 8

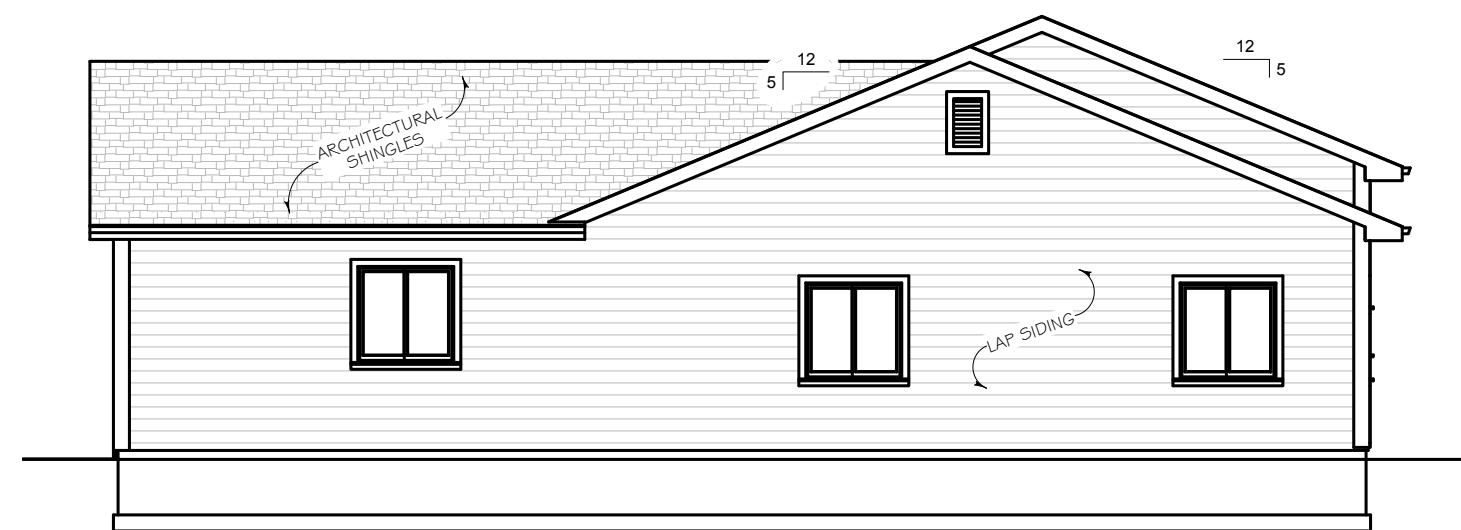
FLOOR PLAN MAIN LEVEL

3 BDRM - 2 BATH HOME FOR MARK &
AMANDA MITCHELL FAIRBANKS, AK

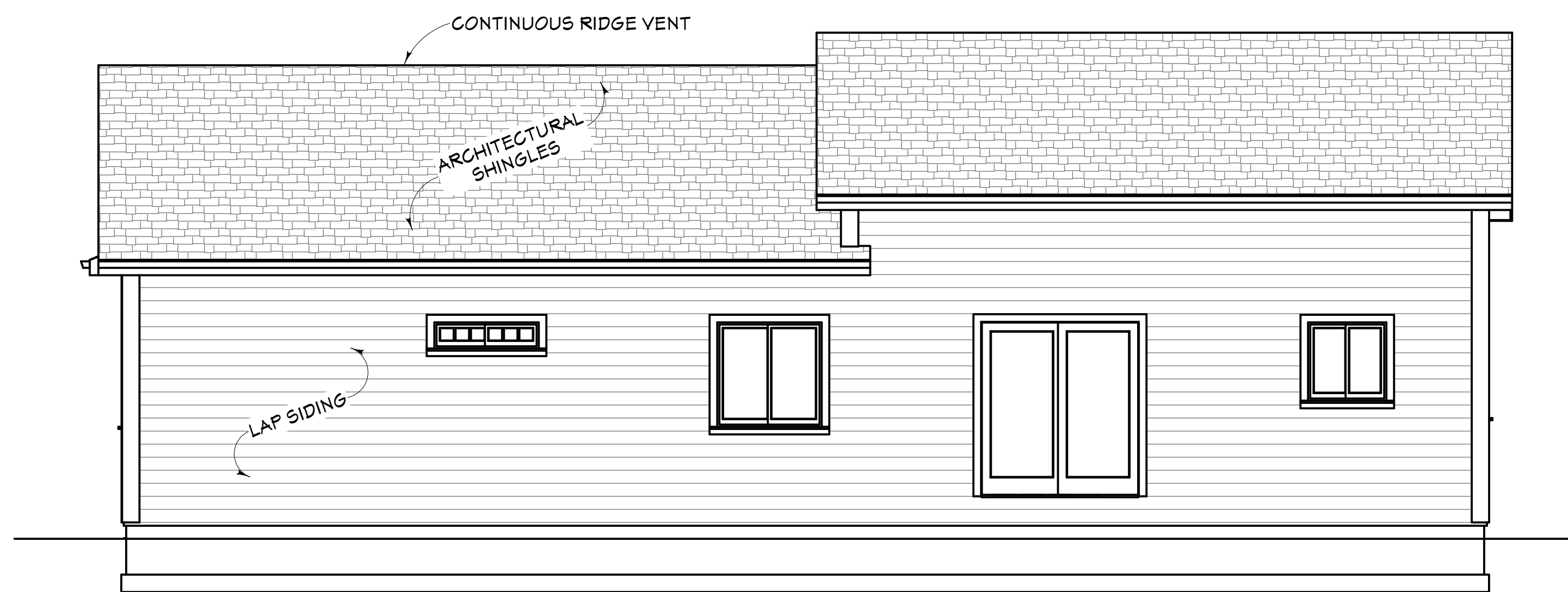
CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR TO CONSTRUCTION, AND REPORT ANY OMISSIONS AND/OR ERRORS TO SMC DESIGN. THE PURCHASER OR BUILDER OF THIS PLAN RELEASES SMC DESIGN FROM ANY CLAIMS, LITIGATIONS OR SUITS THAT MAY ARISE DURING CONSTRUCTION OR ANYTIME THEREAFTER.



RIGHT SIDE
SCALE: 1/8 in = 1 ft



LEFT SIDE
SCALE: 1/8 in = 1 ft



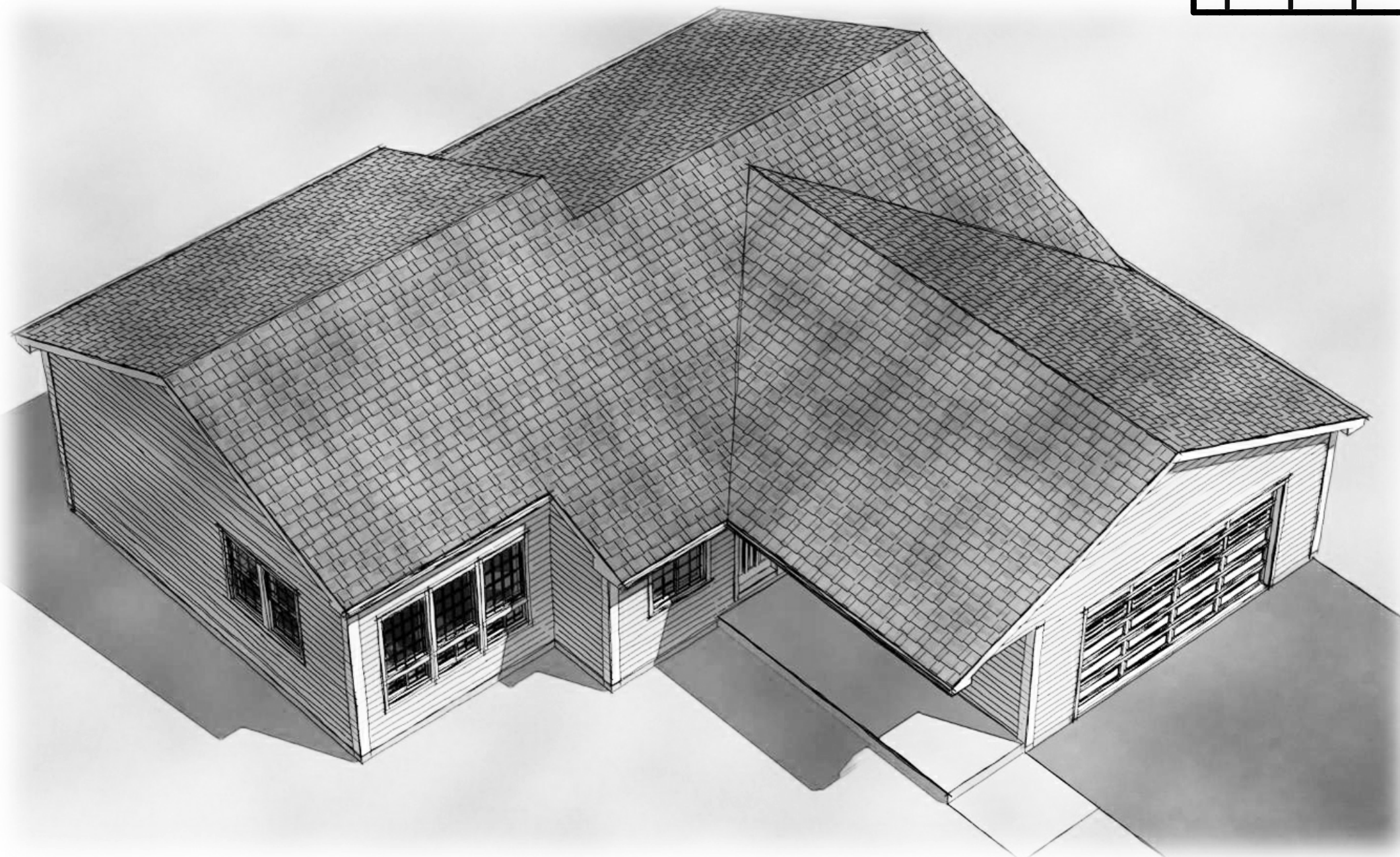
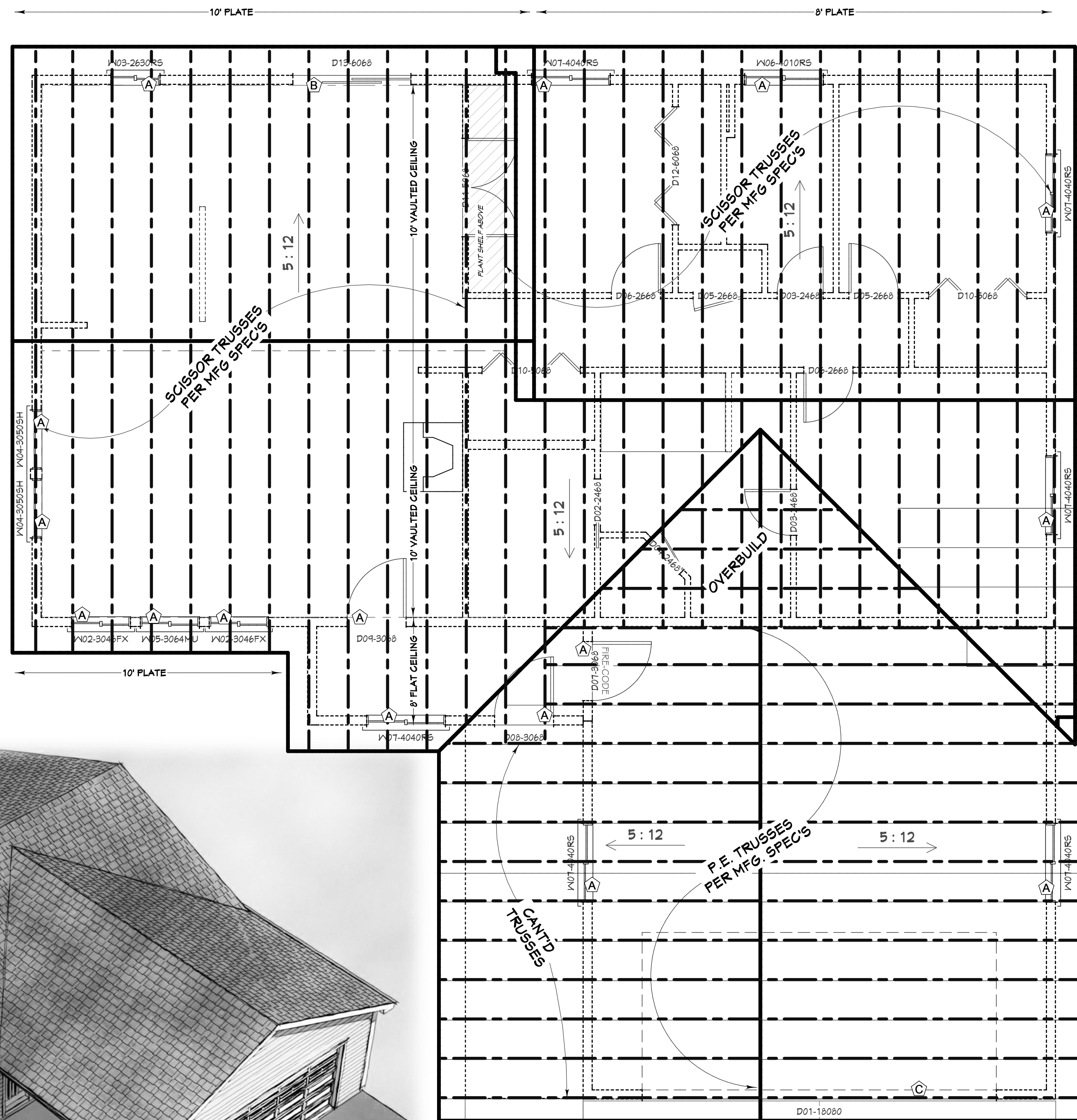
SCALE:
1/4" = 1'-0"

DRAWN BY: Josh Dutton
START DATE: 04/09/2011
PRINT DATE: 4/20/2011

EXTERIOR ELEVATIONS

SMC Design
SMC Design
208.249.7288
Nampa, ID

- ◊ HEADER SCHEDULE ◊
- A (1) 4x8 D.F.
 - B (1) 4x10 D.F.
 - C (3) 2x12 D.F.



PROJECT NO.
11-011

3 BDRM - 2 BATH HOME FOR MARK & AMANDA MITCHELL FAIRBANKS, AK

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR TO 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: Josh Dutton
START DATE: 04/09/2011
SCALE: 1/4" = 1'-0"
PRINT DATE: 4/20/2011

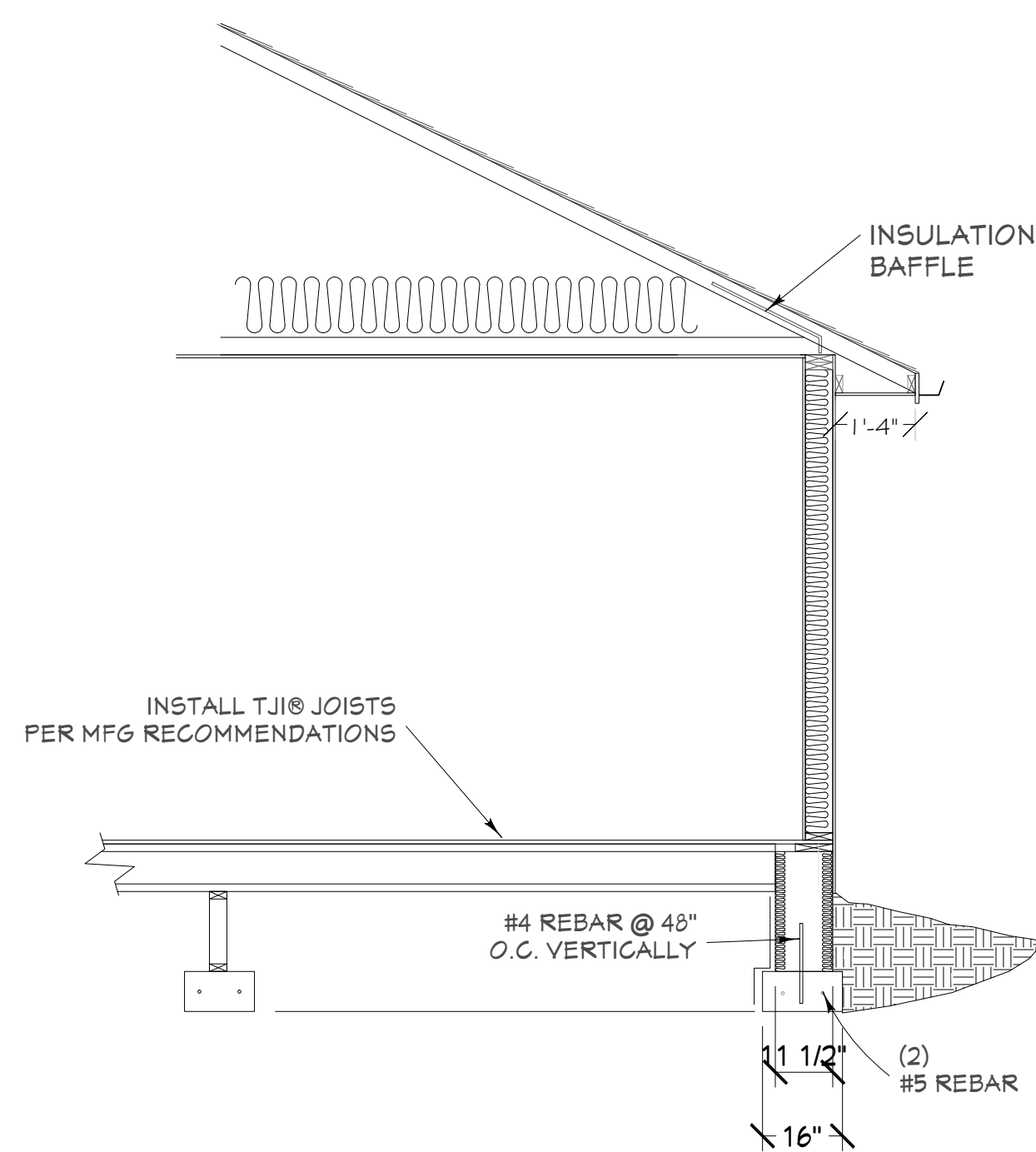
ROOF FRAMING LAYOUT



SMC Design
208.249.7288
Nampa, ID

**3 BDRM - 2 BATH HOME FOR MARK &
AMANDA MITCHELL FAIRBANKS, AK**

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR TO 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.



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

TYPICAL ROOF MATERIALS

ASPHALT SHINGLES
P.E. TRUSSES @24" O.C.
(SEE TRUSS LAYOUT FOR TRUSS TYPE)
7/16" WAFER BOARD W/CLIPS
INSULATION BAFFLE
R-40 CELLULOSE

TYPICAL EAVE MATERIALS

MASONITE FASCIA/METAL CLAD
VENTED VINYL
SOFFIT VENTS 6" x 16" 8'-0" O.C.

TYPICAL WALL MATERIALS

2x6 STUDS @24" O.C.
1/2" GYPSUM BOARD
.006 MIL. POLYETHYLENE
5 1/2" R-22 F.G. INSULATION
VINYL SIDING

TYPICAL FLOOR MATERIALS

3/8" PART. BOARD @ VINYL
5/8" OSB DECKING
11-7/8" TJI @ 24" O.C.
TOP MOUNT JOIST HANGERS

TYPICAL FOUNDATION MATERIALS

2x8 P.T. PLATE
1/2" x 10" A. BOLT @ 6" O.C.
R-19 INSULATION
.006 MIL. POLYETHYLENE
2x4 PONYWALLS ON
16" x 8" CONC. FOOTINGS
ICF'S 6" ARXX STEM WALL ON
16" x 8" CONC. FOOTING (5 1/2 BAG, 3500psi)

WINDOW SCHEDULE									
NUMBER	QTY	FLOOR	SIZE	WIDTH	HEIGHT	DESCRIPTION	QTY	NUMBER	
W01	2	I	301GR5	36"	18"	RIGHT SLIDING	2	W01	
W02	2	I	3046FX	36"	54"	FIXED GLASS	2	W02	
W03	1	I	263OR5	30"	36"	RIGHT SLIDING	1	W03	
W04	2	I	30505H	36"	60"	SINGLE HUNG	2	W04	
W05	1	I	3064	36"	76"	MULLED UNIT	1	W05	
W06	1	I	401OR5	48"	12"	RIGHT SLIDING	1	W06	
W07	6	I	404OR5	48"	48"	RIGHT SLIDING	6	W07	

◊ HEADER SCHEDULE ◊

- A (1) 4x8 D.F.
- B (1) 4x10 D.F.
- C (3) 2x12 D.F.

DOOR SCHEDULE									
NUMBER	QTY	FLOOR	SIZE	WIDTH	HEIGHT	DESCRIPTION	QTY	NUMBER	
D01	1	I	180R0 R	216"	96"	GARAGE 16X8 PANEL SQUARE LITES	1	D01	
D02	1	I	2468 L	28"	80"	INT. DOOR - FOCKET	1	D02	
D03	2	I	2468 R IN	28"	80"	INT. DOOR - HINGED	2	D03	
D04	1	I	2468 R IN	28"	80"	SHOWER DOOR - GLASS	1	D04	
D05	2	I	2668 L IN	30"	80"	INT. DOOR - HINGED	2	D05	
D06	2	I	2668 R IN	30"	80"	INT. DOOR - HINGED	2	D06	
D07	1	I	3068 L EX	36"	80"	INT. DOOR - HINGED - FIRE CODE	1	D07	
D08	1	I	3068 R EX	36"	80"	EXT. DOOR - HINGED - ENTRY	1	D08	
D09	1	I	3068 R IN	36"	80"	INT. DOOR - HINGED	1	D09	
D10	2	I	5068	60"	80"	INT. DOOR - BIFOLD	2	D10	
D11	1	I	5068 IN	60"	80"	INT. DOOR - DOUBLE HINGED	1	D11	
D12	1	I	6068	72"	80"	INT. DOOR - BIFOLD	1	D12	
D13	1	I	6068 L EX	72"	80"	EXT. DOOR - SLIDER - GLASS	1	D13	

DRAWN BY: Josh Dutton
START DATE: 04/09/2011
PRINT DATE: 4/20/2011
SCALE: 1/4" = 1'-0"

CROSS SECTION VIEWS

SMC Design
SMC Design
208.249.7288
Nampa, ID

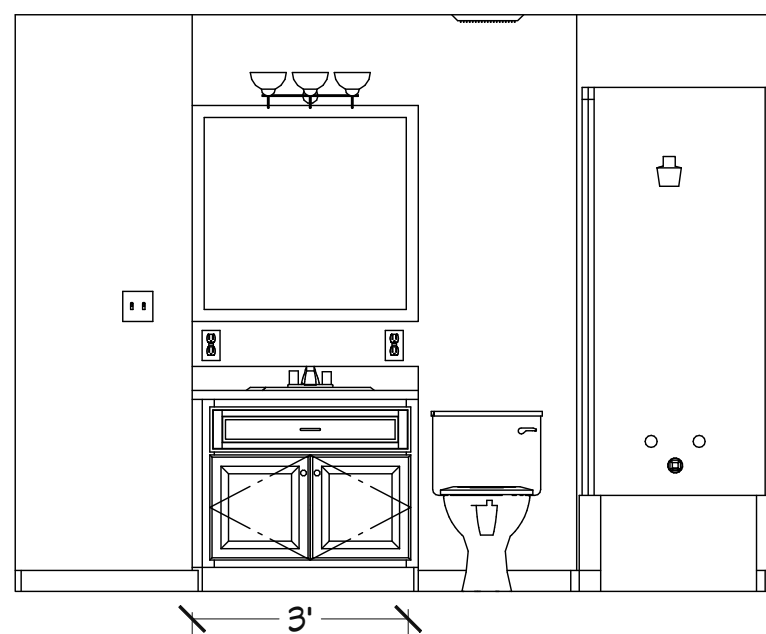
**3 BDRM - 2 BATH HOME FOR MARK &
AMANDA MITCHELL FAIRBANKS, AK**

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR TO 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.

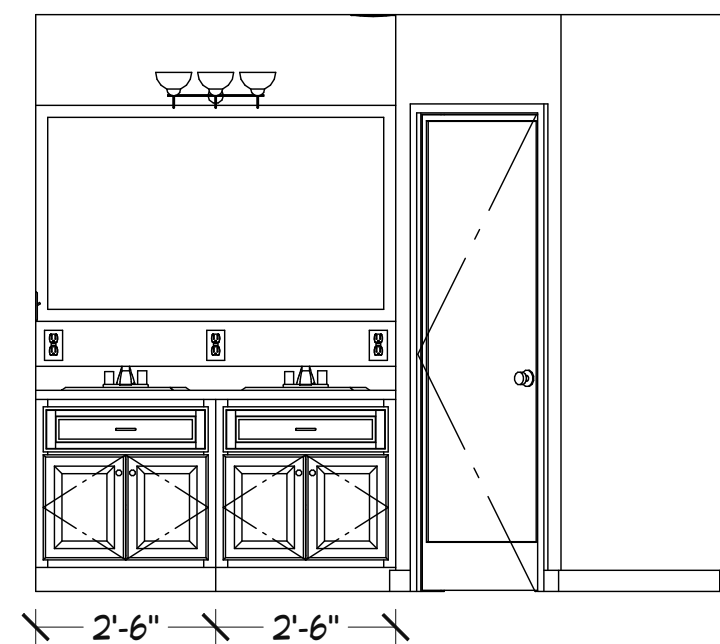
DRAWN BY: Josh Dutton
 START DATE: 04/09/2011
 PRINT DATE: 4/20/2011
 SCALE: 1/4" = 1'-0"

CABINET ELEVATIONS

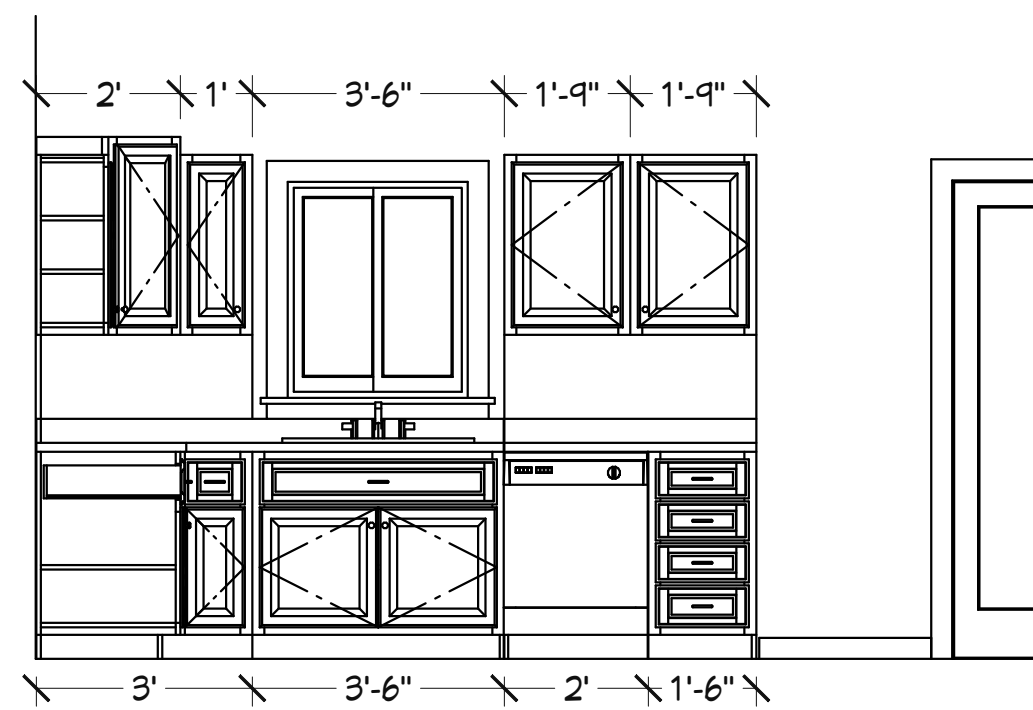
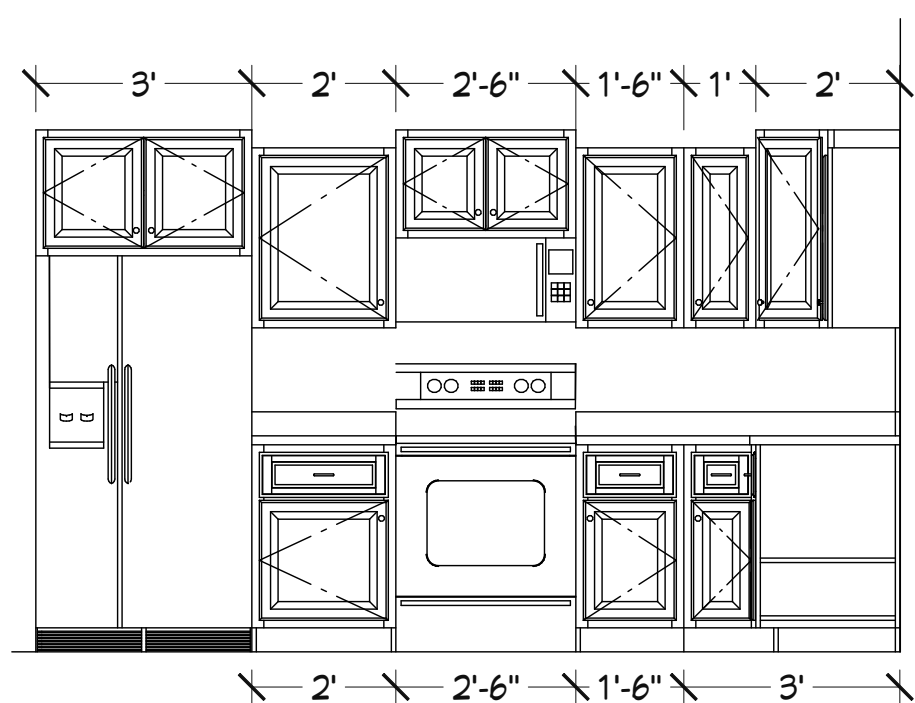
SMC Design
 SMC Design
 208.249.7288
 Nampa, ID



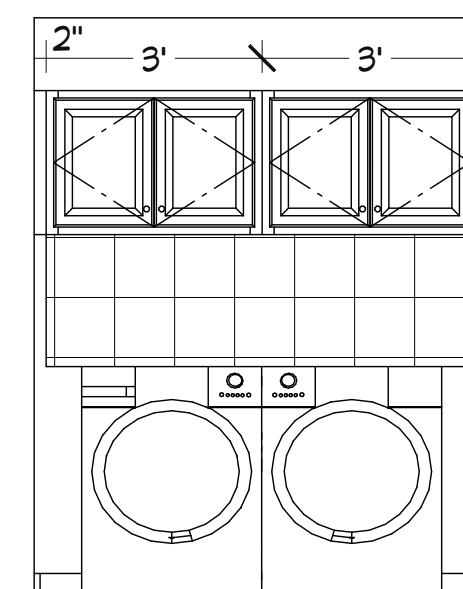
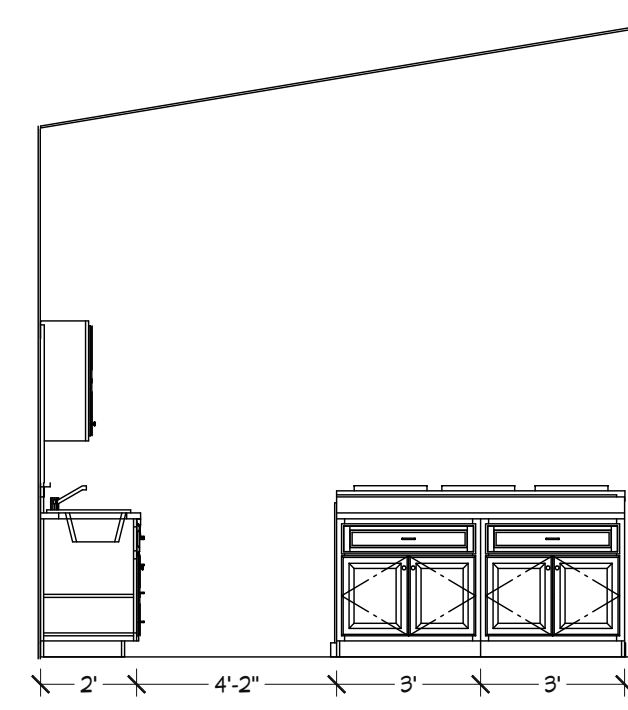
BATH



MASTER BATH



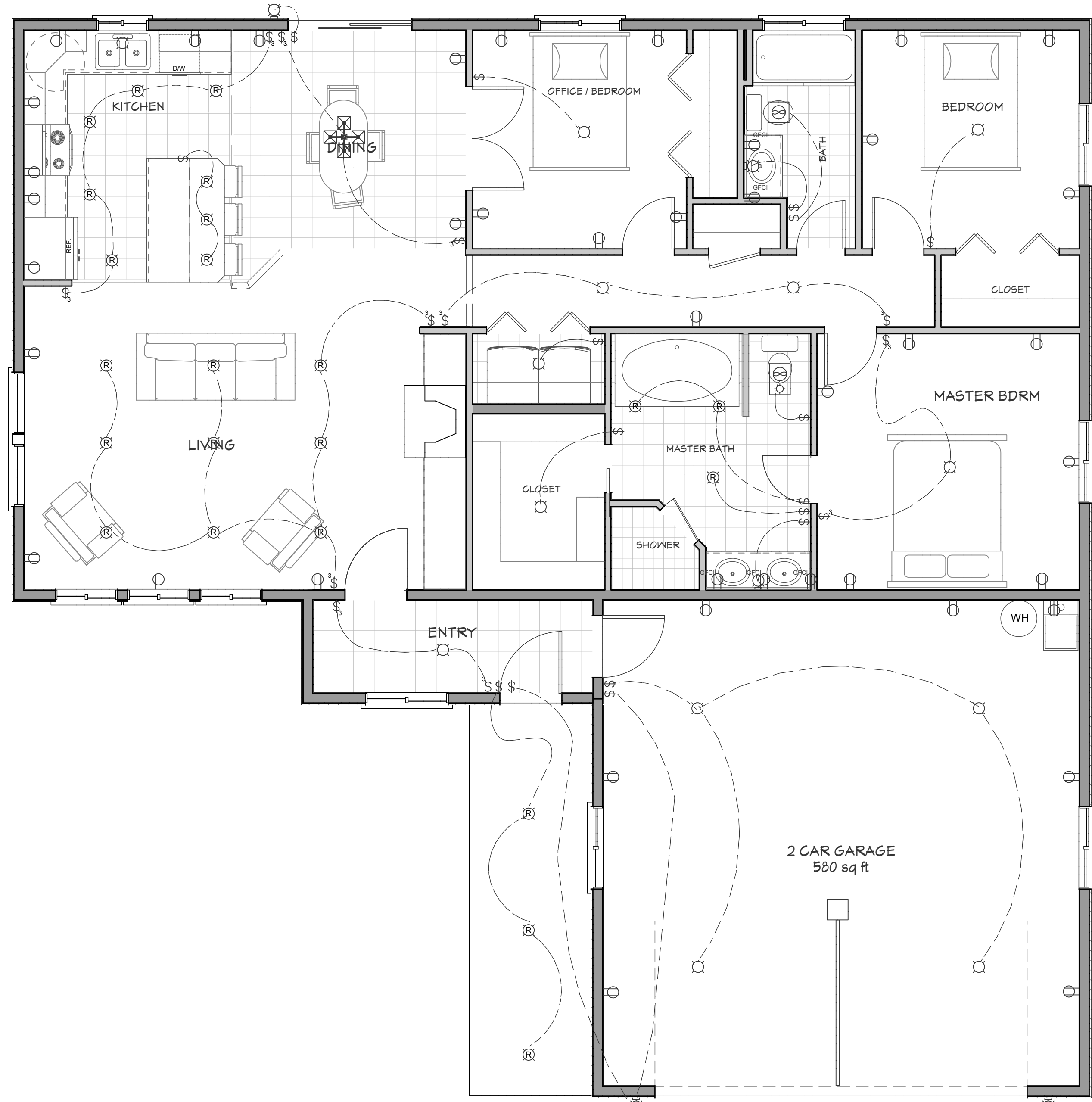
KITCHEN ELEVATIONS



LAUNDRY

3 BDRM - 2 BATH HOME FOR MARK & AMANDA MITCHELL FAIRBANKS, AK

CONTRACTOR TO VERIFY ALL DETAILS, DIMENSIONS, AND SPECIFICATIONS PRIOR TO 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.



	220V RECEP.
	GROUND FAULT CIRCUIT INTERRUPTER RECEP.
	WEATHERPROOF RECEP.
	EXHAUST FAN
	EXHAUST FANLIGHT COMBO
	CEILING FANLIGHT COMBO
	CABLE JACK
	TELEPHONE JACK
	TELEVISION JACK
	SMOKE DETECTOR (WALL MOUNT)
	SMOKE DETECTOR (CEILING MOUNT)
	WALL SCONCE
	LIGHT-CEILING MOUNT
	LIGHT-CEILING (RECESSED)
	LIGHT-FLUORESCENT
	LIGHT-MINI CAN
	SWITCH
	SWITCH- 3 WAY
	SWITCH- 4 WAY
	SWITCH- DIMMER
	SWITCH- WEATHER PROOF
	SWITCH- WMOTION SENSOR

DRAWN BY: Josh Dutton
 START DATE: 04/09/2011
 PRINT DATE: 4/20/2011
 SCALE: 1/4" = 1'-0"

SMC Design
 SMC Design
 208.249.7288
 Nampa, ID

SHEET NUMBER

M1
 PAGE 7 OF 8

MECHANICAL MAIN LEVEL



REScheck Software Version 4.4.1 Compliance Certificate

Energy Code: 2009 IECC
Location: North Pole, Alaska
Construction Type: Single Family
Building Orientation: Blg. Faces 180 deg. from North
Conditioned Floor Area: 1520 ft2
Glazing Area Percentage: 20%
Heating Degree Days: 14291
Climate Zone: 9

Construction Site:
Owner/Agent:
Designer/Contractor: Steve Curtis, SMC Design, 9109 Owyhee Dr., Nampa, ID 83686

Compliance: Passes using performance alternative
Compliance: 1.3% Better Than Code

Table with 6 columns: Assembly, Gross Area or Perimeter, Cavity R-Value, Cont. R-Value, Glazing or Door U-Factor, UA. Rows include Ceiling 1, Floor 1, Wall 1, Window 3, Door 2, Wall 2, Window 4, Door 1, Wall 3, Window 1, Door 3, Wall 4, Window 2.

Compliance Statement: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application.

Project Title:
Data filename: V:\Projects\11-011 Mark Mitchell\11-011 REScheck\11-011 Mark Mitchell.rck
Report date: 04/20/11
Page 1 of 5

- Checkboxes for: Joints (including rim joist junctions), attic access openings, penetrations, and all other such openings in the building envelope that are sources of air leakage are sealed with caulk, gasketed, weatherstripped or otherwise sealed with an air barrier material, suitable film or solid material. Air barrier and sealing exists on common walls between dwelling units, on exterior walls behind tubs/showers, and in openings between window/door jambs and framing.

- Checkboxes for: Duct Insulation: All ducts not completely inside the building envelope are insulated to at least R-6. Duct Construction and Testing: Building framing cavities are not used as supply ducts. All joints and seams of air ducts, air handlers, filter boxes, and building cavities used as return ducts are substantially airtight by means of tapes, mastics, liquid sealants, gasketing or other approved closure systems.

- Checkboxes for: Heating and Cooling Equipment Sizing: Additional requirements for equipment sizing are included by an inspection for compliance with the International Residential Code. Circulating Service Hot Water Systems: Circulating service hot water pipes are insulated to R-2.

Project Title:
Data filename: V:\Projects\11-011 Mark Mitchell\11-011 REScheck\11-011 Mark Mitchell.rck
Report date: 04/20/11
Page 4 of 5

Name - Title Signature Date

Project Title:
Data filename: V:\Projects\11-011 Mark Mitchell\11-011 REScheck\11-011 Mark Mitchell.rck
Report date: 04/20/11
Page 2 of 5

- Checkboxes for: Circulating service hot water systems include an automatic or accessible manual switch to turn off the circulating pump when the system is not in use. Heating and Cooling Piping Insulation: HVAC piping conveying fluids above 105 degrees F or chilled fluids below 55 degrees F are insulated to R-3. Swimming Pools: Heated swimming pools have an on/off heater switch. Pool heaters operating on natural gas or LPG have an electronic pilot light. Timer switches on pool heaters and pumps are present.

NOTES TO FIELD: (Building Department Use Only)
[Blank lines for field notes]

Project Title:
Data filename: V:\Projects\11-011 Mark Mitchell\11-011 REScheck\11-011 Mark Mitchell.rck
Report date: 04/20/11
Page 5 of 5



REScheck Software Version 4.4.1 Inspection Checklist

- Checkboxes for: Ceilings: Ceiling 1: Flat Ceiling or Scissor Truss, R-40.0 continuous insulation. Above-Grade Walls: Wall 1: Wood Frame, 24" o. c., R-22.0 cavity insulation. Wall 2: Wood Frame, 24" o. c., R-22.0 cavity insulation. Wall 3: Wood Frame, 24" o. c., R-22.0 cavity insulation. Wall 4: Wood Frame, 24" o. c., R-22.0 cavity insulation. Windows: Window 3: Vinyl Frame: Double Pane with Low-E, U-factor: 0.340. Window 4: Vinyl Frame: Double Pane with Low-E, U-factor: 0.340. Window 1: Vinyl Frame: Double Pane with Low-E, U-factor: 0.340. Window 2: Vinyl Frame: Double Pane with Low-E, U-factor: 0.340. Doors: Door 2: Glass, U-factor: 0.340. Door 1: Glass, U-factor: 0.340. Door 3: Glass, U-factor: 0.340. Floors: Floor 1: All-Wood Joist/Truss-Over Unconditioned Space, R-30.0 cavity insulation. Floor insulation is installed in permanent contact with the underside of the subfloor decking. Air Leakage:

Project Title:
Data filename: V:\Projects\11-011 Mark Mitchell\11-011 REScheck\11-011 Mark Mitchell.rck
Report date: 04/20/11
Page 3 of 5

2009 IECC Energy Efficiency Certificate

Table with 2 columns: Insulation Rating, R-Value. Rows include Ceiling / Roof (40.00), Wall (22.00), Floor / Foundation (30.00), Glass & Door Rating (U-Factor, SHGC), Heating & Cooling Equipment (Efficiency), Water Heater.

Name: Date:
Comments:

PROJECT NO. 11-011

3 BDRM - 2 BATH HOME FOR MARK & AMANDA MITCHELL FAIRBANKS, AK

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

SCALE: 1/4" = 1'-0"
START DATE: 04/09/2011
PRINT DATE: 4/20/2011
DRAWN BY: Josh Dutton

ENERGY SURVEY

SMC Design
SMC Design
208.249.7288
Nampa, ID

SHEET NUMBER M2 PAGE 8 OF 8