

- 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/APFPA-NDS 2005

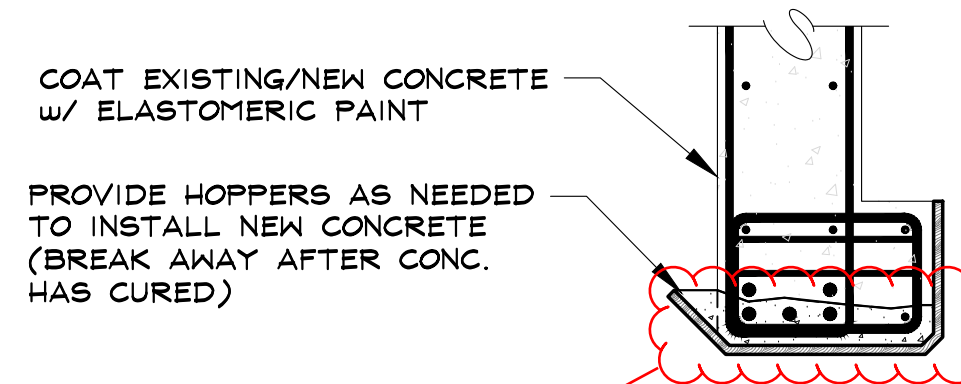
- A. Floors: 95 psf (Snow) and 3,000 lb. Point Load
C. Wind: 120 mph, Exposure B
D. Seismic Design: Category D, Soil Type D

- A. Structural concrete shall be Type I, and have a minimum 28 day strength of 4,000 psi. All concrete shall have a min 6% (+/- 1.5%) entrained air for durability and a 4" (+/- 1") slump. The maximum aggregate size shall be 3/4". Concrete shall not be placed on frozen ground and shall be protected from freezing for a minimum of 7 days. During cold weather the methods and specifications set forth in ACI 308R-88 shall be followed to prevent frost damage.
- B. Concrete walls shall conform to the requirements of ACI 318 and 30I, latest edition.
- C. All exposed edges shall have a 3/4" chamfer.
- D. Reinforcing bars shall conform to ASTM spec. A615-74 and shall be Grade 60.
- E. At splices, lap bars a minimum of 38 diameters. At corners and intersections, make horizontal continuous or provide matching corner bars. Around openings in walls and slabs, provide (2) #5 bars extending a minimum of 2 feet beyond the edge of the opening.
- F. Reinforcing bars in walls shall be spliced at mid-spans. Continuous bottom bars in walls shall be spliced at supports.
- F. Concrete cover shall conform to ACI 318-08, 7.7. Unless a greater cover is required, concrete cast against earth shall have 3in. min. cover, concrete exposed to earth or weather shall have 2in. min. cover for No. 6 bars & greater; 1 1/2in. min. cover for No. 5 bars & smaller. Concrete not exposed to weather shall have 3/4" min. cover for No. 11 bars & smaller.
- G. Concrete shall be adequately consolidated/vibrated during placement to ensure it is thoroughly placed around all reinforcing steel and embedded fixtures.
- H. Unless noted otherwise, slabs, footings and walls shall not have any horizontal 'cold joints.' All construction joints shall be detailed or reviewed by the Engineer of Record.

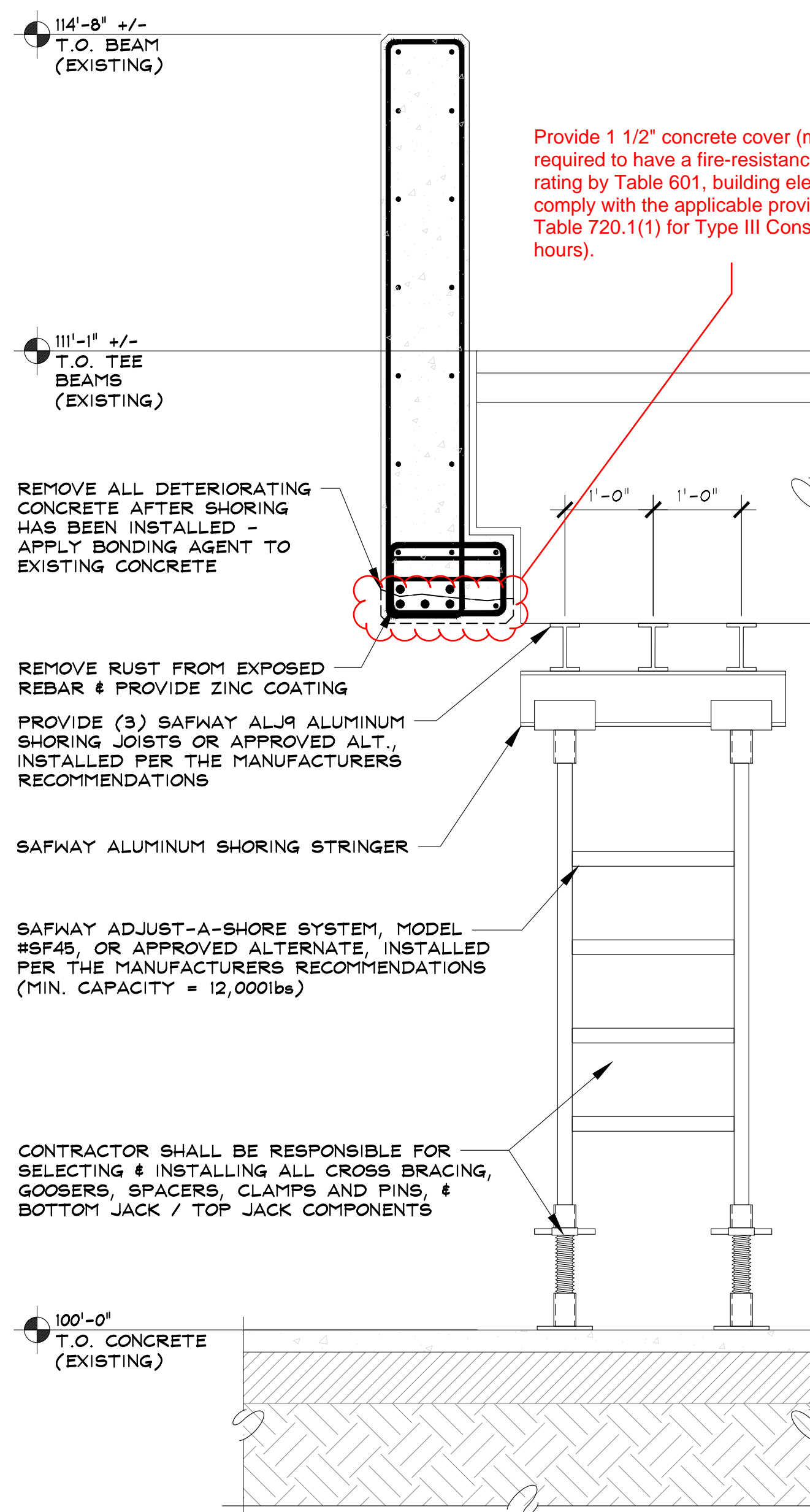
- A. Before beginning temporary design or construction, the Contractor shall survey existing ground elevations in the vicinity of shoring locations to determine actual shoring heights.
- B. All steel framing towers and components shall be Sufway Adjust-A-Shore system, made of steel, or approved alternate, per the manufacturers recommendations.
- C. Please refer to the attached pdf for more details.
- C. The Contractor shall be responsible for selecting and installing all cross bracing, goosers, spacers, clamps and pins, and bottom jack / top jack components. Please refer to the attached pdf for more details.
- D. Aluminum shoring joists shall be Sufway ALJ or approved alternate, installed per the manufacturers recommendations.
- E. Please refer to the attached pdf for more details.

- A. Before beginning temporary design or construction, the Contractor shall survey existing ground elevations in the vicinity of shoring locations to determine actual shoring heights. Shoring columns shall be capable of supporting a minimum load of 55,000lbs and shall be installed per the manufacturer's recommendations. The Contractor shall submit documentation of selected product for approval by the Engineer of Record prior to installation.

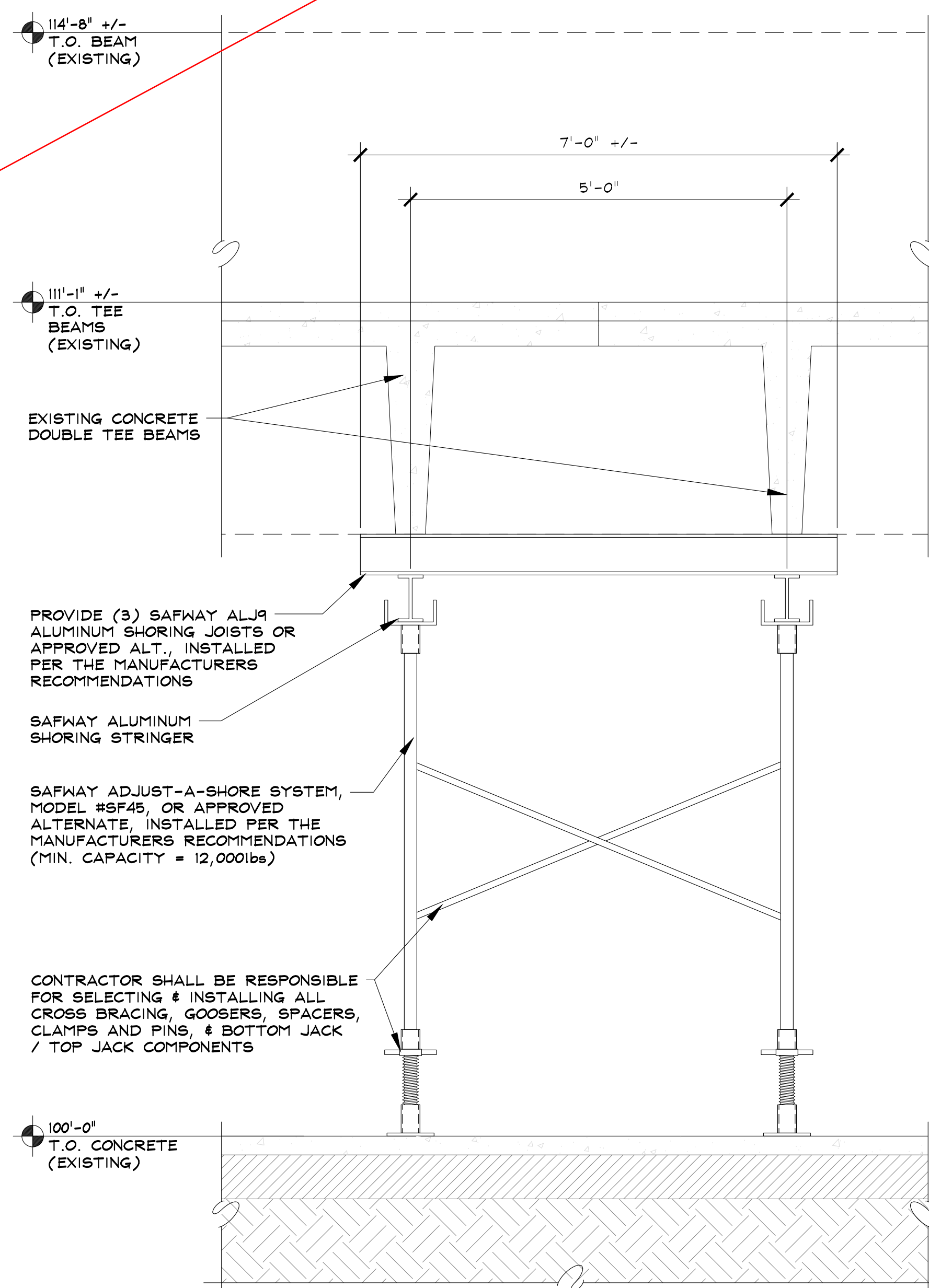
- A. The contractor shall thoroughly inspect and survey the existing structure to verify dimensions, elevations, framing, etc., which may affect the work shown on the drawings and report any variations or discrepancies to the Engineer.



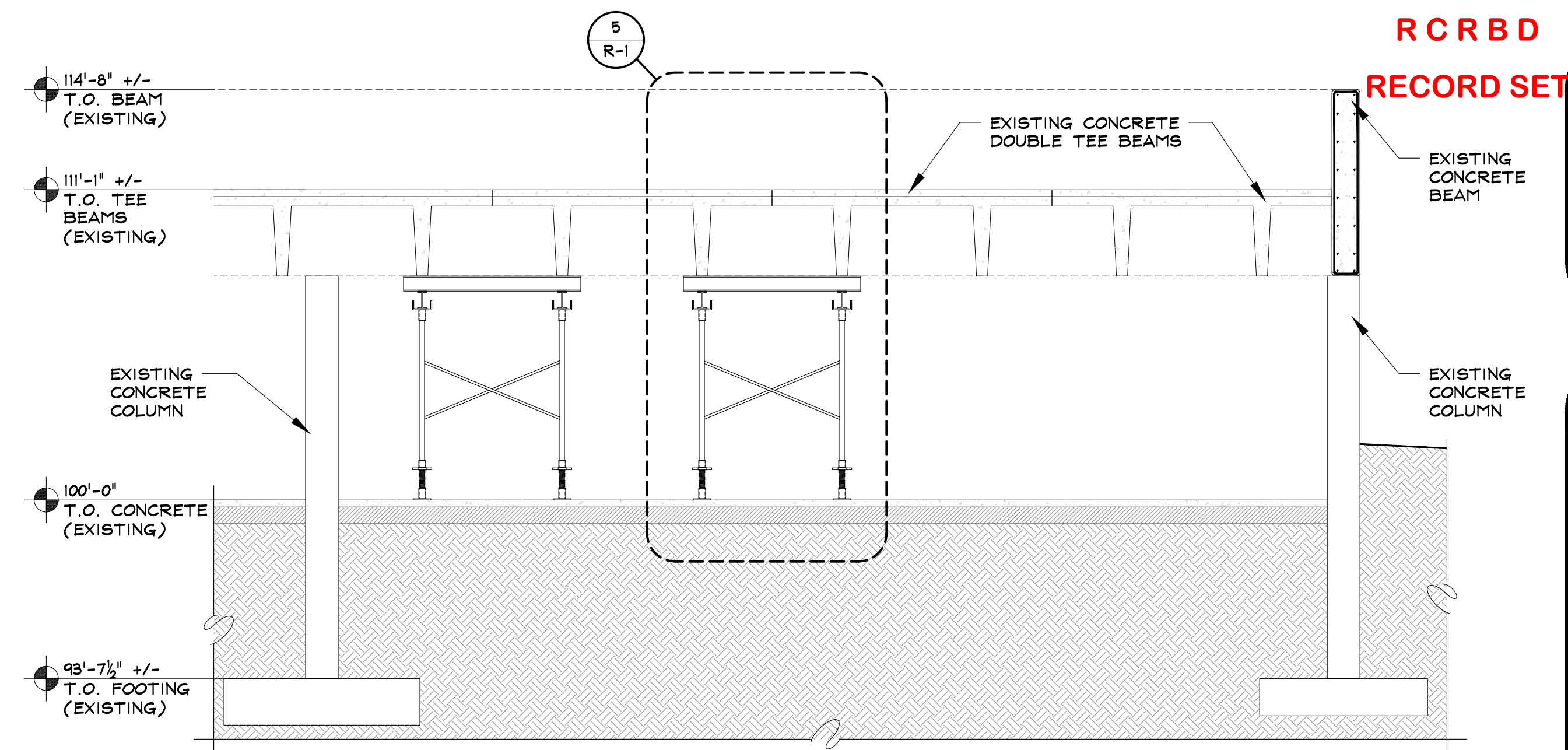
SCALE: $\frac{3}{4}" = 1'-0"$



SCALE: $\frac{3}{4}" = 1'-0"$

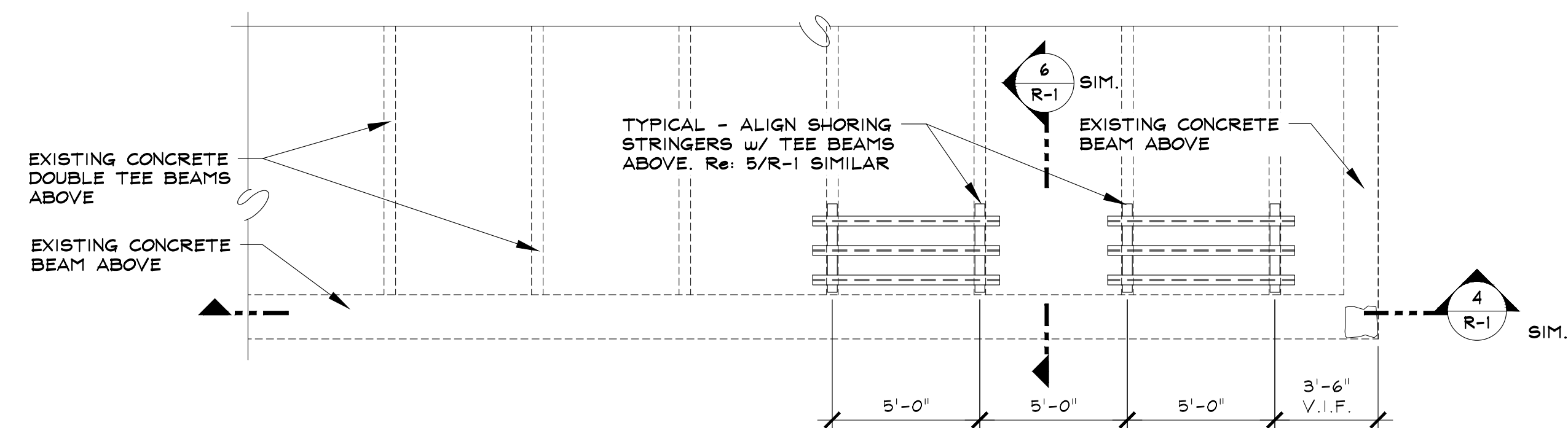


SCALE: $\frac{3}{4}" = 1'-0"$

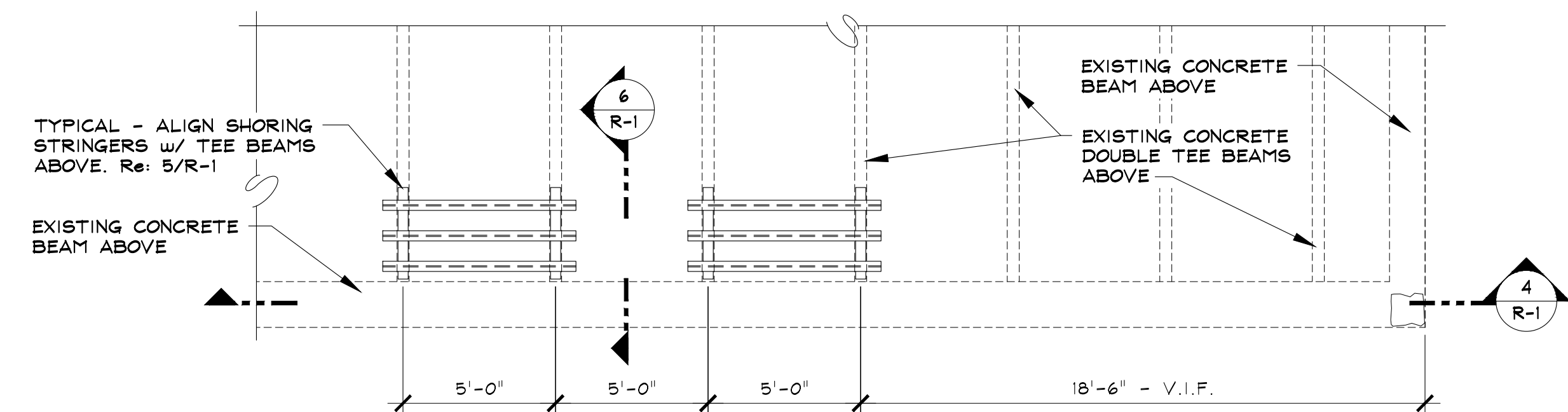


NOTE: PHASE 2 TEMPORARY SHORING SECTION SIMILAR

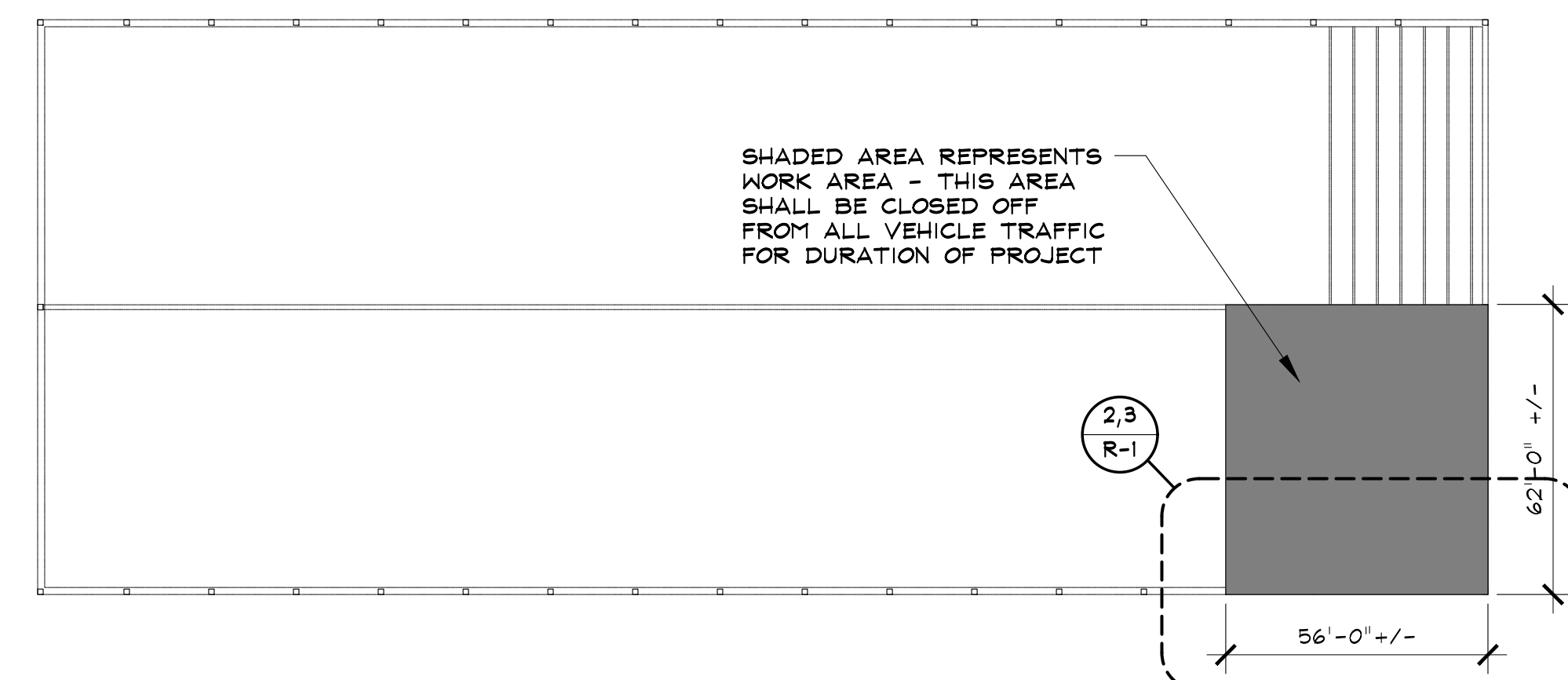
SCALE: $\frac{1}{4}" = 1'-0"$



SCALE: $\frac{1}{4}" = 1'-0"$



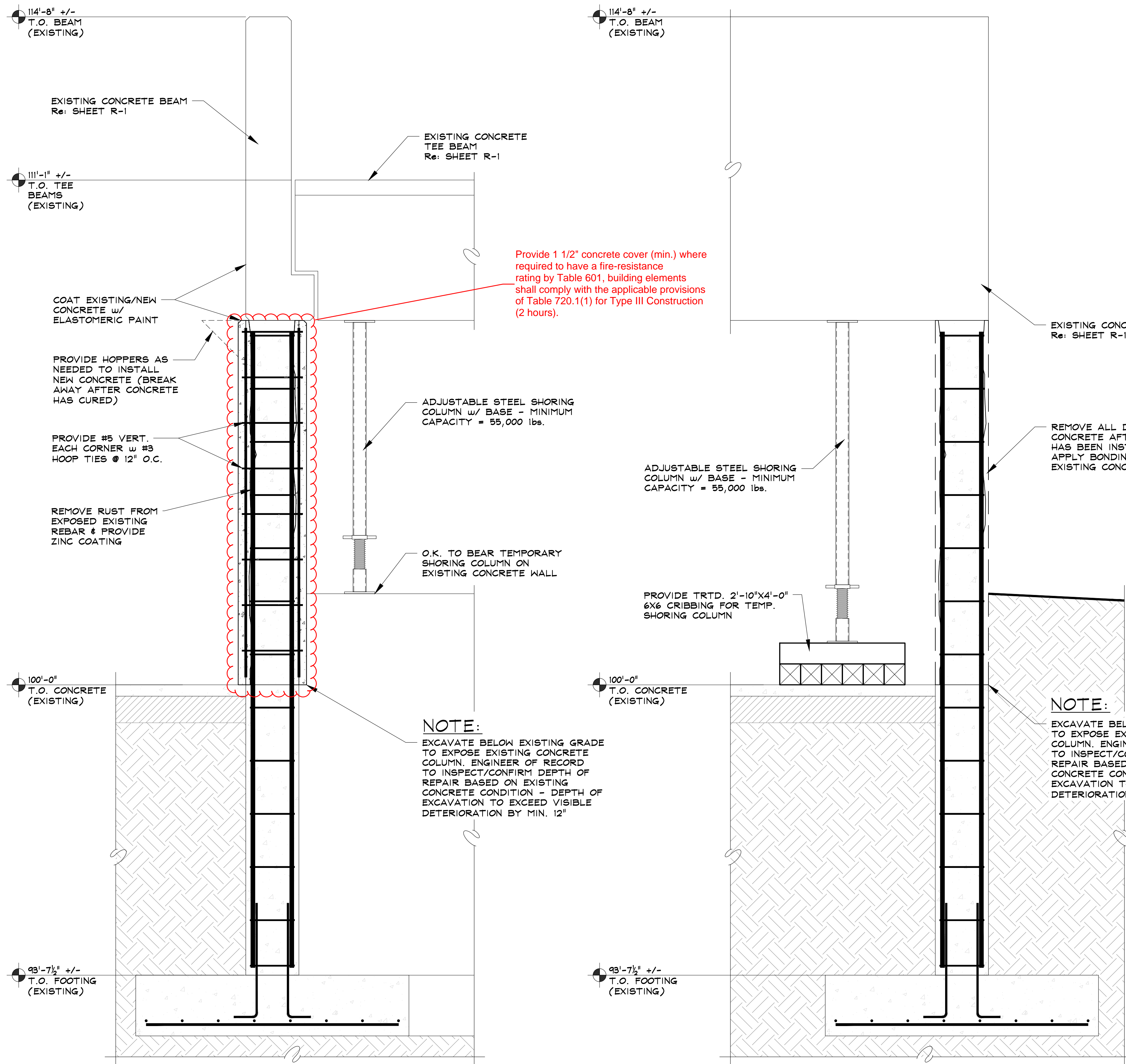
SCALE: $\frac{1}{4}'' = 1'-0''$



SCALE: NTS

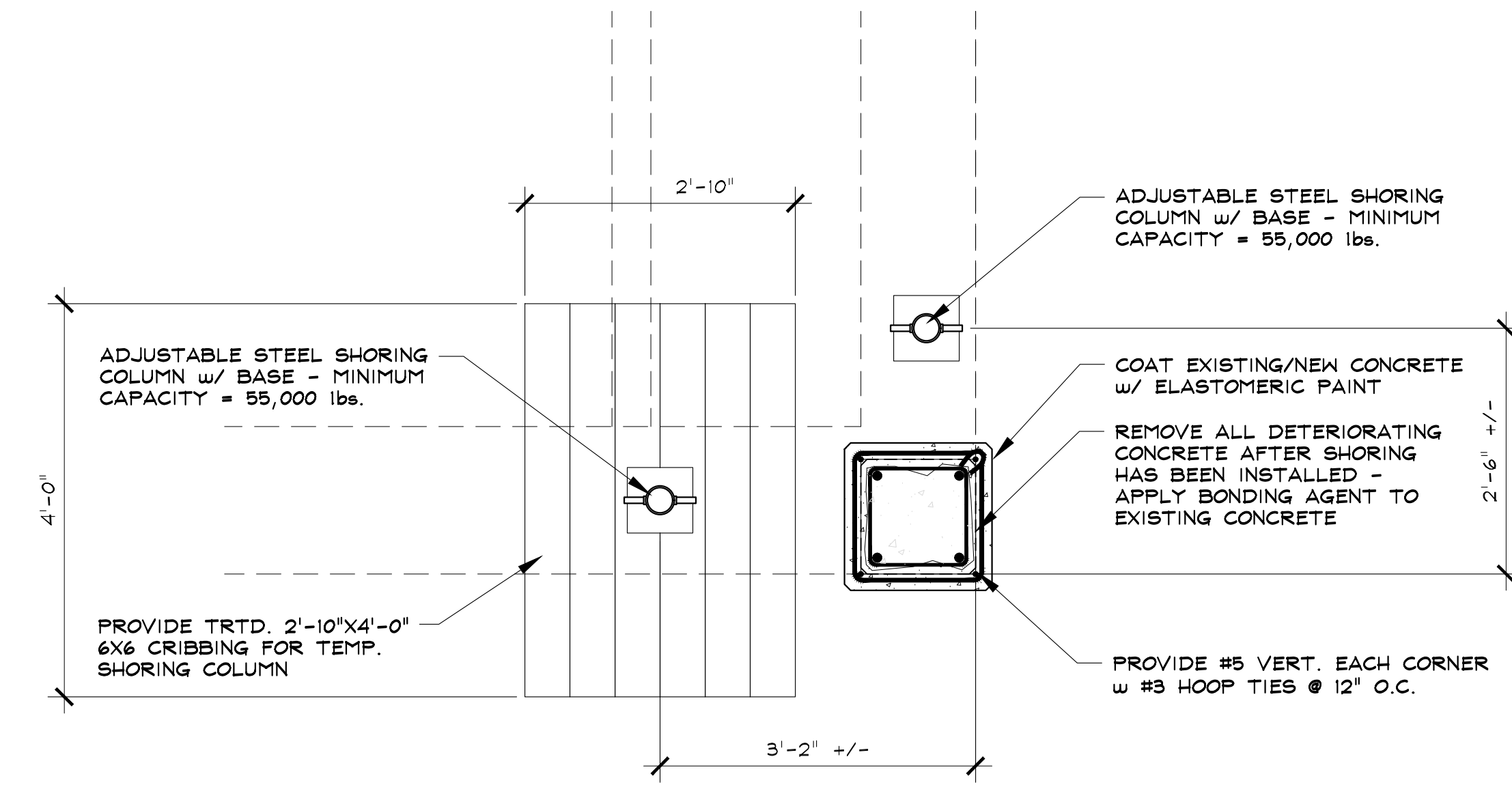
RCRBD
RECORD SET

W:\2017\17076_SSRC Parking Garage\Drawings\Struct\17076_RepairSheets.dwg, R-2, 10/20/2017 11:27:42 AM

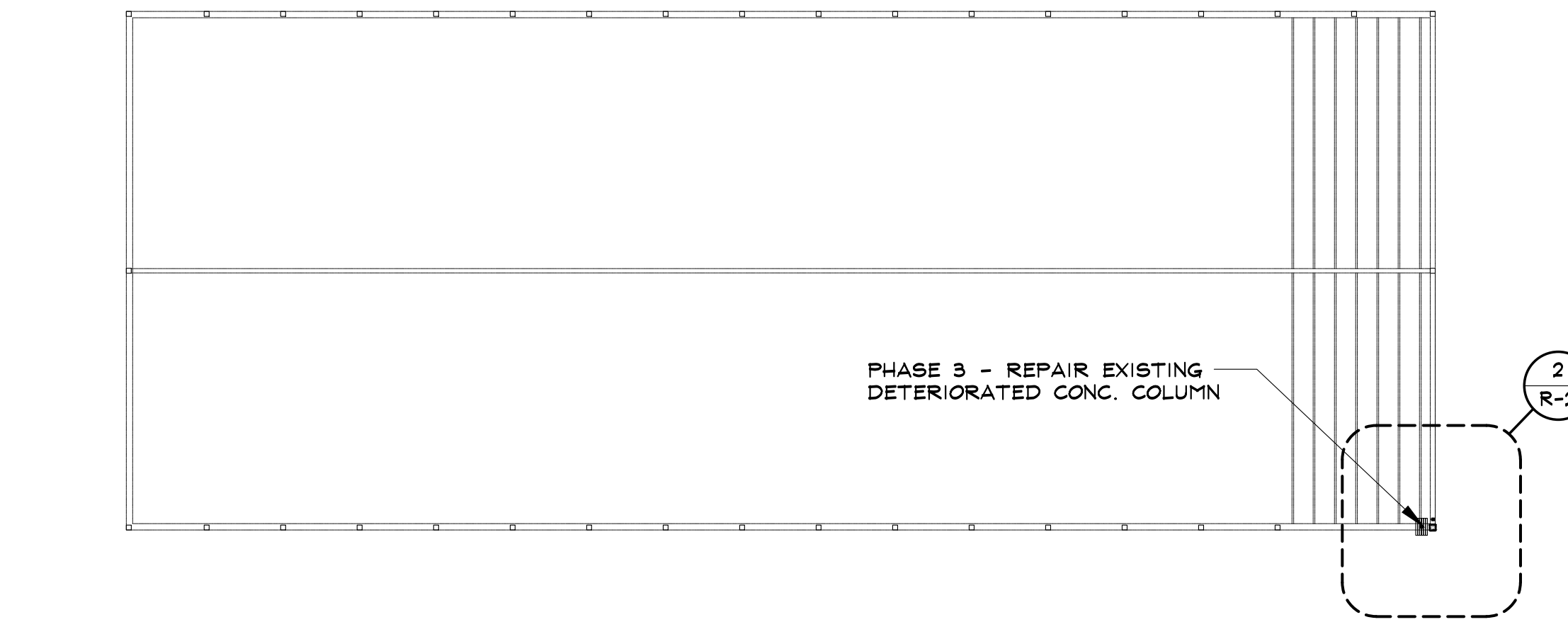


4 PHASE 3 SHORING / REPAIR SECTION
SCALE: 3/4" = 1'-0"

3 PHASE 3 SHORING SECTION
Re: 4/R-2 FOR REPAIR SECTION
SCALE: 3/4" = 1'-0"



2 PHASE 3 SHORING PLAN
SCALE: 3/4" = 1'-0"



1 OVERALL STRUCTURE/WORK AREA KEY
SCALE: NTS

SSRC PARKING GARAGE

2305 MT. WERNER CIRCLE
STEAMBOAT SPRINGS, COLORADO
A SHORING & REPAIR PLAN FOR:
STEAMBOAT SKI & RESORT CORPORATION

SEAD
Steamboat Engineering & Architectural Design, Inc.
2140 Acre Lane Suite E Steamboat Springs CO 80487
Phone: 970.871.9101 Fax: 970.871.9069
Email: Steve@seadinc.com

ISSUE DATES
PERMIT
10 . 20 . 17

DRAWN BY:
SJM/JEM
PROJECT # 17076

SHORING PLAN
& SECTIONS