

STRUCTURAL NOTES

Applicable Codes and Standards:

- A. 2009 International Building Code (including all local adoptions)
- B. 2009 International Residential code (including all local adoptions)
- C. City of Steamboat Springs Community Development Code
- D. "Minimum Design Loads for Buildings and Other Structures" - ASCE 7-10
- E. "Building Code Requirements for Structural Concrete" - ACI318
- F. "Steel Construction Manual" - AISC fourteenth edition
- G. "National Design Specification for Wood Construction" - ANSI/AF&PA-NDS 2005

Design Live Loads:

- A. Roofs: 110 psf
- B. Floors: 40 psf
- C. Wind: 120 mph, Exposure B
- D. Seismic Design: Category B, Soil Type D

Foundation Criteria:

- A. In lieu of a soils report, The Engineer of Record shall use local knowledge to approximate the soil conditions on site and a test pile shall be advanced near the location of the proposed pile installation(s) to determine the approximate depth and helix diameter(s) required to achieve the desired minimum torque(s).
- B. The helical pile foundations and tiebacks are designed in accordance with the Practical Design and Inspection Guide for Helical Piles and Helical Tension Anchors Complied and Prepared by John S. Pack, P.E. for I.M.R., Inc., Denver, Colorado, Revision 2, July 27, 2009.
- C. The helical piles and tension anchors shall be installed to the minimum torques and lengths specified herein.
- D. The installation of the helical piles and tension anchors shall be monitored and recorded by a representative of SEAD, Inc. or approved independent testing agency.

Structural Wood Framing:

- A. Unless noted otherwise, all 2" lumber shall be Douglas Fir S4S No. 2 and better. All solid timber beams and posts shall be DF-L No. 1 or better.
- B. Unless noted otherwise, minimum nailing shall be provided as specified in Table No. 2304.9.1, "Fastening Schedule", of the 2009 IBC or Table No. R602.3(1), "Fastener Schedule For Structural Members", of the 2009 IRC.
- C. Wall and floor sheathing shall be APA rated with exterior glue and graded in accordance with APA standards. Panel identification and thickness shall be as noted on the drawings.
- D. Where light gauge framing anchors are shown or required, they shall be Simpson "Strong Tie" (or equal approved by ICBO). They shall be installed with the number and type of fasteners recommended by the manufacturer to develop the rated capacity.

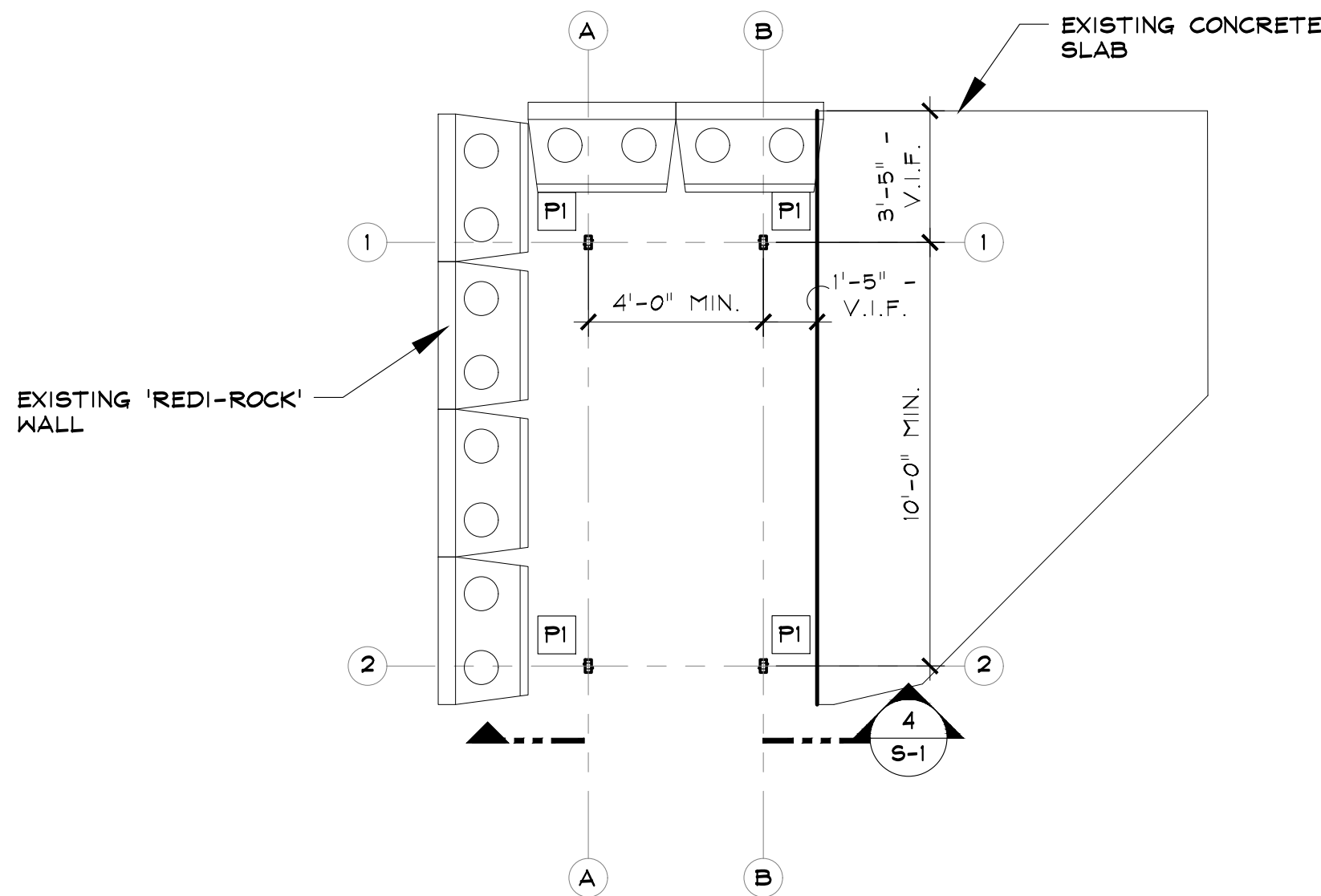
STRUCTURE LEGEND

- = COLUMN BELOW
- ◻ = COLUMN ABOVE
- = COLUMN CONTINUOUS THIS LEVEL
- = RAFTER
- = JOIST
- = BEAM
- = RIM
- = LEDGER
- = TYPICAL HEADER
- = CLOSURE WALL
- = HANGER
- = CLIP

HELICAL PILE SCHEDULE

PILE I.D.	MIN. LENGTH Feet	MIN. TORQUE Ft. - Lbs.	QUANTITY
PILE P1	7	3,000	(4)

MINIMUM TORQUE INCLUDES F.S. = 2 FOR HELICAL PILES.  
ALL PILES SHALL BE 'HELI-PILE' 1.5 INCH MODULAR HPC15.



3 HELICAL PILE LAYOUT PLAN

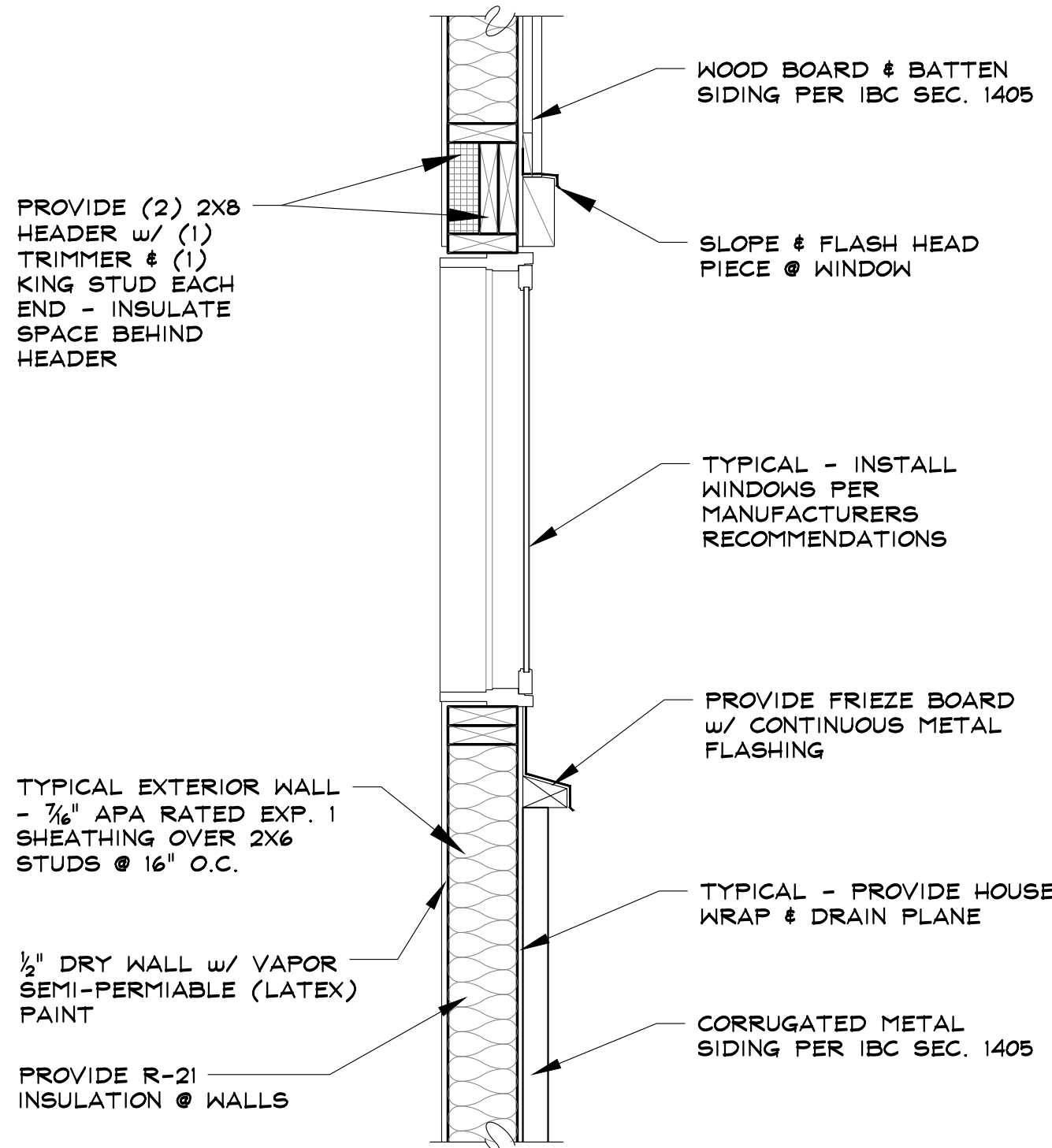
FIELD VERIFY PILE LOCATION TO AVOID CONFLICT w/ EXISTING 'REDI-ROCK' WALL

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

6 CUSTOM HANGER 'H1'

PROVIDE (4) EACH  
1/4" THICK STEEL PLATE  
PROVIDE 1/8" Ø HOLES FOR 3/8" Ø BOLTS

SCALE: 1 1/2" = 1'-0"

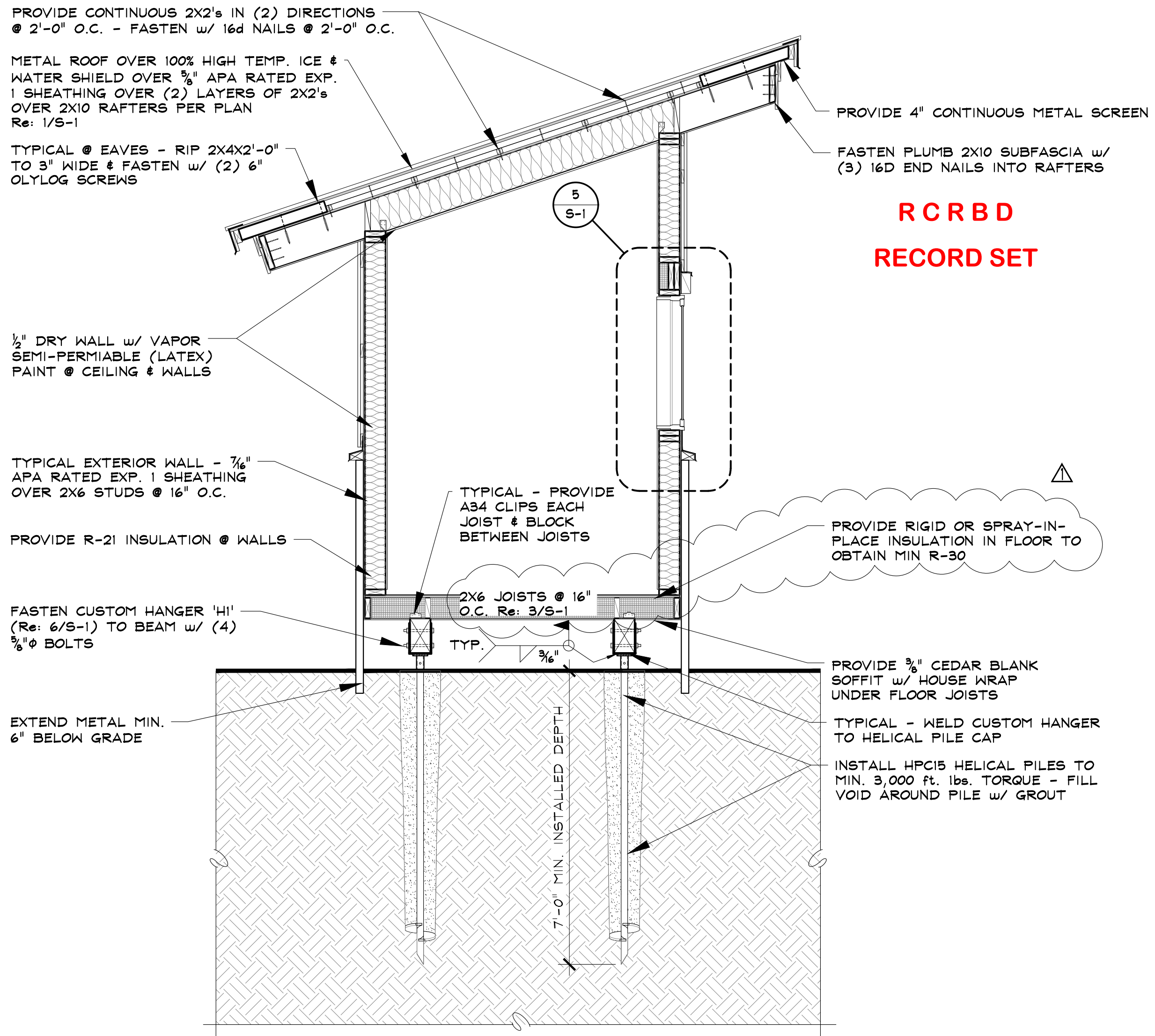


5 TYPICAL WALL DETAIL

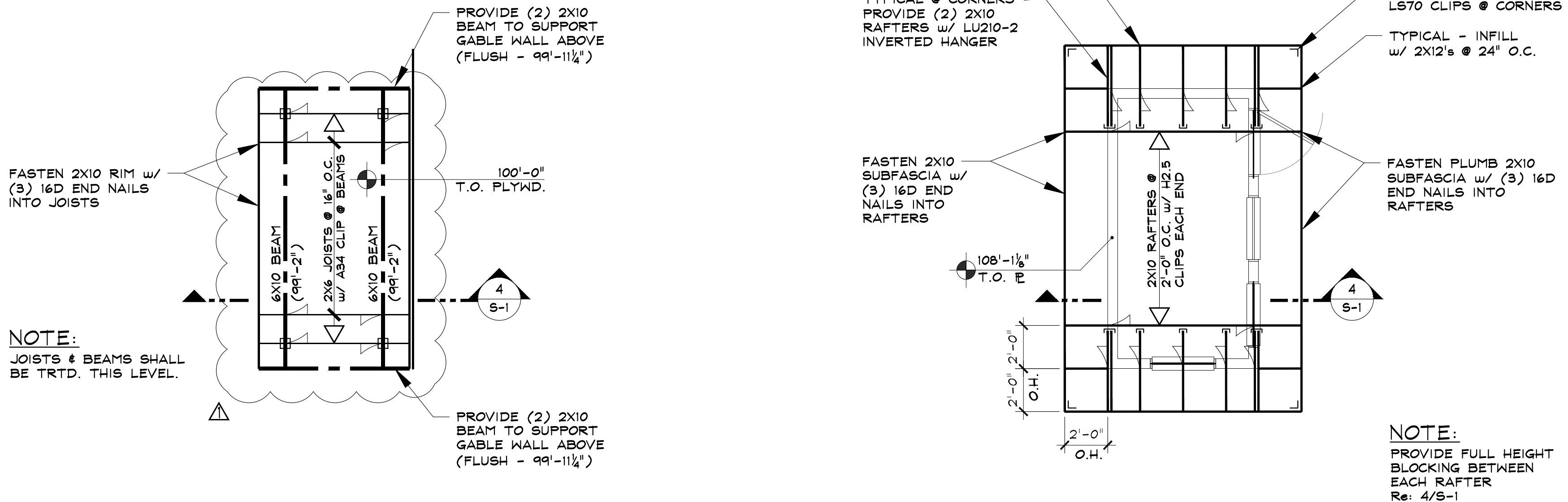
SCALE: 1" = 1'-0"

4 BUILDING SECTION - COMBINED ARCH. & STRUCTURAL

SCALE: 1/2" = 1'-0"



RCRBD  
RECORD SET



2 FLOOR FRAMING PLAN

TYPICAL - 3/4" APA RATED EXPOSURE 1 T&G STURD-I-FLOOR SHEATHING  
TYPICAL - ELEVATION @ TOP OF BEAM INDICATED THUS: (ELEV.)  
TYPICAL - COLUMNS THAT BEGIN THIS LEVEL ARE INDICATED ON PLAN

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

1 ROOF FRAMING PLAN

TYPICAL - 3/4" APA RATED EXPOSURE 1 40/20 SHEATHING  
TYPICAL - ELEVATION @ TOP OF BEAMS INDICATED THUS: (ELEV.)  
TYPICAL HEADER THIS PLAN - (2) 2X8's, w/ (1) TRIMMER & (1) KING STUD EA. END, U.N.O.

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

SSRC TICKET BOOTH

2305 MT. WERNER CIRCLE  
STEAMBOAT SPRINGS, COLORADO

A NEW BUILDING FOR:

SSRC - STEAMBOAT SKI & RESORT CORP.

ISSUE DATES

PROGRESS  
10 . 04 . 07  
10 . 06 . 07  
PERMIT  
10 . 12 . 07  
REVISIONS  
11 . 02 . 07

DRAWN BY:  
SJM/JEM  
PROJECT # 16020

FRAMING PLAN  
& SECTION

S-1

SHEET 3 of 3

SEAD  
Steamboat Engineering & Architectural Design, Inc.  
2740 Ace Lane Suite 'E', Steamboat Springs, CO 80467  
Phone: 970.871.9101 fax: 970.871.9089  
E-mail: Steve@seadinc.com