

## **CONSTRUCTION STANDARDS**

Note: The buildings on the UCCS campus are divided into two categories: General Fund and Auxiliaries. General Fund Buildings include academic and administrative functions. Auxiliary buildings include residence halls, athletic, and dining facilities. In some cases, construction standards differ depending on the building category. Confirm building category with Facilities Services Project Manager.

### **DIVISION FIVE: METALS**

#### **1. Site Railings**

- a. Schedule 40 pipe
- b. 1 ½" dia. handrails
- c. 2" posts & rails
- d. 1/4" solid bar pickets @ 4" O.C.
- e. Rails to be galvanized
- f. Grind welds smooth
- g. Powder coat finish – RAL 6009 (dark green)
- h. Installation at concrete: weld to embed plate in concrete; no core drilling allowed as this causes slabs to crack.
- i. No railings with integrated lighting systems
- j. See campus standard design below

#### **2. Exterior Handrails**

- a. Construction and installation per Site Railings above
- b. 1 ½" dia. posts and railings
- c. Powder coated finish required.
- d. See campus standard design below

#### **3. Unlit Bollards**

- a. 6" dia.x1/4" galvanized pipe
- b. Fill with concrete, dome concrete on top to drain
- c. Powder coated paint to match building standard and install two bands reflective tape on bollard – coordinate finish with UCCS Project Manager

#### **4. Skate Stops**

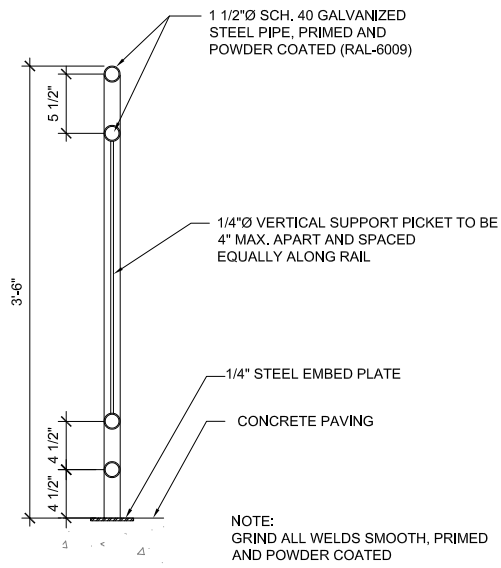
- a. Skatestoppers 'G' series stainless steel
- b. Spacing: 4'-0" minimum O.C.
- c. Use cast-in place model when installed in concrete.

#### **5. Interior Handrails and Guardrails**

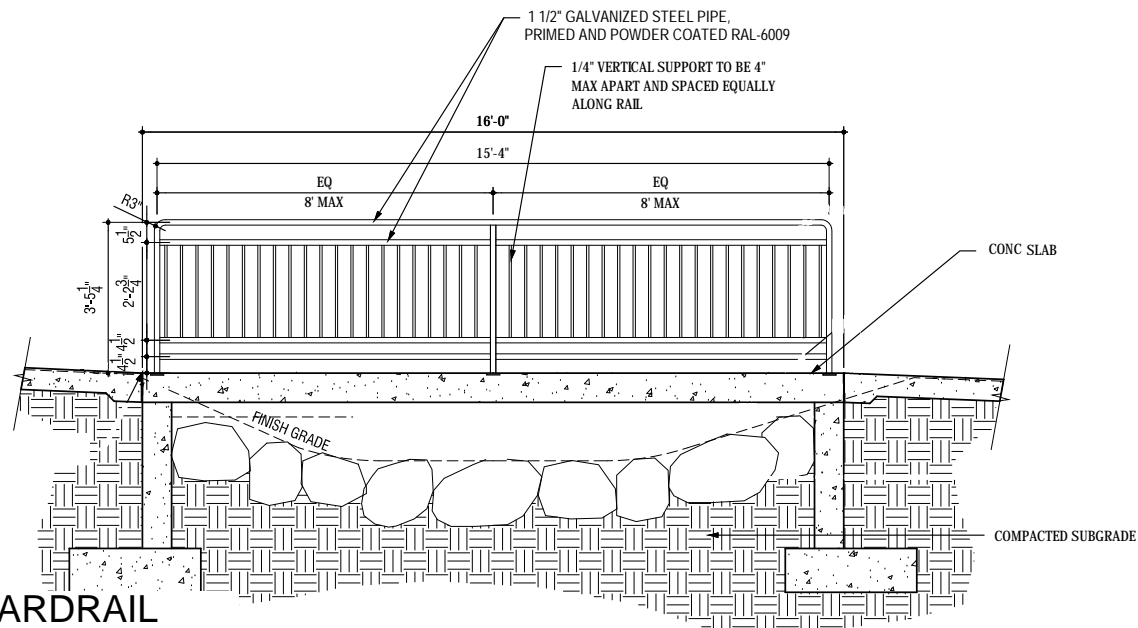
- a. Interior stairs for public use are to be designed to encourage use. Stair designs including finishes, daylighting, and lighting should be upgraded to match the general qualities in the building.
- b. Handrails must be durable. Painted metal handrails are **not permitted** unless they are powder coated. Other materials such as brushed aluminum or stained hardwood should be considered.

**6. Campus-standard designs below**

# UCCS Campus Standard Guardrail



**A** GUARDRAIL  
NTS



**B** GUARDRAIL  
NTS



## UCCS Campus Standard Handrail

