

## S T R U C T U R A L   N O T E S

### STRUCTURAL STEEL AND STEEL JOIST NOTES:

1. ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC SPECIFICATIONS AND CODES, LATEST EDITION.
2. ALL WIDE FLANGE SECTION STRUCTURAL BEAMS (W) SHALL BE ASTM A992 ASTM 50 ksi. BASE PLATES AND SHIMS SHALL BE ASTM A36. ALL STRUCTURAL SECTIONS (HSS) SHALL BE ASTM A500 GRADE B WITH A MINIMUM 46 KSI.
3. ALL ANCHOR BOLTS AND THREADED ROOFS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F1554.
4. ALL BOLTS, NUTS AND WASHERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A325 FOR 3/4" DIAMETER HIGH STRENGTH BOLTS UNLESS NOTED OTHERWISE.
5. ALL WELDING ELECTRODES SHALL BE E70XX.
6. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS AND SHALL CONFORM TO THE AWS CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION, LATEST EDITION.
7. NO CONNECTION SHALL CONSIST OF LESS THAN TWO 3/4" DIAMETER BOLTS OR WELDS DEVELOPING A MINIMUM OF 10,000 POUNDS UNLESS NOTED OTHERWISE.
8. ALL FILLET WELDS SHALL BE A MINIMUM OF 1/4" UNLESS NOTED OTHERWISE.
9. ALL WELDS SHALL BE VISUALLY INSPECTED AND ALL FULL PENETRATION WELDS SHALL BE INSPECTED BY MAGNETIC PARTICLE TESTING.
10. AN INDEPENDENT STEEL TESTING AGENCY SHALL PERFORM ALL INSPECTION AND TESTING. THE TESTING AGENCY SHALL SUBMIT A REPORT TO THE ARCHITECT. THE TESTING AGENCY SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL TEMPERATURE DIFFERENTIALS AND STABILITY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF ALL ERECTION PROCEDURES AND SEQUENCES WITH RELATION TO TEMPERATURE DIFFERENTIALS AND STABILITY.
12. AFTER FABRICATION, ALL STEEL, EXCEPT THAT TO BE GALVANIZED, SHALL BE CLEANED, ALL RUST, DIRT AND OIL SHALL BE REMOVED. FOREIGN MATERIALS AND RESIDUE ONE COAT OF APPROVED PRIMER PAINT.
13. THE FABRICATOR SHALL FURNISH CHECKED SHOP AND ERECTION STRUCTURAL STEEL.
14. CUTS, HOLES, OPENINGS, ETC. REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK SHOWN HEREIN SHALL BE SHOWN ON SHOP DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, DESIGNING OF HOLES OR CUTS IN STRUCTURAL STEEL MEMBERS IN THE FIELD WILL NOT BE PERMITTED EXCEPT BY WRITTEN PERMISSION FROM THE ARCHITECT.
15. THE DESIGN, FABRICATION, PAINTING, AND ERECTION OF STEEL JOISTS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF THE STEEL JOIST INSTITUTE (SJI) STANDARD SPECIFICATIONS.
16. CONTINUOUS HORIZONTAL BRACING SHALL BE PROVIDED WITH DESIGN AND CONNECTIONS CONFORMING TO THE SPECIFICATIONS. ALL BRACING SHALL BE INSTALLED BEFORE ANY CONSTRUCTION LOADS ARE PLACED ON THE JOISTS. THE ENDS OF ALL BRACING LINES SHALL BE SECURELY ANCHORED TO ADJACENT WALLS OR BEAMS AT TERMINATION POINTS.
17. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

### STEEL DECK NOTES:

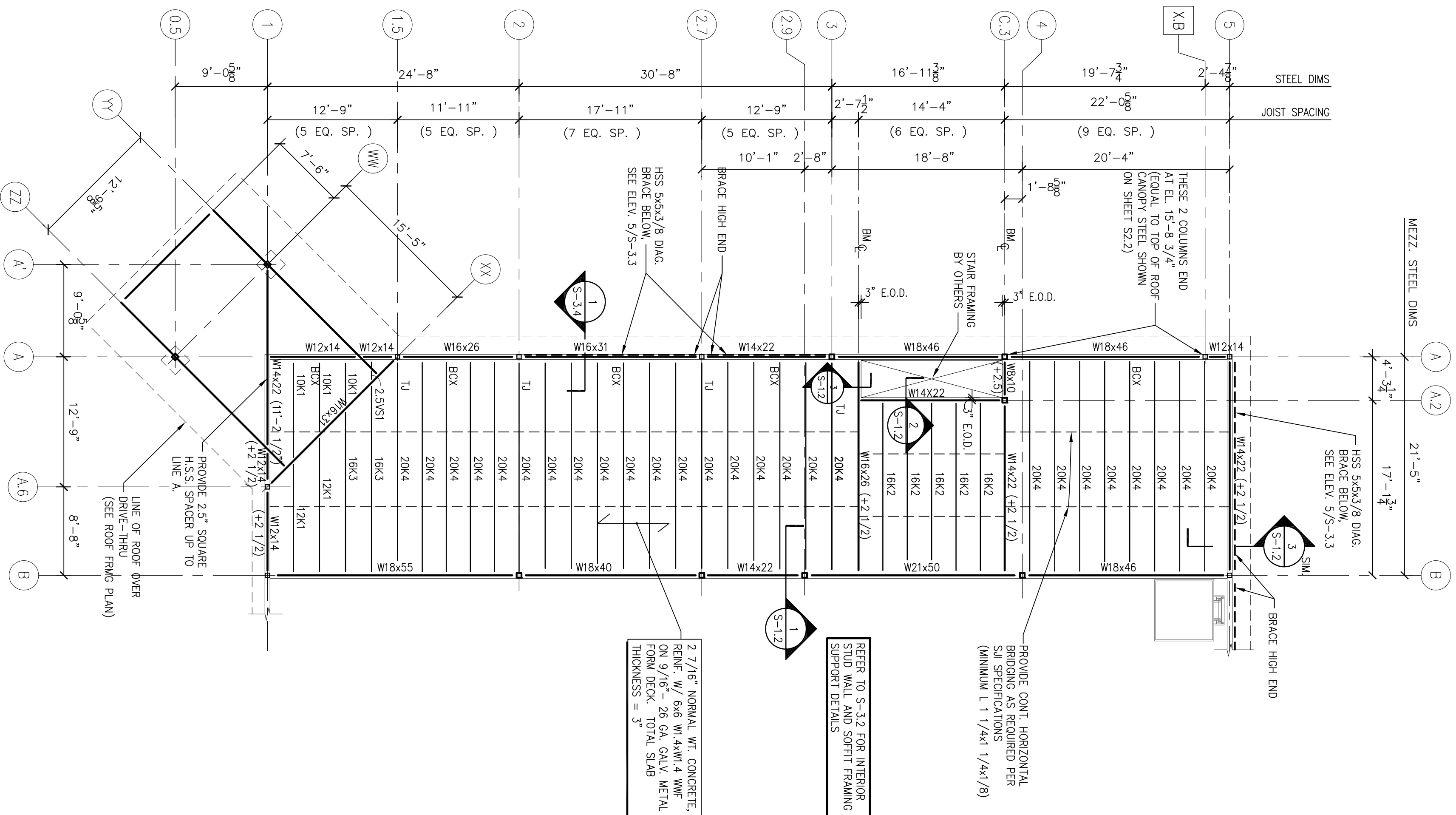
1. ALL STEEL DECKING SHALL CONFORM TO THE STEEL DECK INSTITUTE (SDI) APPLICABLE SPECIFICATIONS AND REQUIREMENTS. INSTALLATION SHALL BE PER THE MANUFACTURER'S RECOMMENDATIONS IN ACCORDANCE WITH SDI SPECIFICATIONS.
2. STEEL DECK SHALL TYPICALLY BE STORED OFF THE GROUND AT THE JOBSITE, AND BE PROTECTED FROM THE ELEMENTS WITH A WATERPROOF COVERING WHERE REQUIRED.
3. DECK SHEETS SHALL BE PLACED IN ACCORDANCE WITH APPROVED ERECTION LAYOUT DRAWINGS SUPPLIED BY THE DECK MANUFACTURER. UNLESS NOTED OTHERWISE, END LAPS SHALL OCCUR OVER SUPPORTS, AND SHALL NOT BE LESS THAN 2" MINIMUM.
4. ALL STEEL TO BE USED FOR DECKING SHALL BE GALVANIZED.
5. UNLESS NOTED OTHERWISE ON PLANS, THE FOLLOWING DECKING SHALL BE PROVIDED:  
FLOOR DECK ..... 9/16"-26 GA. (TYPE O6C BY VULCRAFT OR EQUAL)  
ROOF DECK ..... 1-1/2"-22 GA. (TYPE B BY VULCRAFT OR EQUAL)
6. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

### LIGHT GAGE STEEL FRAMING NOTES:

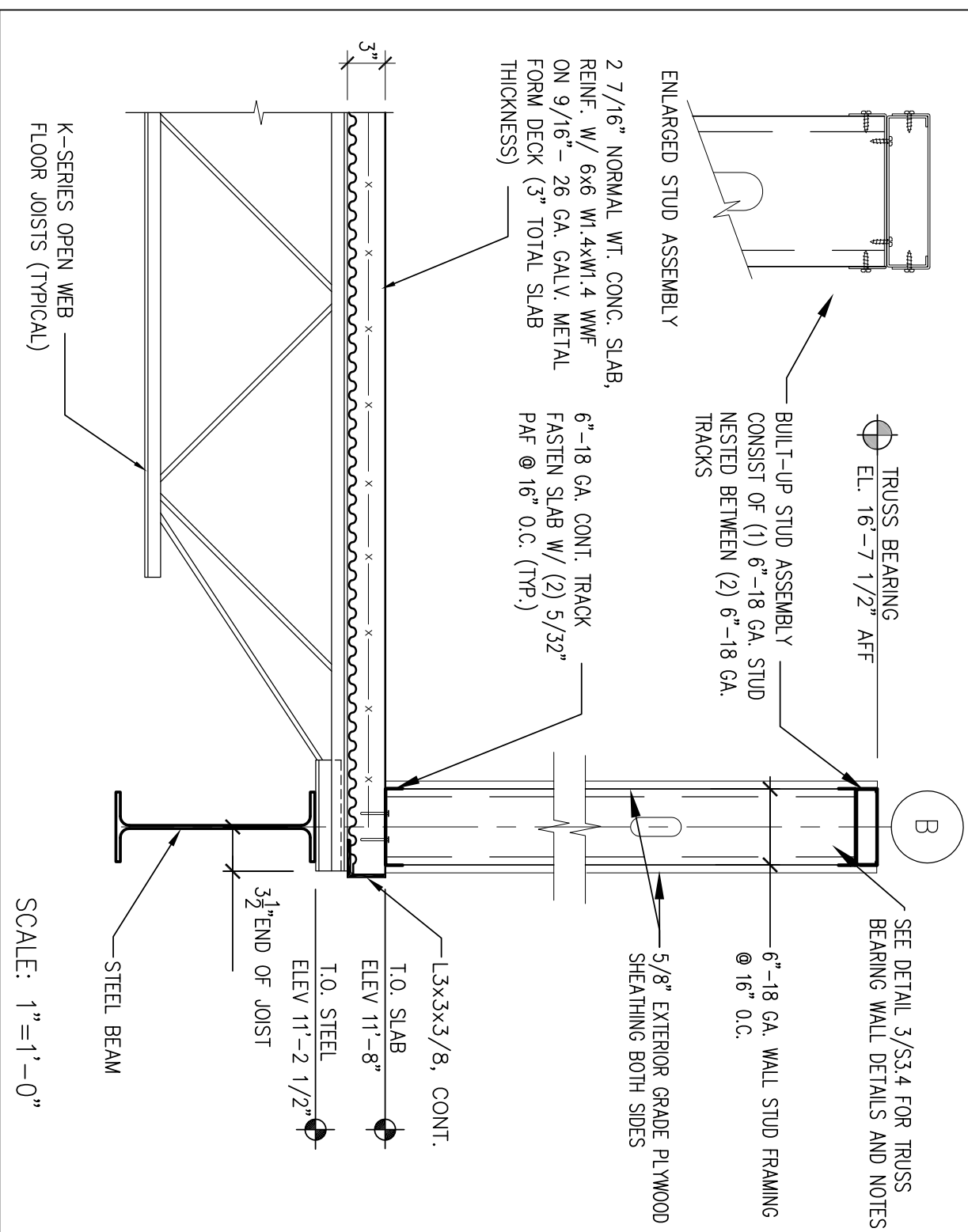
1. ALL DESIGN, DETAILING, FABRICATION, AND ERECTION OF LIGHT GAGE FRAMING SHALL BE IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE "SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION, AND THE MANUFACTURER'S DETAILS AND SPECIFICATIONS.
2. STUD/JOIST DESIGNATIONS REFER TO HARRISON/WARE INDUSTRIES, INC. FOR THE MINIMUM DESIGN PROPERTIES.
3. STEEL STUDS AT EXTERIOR WALLS SHALL BE 6" X 18 GA. TYPE SW SPACED @ 16" O.C. UNLESS NOTED.
4. HEADERS OVER EXTERIOR WALL OPENINGS 14 FEET OR LESS SHALL BE A MINIMUM OF (2) 6" X 18 GA. STEEL STUDS W/ 6" X 18 GA. STEEL TRACK AT TOP AND BOTTOM. SEE DETAIL 4/5/33.
5. ALL LIGHT GAGE FRAMING SHALL BE GALVANIZED AND SHALL CONFORM TO ASTM A663 GRADE 50 WITH A MINIMUM YIELD STRESS OF 50,000 PSI. FOR 16 GA. AND THICKER OR ASTM A663 GRADE 33 WITH A MINIMUM YIELD STRESS OF 33,000 PSI FOR 18 GA. AND THINNER.
6. PROVIDE STUD WALL BRACING PER MANUFACTURER'S REQUIREMENTS. MINIMUM 4'-0" O.C. WHERE THERE IS NO SHEATHING.

### MEZZANINE FRAMING PLAN NOTES:

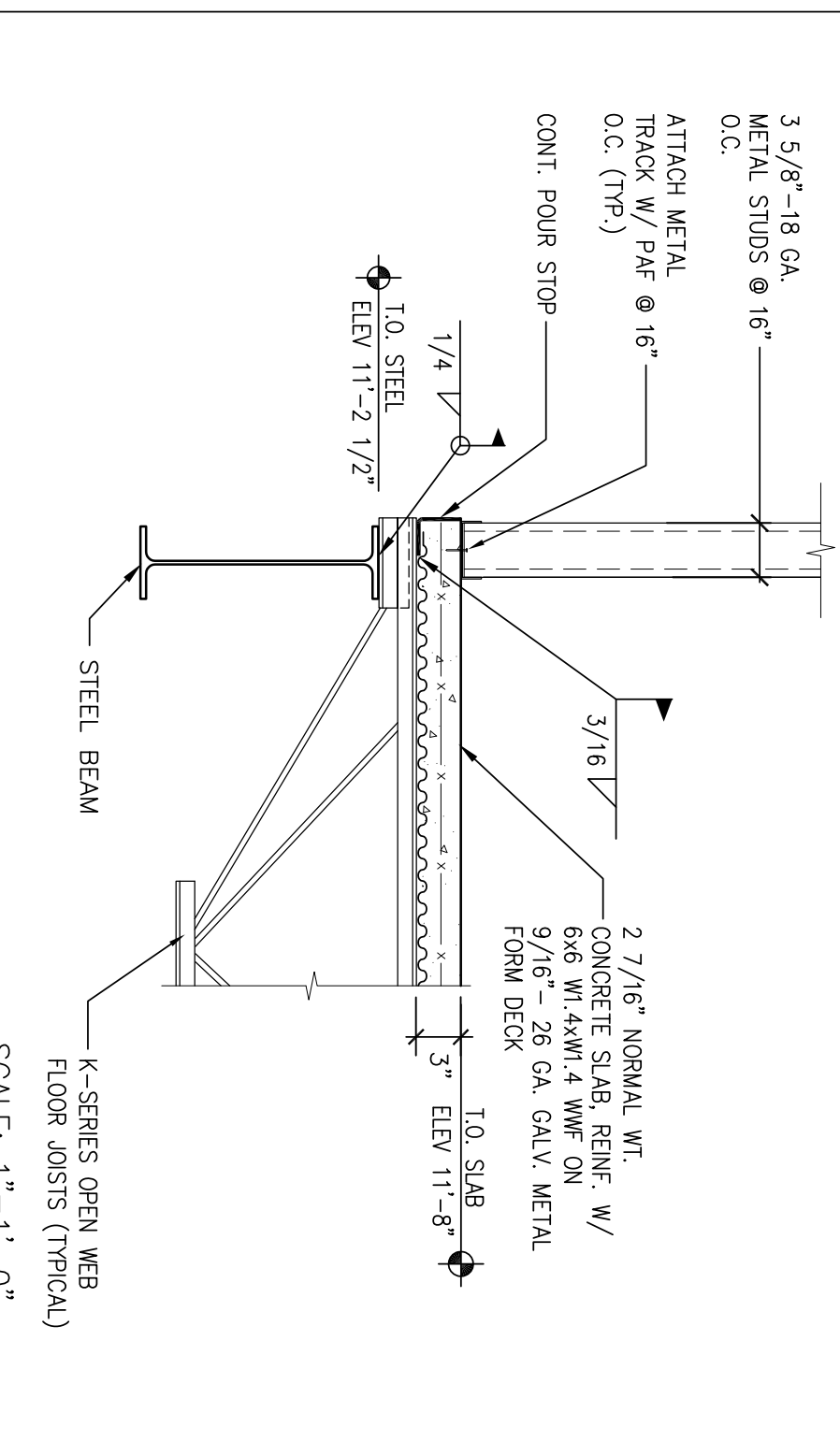
- 1) TOP OF STEEL BEAMS IS AT ELEV. = 11'-2 1/2" A.F.F. (TYP.) UNLESS NOTED THUSLY (LXXX) ON FRAMING PLAN.
- 2) T1 - INDICATES THE JOIST FRAMING, REFER TO TYPICAL FRAMING DETAILS.
- 3) ALL JOISTS TO BE EQUALLY SPACED BETWEEN COLUMN OR BEAMS AS SHOWN.
- 4) DESIGN LOADS : BLDG IS DESIGNED USING THE MAINE STATE BUILDING CODE (PORTLAND, ME): 2003 INTERNATIONAL BUILDING CODE  
FLOOR DEAD LOAD ..... 50 PSF  
FLOOR LIVE LOAD ..... 125 PSF



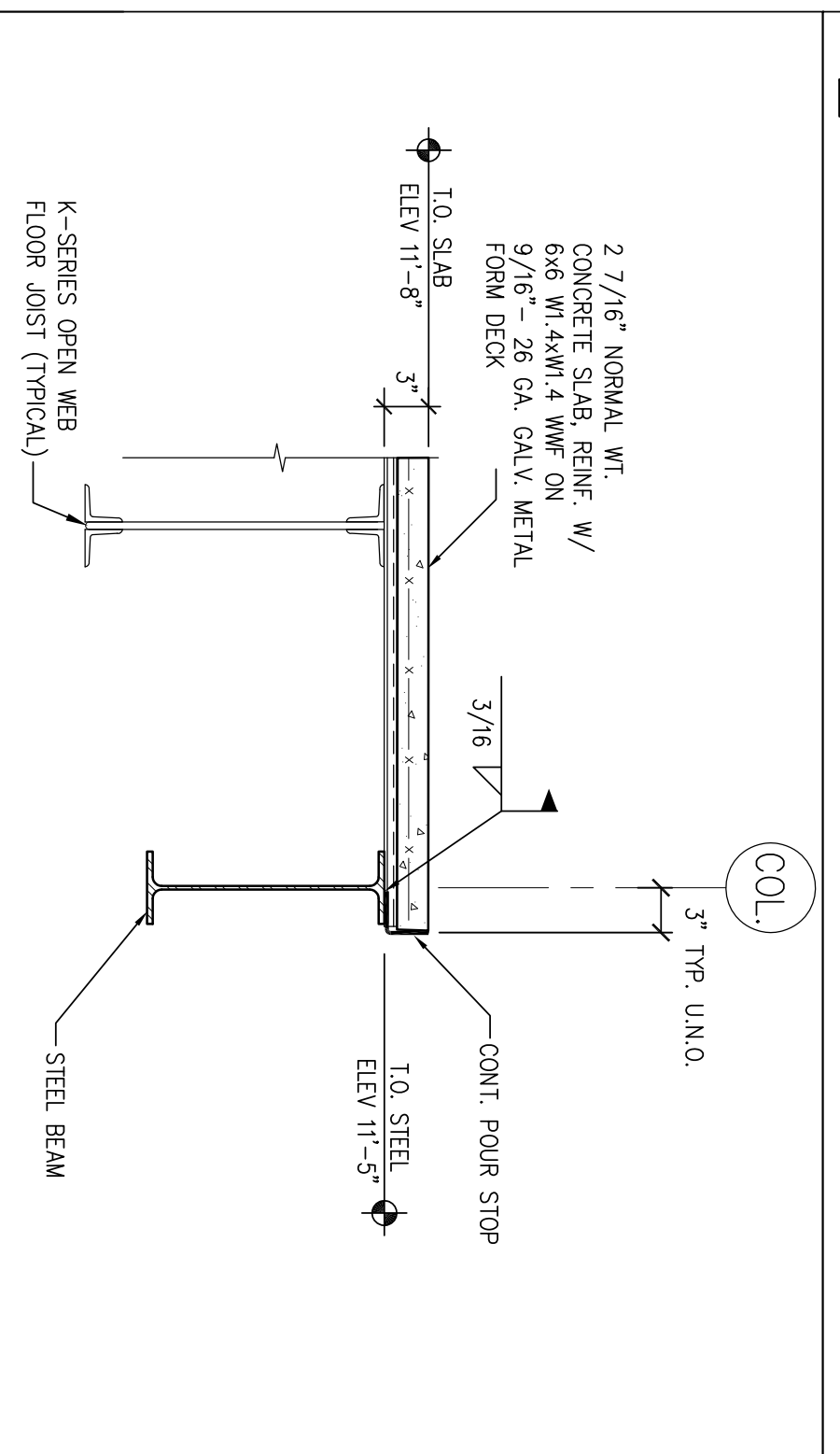
**MEZZANINE FRAMING PLAN**  
SCALE: 1/8" = 1'-0"  
PROJECT NORTH



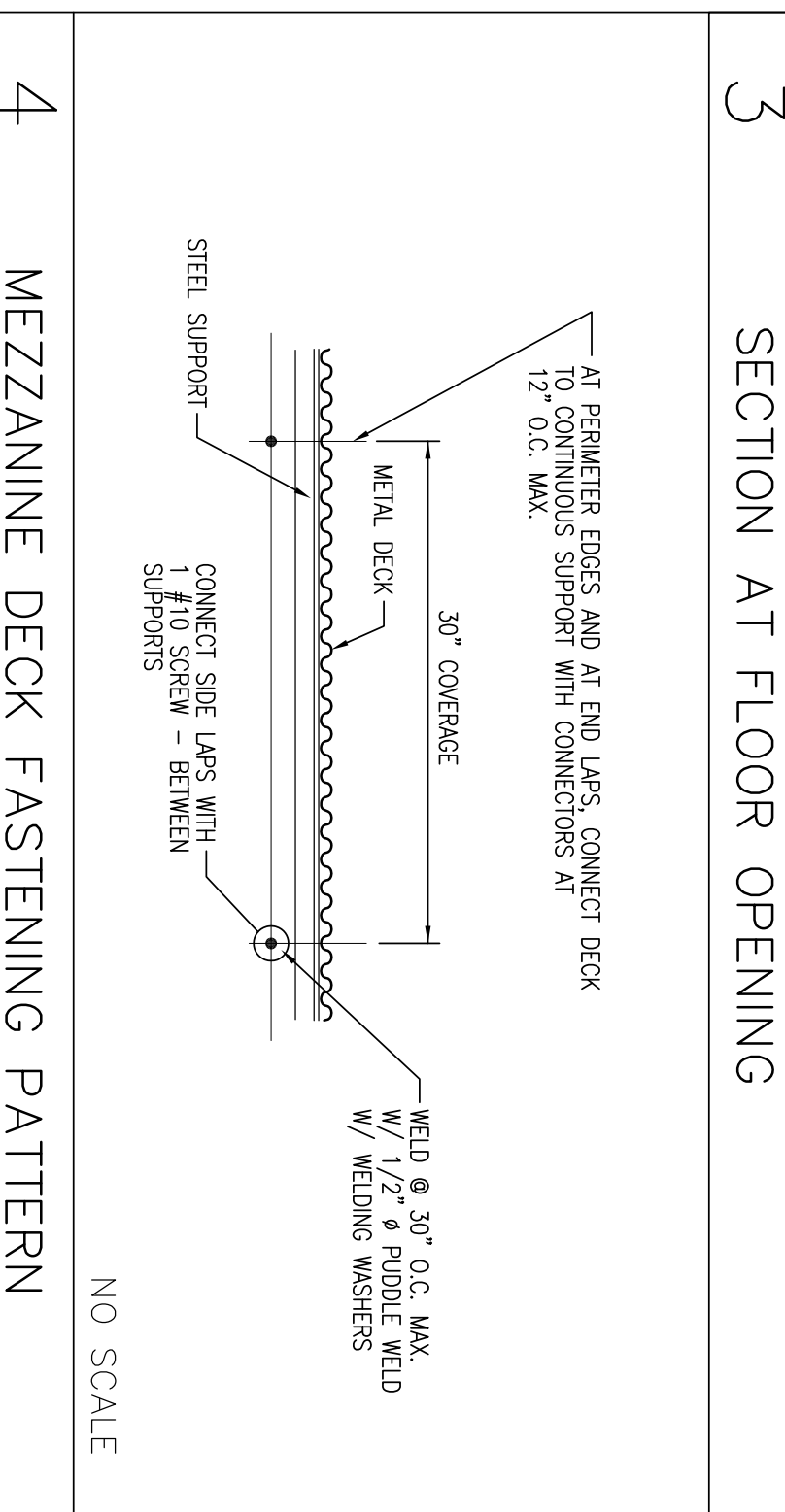
**SECTION AT EDGE OF MEZZANINE**  
SCALE: 1" = 1'-0"



**SECTION AT FLOOR OPENING**  
SCALE: 1" = 1'-0"



**SECTION AT FLOOR OPENING**  
SCALE: 1" = 1'-0"



**MEZZANINE DECK FASTENING PATTERN**  
NO SCALE

**DEVELOPER:**  
A & D REALTY, LLC  
5 MILITIA DRIVE  
LEWINGTON, MA 02421

**REVISIONS:**

**CHECKED BY:** TG  
**ENGINEERED BY:** MVC  
**DRAWING BY:** AG

**DATE:** 08/31/2009  
**JOB NUMBER:** 209017

**TITLE:**  
MEZZANINE FRAMING PLAN  
& SECTIONS

**SHEET NUMBER:**  
S-1.2

**COMMENTS:**  
ISSUED FOR CONSTRUCTION

**pharmacy**  
**cvs/**

**NEW**  
**STORE NUMBER: 329**  
NORTHGATE PLAZA  
91 AUBURN STREET  
PORTLAND, MAINE

**SEAL:**

**CONSULTANT:**

**BKA Architects, Inc.**  
Architecture + Interiors  
142 Crescent Street  
Brockton, MA 02302

**tel : 508.583.5603**  
**fax : 508.584.2914**  
**e-mail : bka@bkaarch.com**