



ADDENDUM NO. 0B

Date: 05/10/2022

Issued by: Sacramento City Unified School District

**Project: Bid No. 455-2B
Shade Structures at Various Sites Group 2B**

This addenda shall supersede the original Information, attachments, and specifications regarding Bid No. **455-2B** where it adds to, deletes from, clarifies or otherwise modifies them. All other conditions and any previous addenda shall remain unchanged.

Part A Bidding and Contract Requirements

AD0B.01 Refer to DOCUMENT 00 01 10, TABLE OF CONTENTS, Division 0:

ADD Document 00 21 13.1, Determination of Bidder Responsibility Questionnaire

AD0B.02 Refer to DOCUMENT 00 01 10, TABLE OF CONTENTS, Tm0 G[)]T&TQq0.00000912 0 612 792 r

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- < Revises 1.02 SUMMARY OF WORK COVERED BY CONTRACT DOCUMENTS, Also Included:
 - o Item # 13 Deliveries anticipated to start date revised to 10/10/22.
 - o Items# 16, 17, 18 & 19 added.

AD0B.06 Refer to Division 01:

REPLACE DOCUMENT 01 32 13 . SCHEDULING OF WORK in its entirety. Attachment AD0B.20

- < Revises schedule dates due to longer lead times of OFCI Shade Structure Materials.
- < Calls out Swing Shift Work for Shade Structure Install Phase.
- < Revises Anticipated Last Day of School from 6/16/22 to 6/24/22.

AD0B.07 Refer to Division 01:

REPLACE DOCUMENT 01 45 00 . QUALITY CONTROL in its entirety. Attachment AD0B.21

- < Replaces

Part B TECHNICAL REQUIREMENTS

AD0B.08 Refer to Technical Specifications Section:

ADD Specification Section 07 9200 . JOINT SEALANTS in its entirety. Attachment AD0B.22

ADD Specification Section 09 9100 . PAINTING in its entirety. Attachment AD0B.23

Part C - DRAWINGS

AD0B.09 Refer to Earl Warren ES DSA# 02-120000, Drawing Sheet E1.1, SITE PLAN - ELECTRICAL:

Replace Sheet E1.1, SITE PLAN . ELECTRICAL in its entirety. Attachment AD0B.24

- < Conduit and ground rod callouts revised.
- < Keyed Notes 1 and 3 revised.
- < Keyed Note 8 added.

AD0B.10

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(Not Used)

List of Attachments:

- AD0B.17** Document 00 21 13.1 - Determination of Bidder Responsibility Questionnaire (5 pages)
- AD0B.18** Document 00 52 13 . Agreement (5 5ages)
- AD0B.19** Document 01 11 00 . Summary of Work (5 pages)
- AD0B.20** Document 01 32 13 . Scheduling of Work (15 pages)
- AD0B.21** Document 01 45 00 . Quality Control (4 pages)
- AD0B.22** Specification Section 07 9200 . Joint Sealants (12 pages)
- AD0B.23** Specification Section 09 9100 . Painting (16 pages)
- AD0B.24** Earl Warren ES DSA# 02-120000, Sheet E1.1, SITE PLAN

Attachment AD0B.17



4. _____ : It is hereby understood and agreed that the Work under this Contract shall be completed within _____ consecutive calendar days ("Contract Time") from the date specified in the District's Notice to Proceed.

5. _____ : Should the Contractor fail to complete this Contract, and the Work provided herein, within the time fixed for completion, due allowance being made for the contingencies provided for herein, the Contractor shall

timely submit complete and accurate electronic certified payroll records as required by the Contract Documents, or the District may not issue payment.

17. : In consideration of the foregoing covenants, promises, and agreements on the part of the Contractor, and the strict and literal fulfillment of each and every covenant, promise, and agreement, and as compensation agreed upon for the Work and construction, erection, and completion as aforesaid, the District covenants, promises, and agrees that it will well and truly pay and cause to be paid to the Contractor in full, and as the full Contract Price and compensation for construction, erection, and completion of the Work hereinabove agreed to be performed by the Contractor, the following price:

in lawful money of the United States, which sum is to be paid according to the schedule provided by the Contractor and accepted by the District and subject to additions and deductions as provided in the Contract. This amount supersedes any previously stated and/or agreed to amount(s).

18. No representations have been made other than as set forth in writing in the Contract Documents, including this Agreement. Each of the Parties to this Agreement warrants that it has carefully read and understood the terms and conditions of this Agreement and all Contract Documents, and that it has not relied upon the representations or advice of any other Party or any attorney not its own.

19. The Contract Documents, including this Agreement, set forth the entire agreement between the parties hereto and fully supersede any and all prior agreements, understandings, written or oral, between the parties hereto pertaining to the subject matter thereof.

20. : If any term, covenant, condition, or provision in any of the Contract Documents is held by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of the provisions in the Contract Documents shall remain in full force and effect and shall in no way be affected, impaired, or invalidated thereby.

21. : Each party has the full power and authority to enter into and perform this Contract, and the person signing this Contract on behalf of each party has been properly authorized and empowered to enter into this Contract. This Contract may be executed in one or more counterparts, each of which shall be deemed an original. For this Agreement, and for all Contract Documents requiring a signature, a facsimile or electronic signature shall be deemed to be the equivalent of the actual original signature. All counterparts so executed shall constitute one Contract binding all the Parties hereto.

Attachment AD0B.19

6. Provide temporary means of operation for existing storm, water, sewer, gas

Project. Where codes, regulations, and standards conflict with the Contract Documents, these conflicts shall be brought to the immediate attention of the District and the Architect.

- B. Codes, regulations, and standards shall be as published effective as of date of bid opening, unless otherwise specified or indicated.

1.06 PROJECT RECORD DOCUMENTS

- A. Contractor shall maintain on Site one set of the following record documents; Contractor shall record actual revisions to the Work:
 - (1) Contract Drawings.
 - (2) Specifications.
 - (3) Addenda.
 - (4) Change Orders and other modifications to the Contract.
 - (5) Reviewed shop drawings, product data, and samples.
 - (6) Field test records.
 - (7) Inspection certificates.
 - (8) Manufacturer's certificates.
- B. Contractor shall store Record Documents separate from documents used for construction. Provide files, racks, and secure storage for Record Documents and samples.
- C. Contractor shall record information concurrent with construction progress.
- D. Specifications: Contractor shall legibly mark and record at each product section of the Specifications the description of the actual product(s) installed, including the following:
 - (1) Manufacturer's name and product model and number.
 - (2) Product substitutions or alternates utilized.
 - (3) Changes made by Addenda and Change Orders and written directives.

1.07 EXAMINATION OF EXISTING CONDITIONS

- A. Contractor shall be held to have examined the Project Site and acquainted itself with the conditions of the Site and of the streets or roads approaching the Site.
- B. Prior to commencement of Work, Contractor shall survey the Site and existing buildings and improvements to observe existing damage and defects such as

cracks, sags, broken, missing or damaged glazing, other building elements and Site improvements, and other damage.

- C. Should Contractor observe cracks, sags, and other damage to and defects of the Site and adjacent buildings, paving, and other items not indicated in the Contract Documents, Contractor shall immediately report same to the District and the Architect.

1.08 CONTRACTOR'S USE OF PREMISES

- A. If unoccupied

Attachment ADOB.20

DOCUMENT 01 32 13

SCHEDULING OF WORK

PART 1 – GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;
- B. Special Conditions;
- C. Summary of Work; and
- D. Submittals.

1.02 SECTION INCLUDES

- A. Scheduling of Work under this Contract shall be performed by Contractor in accordance with requirements of this Section.
 - (1) Development of schedule, cost and resource loading of the schedule, monthly payment requests, and project status reporting requirements of the Contract shall employ computerized Critical Path Method ("CPM") scheduling ("CPM Schedule").
 - (2) CPM Schedule shall be cost loaded based on Schedule of Values as approved by District.
 - (3) Submit schedules and reports as specified in the General Conditions.
- B. Upon Award of Contract, Contractor shall immediately commence development of Initial and Original CPM Schedules to ensure compliance with CPM Schedule submittal requirements.

1.03 CONSTRUCTION SCHEDULE

- A. Within ten (10) days of issuance of the Notice to Proceed and before request for first progress payment, the Contractor shall prepare and submit to the Project Manager a construction progress schedule conforming to the Milestone Schedule below.
- B. The Construction Schedule shall be continuously updated, and an updated schedule shall be submitted with each application for progress payment. Each revised schedule shall indicate the work actually accomplished during

C. Milestone Schedule:

Preliminary Construction Schedule

Anticipated Notice of Intent to Award (NOITA)	05/18/22
Anticipated Board Approval of Construction Contract	06/02/22

- (1) The written statement shall identify the individual who will perform CPM scheduling

(b)

- (b) Advise Contractor in writing to review any part or parts of schedule which either do not meet Contract

- (2) Each update shall continue to show all Work activities including those already completed. These completed activities shall accurately reflect "as built" information by indicating when activities were actually started and completed.
- B. A meeting will be held on approximately the twenty-fifth (25th) of each month to review the schedule update submittal and progress payment application.
- (1) At this meeting, at a minimum, the following items will be reviewed: Percent (%) complete of each activity; Time Impact Evaluations for Change Orders and Time Extension Request; actual and anticipated activity sequence changes; actual and anticipated duration changes; and actual and anticipated Contractor delays.
 - (2) These meetings are considered a critical component of overall monthly schedule update submittal and Contractor shall have appropriate personnel attend. At a minimum, these meetings shall be attended by Contractor's General Superintendent and Scheduler.

provide a schedule diagram which compares the original sequence to the revised sequence of work. The Contractor shall provide the written narrative and schedule diagram for revisions two (2) working days in advance of the monthly schedule update meeting.

- C. Schedule revisions shall not be incorporated into any schedule update until the revisions have been reviewed by District. District may request further information and justification for schedule revisions and Contractor shall,

1.14 SCHEDULE REPORTS

- A. Submit four (4) copies of the following reports with the Initial CPM Schedule, the Original CPM Schedule, and each monthly update.
- B. Required Reports:
 - (1) Two activity listing reports: one sorted by activity number and one by total Project Float. These reports shall also include each activity's early/late and actual start and finish dates, original and remaining

DOCUMENT 01 45 00

QUALITY CONTROL

The Contractor shall conform with all applicable laws as indicated in the Contract Documents, including, without limitation, to CCR, Part 1, Title 24, Section 4-343. The Contractor shall supervise and direct the Work and maintain a competent superintendent on the job who is authorized to act in all matters pertaining to the Work. The Contractor's superintendent shall also inspect all materials, as they arrive, for compliance with the Contract Documents. Contractor shall reject defective Work or materials immediately upon delivery or failure of the Work or material to comply with the Contract Documents. The Contractor shall submit verified reports as indicated in the Contract Documents, including, without limitation, the Specifications and as required by Part 1, Title 24, Section 4-336.

1.04 TESTING AGENCIES:

- A. Testing agencies and tests shall be in conformance with the General Documents and the requirements of Part 1, Title 24, Section 4- 335.
- B. Testing and inspection in connection with earthwork shall be under the direction of the District's consulting soils engineer, if any, referred to hereinafter as the "Soils Engineer."
- C. Testing and inspection of construction materials and workmanship shall be performed by a qualified laboratory, 17(o)5(n)-5(o)-4(f)5(t)-3(h)0 g0 G[)]TETQ8-treWhBT.

- D. The District may at its discretion, pay and then back charge the Contractor for:
- (1) Retests or reinspections, if required, and tests or inspections required due to Contractor error or lack of required identifications of material.
 - (2) Uncovering of work in accordance with Contract Documents.
 - (3) Testing done on weekends, holidays, and overtime will be chargeable to the Contractor for the overtime portion.
 - (4) Testing done off Site.
- E. Testing and inspection reports and certifications:
- (1) If initially received by Contractor, Contractor shall provide to each of the following a copy of the agency or laboratory report of each test or inspection or certification.
 - (a) The District;
 - (b) The Construction Manager, if any;
 - (c)

PART 1 - GENERAL

- A. Section Includes:
 - 1. Sealants and backing for interior and exterior joints.

- A. Section 01 6116, Volatile Organic Compound (VOC) Restrictions, for VOC limits pertaining to adhesives, sealants, fillers, primers, and coatings.
- B. Pertinent Sections specifying sealants or referencing this Section for sealant products and installation requirements.

- A. California Building Code (CBC), edition as noted on Drawings.
- B. California Green Building Standards Code (CAL Green), edition as noted on Drawings.
- C. American Concrete Institute (ACI) Publications and Standards:
 - 1. ACI 302.1R: Guide to Concrete Floor and Slab Construction.
 - 2. ACI 360R-10: Guide to Design of Slabs-on-Ground.
- D. ASTM International (ASTM):
 - 1. C834: Standard Specification for Latex Sealants.
 - 2. C919: Standard Practice for Use of Sealants in Acoustical Applications.
 - 3. C920: Standard Specification for Elastomeric Joint Sealants.
 - 4. C1193: Standard Guide for Use of Joint Sealants.
 - 5. C1247: Standard Test Method for Durability of Sealants Exposed to Continuous Immersion in Liquids.
 - 6. C1248: Standard Test Method for Staining of Porous Substrate by Joint Sealants.
 - 7. C1311: Standard Specification for Solvent Release Sealants.
 - 8. C1330: Standard Specification for Cylindrical Sealant Backing for Use with Cold Liquid

**JOINT SEALANTS
SECTION 07 9200**

- A. Submittal Procedures:
 - 1. Action Submittals and Informational Submittals shall be submitted in accordance with Section 01 3300, Submittal Procedures.
 - 2. Closeout Submittals shall be submitted in accordance with Section 01 7700, Closeout Procedures.
- B. Pre-Installation Meeting: Conduct at Project site. Review joint application procedures, compatibility tests, adhesion tests, and warranty requirements in a meeting involving Architect, Project Inspector, and Project Representative.
- C. Coordination:
 - 1. The use of multiple sources for silicone glazing systems is not permitted. It is required that a single source for silicone

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1. Preconstruction Compatibility and Adhesion Test Reports from sealant manufacturer, indicating the following:
 - a. Materials forming joint substrates and joint-sealant backings have been tested for compatibility and adhesion with joint sealants.
 - b. Interpretation of test results and written recommendations for primers and substrate preparation needed for adhesion.

- D. Sustainable Design:
 1. General:
 - a. Submit information necessary to establish and document compliance with the California Green Building Standards Code.
 2. The following information shall be provided:
 - a. Adhesives and Sealants: Evidence of compliance that products meet maximum VOC content limits specified in Section 01 6116.

- E. Sample of manufacturer s warranty.

- A. Warranty and Guarantee: Submit executed warranty and extended Contractor guarantee.

- A. Installer Qualifications: Manufacturer's authorized representative who is trained and approved for installation of sealants and backing required for this Project.
- B. Use only new materials and products, unless existing materials or products are specifically shown otherwise on the Drawings to be salvaged and re-used.
- C. Single Source Responsibility: Obtain each kind of joint sealant from single source from single manufacturer.
- D. Materials, components, assemblies, workmanship and installation are to be observed by the Project Inspector. Work not so inspected is subject to uncovering and replacement.
- E. Mockups: Install sealant in mockups of assemblies specified in other Sections that are indicated to receive joint sealants specified in this Section. Use materials and installation methods specified in this Section.

- A. Deliver materials to project site in original factory wrappings and containers, labeled with identification of manufacturer, product name and designation, color, expiration period for use, pot life, curing time, and mixing instructions for multicomponent materials.
- B. Store and handle materials in compliance with manufacturer's recommendations to prevent their deterioration or damage due to moisture, high or low temperatures, contaminants, or other causes.

- A. Environmental Conditions: Do not proceed with installation of joint sealants under the following conditions:
 - 1. When ambient and substrate temperature conditions are outside the limits permitted by joint sealant manufacturer.
 - 2. When joint substrates are wet.
 - B. Joint Width Conditions: Do not proceed with installation of joint sealants where joint widths are less than allowed by joint sealant manufacturer for application indicated.
 - C. Joint Substrate Conditions: Do not proceed with installation of joint sealants until contaminants capable of interfering with their adhesion are removed from joint substrates.
-
- A. Manufacturer: In addition to the standard Guarantee, furnish Owner with sealant against defects in materials and workmanship for a period of 5 years:
 - B. Contractor: in addition to its standard Guarantee under the Contract,

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E. Design Requirements:

1. Seal building joints with non-sag type sealant.
2. Seal floor joints with self-leveling or slope grade self-leveling type sealant.

A. Compatibility: Provide joint sealants, joint fillers, and other related materials that are compatible with one another and with joint substrates under conditions of service and application, as demonstrated by sealant manufacturer based on testing and field experience.

B. Liquid-Applied Joint Sealants: Comply with ASTM C920 and other requirements indicated for each liquid-applied joint sealant specified, including those referencing ASTM C920 classifications for type, grade, class, and uses related to exposure and joint substrates.

1. Suitability for Immersion in Liquids. Where sealants are indicated for Use I for joints that will be continuously immersed in liquids, provide products that have undergone testing according to ASTM C 1247. Liquid used for testing sealants is deionized water, unless otherwise indicated.

C. Colors:

1. General:

- a. Match adjacent surfaces.
- b. Not all locations will have the same color.

2. Provide color of exposed joint sealants to comply with the following:

- a. full range of colors for products of type indicated.
- b. Request color selection for exposed products listed without a preselected color.

A. Single-Component, Nonsag, Neutral-Curing Silicone Joint Sealant: ASTM C920, Type S, Grade NS, Class 100 / 50, for Use NT.

1. Products: The following, or equal:

- a. The Dow Chemical Company; 790.
- b. Sika Corporation, Construction Products Division; Sikasil WS-290.

B. Single-Component, Nonsag, Neutral-Curing Silicone Joint Sealant: ASTM C920, Type S, Grade NS, Class 50, for Use NT.

1. Products: The following, or equal:

- a. Dow Corning Corporation;
- b. Sika Corporation, Construction Products Division; Sikasil WS-295.

- C. Single-Component, Nonsag, Non-Bleed, Neutral-Curing Silicone Joint Sealant: ASTM C920, Type S, Grade NS, Class 50, for Use G, M, A and O.
1. Products: The following, or equal:
 - a. The Dow Chemical Company; ."
 - b. Momentive Performance Materials; "SCS9000 SilPruf NB."
- D. Single-Component, Nonsag, One Part RTV Neutral-Curing Silicone Joint Sealant: ASTM C920, Type S, Grade NS, Class 25, designed for adhering to low energy surfaces common in sheet or peel and stick weather resistant barriers.
1. Products: The following, or equal:
 - a. The Dow Chemical Company; 758.
 - b. Sika Corporation, Construction Products Division; Sikasil-N Plus.
- E. Mildew-Resistant, Single-Component, Acid-Curing Silicone Joint Sealant: ASTM C920, Type S, Grade NS, Class 25, for Use NT, A and O.
1. Products: The following, or equal:
 - a. The Dow Chemical Company; 786 Mildew Resistant.
 - b. Momentive Performance Materials; GE Silicones Sanitary SCS1700.

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1. Immediately after sealant application and prior to time skinning or curing begins, tool sealants to form smooth, uniform beads of configuration indicated, to eliminate

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- 5. Resilient floor covering and base.
 - 6. Carpet.
 - 7. Pre-finished paneling.
 - 8. Plastic laminate.
 - 9. Porcelain enamel.
 - 10. Vinyl wallcovering, except where noted.
- G. Aluminum doors, windows, frames and railings.
- H. Metal or plastic toilet partitions.
- I. Items of chromium, copper, nickel, brass, bronze or stainless steel.
- J. Surfaces in concealed areas such as furred spaces.
- K. Tops of gravel stop flanges (including priming) where roofing material will be adhered to.
- L. Wall areas concealed by cases, counters, cabinets, chalkboards, tackboards (prime coat only required).
- M. Piping or conduit including brackets and similar items therewith running on or across unpainted or otherwise unfinished walls or ceilings.
- N. Galvanized gratings, recessed foot grilles, and thresholds.
- O. Structural steel scheduled to receive fireproofing.
- P. Existing rooms or areas not affected by work of this project, unless specifically noted otherwise.

1.3 RELATED REQUIREMENTS

- A. Section 01 6116, Volatile Organic Compound (VOC) Restrictions; for VOC limits pertaining to adhesives, sealants, fillers, primers, and coatings.
- B. Section 05 5000, Metal Fabrications.
- C. Section 07 9200, Joint Sealants.
- D. Section 26 0150, Electrical Basic Materials and Methods

1.4 REFERENCES AND STANDARDS

- A. California Building Code (CBC), edition as noted on the Drawings.
- B. California Green Building Standards Code (CAL Green), edition as noted on the

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4. Do not apply when temperature is over 85 degrees F except in protected or shaded areas.
- D. Interior:
1. Do not apply interior paint when air or surface temperature is below 50 degrees F unless temperature is maintained constantly.
 2. Do not apply when ventilation is inadequate to maintain humidity lower than dew point of coldest wall.
- E. Use moisture meter for determining proper moisture levels of surfaces for painting.
- F. Report to Architect in writing upon discovery of any prime coat painting specified in other Sections of Specifications that would prevent proper application of specified finish.
- G. Furnish, erect and remove scaffolding and planks required for work under this Section. Conform to state and local codes, rules and regulations.

1.13 EXISTING CONDITIONS

- A. Existing Surfaces:
1. Paint, stain or otherwise finish all existing surfaces as indicated or scheduled on the Drawings.
 2. Work includes primer, paint, repaint or finish of existing painted surfaces altered, defaced or damaged as a result of work under this Contract.
- B. Existing surfaces with paint, stain, varnish or similar type coating shall be assumed to contain various concentrations of lead. Cal/OSHA regulations are therefore applicable during disturbance, preparation or repainting of these surfaces.
- C. Existing surfaces to be painted include:
1. Exterior wall surfaces, including fascia, trim.
 2. Soffits and exterior ceilings including exposed roof framing.
 3. Concrete foundation where exposed below painted wall surfaces.
 4. Other work as shown on the Drawings, specified, or as required for a complete Project.

1.14 GUARANTEE

- A. Contractor: In addition to his standard Guarantee under the Contract, Contractor shall guarantee that paint colors shall be substantially unchanged and finishes shall maintain their original adherence without showing blisters, flaking, peeling, scaling, staining or unusual deterioration or other defects.

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PART 2 - PRODUCTS

2.1 DESIGN AND PERFORMANCE CRITERIA

- A. Sustainable Design:
 - 1. VOC emissions for field-applied paints and coatings must comply with limits specified in Section 01 6116.

2.2 MANUFACTURERS AND COATING PRODUCTS

- A. Products are specified under "Paint Systems" in Part 3 below and are manufactured by Kelly-Moore, except as otherwise in

3.2 PREPARATION

A. General:

1. Surface preparation and product application shall be in accordance with manufacturer's printed instructions (of) 8ca(scW*nqd11(uTI 7ed11()-4)0.00000912 0 612 -e
2. In addition to prime coats indicated (primer, sealer, filler, undercoat), use two (2)

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4. Galvanized or zinc-coated metal shall be given an approved acid treatment 48 hours before paint is applied.
5. Prep and prime coat factory or shop primed metal products, including metal doors and frames, exposed framing, and other exposed metal if material was not shop primed.
6. Metal surfaces receiving epoxy coatings shall have stripe coat applied at all welds, edges, joints, etc., with epoxy primer prior to application of primer.

E. Gypsum Board:

1. General:
 - a. Fill narrow, shallow cracks and small holes with spackling compound.
 - 1) Rake deep, wide cracks and deep holes.
 - 2) Dampen with clear water.
 - b. Fill with thin layers of drywall joint cement.
 - c. Allow to dry.
 - d. Sand smooth after drying. Do not raise nap of paper on gypsum board.]
2. Gypsum Board to Receive Wall Covering and Carpeting:
 - a. Prep and prime surfaces scheduled to receive wall covering with scheduled primer. Refer to Section 09 7200, Wall Covering, for clear acrylic primer to be used at vinyl wall covering.
 - b. Sprayed applications of primer shall be back rolled to assure that the primer has thoroughly sealed the surface.

F. Concrete:

1. Cracks, gaps, hollow areas, bug holes, honey combs, voids, fins, form marks and other protrusions or rough edges are to be ground or stoned to provide a smooth continuous surface.
2. Imperfections may require filling.
 - a. Patch concrete areas with cracks, gaps, hollow areas or other imperfections with compatible material to provide smooth continuous surface.
 - b. Material shall be compatible with and as recommended by the coating manufacturer.
3. Moisture Content:
 - a. Prepared surfaces shall not be painted until they have completely cured and have stabilized moisture content within limits required by the coating manufacturer.
 - b. Testing for Moisture Vapor Emission Rate (MVER) shall be performed to verify suitability using a moisture meter, Delmhorst or equal, or method described in ASTM D4263.
4. Surface shall be reviewed by Architect after surface preparation is complete and prior to application of primer. Additional patching and/or grinding necessary to provide a visually acceptable surface after application of paint coatings shall be accomplished at no additional cost.

- G. Surfaces that cannot be prepared or painted as specified, or to level required by the coating manufacturer, shall be immediately brought to the attention of the Architect, in writing.
 - 1. Starting of work without such notification will be considered acceptance by the Contractor of surfaces involved.
 - 2. Replace unsatisfactory work caused by improper or defective surfaces, as directed by Architect.

3.3 REPAINTING EXISTING INTERIOR SURFACES

- A. Interior surfaces required to be repainted, except acoustic tile, shall be prepared as follows.
 - 1. Wash clean with solution of trisodium phosphate in water and thoroughly rinse or wash with approved self-neutralizing detergent.
 - 2. Spackle, patch, sandpaper, repair, spot or partially prime to provide "hold out" for finish coats of paint and otherwise properly prepare as necessary to provide suitable surfaces, reasonably equal to new, over which to apply specified paints.

3.4 REPAINTING EXISTING EXTERIOR SURFACES

- A. General:
 - 1. Exterior surfaces required to be re-painted, shall be power washed with surfactant, followed by rinsing to remove all loose coatings, chalk, dirt, efflorescence, oils, and other contaminants that would inhibit bond of new coating.
 - 2. Mold or mildew shall be treated with bleach solution followed by thorough rinsing.
 - 3. Protect openings into interior spaces during power washing including louvers, vents, vent screeds, grilles, to prevent water from entering interior areas including, attics and soffits.

- B. Plaster and Concrete Masonry:
 - 1. Remove loose coatings using hand or power tools.
 - 2. Patch plaster areas where original material has cracked, spalled or otherwise been removed with compatible material. Fill areas completely to provide smooth, even surface for refinishing. Spot prime patches prior to proceeding.
 - 3. Patch masonry joints with cracks or missing material with compatible materials.

- C. Wood Siding and Trim:
 - 1. Remove loose, flaking or peeling coatings by scraping, chipping or sanding. Feather rough edges by sanding.
 - 2. Surfaces that exhibit moderate to heavy chalk deposits shall be thoroughly cleaned to sound substrate by wire brushing, sanding, or power washing.

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3. Spot prime bare wood, exposed nail and fastener heads prior to application of specified prime coat.
4. Glossy surfaces shall be dulled by sanding. Crystalline deposits shall be removed by flushing with water from a hose.
5. Mildew, if present, shall be removed by scrubbing with a commercial mildew wash in accordance with manufacturer's directions.

D. Concrete:

1. Existing exposed concrete scheduled to receive new finish shall be pressure washed or scrubbed to completely remove all bond breakers and oils.
2. Remove loose coatings not removed by pressure washing using hand or power tools.
3. Efflorescence to be removed following procedures recommended by the paint manufacturer.
4. Cracks, gaps, hollow areas, bug holes, honey combs, voids, fins, form marks and other protrusions or rough edges are to be ground or stoned to provide a smooth continuous surface.
5. Imperfections may require filling.
 - a. Patch concrete areas with cracks, gaps, hollow areas or other imperfections with compatible material to provide smooth continuous surface.
 - b. Material shall be compatible with and as recommended by paint manufacturer.
6. Test for moisture as specified for new concrete.
7. Surface shall be reviewed by Architect after patching is complete and primer is applied. Additional patching and/or grinding

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3. The numbers following "INT" and "EXT" for each System identifies the substrate to be coated.
4. Initial numbers for each System identify the substrate to be coated summarized as follows with further clarification included with the System description:

<u>CODE</u>	<u>DESCRIPTION</u>
3.1	Concrete
3.2	Cement Plaster
4	Masonry
5	Metal
6	Wood
9.2	Gypsum Board
9.3	Acoustical Panels and Tile

5. The letter following substrate number identifies the general finish coat chemistry summarized as follows:

<u>CODE</u>	<u>DESCRIPTION</u>
A	

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21-1504

3.13 MISCELLANEOUS PAINTING

- A. Mechanical and Electrical Equipment, Conduits and Piping: Paint exposed items as scheduled using appropriate system for material and whether or not item has been factory-primed.
- B. Exposed Insulation-Covered Piping: Size with Arabol, or equal latex type adhesive, and apply 2 coats of semi-gloss enamel.
- C. Material Visible through Grilles, Screens, Louvers, Vents and Screens and Exposed Hardware Cloth Screening: Painted flat black to make uv -145(as)uVnohereq0 G 3() 4(51(-145(as)) 3(E) 4