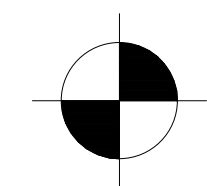
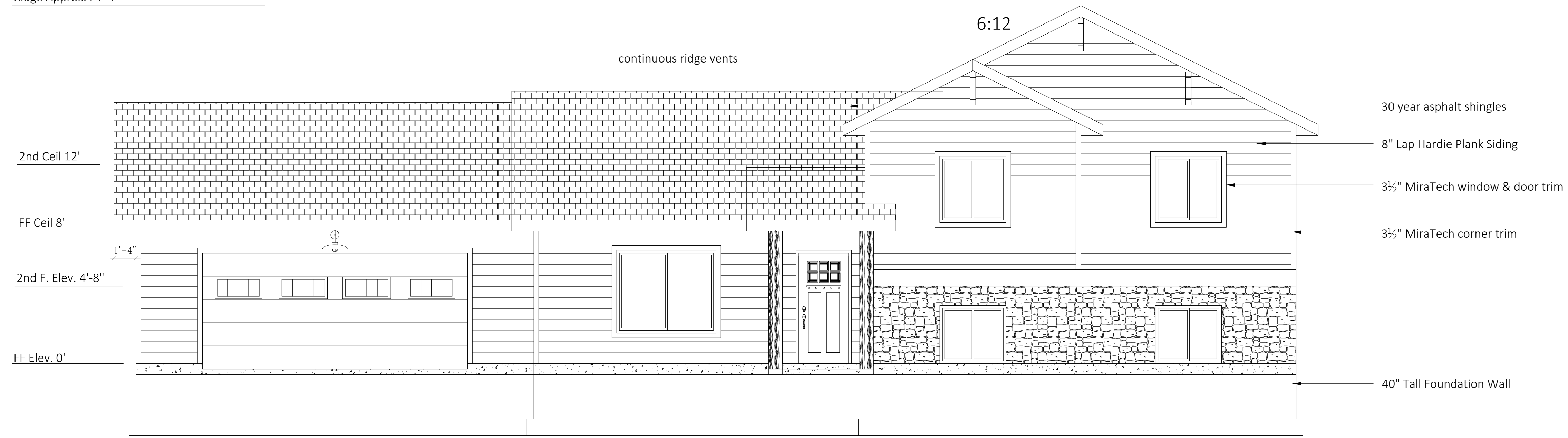
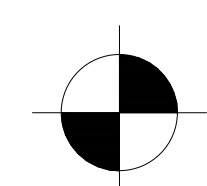
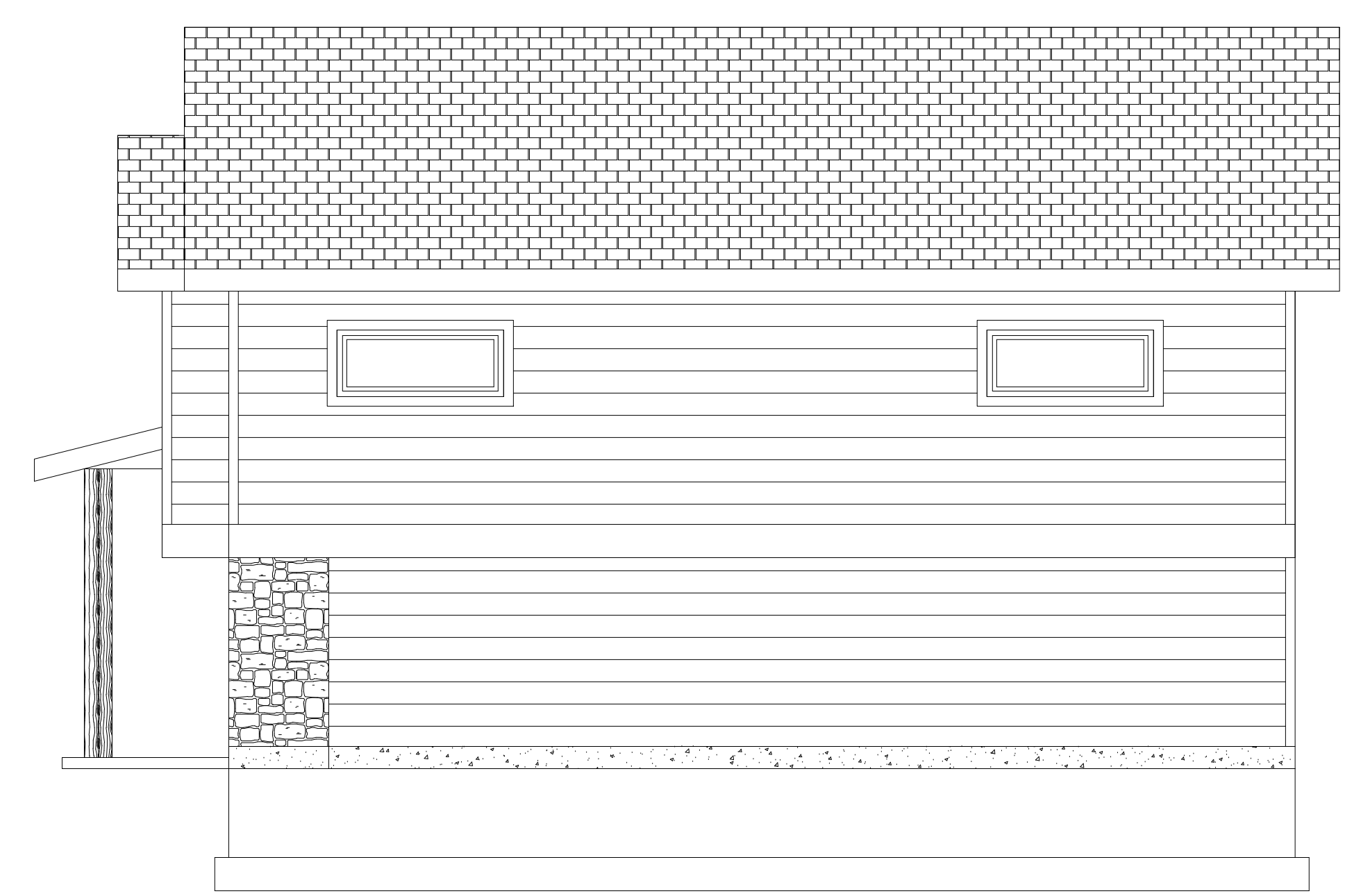


Ridge Approx. 21'-7"



FRONT ELEVATION



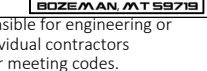
SCALE: 1/4" = 1'



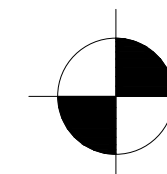
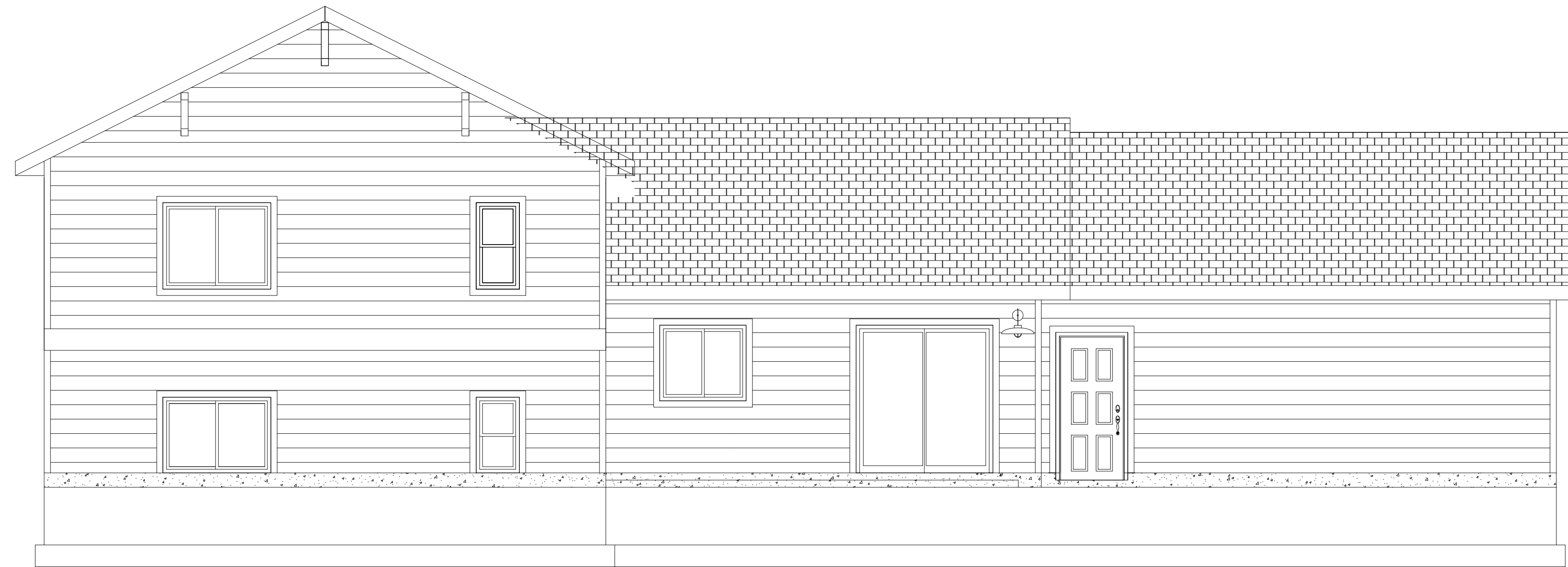
RIGHT ELEVATION

SCALE: 1/4" = 1'

- FLASHING REQUIRED AT THE FOLLOWING LOCATIONS:
- EXTERIOR WINDOW AND DOOR OPENINGS
 - INTERSECTION OF CHIMNEYS OR OTHER MASONRY WITH FRAME WALLS
 - UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS
 - CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM
 - WHERE EXTERIOR PORCHES, DECKS, OR STAIRS ATTACH TO WOOD FRAMING
 - AT WALL AND ROOF INTERSECTIONS
 - AT BUILT-IN GUTTERS

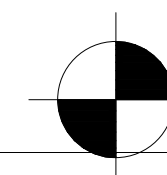
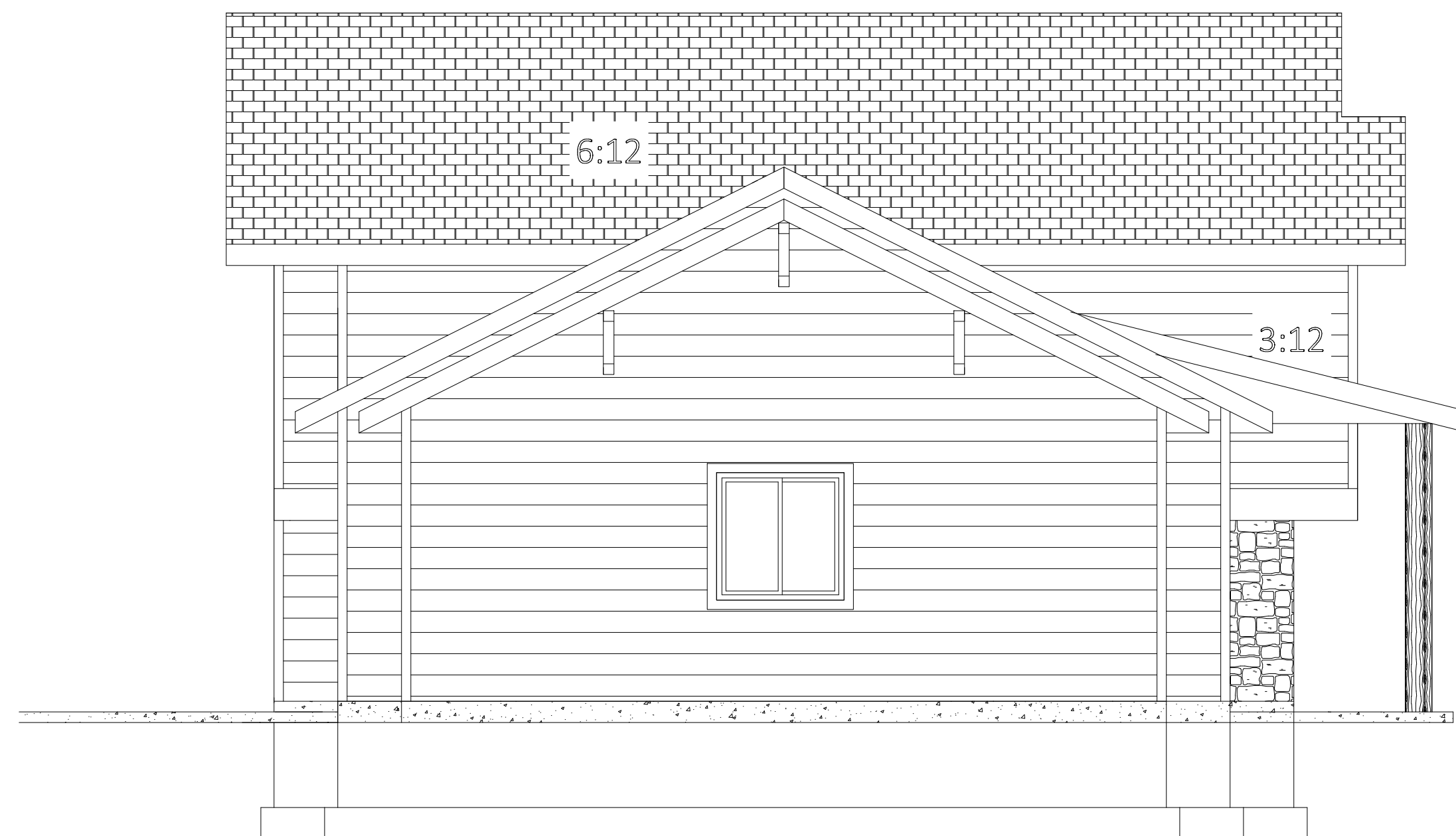
	Project Name:	Drawn by:	Date:
	THE FIRELIGHT	J. ARUNDLE	14 NOV. 15
		Revised by:	Date:
17-1/2 South Tracy Ave #B - Bozeman, MT 59715 406.551.0552 GENERAL CONTRACTOR: BEN NIBTLER phone #:  mobile #: 	Project No.	<div style="display: flex; justify-content: space-between; align-items: center;"> 2 6 </div> Elevations Front & Right	
	20151114		
	Scale: 1/4" = 1'-0"		

Note: Arundle Design is not responsible for engineering or construction. Individual contractors are responsible for meeting codes.



BACK ELEVATION


SCALE: 1/4" = 1'

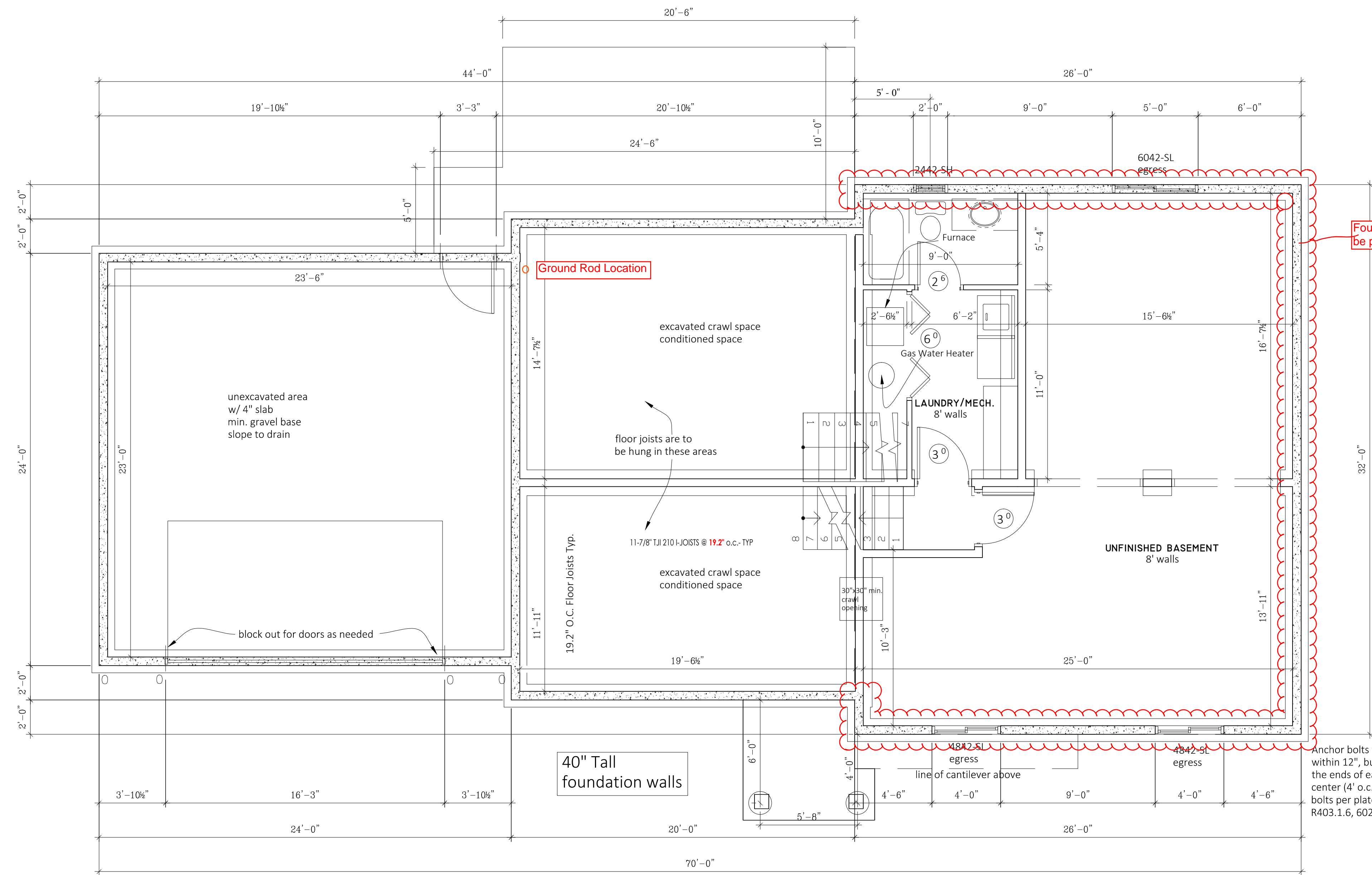


LEFT ELEVATION

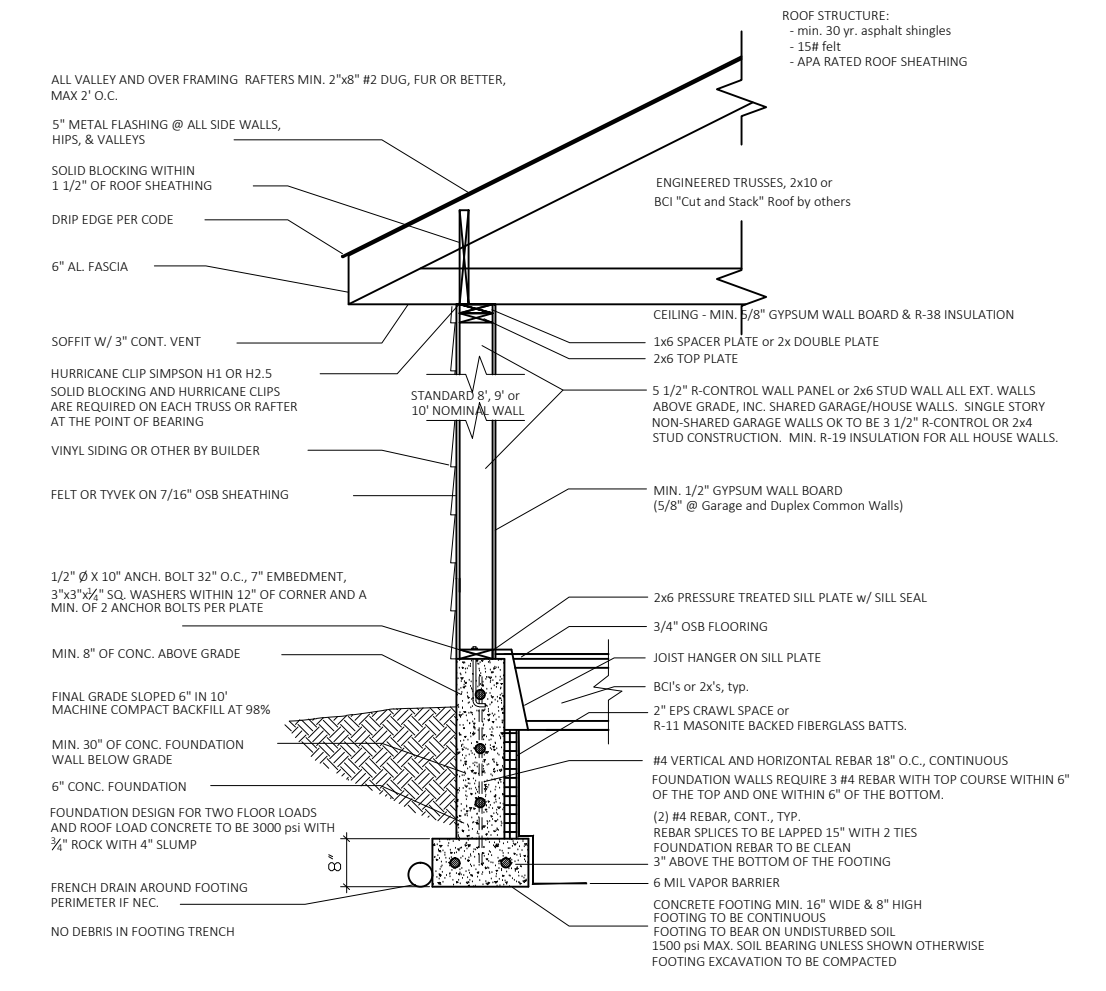
SCALE: 1/4" = 1'

- FLASHING REQUIRED AT THE FOLLOWING LOCATIONS:
- EXTERIOR WINDOW AND DOOR OPENINGS
 - INTERSECTION OF CHIMNEYS OR OTHER MASONRY WITH FRAME WALLS
 - UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS
 - CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM
 - WHERE EXTERIOR PORCHES, DECKS, OR STAIRS ATTACH TO WOOD FRAMING
 - AT WALL AND ROOF INTERSECTIONS
 - AT BUILT IN GUTTERS

	Project Name:	Drawn by:	Date:
	THE FIRELIGHT	J. ARUNDLE	14 NOV. 15
		Revised by:	Date:
17-1/2 South Tracy Ave #B - Bozeman, MT 59715 406.551.0552	Project No.	<div style="display: flex; justify-content: space-between; align-items: center;"> 3 6 </div> Elevations Back & Left	
GENERAL CONTRACTOR: BEN NIBTLER	20151114		
mobile #: phone #:	Scale: 1/4" = 1'-0"		
<small>Note: Arundle Design is not responsible for engineering or construction. Individual contractors are responsible for meeting codes.</small>			



TYPICAL BUILDING SECTION
SCALE: NTS



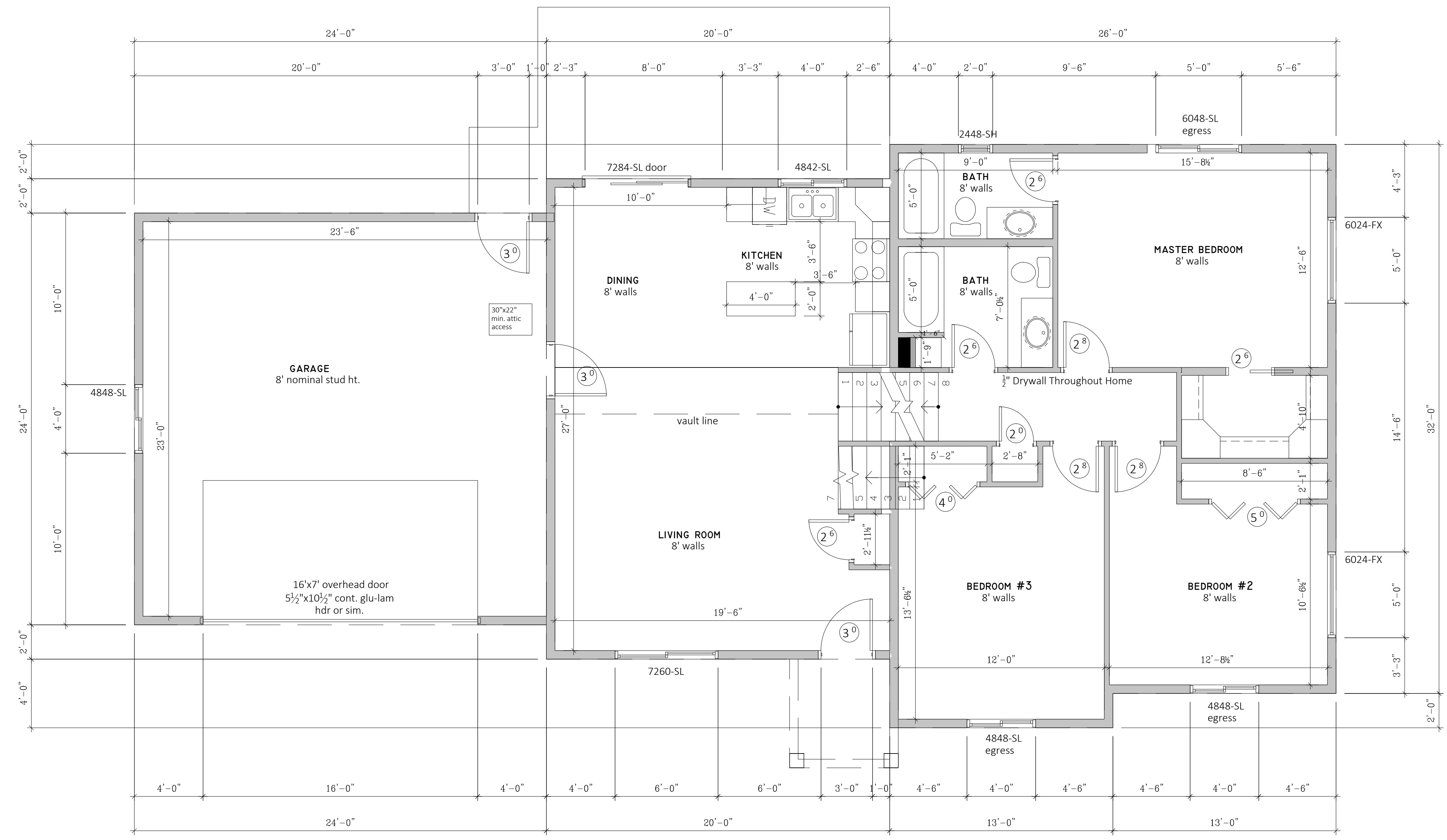
- GENERAL NOTES:**
- ALL BELOW GRADE LEVEL CONCRETE TO BE COVERED WITH APPROVED FOUNDATION COATING.
- FLOOR FRAMING NOTES:**
- DOUBLE JOISTS OR BEAM UNDER PARALLEL BEARING WALLS
 - LATERAL RESTRAINT AT ALL INTERMEDIATE SUPPORT LOCATIONS
- CLOTHES DRYER VENTING (IMC 504.6.7)**
- MAX. LENGTH SHALL NOT EXCEED 25' FROM DRYER LOCATION TO OUTLET TERMINAL
 - LENGTH REDUCED BY 2'6" FOR EACH 45° BEND
 - LENGTH REDUCED BY 5' FOR EACH 90° BEND
- EXCEPTION:** WHERE MAKE AND MODEL CLOTHES DRYER IS KNOWN AND OF MANUFACTURER'S INSTALLATION INSTRUCTIONS PROVIDED TO CODE OFFICIAL, MANUFACTURER'S SPEC.S MAY BE USED.

- CRAWL SPACE NOTES:**
- EACH SEPARATE CRAWL SPACE TO BE POWER VENTED BY FAN WITH HUMIDISTAT.
 - VAPOR BARRIER IS OPTIONAL (SEE FOUNDATION VENTING NOTE), BUT RECOMMENDED. IF CRAWL SPACE IS FILLED WITH COMPACTED GRAVEL, WASHED ROCK, OR SIM., THE USE OF VAPOR BARRIER MAY BE ILL-ADVISED. IF A VAPOR BARRIER IS USED, IT MUST HAVE A 6" SEAM OVERLAP AND BE SEALED/TAPED. EDGES ARE TO EXTEND A MIN. 6" UP STEM WALL AND BE SEALED TO THE STEM WALL.
- FURNACE LOCATED IN THE CRAWL SPACE**
- EQUIPMENT INSTALLED AT GRADE LEVEL SHALL BE SUPPORTED ON A LEVEL CONCRETE SLAB EXTENDING A MINIMUM OF 3" ABOVE ADJOINING GRADE OR IT SHALL BE SUSPENDED A MINIMUM OF 6" ABOVE ADJOINING GRADE
 - AN APPROVED FUEL SHUTOFF VALVE SHALL BE INSTALLED IN THE FUEL SUPPLY PIPING SERVING EACH PIECE OF FUEL BURNING EQUIPMENT AT AN ACCESSIBLE LOCATION AHEAD OF THE UNION OR APPLIANCE CONNECTION WITHIN 36" OF THE EQUIPMENT
 - FURNACE TO BE LOCATED WITHIN 20 FEET OF THE CRAWL SPACE OPENING - AN APPROVED INDEPENDENT MEANS OF DISCONNECT FOR THE ELECTRICAL SUPPLY TO EACH PIECE OF EQUIPMENT, SSU BOX
 - A PERMANENT SWITCH CONTROLLED LIGHTING SHALL BE INSTALLED FOR MAINTENANCE OF EQUIPMENT REQUIRED, TO BE ACCESSIBLE, OR TO BE READILY ACCESSIBLE
 - A 120-VOLT SERVICE RECEPTACLE SHALL BE LOCATED WITHIN 25 FEET OF AND ON THE SAME LEVEL AS THE EQUIPMENT FOR MAINTENANCE
- GENERAL:**
- IF FOUNDATION WALL IS INSULATED, FOUNDATION IS TO HAVE ONE (1) 16X8 SCREENED POWER VENT ONLY (IECC 592.2.1.5). 592.2.1.5).

Anchor bolts to go 7" into concrete and located within 12", but not less than 7 bolt diameters, from the ends of each plate, with a max. spacing of 6' on center (4' o.c. for building over two stories), min. 2 bolts per plate, w/ 3"x3"x.229" sq. washer (per IRC R403.1.6, 602.11.1)

BASEMENT = 832 SQ.FT.
SCALE: 1/4" = 1'
FOUNDATION MUST HAVE WATERPROOF COATING

	Project Name:	THE FIRELIGHT	Drawn by:	J.A. RUNDLE	Date:	14 NOV. 15
	17-1/2 South Tracy Ave #B - Bozeman, MT 59715 406.551.0552	Project No.	20151114	Revised by:		
GENERAL CONTRACTOR: BEN NIBTLER		Scale:	1/4" = 1'-0"			
phone #:						
mobile #:						
<small>Note: Arundle design is not responsible for engineering or construction. Individual contractors are responsible for meeting codes.</small>						



R602.10 WALL BRACING.

ALL EXTERIOR WALLS SHALL BE BRACED AND INTERIOR BRACED WALL LINES SHALL BE PROVIDED IN ACCORDANCE WITH SECTION R602.10.1. FOR BUILDINGS IN SEISMIC DESIGN CATEGORIES D1 AND D2, WALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ADDITIONAL REQUIREMENTS OF R602.10.9, R602.10.11 AND R602.11.

R602.10.1 BRACED WALL LINES.

... SHALL CONSIST OF BRACED WALL PANEL CONSTRUCTION METHODS IN ACCORDANCE WITH SECTION R601.10.3. THE AMOUNT AND LOCATION OF BRACING SHALL BE IN ACCORDANCE WITH TABLE R602.10.1. BRACED WALL PANELS SHALL BE NO MORE THAN 12.5' FROM EACH END OF A BRACED WALL LINE. BRACED WALL PANELS THAT ARE COUNTED AS PART OF A BRACED WALL LINE SHALL BE IN LINE, EXCEPT OFFSETS OUT-OF-PLANE OF UP TO 4' ... PROVIDED THE TOTAL OFFSET ... IS NOT MORE THAN 8'.

R602.10.3 BRACED WALL PANEL CONSTRUCTION METHODS.

(*NOTE: THERE ARE 8 IRC ACCEPTABLE METHODS, ONLY THE 2 MOST COMMON ARE LISTED HERE)

3. WOOD STRUCTURAL PANEL SHEATHING (I.E.: OSB) WITH A THICKNESS NOT LESS THAN 3/8" FOR STUDS 16" O.C. AND NOT LESS THAN 5/8" FOR STUDS 24" O.C. WOOD STRUCTURAL PANELS SHALL BE INSTALLED IN ACCORDANCE WITH TABLE R602.3(3).

5. GYPSUM BOARD (SHEET ROCK) WITH MINIMUM 1/2" THICKNESS PLACED ON STUDS SPACED A MAXIMUM 24" O.C. AND FASTENED AT 7" O.C. WITH THE SIZE NAILS SPECIFIED IN TABLE R602.3(1) FOR SHEATHING AND TABLE R702.3.5 FOR INTERIOR GYPSUM BOARD.

(*NOTE: WHILE TABLE R602.3(1) ALLOWS FOR SEVERAL GYPSUM FASTENERS, TYPE W OR S SCREWS ARE RECOMMENDED)

ALTERNATE BRACED WALL PANELS CONSTRUCTED IN ACCORDANCE WITH SECTION R602.10.6 SHALL BE PERMITTED TO REPLACE ANY OF THE ABOVE METHODS OF BRACED WALL PANELS.

R602.10.4 LENGTH OF BRACED WALL PANELS. FOR METHODS 2,3,4,6,7 AND 8 ABOVE, EACH BRACED WALL PANEL MUST BE A MINIMUM OF 48' ... FOR METHOD 5 ABOVE, EACH BRACED WALL PANEL SHALL BE AT LEAST 96' ... WHERE APPLIED TO ONE FACE ... AND AT LEAST 48' WHERE APPLIED TO BOTH FACES.

R602.10.6 ALTERNATE BRACED WALL PANELS

1. IN ONE-STORY BUILDINGS EACH PANEL SHALL HAVE A LENGTH OF NOT LESS THAN 2'8" AND A HEIGHT OF NOT MORE THAN 10' ... ANCHOR BOLTS SHALL BE PLACED AT PANEL QUARTER POINTS. EACH PANEL END STUD SHALL HAVE A TIE-DOWN DEVICE FASTENED TO THE FOUNDATION, CAPABLE OF PROVIDING AN UPLIFT CAPACITY OF AT LEAST 1,800 LBS. (I.E. SIMPSON STHD 10).

2. IN THE FIRST STORY OF TWO-STORY BUILDINGS, EACH BRACED WALL PANEL SHALL (ALSO HAVE) WOOD STRUCTURAL PANEL SHEATHING ON BOTH FACES ... AND TIE-DOWN DEVICE UPLIFT CAPACITY SHALL NOT BE LESS THAN 3,000 LBS.

0 = STHD-10 = BRACED WALL (see LEGEND)

FRAMER'S NOTES:

IN GENERAL:

- LINE EXTERIOR SHEATHING W/ OUTSIDE OF FOUNDATION WALL
- EXTERIOR WALLS DRAWN AS 6" WITH SHEATHING LINING UP WITH THE FOUNDATION WALL
- BEARING WALLS DRAWN AS 5 1/2"
- PLUMBING WALLS DRAWN AS 5 1/2"
- CURTAIN WALLS DRAWN AS 3 1/2"
- SOLID BEARING REQUIRED FOR ALL GIRDER TRUSSES AND BEAMS
- GIRDER TRUSSES TO BE ATTACHED TO THE TOP PLATE W/ SIMPSON HURRICANE STRAPS THAT ARE EQUAL TO OR EXCEED UPLIFT CALC'S PER TRUSS MANUFACTURER'S ENGINEERED DRAWINGS - TO BE SPECIFIED BY OTHERS (SEE TRUSS PLANS)

FLASHING AT THE FOLLOWING LOCATIONS:

- CONTINUOUSLY ABOVE ALL PROJECTING WOOD TRIM
- AT WALL AND ROOF INTERSECTIONS
- WHERE PORCHES, DECKS OR EXTERIOR STAIRS ATTACH TO WOOD FRAMING

* IT IS THE EXPRESS RESPONSIBILITY OF THE GENERAL CONTRACTOR AND INDIVIDUAL SUBS TO INTERPRET THESE PLANS AND CREATE THE HOME. THESE PLANS ARE ONLY A GUIDELINE. CALL IMPACT DRAFTING & DESIGN IMMEDIATELY IF THERE ARE ANY QUESTIONS.

WINDOW NOTES:

TEMPERED GLASS (SAFETY GLAZING, IRC 508.4) NEEDED IN THE FOLLOWING INSTANCES:

- IN SWINGING, HINGED, SLIDING, OR BIFOLD DOORS
- ENCLOSURES FOR SHOWERS, HOT TUBS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATH TUBS AND SHOWERS; INCLUDES WINDOWS IN INTERIOR OR EXTERIOR WALLS IN THESE AREAS (R508.4.5)
- ANY GLASS IN RAILINGS
- WINDOWS WITHIN 24" OF A DOOR AND WITHIN 60" OF THE FLOOR
- WINDOWS WITH AN INDIVIDUAL PANE SIZE GREATER THAN 9 SQ. FT.
- GLASS WITHIN 18" OF THE FLOOR
- EXPOSED TOP EDGE GREATER THAN 36" ABOVE THE FLOOR
- ONE OR MORE WALKING SURFACES WITH IN 36" HORIZONTALLY

* CONTRACTOR AND WINDOW MANUFACTURER ARE EXPRESSLY RESPONSIBLE FOR WINDOWS MEETING ALL CODES, INCLUDING EGRESS.

FIRST FLOOR = 1418 SQ. FT.
GARAGE = 576 SQ. FT.
SCALE: 1/4" = 1'

THIS PROJECT DESIGNED W. PANEL METHOD

GENERAL BUILDING NOTES

WINDOW AND DOOR SIZES ARE NOMINAL, REFER TO INDIVIDUAL SUPPLIER CUT SHEETS

DUCTING

- DUCTS IN GARAGE AND PENETRATING WALLS AND CEILINGS MIN. 26 GAGE. NO OPENINGS IN GARAGE.

ELECTRICAL

- DO NOT DEVIATE FROM ELECTRICAL PLAN WITH OUT EXPRESS PERMISSION FROM DESIGNER OR OWNER.
- UNLESS OTHERWISE SPECIFIED, ELECTRICIAN SHOULD ASSUME THAT INTERIOR TRIM WIDTH IS 3/2" MINIMUM.

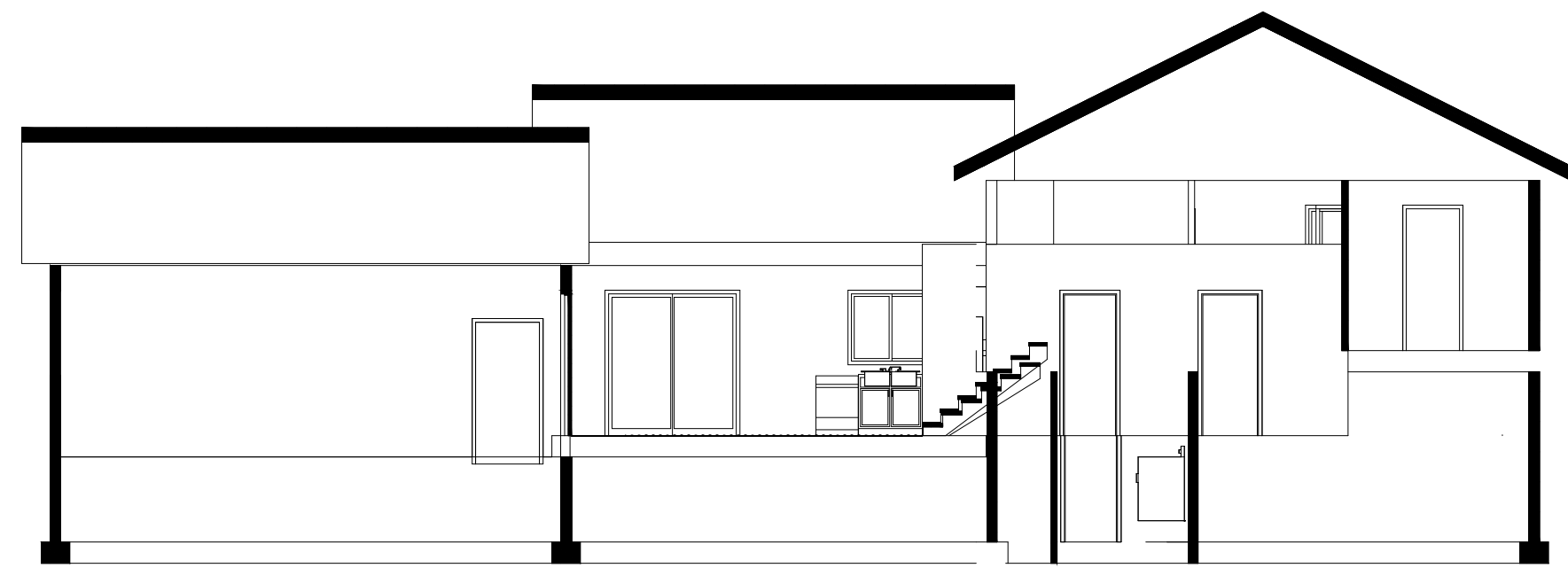
FOUNDATION / BASEMENT

- ALL BELOW GRADE LEVEL CONCRETE TO BE COVERED WITH APPROVED FOUNDATION COATING.
- CEMENT, FIBER-CEMENT OR GLASS MAT GYPSUM BACKER REQUIRED FOR WALL TILE IN SHOWERS AND TUB SURROUNDS, AND BEHIND SHOWER WALL PANELS

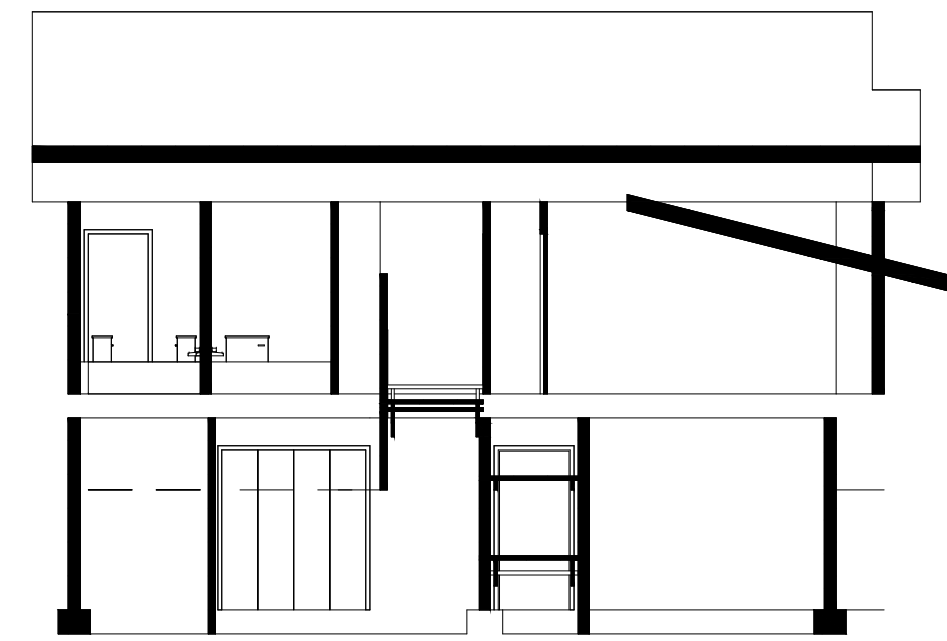
PLUMBING

- ALL TOILETS TO HAVE ELONGATED BOWLS AND PRESSURE ASSIST TANKS UNLESS OTHERWISE SPECIFIED.

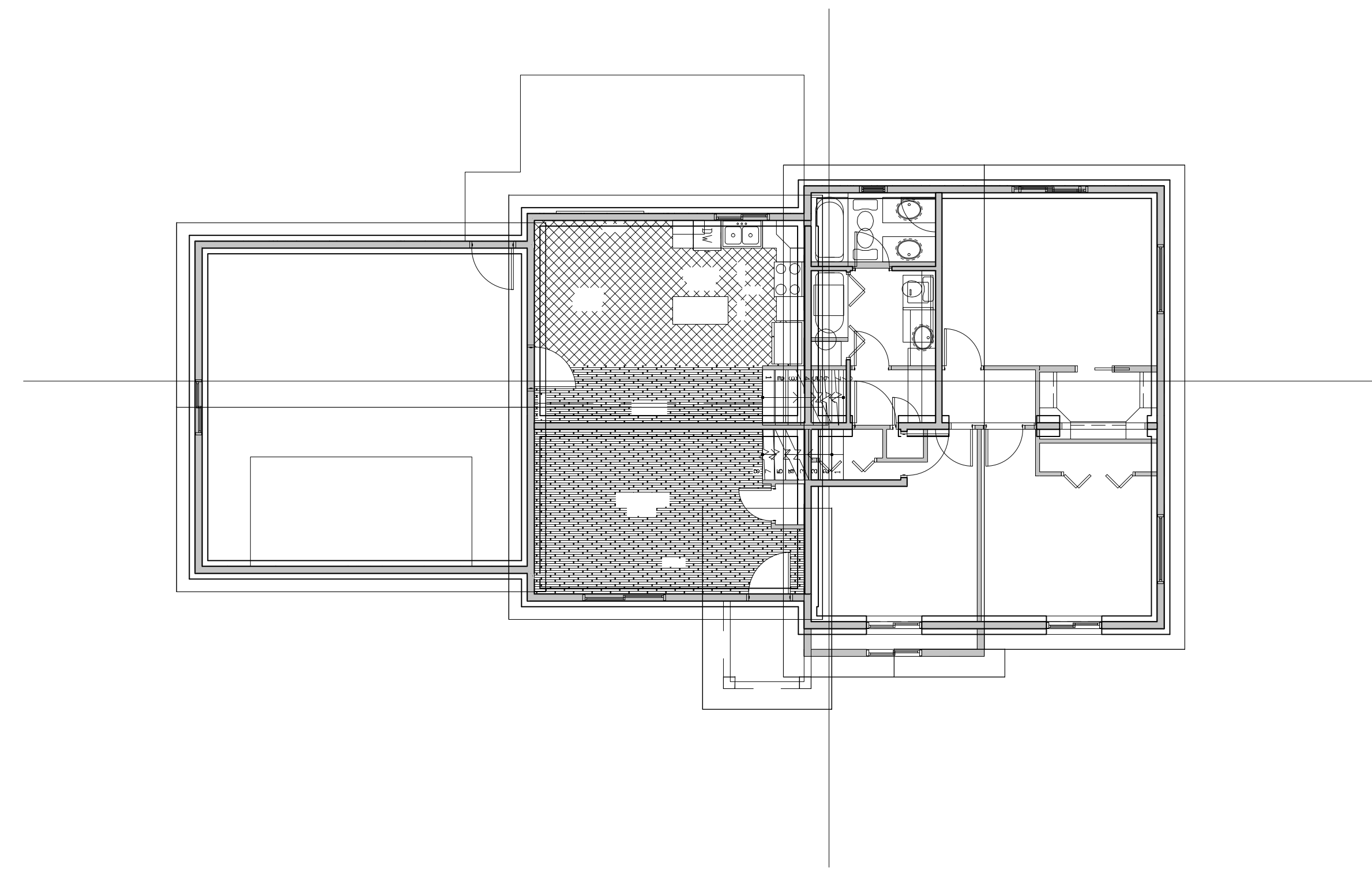
	Project Name:	Drawn by:	Date:
	THE FIRELIGHT	J. ARUNDLE	14 NOV. 15
		Revised by:	Date:
17-1/2 South Tracy Ave #B - Bozeman, MT 59715 406.551.0552	Project No.		
GENERAL CONTRACTOR: BEN NIBTLER	20151114		
phone #:	Scale: 1/4" = 1'-0"	Floor Plan Main Floor	
mobile #:			



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



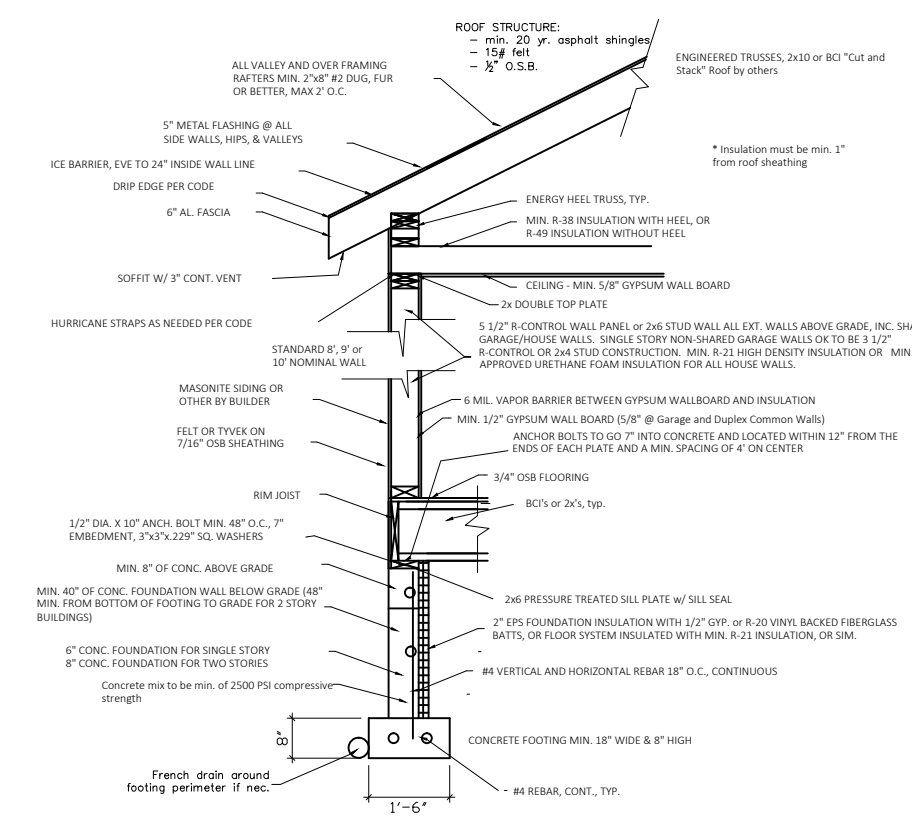
SECTION B
SCALE: 1/8" = 1'-0"



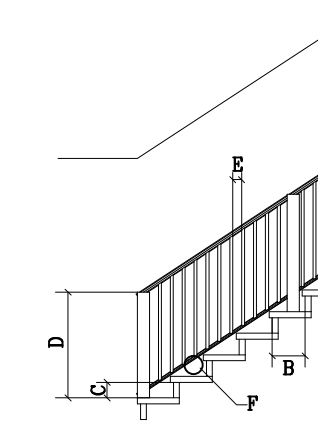
SECTIONS
SCALE: 1/8" = 1'-0"

* DETAILS, TYP. BUILDING SECTIONS AND CODE NOTES ARE NOT DRAWN TO SCALE

TYPICAL BUILDING SECTION
do not scale



TYPICAL STAIR SECTION



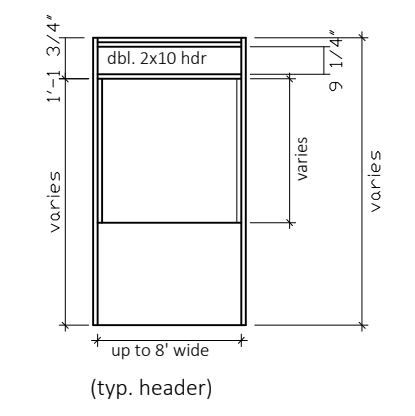
STAIR RULES (IRC R311, R312)
TYPICAL STAIRS:
MIN. FINISHED WIDTH = 36"
MAX. HANDRAIL PROJECTION = 1 1/2" each side
A = MIN. FINISHED HEAD CLEARANCE 6'-8"
(USING RECOMMENDED 5/8" x 1 1/2")
B = MIN. TREAD DEPTH = 10" w/ NOSING BETWEEN 3/4" AND 1 1/2"
C = MIN. RISE = 4", MAX RISE = 7 1/2"

SPIRAL STAIRS:
MIN. WIDTH = 20"
MIN. TREAD DEPTH @ 12" FROM NARROW END = 7 1/2"
MIN. HEAD HEIGHT = 6'-6"

ALL STAIRS:
ENCLOSED ACCESSIBLE SPACE UNDER STAIRS TO HAVE
MIN. 5" GYP. BOARD ON ALL SURFACES
HANDRAILS (REQUIRED FOR 3 OR MORE RISERS)
D = MIN. 34" MAX. 38" ABOVE TREAD
(DOWN TO CORNER 3/4")
MIN. 1" BETWEEN HANDRAIL AND WALL
GRIP SIZE PER IRC R311.4
MAY HAVE NELS, TURNOUT OR STARTING
ENDING AT LOWEST TREAD
GUARD RAILS (REQUIRED FOR 30" ABOVE FLOOR)
(OPEN STAIRS W/ RISE 30" OR MORE)
MIN. 36" IN HEIGHT FOR PORCHES, BALCONIES, ETC.
E = MIN. 36" VERTICALLY FROM NOSE OF TREAD
F = TRIANGULAR AREA FORMED BY RISER & BOTTOM RAIL DO NOT
ALLOW PASSAGE OF 6" SPHERE

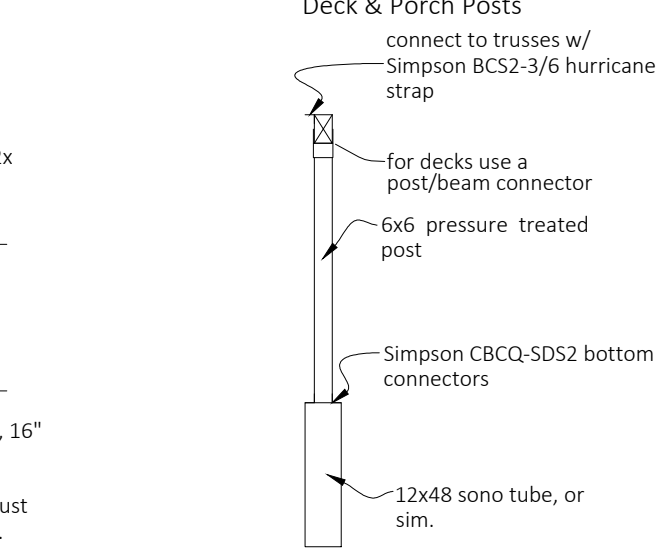
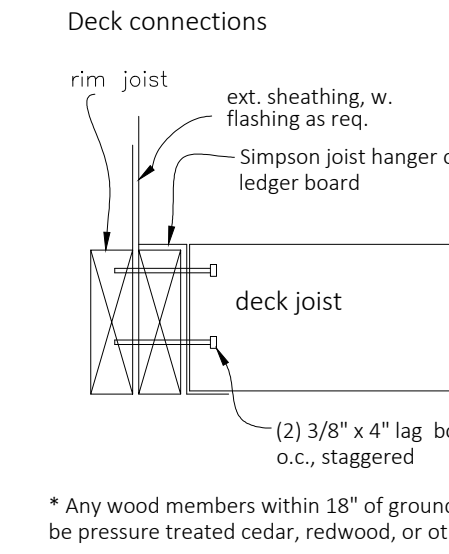
Plan follows the prescriptive code for
Seismic Design Category = D1
Design Wind Load = 90 mph (3 sec gust) exposure C
Basic Ground Snow Load = 46 PSF
Builder / Owner to be responsible for verifying accuracy and appropriateness

Panel Legend (Gyp. Board) Method
4" Exterior Panel (OSB)
Interior Panel (Gyp. Board Method, or sim.) - 96" of Gyp., fastened 7" O.C. (maybe 48" on each side of wall)
STHD 3D foundation strap, or sim., for Moment Framing, Panels within 12", or other.



Window and Door Legend
- Doors are noted in feet and inches
- Windows are noted in inches, with width first, height second
AR = Arched
CS = Casement
FX = Fixed
SL = Slider
AW = Awning
DH = Double Hung
SH = Single Hung
XOX = Double Slider
* Door and window sizes are nominal; actual sizes may vary per manufacturer.

* CONTRACTOR NOTE: ICE BARRIER IS REQUIRED (R905.2.7.1)
Shall extend from lowest edges of all roof surfaces to a point at least 24" inside the exterior wall line of the building.
You may meet this requirement with:
- Titanium Peel and Stick
- Weatherwatch
- Ice and Weather Armour by Tarco
- CCW Water and Ice Protection



This plan drawn in accordance with the:
- 2012 International Residential Code
- 2012 International Mechanical Code
- 2012 International Fuel Gas Code
- 2012 International Energy Conservation Code
- 2012 Uniform Plumbing Code
- 2014 National Electrical Code
* General Contractor is expressly responsible for code adherence

	Project Name: THE FIRELIGHT	Drawn by: J. ARUNDLE	Date: 14 NOV. 15
	17-1/2 South Tracy Ave #B - Bozeman, MT 59715 406.551.0552	Revised by:	Date:
GENERAL CONTRACTOR: BEN NIBTLER	Project No. 20151114		
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