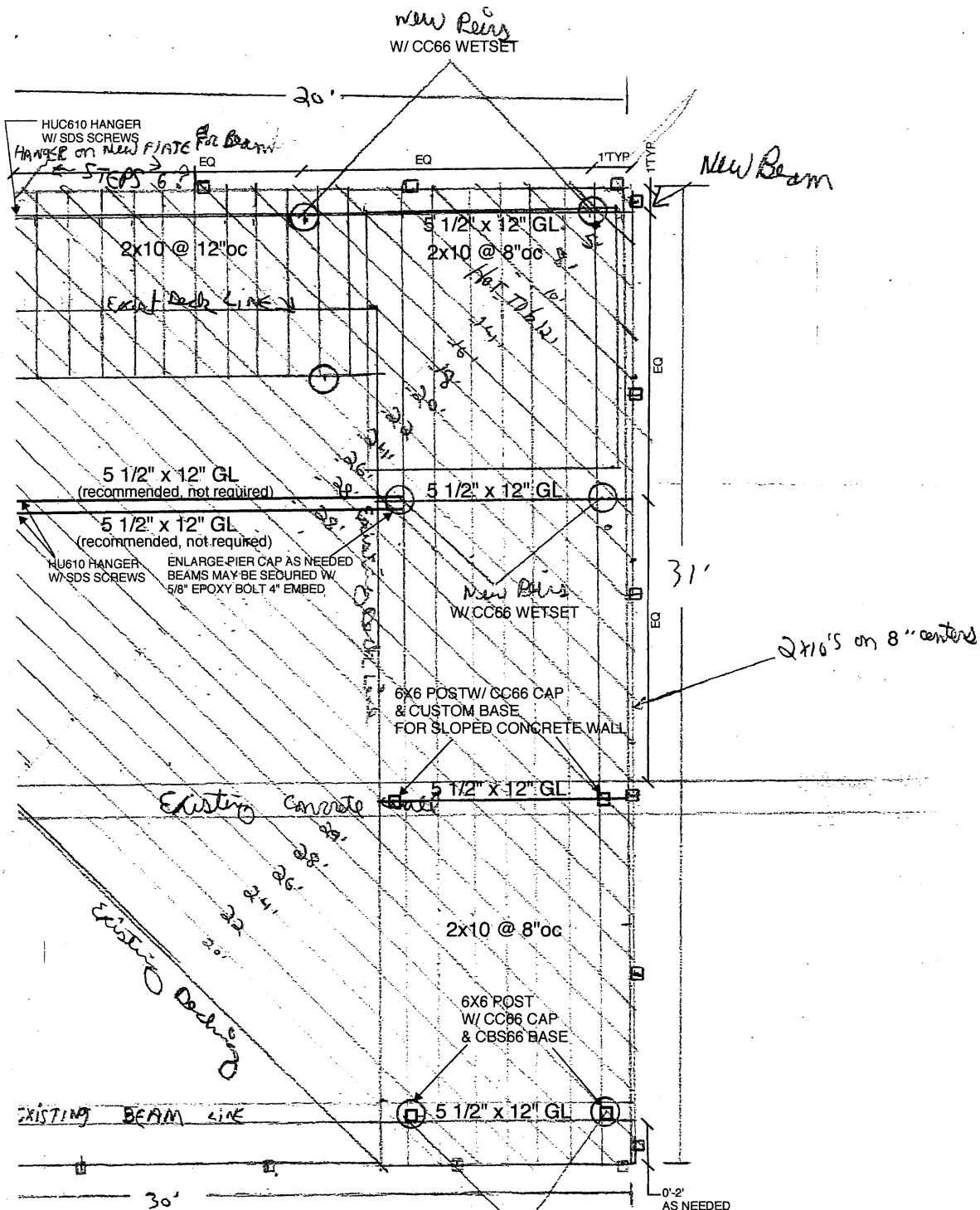


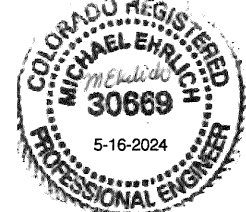
06/07/2024



ALL PIERS ARE HELICAL PIERS WITH 15 kip DESIGN LOAD
16" DIA MIN CONCRETE CAP OR AS REQUIRED
THIS DRAWING PROVIDES HELICAL PIER DESIGN LOADS ONLY.
ACTUAL DESIGN TO BE PROVIDED BY ENGINEER SHOP DRAWINGS BY OTHERS

CUSTOM BASE FOR SLOPED CONCRETE WALL
TO HAVE (2) 3/4" EPOXY BOLTS 4" EMBED
PROVIDE SHOP DRAWINGS TO ENGINEER FOR REVIEW

35040 Country Green
Steamboat Springs, CO



STRUCTURE ONLY

06/07/2024

GENERAL STRUCTURAL NOTES

DESIGN LIVE & SNOW LOADS

- a. ROOF, UNCOVERED DECK.....85 psf roof snow
 b. WIND.....115 mph Exp B
 c. SEISMIC.....S_s=0.25g S₁=0.068g Group I Category I

GOVERNING SPECIFICATION

International Residential Code (IRC) 2021 Edition

FOUNDATION DESIGN

- a. Design of pads and footings is based on helical piers. No soils report was available. This use of helical piers is assumed and should be verified by the soils engineer prior to excavation. This drawing provides helical pier design loads only. Actual design to be provided by engineered shop drawings by others.
- b. All soils issues should be addressed to the soils engineer. The owner or his representative are responsible for following the soils report, contacting the soils engineer, and following their recommendations. The owner should consult the soils engineer for limitations and risks.
- c. The soils engineer shall provide special inspection of the helical pier installation.

STRUCTURAL WOOD FRAMING

- a. Except where noted otherwise all lumber shall be Douglas Fir-Larch No. 2 or better.
- b. Except as noted otherwise minimum nailing shall be provided as specified in Table R602.3(1) Fastener Schedule of the IRC 2021 edition.
- c. Floor and roof sheathing shall be APA rated with exterior glue and graded in accordance with APA Standards.
 FLAT ROOF: 3/4" 48/24 8d96 edge nail 8d912 field nail
 SLOPED ROOF: 5/8" 40/20 8d96 edge nail 8d912 field nail
 FLOOR: 3/4" 48/24 8d96 edge nail 8d912 field nail
 SHEAR WALL: 1/2" 24/16 8d94 edge nail 8d912 field nail
- d. Where light gage framing anchors are shown or required they shall be Simpson "Strong Tie" or equal ICBO approved connectors and shall be installed with the number and type of nails recommended by the manufacturer to develop the rated capacity.
- e. Glue laminated timber shall be of such stress grade to provide glue laminated beams with combination symbol 24F-V4. Beams in cantilevered or reverse bending shall be 24F-V6.

CONCRETE

- a. Concrete to have a minimum compressive strength of 3000 psi and be reinforced with Grade 60 bar except as noted on drawing.
- b. All bars continuous unless noted. Additional lap splices permitted with written approval only. All splices to be a minimum of 38 bar diameters.

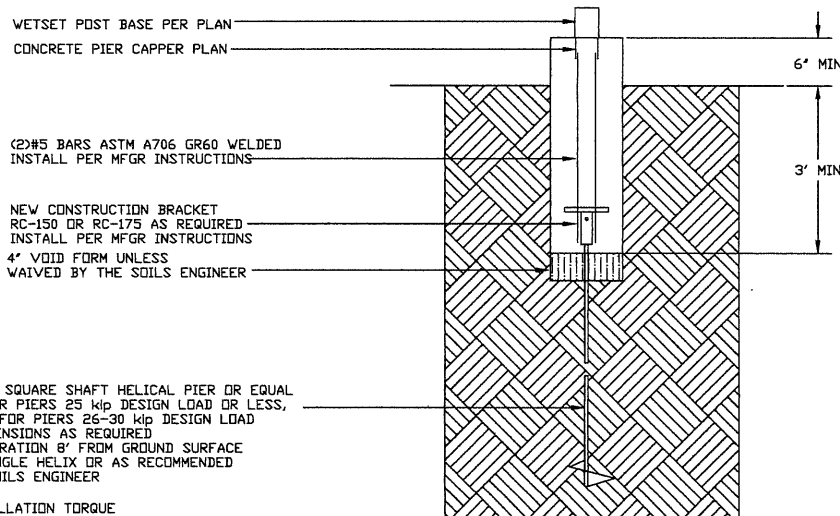
STRUCTURAL STEEL

- a. All bolts, including anchor bolts, shall conform to ASTM Specification A307.

GENERAL

The contract structural drawings and specifications represent the finished structure. They do not indicate the method of construction. The contractor shall provide all measures necessary to protect the structure during construction. Such measures shall include, but not be limited to bracing and shoring for loads due to excavation, sliding soil, or construction equipment. Observation visits to the site by the engineer shall not include inspection or responsibility of the above items, nor will the engineer be responsible for the contractor's means, methods, techniques, sequences for procedure of construction, or the safety precautions and the programs incident thereto.

The structural design drawings are for the deck and permanent foundation only. Detached retaining walls including rock retaining walls are by others. The structural engineer is not responsible for insulation, frost protection, water or weather proofing, subsurface & perimeter drainage, site grading & surface drainage, site preparation, excavation, slope stability, sliding soils, and other soils issues. The structural engineer is responsible for structural design only and does not include non-structural work such as water issues, roof drainage & downspouts, frost, snow or ice buildup, plumbing, or electrical. The structural engineer's duties are limited to design only and is not a project engineer.



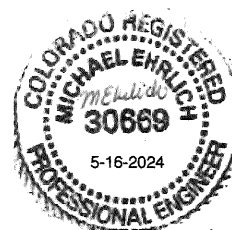
HELICAL PIER DETAIL

1"=1'

THE SOILS ENGINEER SHALL PROVIDE FULL TIME INSPECTION OF THE INSTALLATION AND THE TEST PILE INSTALLATION. TEST PILES SHALL BE INSTALLED SO THAT THE TORQUE VERSUS DEPTH RELATIONSHIPS CAN BE ESTABLISHED AND THE PROPER SHAFT AND HELIX SIZE CAN BE DETERMINED. THE SIZES SHOWN ABOVE ARE FOR PLANNING & ESTIMATING ONLY. THE SOILS ENGINEER MAY CHANGE DETAILS AS REQUIRED IN THE FIELD.

THE SOILS ENGINEER SHALL REVIEW THE CONTRACTOR'S QUALITY CONTROL PLAN REGARDING INSTRUMENTATION CALIBRATION, TESTING, MATERIALS QC, AND PILE INSTALLATION PROCEDURES.

THIS DETAIL IS CONCEPTUAL IN NATURE. ACTUAL DESIGN TO BE WITH SHOP DRAWINGS PROVIDED BY OTHERS BASED ON THE TEST PILE DETERMINATIONS AND THE PIER MANUFACTURER SELECTED.



STRUCTURE ONLY

35040 Country Green
Steamboat Springs, CO