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 # 6 in the space provided on Bid Form. Failure to do so may result in the bid being deemed non-responsive.

The Addendum consists of the following changes:

1. **ADMINISTRATIVE ITEMS; Bidding Documents:**

1.1. CHANGE: Article 4.3.6 states .... “Contractor, however, is responsible for the cost of travel, housing, food, out of area premiums that may be in the Inspector/Testing Agreement with District, or other expenses necessary to ensure proper inspection, special inspection or testing is provided by a DSA Certified Inspector, Special Inspector, or individual performing tests. In some cases all three (DSA Inspector, Special Inspector, and Tester) may be required. In addition, if the DSA Certified Inspector, Special Inspector, or individual performing test has contractual travel clauses or special rates for out of town inspection, Contractor is responsible for all costs associated with the contractual travel costs in addition to all other costs.” The Contractor will not be responsible for the costs referenced above. The District will be responsible for the costs.
1.2 ADD: The location of the Staging areas shall be as indicated on the attached Site Plan titled “Rio Hondo College Contractor Work Areas”.

1.3 ADD: Add the attached Attachment A, which describes the requirements pertaining to field Offices/Facilities and Traffic Control.

2. DRAWINGS AND SPECIFICATIONS;
   2.1. ADD: Add the attached document dated September 21, 2016, titled “Addendum No. 6”. This document includes changes to the Specifications Table of Contents, Changes to the Specifications, Added Specification sections, Changes to the Drawings, and answers to Pre-Bid Clarifications.
   2.2. ADD: Add the Drawings included in this Addendum No. 6
   2.3. ADD: Add the requirement for the contractor to provide a conference room in the Contractor’s Facilities to conduct weekly job meetings to Subsection 2.02 Field Offices and Sheds under the Temporary Facilities and Controls, Section 01 5000-2.
Attachment A

1.1 Field Offices/Facilities:

1. General: Erect and maintain, for duration of operations and in locations as approved, suitable temporary office facilities as required for Contractor's and College Representative's administration of the work. Provide necessary sheds and facilities for the storage of tools, materials, and equipment employed in the performance of the work. Temporary buildings shall be weather-tight with raised solid floors, solid sheathed and composition roofs, and adequately glazed and screened windows for light and ventilation. Temporary buildings shall be painted using colors as approved. Provide stairs and accessible ramps per code. The Contractor shall maintain the approach to field offices free from mud and water.

2. CM Trailer Size: 12’ x 60’ with two 12’ x 12’ offices, restroom (with a holding tank under the trailer that shall be pumped/serviced as needed but no less than once per week) and work room and carpet flooring.

3. Provide two (2) entrance doors to the building, one (1) at each end and one (1) door into each office and toilet. Provide cylinder lock and dead bolt keyed alike on each exterior door, and provide one (1) cylinder lock and keyed differently on each interior door. Provide six (6) sets of keys for each door lock to the College Representative.

4. Provide thermostatic controlled refrigerated air conditioning and heating system to all spaces. HVAC system shall maintain a temperature indoors of 65deg F to 80 deg F, regardless of outdoor conditions at the site.

5. Provide hot water and cold water, electricity, and telephone service with three (3) lines. Provide at least one (1) telephone with speaker in each office and in Conference Room. Provide bottled drinking water service with hot and cold dispenser, included paper cup supply.

6. Provide telephone / data service consisting of a minimum of the following:
   
   a. Two (2) dedicated fax lines. (CM & IOR)
   b. Four (5) internet connections via one (1) full-time, high-speed DSL (or ISDN) internet line, one (1) at receptionist’s desk, one (1) at copier, one (1)
each in the Construction Manager’s, (1) Project Inspector offices, and (1) Project Engineer desk.

c. Four (4) telephone lines, one (1) for each person, all going to the receptionist for screening, and four (4) phones, one (1) for each staff member. All phones shall have speaker capability.

7. Provide 120/208V 100A electrical service consisting of a minimum of 12 circuit, 120 volt, 100-amp service hookup and distribution as follows:

a. Provide warm white fluorescent light fixtures to evenly illuminate the rooms to a minimum of 50 foot-candles and an average of 70 foot-candles measured at desk height. Provide a minimum 60-watt light fixture in the lavatory facility. Provide light switch in each room.

b. Provide two duplex 120-volt outlets in each office and clerical area, 3 duplex 120-volt outlets in meeting room, and one GFI outlet only in restroom.

c. Contractor shall pay for an Internet Services Provider as selected and/or approved by the Construction Manager.

8. All trailers shall be equipped with working intrusion alarm systems with code pad by door and auto dialer to local security service or campus police.

9. Contractor shall pay the telephone and Internet service installation cost and monthly service charge for all lines and for all telephone calls, facsimile transmissions, electronic, and Internet communications.

10. First Aid Supplies: Provide types and quantities required by referenced standards, authorities having jurisdiction, and as prudent for the conditions existing for the Work.

11. Fire Extinguishers: Hand carried, portable, UL rated. Provide class and extinguishing agent as indicated or a combination of fire extinguishers of NFPA-recommended classes for exposures. Comply with NFPA 10 and NFPA 241 for classification, extinguishing agent, and size required by location and class of fire exposure. Comply with requirements of authorities having jurisdiction.

12. Self-Contained Toilet Units: Single-occupant units of chemical, aerated recirculation or combustion type; vented; fully enclosed with a glass-fiber-reinforced polyester shell or similar nonabsorbent material.

13. Accessory Furnishings:

a. For each Office: (Construction Manager & Project Inspector)
   1) One (1) 2'-6” x 5' desk with drawers and locks and key.
2) One (1) cushioned ergonomic office swivel chair for each desk or workstation. Chairs to provide adequate back support for users.
3) Two (2) cushioned chairs for visitors.
4) Two (2) metal filing cabinets, 18"W x 30"D x 52"H, four drawers with locks and keys.
5) One (1) bookcase, 12"D x 48"L x 30 “H, with one adjustable shelf.
6) One (1) wastebasket.
7) One (1) plan rack, with six (6) metal stick files.
8) One (1) 48” x 36” wall-mounted dry marker board.
9) One (1) 4’ x 2’ stand/table for printer.
10) One (1) 3’ x 6’ plan check table.
11) One (1) 12 inch diameter, wall-mounted, battery-operated clock.

b. For the Clerical Workstation:
1) Same as 3.3.G.9.a above (except items 1, 3, and 7).
2) One (1) fax stand/table (approx. 2’x2’).
3) One (1) 30”x 60” desk with secretarial return.
4) Two (2) 2’ x 2’ stand/tables for printer and scanner.

c. For the Workroom:
1) Two (2) 3’ x 6’ plan check tables.
2) Two (2) 4’ x 9’ conference foldable tables with fourteen (14) cushioned stacking chairs.
3) Two (2) wastebaskets.
4) Four (4) metal filing cabinets, 18"W x 30"D x 52"H, four (4) drawers with locks and keys (or equivalent lateral file capacity).
5) Two (2) wall-mounted dry marker boards, 4’ x 6’ minimum, with three (3) markers each in colors red, green, blue, and black.
6) One (1) wall-mounted corkboard for thumbtacks, 4’ x 4’ minimum.
7) One (1) overhead shelf / rack for twelve (12) hard hats.
8) One (1) 12 inch diameter, wall-mounted, battery-operated clock.
9) One (1) twelve- (12) peg coat rack.
10) One (1) 2’-6” x 5’ desk with drawers and locks and key.

14. Accessory Equipment:

a. Plain paper, fully programmable, high-speed fax. Contractor to provide paper, toner, maintenance service, and all required supplies to operate.

b. Three (3) computers (MS Windows Vista based) with one (1) each min. 17-inch color monitors. One (1) Epson 1520 printer (wide carriage with network adaptor). One (1) HP 4050N laser printer with network adaptor. Surge protection and UPS for each computer. Installed software of Windows XP Professional, Microsoft Office XP Professional, or latest version, Microsoft Internet Explorer 6.0 and Adobe Acrobat 8 Professional. Computer specifications: At minimum, Pentium IV – 2.80 GHz 512K full
cache, 1 GB RAM, 80 GB ATA hard drive, 64MB video card, 1.44MB 3.5 floppy drive, 8/4/32 x CD RW/DVD, integrated 3 Com 10/100 network interface card, integrated sound card, and modem card. Computer support will be “next business day” onsite parts and labor. Miscellaneous accessories: Wireless adaptor (router), power cords, printer/network cables, zip disks, DSL accessories, paper, and toner / ink.
c. Copy machine: Sharp Model AR-337 or approved equal, with double-sided copying feature, multiple paper sizes (up to 11” x 17”) collating, enlarging and reduction features, scan to e-mail feature, paper, toner, and regular maintenance by qualified service.
d. Phone instruments: Four (4) with speakerphones, redial, hold, call forwarding, auto transfer, and voicemail. AT & T [Lucent Technologies] or equal.
e. Local telephone company voicemail/answering services function on at least one (1) line.
f. Compact Digital camera, minimum 3.2 megapixel CCD or higher, fully automatic with auto data back and 110 mm zoom lens (10x), with min of 64MB Compact Flash Card capability (or other memory card or stick) as manufactured by Sony, Canon, Nikon, Konica, or other.
g. Drinking water with hot and cold dispenser. Contractor to provide all required supplies to operate.
h. At the end of the project, the College will obtain furnishings and equipment provided for the Field Offices.

15. All equipment and flooring shall to be new, and all furnishings may be new or like new upon acceptance of College Representative. The Contractor shall maintain or replace failed or malfunctioning equipment within 48 hours as directed by the College or the College reserves the right to lease/purchase replacement equipment at the Contractor’s expense.

16. Contractor shall provide for no less than four (4) parking spaces for the exclusive use of the College Representative, the Engineer of Record, and/or Construction Manager Personnel adjacent to the Temporary Field Office.

17. Contractor shall provide one copy of the following Reference Materials:

Upon request of the College Representative, the Contractor shall provide copies of codes, standards, and reference material not specifically mentioned above, but referenced in the contract documents.

B. Janitorial Services: Provide janitorial services on a weekly basis for temporary offices, first-aid stations, toilets, wash facilities, and similar areas.

Maintain support facilities until near Completion. Remove upon Completion as directed by Construction Manager.

1.2 TRAFFIC CONTROL

A. Prior to start of Work, determine the routing of construction vehicles and the measures necessary to control traffic during construction as instructed by Construction Manager and or the Program Management Team. Provide measures including, but not limited to, the following:

1. Be responsible for controlling construction traffic on and adjacent to the site Comply with requirements of authorities having jurisdiction for traffic controls in public right-of-ways.

   a. Provide necessary measures including, but not limited to, flag personnel, barricades, sufficient lights, reflectors, warning signals, warning signs indicating closures, directional, and detour instructions for all deliveries and removals for each and all trades.

2. Route construction equipment, trucks, and similar vehicles via existing public streets to and from the site as approved by authorities having jurisdiction.

3. Obtain and pay for permits and inspections made necessary by use of public street, sidewalks, curbs, and paving. Post guarantees and bonds that may be required, and repair subsequent damage to public property in a manner acceptable to authorities having jurisdiction.

4. Parking:

Parking for workers may be provided on the Project site to the extent that space for that purpose is available without interference with activities of College or activities related to performance of the Work.
No parking will be permitted in student & staff parking lots. Arrange for additional employee parking off-site at no additional cost to College.

Contractor’s employees, subcontractors, and material suppliers shall observe all College traffic regulations.

5. All deliveries must be delivered prior to 7am Monday thru Friday.
ADDENDUM 6

To Project Bidding Documents for:

“L” TOWER BUILDING
SEISMIC AND CODE UPGRADES
RIO HONDO COLLEGE
3600 Workman Mill Road
Whittier, CA 90601

OWNER:
RIO HONDO COMMUNITY COLLEGE DISTRICT
3600 Workman Mill Road
Whittier, CA 90601

ARCHITECT:
Westberg + White Architects, Inc.
14471 Chambers Road, Suite 210
Tustin, CA 92780
714/508-1780

TO: PROSPECTIVE BIDDERS

This Addendum forms part of Contract Documents and modifies original Bidding Documents dated June 7, 2016. Acknowledge receipt of this Addendum in space provided on Bid Form. Failure to acknowledge may subject Bidder to disqualification.

CHANGES TO TABLE OF CONTENTS

1. Revise Table of Contents as follows:
   a. Insert following:
      
      “06 8300  Fiberglass Reinforced Paneling”
      “09 6516  Resilient Sheet Flooring”
   
   b. Table of Contents is not reissued.

CHANGES TO SPECIFICATIONS:

1. Section 06 8300 – Fiberglass Reinforced Paneling
   a. Insert new Section 06 8300 issued with this Addendum.

2. Section 09 3000 – Tile
   a. Delete Section 09 3000 in its entirety and replace with revised Section 09 3000, issued with this Addendum.

3. Section 09 6516 – Resilient Sheet Flooring
   a. Insert new Section 09 6516 issued with this Addendum.
CHANGES TO SPECIFICATIONS BY DESCRIPTION:

1. **Section 01 4500 – Quality Control**
   a. Article 1.04 – Revise as follows:
   Delete paragraph A and Items 1 through 6 in their entirety and replace with following:
   “A Owner will pay for quality control services.”
   b. Section 01 4500 is not reissued.

2. **Section 05 0513 – Shop-Applied Metal Finishes**
   a. Article 1.01, paragraph B – Revise as follows:
   Delete Item 3 – Section 08 5113 Aluminum Windows.
   b. Section 05 0513 is not reissued.

3. **Section 05 5000 – Metal Fabrications**
   a. Article 1.01, paragraph A, Item 2 – insert following:
   “i. Equipment screen supports.”
   b. Article 1.01, paragraph B – insert following:
   “5. Section 08 9000 Louvers.”
   c. Article 1.02, paragraph B – insert following
   “14. ASTM A 1085 – Standard Specification for Cold-Formed Welded Carbon Steel Hollow Structural Sections (HSS).”
   d. Article 2.01, paragraph D – insert following:
   e. Section 05 0500 is not reissued.

4. **Section 09 6500 – Resilient Flooring**
   a. Article 1.01, paragraph B – Insert following:
   “3. Section 09 96516: Resilient Sheet Flooring”
   b. Article 2.01, paragraph A – Revise as follows:
   Delete reference to “Armstrong Commercial Flooring” and replace with “Forbo Flooring Systems”
   c. Article 2.02, paragraph A – Revise as follows:
   Delete Item 1 in its entirety and replace with following
   “Forbo, 12 inches by 12 inches, Marmoleum Composite Tile (MCT) Item 1 a – Replace “As selected by Architect” with MCT-3120 Rosato”
   Delete Item 1b in its entirety.
   d. Article 2.04, paragraph B, Item 4 – Insert following:
   “c. Provide safety strip at edge of land and at bottom stair tread.”
   e. Section 09 6500 is not reissued.

5. **Section 10 2113 – Toilet Compartments**
   a. Article 2.01, paragraph A, Item 1 – Revise as follows:
   Delete reference to “Floor Anchored”
b. Article 2.01, paragraph B – Revise paragraph to read as follows:
   “B. Basis-of-Design: Design for Solid Phenolic Toilet Compartments is based on performance characteristics of Floor Anchored Compact Laminate (Solid Phenolic) Compartments, DuraLineSeries as manufactured by Bobrick Washroom Equipment, Inc.”

c. Article 2.02, paragraph B – Revise paragraph to read as follows:
   “B. Material: Solidly fused plastic laminate with matte-finish melamine surfaces; integrally bonded colored face sheets and black phenolic-resin core. with doors and pilasters minimum 3/4 inch finished thickness; and divider panels minimum 1/2 inch finished thickness.”

d. Article 2.02, paragraph B – Revise Item 1 to read as follows:

e. Article 2.02, paragraph B – Revise Item 2 to read as follows:
   “2. Edge Color: Black”

f. Section 10 2113 is not reissued.

6. **Section 28 3100 - Digital Addressable Fire Alarm And Voice Evacuation System**
   a. Article 1.04, paragraph A – Revise “Notifier” to read: “Simplex”

   b. Section 28 3100 is not reissued.

7. **Section 31 2323 – Fill**
   a. Article 1.02 – Add paragraph I as follows:
      “1. Section 07 1416 – Cold Fluid-Applied Waterproofing; prefabricated drainage composite”.

**CHANGES TO DRAWINGS:**

**CIVIL**

1. **SHEET C4.0 – UTILITY PLAN**
   a. Added retaining wall subdrain and construction notes 39 and 40

2. **SHEET C5.0 – GRADING PLAN**
   a. Adjusted top of wall elevations

3. **SHEET C6.0 – DETAIL SHEET**
   a. Added retaining wall subdrain detail

**ARCHITECTURAL**

1. **SHEET AD003 – PARTIAL SITE PLAN**
   a. Added keyed note SD28 for trees at North side of Tower.
   b. Added new keynote (E) PALM TREES, PROTECT IN PLACE.

2. **SHEET AD300 – ROOF DEMOLITION PLAN**
   a. Revised keynote E79.
3. **SHEET A005 – EXTERIOR RAMP PLANS AND SECTIONS**  
   a. Revised detail reference at S03 to 24/A005.

4. **SHEET A300 – ROOF PLAN**  
   a. Changed detail reference from 13/S501 to 1/S514.  
   b. Revised keyed note N24 to show correct reference to structural detail.

5. **SHEET A502 – BUILDING SECTIONS**  
   a. Added graphic and note describing fill material used in sections.

6. **SHEET A504 – WALL SECTIONS**  
   a. Added graphic and note describing fill material used in sections.

7. **SHEET A505 – WALL SECTIONS**  
   a. Added graphic and note describing fill material used in sections.

8. **SHEET A602 – ENLARGED LOBBY PLANS & INTERIOR ELEVATIONS**  
   a. Revised column cover detail reference to delete reference to “aluminum”.

9. **SHEET A605 – ENLARGED STAIR PLANS, SECTIONS**  
   a. Removed "Aluminum" from note.  
   b. Added note on plan views regarding locations of concrete sealer.

10. **SHEET A701 – DOOR SCHEDULE**  
    a. Door numbers 100-1 and 100-2 – Revised door frame types to HM (Hollow Metal).

11. **SHEET A703 – WINDOW SCHEDULE**  
    a. Added notation to indicate locations of roller shades on windows.

12. **SHEET A704 – WINDOW SCHEDULE**  
    a. Added notation to indicate locations of roller shades on windows.  
    b. Re-labeled glass types at window type Q, top two horizontal glass bands, From Glass Type G-3 to Glass Type G-4.

13. **SHEET A710 – FINISH SCHEDULE**  
    a. Revised various materials.  
    b. Added FRP material.

14. **SHEET A711 – COLOR SCHEDULE**  
    a. Revised various colors.

15. **SHEET A825 – MECHANICAL SCREEN WALL DETAILS**  
    a. Added detail references to 5/A825.

16. **SHEET A850 – STAIR DETAILS**  
    a. Welds added to Details 13/A850 and 14/A85.  
    b. Added Detail 18

17. **SHEET A852 – STAIR DETAILS**  
    a. Handrail bracket spacing added to Detail 1/A852.

18. **SHEET A870 – ROOF DETAILS**  
    a. Renumbered Detail 17 to Detail 13.
STRUCTURAL

1. SHEET S207 – ROOF FRAMING PLAN
   a. Removed Keynote 8 adjacent to Line A

2. SHEET S504 – PILE SECTIONS AND DETAILS
   a. Removed Note 3 in Detail 1/S504 regarding Predrilling.

ELECTRICAL

1. SHEET E002 – 277/480 VOLT SINGLE LINE DIAGRAM
   a. General Note #1 shall read:
      AIC for USS-LH, EHL, HL1A, HL2A, HL5A and DPH6 shall be 22K. AIC for sub panelboards and 120/208V panelboards on this sheet shall be 10K.

   b. Transformer between “EHL” and “EPL” shall be 30 KVA – 480V-3PH to 120/208V 3PH-4W.

   c. Delete General Notes 4, 5 and 6.

   d. Provide Transient Voltage Surge Suppressor for panels “EHL” and “EPL”.

2. SHEET E003 – 120/480 VOLT SINGLE LINE DIAGRAM
   a. General Note #1 shall read:
      AIC for USS-LP shall be 42K. AIC for distribution panels DPLB, DPL2, DPL4 and DPL6 shall be 22K. AIC for sub panelboards on this sheet shall be 10K.

   b. Delete General Notes 4, 5 and 6.

3. E010 – PANEL SCHEDULES
   a. Panel “DPLB” shall have one 125A-3P breaker at circuits 14(16,18) for sub-panel “PL1B”.

   b. Panel “DPL2” shall have one 125A-3P breaker at circuits 13(15,17) for sub-panel “PL2B” and one 125A-3P breaker at circuits 14(16,18) for sub-panel “PL3B”.

   c. Panel “DPL4” shall have one 125A-3P breaker at circuits 1(3,5) for sub-panel “PL4A”, one 125A-3P breaker at circuits 2(4,6) for sub-panel “PL5A”, one 125A-3P breaker at circuits 7(9,11) for sub-panel “ML4”, one 125A-3P breaker at circuits 8(10,12) for sub-panel “ML5”, one 125A-3P breaker at circuits 13(15,17) for sub-panel “PL4B” and one 125A-3P breaker at circuits 14(16,18) for sub-panel “PL5B”.

   d. Panel “DPL6” shall have one 125A-3P breaker at circuits 1(3,5) for sub-panel “PL6A” and one 125A-3P breaker at circuits 7(9,11) for sub-panel “ML6”.


4. SHEET ES100 – ELECTRICAL SITE PLAN
   a. Provide the following wiring for emergency generator:
      1) 1-1/4” C - 3#10 and 8#14 to automatic transfer switch for engine stop-start controls, overload shedding, engine exercising control, and monitoring.
      2) 1-1/2” C - 18#14 and 3#10 to remote engine generator annunciator panel.
3) 3/4” C - 3#12 & 1#12-Ground to panel EPL – 1, 3. Provide connections to generator lighting, receptacles, engine block heaters, alternator anti-condensation heater, fuel day tank pumps, battery charger, etc … per manufacturer's requirement.

4) 1-1/4” C - 8#10 to main fire alarm control panel for generator “run-fail-ready” monitoring and emergency “run-stop” bypass

5) 1” C - 5#10 to engine generator emergency shutdown control station.

b. Verify location of remote annunciator panel and shutdown control station with College.

5. SHEET E100 – BASEMENT AND GROUND FLOOR LIGHTING PLANS
   a. Connect all exit signs to nearest uncontrolled lighting circuit on normal power.

6. SHEET E101 – BASEMENT AND GROUND FLOOR LIGHTING PLANS
   a. Connect all exit signs to nearest uncontrolled lighting circuit on normal power.

7. SHEET E102 – BASEMENT AND GROUND FLOOR LIGHTING PLANS
   a. Connect all exit signs to nearest uncontrolled lighting circuit on normal power.

8. SHEET E103 – BASEMENT AND GROUND FLOOR LIGHTING PLANS
   a. Connect all exit signs to nearest uncontrolled lighting circuit on normal power.

9. SHEET E203 – ROOF LEVEL POWER PLAN
   a. At AH-1, homerun from AH control panel shall be 3/4”C-3#12 & 1#10-Ground to ML-6 – 1,3. Make connections to AH control panel, AH light fixtures and other AH devices per manufacturer’s requirements.

   b. At AH-2, homerun from AH control panel shall be ¾”C-3#12 & 1#10-Ground to ML-6 – 14,16. Make connections to AH control panel, AH light fixtures and other AH devices per manufacturer’s requirements.

FIRE PROTECTION

1. SHEET FP001 – FIRE PROTECTION GENERAL NOTES AND SITE PLAN
   a. Revised fire hydrant in Quad Design from existing to new per Sheet FP001 issued with this Addendum.

PRE-BID CLARIFICATIONS:

A. Pre-Bid Clarification No. 13:
   Question: Sheets S102.1 and M010 are in the plans but are not in the sheet index. Please clarify if these sheets are part of the project.

   W+W Response: Both sheets are part of Project. Sheet numbers and titles added to Sheet Index.

B. Pre-Bid Clarification No. 14:
   Question: Sheet C1.0 references details 8/C4.1 and A/C4.0 at the center of the sheet. Should the detail references be 8/C5.1 and A/C5.0 instead? Please Clarify.
K-H Response:
Confirmed.

C. Pre-Bid Clarification No. 15:
Question:
Openings 100-1 and 100-2 are indicated to have a 45 minute rating however, the frames are indicated to be aluminum per A701. Please clarify if the specified aluminum frames can achieve a 45 minute rating and if not, please add a new specification section for these frames.

W+W Response:
Doors 100-1 and 100-2 revised to be 45 minute rated hollowmetal doors and frames, similar in appearance to Doors 100-3 and 100-4.

D. Pre-Bid Clarification No. 16:
Question:
Please provide a specification section for the FRP (e.g. room 311 on A710, etc).

W+W Response:
Refer to Section 06 8300 – Fiberglass Reinforced Paneling, issued with this Addendum.

E. Pre-Bid Clarification No. 17:
Question:
Please provide a specification section for the equipment screen walls shown in 1 & 5/A825.

W+W Response:
Refer to Section 05 5000 – Metal Fabrications, as modified by this Addendum, for equipment screen support framing, and Section 08 9000 – Louvers for Louver system.

F. Pre-Bid Clarification No. 18:
Question:
Please clarify where spec section 12 2413 - Roller Shades applies to this project.

W+W Response:
Locations added per keynotes at window types on Drawings A702, A703, and A704.

G. Pre-Bid Clarification No. 19:
Question:
We cannot locate a HVAC control / BMS spec (e.g. M009, etc). Please clarify.

PEI Response:
See Addendum 4 for Specification Section 23 0923 – “Direct Digital Control System for HVAC”

H. Pre-Bid Clarification No. 20:
Question:
Please provide commissioning specifications and confirm the commissioning agent shall be by the Owner as required.

Response: District to Advise.
I. **Pre-Bid Clarification No. 21:**
   **Question:**
   Please clarify the language in article 1.04A on page 1 of section 01 4500 Quality Control. It appears to be grammatically incorrect so perhaps there is some verbiage regarding contractor deficiency missing. However, it currently appears to state that all items in sub-sections 1 through 6 (on the top of page 2) are chargeable to the Contractor via a deductive change order. This type of deductive change order is not industry standard unless the cost is as a result of a deficiency by the Contractor. Please clarify. If the language is to remain unchanged, please consider adding an allowance for the cost associated with 1.04A 1-6 since it is unknown by the Contractor what the District's cost for such inspections will be.
   **W+W Response:**
   Refer to Section 01 4500, Article 1.04 A, revised by this Addendum.

J. **Pre-Bid Clarification No. 22:**
   **Question:**
   Please clarify where the concrete sealer in spec section 03 3000 paragraph 2.01J applies to this project.
   **W+W Response:**
   Locations to receive concrete sealer added to Finish Schedule on Drawings.

K. **Pre-Bid Clarification No. 23:**
   **Question:**
   The diagonal bracing shown at Keynote N24 on sheet A300 references detail 13/S501. This detail shows a concrete pile cap. Please specify the detail that should be referenced for keynote N24.
   **IDS Response:**
   Revise reference in architectural sheet A300: New diagonal bracing for screen walls is shown at 1/S514.

L. **Pre-Bid Clarification No. 24:**
   **Question:**
   Please confirm that the $30.00 per sheet as it pertains to CAD files noted on page 10 of section 01 3300 applies to this project?
   **W+W Response:**
   Yes, only when specific individual sheets are required.

M. **Pre-Bid Clarification No. 25:**
   **Question:**
   Please confirm that Abatement is now part of this contract (per Addendum #3). There appears to be a discrepancy because Articles 1.4A-1 and 2 and 1.08 in Section 01 1100 were not amended and both state that abatement is by others.
   **Response: District to Advise.**

N. **Pre-Bid Clarification No. 26:**
   **Question:**
   Please clarify where the intumescent fireproofing is required to be used on this project.
W+W Response:
Refer to Addendum 4, Response to Item D – “Disregard, Fireproofing is not required”

O. Pre-Bid Clarification No. 27:
Question:
Article 10.2.11 on page 152 of the Bidding Documents states that the contractor shall provide security “… at the District’s sole discretion.” Please specify what the District requirements are so that the costs can be included in the bid.

Response: District to Advise.

P. Pre-Bid Clarification No. 28:
Question:
In regards to article 10.2.6 on page 151 of the Bidding Documents, please confirm that the project can be constructed using normal working hours or identify specifically what work needs to be performed during off hours.

Response: District to Advise.

Q. Pre-Bid Clarification No. 29:
Question:
See note 2 on the structural framing plans. Do the construction documents show all required existing items that interfere with the alteration work shown on these drawings being brought up to current code? If not, will the cost of such requirements be expended from the unforeseen allowance? The contractors haven’t had as much time with the documents to determine what scope if required would be required based on such note.

IDS Response:
No – Contractor must review existing drawings and perform complete survey of existing conditions to identify possible interference with construction work. Refer to General Notes, Construction Sequence section.
PM to respond to cost allowance question.

R. Pre-Bid Clarification No. 30:
Question:
The acoustical grid in the basement as shown on AD100 and A200 shall remain. However, due to the amount of work required per 1/M100, its likely the grid will need to be removed and replaced. We respectfully request that the acoustical grid be shown to be removed and replaced. If it is not, can the Owner allowance be used to replace the grid?

W+W Response:
This is part of Contractor’s “Means and Methods”

S. Pre-Bid Clarification No. 31:
Question:
Please clarify how spec section 32 3300 - Site Furnishings applies to the project. The spec states there are concrete benches in the project but no concrete benches are shown on the drawings.

W+W Response:
Concrete bench locations are indicated on Drawings – Sheets A401 and A402
T. Pre-Bid Clarification No. 32:
Question:
Per sheet PP-1 directly north and south of the L Tower there are existing palm trees we are to protect in place. But, on sheet AD003 keynote SD26 states these trees are to be removed and replaced. Please clarify which sheet we are to follow.

W+W Response:
Protect existing Palm trees in place per Sheet PP-1. Revised keynote on AD-003.

U. Pre-Bid Clarification No. 33:
Question:
Note 5 on sheet F001 states, “Provide approved fire lane signs or other approved notices or markings ... .”
No exact number of signs are given in this note. Please specify how many of these fire lane signs are needed.

W+W Response:
Signs as required by Local Fire Authority – approximately 150 feet on center.

V. Pre-Bid Clarification No. 34:
Question:
Please provide a list of approved Garland Roof applicators.

Response: District to Advise.

W. Pre-Bid Clarification No. 35:
Question:
From Spec Section 31 6329:
1.) Please clarify items (1) and (a) from paragraph 1.03 D.
2.) From paragraph 1.03 E, please clarify that “Trial Drilled Pier” is/are not required. If required; please explain procedure and requirements.

IDS Response:
1. Specifications of ACI 336.1 will be applicable to piles in this project.
2. Trial Drilled piles are required. Procedure is clearly explained in Section 31 6329, Article 1.03, paragraph E

X. Pre-Bid Clarification No. 36:
Question:
From note 3 of drawing S504 please clarify “pdrilling”.

IDS Response:
Disregard Note 3. No predrilling is required according to geotechnical engineer.

Y. Pre-Bid Clarification No. 37:
Question:
Please provide a shoring plan that shows the extent of the site that needs to be retained in order to excavate for the footings along the perimeter of the basement.

W+W Response:
This is part of Contractor’s “Means and Methods”
Z. **Pre-Bid Clarification No. 38:**
   Question:
   Please confirm that we may abandon the balance of the temporary shoring in the ground if we remove the top 3' below grade.

   **W+W Response:**
   This is part of Contractor's “Means and Methods”

AA. **Pre-Bid Clarification No. 39:**
   Question:
   Regarding detail1/AD300, does note D75 apply to the roof level? Because of all of the roof modifications, it seems more practical to remove all of the roof level roofing and provide new.

   **W+W Response:**
   This is part of Contractor's “Means and Methods”

AB. **Pre-Bid Clarification No. 40:**
   Question:
   Is it possible to get a copy of the Asbuilt drawings?

   **W+W Response:**
   As-Built Drawings are available to bidders on District website.

AC. **Pre-Bid Clarification No. 41:**
   Question:
   Regarding detail 5/A504, please clarify material between the new and existing concrete that is squared or cubed.

   **IDS Response:**
   No structural requirement for fill material. At Contractor's option, space may be void or filled with dirt, slurry, or compressive material used as form to cast new concrete wall.

AD. **Pre-Bid Clarification No. 42:**
   Question:
   Regarding detail1/S207, there is a keynote 8 on grid line 0.9A and between 19A and 19.5. But, the keynotes legend does not specify what keynote 8 is.

   **IDS Response:**
   Keynote 8 shows diagonal braces below roof.

AE. **Pre-Bid Clarification No. 43:**
   Question:
   Regarding detail A/C5.0 Note 4 Retaining Wall: Is waterproofing required behind this retaining wall?

   **W+W Response:**
   Waterproofing is not required.

AF. **Pre-Bid Clarification No. 44:**
   Question:
   Regarding specification 03 3930 - Epoxy -Injection Crack Repair: Can we provide a lineal foot allowance for bidding purposes?
Response: District to Advise.

AG. **Pre-Bid Clarification No. 45:**

**Question:**
Sheet A870 has two detail 17's. Please clarify which detail is to be used.

**W+W Response:**
Revised Aluminum Panel Guardrail detail to No. 13.

AH. **Pre-Bid Clarification No. 46:**

**Question:**
Regarding sheet C4.0: Please confirm that the Color Pavement that gets removed and replaced for the new water line is from joint to joint.

**K-H Response:**
Confirmed – Color Pavement to be replaced joint-to-joint.

AI. **Pre-Bid Clarification No. 47:**

**Question:**
Roof Equipment screen detail 1/A825: Does the existing roof and lightweight concrete get removed at the new roof equipment screen base plates?

**W+W Response:**
Yes.

AJ. **Pre-Bid Clarification No. 48:**

**Question:**
Spec Section 05 0513 has a related spec section 08 5113 - Aluminum windows. This Aluminum windows spec section is not found in the specs. Please provide this spec.

**W+W Response:**
Disregard – No aluminum windows on Project.

AK. **Pre-Bid Clarification No. 49:**

**Question:**
Please confirm that the existing elevators are updated with all of the proper permits for use by the contractor during construction.

**W+W Response:**
Verify with District. Existing elevators are to be removed during construction.

AL. **Pre-Bid Clarification No. 50:**

**Question:**
Sheet AD300, keynote E79 states "remove and relocate existing roof drain." Should this keynote be D79 instead of E79?

**W+W Response:**
Revise keynote E79 to “remove and replace” existing roof drain. Refer to keynote D48.

AM. **Pre-Bid Clarification No. 51:**

**Question:**
Regarding detail 10/S509, at the sawcut areas, 2-hour flexible seal is to be used. Please provide a spec section for the 2-hour flexible seal.
IDS Response:
Flexible material should be “EMSEAL OR APPROVED EQUAL” as indicated on Detail. There is no specifications.

AN. Pre-Bid Clarification No. 52:
Question:
Per the finish schedule on sheet A710, Stair # 1 is to have porcelain tile. Please clarify if the tile will be used on the landings or the stair treads.

W+W Response:
Porcelain tile at floor landings only.

AO. Pre-Bid Clarification No. 53:
Question:
Please clarify if all the inside handrails of stairs 1 and 2 on sheets A604 and A605 are to be stainless steel and if all the outside handrails of stairs 1 and 2 are to be steel pipe.

W+W Response:
Gripping part of handrails are stainless steel. Guardrails are steel mechanical tubing per Sheets A850 through A852.

AP. Pre-Bid Clarification No. 54:
Question:
Please clarify if all restroom walls are to be tiled.

W+W Response:
Yes.

AQ. Pre-Bid Clarification No. 55:
Question:
Which porcelain tile material is to be used for stair #1?

W+W Response:
Same as indicated for Elevator Lobby.

AR. Pre-Bid Clarification No. 56:
Question:
Detail20/A602 shows an aluminum column cover. But, the detail for the column cover (detail 16/A820) shows the column cover is stainless steel. Please clarify.

W+W Response:
Refer to Specification Section 05 5813 – Column Covers. Column Covers are specified to be stainless steel.

AS. Pre-Bid Clarification No. 57:
Question:
At detail 6/A605, the landing on the second floor of stair # 2 specifies a 2” light weight concrete floor. But at detail 5/A605 the landing on the fourth floor of stair # 2 specifies a concrete fill floor. Is the concrete at these stairs to be lightweight or regular concrete for the landings and steps? Please clarify.

W+W Response:
Yes – lightweight concrete at stair treads and intermediate landings. Refer to structural drawings for floor fill at main landings.
AT. Pre-Bid Clarification No. 58:
Question:
Keynote S03 on sheet A005 references detail 24/A006. But, this detail is not found on sheet A006. Please provide this detail.

W+&W Response:
Revise detail reference at S03 to 24/A005.

AU. Pre-Bid Clarification No. 59:
Question:
Article 4.3.4 on page 94 of the General Conditions states the Contractor shall provide the Inspector with temporary facilities as required. No further information is provided in Division 1. Please clarify what we are to provide including office equipment/supplies if any.

Response: District to Advise.

AV. Pre-Bid Clarification No. 60:
Question:
On sheet S513 detail 3, there is no FRP Shear Strengthening Schedule for the Concrete Beams. The only schedule currently displayed for Concrete Beams is Moment Strengthening Type I and Moment Strengthening Type II. The FRP Shear Strengthening Schedule is needed for HJ3 to design the correct number of FRP layers and strip sizes.

IDS Response:
Refer to Drawings issued with Addendum 4.

AW. Pre-Bid Clarification No. 61:
Not Submitted.

AX. Pre-Bid Clarification No. 62:
Question:
Please clarify the fire alarm manufacturer to be used on the project. Drawing sheet E404 notes simplex while specification section 28 3100 item 1.04 indicates Notifier.

FBA Response:
Fire Alarm system shall be Simplex to match the campus standards and as indicated on the drawings.

AY. Pre-Bid Clarification No. 63:
Question:
On the east and west side of the exterior of the building there are ceramic tiles that were not noted in the report. Please advise if these exterior tiles are to be abated.

Response: District to Advise.

AZ. Pre-Bid Clarification No. 64:
Question:
Civil drawing sheet C4.0 calls out for new fire hydrant note 25 to be installed inside the existing student quad. However sheet FP001 detail 2 appears to show the fire hydrant as existing. Please advise if the new hydrant is required at the quad.

W+&W Response:
Fire Hydrant is new per note 25 on C4.0. Revised note on Detal 1, Sheet FP-001.
BA.  **Pre-Bid Clarification No. 65:**

**Question:**
The color schedule on sheet A711 has a few items with conflicting manufacturers. The following items in the color schedule have a different manufacturer than the one specified in there spec section:

1.) Spec Section 07 4243 - Alum. Composite Panels: Per specs manuf. is Firestone, but per color schedule manuf. is Reynobond(Alcoa Architectural).

**W+W Response:**
Manufacturer revised to AlumaCraft by Quality Metalcraft, LLC using Reynobond material.

2.) Spec Section 09 6500 - VCT: Per specs manuf. is Armstrong, but per color schedule manuf. is Johnsonite.

**W+W Response:**
Refer to revisions to Section 09 6500, as referenced per Item 4 under “Changes to Specifications by Description” in this addendum.

3.) Spec Section 09 3000 - Tile: Per specs manuf. is Daltile everywhere, but per color schedule the walls have crossville and floors have daltile.

**W+W Response:**
Refer to revised Tile Specification Section 09 3000 issued with this Addendum.

4.) Spec Section 10 2113 - Toilet Partitions: Per specs manuf. is Accurate partitions, but per color schedule manuf. is Panolam. Please specify which manufacturer we are to use for the above items.

**W+W Response:**
Refer to revisions to Section 10 2113, as referenced per Item 5 under “Changes to Specifications by Description” in this addendum.

BB.  **Pre-Bid Clarification No. 66:**

**Question:**
The drawings callout to remove existing brick veneer and ceramic tile to concrete wall and to “patch and repair wall as required”. As there is no way to properly quantify this repair work, please add an allowance for this work as there is a substantial amount of repair that will be required at the exterior and all the way to the 5th floor.

**W+W Response:**
Refer to keynote D26. Where demolition exposes reinforcing steel in existing wall, patch and repair is required.

BC.  **Pre-Bid Clarification No. 67:**

**Question:**
A1. Ref. A604. We assume the center handrail is similar in construction to the stair mounted handrail per detail 9/A850. How does the center handrail attach to the existing stairs?
W+W Response:
Core drill concrete and install posts using specified non-shrink grout per Detail 18/A850.

Question:
B1. Ref. 5/A604; Detail 13/A852 is called out at the ground floor. There is no such detail on sheet A852. Please advise.

W+W Response:
Added Detail Title and number to Sheet A852.

Question:
B2. Ref. 13/A850 (and others); #10x3/4" dia. Simpson "XE Exterior" metal screws with 3" embedment (ICC ESR-2713) are called out. Please clarify the anchor diameter.

W+W Response:
Anchor diameter is 3/4 inch

Question:
C1. Ref. 3/A850; Detail 18 is called out at the end handrail post to the Basement slab connection. There is no detail 18 on sheet A850. Please advise.

W+W Response:
Detail 18/A850 added to Sheet A850.

Question:
C2. Ref. 5,9, 13 & 14/A850; How does the 1 1/2" x 3/4" steel bar attach to the 10" x 3/8" steel plate?

W+W Response:
Welded – 3/16 inch continuous fillet weld.

Question:
C3. Ref. 5,9,13 & 14/A850; How do the double 2"x3/8" steel bar stanchions attach to the 1 1/2"x3/4" steel bar?

W+W Response:
Welded.

Question:
C4. Ref. 1/A852; What is the spacing of the brackets at the wall mounted handrail?

W+W Response:
5 feet, 0 inches on center maximum.

ATTACHMENTS:

Following specification sections are part of Addendum 6

Specifications:

06 8300, 09 3000, and 09 6516

Following revised previously issued Drawings, dated 9/21/2016, are part of Addendum 6. Drawings are 30 inches x 42 inches:
Civil Drawings:
C4.0, C5.0, and C6.0

Architectural Drawings:
AD003, AD300, A005, A300, A502, A504, A505, A602, A605, A701, A703, A704, A710, A711, A825, A850, A852, and A870

Structural Drawings:
S207 and S504

Electrical Drawings:
E002, E003, E010, ES100, E100, E101, E102, E103, and E203

Fire Protection Drawings:
FP001
END OF ADDENDUM 6
SECTION 06 8300

FIBERGLASS REINFORCED PANELS

PART 1 – GENERAL

1.01 SUMMARY

A. Section Includes:
   1. Fiberglass reinforces wall paneling, including accessory trim.

B. Related Sections:
   1. Section 07 9200: Joint Sealants
   2. Section 09 2900: Gypsum Board

1.02 REFERENCES

A. ASTM International (ASTM):

B. South Coast Air Quality Management District (SCAQMD):
   1. Rule 1168 – Adhesive and Sealant Applications

1.03 SUBMITTALS

A. Samples for Initial Selection: Manufacturer’s actual product showing full range of colors and textures available.

B. Samples for Verification: Minimum of four, 4 inch square panel samples and 6 inch long trim samples in color and texture specified and scheduled.

PART 2 – PRODUCTS

2.01 MANUFACTURER

A. Subject to compliance with specified requirements, provide products of following, or approved equal:
   1. Fire-X Glasbord; Crane Composites
   2. Marlite; Class A; Marlite

2.02 MATERIALS

A. Panels: Fiberglass reinforced resin panel, 0.090 inch thick
   1. USDA and FDA accepted for food processing and storage
   2. Textured surface one side

B. Fire-Test-Response Characteristics: ASTM E 84, Class A.
C. Adhesive: Non-flammable water resistant type recommended by panel manufacturer.
   1. Use adhesive materials complying with SCAQMD Rule 1168 for VOC content.

D. Trim: Panel manufacturer’s standard vinyl moldings in color matching panel
   1. Inside corner with cove
   2. J-cap for exposed edges
   3. H-shaped divider, where required.

PART 3 – EXECUTION

3.01 INSTALLATION

A. Adhesive apply panels and trim following manufacturer’s instructions.
   1. Provide trim at edges and joints.
   2. No horizontal joints.
   3. Seal joints with silicone sealant.
      a. Comply with requirements of Section 07 9200.

B. Clean panels and trim after installation using cleaning materials and methods recommended by panel manufacturer.

END OF SECTION 06 8300
SECTION 09 3000
TILE

PART 1 – GENERAL

1.01 SUMMARY

A. Section Includes:
   1. Porcelain tile.
   2. Crack isolation and waterproofing membranes for tile.
   3. Thin set beds for floor and wall tile.

B. Related Sections:
   1. Section 03 3000: Cast-In-Place Concrete.
   2. Section 07 9200: Joint Sealants; horizontal control, contraction, and expansion joints.
   3. Section 09 2900: Gypsum Board; cementitious tile backer board.
   4. Section 09 6500: Resilient Flooring.
   5. Section 09 9515: Resilient Sheet Flooring.
   6. Section 09 6800: Carpet.

1.02 REFERENCES


B. ASTM International (ASTM):
   1. ASTM A 185 – Steel Welded Wire Fabric, Plain, for Concrete Reinforcement.
   2. ASTM C 144 – Aggregate for Masonry Mortar.
   4. ASTM C-144 – Sand.
   6. ASTM C-206 or C 207 – Hydrated Lime for Masonry Purposes.
   7. ASTM C 645 – Nonstructural Steel Framing Members.

C. American National Standards Institute, Inc. (ANSI):
   1. ANSI A108 Series and ANSI A118 Series Standards for Installation of Ceramic Tile, including grouting.
   2. ANSI A137.1 – Standard Specifications for Ceramic Tile.

D. Tile Council of North America (TCNA):
1.03 QUALITY ASSURANCE

A. Laboratory Testing: Tile shall be tested for compliance with ASTM C 1028 by a testing laboratory approved by DSA.

B. Qualifications of Tile Manufacturer: Company specializing in ceramic tile, mosaics, pavers, trim units, and thresholds with five years minimum experience. Obtain tile from a single source with resources to provide products of consistent quality in appearance and physical properties.

C. Qualification of Installation System Manufacturer: Company specializing in installation systems/ mortars, grouts/ adhesives with ten years minimum experience. Obtain products from single source manufacturer to insure consistent quality and compatibility.

D. Qualifications of Installer: Company specializing in installation of ceramic tile, mosaics, pavers, trim units and thresholds with five years experience with installations of similar scope, materials, and design.

E. Pre-Installation Meetings:
   1. Prior to start of Work and after approval of submittals, schedule on-site meeting with Contractor, Owner, Architect, Project Inspector, and representatives of material manufacturer and tile installer:
      a. Review construction conditions and Drawings for conformance with requirements of this specification for each substrate.
   2. Prior to setting tile and after surfaces to receive tile are installed, schedule an on-site meeting with Contractor, Owner, Architect, Project Inspector, and representatives of material manufacturer and tile installer:
      a. Review tile, tile installation materials, and finishing equipment for conformance with requirements of this specification.

1.04 SUBMITTALS

A. Product Data: Manufacturer's data, standard specifications, and other technical information for each product specified.

B. Material Samples: Manufacturer’s standard palette, indicating full range of tile colors, textures, and grout colors.

C. Mock-Ups: For each type, color, and texture, minimum 12 inch x 12 inch or three full tile courses, on plywood or hardboard to demonstrate proper bond mortar and coverage; grout color, hardness and depth.

D. Installation Instructions: Manufacturer's preparation and installation instructions.

E. Certificates:
   1. Manufacturer's certification that grout materials being provided are suitable for intended use, meet or exceed referenced standards.
   2. DCOF AcuTest friction test reports for floor tile.
1.05 PROJECT CONDITIONS

A. Maintain environmental conditions and protect work during and after installation to comply with referenced standards and manufacturer’s printed recommendations.

B. Maintain temperatures at not less than 50 degrees F in tiled areas during installation and for 7 days after completion, unless higher temperatures are required by referenced installation standard or manufacturer's instructions.

C. Shade work area from direct sunlight during installation as needed to prevent rapid evaporation caused by excessive heat.

D. Observe manufacturer’s recommended safety precautions, including those pertaining to ventilation.

E. Illuminate work area during installation, providing same level and angle of illumination as will be available for final inspection.

F. Protection:
   1. Protect adjacent surfaces during progress of Work of this Section.
   2. Close rooms and spaces to traffic until mortar and grout have set for 72 hours.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store packaged materials in original containers with seals unbroken and labels intact until time of use.
   1. Comply with requirements of ANSI A137.1 for labeling sealed tile packages.

B. Prevent damage or contamination to materials by water, foreign matter, and other causes.

C. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.07 REGULATORY REQUIREMENTS

A. Comply with requirements of 2013 California Building Code and Chapter 11B

B. Comply with applicable parts of following codes or standards as minimum requirement:
   1. ANSI A108.
   2. ANSI A118.
   3. ANSI A137.1, Section 9.6 – DCOF AcuTest.

1.08 MAINTENANCE

A. Extra Materials: Provide minimum of 5 percent of each type and color of tile and accessory shapes, from same run or lot as installed tile, in manufacturers' cartons and labeled.

1.09 WARRANTY

A. Manufacturer shall provide 5-year material warranty.
B. Installer shall provide 5-year labor warranty.

C. For crack isolation and waterproofing membrane, manufacturer shall provide a 10-year material warranty for crack isolation membrane installation, tile setting, and grouting materials.

PART 2 - PRODUCTS

2.01 PRODUCTS – GENERAL

A. Comply with ANSI A137.1 for types, compositions, and grades of tile indicated.
   1. Furnish tile complying with "Standard Grade" requirements unless otherwise indicated.

B. Comply with ANSI standard referenced with products and materials indicated for setting and grouting.

C. Dynamic Coefficient of Friction (DCOF): Provide floor tiles with coefficient of friction equal to or greater than 0.42 when tested in accordance with provisions of ANSI A137.1, Section 9.6 – DCOF AcuTest.

D. Condition of Surfaces to Receive Tile:
   1. Verify that surfaces to receive mortar setting bed and tile are firm, dry, clean, and free from oily or waxy films and curing compounds.

2.02 TILE PRODUCTS

A. Porcelain Floor Tile: TT-1
   1. Light Polished Porcelain Floor Tile
   2. Face Size: Nominal 24 inches by 48 inches (23-7/16 inches by 47 inches)
   3. Nominal Thickness: 3/8 inch
   4. Surface/Texture: Light Polished
   7. Staggered joint pattern.

B. Porcelain Floor Tile: TT-2
   1. Unpolished Porcelain Floor Tile
   2. Face Size: Nominal 12 inches by 12 inches. (11-3/4 inches by 11-3/4 inches)
   3. Nominal Thickness: 3/8 inch
   4. Surface/Texture: Unpolished

C. Porcelain Tile Side Wall Base: TT-3
   1. Bullnose Trim for Tile TT-1: Daltile S-43F9
   2. Face Size: Nominal 3 inches by 24 inches.
   3. Surface/Texture: Light Polished
D. Porcelain Tile Coved Base: **TT-4**
   1. Unpolished Base for Floor Tile TT-2
   2. Face Size: Nominal 6 inches by 12 inches (150 mm by 297 mm).
   3. Nominal Thickness: 10 mm
   4. Surface/Texture: Unpolished (UPS)
   5. Color: Frost AV241
   6. Manufacturer: Shades Porcelain Stone by Crossville, Inc.

E. Porcelain Wall Tile: **CT-1**
   1. Unpolished Porcelain Wall Tile
   2. Face Size: Nominal 24 inches by 48 inches (23-7/16 inches by 47 inches).
   3. Nominal Thickness: 3/8 inch
   4. Surface/Texture: Unpolished

F. Porcelain Wall Tile: **CT-2**
   1. Semi-Polished Porcelain Wall Tile – Field
   2. Face Size: Nominal 12 inches by 24 inches (297 mm by 597 mm).
   3. Nominal Thickness: 10.5 mm
   4. Surface/Texture: Honed (HON)
   5. Color: Frost AV241
   6. Manufacturer: Shades Porcelain Stone by Crossville, Inc.

G. Porcelain Wall Tile: **CT-3**
   1. Semi-Polished Porcelain Wall Tile – Accent 1
   2. Face Size: Nominal 6 inches by 24 inches (147 mm by 597 mm).
   3. Nominal Thickness: 10.5 mm
   4. Surface/Texture: Honed (HON)
   5. Color: Frost AV241
   6. Manufacturer: Shades Porcelain Stone by Crossville, Inc.

H. Porcelain Wall Tile: **CT-4**
   1. Semi-Polished Porcelain Wall Tile – Accent 2
   2. Face Size: Nominal 6 inches by 24 inches (147 mm by 597 mm).
   3. Nominal Thickness: 10.5 mm
   4. Surface/Texture: Honed (HON)
   5. Color: Fog AV243
   6. Manufacturer: Shades Porcelain Stone by Crossville, Inc.

I. Porcelain Wall Tile: **CT-5**
   1. Semi-Polished Porcelain Wall Tile – Accent 3
   2. Face Size: Nominal 6 inches by 24 inches (147 mm by 597 mm).
   3. Nominal Thickness: 10.5 mm
   4. Surface/Texture: Honed (HON)
   5. Color: Clay AV245
   6. Manufacturer: Shades Porcelain Stone by Crossville, Inc.

J. Bullnose Trim for Tiles CT-2, CT-3, CT-4, and CT-5:
   1. Face Size: Nominal 4 inches by 24 inches (96 mm by 597 mm).
   2. Nominal Thickness: 10.5 mm
   3. Surface/Texture: Honed (HON)
4. Color: Frost AV241
5. Manufacturer: Shades Porcelain Stone by Crossville, Inc.

2.03 INSTALLATION MATERIALS

A. Mortar Sand: ASTM C 144.

B. Portland Cement: ASTM C 150, Type I or II.

C. Hydrated Lime: ASTM C 207, Type S; or ASTM C 206.

D. Portland Cement Mortar: ANSI 108.1B

E. Waterproof Membrane:
   1. Cold-applied laminated CPE composite waterproofing membrane for thin-set tile setting application of latex-modified mortar and grout.
   2. Install waterproof membrane over concrete slab in accordance with TCNA Method F122 at upper floor rooms scheduled to have tile. Liquid products will not be permitted.
   3. Products: NobleSeal TS Membrane Waterproofing System by Nobel Company, or approved equal. Liquid products will not be permitted.

F. Cleavage Membrane:
   1. Sheet membrane product specifically manufactured for use in thin-set tile installations at slab-on-grade conditions as a crack isolation sheet to prevent cracks in concrete slab from telegraphing through to tile.
   2. Install cleavage membrane over cured mortar bed in accordance with TCNA Method F122 at Ground Level (slab-on-grade) rooms scheduled to have tile. Liquid products will not be permitted.
   3. NobleSeal® TS or CIS Membrane by Noble Company, or approved equal. Liquid products will not be permitted.


I. Latex Portland Cement Bond Mortar: Laticrete 317 Floor & Wall Thinset gauged with Laticrete 3701 Admix, or Custom Building Products Master Blend mixed with Acrylic Mortar Admix.

J. Latex Portland Cement Bond Mortar over Waterproof Membrane: Laticrete 317 Floor & Wall Thinset gauged with Laticrete 3701 Admix.

K. Latex Portland Cement Grout: Laticrete Sanded Grout (1500 Series) or Unsanded Grout (1600 Series, for joints smaller than 1/8”).

L. Epoxy Grout for Floors: Laticrete SP-100 Stainless Epoxy Grout for Floors and Walls (Series 700).
M. Separation Material (for all caulked joints including perimeters and quarry-tile fields of floor mortar beds): Quality Foam, QF 200 white, 3/8" wide x 5" high.

N. Backer Rod for sealants (for ceramic mosaic fields): Polyethylene foam, closed-cell, flexible and compressible, 3/16" diameter.

O. Cleaner and Sealer:
   1. Cleaner and sealer shall be from one manufacturer, acceptable to tile and grout manufacturers.
      a. To establish quality, the Specification is based on Aqua Mix Inc. Equivalent products from Miracle Sealants Co. or Watco Tile and Brick may be provided.
   2. Cleaner: Aqua Mix Concentrated Tile Cleaner, neutral phosphate-free cleaner, or Custom Building Products Tile Lab Concentrated Tile/Stone Cleaner.
   3. Sealer: Aqua Mix Penetrating Sealer, fungus and bacteria resistant, stain and slip-resistant as specified for tile, or Custom Building Products Tile Lab Surface Gard.

P. Sealant:
   1. Sealant and primer shall be from one manufacturer, acceptable to tile and grout manufacturers.
      a. Refer to Section 07 9200.

2.04 SOURCE QUALITY CONTROL

A. Source of Materials: Provide materials obtained from one source for each type and color of tile, grout, and setting materials.

PART 3 - EXECUTION

3.01 EXAMINATION AND PREPARATION

A. Examine substrates, areas, and conditions where tile will be installed for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile.
   1. Verify that vents, drains, piping, and other projections through substrate have been installed.
   2. Proceed with Work only after conditions are in compliance.

B. Verify that substrates for setting tile are firm; dry, clean and within flatness tolerances required by relevant ANSI A108 tile installation standards.
   1. Prepare surfaces as follows:
      a. Concrete Floors: Allow concrete floors to cure for 28 days minimum before beginning tile and grout installation.
         1) Remove laitance, sand, dust, and loose particles with air blast.
         2) Where coatings remain, including curing compounds and other substances that contain soap, wax, oil, or silicone and are incompatible with tile-setting materials, remove them by using terrazzo or concrete grinder, drum sander, polishing machine equipped with heavy-duty wire brush, or shot-blast system.
      b. Cleavage Membrane:
         1) No. 15 asphalt saturated felt, ASTM D226, Type 1.
Polyethylene film, ASTM D4397, 4.0 mil thickness.

C. Substrates to receive wall tile and base shall be:
   1. Scratch coat of cement plaster, as specified in Section 09 2400.
   2. Cementitious backing panels, as specified in Section 09 2900.

D. Verify that installation of grounds, anchors, recessed frames, electrical and mechanical items of Work, and similar items located in or behind tile have been completed before installing tile.

E. Verify that joints and cracks in tile substrates are coordinated with tile caulked joint locations
   1. Where not coordinated, adjust as required by Architect.

F. Do not install tile until construction in spaces is completed and ambient temperature and humidity conditions are being maintained to comply with referenced standards and manufacturer’s written instructions.

G. Protect adjacent surfaces during progress of the Work of this section.

3.02 TILE INSTALLATION, GENERAL

A. Install tile in grid pattern, unless otherwise indicated. Align joints when adjoining tiles on floor, base, walls, and trim are the same size. Lay out Work and center tile fields in both directions in each space or on each wall area. Adjust to minimize tile cutting. Provide uniform joint widths, unless otherwise indicated.

B. For tile mounted in sheets, install joints between tile sheets the same width as joints within tile sheets so joints between sheets are not apparent in finished Work.

C. Extend Work into recesses and under or behind equipment and fixtures to form a complete covering without interruptions, unless otherwise indicated. Terminate Work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.

D. Accurately form intersections and returns. Perform cutting and drilling of tile without marring visible surfaces. Carefully grind cut edges of tile abutting trim, finish, or built-in items for straight aligned joints. Fit tile closely to electrical outlets, piping, fixtures, and other penetrations so plates, collars, or covers overlap tile.

E. Locate expansion, control, contraction or isolation joints and other sealant-filled joints, directly above joints in concrete substrates, at horizontal and vertical changes in plane, or where indicated during installation of mortar beds. In quarry tile floors, provide at 12 feet on center maximum. Use foam to provide 3/8-inch width. Do not saw-cut joints after installing tiles.

F. Prepare and clean joints to receive sealant, and apply sealants to comply with requirements of Section 07 9200.

G. Conform to manufacturers printed instructions, and applicable requirements of ANSI and TCNA Standards.
3.03 TILE INSTALLATION – FLOOR

A. Install reinforcing and latex Portland-cement mortar setting bed over cured concrete slab or cleavage membrane on concrete floor.
   1. Lap reinforcing at least one full mesh, and support or lift so that it is approximately in the middle of mortar bed. Do not abut against vertical surfaces. Install foam separation material at perimeters and expansion joint locations for caulked joints.

B. Mix setting mortar in accordance with ANSI A.108.1a.2.2.

C. Once begun, mortar installation must continue until room is completely filled. Discard batch not floated and finished within 1/2 hour of mixing. Firmly compact before screeding. Screed to true plane and pitch as indicated. Slope mortar bed sufficiently that water flows to drain and no puddling will occur. Slope mortar down to floor drains for proper installation of waterproof membrane. After screeding, firmly rub down with steel or wood float.

D. Cure mortar bed with light fog spray of water and cover with 6 mil polyethylene for 72 hours.

E. Install tile over properly cured setting bed or waterproof membrane utilizing "thin-set" method with latex Portland cement bond mortar, in accordance with manufacturer's printed instructions and ANSI A108.5. Confirm substrate is completely clean and free of dust. Cut foam at floor perimeters flush with top of mortar bed. Insure that bond coats do not intrude into joints to be caulked.

F. Minimum coverage of bond mortar shall be 80% except 95% in shower areas, for quarry tile, and exterior installations. Place tile into fresh mortar and move and press or beat in tile to insure full contact. Before setting proceeds, set and remove three tiles or sheets of tiles to confirm specified coverage of bond mortar. If coverage is insufficient, utilize a larger toothed trowel or back butter tiles until proper coverage is provided.

G. Install tile on floors with the following joint widths:
   1. Ceramic Mosaic Tile: 1/16 to 1/8 inch.

3.04 TILE INSTALLATION, WALLS

A. Install wall mortar beds before floor mortar beds.

B. On plaster walls, clean scratch coat surface of loose or foreign materials, fog spray with water, and install brown coat mortar bed over scratch coat to a thickness not less than 3/8" and not greater than 3/4 inch. Once started, wall mortar installation must continue until wall is completely floated. Discard any batch not floated and finished within 1/2 hour of mixing. As soon as wall mortar is dried to sufficient hardness but still in a plastic condition, firmly rub down with wood float and scribe all plane interfaces the full depth.

C. Cover cure with 40 weight Kraft paper for 72 hours minimum.
D. Install tile over properly cured setting bed, utilizing "thin-set" method with latex Portland cement bond mortar, in accordance with manufacturer's printed instructions and ANSI A108.5. Confirm substrate is completely clean and free of dust. Insure that bond coats do not intrude into joints to receive sealant.

E. Minimum coverage of bond mortar shall be 80 percent except 95 percent in shower areas or exterior installations. Set and test as specified for floors.

F. Lay out the Work so tiles will be centered on each wall or section of wall in order to minimize tile cuts. Lay out tile wainscots to next full tile beyond dimensions indicated. Spot setting bed with mortared tile, set plumb and true, to accurately indicate plane of finished tile surfaces.

G. Install tile on walls with following joint widths:

H. Horizontal joints shall be level, vertical joints plumb with surfaces true and plumb, edges of tiles flushed.

I. Rub exposed cuts smooth with fine stone; no cut edge shall be set against fixture or adjoining surface without 1/16 inch sealant joint.

J. Install access doors where required, furnished under another section, in correct location, plumb or level, flush with adjacent construction, and securely fastened to framing.

3.05 GROUTING

A. Prior to starting, ensure that all wall and floor tile surfaces are clean and any excessive bond mortar is scraped and vacuumed from joints (approximately 2/3 depth of tile should be open for grouting). Follow manufacturer's instructions for mixing grout. Once grout Work commences, proceed until complete wall or floor area is finished utilizing one batch of grout.

B. Latex Portland cement grouting: Dampen tile surface and joints with water using sponge, but leaving no puddles in joints.
   1. Force grout into joints using sufficient pressure on rubber float so as to fill joints completely, and scrape excess grout off tile surface with rubber float. Smooth or tool grout to uniform joint finish. Do not over water.

C. Curing latex Portland cement grout: Remove final grout haze with clean soft cloth, and cover with 40-weight Kraft paper to cure. Leave paper in place for protection. Cover wall surfaces with 40-weight Kraft paper for 72 hours.

3.06 CLEANING AND SEALING

A. Where grout scum is not visible on tile surface after curing, clean tile surface with clear water. Remove and replace cracked, broken or defective Work with proper material.

B. When curing membrane is removed and grout scum is visible on tile surface, follow this cleaning method:
1. Immediately recover floor with paper or felt and allow to continue curing for minimum of 14 days. Uncover floor and maintain entire tile surface saturated with clean cool water for not less than 2 hours.
2. Utilize neutral cleaner acceptable to manufacturers of tile and grout, and follow manufacturer’s instruction. Do not provide generic acid cleaners.
3. Wet tile floors and apply cleaning solution to floor surface, then scrub with brush. Rinse area several times with clean water to flush solution off floor surface.

C. Apply penetrating sealer in accordance with manufacturer’s instructions utilizing dense sponge applicator, paint pad, sprayer or brush. Avoid overlapping, puddling, and rundown. Completely wipe surface dry within 3 to 5 minutes using cotton or paper towels. Do not allow sealer to dry on tile. After 2 hours, test surface by applying water droplets to surface. If water is absorbed, apply second coat. Avoid surface traffic for 24 hours.

3.07 SEALANT

A. Insure joints to receive sealant are free and clear of setting and grouting materials and construction debris. Do not permit foot traffic on installed sealant for minimum of 48 hours or protect with hardboard strips.

B. Install in accordance with requirements of Section 07 9200.

3.08 PROTECTION

A. Do not allow traffic where tile is installed until mortar and grout has set for minimum of 72 hours.

B. Protect Work until Substantial Completion.

3.09 CLEAN UP

A. Remove and legally dispose of rubbish, debris, and waste material off Project Site.

END OF SECTION 09 3000
SECTION 09 6516
RESILIENT SHEET FLOORING

PART 1 – GENERAL

1.01 SUMMARY

A. Section Includes:
   1. Labor, materials and other services necessary to complete resilient sheet flooring, slip resistant sheet vinyl safety flooring systems and accessories Work.

B. Related Sections:
   1. Section 03 3000: Cast-in-Place Concrete; concrete finishing.
   2. Section 09 6599: Resilient Flooring; rubber wall base

1.02 REFERENCES


B. ASTM International (ASTM):
   4. ASTM F 710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.

C. Resilient Floor Covering Institute (RFCI) :
   1. RFCI Standard Slab Moisture Test Method (Calcium Chloride Method) as supplementary test method to ASTM F2170.

D. South Coast Air Quality Management District (SCAQMD):
   1. Rule 1168 – Adhesive and Sealant Applications
1.03 QUALITY ASSURANCE

A. Installer Qualifications: Installer experienced in performing Work of this section who has specialized in installation of work similar to that required for this Project.
   1. Training: Installer who has attended manufacturer’s flooring installation training clinic.

B. Pre-installation Meeting: Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer’s installation instructions, manufacturer’s warranty requirements, and installer qualifications.

1.04 SUBMITTALS

A. Product Data: Submit manufacturer’s current printed product literature, specifications, installation instructions, and field reports in accordance with Section 01 3300.

B. Shop Drawings: Submit shop drawings to indicate materials, details, and accessories in accordance with Section 01 3300, including but limited to the following:
   1. Cut diagram indicating seam locations and roll direction.
      a. Use mitered seam layouts for corners when changing directions 180 degrees (e.g. when running material down corridors which bisect at right angle), unless approved otherwise.

C. Samples:
   1. Minimum of four of each of following:
      a. 12 inch x 12 inch sample pieces of sheet material,
      b. 12 inch gulley edge, cap strip, joint cover strip, and cove former in accordance with Section 01 3300.

D. Closeout Submittals:
   1. Operation and maintenance data for installed products in accordance with Section 01 7700.
   2. Include methods for maintaining installed products and precautions against cleaning materials and methods detrimental to finishes and performance.

1.05 PROJECT CONDITIONS

A. Temperature Requirements: When storage temperature is below 65 degrees F, or floor temperature is below 50 degrees F, sheet flooring product must be moved to warmer place and allowed to reach this temperature before unrolling or installation.
   1. Refer to flooring manufacturer’s current Installation instructions.

B. Maintain air temperature and structural base temperature at flooring installation area between 68 degrees F and 80 degrees F for 48 hours before, during, and 24 hours after installation.

C. Waste Management and Disposal: Comply with requirements of Section 01 7419.
1.06 DELIVERY, STORAGE, AND HANDLING

A. Ordering: Comply with manufacturer’s ordering instructions and lead time requirements to avoid construction delays.

B. Deliver, store, and handle resilient flooring materials in accordance with 01 6000.

C. Deliver materials in manufacturer’s original, unopened, undamaged containers with identification labels intact.

D. Store materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer.

E. Store rolls in dry location.
   1. Stand rolls on end.
   2. Protect and secure rolls from falling.

1.07 REGULATORY REQUIREMENTS

A. Provide slip resistant sheet vinyl safety flooring in compliance with following:
   1. CBC, Chapter 11B.

1.08 WARRANTY

A. Provide manufacturer’s warranty period for period of 12 years commencing on date of Substantial Completion.

PART 2 – PRODUCTS

2.01 RESILIENT SHEET FLOORING

A. Product and Manufacturer:
   1. Homogeneous Vinyl Sheet Floor Covering by Johnsonite, Inc., Chagrin Falls, OH.

B. Acceptable Material:
   1. iQ OPTIMA complying with ASTM F 1913 and following physical properties:
      a. Slip Resistance (ASTM D 2047): Dry - 0.92 / Wet - 0.88
      b. Thickness: 3 mm (0.12 inch)
      c. Roll/Sheet Width: 6 feet – 6 inches (2 m)
      d. Roll Length: 82 feet – 7 inches (25 m)
      e. Wear layer/Overall thickness: 0.080 inch (2.0 mm).
      f. Static Coefficient of Friction, ASTM D 2047): 6.0 or greater.
      g. Static Load Limit (ASTM F 970): 250 psi.
      h. Critical Radiant Flux (ASTM E 648): 0.45 watts/cm² or greater, Class I
      i. Smoke Density (ASTM E 662): Less than 450

C. Color: 860 Malt.

2.02 ACCESSORIES

A. Vinyl Welding Rod: Material acceptable to flooring manufacturer.
B. Cove Former: Material acceptable to flooring manufacturer.
   1. Sized to suit application:

C. Cap Strip: Material acceptable to flooring manufacturer.
   1. Sized to suit application
   2. Material: Vinyl

D. Subfloor Filler and Leveler:
   1. Where required, use only gray Portland cement-based, moisture tolerant
      underlayments, and patching compounds.
   2. Use for filling cracks, holes or leveling.
   3. White gypsum materials are not acceptable.

E. Metal edge strips:
   1. Aluminum extruded, smooth, mill finish stainless steel with lip to extend over
      flooring.

F. Adhesives:
   1. Flooring manufacturer’s standard 2 part polyurethane, comply with
      requirements of SCAQMD Rule 1168 for VOC content.

PART 3 – EXECUTION

3.01 EXAMINATION

A. Comply with manufacturer’s product data, including product technical bulletins,
   product catalog, and installation instructions.

B. Site Verification of Conditions: Verify substrate conditions, which have been
   previously installed under other sections, are acceptable for product installation in
   accordance with manufacturer’s instructions.

3.02 PREPARATION

A. Resilient sheet flooring shall be installed over subfloors conforming to ASTM F 710
   for concrete and other monolithic floors.

B. Conduct moisture tests per ASTM F 2170 on concrete slabs regardless of age or
   grade level.
   1. ASTM F 2170 Internal Relative Humidity (IRH) test results must not exceed
      85 percent.

C. Do not proceed with Work until results of moisture condition tests are acceptable.

D. When patching, moisture tolerant patching compound must always be used.

3.03 INSTALLATION

A. Install resilient sheet flooring in accordance with manufacturer’s current installation
   instructions.

B. Seams shall be heat welded with manufacturer’s approved welding rod.
1. Failure to install resilient sheet flooring in accordance with manufacturer’s recommended procedures will void manufacturer’s product warranty.

C. Coved Installation: Where resilient sheet flooring is coved up wall surfaces and other abutments, installation shall be in accordance with resilient sheet flooring manufacturer’s installation instructions.
   1. Install sheet flooring with integral cove base in Lab spaces.

D. At standard wall finishes, use recommended vinyl cap strip to accommodate sheet vinyl to height as indicated
   1. Adhere with contact tape.

E. When coving up wall at juncture of vertical and horizontal surfaces, use Vinyl Cove Former.
   1. Install with contact tape.

F. Cove Base:
   1. Install top set cove base, as specified in Section 09 6500, in accordance with manufacturer’s instructions.

3.04 CLEANING

A. Remove temporary coverings and protection of adjacent work areas.
   1. Repair or replace damaged installed products.
   2. Clean installed products in accordance with manufacturer’s instructions prior to Owner’s acceptance.

B. Protection:
   1. Sweep or vacuum construction debris and dust first, then clean the flooring with manufacturer’s approved cleaning material, using an auto scrubber.

3.05 PROTECTION

A. Cover and protect finished installation from damage from other trades using suitable non-staining, temporary floor protection system, such as reusable textured plastic sheeting, without taping to surface of flooring.

END SECTION 09 6516