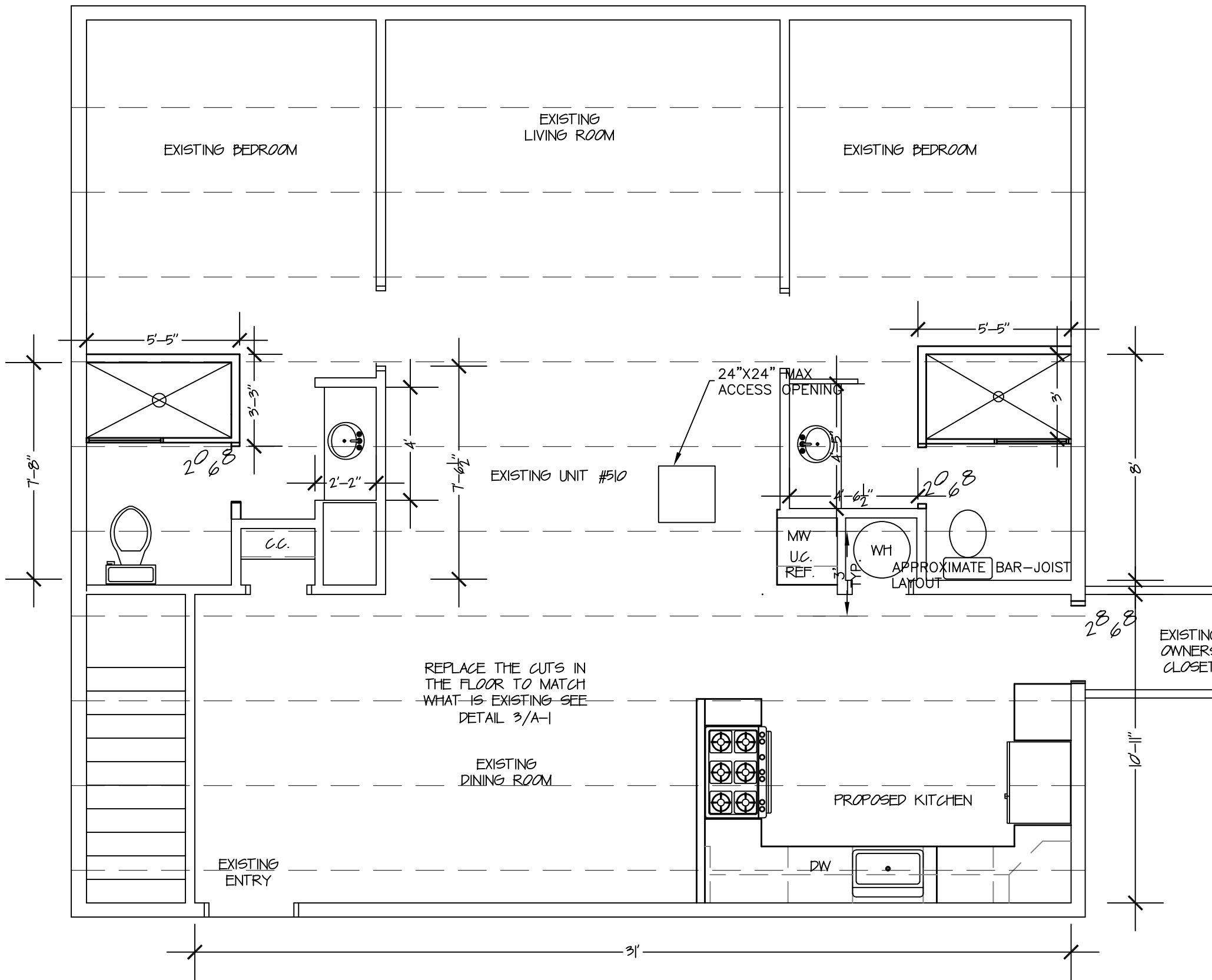


Reviewed
for Code
Compliance

07/19/2024



2
A-1

PROPOSED FLOOR PLAN
SCALE: 1/4" = 1'-0"

1
FLOOR ACCESS PLAN
SCALE: 1/4" = 1'-0"

CONTRACTOR TO VERIFY
EXISTING DIMENSIONS IF
DISCREPANCIES ARISE,
NOTIFY YAMPA VALLEY ENG.
PRIOR TO CONSTRUCTION

Design Loads
Floors 50 PSF

The design herein and all construction standards shall utilize the 2018 International Building Code.

Concrete:

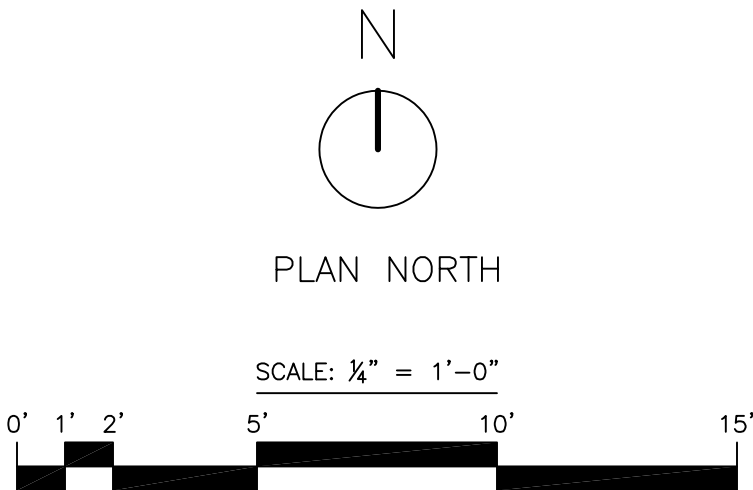
- Place footings on firm, undisturbed natural soil. Footings placed on compacted fill shall require the approval of a geotechnical engineer.
- No concrete shall be poured on frozen sub-grade or be subject to freezing conditions until fully cured.
- All concrete form work shall be adequately braced and tied to form true lines, square corners and plumb walls. Trench forming is not allowed.
- All cast-in-place concrete shall be type I/II and develop 3,000 PSI compressive strength in 28 days.
- All concrete work and reinforcement detailing shall be in accordance with ACI Building Code 301 and 318.
- All reinforcing shall be deformed bars conforming to ASTM A615 grade 60. Deformed bars specified to be field bent, stirrups, and ties can be grade 40, UNO.
- Welded wire fabric shall conform to ASTM 185 and shall be lapped 1 full mesh at splices and be tied together.
- Concrete protection for reinforcement shall be:
 - 3" minimum for concrete cast against earth
 - 2" minimum for concrete poured in forms
 - 3/4" in slabs and walls, not exposed to weather
- Reinforcement shall be fabricated and placed per ACI 315. Make all bars continuous around corners. Lap splices shall be a minimum of 50 bar diameters.
- Slabs, footings, and walls shall not have joints in a horizontal plane. Any stop in concrete work (cold joints) must be made at a third point of span with vertical bulkheads and horizontal shear keys. Continue top bar in wall down through corners of openings for 2'-0" & tie with a vertical bar 3' from opening.

Metals:

-
- Miscellaneous clips, anchors and connectors shall be Simpson strong tie or approved equal, unless otherwise noted. Products shall be installed in accordance with manufacturer's instructions.
- All steel shall be fabricated and erected per AISC Steel Construction Manual.
- Welding shall be done by a qualified welders.

PLUMBING ACCESS PENETRATION CUT PROCEDURE, INFORMATION AND REQUIREMENTS:

- CONCRETE AND METAL PAN APPROXIMATELY 4" THICK.
- BAR JOIST SPACING @ 3'-0" OC PER ORIGINAL STRUCTURE PLANS.
- BAR JOIST SHALL NOT BE DAMAGED OR ALTERED IN ANY MANNER.
- LOCATE EXACT FLOOR JOIST LAYOUT & MARK ON EXISTING FLOOR.
- LOCATE PROPOSED 24"X24" MAX ACCESS LOCATION & VERIFY JOIST LAYOUT AND ANY CONFLICTS ASSOCIATED WITH SAW-CUT OPERATION.
- DETERMINE METAL PAN ORIENTATION.
- ACCESS PENETRATION SHALL BE COMPLETED WITH A DEMO-SAW TO CUT THE CONCRETE FIRST WITHOUT CUTTING METAL PAN TO THE POINT WHERE CAN NO LONGER SUPPORT CONCRETE WEIGHT.
- REMOVE CONCRETE CUT LEAVING THE METAL PAN IN PLACE.
- CUT METAL PAN IN A 22"X24" SQUARE LEAVING 1" METAL LINE AROUND TO ALLOW THE RE-INSTALLMENT AND ATTACHMENT OF CUT METAL PAN BY WELDING TO EXISTING 1" METAL LINE.
- PLACE SHORT WOOD 2X's ACROSS BAR JOIST FOR SUPPORT WHILE WORKING IN JOIST SPACE.
- DO NOT STEP ON OR PLACE ANY MATERIAL ON CEILING DRYWALL OR DAMAGE CEILING DRYWALL IN ANY MANNER.
- PROCEED WITH PLUMBING ALTERATIONS ONCE SPACE IS SAFE TO WORK IN.
- INSTALL CUT-OUT METAL PAN BACK INTO ITS ORIGINAL POSITION AND WELD IN PLACE. 1/4" WELDS MAX. IF NECESSARY, PROVIDE METAL SPLICE TO ASSIST IN CREATING A PROPER INSTALLATION OF CUT-OUT METAL PAN.
- NO GAPS IN METAL CUT SEAM SHALL BE ALLOWED. CLOSE ALL GAPS WITH WELDED PLATES.
- INSPECTIONS ARE REQUIRED BY RCRBD FOR ALTERED PLUMBING PIPING, REPLACED CUT-OUT METAL PAN AFTER WELDED IN PLACE BUT PRIOR TO REPLACEMENT CONCRETE.
- POUR A 4000 PSI CONCRETE MIX INTO PAN TO PROPER LEVEL.



YVE,
YAMPA VALLEY ENGINEERING, INC.

STRUCTURAL
MECHANICAL
ENGINEERING
DESIGN
DRAFTING
SERVICES

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PLANS FOR:

VINCENT CIRRINCIONE

2420 SKI TRAIL LANE #510
STEAMBOAT SPRINGS, COLORADO

JOB NO: 24-015
DRAWN: JAS
DATE: 06-27-2024

REVISIONS		
NO.	DATE	DRAWN

SHEET NUMBER

S-1