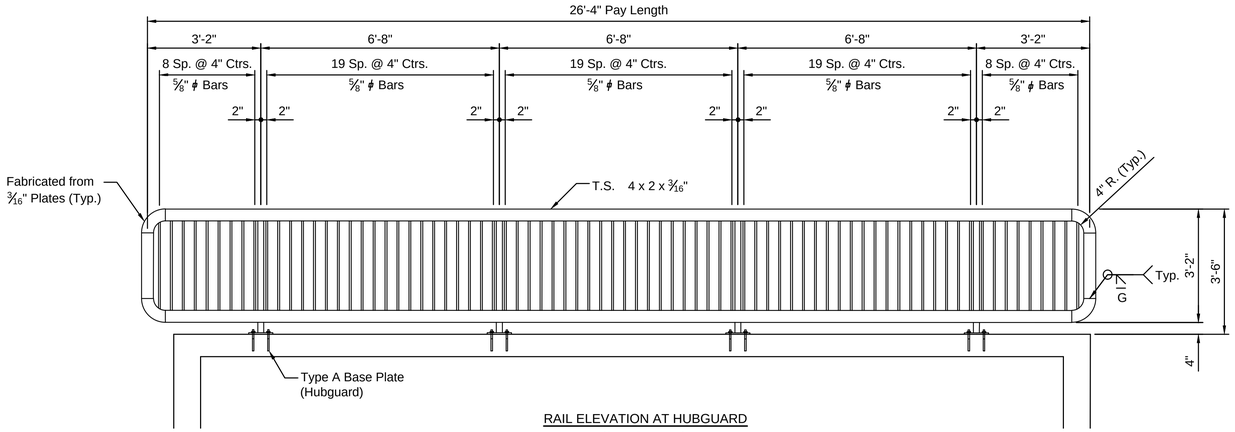
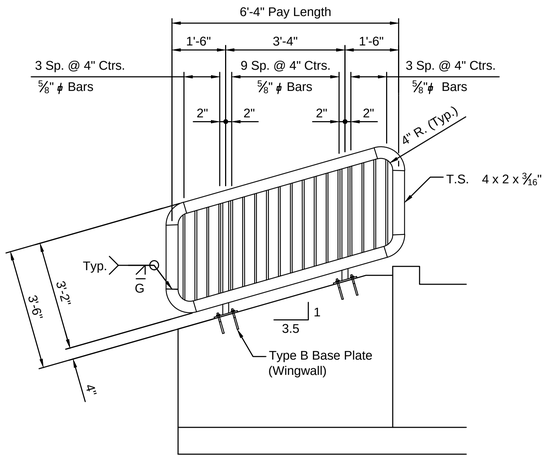
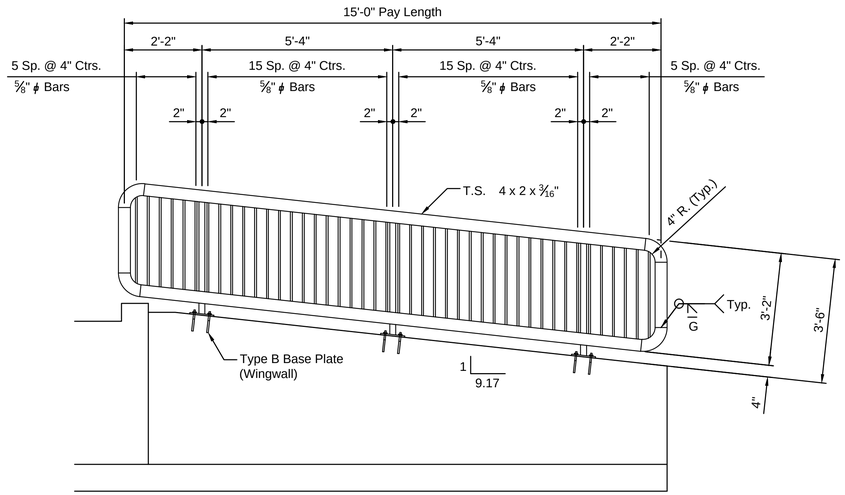


RAIL ELEVATION AT HUBGUARD
(2 REQUIRED)



RAIL ELEVATION AT SHORT WING
(1 REQUIRED)



RAIL ELEVATION AT LONG WING
(1 REQUIRED)

BILL OF MATERIALS	
HANDRAIL (STEEL) (PEDESTRIAN)	74.0 L.F.

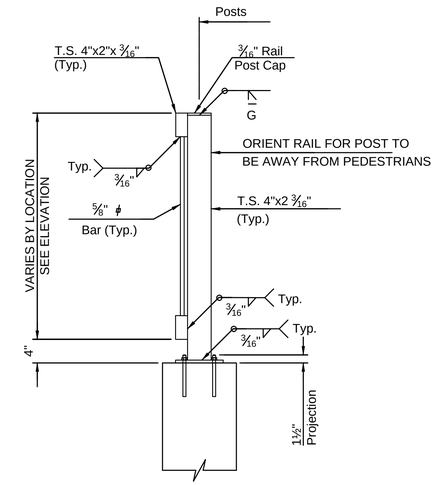
GENERAL NOTES

THE HORIZONTAL MEMBERS OF THE RAIL AND POSTS SHALL BE HOLLOW STRUCTURAL TUBING. ALL STRUCTURAL STEEL TUBING SHALL COMPLY TO A.S.T.M. DESIGNATION A36 OR A500 GRADE B RESPECTIVELY. RAIL SHALL BE FABRICATED IN LENGTHS AS SHOWN FROM JOINT TO JOINT AND JOINT TO END.

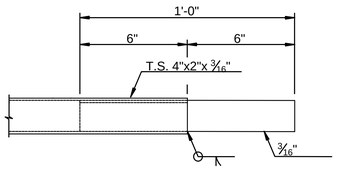
POST AND BARS SHALL BET SET VERTICAL AND SHIMMED IF REQUIRED. PRIOR TO PAINTING ABRASIVE BLAST TO COMMERCIAL FINISH SSPC-SP6 TO OBTAIN A SURFACE PROFILE OF 1-1/2 MILS. THE SHOP AND FIELD COATS APPLIED TO STRUCTURAL STEEL SHALL CONFORM TO AN INORGANIC ZINC PRIMER WITH WATER-BORNE ACRYLIC FINISH COAT. (THE FINISH COAT SHALL MATCH CARBOLINE #C900, EBONY BLACK). PROVIDE A COLOR SAMPLE TO THE ENGINEER WITH SHOP DRAWING SUBMITTAL.

MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE STRUCTURAL WELDING CODE A.W.S. D1.1-01.

SHOP DETAILS MUST BE SUBMITTED AND APPROVED BY THE ENGINEER.



TYPICAL POST
Center Posts on Hubguard or Wingwall



PLAN

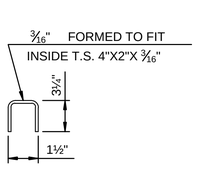
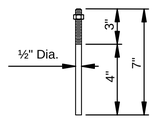


PLATE SECTION

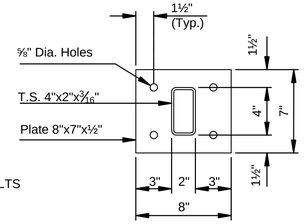
SLIDING JOINT DETAIL
NOTE : SLIDING JOINTS, WHEN REQUIRED, ON INTERIOR PANELS SHALL BE CENTERED 2'-0" FROM POSTS.



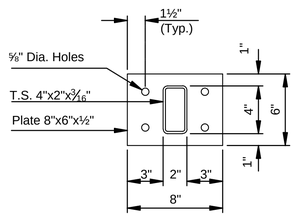
Galvanized (ASTM A153)

(MAY SUBSTITUTE EXPANDABLE ANCHOR BOLTS WHEN APPROVED BY THE ENGINEER)

ANCHOR BOLT



TYPE A BASE PLATE
(8 Required)



TYPE B BASE PLATE
(5 Required)

PEC
PROFESSIONAL ENGINEERING CONSULTANTS
303 SOUTH TOPEKA
WICHITA, KS 67202
316-262-2691 www.pec1.com

CITY OF WICHITA

LUKE PETER KENSER
27413
10/11/2024
KANSAS
PROFESSIONAL ENGINEER

WEST STREET IMPROVEMENTS FROM MACARTHUR ROAD TO 47TH ST. SOUTH

CITY OF WICHITA

Issue:		

JOB NO.	210254-001
DATE	OCTOBER 2024
PM	TPA
DESIGNED BY	LGP
DRAWN BY	CP
CHECKED BY	KMS

BRIDGE HANDRAIL DETAILS

CB102
91 OF 206

SAVED 10/8/2024 7:49:14 AM BY LUKE.PETER
PLOTTED 10/10/2024 1:49:27 PM BY LUKE PETER
U:\WICHITA-CIVIL\2021\210254\001\PEC\DRAWINGS\210254-001-CB101.DWG