# Campus Design Standards

## Division 4 – Masonry

![University of San Diego]

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<tr>
<th>Department</th>
<th>Name</th>
<th>Signature</th>
<th>Date</th>
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<tbody>
<tr>
<td>PDC Manager</td>
<td>Tim Doudna</td>
<td></td>
<td>2/12/19</td>
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<tr>
<td>PDC Director</td>
<td>Zack Knipe</td>
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<td>Facilities AVP</td>
<td>TBD</td>
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<tr>
<td>Operations VP</td>
<td>Ky Snyder</td>
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<td>2/13/19</td>
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<tr>
<td>University Design</td>
<td>Mary Whelan</td>
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04000 – Masonry

Introduction

The architect should specify durable finishes; research requirements for fire ratings and provide listed assemblies where needed. Where fire resistance ratings are required for masonry units, provide material and construction that are appropriate for the assembly.

Contacts

1. The Project Manager (Planning, Design and Construction)

Index of References

1. USD Master Plan Design Guidelines

Code/ Sustainability References

1. California Building Code
2. LEED Silver (Pursuit of certification on a project by project basis)
3. Building Energy Efficiency Standards
4. California Fire Code
5. ANSI
6. NFPA
7. ASTM
8. ACI
9. PCA

04050 Basic Masonry Materials and Methods

This is project specific. Please see Reference Photos at the end of this section for examples.

04400 Stone

1. Finish: Medium Sandblast
   a. Type I (Field):
      i. Manufacturer: RCP Split Faced Block “Padre”
   b. Type II (Accent):
      i. Manufacturer: RCP Precision Block “Padre”
2. Exterior Stone Veneer
   a. Exterior Stone: Adoquin
      i. Color: Café 2
      ii. Distributor: Materials Marketing (626) 584-6172
      iii. Composition: Volcanic Stone
      iv. Thickness: 1-inch
   b. Waterproofing for Thin-Set Stone Veneer Installation
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1. Fabric - Reinforced, Fluid Applied Product; Liquid-latex rubber and fabric reinforcement
2. Products: Laticrete International, 9235 Waterproof Membrane

04500 Cleaning Methods/Protection

This standard is Project Specific.

04600 Corrosion Resistant Masonry

This standard is Project Specific.

04700 Simulated Masonry

This standard is Project Specific.

04800 Masonry Assemblies

1. Mortar Pigments
   a. Products:
      i. Bayer Corporation, Industrial Chemicals Division; Bayferrox Iron Oxide Pigments
      ii. Davis Colors; True Tone Mortar Colors
      iii. Solomon Grind – Chem Services, Inc. SGS Mortar Colors
   2. Colored Cement Products:
      a. Colored Portland Cement-Lime Mix
         i. Capital Materials Corporation; Riverton Portland Cement Lime Custom Color
         ii. Holcim (US) Inc.; Rainbow Mortamix Custom Color Cement/ Lime
         iii. Lafarge North America Inc.; Eaglebond
         iv. Lehigh Cement Company; Lehigh Custom Color Portland/ Lime Cement
      b. Colored Masonry Cement
         i. Capital Materials Corporation; Flamingo Color masonry Cement
         ii. Essroc, Italcementi Group; Brixment-in-color
         iii. Holcim (US) Inc.; Rainbow Mortamix Custom Color Masonry Cement
         iv. Larfarge North America Inc.; Florida Custom Color Masonry or Magnolia Masonry Cement
         v. Lehigh Cement Company; Lehigh Custom Color Masonry Cement
         vi. National Cement Company, Inc.; Coosa Masonry Cement
      c. Colored Mortar Cement
         i. Lafarge North America Inc.; Magnolia Superbond Mortar Cement

Requirements for As-built Drawings

Prior to the completion of construction and occupancy, the subcontractor is required to provide the Project Manager a detailed schedule of materials used in each area of the project, including the manufacturer, supplier, color name and number, pattern and size applied. An electronic version of the
final finish schedule is to be provided as part of the “as-built” documentation for the project. See Appendix 1.2 for Documentation and Archiving.

Reference Photos

Trash Enclosure

Keystone Retaining Wall

Keystone Wall
Valley Field Seat / Retaining Wall

END OF DOCUMENT