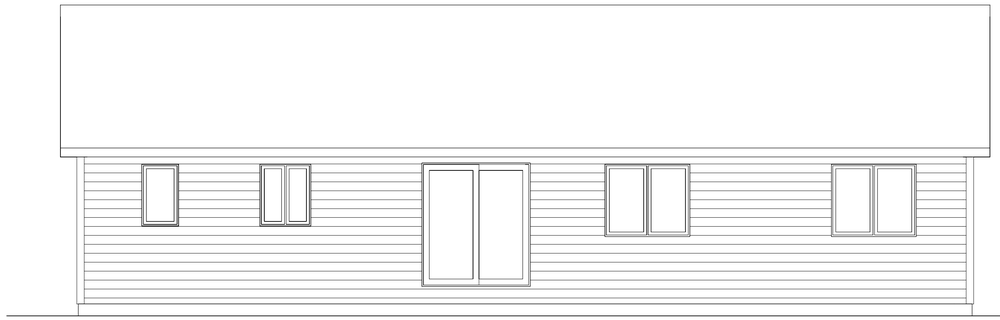
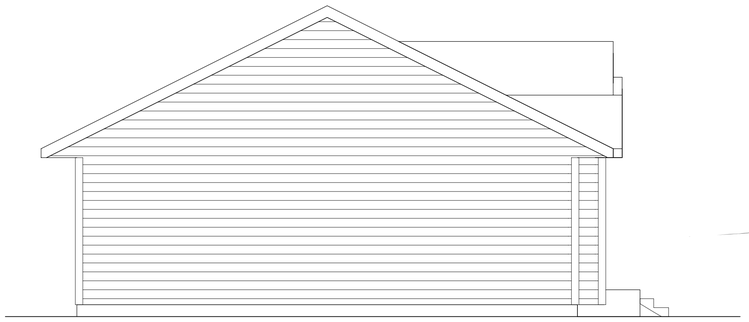
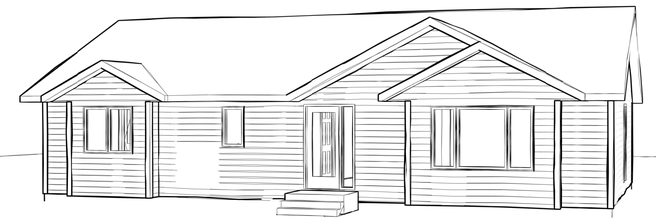


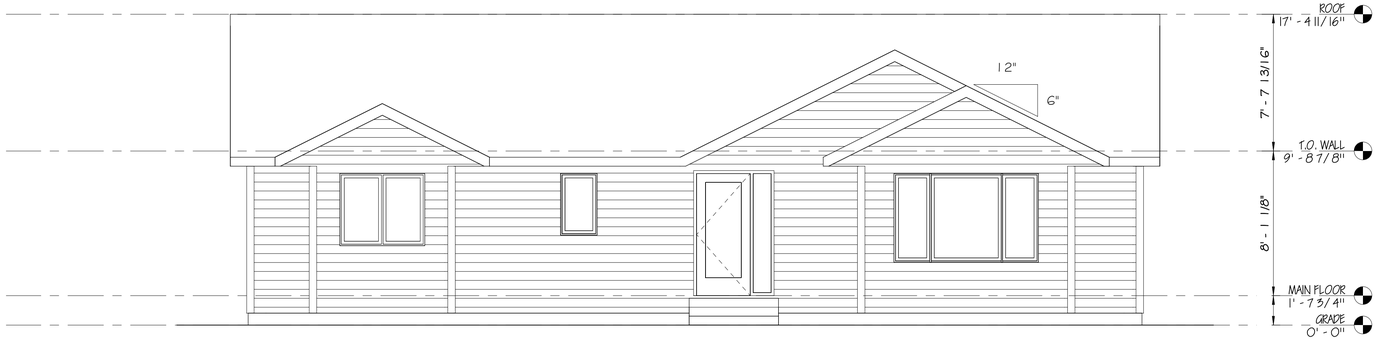
4 / A1 REAR
1/4" = 1'-0"



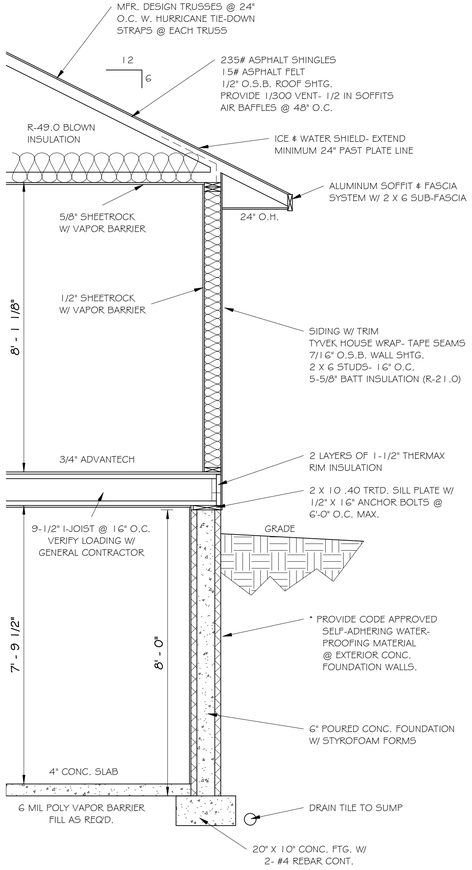
2 / A1 LEFT
1/4" = 1'-0"



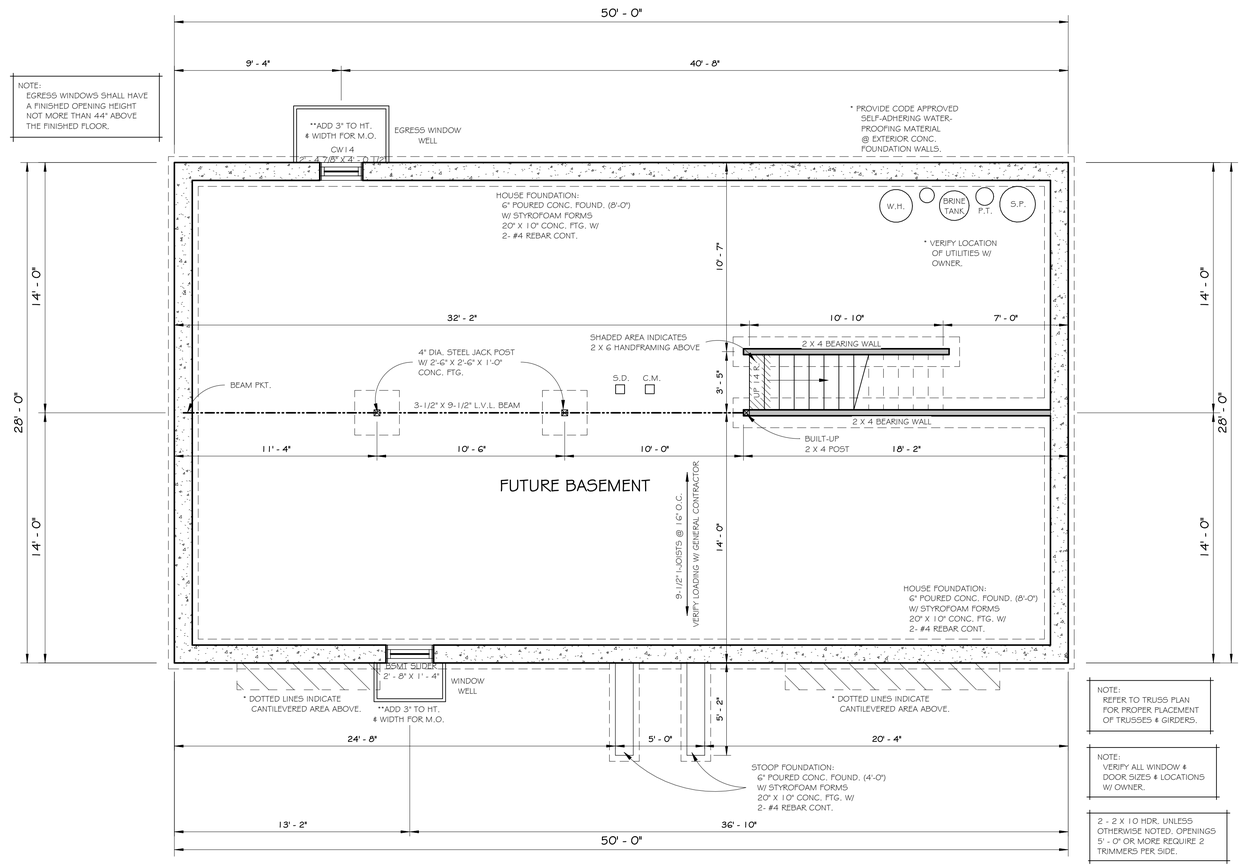
3 / A1 RIGHT
1/4" = 1'-0"



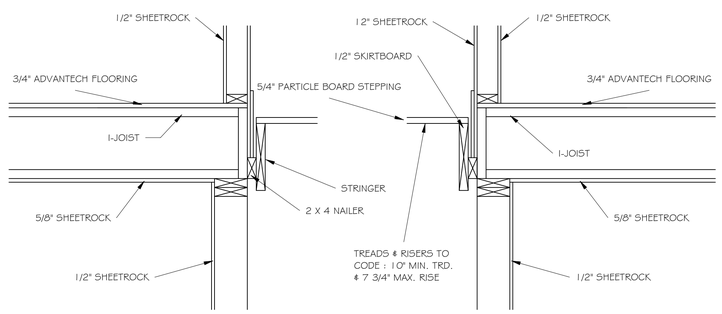
1 / A1 FRONT
1/4" = 1'-0"



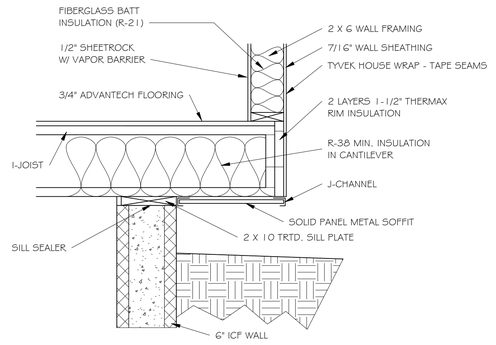
2 / A2 – Wall Section
1/2" = 1'-0"

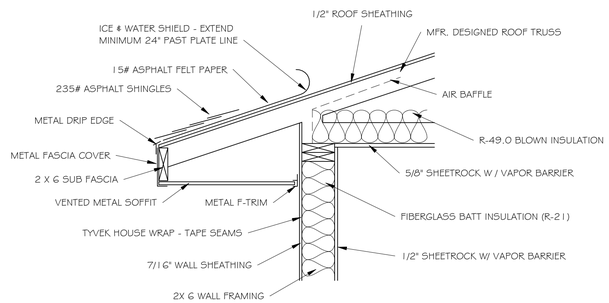


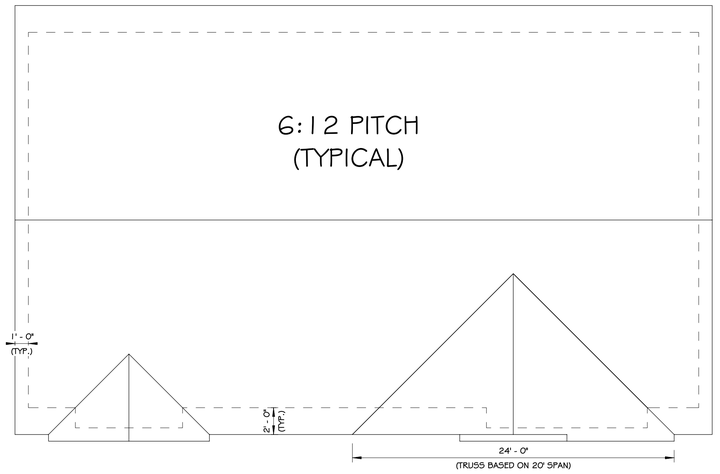
1 / A2 BASEMENT PLAN
1/4" = 1'-0"



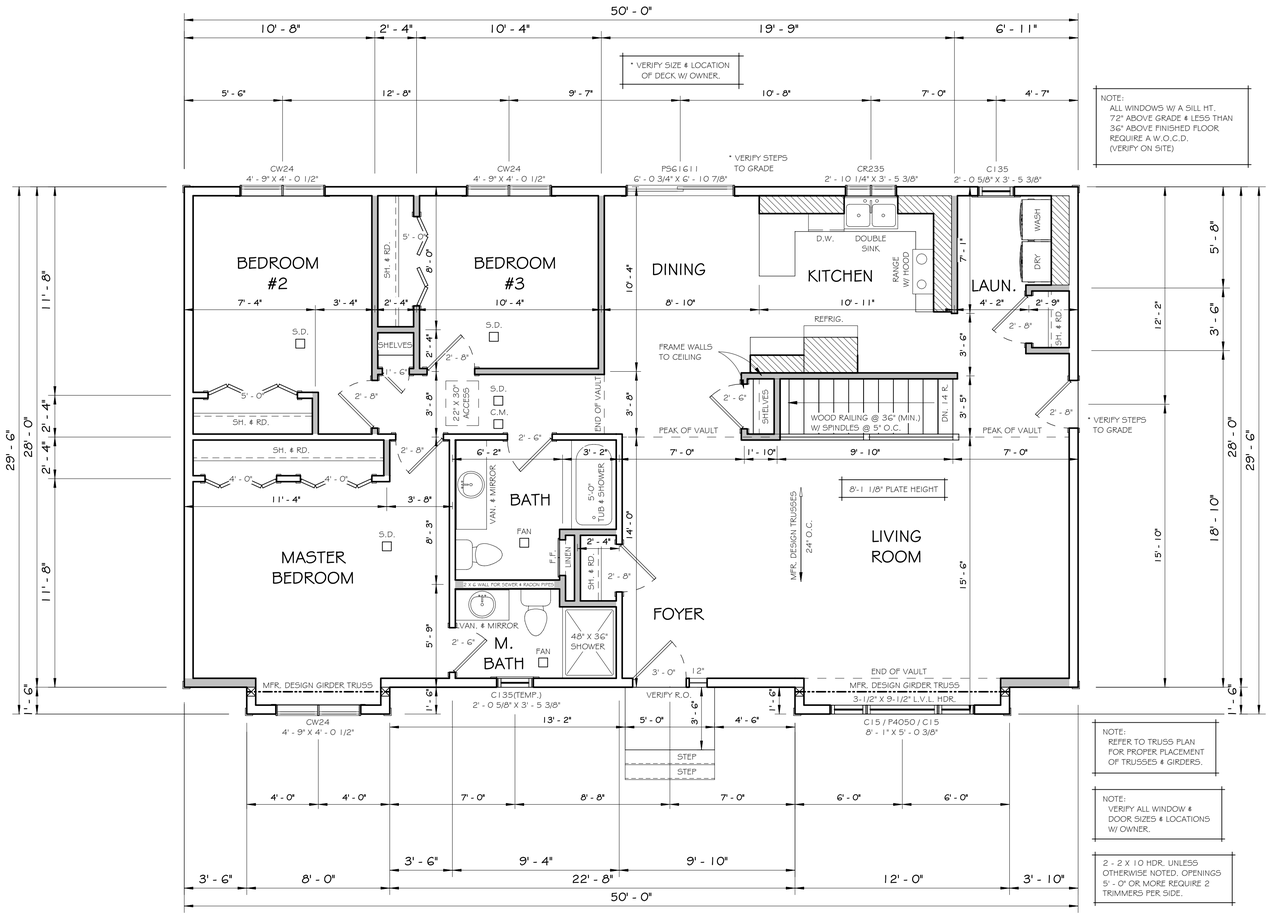
3 / A2 – Details
1" = 1'-0"







3 / A3 ROOF PLAN
3/16" = 1'-0"



1 / A3 MAIN LEVEL
1/4" = 1'-0"

PASSIVE SUB-SLAB DEPRESSURIZATION RADON CONTROL SYSTEM FOR NEW CONSTRUCTION

NOTES:

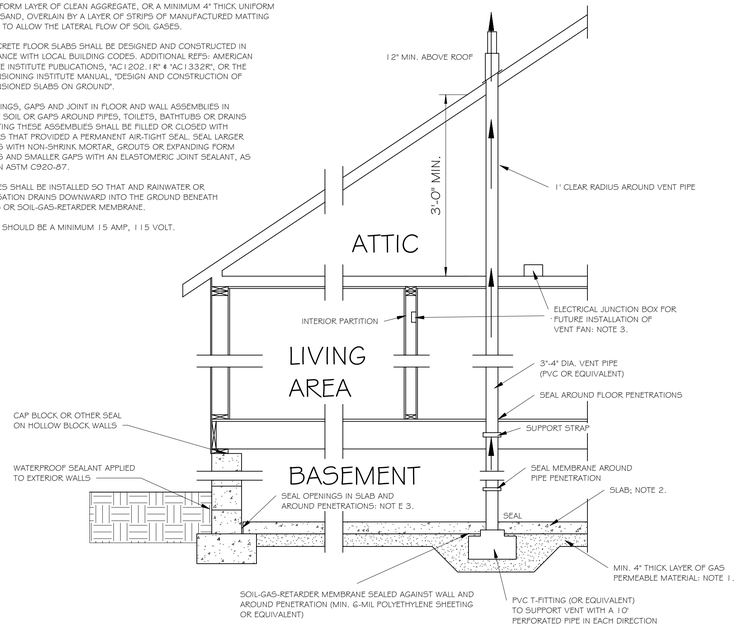
1. ALL CONCRETE SLABS THAT COME IN CONTACT WITH THE GROUND SHALL BE LAID OVER A GAS PERMEABLE MATERIAL MADE UP OF EITHER A MINIMUM 4" THICK UNIFORM LAYER OF CLEAN AGGREGATE, OR A MINIMUM 4" THICK UNIFORM LAYER OF SAND, OVERLAIN BY A LAYER OF STRIPS OF MANUFACTURED MATTING DESIGNED TO ALLOW THE LATERAL FLOW OF SOIL GASES.

2. ALL CONCRETE FLOOR SLABS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL BUILDING CODES. ADDITIONAL REFS: AMERICAN CONCRETE INSTITUTE PUBLICATIONS, "ACI 202.1R" & "ACI 332R", OR THE POST TENSIONING INSTITUTE MANUAL "DESIGN AND CONSTRUCTION OF POST-TENSIONED SLABS ON GROUND".

3. ALL OPENINGS, GAPS AND JOINT IN FLOOR AND WALL ASSEMBLIES IN CONTACT SOIL OR GAPS AROUND PIPES, TOILETS, BATHTUBS OR DRAINS PENETRATING THESE ASSEMBLIES SHALL BE FILLED OR CLOSED WITH MATERIALS THAT PROVIDED A PERMANENT AIR-TIGHT SEAL. SEAL LARGER OPENINGS WITH NON-SHRINK MORTAR, GROUTS OR EXPANDING FORM MATERIALS AND SMALLER GAPS WITH AN ELASTOMERIC JOINT SEALANT, AS DEFINED IN ASTM C920-87.

4. VENT PIPES SHALL BE INSTALLED SO THAT AND RAINWATER OR CONDENSATION DRAINS DOWNWARD INTO THE GROUND BENEATH THE SLAB OR SOIL-GAS-RETARDER MEMBRANE.

5. CIRCUITS SHOULD BE A MINIMUM 15 AMP, 115 VOLT.



2 / A3 - Radon Section
1/2" = 1'-0"