


PEDESTRIAN RAILING NOTES:

1. RAILING REQUIRED FOR DROP OFF 2'-6" OR GREATER, OR FOR SLOPES GREATER THAN 2:1 WITH MORE THAN A 2'-6" DROP OFF AT BACK OF SIDEWALK.
2. THICKENED EDGE REQUIRED FOR DROP OFF BETWEEN 8" AND 2'-6" MAX.
3. WALL DESIGN REQUIRED FOR DROP OFF GREATER THAN 2'-6".
4. TOP/BOTTOM RAIL AND POST SHALL BE MINIMUM 2" STD./ANSI SCHEDULE 40 PIPE SIZE; BALUSTER SHALL BE MINIMUM 1/2" STD./ANSI SCHEDULE 40 PIPE SIZE.
5. RAILING SHALL BE SCHEDULE 40 GALVANIZED STEEL, STANDARD PIPE SIZE.
6. RAILING AND CONCRETE CONNECTIONS SHALL BE DESIGNED TO MEET THE CURRENT IBC SECTIONS 1015-GUARDS AND 1607-LIVE-LOAD REQUIREMENTS.
7. WELDING SHALL BE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 6-03.3(25).
8. RAILS, POSTS, BALUSTERS AND FORMED ELBOWS SHALL BE PER ASTM A53. BRACKETS, END CAPS AND OTHER FITTINGS SHALL BE ASTM A865. SPLICES AND REPAIRS SHALL BE GALVANIZED PER ASTM A780.
9. ANCHOR BOLT SIZE (MINIMUM 5/8" DIAMETER), SPACING AND EMBEDMENT SHALL BE PER THE REQUIREMENTS OF THE RAILING MANUFACTURER. DRILLED IN PLACE ANCHORS SHALL BE PROVIDED BY HILTI OR APPROVED EQUIVALENT, SS TYPE 304. ANCHORS SHALL BE DRILLED AND ATTACHED PER THE ANCHOR BOLT SUPPLIERS RECOMMENDATIONS, INCLUDING MEETING ANY MINIMUM MEASURED TORQUE REQUIREMENTS. ANCHOR DESIGN INCLUDING THE RAIL BASE PLATE, SHALL TAKE INTO ACCOUNT THE DISTANCE BETWEEN BOLTS IN THE BASE PLATE, THEIR EMBEDMENT DEPTH IN THE CURED CONCRETE AND EDGE DISTANCE TO ATTAIN THE MINIMUM BOLT LOAD. IBC 1704 CERTIFIED SPECIAL INSPECTION REQUIREMENTS ARE TO BE MET. SUBMIT INSPECTION PERSONNEL CERTIFICATIONS AND A SIGNED REPORT UPON COMPLETION.
10. RAILING DESIGN SHALL ALLOW FOR EXPANSION AT EVERY 4TH POST.
11. ENGINEERED SHOP DRAWINGS FOR RAILING SYSTEM AND CONNECTION DETAILS SHALL BE SUBMITTED FOR APPROVAL. DRAWINGS SHALL BE COMPLETE WITH DIMENSIONS, DETAILS, MATERIAL SPECIFICATIONS AND FIELD ERECTION DIAGRAMS OR NOTES.
12. PIPE RAILING AND RAIL SPLICES MAY BE HEATED TO NOT MORE THAN 400° F FOR A PERIOD NOT TO EXCEED 30 MINUTES TO FACILITATE FORMING OR BENDING.
13. MATERIAL CUTS SHALL BE DONE BY SAWING OR MILLING AND ALL CUTS SHALL BE FINISHED TRUE AND SMOOTH. FLAME CUTTING IS NOT PERMITTED.
14. RAILING, BALUSTERS AND RAIL SPLICES SHALL BE PROTECTED AND ADEQUATELY WRAPPED DURING HANDLING AND DELIVERY TO THE SITE. DAMAGED OR DENTED RAIL MEMBERS WILL BE REJECTED AND SHALL BE REPLACED BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE.

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION IS KEPT ON FILE AT THE CITY OF KENT. A COPY MAY BE OBTAINED UPON REQUEST.



		<b>CITY OF KENT</b> <b>ENGINEERING DEPARTMENT</b>	
		<b>PEDESTRIAN RAILING</b> <b>NOTES</b> <b>SHEET 2 OF 3</b>	
DESIGNED <u>COK</u>	SCALE <u>NONE</u>	STANDARD PLAN	
DRAWN <u>COK</u>	DATE <u>12/2019</u>	<b>6-41b</b>	
CHECKED <u>COK</u>	ENGINEER		
APPROVED			