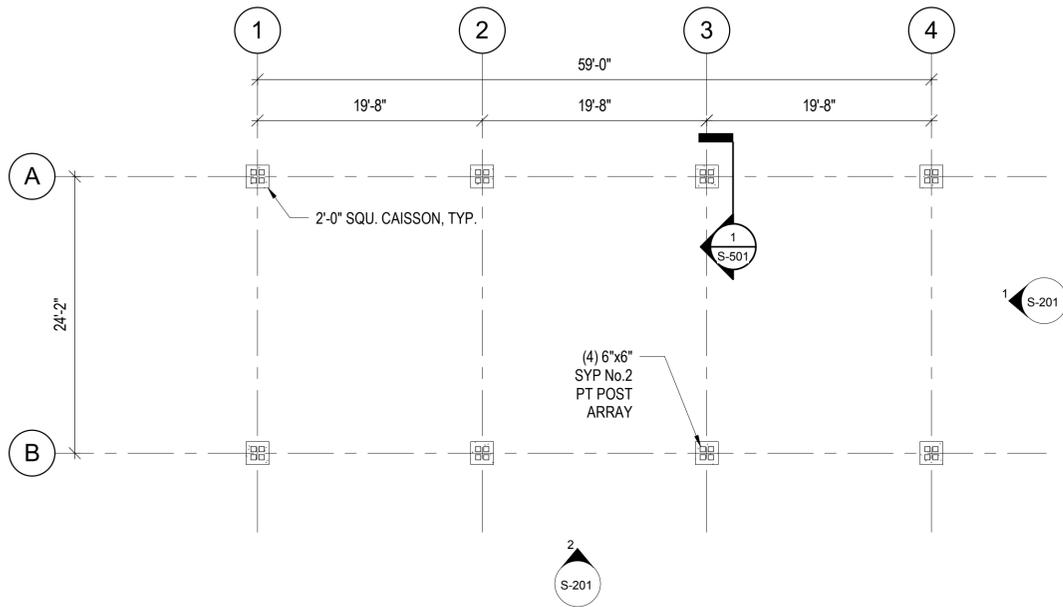


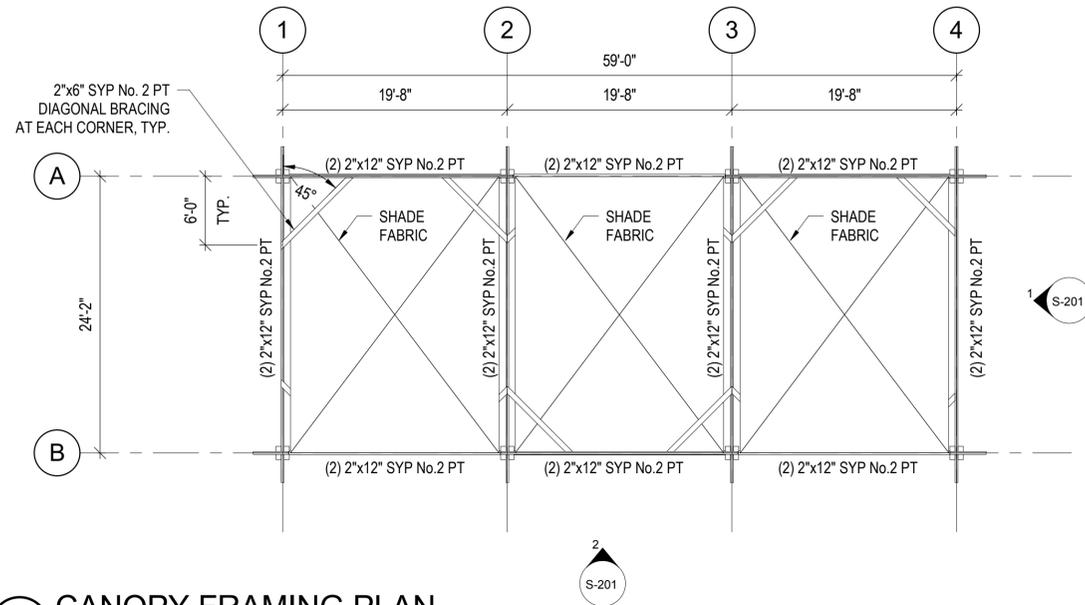
1 ISOMETRIC VIEW

S-101



2 FOUNDATION PLAN

S-101 1/8" = 1'-0"



3 CANOPY FRAMING PLAN

S-101 1/8" = 1'-0"

GENERAL STRUCTURAL NOTES

1.00 GENERAL

- 1.01 DRAWINGS SHOW TYPICAL AND CERTAIN SPECIFIC CONDITIONS ONLY. FOR DETAILS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS SIMILAR TO THOSE SHOWN.
- 1.02 VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY DISCREPANCY.
- 1.03 THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR
- 1.04 COORDINATE STRUCTURAL CONTRACT DOCUMENTS WITH ARCHITECTURAL. NOTIFY ENGINEER OF ANY CONFLICT AND/OR OMISSION. CONTRACTOR SHALL MAKE NO DEVIATION FROM DESIGN DRAWINGS WITHOUT WRITTEN APPROVAL OF THE ENGINEER.
- 1.05 ANY BRAND SPECIFIC MATERIALS MAY BE SUBSTITUTED W/ AN EQUIVALENT PRODUCT BY AN ALTERNATE MANUF. IF APPROVED BY THE ENGINEER OF RECORD, U.N.O.

2.00 CONCRETE

- 2.01 PRIOR TO CASTING FOUNDATIONS, PREPARE THE SITE IN ACCORDANCE WITH PLANS, SPECIFICATIONS AND REQUIRED COMPACTION.
- 2.02 UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE NORMAL WEIGHT AND HAVE THE FOLLOWING MINIMUM 28-DAY COMPRESSIVE STRENGTHS:

POST FOUNDATIONS	f'_c	3,000 PSI
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3.00 WOOD FRAMING

- 3.01 ALL WOOD FRAMING MEMBERS ARE INTENDED TO ACT AS A SYSTEM AS DETAILED IN THE STRUCTURAL DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE SAFETY AND STABILITY OF THE WOOD FRAMING SYSTEMS (I.E. TEMPORARY BRACING IF REQUIRED) DURING CONSTRUCTION.
- 3.02 ALL SAWN LUMBER SHALL CONFORM TO THE AMERICAN SOFTWOOD LUMBER STANDARD, PS20-15. LUMBER SHALL BE OF THE SPECIES AND GRADE SHOWN BELOW, UNLESS NOTED OTHERWISE:

MEMBER	GRADE
POST/COLUMNS	SOUTHERN YELLOW PINE No.2 PRESSURE TREATED
BEAMS	SOUTHERN YELLOW PINE No.2 PRESSURE TREATED

- 3.03 STORAGE OF ALL LUMBER AND TIMBER ON SITE SHALL BE KEPT OFF OF THE GROUND, UNDER COVER, AND PROTECTED FROM DAMAGE.
- 3.04 FASTENERS FOR PRESERVATIVE-TREATED AND FIRE-RETARDENT-TREATED WOODS SHALL BE OF HOT-DIPPED ZINC COATED GALVANIZED STEEL OR STAINLESS STEEL AND SHALL FOLLOW CURRENT MANUFACTURER'S GUIDELINES.
- 3.05 HOLES FOR BOLTS SHALL BE DRILLED WITH A BIT OF THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16". LEAD HOLES FOR LAG SCREWS SHALL BE DRILLED PER NDS.
- 3.06 ALL BOLTS, CARRIAGE BOLTS, LAG SCREWS, EXPANSION BOLTS, AND EPOXY BOLTS SHALL BE INSTALLED WITH STANDARD CUT WASHERS AND NUTS THAT BEAR DIRECTLY ON THE WOOD. ALL NUTS SHALL BE TIGHTENED AT THE TIME OF INSTALLATION AND RE-TIGHTENED IF NECESSARY, DUE TO WOOD SHRINKAGE, PRIOR TO CLOSE-IN OR AT THE COMPLETION OF THE PROJECT. BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1. WOOD SCREWS SHALL CONFORM TO B18.6.1. ALL BOLTS SHALL CONFORM TO ASTM A307 GRADE A UNLESS NOTED OTHERWISE. THE MINIMUM STRENGTHS FOR LAG SCREWS AND WOOD SCREWS SHALL BE AS FOLLOWS:

WOOD SCREW DIAMETER-INCHES	MIN. BENDING YIELD STRENGTH (PSI)
0.138 (#6)	100,000
0.151 (#7)	90,000
0.164 (#8)	90,000
0.177 (#9)	90,000
0.190 (#10)	80,000
0.216 (#12)	80,000
0.246 (#14)	70,000

LAG SCREW DIAMETER-INCHES	MIN. BENDING YIELD STRENGTH (PSI)
1/4"	70,000
5/16"	60,000
3/8" AND GREATER	45,000

- 3.07 ALL NAILS FOR STRUCTURAL WORK SHALL BE COMMON WIRE NAILS UNLESS NOTED OR DETAILED OTHERWISE MEETING ASTM F1667. HOLES SHALL BE PRE-DRILLED WHERE NECESSARY TO PREVENT SPLITTING. NAILS SHALL HAVE THE MINIMUM PROPERTIES SPECIFIED IN THE TABLE BELOW:

NAIL TYPE	SHANK DIAMETER-INCHES	MIN. PENETRATION-INCHES	MIN. BENDING YIELD STRENGTH (PSI)
6d	0.113	1.13	100,000
8d	0.131	1.31	100,000
10d	0.148	1.48	90,000
12d	0.148	1.48	90,000
16d	0.162	1.63	90,000
20d	0.192	1.92	80,000

4.00 SUN SHADE FABRIC

- 4.01 SHADE CANOPY MATERIAL SHALL BE FIRE RETARDANT, UV RESISTANT, AND WITHSTAND THE APPLICABLE LOADING FROM THE DESIGN WIND LOAD CRITERIA LISTED BELOW. THE SHADE IS NOT REQUIRED TO BE RETRACTABLE BUT MUST BE REMOVABLE AND REPLACEABLE.
- 4.02 SHADE CANOPY MUST SHED WATER TO THE EDGES OF THE CANOPY OR WEEP THROUGH THE FABRIC TO PREVENT RISK OF COLLAPSE.
- 4.03 CONTRACTOR SHALL SUBMIT MATERIAL PRODUCT SPECIFICATIONS AND FINISH FOR REVIEW AND APPROVAL BY EOR.

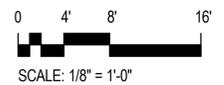
DESIGN CRITERIA – CODES AND SPECIFICATIONS

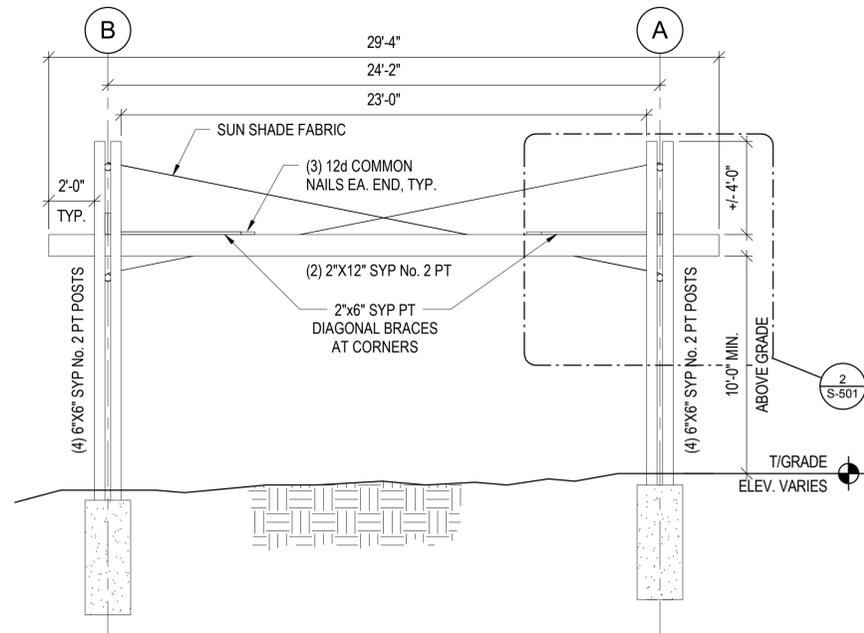
- 1. INTERNATIONAL BUILDING CODE 2015.
- 2. ASCE/SEI 7-10-MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
- 3. NDS 2015-NATIONAL DESIGN ASSOCIATION SPECIFICATION FOR WOOD CONSTRUCTION.

DESIGN LOADS

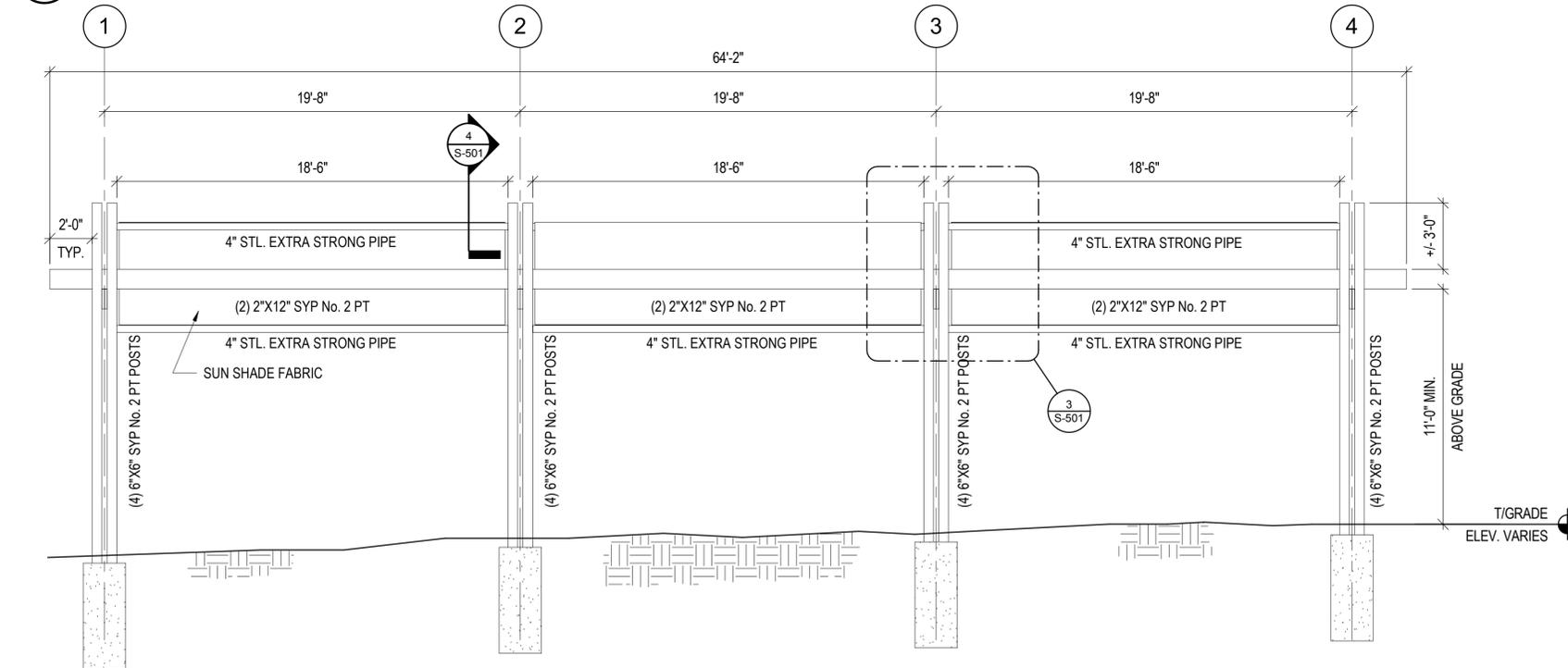
WIND LOAD

BASIC WIND SPEED (ULTIMATE)	105 MPH
BASIC WIND SPEED (NOMINAL)	81 MPH
RISK CATEGORY	I
WIND EXPOSURE	C
BUILDING CATEGORY	OPEN





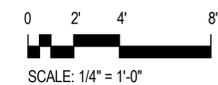
1 TRANSVERSE ELEVATION
S-201 1/4" = 1'-0"



2 LONGITUDINAL ELEVATION
S-201 1/4" = 1'-0"

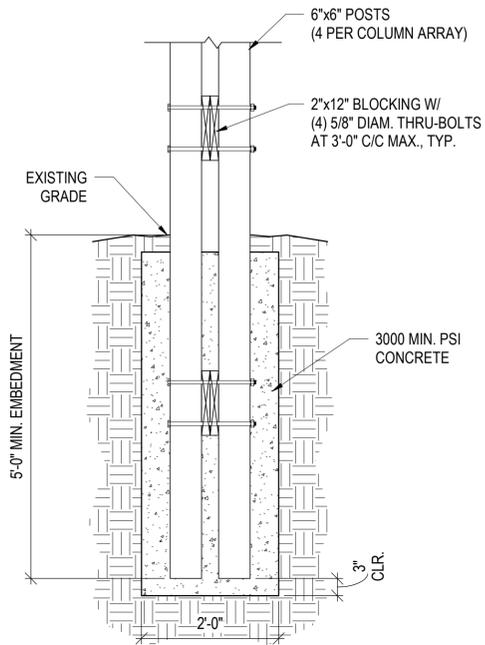
ELEVATION SHEET NOTES:

- REFER TO TYPICAL DETAILS FOR MINIMUM CONNECTION REQUIREMENTS.

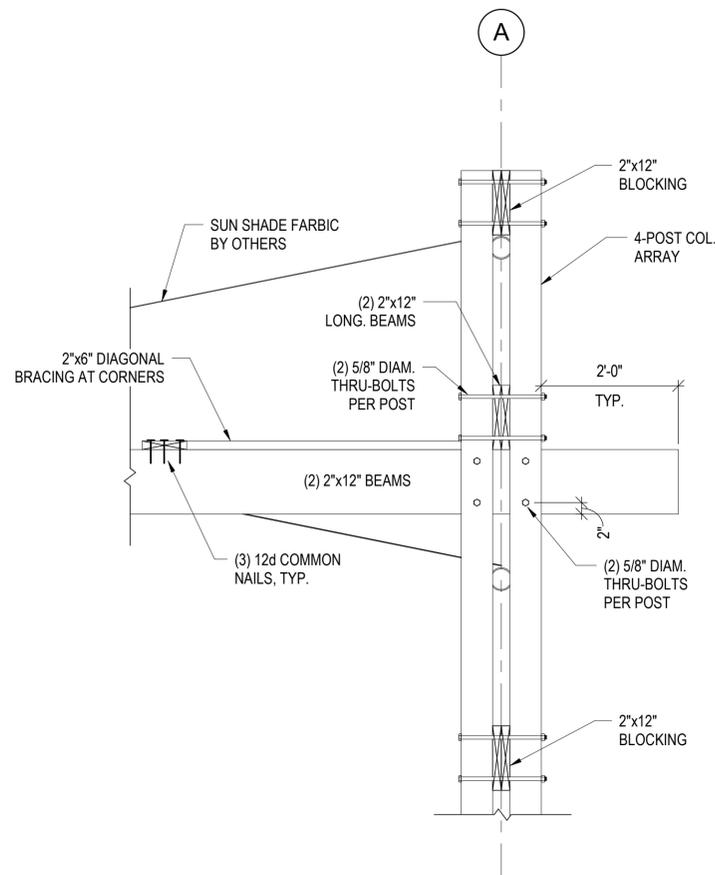


PLAN ELEVATIONS

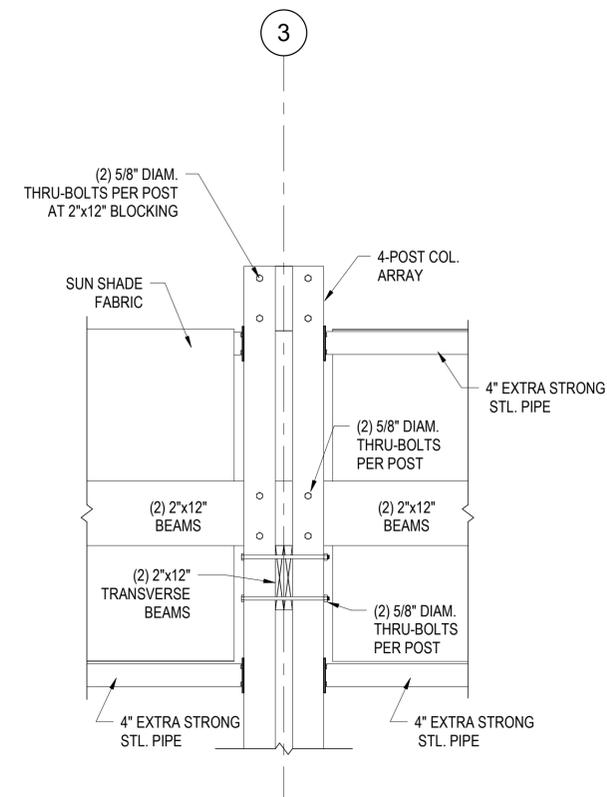




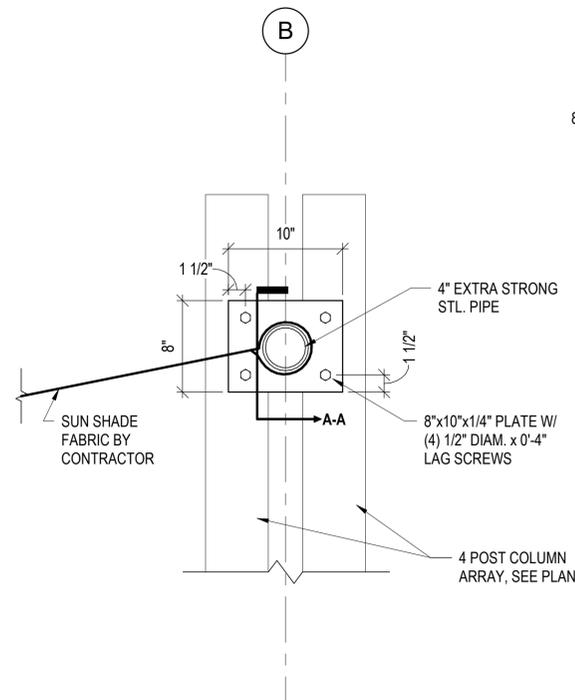
1 POST FOOTING
S-501 3/4" = 1'-0"



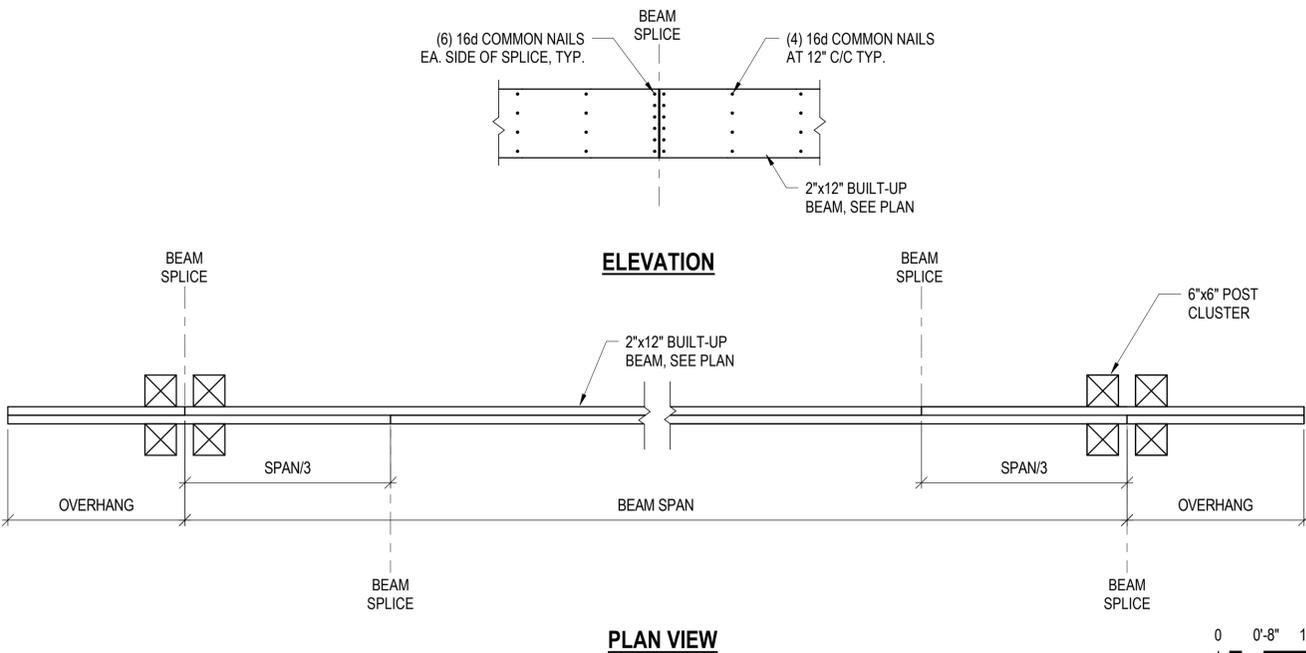
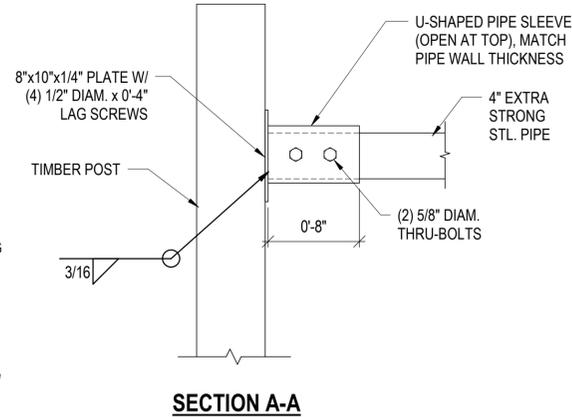
2 TRANSVERSE BEAM CONNECTION
S-501 3/4" = 1'-0"



3 LONGITUDINAL BEAM CONNECTION
S-501 3/4" = 1'-0"



4 FABRIC SUPPORT PIPE
S-501 1 1/2" = 1'-0"



5 BEAM SPLICE DETAIL
S-501 3/4" = 1'-0"

