Office of Contract Management and Vendor Services  
Rio Hondo Community College  
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Bid # 2045 - Bookstore and Print Shop Renovation Project  
DSA #03-116477

Addendum # 2  
April 19, 2016

To: All Prospective Bidders

THE FOLLOWING REVISIONS AND/OR CLARIFICATIONS SHALL BE MADE TO THE BIDDING REQUIREMENTS AND CONTRACT DOCUMENTS. REVISE AND AMEND THE DOCUMENTS FOR THE ABOVE NAMED PROJECT IN ACCORDANCE WITH THIS ADDENDUM. THE BID SHALL REFLECT THESE ADDENDUM CHANGES AND EACH BIDDER SHALL MAKE REFERENCE IN THEIR BID TO THIS ADDENDUM. ALL BIDDING REQUIREMENTS AND CONTRACT DOCUMENTS SHALL APPLY TO THIS ADDENDUM AS ORIGINALLY INDICATED IN THE APPLICABLE PORTIONS OF THE CONTRACT DOCUMENTS, UNLESS OTHERWISE MODIFIED BY THIS ADDENDUM.

Acknowledge receipt of this Addendum in the space provided on Document 00210 – Bid Proposal. Failure to do so may result in the bid being deemed non-responsive.

The Addendum consists of the following changes:

1. ADMINISTRATIVE ITEMS:
   1.1 THE BID OPENING IS POSTPONED from Thursday, April 21, 2016 at 10:00am to, Monday, April 25, 2016 at 11:00am.
   1.2 Owner is currently replacing thermostats with DDC devices. Coordinate relocation of devices with Owner as new thermostats are placed per plans.

2. SPECIFICATIONS:
   2.1 Table of Contents Section 00 01 10 is Revised and attached.
   2.2 Summary of Work Specification Section 01110 is Revised and attached.
   2.3 Cast-In-Place Concrete Specification Section 03300 is Revised and attached. There are no LEED requirements for this project.
2.4 Glazing Specification Section 08800. Remove all references to Redondo Union High School Library Modernization in Header. Replace with Rio Hondo College Bookstore and Print Shop Project Whittier, California.

2.5 Carpet Tile Specification Section 09682 is Added and attached. District Standard is Tandus Commercial Carpets.

2.6 Toilet Compartment and Screens Specification 10165 is Revised and attached.

3. DRAWINGS:

3.1. ARCHITECTURAL

3.1.1 Sheet SK-01 is included to reflect Revision to Carpet on Finish Schedule on Sheet A101.

3.1.2 Sheet SK-02 is included to reflect Revision to Note on Elevation 2 on Sheet A120.

4. BIDDERS QUESTIONS: None.

5. ENCLOSURES:

Enclosures:

- REVISED Specification Table of Contents (3 pages)
- REVISED Summary of Work Specification Section 01110 (3 pages)
- REVISED Cast-in-Place Concrete Specification Section 03300 (10 pages)
- ADDED Carpet Tile Specification Section 09682 (5 pages)
- REVISED Toilet Compartment and Screens Specification Section 10165 (5 pages)
- ADDED Sheet SK-1 (1 page)
- ADDED Sheet SK-2 (1 page)

END OF ADDENDUM # 2
TABLE OF CONTENTS

DIVISION 1 - GENERAL REQUIREMENTS

Section 01110 - Summary of Work
Section 01200 - Price and Payment Procedures
Section 01310 - Project Management and Coordination
Section 01323 - Construction Schedule - Network Analysis
Section 01330 - Submittal Procedures
Section 01351 - Alteration Project Procedures
Section 01423 - Reference Standards
Section 01450 - Quality Control
Section 01458 - Testing Laboratory Services
Section 01500 - Temporary Facilities and Controls
Section 01573 - Storm Water Pollution Prevention Plan
Section 01600 - Product Requirements
Section 01630 - Product Substitution Procedures
Section 01730 - Execution Requirements
Section 01770 - Closeout Procedures

DIVISION 2 - SITEWORK

Section 02222 - Minor Demolition for Remodeling

DIVISION 3 - CONCRETE

Section 03200 - Concrete Reinforcement
Section 03300 - Cast-In-Place Concrete

DIVISION 4 - MASONRY

Not Used

DIVISION 5 - METAL WORK

Not Used

DIVISION 6 - WOOD AND PLASTIC

Section 06412 - Laminate-Clad Wood Casework

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

Section 07213 - Batt Insulation
Section 07840 - Firestopping
Section 07900 - Joint Sealers

DIVISION 8 - DOORS AND WINDOWS

Section 08110 - Steel Doors and Frames
Section 08210 - Wood Doors
Section 08311 - Access Doors and Frames
Section 08710 - Door Hardware
Section 08800 - Glazing
<table>
<thead>
<tr>
<th>Section No. - Title</th>
<th>Date</th>
</tr>
</thead>
</table>

**DIVISION 9 – FINISHES**

Section 09111 - Metal Stud Framing System  
Section 09220 - Portland Cement Plaster  
Section 09260 - Gypsum Board Systems  
Section 09311 - Ceramic Tile Floor Finish  
Section 09312 - Ceramic Tile Wall Finish  
Section 09511 - Suspended Acoustical Ceilings  
Section 09650 - Resilient Flooring  
Section 09682 – Carpet Tile  
Section 09900 - Painting

**DIVISION 10 - SPECIALTIES**

Section 10171 - Phenolic Toilet Compartments  
Section 10210 - Wall Louvers  
Section 10400 - Identifying Devices  
Section 10520 - Fire Protection Specialties  
Section 10810 - Toilet Compartments and screens

**DIVISION 11 - EQUIPMENT**

Section 11051 – Book Theft Detection Equipment

**DIVISION 12 - FURNISHINGS**

Section 12494 - Roller Shades

**DIVISION 13 - SPECIAL CONSTRUCTION**

Not Used

**DIVISION 14 - CONVEYING SYSTEMS**

NOT USED

**DIVISION 22 - PLUMBING**

Section 220010 – Basic Plumbing Requirements  
Section 220517 – Sleeves and Sleeve Seals for Plumbing Piping  
Section 220518 – Escutcheons for Plumbing Piping  
Section 220523 – General Duty Valves for Plumbing Piping  
Section 220529 – Hangers and Supports for Plumbing Piping and Equipment  
Section 220553 – Identification for Plumbing Piping and Equipment  
Section 220719 – Plumbing Piping Insulation  
Section 221005 – Plumbing Piping  
Section 221006 – Plumbing Piping Specialties  
Section 223000 – Plumbing Equipment  
Section 224000 – Plumbing Fixtures

**DIVISION 23 - MECHANICAL**

Section 230010 - Basic Mechanical Requirements  
Section 230529 – Hangers and Supports
Section 230548 – Vibration and Seismic Controls For HVAC Piping and Equipment
Section 230553 – Identification for HVAC Piping and Equipment
Section 230713 – Duct Insulation
Section 230593 – Testing, Adjusting and Balancing for HVAC
Section 230719 – HVAC Piping Insulation
Section 232113 – Hydronic Piping
Section 233100 – HVAC Ducts and Casings
Section 233300 – Air Duct Accessories
Section 233423 – HVAC Power Ventilators
Section 233700 – Air Outlets and Inlets

DIVISION 26 - ELECTRICAL

Section 260010 – Basic Electrical Requirements
Section 260519 – Low-Voltage Electrical Power Conductors and Cables
Section 260526 – Grounding and Bonding for Electrical Systems
Section 260529 – Hangers and Supports for Electrical Systems
Section 260534 – Conduit
Section 260537 – Boxes
Section 260553 – Identification for Electrical Systems
Section 260923 – Lighting Control Devices
Section 262200 – Dry Type Transformers
Section 263416 – Panelboards
Section 262717 – Equipment Wiring
Section 262726 – Wiring Devices
Section 262818 – Enclosed Switches
Section 265100 – Interior Lighting
Section 265120 – Automatic Lighting Control System

DIVISION 28 – FIRE ALARM

Section 283100 – Fire Alarm Detection and Alarm

END OF TABLE OF CONTENTS
PART 1 - GENERAL

1.1 SECTION INCLUDES
A. Work Included.
B. Work under separate contracts.
C. Work by Owner.
D. Owner furnished products.
E. Contractor use of site and premises.
F. Work Sequence.
G. Owner occupancy.
H. Work restrictions.

1.2 WORK INCLUDED
A. Work of this Contract comprises general construction remodeling of a portion of the Rio Hondo College Administration building to create a new print shop, bookstore, modernized restrooms and fire alarm system throughout the entire two story building.
B. Construct the work under a single lump sum contract.

1.3 WORK UNDER SEPARATE CONTRACTS
A. General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract. Coordinate the Work of this Contract with work performed under separate contracts.

1.4 WORK BY OWNER
A. Items noted "NIC" (Not In Contract) will be furnished and installed by Owner.
B. Owner will remove and retain possession of the following items prior to start of work:
   1. ____________________________________________________________
   2. ____________________________________________________________
   3. ____________________________________________________________
   4. ____________________________________________________________
C. Contractor will remove and Owner will take possession of the following items prior to start of work:
1.5 OWNER FURNISHED PRODUCTS

A. Items noted "OFCI" (Owner-Furnished Contractor Installed) will be furnished by Owner and installed by Contractor.

B. Items noted "OFOI" (Owner-Furnished Owner Installed) will be furnished by Owner and installed by Owner.

C. Owner's Responsibilities:
   1. Arrange for and deliver Owner reviewed Shop Drawings, Product Data, and Samples to Contractor.
   2. Arrange and pay for Product delivery to site.
   3. On delivery, inspect Products jointly with Contractor.
   4. Submit claims for transportation damage and replace damaged, defective, or deficient items.
   5. Arrange for manufacturer's warranties, inspections, and service.

D. Contractor's Responsibilities:
   1. Review Owner reviewed Shop Drawings, Product Data, and Samples.
   2. Receive and unload Products at site; inspect for completeness or damage, jointly with Owner.
   3. Handle, store, install and finish Products.
   4. Repair or replace items damaged after receipt.

1.6 CONTRACTOR USE OF SITE AND PREMISES

A. Contractor shall have limited use of the site and premises throughout the construction period; construction activity shall be confined to the areas of improvement and immediately adjacent areas.

B. Construction Operations: Limited to area indicated on drawings

1.7 OWNER OCCUPANCY

A. Partial Owner Occupancy: Owner will occupy the premises during construction.

B. Owner Occupancy of Completed Areas of Construction: Owner reserves the right to occupy and to place and install equipment in completed areas of building, before Substantial Completion, provided such occupancy does not interfere with completion of the Work. Such placement of equipment and partial occupancy shall not constitute acceptance of the total Work.
C. Architect will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied before Owner occupancy.

D. Before partial Owner occupancy, mechanical and electrical systems shall be fully operational, and required tests and inspections shall be successfully completed. On occupancy, Owner will operate and maintain mechanical and electrical systems serving occupied portions of building.

E. On occupancy, Owner will assume responsibility for maintenance and custodial service for occupied portions of building.

F. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage.

G. Perform the Work so as not to interfere with Owner's day-to-day operations.

H. Maintain existing exits, unless otherwise indicated.

I. Provide not less than 72 hours notice to Owner of activities that will affect Owner's operations.

1.8 WORK RESTRICTIONS

A. On-Site Work Hours: Work shall be generally performed during allowable construction hours as determined by Rio Hondo College District.

B. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted to do so and then only after arranging to provide temporary utility services according to requirements indicated.

   1. Notify Architect not less than 5 days in advance of proposed utility interruptions. Do not proceed with utility interruptions without Architect’s permission.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION NOT USED

Not Used

END OF DOCUMENT
SECTION 03300
CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Cast-in-place concrete foundation walls, and footings.
B. Floors and slabs on fill on vapor barrier.
C. Control, expansion, and contraction joint devices associated with concrete work.
D. Curing and sealing compound.
E. Equipment pad
F. Light pole bases

1.2 REFERENCES

A. CBC - California Building Code, (CCR) California Code of Regulations Title 24, Part 12
D. ACI 301 - Specifications for Structural Concrete for Buildings.
E. ACI 318 - Building Code Requirements for Structural Concrete.
F. ACI 302.1R - Guide for Concrete Floor and Slab Construction.
G. ASTM C33 - Concrete Aggregates.
H. ASTM C94 - Ready-Mixed Concrete.
I. ASTM C150 - Portland Cement.
J. ASTM C260 - Air-Entraining Admixtures for Concrete.
M. ASTM C330 - Lightweight Aggregates for Structural Concrete.
N. ASTM C494 - Standard Specifications for Chemical Admixtures for Concrete.
O. ASTM C567 - Unit Weight of Structural Lightweight Concrete.
P. ASTM C618 - Standard Specification for Coal Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture for Concrete.


R. ASTM C1315 - Liquid Membrane - Forming Compounds Having Special Properties for Curing and Sealing Concrete.

S. ASTM D226 - Asphalt Saturated Organic Felt used in Roofing and Waterproofing.

T. ASTM D1751 - Preformed Expansion Joint Filler for Concrete Paving and Structural Construction.


V. ASTM E1643 - Installation of Water Vapor Retarders used in Contact with Earth or Granular Fill Under Concrete Slab.

W. ASTM E1155 - Determining Floor Flatness and Levelness Using the F-Number System.

X. ASTM E1745 - Standard Specifications for Plastic Water Vapor Retarders Used in Contact with Soil Or Granular Fill Under Concrete Slabs.

Y. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.

Z. National Ready Mix Concrete Association - Plant Certification Program.


1.3 QUALITY ASSURANCE

A. Perform work in accordance with ACI 301.

B. Obtain materials from same source throughout the Work.

1.4 QUALIFICATIONS

A. Manufacturer: Manufacturer of ready-mix concrete products complying with ASTM C94 requirements for production facilities and equipment. Certified according to National Ready Mix Concrete Associates Plant Certification Program.

1.5 DESIGN MIX

A. Submit design mix for each class of concrete, prepared by a California Registered Civil Engineer, to Testing Laboratory and Architect for review.

1.6 REGULATORY REQUIREMENTS

A. Conform to CBC - California Building Code, (CCR) California Code of Regulations, Title 24, Part 2, and ADAAG for access requirements for individuals with disabilities.
1.7 SUBMITTALS

A. Submit product data and manufacturer's instructions under provisions of Section 01330.

B. LEED Submittal: Credit MR 4.1 \(\text{and MR 4.2}\), submit data for content of postindustrial recycled content under provisions of Section 01352.

1.8 FIELD SAMPLE

A. Provide field sample of sandblast finish under provisions of Section 01450.

B. Provide a minimum 3'-0" x 3'-0" sample panel to be reviewed by Architect.

C. Accepted sample may [not] remain as part of work.

D. Field sample will demonstrate minimum standard for the work.

1.9 WARRANTY

A. Provide ten year warranty from curing, hardening and vapor barrier compound manufacturer under provisions of Section 01770.

B. Warranty: Include coverage for removal and replacement of finish floor materials that delaminate from interior floor slabs due to moisture migration and excessive vapor emissions or due to presence of efflorescence and alkali contaminate.

1.  Subfloor Moisture Conditions: Moisture emission rate of no more than 3 lb/1000 sq. ft./24 hours when tested by Quantitive Anhydrous Calcium Chloride Test, ASTM F1869, with subfloor temperature not less than 65 degrees F.

2.  Subfloor Alkalinity Conditions: A pH range of between 5 to 9 when subfloor is wetted with potable water and pHdrion paper is applied. C. Warranty to be supported by $1,000,000.00 product liability insurance policy issued directly to the Owner.

1.10 ENVIRONMENTAL REQUIREMENTS


PART 2 - PRODUCTS

2.1 FORMWORK

A. As specified in Section 03100.

2.2 REINFORCEMENT

A. Reinforcing steel as specified in Section 03200.

2.3 CONCRETE MATERIALS

A. Cement: ASTM C150, Type I or Type II Portland type; low alkali; grey color.

B. Fine and Coarse Aggregates Normal Weight Concrete: ASTM C33, non reactive when tested in...
according with ASTM C289 and Appendix X-1 of ASTM C33.

C. Fine and Coarse Aggregate, Light Weight Concrete: ASTM C330.

D. Water: Clean and not detrimental to concrete.

2.4 ADMIXTURES

A. Air Entrainment: ASTM C260.

B. Fly Ash: ASTM C618, Class F.

C. Water Reducing Admixture: ASTM C494, Type A.

D. Calcium chloride, or any other admixtures not allowable.

2.5 VAPOR BARRIER

A. Material: 10 mil thick polyethylene film meeting the requirements of ASTM E1745, Class B, with a minimum permeance of 0.03 perms in accordance with ASTM E96.

B. Accessories: Minimum 4 inch wide polyethylene tape with pressure sensitive adhesive.

C. Manufactures:


2.6 ACCESSORIES

A. Underlayment: ASTM D226, Type I (No. 15) asphalt saturated roofing felt.


C. Non-shrink Grout: Premixed compound consisting of non-metallic aggregate, cement, water reducing and plasticizing agents; capable of developing minimum compressive strength of 7000 psi in 28 days.

D. Joint Filler: ASTM D1751, 1/2 inch thick.

E. Sand Fill: Manufactured “crusher run” sand free of silt, clay, loam, friable or soluble materials or organic matters, all passing the No. 4 sieve and only 5 percent passing the No. 200 sieve.

F. Curing, Hardening and Vapor Barrier Compound: ASTM C1315, Type I, Class A and ASTM C309, Type 1, Class A, with maximum volatile organic compound (VOC) content rating as required to suit regulatory requirements. Material to have no less than 34 percent penetrating
solids, have no visible sheen and be compatible with floor finish materials and overlayments. Provide the following:


H. Slip Resistant Aggregate: 95 percent minimum fused homogeneous aluminum oxide.

I. Chemical Concrete Stain: Penetrating reactive concrete stain and clear sealer of color selected by Architect. Subject to compliance with requirements provide one of the following:


J. Substitutions: Under provisions of Section 01630.

2.7 CONCRETE MIX

A. Mix concrete in accordance with ASTM C94 and CBC, California Building Code, (CCR) California Code of Regulations, Title 24, Part 2, Section 1905A.3, Method B.

B. Footings: Proportion normal-weight concrete mixture as indicated in drawings.

C. Slabs-On-Grade: Proportion normal-weight concrete mixture as indicated in drawings.

PART 3 - EXECUTION

3.1 INSPECTION

A. Verify anchors, seats, plates, reinforcement, and other items to be cast into concrete are accurately placed, held securely, and will not cause difficulty in placing concrete.

3.2 PREPARATION

A. At locations where new concrete is dowelled to existing work, drill holes in existing concrete, insert steel dowels, and pack solid with non-shrink grout.

B. Place 2 inch thick sand fill over subgrade.

C. Install underlayment over wood subfloor. Lap joints 6 inches. Fasten in place.

3.3 VAPOR BARRIER

A. Install vapor barrier in compliance with ASTM E1643 under interior slabs.

B. Lay vapor barrier with long dimension parallel with long dimension of space.

C. Lap vapor barrier over footing and seal to vertical surface of foundation wall.
D. Overlap all joints in vapor barrier 6 inches and seal with tape.

E. Seal all pipe penetrations of vapor barrier with pipe boot fabricated from vapor barrier material and tape.

F. Repair damaged areas with vapor barrier, overlapping damaged area by 6 inches and taping all four sides.

3.4 BASE

A. Place 2 inch thick sand fill base over vapor barrier.

B. Ensure vapor barrier is not damaged or disturbed during base installation.

3.5 PLACING CONCRETE

A. Notify Architect minimum 24 hours prior to commencement of concreting operations.

B. Place concrete in accordance with ACI 301.

C. Hot and Cold Weather Placement: ACI 301.

1. When average high and low temperature is expected to fall below 40 deg F for three successive days, maintain delivered concrete mixture temperature within the temperature range required by ACI 301.

2. Maintain concrete temperature below 90 deg F at time of placement. Chilled mixing water or chopped ice may be used to control temperature, provided water equivalent of ice is calculated to total amount of mixing water.

3. Fog-spray forms, steel reinforcement, and subgrade just before placing concrete in hot weather. Keep subgrade uniformly moist without standing water, soft spots, or dry areas.

D. Ensure reinforcement, inserts, embedded parts and formed joints are not disturbed during concrete placement.

E. Do not disturb or damage vapor barrier while placing concrete. Repair damage as required to maintain integrity of barrier.

F. Place concrete continuously between predetermined construction and control joints. Do not break or interrupt successive pours such that cold joints occur.

G. Place interior floor slabs on fill in a strip sequence pattern.

H. Excessive honeycomb or embedded debris in concrete is not acceptable.

3.6 SEPARATE FLOOR TOPPING

A. Prior to placing floor topping roughen existing substrate concrete surface and remove deleterious material. Broom and vacuum clean.

B. Apply bonding agent to substrate concrete in accordance with manufacturers instructions

C. Place dividers edge strips reinforcing and other items to be cast into topping.
D. Place topping to required lines and levels.
E. Screed topping level, maintain surface flatness.

3.7 JOINTS
A. Saw cut control joints at an optimum time after finishing. Use 3/16 inch thick blade, cutting 1/3 into depth of slab thickness.
B. Provide control joints at 15 feet on center unless otherwise indicated.
C. Separate slabs from vertical surfaces with joint filler. Extend joint filler from bottom of slab to within 1/4 inch of finished slab surface.

3.8 FINISHING OF FORMED SURFACES
A. Rough form finish:
   1. Leave surfaces with the texture imparted by forms, except patch tie holes and defects.
   2. Remove fins exceeding 1/4 inch in height.
   3. Use for below grade foundation walls and concealed spaces.
B. Smooth form finish:
   1. Coordinate as necessary to secure form construction using smooth, hard, uniform surfaces, with number of seams kept to a practical minimum and in a uniform and orderly pattern.
   2. Patch tie holes and defects.
   3. Remove fins completely.
   4. Use for exposed finish surfaces to receive paint.
C. Smooth rubbed finish:
   1. Produce on newly hardened concrete no later than the day following form removal.
   2. Wet the surfaces, and rub with carborundum brick or other abrasive until uniform color and texture are produced.
   3. Do not use a cement grout other than the cement paste drawn from the concrete itself by the rubbing process.
   4. Use for exposed finish surfaces to receive clear sealer.
D. Grout cleaned finish:
   1. Do not start cleaning operations until all contiguous surfaces to be cleaned are completed and accessible.
   2. Do not permit cleaning as the work progresses.
3. Mix one part Portland cement and 1-1/2 parts fine sand with sufficient water to produce a grout having the consistency of thick paint.

4. Wet the surface of the concrete sufficiently to prevent absorption of water from the grout and apply the grout uniformly with brushes or spray gun.

5. Immediately after applying the grout, scrub the surface vigorously with a cork float or stone to coat the surface and fill all air bubbles and holes.

6. While the grout is still plastic, remove all excess grout by working the surface with a rubber float, sack, or other means.

7. After the surface whites from drying (about 30 minutes at normal temperatures), rub vigorously with clean burlap.

8. Keep the surface damp for at least 36 hours after final rubbing.

9. Use for repair of exposed finish surfaces to receive paint or clear sealer.

E. Medium Sandblast Finish:

1. Concrete must have cured a minimum of 14 days prior to sandblasting.

2. Perform sandblasting finishing in as continuous an operation as possible, utilizing same work crew to maintain continuity of finish on each surface or area of work.

3. Maintain depth of cut and general aggregate exposure to match field sample.

4. After sandblasting to required finish, wash to clean exposed aggregate surfaces to match Architect's sample.

3.9 FINISHING SLABS

A. Uniformly spread, screed and consolidate concrete. Do not spread concrete by vibration.

B. Float Finish: Float with hand float or with a powered disc float. High spots to be cut down and low spots to be filled. Use as preparation for further finishing.

C. Scratched Finish: Mechanically float surfaces. Roughen with stiff brushes before final set. Use for [quarry tile] [ceramic tile] [_______] with full bed setting systems [substrate slab beneath topping] and where indicated.

D. Troweled Finish: After floating, steel trowel to smooth, mark free surface. Use for exposed floors and slabs [to receive] [carpeting] [resilient flooring] and where indicated.

E. Fine Broom Finish: After floating and while the surface is still plastic, provide a fine textured finish by drawing a fine fiber bristle broom uniformly over the surface in one direction only. Use for [exposed] floors and slabs [and for floors and slabs] [to receive] [ceramic tile] [quarry tile] [using the thin set setting method] [and] where indicated.

F. Slip Resistant Finish: After floating and while the surface is still plastic, uniformly broadcast aluminum oxide particles onto surface at the rate of 25 pounds per 100 sq. ft. Trowel particles into surface to provide embedment but do not force below surface. Use for exposed floors and slabs which constitute ramps with slope of 6 percent or greater, exposed stair treads, and as indicated.
3.10 Chemically Stained Concrete Finish

A. Concrete surfaces shall have cured a minimum of 28 days prior to stain application.
B. Apply chemical stain to concrete surfaces as indicated on the drawings.
C. Apply stain evenly over surface in quantities according to manufacturer's recommendations.
D. Do not apply stain when temperature is above 85 degrees F.
E. Maintain a wet edge on surfaces during application.
F. Remoisten concrete to blend hard edges or lap marks caused by application.
G. Flush area of stain application with mixture of water and baking soda after stain has dried.
H. Prevent water rinse runoff to planted areas or other surfaces that may be damaged by stain residue.
I. Apply manufactures recommended sealer to stained surfaces. Apply in accordance with manufactures recommendations.
J. [Apply a slip resistant sealer equivalent to Rafco Products Co. Masterseal or Scofield Clearcoat at all [locker room] [and] [shower] [ramp] [stair] [surfaces]].

3.11 SLAB TOLERANCES

A. Maintain slab tolerance as defined in ACI 302.1R of (SOV) FF35 and FL25 and (MOV) FF24 and FL17 as measured by ASTM E1155.
B. Correct the slab surface if the actual FF/FL number for the floor installation measures less than required.
C. In areas of floor drains, maintain floor levels at the walls and slope surface uniformly to drains at 1/8 inch per foot.

3.12 CURING

A. Apply curing, hardening and vapor barrier compound on all floor slabs that are not exposed and indicated to be sealed.
B. Cure concrete surfaces in accordance with ACI 301.
C. Spray apply curing, hardening and vapor barrier compound on finished slab surfaces located below grade, at grade, and above grade in two "wet on wet" flood coats at the rate of 200 sq. ft./gallon in accordance with manufacturer's instructions.
D. Application of compound shall be by a trained applicator acceptable to compound manufacturer.

3.13 SEALING

A. Apply sealing compound on finished floor slab surfaces that are not to receive a finished floor covering and are indicated to be exposed and sealed.
B. Apply sealing compound immediately following finishing operation.

C. Apply sealing compound in sufficient quantities to keep entire surface wet for a minimum of 30 minutes.

D. Lightly mist surface with water as compound is absorbed into surface.

E. Flush surface with water and squeegee surface free of excess compound.

3.14 PATCHING

A. Notify Architect immediately upon removal of forms to determine areas that will require patching.

B. Surface defects shall include color and texture irregularities, stains, cracks, spalls, air bubbles, honeycombs, rock pockets, fins and other projections and discolorations in the surface that cannot be removed by cleaning.

C. Patch imperfections in accordance with ACI 301.

3.15 DEFECTIVE CONCRETE

A. Modify or replace concrete not conforming to required levels and lines, details, and elevations.

B. Repair or replace concrete not properly placed or of the specified type.

3.16 FIELD QUALITY CONTROL

A. Field inspection and testing will be performed under provisions of Section 01458 and as required by the Division of the State Architect and District Inspector.

B. Owner’s Inspector will take cylinders and perform slump and air entrainment tests in accordance with ACI 301 and will arrange for pick-up by Testing Laboratory.

C. Three cylinders will be taken for every 50 yards, or fraction thereof, for each class of concrete for each day.

D. Tests of cement and aggregates will be performed by Testing Laboratory to ensure conformance with requirements stated herein.

E. Maintain records of placed concrete items. Record date, location of pour, quantity, air temperature, and test samples taken.

3.17 PROTECTION

A. Protect finished work under provisions of Section 01600.

B. Immediately after placement, protect concrete from premature drying, excessively hot or cold temperatures, and mechanical injury.

C. Maintain concrete with minimal moisture loss at relatively constant temperature for period necessary for hydration of cement and hardening of concrete.

END OF SECTION
SECTION 09682
CARPET TILE

PART 1 - GENERAL

1.1 SECTION INCLUDES
A. Modular carpet tile installed by fully adhered method.
B. Accessories.

1.2 REFERENCES
A. ASTM D1335 - Tuft Bind of Pile Floor Coverings.
C. ASTM E662 - Specific Optical Density of Smoke Generated by Solid Materials.
D. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride.
H. FCIB - Floor Covering Installation Board.

1.3 SUBMITTALS
A. Submit product data under provisions of Section 01330.
B. Provide product data on specified products, describing physical characteristics; sizes, patterns, colors available, and method of installation.
C. Submit samples under provisions of Section 01330.
D. Submit two samples minimum 18 x 18 inch in size illustrating color and pattern for each carpet material specified.

1.4 OPERATION AND MAINTENANCE DATA
A. Submit maintenance data under provisions of Section 01770.
B. Include maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning and shampooing.
1.5 **QUALITY ASSURANCE**

A. Perform work in accordance with CRI 104.

B. Maintain one copy of document on site.

C. Manufacturer: Company specializing in carpet manufacturing with ten years minimum experience.

D. Installer: FCIB certified or demonstrate ability to comply with FCIB certification procedures.

E. Carpet shall have an average tuft bind of 20 pounds when tested in accordance with ASTM D1335.

F. Carpet shall bear CRI Indoor Air Quality Carpet Testing Program label.

1.6 **REGULATORY REQUIREMENTS**

A. Conform to CBC - California Building Code, (CCR), Title 24, Part 9, Appendix IV-A for Class 1 floor finish flammability requirements.

B. Floor covering to have a NFPA Class I rating with a minimum radiant flux of 0.45 watt per square centimeter when tested in accordance with ASTM E648.

C. Floor covering to have a smoke developed rating of less than 450 when tested in accordance with ASTM C662.

1.7 **DELIVERY, STORAGE AND HANDLING**

A. Deliver, store, and protect products to site under provisions of Section 01600.

B. Comply with requirements of CRI 104 Section 5.

1.8 **PROJECT/SITE CONDITIONS**

A. Comply with requirements of CRI 104, Section 7.

B. Concrete subfloor to be allowed to cure for a minimum of 90 days to achieve acceptable dryness.

C. Store materials for three days prior to installation in area of installation to achieve temperature stability.

D. Maintain minimum 70 degrees F and maximum 95 degrees F ambient temperature with relative humidity between 10 and 65 percent three days prior to, during, and after installation of materials.

E. Subfloor Moisture Conditions: Moisture emission rate equal to or less than 3 lb./1000 sq. ft./24 hours when tested by calcium chloride moisture test, ASTM F1869, in compliance with CRI 104, Section 7.10.1, with subfloor temperature not less than 65 degrees F.

F. Subfloor Alkalinity Conditions: A pH range of between 5 to 9 when subfloor is wetted with potable water and pHdrion paper is applied.
1.9 WARRANTY

A. Provide manufacturer’s standard lifetime warranty under provisions of Section 01770.
B. Performance Warranty: Manufacturer’s lifetime warranty covering delamination of secondary backing, edge ravel and tuft bind of carpet under both wet and dry conditions.
C. Wear Warranty: Manufacturer’s lifetime warranty that carpet will lose no more than 10 percent by weight of face yarn.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

C. Listed Manufacturers are College Standard.

2.2 MATERIALS

A. Tufted textured loop carpet conforming to published specification characteristics of named manufacturer as modified by requirements specified in this section.
B. Size: 18 x 18 inches or 24 x 24 inches.
C. Fiber Type: Aquafil’s Econyl fiber, Dynex SD Nylon
D. Pile Height: Maximum 1/2 inch.
E. Backing: Integrated polyurethane cushion. No latex backing to be used.
F. Soil-Resistance Treatment: Manufacturer’s standard integral stain resistant treatment.
G. Antimicrobial Treatment: Shall contain treatment to inhibit growth of bacteria, mold, mildew, and other odor causing microorganisms.

2.3 ACCESSORIES

A. Sub-Floor Filler: White premix latex; type recommended by carpet manufacturer.
B. Primers and Adhesives: Waterproof; releasable type recommended by carpet manufacturer. Shall meet South Coast Air Quality Management District (SCAQMD) Rule 1168.
C. Edge Strips: Vinyl type, color as selected.
PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine subfloors and conditions for compliance with requirements for moisture content, alkalinity range and other conditions affecting performance of carpet.

B. Verify that subfloor surfaces are smooth and flat and are ready to receive work.

C. Beginning of installation means acceptance of subfloor and site conditions.

3.2 PREPARATION

A. Remove subfloor coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone.

B. Remove subfloor ridges and bumps. Fill low spots, cracks, joints, holes, and other defects with sub-floor filler.

C. Apply, trowel, and float filler to leave smooth, flat, hard surface.

D. Prohibit traffic until filler is cured.

E. Apply subfloor primer compatible with adhesive where recommended by carpet manufacturer.

F. Vacuum floor surface.

3.3 INSTALLATION

A. Apply carpet and adhesive in accordance with manufacturer’s instructions and CRI 104, Section 14.

B. Fully adhere carpet tile to substrate.

C. Lay carpet on floors with tiles laid in quarter turn or random pattern.

D. Install pattern parallel to walls.

E. At doorways, center seams under door in closed position.

F. Fit seams straight, not crowded or peaked, free of gaps.

G. Extend carpet into toe spaces, door reveals, open-bottomed obstructions, alcoves and similar openings.

H. Cut and fit carpet around interruptions.

I. Fit carpet tight to intersection with vertical surfaces without gaps.
3.4 CLEANING

A. Remove excess adhesive from floor, base, and wall surfaces without damage.

B. Vacuum carpet surfaces.

3.5 PROTECTION

A. Comply with requirements of CRI 104, Section 16.

B. Prohibit traffic from carpet areas for 24 hours after installation.

END OF SECTION
SECTION 10165
TOILET COMPARTMENTS AND SCREENS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:
   1. Floor-mounted, overhead-braced, high density polyethylene (HDPE) toilet compartments.
   2. Wall mounted HDPE urinal screens.

B. Related work: Division 10 for toilet room accessories.

1.2 DSA STANDARDS

A. Toilet stalls for disabled persons shall have slide bolt door latch, U-shape or wire pulls both sides of the door and self-closing hinges. Door hardware shall be mounted at 30- to 44 inches above finished floor.

B. Doors at front entry stalls shall have 32 inches minimum clear width when the door is open 90 degrees.

C. Doors at side entry stalls shall have 34-inch minimum clear width when the door is open 90 degrees.

1.3 SUBMITTALS

A. Data: Manufacturer product data for partitions and screens. Supplement with shop drawings showing plan layout, and large scale details of attachment to adjacent construction and supports.

B. Shop drawings:
   1. Show layout of compartments and screens in each space to receive them.
   2. Show fabrication and erection of assemblies to extent not fully described by manufacturer's data sheets.
   3. Show anchorage, accessory items and finishes.
   4. Provide location drawings for bolt hole locations in supporting members for attachment of compartments.

C. Samples:
   1. Six-inch square samples of each color of selected panel material.
   2. Full size samples of hardware.
D. Warranty: Sample copies of manufacturer’s warranties for assemblies to be furnished under this Section, clearly defining terms, conditions, and time periods for the warranty.

E. Closeout: Bound maintenance instructions for the HDPE panels.

1.4 HANDLING

A. Maintain manufacturer’s protective covers on panels as long as possible to protect them from damage.

1.5 WARRANTY

A. Warrant materials against breakage, corrosion and delamination for 25 years after Substantial Completion.

B. Repair defective materials, at no cost to the College, within the warranty period.

1.6 MAINTENANCE

A. With closeout submittal, provide instructions for proper care of compartments and screens, such as: required lubrications, adjustments, and cleaning.

PART 2 - PRODUCTS

2.1 MANUFACTURE

A. Design is based on assemblies by Scranton Products (Santana/Comtec/Capitol).

B. Other acceptable manufacturers:
   1. Bobrick Washroom Equipment, Inc.
   2. Metpar Corp.
   3. Or equal.

2.2 MATERIALS

A. General:
   1. Provide materials selected for surface flatness and smoothness.
   2. Exposed surfaces which exhibit defects, discolorations, and other imperfections are not acceptable.

B. Wall-hung screens: Furnish panels of same construction and finish as partition system panels.
2.3 COMPONENTS

A. Doors, panels and pilasters shall be one-inch thick constructed from High Density Polyethylene (HDPE) resins. Partitions shall be fabricated from polymer resins compounded under high pressure, forming a single component which is waterproof, nonabsorbent and has a self-lubricating surface that resists marks from pens, pencils, markers and other writing instruments.

B. Pilaster shoes: 3 inches high (type 304, 20 gage) stainless steel. Pilaster shoes shall be secured to the pilaster with a stainless steel tamper resistant torx head sex bolt.

C. Wall brackets: 54 inches long, 1-1/2-inch stirrup type made of heavy-duty aluminum (6463-T5 alloy) with a bright dip anodized finish, fastened to pilasters and panels with stainless steel tamper resistant torx head sex bolts.

D. Headrail: Heavy-duty extruded aluminum (6463-T5 alloy) with anti-grip design and integrated curtain track, with a clear anodized finish, fastened to the headrail bracket by a stainless steel tamper resistant torx head sex bolt, and fastened at the top of the pilaster with stainless steel tamper resistant torx head screws.

E. Headrail brackets: 20-gage stainless steel with a satin finish and secured to the wall with a stainless steel tamper resistant torx head screws.

F. Door hardware, general:

1. Provide hardware for each compartment complying with ANSI A117.1 for disabled accessibility. Mount hardware for all doors for disabled accessibility, with combination rubber-faced door strike and keeper.

2. Comply with DSA standard above for doors to disabled stalls and hardware location.

3. Hinges: 8 inches and fabricated from heavy-duty extruded aluminum (6463-T5 alloy) with bright dip anodized finish with wrap-around flanges, through bolted to doors and pilasters with stainless steel, torx head sex bolts. Hinges operate with field adjustable nylon cams. Cams can be field set in 30-degree increments OR, hinges shall be integral, fabricated from the door and pilaster with no exposed metal parts.
   a. Hinges shall be adjustable to hold door open at any angle up to 90 deg.

4. Door strike/keeper: 6 inches long and made of heavy-duty extruded aluminum (6436-T5 alloy) with a bright dip anodized finish and secured to the pilasters with stainless steel tamper resistant torx head sex bolts. Bumper shall be made of extruded black vinyl.

5. Latch and housing: Heavy-duty extruded aluminum (6463-T5 alloy). The latch housing shall have a bright dip anodized finish, and the slide bolt and button shall have a black anodized finish.

6. Miscellaneous:
   a. Each door shall be supplied with one coat hook/bumper and door pull made of chrome plated zamak. ADA-compliant doors shall be supplied with a second door pull and out swing doors with one door stop made of chrome plated zamak.

2.4 FABRICATION

A. General:

1. Fabricate units with cutouts, drilled holes, and internal reinforcement to receive partition-mounted hardware, accessories, and grab bars, as indicated.

2. Exposed fasteners on the exterior of the partitions are not permitted.

B. Doors, panels, and pilasters: One-inch thick with all edges rounded to a radius.

C. Doors and dividing panels: 55 inches high and mounted at 14 inches above the finished floor with an aluminum heat sink may be fastened to the bottom edges.

D. Pilasters: ASTM A 167, Type 302/304 stainless steel, 0.0396-inch thick (20-gage), finished to match hardware, 82 inches high (standard) and fastened into a 3-inch high pilaster shoe with a stainless steel tamper resistant torx head sex bolt.

1. Furnish galvanized steel anchorage devices complete with threaded rods, lock washers, and leveling adjustment nuts at pilasters to permit structural connection at floor.

2. Provide shoe at each pilaster to conceal anchorage.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine conditions and measurements affecting the work of this Section at site.

B. Correct conditions detrimental to the proper and timely completion of this work before proceeding with installation.

3.2 INSTALLATION

A. Set compartments and screens plumb, level, and space uniformly in compliance with their manufacturer's instructions and the following.

B. Set pilasters with anchorages having not less than 2-inch penetration into structural floor, unless otherwise recommended by compartment manufacturer.

1. Level, plumb, and tighten installation with devices furnished.

2. Hang doors and adjust so that tops of doors are level with tops of pilasters when doors are in closed position.

C. Secure panels to walls with not less than 2 stirrup brackets attached near top and bottom of panel.
1. Locate wall brackets so that holes for wall anchorages occur in tile joints where applicable.

2. Secure panels to pilasters with not less than 2 stirrup brackets located to align with stirrup brackets at wall.

3. Anchor panels to studs or backing plates only; fastening components to walls with toggle bolts will not be allowed.

D. Install hardware as recommended by manufacturer. Conceal evidence of drilling in finished work.

E. Exposed fasteners on the exterior of the partitions are not permitted.

3.3 ADJUSTING/CLEANING

A. Adjust brackets and hardware to provide uniform clearances not exceeding the following dimensions:

1. Pilasters and walls: One-inch.

2. Panels and walls: One-inch.

3. Pilasters and panels: 1/2-inch.


B. Adjust hardware for proper operation. Set hinges on in-swinging doors to hold open approximately 30 deg. from closed position when unlatched, except set hinges on out-swinging doors (and entrance swing doors) to return to fully closed position.

C. After completion of installation, clean and polish exposed surfaces and touchup minor scratches.

D. Remove and replace, at no cost to the College, components, which cannot be satisfactorily touched-up in the field, in the Architect’s opinion.

END OF SECTION
WALLS
PT-1: FRAZEE SUNNY BEIGE : EGGSHELL - (TBC)
PT-2: FRAZEE GEORGIA WHITE: EGGSHELL - (TBC)

FLOORING
CPT-1: TANDUS
STYLE / COLOR: CHANGE II - VELVET UNDERGROUND#10812 (TBC AND TBD BY CLIENT)

LVT: MANUFACT: SEE SPECS
COLOR: TBD

CARPET NOTES:
A. Carpet shall be securely attached and have a firm cushion, pad, or backing or no cushion or pad. It shall have a level loop, textured loop, level cut pile, or level cut/uncut pile texture. Pile height shall be ½” maximum per CBC Section 11B-302.2
B. Exposed edges shall be fastened to floor surfaces and shall have trim on the entire length. Carpet edges shall comply with CBC section 11B-303 per CBC Section 11B-302.2.

LVT NOTES:
Provide 25 sq ft of flooring and 20 lineal feet of base of each material specified under provisions of Section 01770.

VT: VINYLE TYLE: NATURAL CREATIONS
MYSTIX TP769 CHROMA STONE SPAR

CEILING
ACT-1: PER SPECS
GYPBD: SOFFITS AND RESTROOMS - (TBC)

SUBSTRATE
TB-GYPBD: 5/8" TYPE X GLASS MAT FACE TILE BACKER (TBC)
PLAS: PLASTER (TBC)
GYPBD: 5/8" TYPE X (TBC)

WALL BASE
RWB: RUBBER WALL BASE (PER SPECS)
TEXTURE
OP: LIGHT ORANGE PEEL - (TBC)

FINISH LEGEND

DESCRIPTION:
FINISH LEGEND

A101
DATE
04/15/16
DRAWING NUMBER
A# 03-116477
PROJECT NAME:
BOOKSTORE AND PRINT SHOP
PROJECT NUMBER:
01-08-2016
FILE # 19-C12
### NOTE:
CONTRACTOR TO SUBMIT SHOP DRAWINGS OF VERTICAL MULLIONS ATTACHMENT TO HSS AND OF ALL STOREFRONT ATTACHMENT DETAILS FOR DSA REVIEW AND APPROVAL.

**DESCRIPTION:**
- **PROJECT NAME:** EXTERIOR FRONT - ELEVATION (NOTE)
- **DRAWING REFERENCE:** A120
- **PROJECT NUMBER:** A# 03-116477
- **FILE #** 19-C12
- **DATE:** 04/15/16
- **SCALE:** 1" = 1'-0"
- **ISSUE REFERENCE:** Addendum -2

**FILE #** 19-C12

**PROJECT NUMBER:** 01-08-2016

**DATE:** 04/15/16

**SCALE:** 1" = 1'-0"

**ISSUE REFERENCE:** Addendum -2

**DRAWN BY** Author