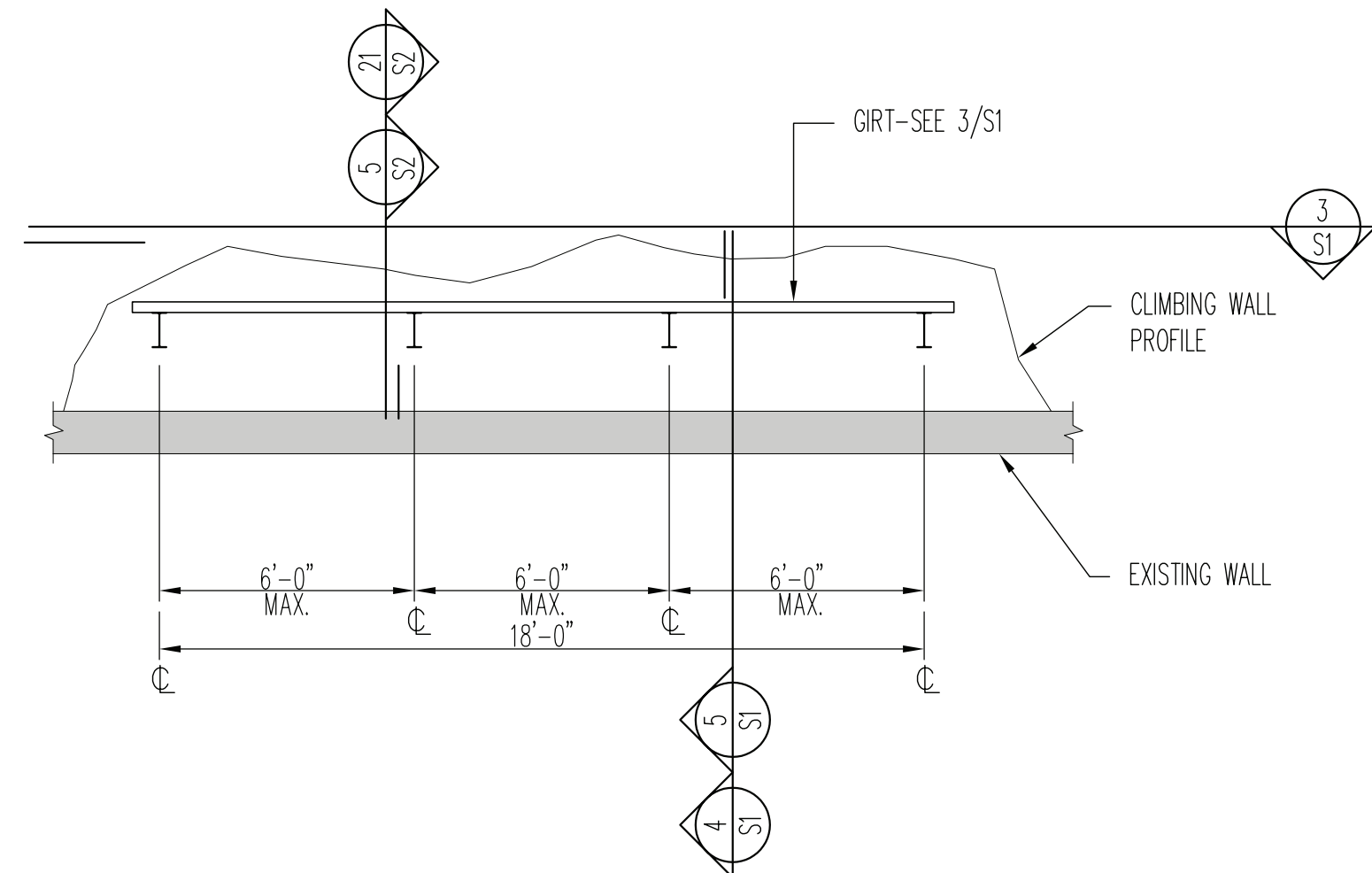


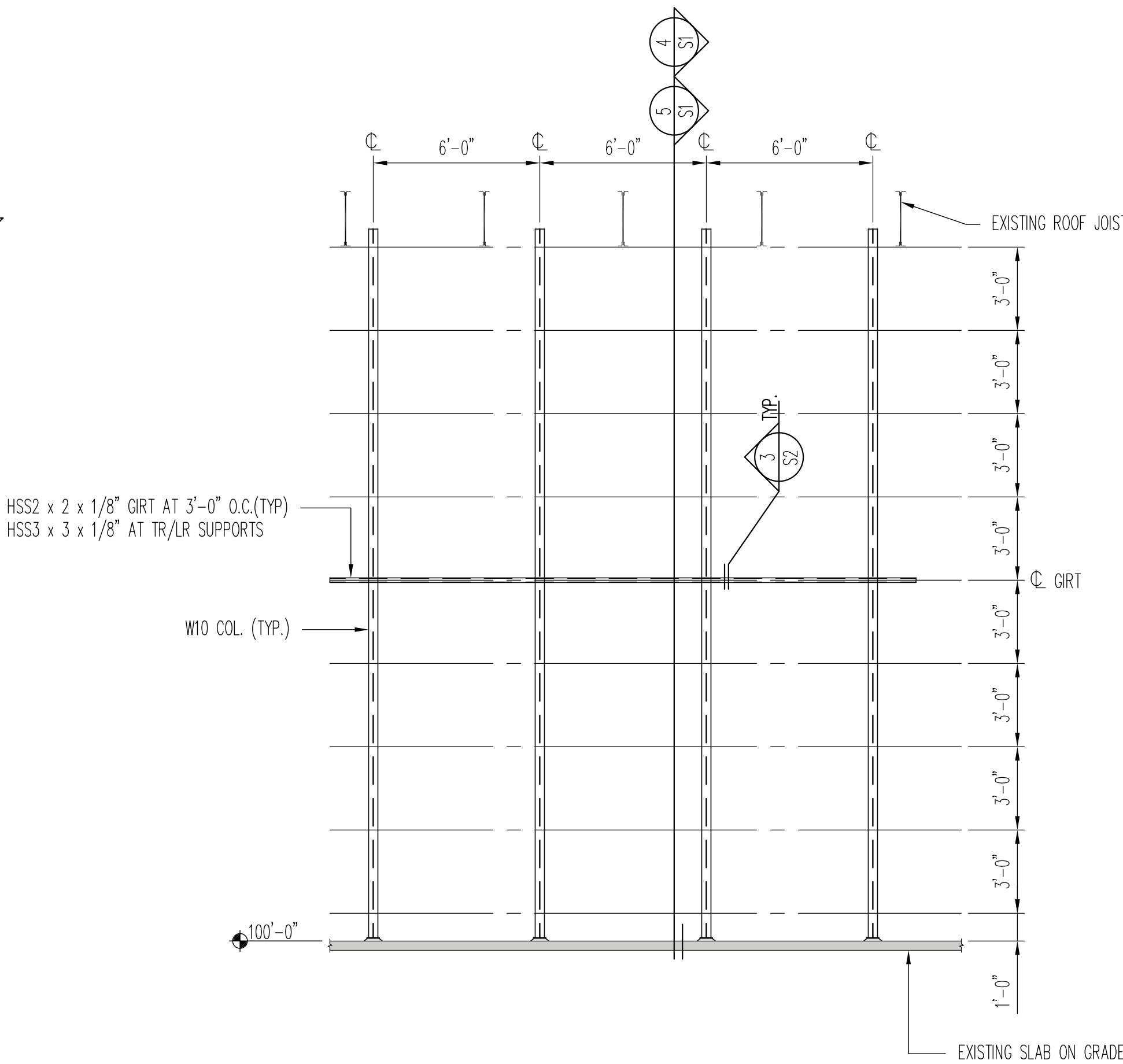
1 PLAN AT BASE OF WALL

1/4" = 1'-0"



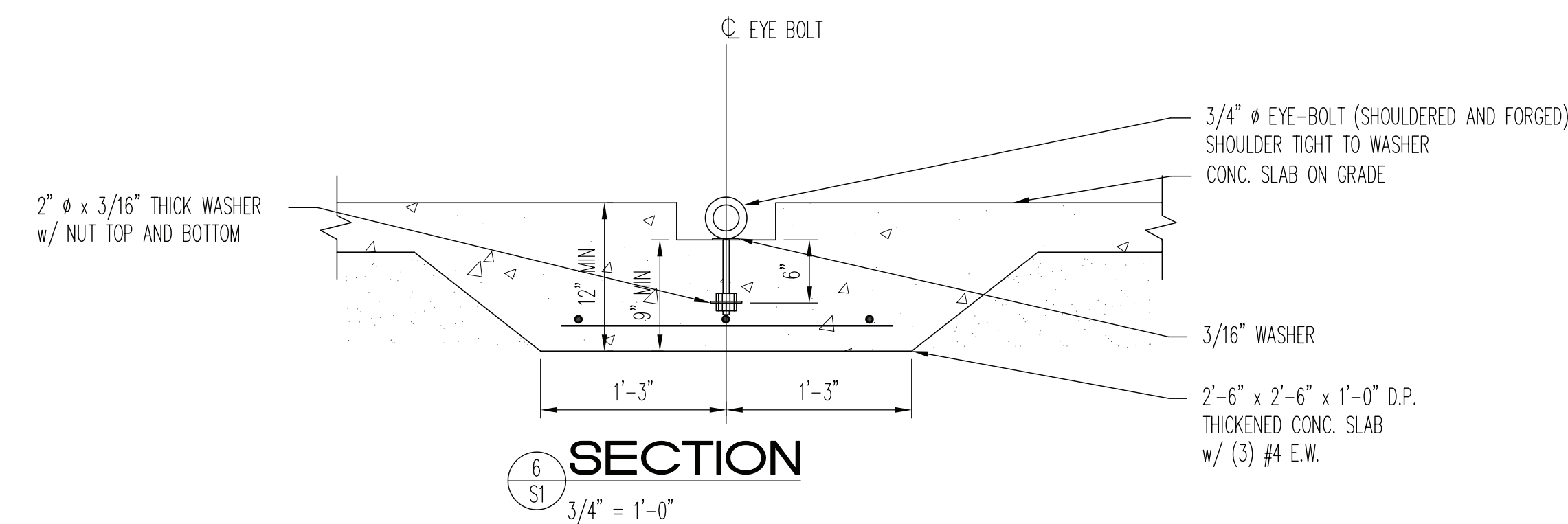
2 PLAN AT TOP OF WALL

1/4" = 1'-0"



3 FRAMING ELEVATION

1/4" = 1'-0"



6 SECTION

3/4" = 1'-0"

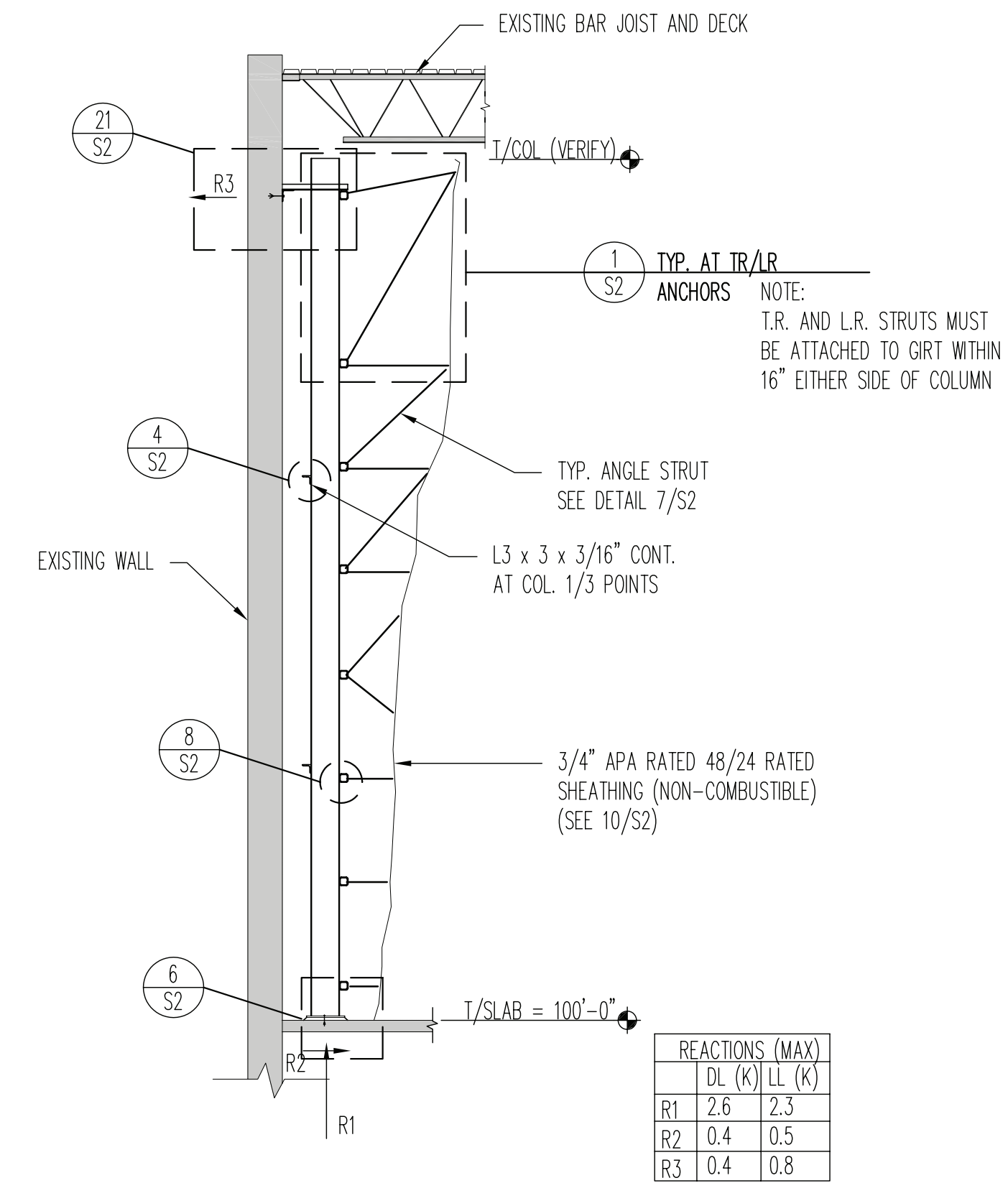
GENERAL STRUCTURAL NOTES

- BUILDING CODES USED FOR DESIGN:**
 - ALSO ASD STEEL CONSTRUCTION MANUAL, 9TH EDITION
- DESIGN LOADS:**
 - DESIGN LIVE LOADS:

LOAD FROM UTILIZATION	360 LBF.
LOAD FROM FALLING	2250 LBF.

 (Ø EA. WALL SUPPORT ANCHOR)
 (Ø EA. LEAD/TOP ROPE ANCHOR)
 - WALL DESIGN IS BASED ON ISOLATED LEAD AND TOP ROPE ANCHORS FROM CLIMBING SURFACE.
- DESIGN STRESSES:**
 - STRUCTURAL STEEL:

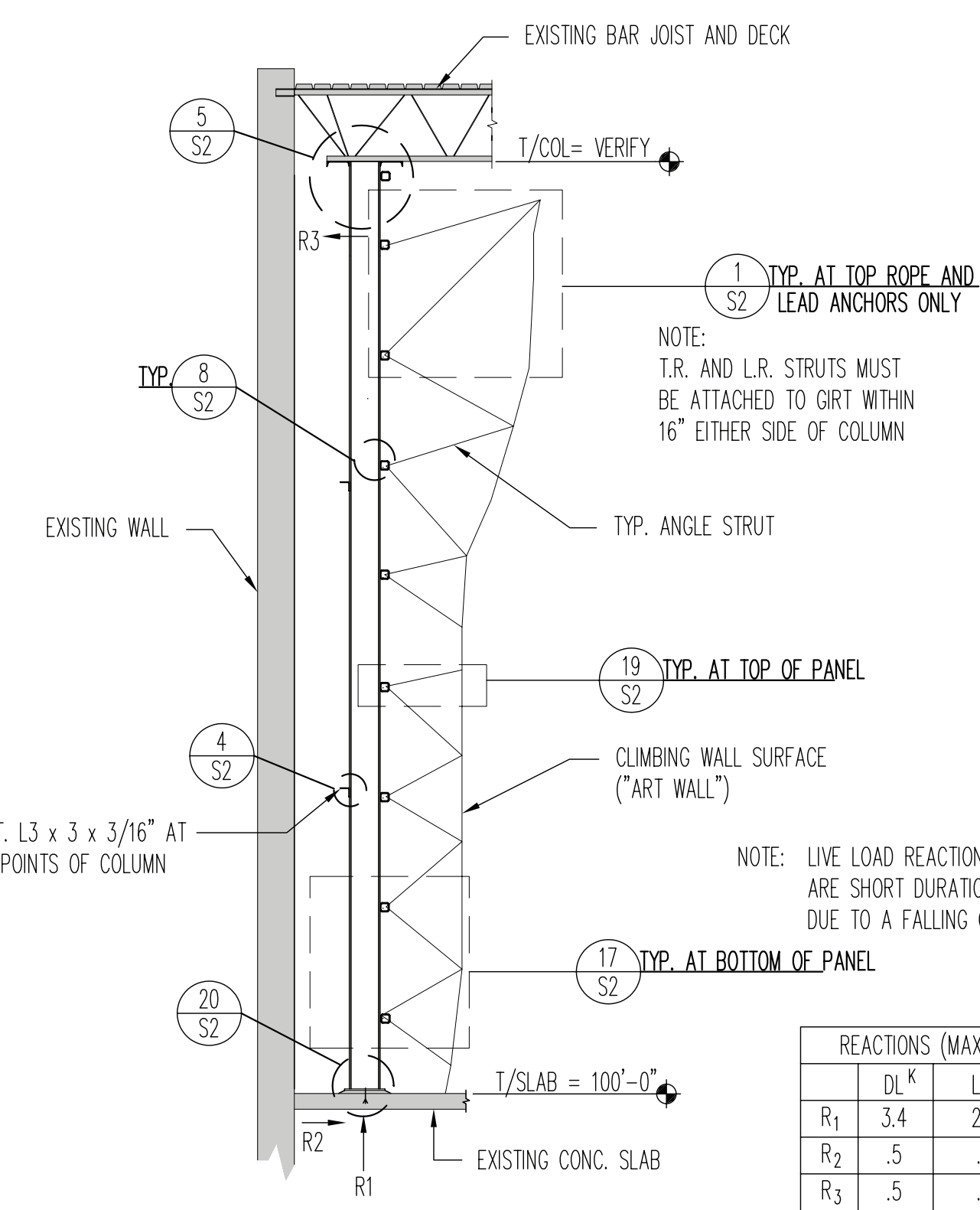
i) WIDE FLANGE SHAPES	Fy = 50,000 PSI ASTM A992
ii) ALL OTHER SHAPES	Fy = 36,000 PSI ASTM A36
b) STRUCTURAL TUBING	Fy = 46,000 PSI ASTM A500 GRADE B
c) PLATES	Fy = 36,000 PSI ASTM A36
d) WELD ELECTRODE	Fu = 70,000 PSI
 - STRUCTURAL STEEL:
 - FABRICATION & ERECTION OF STRUCTURAL STEEL MEMBERS IS TO BE IN ACCORDANCE WITH A.I.S.C. CODE OF STANDARD PRACTICE.
 - ALL CONNECTIONS SHALL BE BOLTED OR WELDED. EACH CONNECTION SHALL BE ADEQUATE TO SUPPORT ONE HALF THE TOTAL UNIFORM LOAD CAPACITY OF THE BEAM, UNLESS NOTED OTHERWISE ON THE PLANS. BOLTED CONNECTIONS SHALL HAVE A MINIMUM OF TWO BOLTS.
 - ALL WELDING SHALL BE BY QUALIFIED WELDERS AND SHALL CONFORM TO THE STANDARDS OF THE AMERICAN WELDING SOCIETY, D11-98-STRUCTURAL WELDING CODE - STEEL. WELDING OF GALVANIZED PARTS IS NOT PERMITTED.
 - ELECTRODES FOR ALL FIELD AND SHOP WELDING SHALL CONFORM TO WATCHDOG FILLER METAL REQUIREMENTS OF AWS D11-98.
 - FIELD CONNECTIONS ARE TO BE BOLTED. USE 3/4" DIAM. HIGH STRENGTH BOLTS AND NUTS (A325) UNLESS SHOWN OTHERWISE ON PLANS.
 - CUTS, HOLES (OPENINGS), ETC. REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL NOT BE ALLOWED, EXCEPT BY WRITTEN PERMISSION FROM THE ARCHITECT.
 - DRIILLED ANCHORS:
 - ALL SLEEVE ANCHOR BOLTS SHALL BE HELI "HLC" SLEEVE ANCHORS.
 - ALL EXPANSION BOLTS SHALL BE HELI "KIM-BOLTS", SIMPSON "WEDGE-ALL" OR RAMSEY/REHEAD "TRUBOLT", UNLESS NOTED OTHERWISE ON THE DRAWINGS.
 - ADHESIVE ANCHORAGE FOR DRIILLED REBAR DOMELS SHALL BE HELI "HT HY 150 ADHESIVE" OR SIMPSON "EPOXY-TIE" OR SIMPSON "ACRYLIC-TIE", UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- CONSTRUCTION PROCEDURE:**
 - THE STRUCTURE SHALL BE ADEQUATELY BRACED AND SHORED DURING ERECTION AGAINST WIND AND ERECTION LOADS. STRUCTURAL MEMBERS ARE DESIGNED FOR "IMPACT" LOADS.
 - COMPLY WITH ALL APPLICABLE CITY, COUNTY, STATE AND FEDERAL LAWS, INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) AND REGULATIONS ADOPTED PURSUANT THERETO.
 - THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE NOTED, THEY DO NOT INDICATE THE MEANS OR METHOD OF CONSTRUCTION. PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN OR OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SCAFFOLDING, PLANING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND ON POLES, ETC.
 - ENGAGE PROPERLY QUALIFIED PERSONS TO DETERMINE WHERE AND HOW "TEMPORARY PRECAUTIONARY MEASURES SHALL BE USED AND INSPECT SAME IN THE FIELD. OBSERVATION VISITS TO THE SITE BY ENGINEER'S FIELD REPRESENTATIVE SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
 - SUPERVISE AND DIRECT THE WORK SO AS TO MAINTAIN SOLE RESPONSIBILITY FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. AS A PART OF THIS RESPONSIBILITY, RETAIN THE SERVICES OF A LICENSED STRUCTURAL ENGINEER TO DESIGN AND SUPERVISE ANY SCAFFOLDING FOR WORKMEN, AND ALL SHORING OF FORMS AND ELEMENTS OF THE CONSTRUCTION.
- MISCELLANEOUS:**
 - PLACEMENT OF ANCHOR BOLT, PIPE SLEEVES, PADS AND OPENINGS FOR ERECTION AGAINST WIND AND ERECTION LOADS. STRUCTURAL MEMBERS ARE DESIGNED FOR "IMPACT" LOADS.
 - ALL CORE DRILLING SHALL BE DONE UNDER THE SUPERVISION OF THE GENERAL CONTRACTOR. NO REINFORCING SHALL BE CUT. VERIFY LOCATION OF REINFORCING BEFORE CORE DRILLING. THERE SHALL NOT BE ANY CORE DRILLING THROUGH BEAMS OR COLUMNS. MAXIMUM CORE HOLE THROUGH SLABS SHALL BE PIPE DIAMETER PLUS 1".
- COORDINATION WITH ARCHITECTURAL DRAWINGS:**
 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. WHERE DISCREPANCIES OCCUR IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT PRIOR TO CONSTRUCTION.
- NEW WORK IN CONJUNCTION WITH EXISTING CONSTRUCTION:**
 - THE CONTRACTOR SHALL VERIFY, BY FIELD CHECK, ALL SIZES, DIMENSIONS, ELEVATIONS, LOCATIONS, ETC. OF ELEMENTS OF THE EXISTING CONSTRUCTION WHICH ARE RELATIVE TO THE NEW CONSTRUCTION.
 - ALL DIMENSIONS INVOLVING NEW WORK TIED INTO OR COVERED BY EXISTING CONSTRUCTION SHALL BE FIELD CHECKED BY THE CONTRACTOR AND FURNISHED TO THE SUBCONTRACTOR PRIOR TO FABRICATION OF ANY WORK. THE VERIFIED DIMENSIONS SHALL APPEAR AND BE NOTED AS SUCH ON THE FIRST SHOP DRAWING SUBMITTED.
 - THE ENGINEER HAS MADE ASSUMPTIONS CONCERNING THE SOUNDNESS OF THE EXISTING BUILDINGS AND THESE ASSUMPTIONS ARE THAT THIS BUILDING WAS DESIGNED AND CONSTRUCTED IN CONFORMITY WITH GOOD DESIGN AND CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL TAKE EXTRAORDINARY PRECAUTIONS CONCERNING PRESERVATION OF THE BUILDING DURING DEMOLITION AND NEW CONSTRUCTION WORK. FURTHER, HE SHALL AGREE TO ASSUME ALL RESPONSIBILITY FOR THE PRESERVATION OF THIS PROPERTY.
 - THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND ACTUAL FIELD CONDITIONS.
 - ALL HOLES THROUGH EXISTING CONCRETE OR MASONRY CONSTRUCTION SHALL BE CORE DRILLED OR SAW CUT. NEW OPENINGS MUST BE MADE WITH ENGINEER'S APPROVAL.
 - CUTTING OF EXISTING STRUCTURAL STEEL IS PROHIBITED WITHOUT APPROVAL FROM THE ENGINEER.



4 TYP. SECTION-"WEST COAST"

1/4" = 1'-0"

REACTIONS (MAX.)		
	DL (K)	LL (K)
R1	2.6	2.3
R2	0.4	0.5
R3	0.4	0.8



5 TYP. SECTION-"ART WALL"

1/4" = 1'-0"

REACTIONS (MAX.)		
	DL (K)	LL (K)
R1	3.4	2.3
R2	.5	.5
R3	.5	.8

NICROS
845 PHALEN BLVD.
ST PAUL, MINNESOTA 55106

Larson Engineering of Minnesota
3524 Labore Road
White Bear Lake, MN 55110
(P) 651.481.9120 (F) 651.481.9201

PLANS AND SECTIONS

TYPICAL CLIMBING WALL PLANS AND DETAILS

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