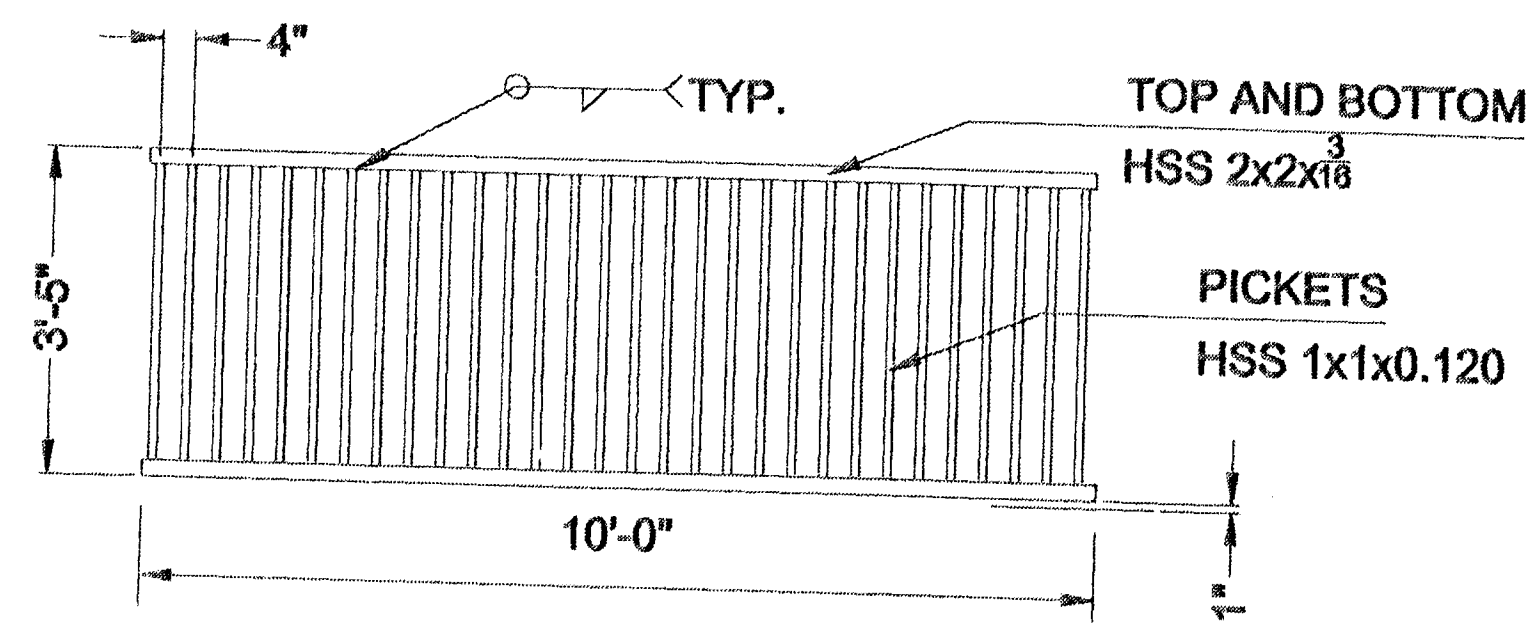


**TYPICAL SECTION**

SCALE: 1/2"=1'-0"



**FENCE PANEL DETAIL**

SCALE: 1/2"=1'-0"

**GENERAL NOTES:**

**DESIGN SPECIFICATIONS:**

AASHTO GUIDE SPECIFICATIONS FOR DESIGN OF PEDESTRIAN BRIDGES, 1997  
INTERNATIONAL BUILDING CODE, 2006

ASCE 7-05, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.  
AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ACI 318-05

**DESIGN LOADING**

DEAD LOAD: TRUSS MEMBERS, CONCRETE DECK, STEEL DECK FORM (5 PSF), AND MISCELLANEOUS 20 PLF PER TRUSS.

LIVE LOADING OF 85 PSF FOR PEDESTRIAN LOADING ON FLOOR AND REDUCED PEDESTRIAN LOADING FOR BRIDGES IN EXCESS OF 400 SQUARE FEET.

**WIND LOADING:**

BASIC WIND SPEED (3-SECOND GUST): 90MPH  
WIND IMPORTANCE FACTOR: I= 1.00  
INTERNAL PRESSURE COEFFICIENT, GC<sub>pi</sub>=0.00 FOR OPEN STRUCTURES

**SEISMIC LOADING:**

SEISMIC IMPORTANCE FACTOR: I=1.0  
MAPPED SPECTRAL RESPONSE ACCELERATIONS:  
S<sub>s</sub>=0.379  
S<sub>1</sub>=0.119

**SITE CLASS D**

**SPECTRAL RESPONSE COEFFICIENTS**

SDS=0.562  
SD1=0.273

RESPONSE MODIFICATION FACTOR: R=2.5

SEISMIC RESPONSE COEFFICIENT: C<sub>s</sub>=0.192

WIND LOADING OF 35 PSF APPLIED TO FULL VERTICAL PROJECTED AREA OF TRUSS AND DECK.

**EARTH PRESSURE:**

ACTIVATED HORIZONTAL LOAD IN ACCORDANCE WITH MONOBE-OKABE METHOD

**CONCRETE AND STEEL REINFORCEMENT:**

CONCRETE..... F'c=4500 PSI@28 DAYS

STEEL..... FY=60,000 PSI

ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60

ALL REINFORCING SHALL HAVE 2 INCHES OF CLEAR COVER ON VERTICAL FACES AND 3 INCHES OF CLEAR COVER ON HORIZONTAL FACES CAST AGAINST SOIL.

ABUTMENTS DESIGNED ACCORDING TO THE RECOMMENDATIONS OF "GEOTECHNICAL EXPLORATION REPORT SANDHILL TRAILHEAD/PARK" PREPARED BY OWENS GEOTECHNICAL, INC.

**STRUCTURAL STEEL**

ALL HOLLOW STRUCTURAL STEEL SHAPES SHALL CONFORM TO ASTM A500, GRADE C (FY=50 KSI) AND MUST HAVE A MINIMUM THICKNESS OF 1/4"

ALL STEEL PLATES SHALL CONFORM TO ASTM A572, GRADE 50.

ANCHOR BOLTS SHALL CONFORM TO ASTM A325 OR A490 HIGH STRENGTH.

ALL WELDING SHALL CONFORM TO THE LATEST ANSI/AASHTO/AWS BRIDGE WELDING CODE D1.5.

**ELASTOMERIC BEARING PADS:**

ELASTOMERIC PADS SHALL BE STEEL LAMINATED NEOPRENE PADS WITH BONDED PTFE SLIDING SURFACE.

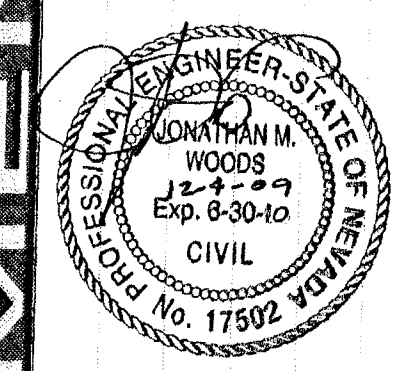
DESIGNED BY AASHTO SECTION 14.7.6, METHOD A

SHEAR MODULUS G=130 PSI

60 DUROMETER HARDNESS



SANDHILL OWENS PARK & TRAILHEAD  
LAS VEGAS, NEVADA  
GENERAL NOTES AND TYPICAL SECTION



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PROJECT NO. GE PROJECT#  
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