

SHEET  
**S2.1**

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**ADDRESS TBD**  
**Nistler Columbia Garden #1 - Butte, MT**  
Updated: November 17, 2010 - CLIENT REVIEW SET

**CRAWL SPACE NOTES:**

EACH SEPARATE CRAWL SPACE AREA TO HAVE 6 MIL VAPOR BARRIER OVER 6" CRUSHED GRAVEL. SEAM OVERLAP SHALL BE 6" MIN. & BE SEALED/TAPED. EDGES ARE TO EXTEND 6" MIN. UP STEM WALL & BE SEALED/TAPED.

EQUIPMENT INSTALLED AT GRADE LEVEL SHALL BE SUPPORTED ON A LEVEL CONCRETE SLAB AS INDICATED ON THE DRAWINGS AND EXTENDING A MIN. 3" ABOVE ADJOINING GRADE OR SUSPENDED A MIN. 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 APPLANCE CONNECTION WITHIN 36" OF THE EQUIPMENT.

FURNACE TO BE LOCATED WITHIN 20" OF THE CRAWL SPACE OPENING (RE: PLAN). AN APPROVED INDEPENDENT MEANS OF DISCONNECT FOR THE ELECTRICAL SUPPLY TO EACH PIECE OF EQUIPMENT (SVC BOX).

A PERMANENT SWITCH CONTROLLED LIGHT SHALL BE INSTALLED FOR MAINT. OF EQUIPMENT TO BE READY ACCESSIBLE.

A 120 VOLT SERVICE RECEPTACLE SHALL BE INSTALLED WITHIN 25' OF AND ON THE SAME LEVEL AS THE EQUIPMENT FOR MAINTENANCE.

A PERMANENT LADDER SHALL BE CONSTRUCTED AT THE CRAWL SPACE OPENING TO PROVIDE ACCESS TO THE CONCRETE PAD BENEATH AND BE PROPERLY SECURED.

**ANCHOR BOLTS:**

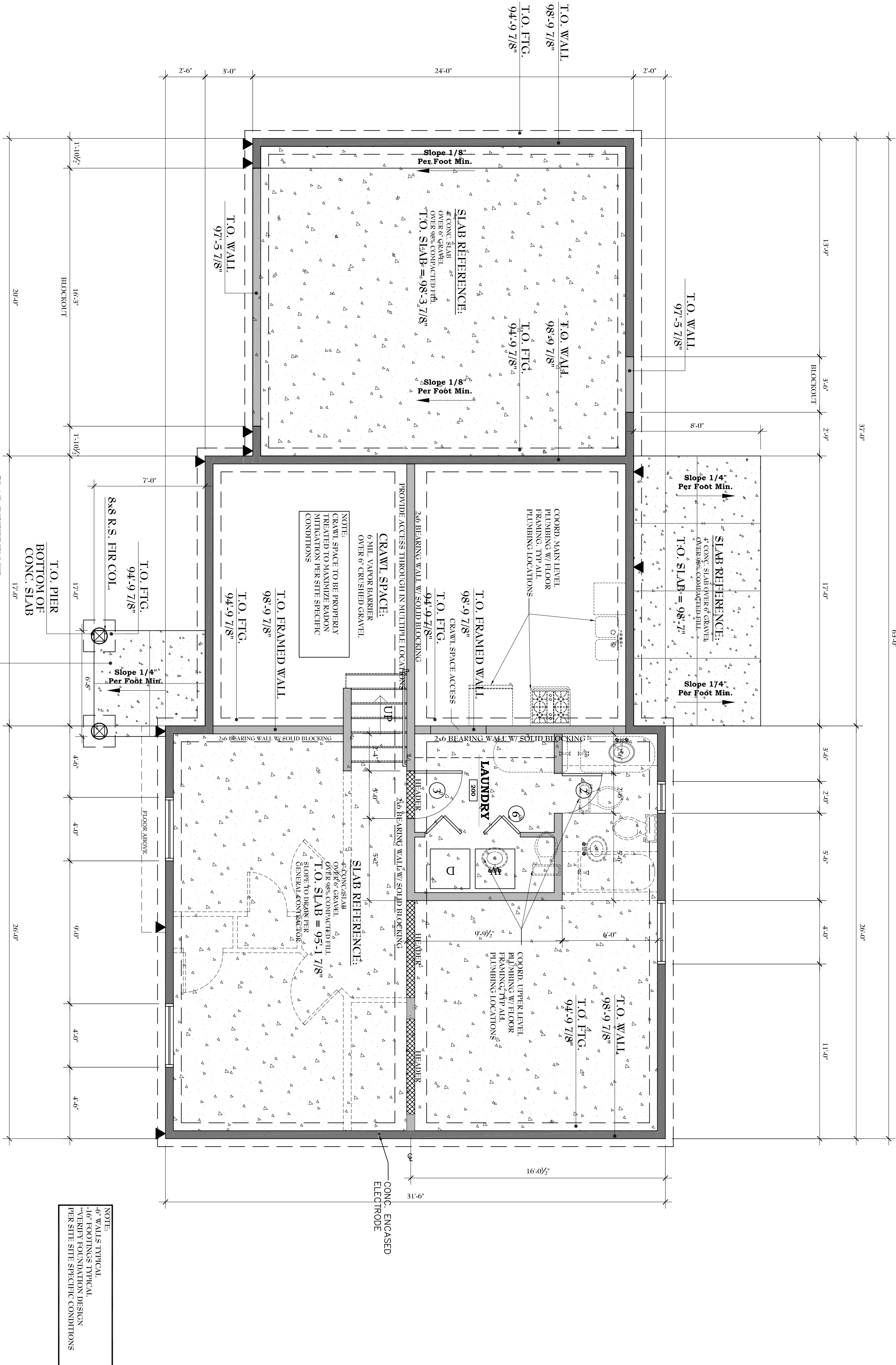
ANCHOR BOLTS ARE TO EXTEND A MIN. OF 7" INTO CONCRETE AND BE LOCATED WITHIN 12", BUT NOT LESS THAN 7 BOLT DIAMETERS FROM THE ENDS OF EACH PLATE. SPACING SHALL BE AS INDICATED ON EACH DETAIL (SHEET S1.2).

▲ DENOTES HOLD DOWN  
(SNIPSON STD1) (4 OR HIT 2)  
W/ 3/8" DIA. X 12" ANCHOR BOLTS CAST IN  
CONCRETE (EPOXY OR EMBEDDED)

**FOUNDATION/FIN FLOOR ELEVATION:**

TOP OF FOUNDATION TO BE SET A MIN. OF 12"-18"  
ABOVE TOP BACK OF CURB.

NOTE:  
1. IS TYPICAL  
2. 16" FOOTINGS TYPICAL  
3. HEAVY FOUNDATION DESIGN  
PER SITE SPECIFIC CONDITIONS



**FOUNDATION/LOWER LEVEL PLAN**

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

