

DATE	REVISIONS
4/21/16	
PROJECT 16-022	
DRAWN SSF	
CHECKED BFS	
FILE R_B_Shop_16_022.dwg	
SCALE 1/4" = 1'-0"	

ROAD AND BRIDGE
FOUNDATION PLAN
OAK CREEK SHOP REMODEL
2300 COUNTY ROAD SHOP
SBS, COLORADO 80477

SHEET

S-1

1 OF 2

GENERAL NOTES

DESIGN LIVE LOADS

- a. Pre-Manufactured Metal Building..... See Olympia Steel Buildings Proj. #U1600196A
- d. Floors..... 125 psf

FOUNDATION DESIGN

- a. Design of individual and continuous footings is based on a maximum allowable bearing pressure of 1500 psf dead load plus live load and 500 psf min. dead load placed on the natural undisturbed soils below frost depth as described in soils report.
- b. Soils report 16-1031 by Northwest Colorado Consultants, Inc.

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. 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.

EPOXY ADHESIVE ANCHORING SYSTEM

- a. Epoxy adhesive anchoring system shall be Hilti HIT-RE 500 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"Ø - 6 3/4", 5/8"Ø - 5 5/8", 1/2"Ø - 4 1/2".

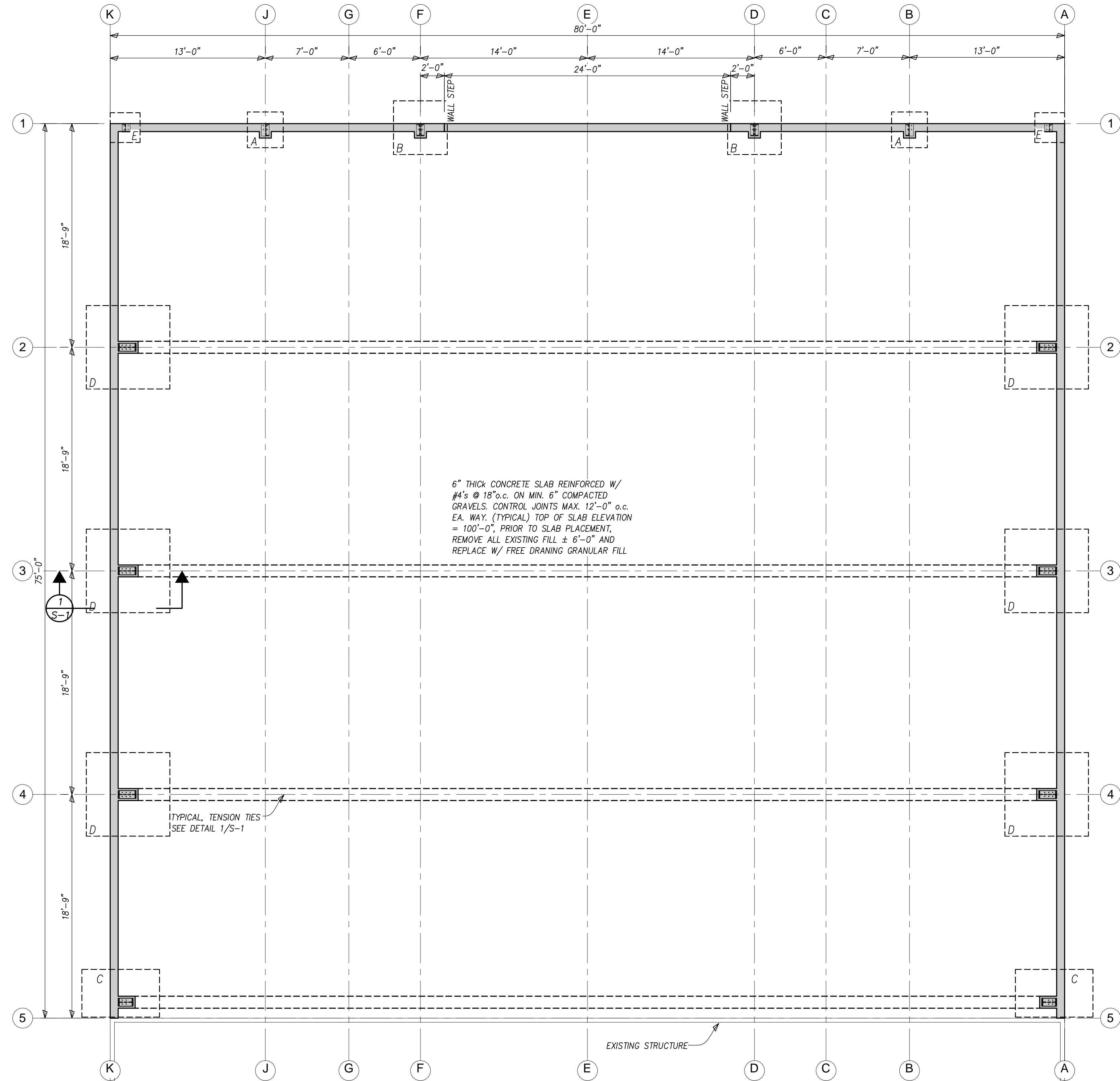
STRUCTURAL ERECTION AND BRACING REQUIREMENTS

- 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.

SPECIAL INSPECTIONS

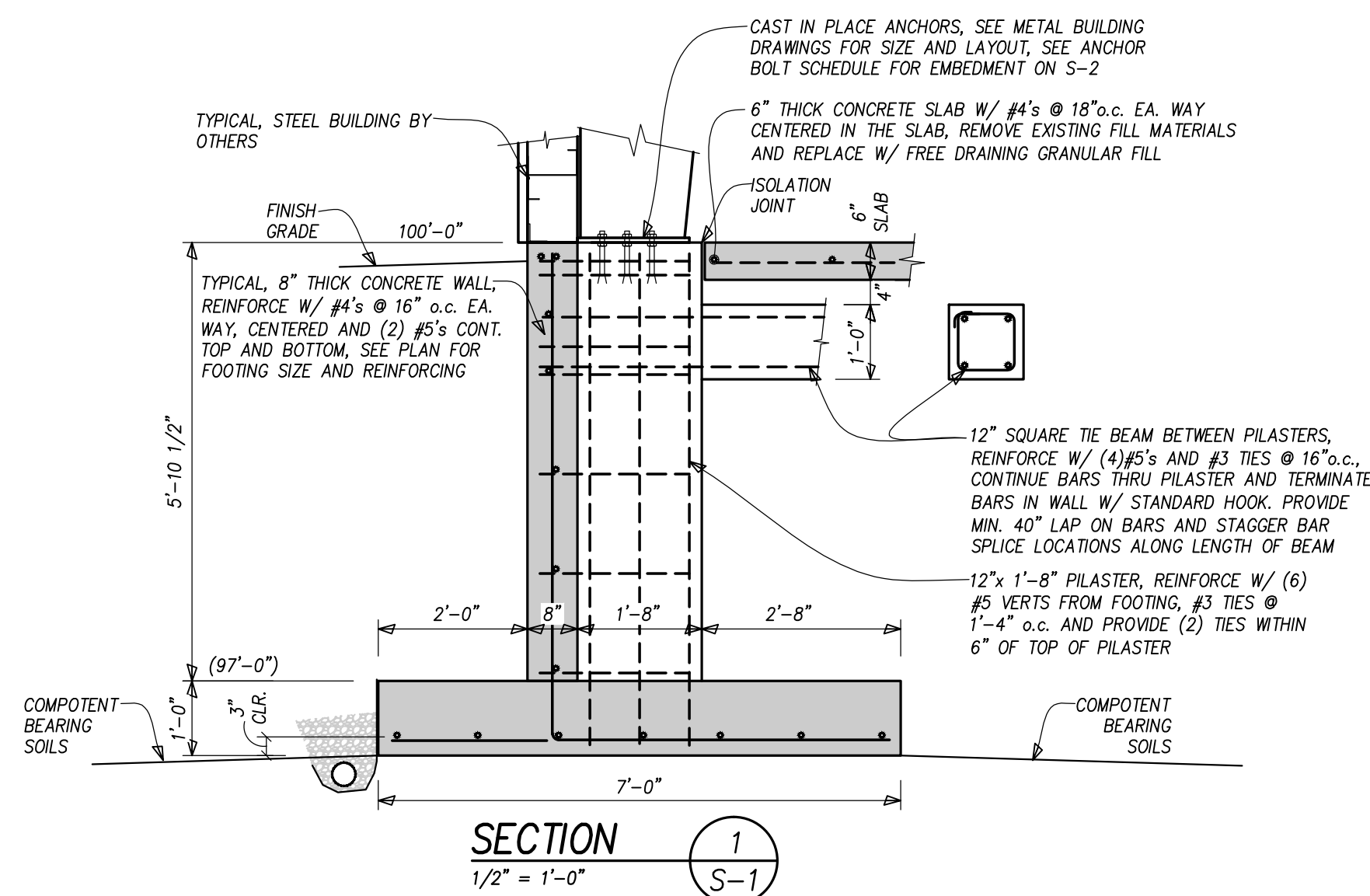
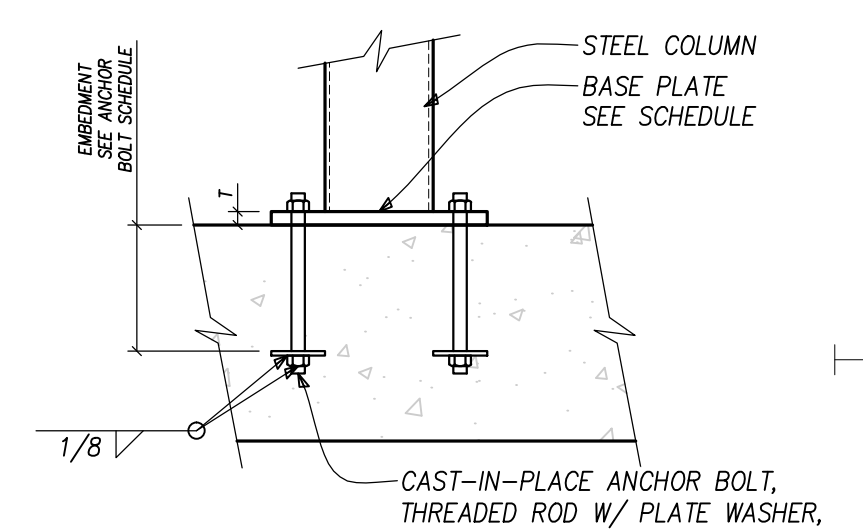
- a. All special inspections shall comply with chapter 17 of the International Building Code (IBC). These inspections are in addition to the inspections specified in Section 109 of the IBC.
- b. The Special Inspector and testing agent shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official prior to commencing work.
- c. The Special Inspector shall be a qualified person who shall demonstrate competence, to the satisfaction of the Building Official, for inspection of the particular type of construction or operation requiring special inspection.
- d. The credentials of all inspectors, administrators and testing technicians shall be provided if requested.
- e. The Special Inspector shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge.
- f. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge.
- g. The Special Inspection program does not relieve the Contractor of his or her responsibilities.
- h. A Final Report of Special Inspections documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.
- i. Job site safety and means and methods of construction are solely the responsibility of the Contractor.
- j. The Special Inspection program does not relieve the Contractor or any other entity of any contractual duties, including quality control, quality assurance, or safety.
- k. The Contractor is solely responsible for construction means, methods, and job site safety.
- l. Special inspection is required for the off site fabrication of structural steel load-bearing members and assemblies unless the work is done on the premises of a fabricator registered and approved to perform such work without special inspection.
- m. In addition to special inspections required by chapter 17 of the IBC and those required by the Building Official the following site specific inspections are required:
 1. Installation and tightening of high strength bolts.

PRELIMINARY, NOT FOR CONSTRUCTION

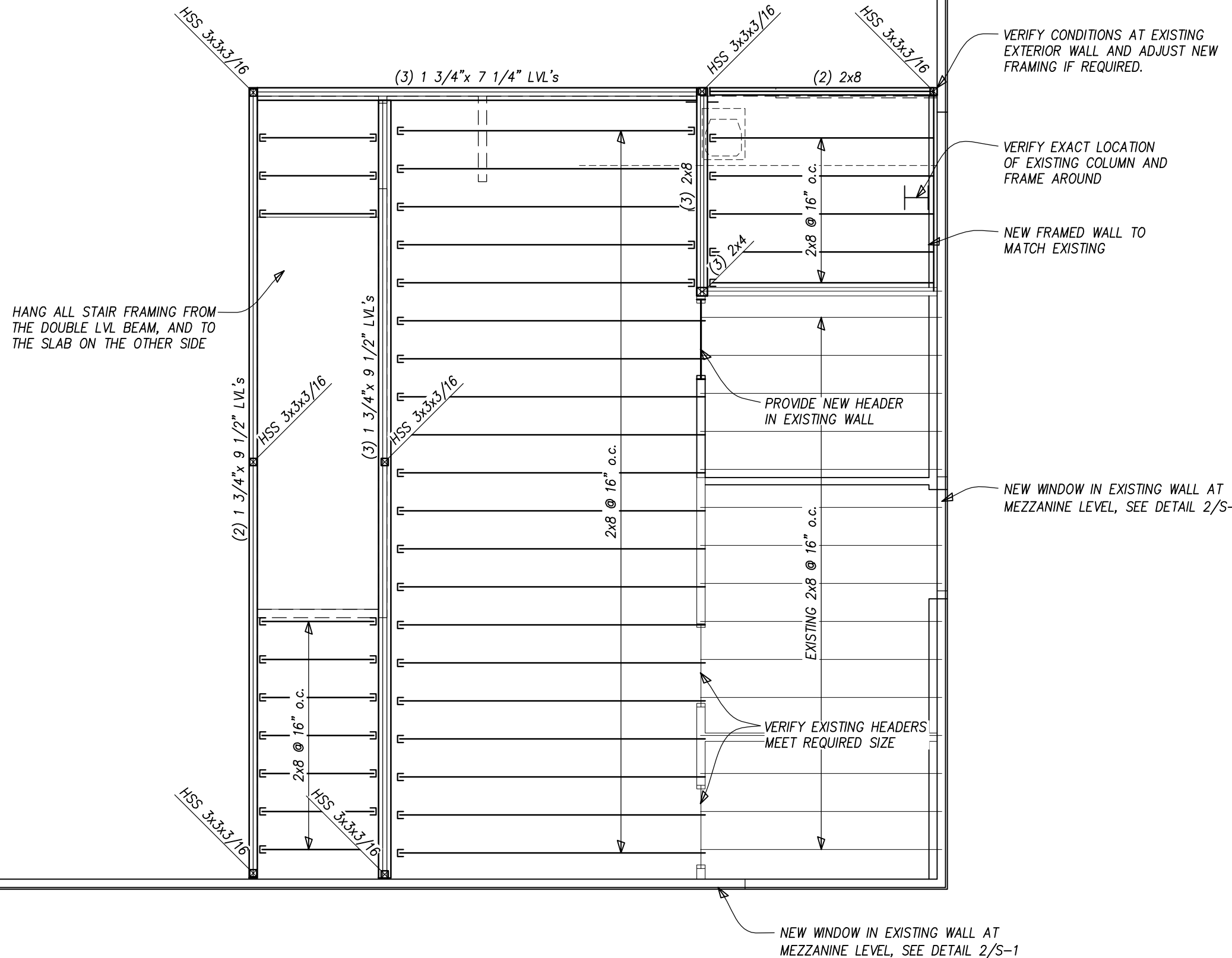


FOUNDATION PLAN
Scale : 3/16" = 1'-0"
NORTH ELEVATION: XXXX.X = 100' 0"

SPREAD FOOTING SCHEDULE		ANCHOR BOLT SCHEDULE			
TYPE	SIZE	REINFORCING	ANCHOR ROD Ø	MINIMUM PLATE WASHER SIZE	MINIMUM EMBEDMENT
A	3'-0" x 3'-0" x 1'-0"	(3) #5'S EA. WAY, BOTTOM	3/4"	2 1/2" x 2 1/2" x 3/8"	12"
B	4'-6" x 4'-6" x 1'-0"	(5) #5'S EA. WAY, BOTTOM	1"	3 1/2" x 3 1/2" x 1/2"	16"
C	6'-6" x 4'-0" x 1'-0"	(6) #5'S ONE WAY AND (4) THE OTHER DIRECTION, BOTTOM			
D	7'-0" x 7'-0" x 1'-0"	(7) #5'S EA. WAY, BOTTOM			
E	2'-6" x 2'-6" x 1'-0"	(3) #5'S EA. WAY, BOTTOM			



PRELIMINARY, NOT FOR CONSTRUCTION



MEZZANINE FRAMING PLAN
 Scale : 1/4" = 1'-0"

NORTH

TYPICAL AT FLOOR, 3/4" APA RATED, EXPOSURE 1, SHEATHING TOP OF SHEATHING ELEVATION TO MATCH EXISTING

EXTERIOR WALLS ARE OF AN EXISTING METAL BUILDING. VERIFY EXACT DIMENSIONS AND FRAMING AT TIME OF CONSTRUCTION.

FRAMED INTERIOR BEARING WALLS ARE TO BE 2x4 @ 16" o.c. W/ 7/16" APA RATED SHEATHING TO MATCH EXISTING

TYPICAL HEADER THIS PLAN, (2) 2x6's W/ (1) 2x4 TRIMMER AND (1) 2x4 KING STUD EACH END UNLESS NOTED OTHERWISE

TYPICAL ALL BEAMS TO BE FLUSH FRAMED TO MATCH EXISTING SHEATHING ELEVATION

☒ INDICATES SIZE OF COLUMN BELOW BEAM AT INDICATED LOCATION

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