

GENERAL NOTES

DESIGN LIVE LOADS

- a. Deck..... 100 psf
b. Wind..... 90 mph (3 sec gust), Exposure "B"
c. Seismic..... IBC Design Category B

FOUNDATION DESIGN

- a. Design of footings is based on a maximum allowable bearing pressure of 2000 psf dead load plus live load placed on the natural undisturbed soils below frost depth.

REINFORCED CONCRETE

- a. Structural concrete shall have a minimum 28 day compressive strength of 3000 psi Type I.
b. Reinforcing bars shall conform to ASTM Specification A615-79 and shall be Grade 60.
c. All anchor bolts are to meet ASTM Specification F1554 Grade 36.
d. At splices, lap bars 38 diameters. At corners and intersections, make horizontal bars continuous or provide matching corner bars. Around openings in walls and slabs, provide 2-#5, extending 2'-0" beyond edge of opening.

STRUCTURAL STEEL

- a. Structural steel rolled shapes shall conform to ASTM A572, Grade 50. Plates and angles shall conform to ASTM A36. Tube shapes shall conform to ASTM A500 Grade B., 46 ksi yield. Pipe shapes shall conform to ASTM A53, Grade B.
b. All bolts shall conform to ASTM Specification A307.
c. Expansion bolts called for on the drawings shall be "WEC-IT", "RED HEAD", or approved wedge type, with the following minimum embedments: 5/8" diameter bolts - 2 3/4", 1/2" diameter bolts - 2 1/4".
d. All welding shall be done by a certified welder.

STRUCTURAL WOOD FRAMING

- a. Except where noted otherwise, all 2" lumber shall be Douglas Fir-Larch S4S No.2 or better, and all solid timber beams and posts shall be Douglas Fir-Larch No. 1. Grade shall be as approved by TPI in accordance with ASTM D-3957-84.
b. Except as noted otherwise, minimum nailing shall be provided as specified in Table 2304.9.1 "Fastening Schedule" of the I.B.C., 2009 edition.
c. Where light gage framing anchors are shown or required, they shall be Simpson "Strong Tie" or equal (CBO approved connectors and shall be installed with the number and type of nails recommended by the manufacturer to develop the rated capacity).

EPOXY ADHESIVE ANCHORING SYSTEM

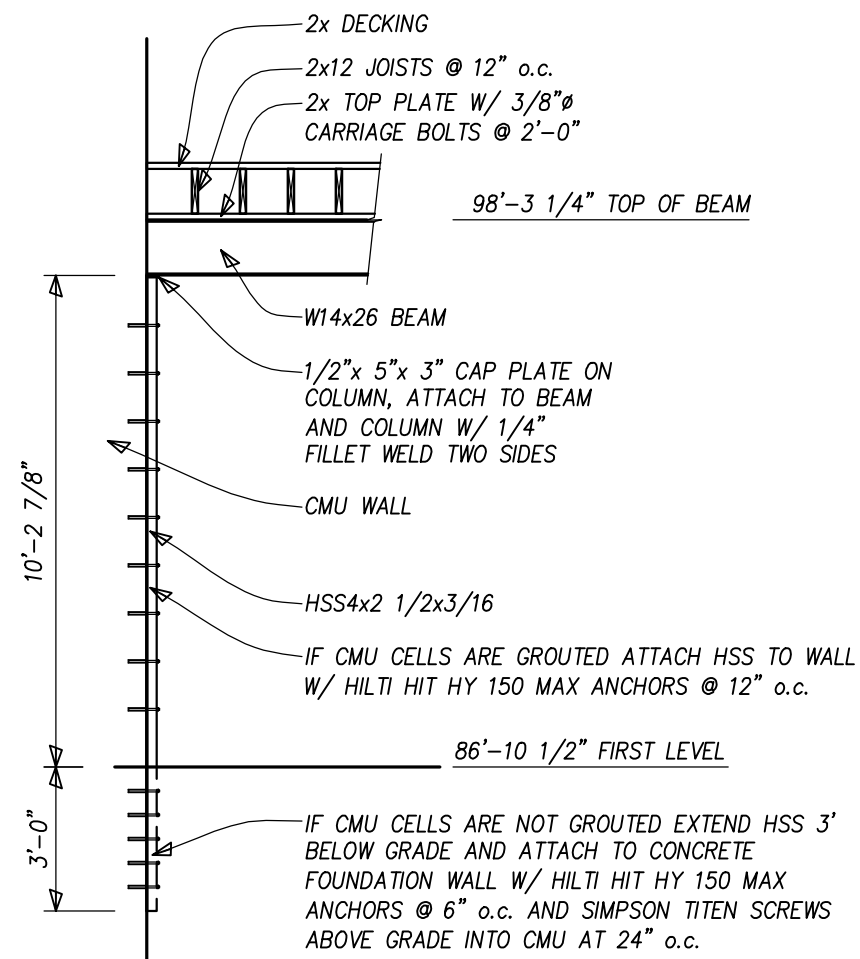
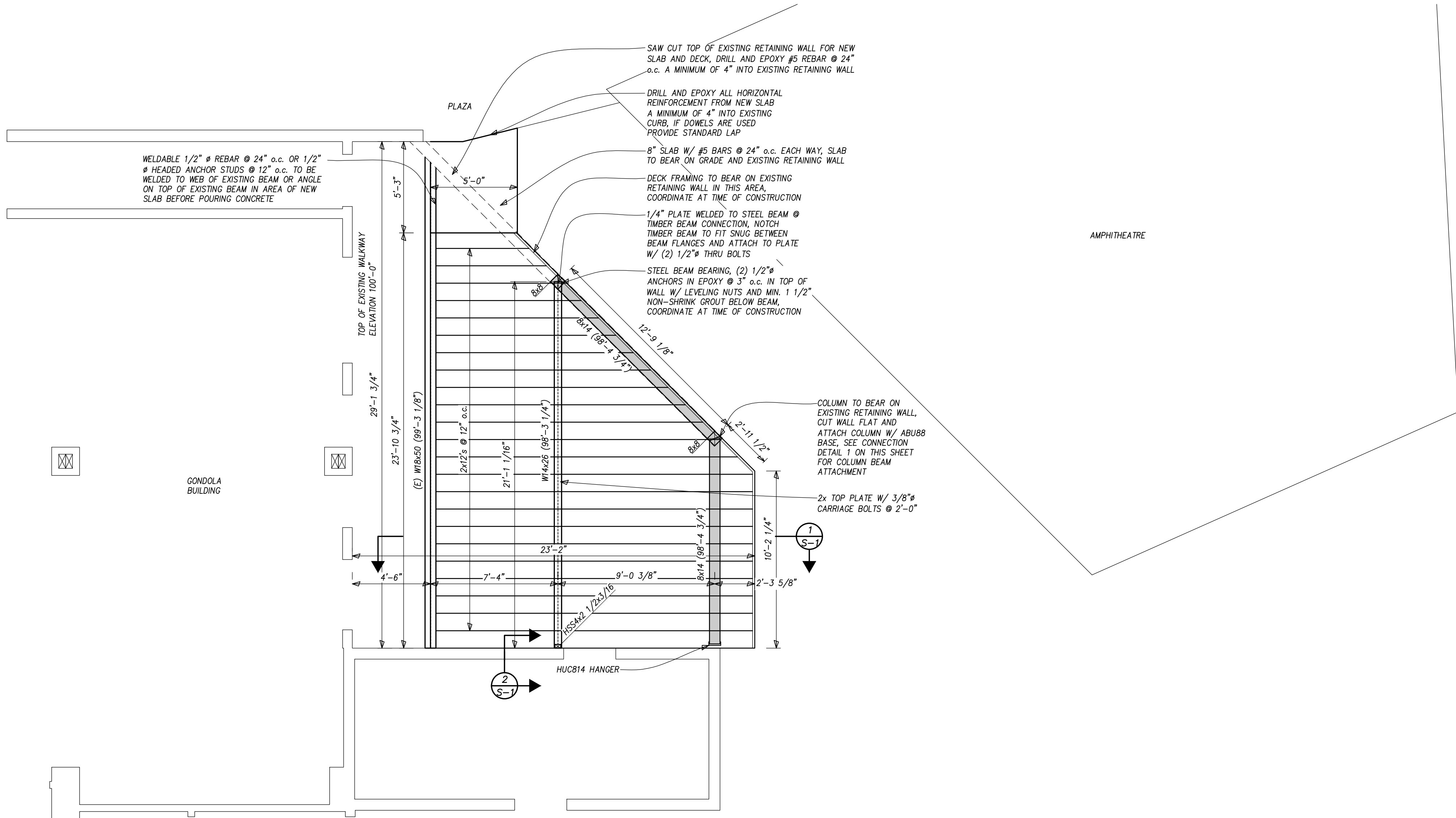
- a. Epoxy adhesive anchoring system shall be 1/2" HILTI HIT HY 150 MAX anchors w/ HAS threaded rods or approved equal.
b. Anchor rods shall be furnished with chamfered ends so that either end will accept a nut and washer and meet the requirements of ISO 898 Class 5.8.
c. Anchors shall have the following minimum embedments: 3/4" - 6 3/4", 5/8" - 5 5/8", 1/2" - 4 1/2".

STRUCTURAL ERECTION AND BRACING REQUIREMENTS

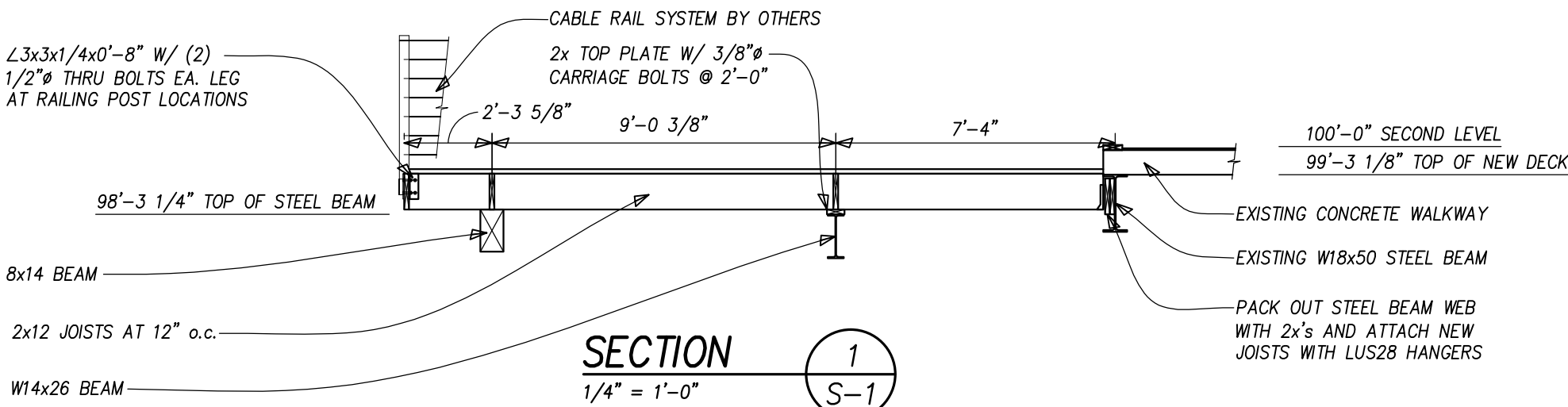
- a. The structural drawings illustrate the completed structure with all elements in their final positions, properly supported and braced.
b. The Contractor, in the proper sequence, shall provide proper shoring and bracing as may be required during construction to achieve the final completed structure.
c. The Contractor shall submit a shoring plan for approval prior to construction and all shoring shall be inspected and approved by Engineer prior to demolition.

MASONRY

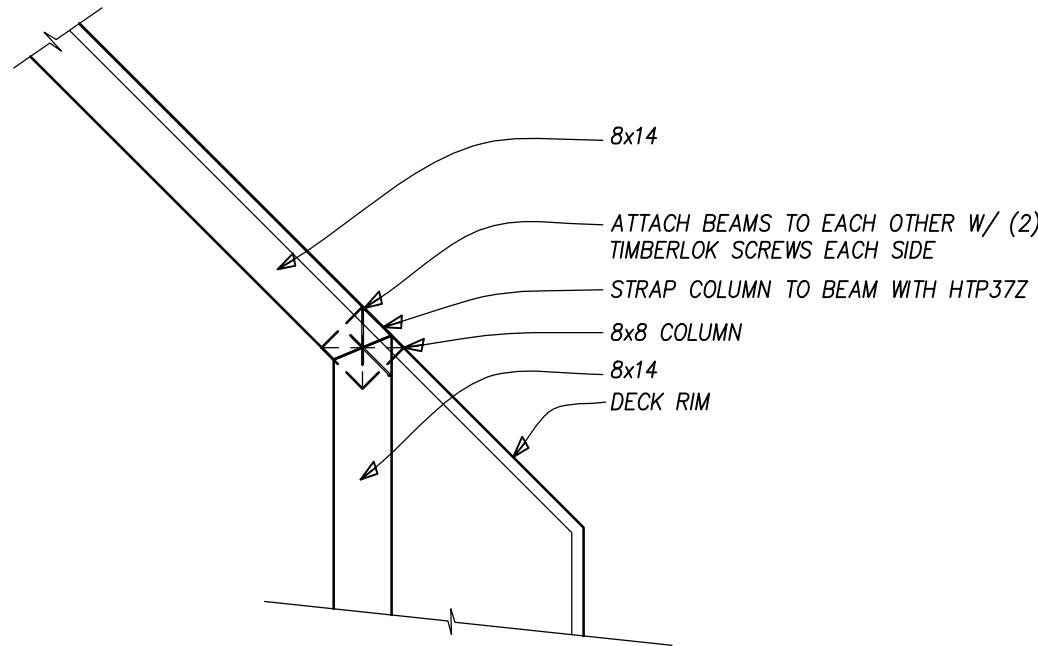
- a. Hollow load-bearing concrete masonry shall be normal weight units conforming to ASTM C90, Grade N. Minimum ultimate compressive strength (fm) = 1900 psi.
b. Mortar shall be Type S consisting of a mixture of portland cement, hydrated lime and aggregate conforming to the proportion specifications of IBC Table 2103.7(1) or the property specifications of IBC Table 2103.7(2) and conforming to ASTM C270. Masonry cement shall not be used. Admixtures shall not be added for any reason unless approved by the Architect. Minimum 28-day cube strength = 1900 psi.
c. Grout used in masonry walls and block cells shall be coarse grout conforming to proportion specifications of IBC Table 2103.10 or as defined by ATSM C476. Grout shall be placed by vibrating or puddling, if grout lifts exceed 4'-0" in height clean-out holes shall be provided in each grouted cell. Minimum cube strength = 2000 psi.
d. Use continuous joint reinforcing in all masonry walls with a maximum vertical spacing of 16".
e. Except for lintels, bond beam units shall be produced from standard vertically voided units with pre-cut knock-out cross walls.
f. Reinforcing shall be grade 60. Stagger splices in the same block course by 4'-0" minimum and lap bars in all splices a minimum of 48 diameters. At corners and intersections, make horizontal bars continuous or provide matching corner bars. Provide dowels from the foundation to match size and location of all vertical reinforcing in walls.
g. Special inspection is required for all structural masonry construction.



SECTION 2
1/4\" = 1'-0"



SECTION 1
1/4\" = 1'-0"



CONNECTION DETAIL 1
1/2\" = 1'-0"

REVISIONS

DATE

5/5/17

PROJECT #17-023

DRAWN DPJ

CHECKED BFS

FILE SSRC Condola Plaza Climbing Wall.dwg

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

ESA

NEW DECK FRAMING PLAN
STEAMBOAT SKI RESORT CONDOLA CLIMBING WALL
2305 MT. WERNER CIR.
STEAMBOAT SPRINGS, COLORADO 80487

SHEET

S-1

1 OF 1