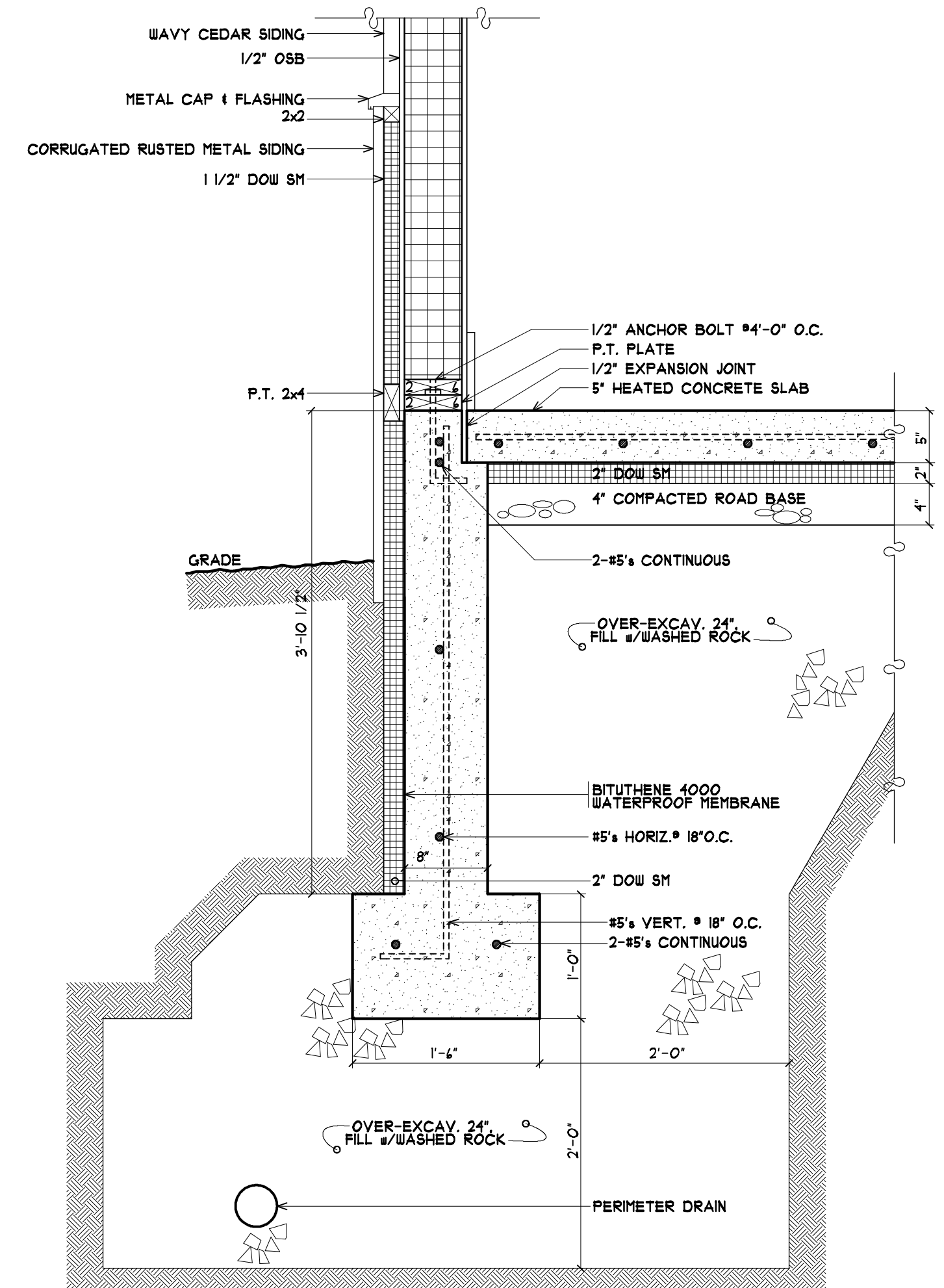
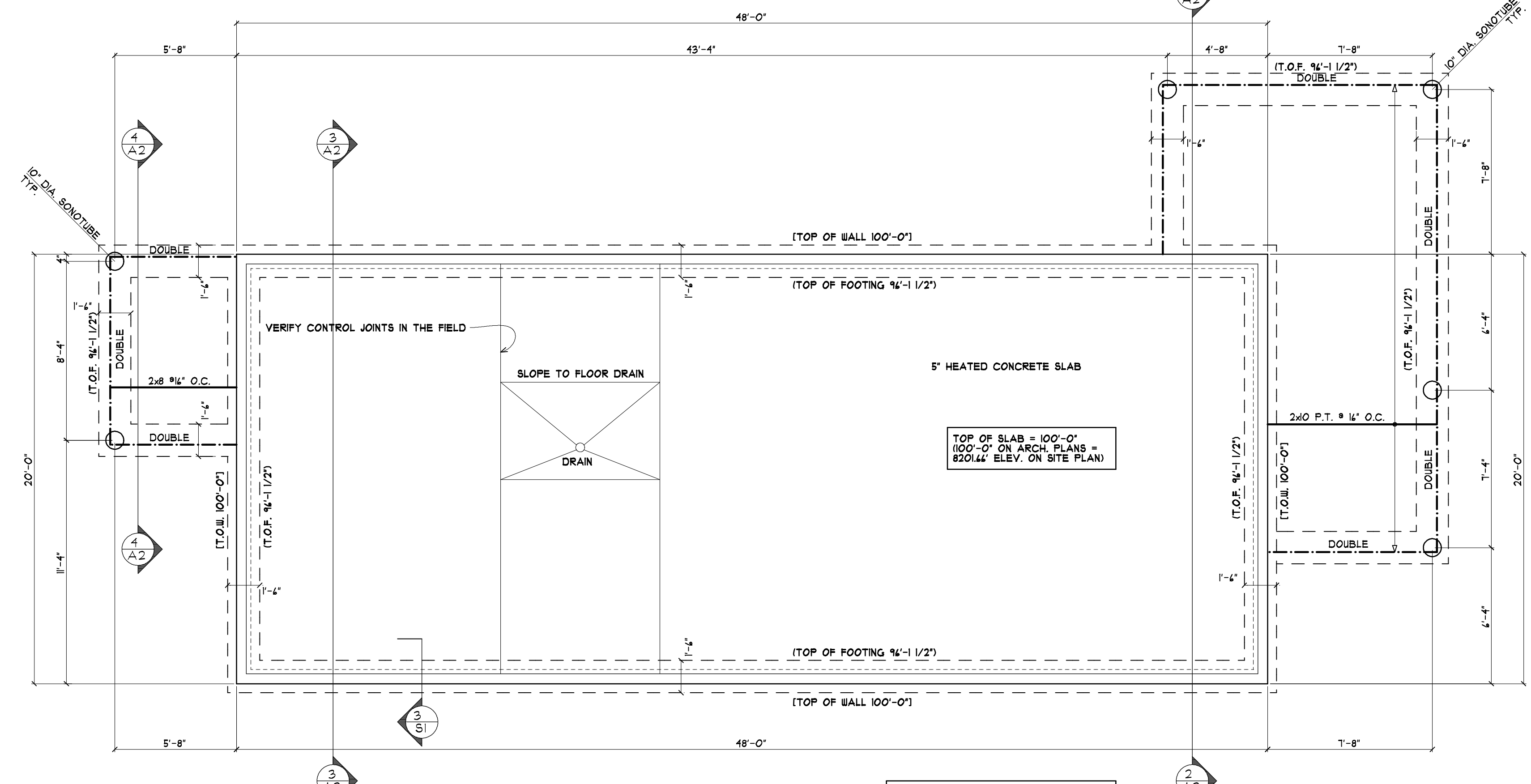


GENERAL NOTES:

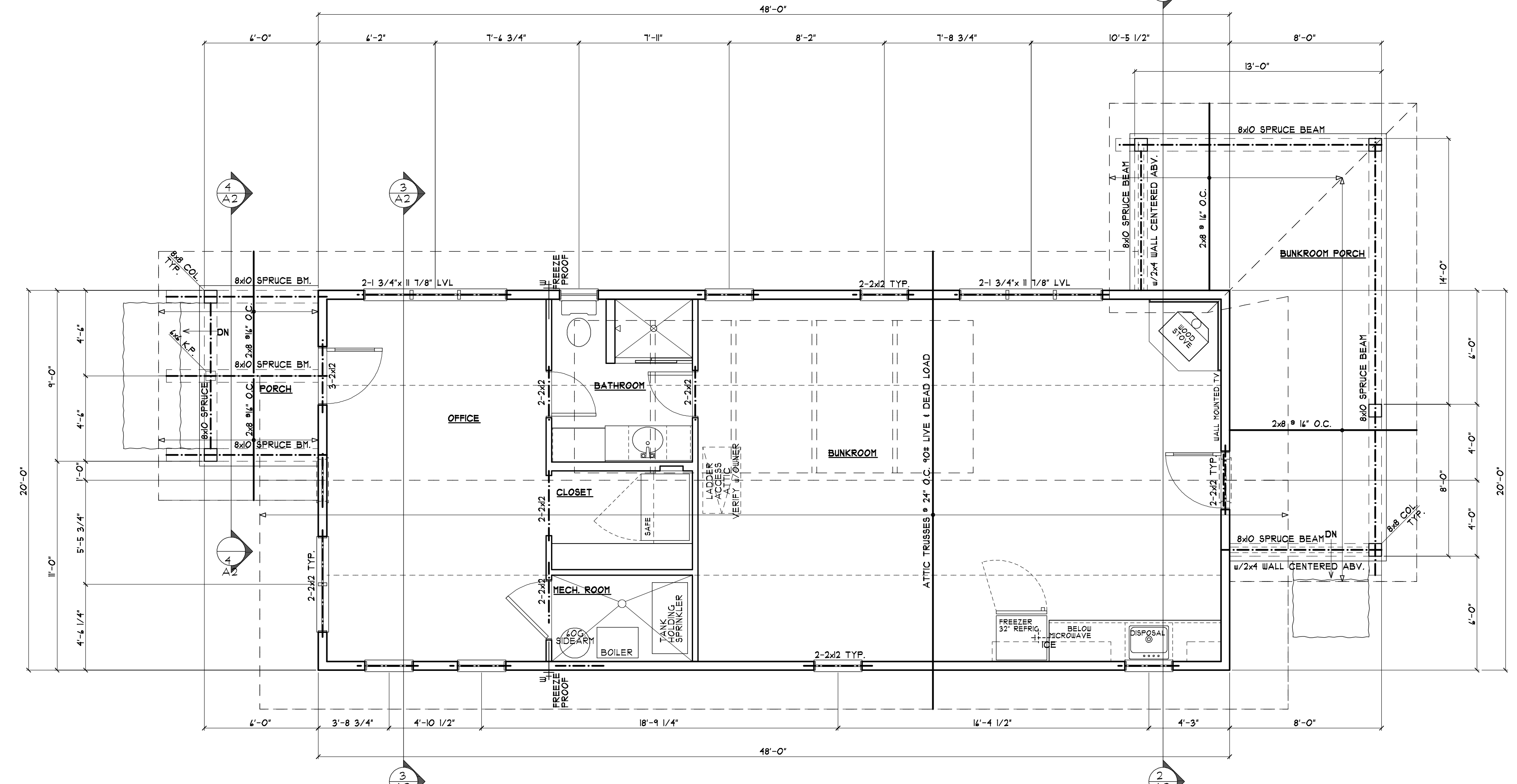
- LIVE LOADS USED IN DESIGN:
 - A. RESIDENTIAL 40 PSF
 - B. EARTHQUAKE ZONE 4
 - C. FLOOR 40 PSF
 - D. ROOF 20 PSF
- CONCRETE:
 - A. ALL CONCRETE FOR FOOTINGS, FOUNDATION WALLS & GRADE BEAMS SHALL BE TYPE I CEMENT, STONE AGGREGATE & SHALL DEVELOP 5000 PSI COMPRESSIVE STRENGTH IN 28 DAYS. CONCRETE SLABS ON GRADE SHALL BE TYPE I CEMENT, STONE AGGREGATE & SHALL DEVELOP 4000 PSI COMPRESSIVE STRENGTH IN 28 DAYS. ALL CONCRETE SHALL HAVE A MINIMUM SLUMP OF 3" AT THE TRUCK. A MAXIMUM WATER/CEMENT RATIO OF 0.45.
 - B. ALL REINFORCING BARS SHALL BE ASTM A63 GRADE 60 CONCRETE PROTECTION FOR REINFORCEMENT UNLESS OTHERWISE NOTED.
 - C. CONCRETE POURED AGAINST EARTH:
 - 1. CONCRETE POURED IN FORMS BUT EXPOSED TO WEATHER OR EARTH.
 - 2. 45 BARS OR SMALLER.
 - 3. BARS LARGER THAN #4: 1/2" AT POSITIVE SHOW UP BARS.
 - D. COLUMNS, GIRDERS & BEAMS (PRINCIPAL REINFORCEMENT, TIES & LISTS):
 - 1. SLABS & WALLS: 2/4"
 - 2. NO SPICES OF REINFORCEMENT SHALL BE MADE & NO WELDING TO REINFORCING SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. LAP SPICES, WHERE PERMITTED, SHALL BE A MINIMUM OF 34 BAR DIAMETERS.
 - 3. DETAIL BARS IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI DETAILING MANUAL & ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
 - 4. PROVIDE ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIVE SHOW UP BARS.
 - 5. ALL BARS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE. ANY STOP IN CONCRETE WORK MUST BE MADE AT CENTER OF SPAN & APPROVED BY THE ARCHITECT ON THE DRAWINGS. UNLESS OTHERWISE SHOWN, ALL CONSTRUCTION JOINTS SHALL BE AS CONTINUOUS BARS IN WALLS, BEAMS & GRADE BEAMS SHALL BE SPOCCED AT SPAN FOR TOP BARS & OVER THE SUPPORT FOR BOTTOM BARS.
 - 6. CONCRETE WALL REINFORCING FOR WALLS 8" OR GREATER IN HEIGHT SHALL BE #5 VERTICAL AT 2' ON CENTER. DOUBLES AT 2' ON CENTER FOR WALLS 4" OR LESS IN HEIGHT. REINFORCING SHALL BE #4 VERTICAL @ 16" DOUBLES AT 24" ON CENTER. FULL HEIGHT OF WALL UNLESS OTHERWISE NOTED.
 - E. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 EXCEPT TUBES COLUMNS WHICH SHALL CONFORM TO ASTM A500 GRADE B, LATEST EDITIONS.
 - F. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED & ERRECTED IN ACCORDANCE WITH LATEST PROVISIONS OF AISC MANUAL OF STEEL CONSTRUCTION & AISC CODE OF STANDARD PRACTICE.
 - G. USE STANDARD FRAMED BEAM CONNECTIONS 3/4" BOLTS (OR NEAREST EQUIVALENT) UNLESS OTHERWISE NOTED. SELECT CONNECTIONS TO SUPPORT ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY FOR EACH BEAM & 1/2 THE EFFECT OF CONCENTRATED LOADS. ALSO BE CONSIDERED FOR BEAMS & GIRDERS. SHALL ALSO BE CONSIDERED FOR THE AUS STANDARD QUALIFICATION TESTS.
 - H. ALL WOOD FOR STRUCTURAL BRACING SHALL BE STRESS-GRADED KILN DRIED DOUGLAS FIR, HEM FIR OR LARCH. GRADING SHALL BE PER NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADED LUMBER & ITS FASTENINGS BY NATIONAL FOREST PRODUCTS ASSOCIATION.
 - 1. ALL BEAMS & COLUMNS SHALL BE STRESS-GRADED "NO. 1".
 - 2. ALL JOINTS & HEADS SHALL BE STRESS-GRADED "NO. 1".
 - 3. ALL WALL STUDS & PLATES LARGER THAN 2x4 SHALL BE STRESS-GRADED "NO. 1".
 - 4. ALL BLOCKING & BRIDGING MAY BE STRESS-GRADED "NO. 2".
 - 5. ALL SILL PLATES BEARING ON CONCRETE SHALL BE REDWOOD OR PRESSURE TREATED PERIODICALLY TO JOISTS.
 - I. PROVIDE W CROSS BRACING NOT OVER 8'-0" ON CENTER FOR ALL WOOD JOISTS & SOLID BRIDGING BETWEEN JOISTS AT SUPPORTS.
 - J. PROVIDE DOUBLE JOISTS UNDER ALL PARTITIONS RUNNING PARALLEL TO JOISTS & SOLID BLOCKING BETWEEN JOISTS UNDER ALL PARTITIONS RUNNING PERPENDICULAR TO JOISTS.
 - K. TRUSS CONNECTORS CALLED FOR ON THE DRAWINGS ARE AS MANUFACTURED BY SIMPSON COMPANY. CONNECTORS BY OTHER MANUFACTURERS MAY BE USED IF THEY ARE ISO APPROVED & THEIR LOAD CAPACITY IS EQUAL TO OR GREATER THAN THE CONNECTOR SPECIFIED. USE MANUFACTURER'S FURNISHED NAILS & BOLTS.
 - L. UNLESS A STRONGER CONNECTION IS DETAILED, CONNECT ROOF JOISTS TO BEARING PLATES WITH ANCHOR BOLTS. ANCHORS SHALL BE CONTINUOUS UNLESS OTHERWISE SHOWN. ALL COLUMNS NOT OTHERWISE NOTED SHALL BE 3-2x3x1/2" IN INTERIOR WALLS & 3-2x4 IN EXTERIOR WALLS.
 - M. ALL WOOD MEMBERS IN COMMON WALLS ACCORDING TO THE 2003 INTERNATIONAL RESIDENTIAL CODE SCHEDULE UNLESS OTHERWISE NOTED.
 - N. PLYWOOD FOR ROOF WALL & FLOOR SHEATHING SHALL BE DFLA GRADE TYPEDARKER INTERIOR OR BIRCH. GRADE UNLESS OTHERWISE NOTED. SHALL CONFORM TO STANDARD PS 1-1/4 OF THE AMERICAN PLYWOOD ASSOCIATION. TWO SHANK NAILS SHALL BE USED ON ALL ROOF & FLOOR SHEATHING. FLOOR SHEATHING SHALL BE GLED TO JOISTS & BEAMS. ALL EXTERIOR WALLS SHALL HAVE ONE LAYER OF PLYWOOD NAILED W/ 8D COMMON NAILS # 7 ALONG PANEL EDGES & 1 1/2" AT INTERMEDIATE BRACING MEMBERS. ONE LAYER OF 1/2" GYPSUM NAILED W/ 8D COOLER OR PARKER NAILS AT 2' AT ALL SUPPORTS. PLYWOOD SHALL BE 1/2" AT ROOF & 3/4" AT FLOORS. PLACED W/ 8" DIMENSION PERPENDICULAR TO SPAN OF FRAMING MEMBERS. 1/4" JOINTS STAGGERED. NAIL W/ 8D NAILS SPACED 2' ALONG PANEL EDGES & 12" AT INTERMEDIATE BRACING MEMBERS.
 - O. LAMINATED BEAMS:
 - 1. ALL LAMINATED MEMBERS SHALL BE FABRICATED W/ LUMBER OF ONE OF THE FOLLOWING SPECIES: WEST COAST DOUGLAS FIR, WESTERN LARCH OR SOUTHERN PINE # 1 & 2x4".
 - 2. LAMINATED MEMBERS SHALL BE DETAILED & FABRICATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR LUMBER DESIGN & FABRICATION OF STRUCTURAL GLUED LAMINATED LUMBER FURNISHED BY THE AITC (THE APPROPRIATE LUMBER PRODUCERS ASSOCIATION).
 - 3. ALLOWABLE UNIT STRESSES REQUIRED FOR DRY CONDITIONS OF USE FOR COMBINATION 2-F LAMINATED MEMBERS ARE AS FOLLOWS:
 - A. BENDING: 2400 PSI
 - B. TENSION PARALLEL TO GRAIN: 1800 PSI
 - C. COMPRESSION PARALLEL TO GRAIN: 1800 PSI
 - D. HORIZONTAL SHEAR: 180 PSI
 - E. COMPRESSION PERPENDICULAR TO GRAIN: 450 PSI TENSION FACE
 - 4. LAMINATED MEMBERS SHALL BE BUILT UP USING 2" NOMINAL SIZES ARE NOMINAL.
 - 5. PREFABRICATED WOOD TRUSSES SHALL BE CONSTRUCTED W/ KILN DRIED MEMBERS & 1/20 GAUGE GALVANIZED STEEL SIDE PLATES W/ DEFORMED TEETH AS APPROVED BY THE TRUSS PLATE MANUFACTURER.
 - P. FOUNDATIONS:
 - 1. SOIL DATA WAS TAKEN FROM RECOMMENDATIONS SET FORTH IN REPORT BY BUCKHORN GEOTECH DATED 1/24/2009.
 - 2. A REPRESENTATIVE SOIL BEARING CAPACITY REPORT OFFICE SHALL BE PROVIDED TO THE ARCHITECT PRIOR TO PLACEMENT OF FOUNDATIONS.
 - 3. ALL DIMENSIONS OF STRUCTURAL DRAWINGS SHALL BE CHECKED AGAINST ARCHITECTURAL.
 - 4. THE ARCHITECT'S APPROVAL MUST BE SECURED FOR ALL SUBSTITUTIONS.
 - 5. DO NOT BACKFILL AGAINST WALLS UNTIL FIRST FLOOR IS IN PLACE.
 - 6. VERIFY ALL OPENINGS THROUGH FLOOR ROOF & WALLS BY MECHANICAL & ELECTRICAL CONTRACTORS.
 - 7. THE REQUIREMENTS OF THE LATEST EDITION OF THE OSHA CONSTRUCTION STANDARDS SHALL BE COMPLIED W/ BY ALL CONTRACTORS, FABRICATORS & SUPPLIERS.
 - 8. DURING ERECTION OF THE BUILDING THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY BRACING TO WITHSTAND ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED, INCLUDING LATERAL LOADS, STOKPLES OF MATERIALS & EQUIPMENT. SUCH BRACING SHALL BE LEFT IN PLACE AS LONG AS MAY BE REQUIRED FOR SAFETY & UNTIL ALL STRUCTURAL FRAMING & DIAPHRAGMS ARE IN PLACE & CONNECTIONS COMPLETED.
 - 9. FLOOR SYSTEMS, JOISTS, OPENINGS FOR STAIRS, BEARING WALLS TO HAVE 1/2" MIN. BEARING ON TWO SILL HANGERS, ETC.
 - 10. HEADERS & SILLERS IN FRAMING FOR PLYWOOD & MECHANICAL THAT ARE CLOSER THAN 5/8" TO THE EDGE * SOLE * TOP PLATES TO HAVE FULL STRIPS.
 - 11. JOIST HANGERS TO BE COMPLETELY NAILED.
 - 12. BEAMS & HEADERS TO HAVE JACK STUDS & TRIMMERS, DOUBLE F. DOUBLE TRIMMERS FOR SPANS GREATER THAN 5'-0".



3 CONC. WALL & SLAB
 SCALE: 1"=1'-0"



1 FOUNDATION & FIRST FLOOR FRAMING PLAN
 SCALE: 1/4"=1'-0"



2 ROOF FRAMING PLAN
 SCALE: 1/4"=1'-0"

REVISIONS:

PROJECT:
MACGREGOR BUNK HOUSE
 22 CR 121 (MILL CREEK)
 GUNNISON COUNTY, CO

SHEET NAME:
**FOUNDATION PLAN, DETAIL,
 GENERAL NOTES &
 ROOF FRAMING PLAN**

DATE: **04/05/2010** SHEET NO: **SI**