## Campus Design Standards

### Division 3 – Concrete

![University of San Diego Campus](image)

<table>
<thead>
<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>[Signature]</td>
<td>2/12/19</td>
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<tr>
<td>PDC Director</td>
<td>Zack Knipe</td>
<td>[Signature]</td>
<td>2/12/19</td>
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<td>Facilities AVP</td>
<td>TBD</td>
<td>[Signature]</td>
<td>2/12/19</td>
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<tr>
<td>Operations VP</td>
<td>Ky Snyder</td>
<td>[Signature]</td>
<td>2/13/19</td>
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<tr>
<td>Grounds Manager</td>
<td>Charlie Thomas</td>
<td>[Signature]</td>
<td>2/12/19</td>
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<tr>
<td>Building Maint.</td>
<td>Robert Brauer</td>
<td>[Signature]</td>
<td>2/12/19</td>
</tr>
<tr>
<td>University Design</td>
<td>Mary Whelan</td>
<td>[Signature]</td>
<td>2/12/2019</td>
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</tbody>
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03000 – Concrete

Introduction

This is a general section referencing all concrete product used across campus. Other design sections will get into the specifics of installation. Structural concrete will be project specific. We have included photos of various installations for reference.

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. ADA
7. ASTM
8. NFPA

03300 Cast-in-Place Concrete

1. Stairs
2. Benches

3. Mow curbs
03400 Precast Concrete

1. Precast Concrete
   a. Bollards

   ![Bollards Image]

b. Finials

   ![Finials Image]
c. Window and Door Surrounds
d. Building Entrances

e. Wall Caps
e. Friezes

f. Parapets

h. Balconies
i. Columns

j. Arcades
2. Plant Cast Manufacturers
   a. Lite Stone
      1. Location: El Cajon, CA
         Phone: (619) 596-9151
      2. Profile: tbd
      3. Color: Match USD standard
   b. Moonlight Moldings - Specialty moldings
      1. Location: 14920 S. San Pedro Street Gardena, CA 90248
         Phone: (310) 538-9142
      2. Profile: tbd
      3. Color: Match USD standard
   c. Formglas (for interior use only)
      1. Location: 2 Champagne Dr. Toronto, Ontario, Canada M3J-2C5
         Phone: (416) 635-8030
      2. Profile: "Quarycast" Interior Molded Stone
3. Cast Stone/Glass Fiber Reinforced Concrete
   a. GFRC Manufacturers
      1. Concrete Designs Inc.
         a. Location: 3650 S. Broadmont Drive Tucson, AZ
            Phone: 1-800-279-2278
         b. Profile: tbd
         c. Color: Match USD Standard
      2. Moonlight Moldings
         a. Location: 14920 S. San Pedro Street Gardena, CA 90248
            Phone: (310) 538-9142
         b. Profile: tbd
         c. Color: Match USD Standard
      3. House of Stone
         a. Location: 200 Inyo Street Bakersfield, CA 93305
03600 Grouts

1. Specific Color - Project specific

![Grout Examples](image1.jpg)

UC Restrooms  Colachis Plaza

2. Specific Manufacturer - Project specific

03900 Concrete Restoration and Cleaning

2. Coating/Overlay - Project specific.
3. Penetrating Sealer - Project specific.

Requirements for As-built Drawings

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

Examples of Enhanced Paving
A. Fowler Park

![Paving Example](image2.jpg)
B. Guadalupe Hall

Red Pea Gravel

Grey Salted Concrete

C. Jenny Craig Pavilion

Stamped Concrete

Exposed Aggregate

E. Kroc Institute for Peace and Justice

Glass Seeded Concrete
F. Mission Parking Structure

Heavy Textured Concrete

Detail, Heavy Textured Concrete

Note: This textured concrete is present in all USD parking structures.

G. Olin Hall

Salted Concrete

Detail, Salted Concrete

H. School of Leadership and Education Sciences

Exposed Aggregate

Detail, Exposed Aggregate

I. Betsy School of Nursing
Miscellaneous colors and textures

Stamped Concrete

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