



PROJECT:

Online School & Special Education
Administration District Office Expansion
Clovis, CA

Date : 10/23/23

TETER Project No.: 12242

CLIENT:

Clovis Unified School District
1450 Herndon Ave.
Clovis, CA 93611

District Bid Number.: 2965

DSA File No.: n/a

DSA Appl. No.: 02-120813

The following additions, deletions and revisions to the plans, specifications and Addenda shall become a part of the plans and specifications. It is the responsibility of the General Contractor to submit the information contained in this addendum to all subcontractors and suppliers. The Bidder shall acknowledge receipt of the Addendum in the Bid Proposal. (Addendum number of pages: 3 pages + 12 attachments = 110 total pages).

PROJECT MANUAL:

4 – 01: PROJECT MANUAL, - “TABLE OF CONTENTS”, revise as follows:

- A. Add 09 65 17 - “RESILIENT RUBBER SHEET FLOORING” to the “TABLE OF CONTENTS”.
- B. Remove 09 65 19 – “RESILIENT TILE FLOORING” to the “TABLE OF CONTENTS”.

4 – 02: PROJECT MANUAL, - 00 07 00 “GENERAL CONDITIONS for GENERAL CONTRACTORS”, revise as follows:

- A. Remove and replace article 16 of specification 00 07 00 with “ATTACHMENT ‘A’” (OCIP) insurance requirements and OCIP Insurance Manual. (39 page)

4 – 03: PROJECT MANUAL, - 06 41 16 “PLASTIC LAMINATE CASEWORK”, revise as follows:

- C. Replace section 06 41 16 in its entirety with section 06 41 16 attached. (11 page)

4 – 04: PROJECT MANUAL, - 06 41 18 “SOLID SURFACE COUNTERTOPS”, revise as follows:

- A. Replace section 06 41 18 in its entirety with section 06 41 18 attached. (6 page)

4 – 05: PROJECT MANUAL, - 09 30 00 “TILING”, revise as follows:

- A. Replace section 09 30 00 in its entirety with section 09 30 00 attached. (11 page)

4 – 06: PROJECT MANUAL, - 09 65 13 “RESILIENT BASE AND ACCESSORIES”, revise as follows:

- A. Replace section 09 65 13 in its entirety with section 09 65 13 attached. (5 page)

- 4 – 07: PROJECT MANUAL, - 09 65 17 “RESILIENT RUBBER SHEET FLOORING”,** revise as follows:
- A. Add section 09 65 17 in its entirety, attached. (7 page)
- 4 – 08: PROJECT MANUAL, - 09 65 19 “RESILIENT TILE FLOORING”,** revise as follows:
- A. Remove section 09 65 19 in its entirety.
- 4 – 09: PROJECT MANUAL, - 09 68 16 “CARPETING”,** revise as follows:
- A. Replace section 09 68 16 in its entirety with section 09 68 16 attached. (9 page)
- 4 – 10: PROJECT MANUAL, - 09 91 00 “PAINTING”,** revise as follows:
- A. Replace section 09 91 00 in its entirety with section 09 91 00 attached. (15 page)
- 4 – 11: PROJECT MANUAL, - “APPENDIX”,** revise as follows:
- A. Add the following:
 - a. “SITE LOGISTIC PLAN LEGEND” AD4-CM01, attached, to the project manual appendix (1 page)
 - b. PG&E – “Construction Sketch” (Rule 16), attached to the project manual appendix (1 page)

DRAWINGS:

- 4 – 12: DRAWINGS, SHEET A102 - “ENLARGED PARTIAL SITE PLANS”,** revise as follows:
- A. Replace drawing A102 in its entirety with drawing A102 attached. (1 page)
- 4 – 13: DRAWINGS, SHEET A103 - “ENLARGED PARTIAL SITE PLANS”,** revise as follows:
- A. Replace Detail 10 on Drawing A103 in its entirety with attached Addendum Drawing AD4-A01. (1 page)
- 4 – 14: DRAWINGS, SHEET A111 - “SITE DETAILS”,** revise as follows:
- A. Revise detail 22/A111 to reference “8’-0” MAX” height on gate.
 - B. Revise detail 23/A111 to reference an enclosure size of 18’-0” x 6’-0”
- 4 – 15: DRAWINGS, SHEET A210 - “ENLARGED FLOOR PLANS”,** revise as follows:
- A. UNISEX A11 provide baby changing station refer to mark ‘N’ on A260.

- 4 – 16: DRAWINGS, SHEET A300 - “EXTERIOR ELEVATIONS – BLDG A – ONLINE SCHOOL”,** revise as follows:
- B. Revise ‘EXTERIOR FINISH SCHEDULE’ – MARK 3 – COLOR as follows:
- a. “SHERWIN WILLIAMS SW7615 SEA SERPENT (CUSTOM COLOR MATCH), OR EQUAL”.
- 4 – 17: DRAWINGS, SHEET A350 - “EXTERIOR ELEVATIONS – BLDG B – SPECIAL EDUCATION ADMIN”,** revise as follows:
- A. Revise ‘EXTERIOR FINISH SCHEDULE’ – MARK 3 – COLOR as follows:
- a. “SHERWIN WILLIAMS SW7615 SEA SERPENT (CUSTOM COLOR MATCH), OR EQUAL”.
- 4 – 18: DRAWINGS, SHEET A654 - “ENLARGE CANOPY PLANS & REFLECTED CEILING PLANS”,** revise as follows:
- A. Revise detail 20/A654 replace dimension 42’- 4 7/8” with 42’-5 1/4”.

END OF ADDENDUM NO. 4

Jamie Miller
Architect of Record

ATTACHMENT 'A'
CLOVIS UNIFIED SCHOOL DISTRICT
FOWLER HERNDON PROJECT

OWNER-CONTROLLED INSURANCE PROGRAM OVERVIEW
AND REQUIREMENTS

Bid

INSURANCE REQUIREMENTS

1. Overview. The Clovis Unified School District (the “**District**”) is a participant in an Owner Controlled Insurance Program (the “**OCIP**”). In accordance with the provisions of Government Code §4420.5, Labor Code §§6300, *et seq.* and Title 8 of the California Code of Regulations, the District has elected to include the Project in the OCIP. This means that the District will provide some of the insurance policies that would normally be provided by the Trade Contractors who are awarded the contract for construction of the Project and its Subcontractors and Sub-Subcontractors. In accordance with the District’s OCIP, the District shall purchase, provide and maintain for the benefit of the Trade Contractors, their Subcontractors and Sub-Subcontractors certain insurance as more particularly set forth in this Section, and subject to the terms and conditions of this Section, the Contract Documents and any addenda to the Contract Documents, for claims which arise out of the Insured Work of the Contract performed by the Trade Contractors, their Subcontractors and Sub-Subcontractors for which the Trade Contractor, its Subcontractors and Sub-Subcontractors may be legally liable. Because the District will provide insurance coverage through an OCIP, Base Bids must be calculated to exclude all insurance costs for coverage provided by the OCIP, as described in Section 4.1 and summarized in Section 4.2 herein. Additionally, Bids must include information demonstrating that the Bidder and its Subcontractors meet certain insurance-related qualification criteria in order for the Bid to be responsive. The Trade Contractors awarded the Contracts and their Subcontractors and Sub-Subcontractors must comply with safety programs established and/or adopted by the District in connection with the OCIP must and comply with other requirements related to the OCIP.

The OCIP is more fully described in the “Insurance Manual”, and the policies and endorsements (“OCIP Coverages”). The OCIP Coverages have precedence and supersede any conflicting provisions contained in the Contract Documents or in the Insurance Manual. In addition, District has arranged for Builder’s Risk insurance coverage. By submitting a Bid, the Trade Contractor is deemed to have agreed and acknowledged that it has reviewed the Insurance Manual, the OCIP Coverages, and the Builder’s Risk Coverage. The OCIP will provide to the Enrolled Trade Contractors/Subcontractors, as defined below, in connection with performance of the Work, the OCIP Coverages. Enrolled Trade Contractors/Subcontractors are responsible for maintaining the insurance coverage described in Section 4.3 below and in the Insurance Manual. The OCIP does not cover Excluded Parties, defined below. Excluded Parties and parties no longer covered by the OCIP shall maintain and shall require each of their Subcontractors and Sub-Subcontractors to obtain and maintain the insurance coverage described in Section 4.4 below and in the Insurance Manual.

2. **Definitions.** Capitalized terms not otherwise defined herein shall have the meanings set forth in the General Conditions,

2.1 Excluded Work. The term “Excluded Work” as used herein means Project-related work that is not conducted at the Project Site is excluded from coverage under the OCIP and the OCIP Insurance. The District is not providing general liability for off-site operations or workers compensation insurance and the District is not providing automobile insurance; Enrolled Trade Contractors/Subcontractors must purchase this insurance and must provide the District with an ACORD 25-S Certificate of Insurance indicating evidence of (a) primary automobile insurance coverage, and (b) proof of general liability for offsite-operations and workers compensation insurance. Refer to Sections 16.12 through 16.17 below.

2.2 Excluded Parties. The term “Excluded Parties” as used herein means (1) vendors; (2) suppliers; (3) contract haulers; (4) equipment owners/operators; (5) those performing surveying services; (6) those performing soil testing; and (7) those solely loading, transporting or unloading materials, personnel, parts or equipment or any other items to, from or within the Site.

2.3 Enrolled Trade Contractors/Subcontractors: The term “Enrolled Trade Contractors/Subcontractors” as used herein means those Trade Contractors, Subcontractors and Sub-Subcontractors who have submitted enrollment forms and have been accepted into the District’s OCIP as evidenced by a Certificate of Insurance for OCIP policies.

2.4 Insured Parties: The term “Insured Parties” as used herein means the District and Enrolled Trade Contractors/Subcontractors named in one or more of the District’s OCIP policies or named in one or more Certificate of Insurance signed by a duly authorized representative of an OCIP insurer.

2.5 Insured Work: The term “Insured Work” as used herein means Work performed on the Site. Any type or description, surveying, soil testing, and solely loading, transporting or unloading of materials, personnel, parts or equipment or any other items to, from or within the Site is excluded.

2.6 OCIP Administrator: The term “OCIP Administrator” means Arthur J. Gallagher Risk Management Services, LLC. or such other company or entity as may be designated by the District. The OCIP Administrator is authorized and empowered to act on behalf of the District to the extent set forth herein and in the Contract Documents. The removal or replacement of the designated OCIP Administrator shall not result in adjustment of the Contract Price or Contract Time or otherwise affect, limit or restrict Contractor’s obligations under the Contract Documents.

3. Base Bid:

3.1 Bidders Must Exclude Insurance Costs from Base Bid. All Base Bids must exclude all insurance costs for General Liability, and Excess Liability OCIP Coverages and Builder’s Risk insurance for operations conducted on Site for all eligible Trade Contractors, Subcontractors and Sub-Subcontractors who will perform Insured Work on the Project Site as summarized in Section 4.2 below and more fully described in the OCIP Coverages. Failure of a Bidder to provide all required documentation may result in rejection of the Bid.

4. Insurance:

4.1 OCIP Insurance Policies Establish OCIP Coverages. The OCIP Coverages and exclusions from coverage are summarized in this Section, in the Insurance Manual, and other Contract Documents and are set forth in full in their respective insurance policy forms. The summary descriptions of the OCIP Coverages in this **Exhibit** and in the Insurance Manual are not intended to be complete or alter or amend any provision of the actual OCIP insurance policies. Enrolled Trade Contractors/Subcontractors must review the insurance policies for actual terms and conditions. In the event any provision of this Exhibit, the Insurance Manual, or the Contract Documents, conflicts with the any of the OCIP insurance policies, the OCIP insurance policies shall govern. Enrolled Trade Contractors/Subcontractors shall be deemed to have reviewed, understood and agreed to all terms and conditions of the OCIP insurance policies, including exclusions from coverage. The OCIP insurance policies are available for inspection upon request.

4.2 Summary of OCIP Coverages. Provided by District The following summary of OCIP Coverages will be provided only to eligible and Enrolled Trade Contractors/Subcontractors during the term of initial construction. Coverage is provided for warranty or correction work after completion of the Project:

4.2.1 Commercial General Liability Insurance (excluding Automobile Liability)

Per Occurrence	\$2,000,000
Aggregate	\$4,000,000
Products/Completed Operations Aggregate*	\$4,000,000

* 10 years Extended Products/Completed Operations Coverage commences upon Substantial Completion of the Project.

4.2.2	Excess Liability Insurance	
	Per Occurrence	\$25,000,000
	Aggregate	\$25,000,000
4.2.3	Builder's Risk Insurance	Project Limits
4.2.4	Contractors Pollution Liability	\$5,000,000

4.3 Insurance Provided by Trade Contractors/Subcontractors: The Contractor, all Subcontractors and Sub-Subcontractors (except Excluded Parties covered under Section **16.12**) shall provide and maintain **Workers' Compensation and Employers Liability for on-site operations** and the following insurance coverages for off-Site operations, with minimum coverage amounts as set forth below:

4.3.1	Workers Compensation Insurance	
	In accordance with limits established by law.	Statutory Limits
4.3.2	Employers Liability Insurance	\$1,000,000
4.3.3	Commercial General Liability Insurance	
	Per Occurrence	\$1,000,000
	Aggregate	\$2,000,000
4.3.4	Automobile Liability Insurance	
	Bodily Injury/Property Damage per Occurrence	\$1,000,000

4.4 Insurance Provided by Excluded Parties.
Pursuant to Section **16.18** the Excluded Parties shall provide and maintain the following insurance coverages, with minimum coverage amounts as set forth below:

4.4.1	Workers Compensation Insurance	
	In accordance with limits established by law.	Statutory Limits
4.4.2	Employers Liability Insurance	\$1,000,000
4.4.3	Commercial General Liability Insurance	
	Per Occurrence	\$1,000,000
	Aggregate	\$2,000,000
4.4.4	Automobile Liability Insurance	
	Bodily Injury/Property Damage per Occurrence	\$1,000,000

4.5 Pollution Legal Liability Insurance.
Pursuant to Section **16.21**, the Excluded Parties shall provide and maintain the following insurance coverages, with minimum coverage amounts as set forth below:

Per Occurrence	\$5,000,000
Aggregate	\$5,000,000

4.6 Duration and Extent of Insurance Coverage Provided by OCIP.

4.6.1 Term and Extent of Coverage for Trade Contractor Upon the District’s acceptance of Substantial Completion of the Agreement and of the work required of the Trade Contractor under the Agreement, all coverage afforded to the Trade Contractor under the OCIP will be automatically terminated without further notice or action, with the exception of a ten (10) year extension of coverage for Products and Completed Operations which commences upon Substantial Completion of the Project. Corrective work, performed after Substantial Completion of the Work pursuant to continuing warranty obligations, is covered by the OCIP. Evidence of Trade Contractor’s Non-OCIP Insurance, as described in Section **16.13** must be in place before Trade Contractor commences corrective work during the warranty period.

4.6.2 Term and Extent of Coverage for Subcontractors. When a Subcontractor or Sub-Subcontractor completes its punch list work, submits Form 6 as described in the Insurance Manual and the District accepts as complete the performance of the Subcontractor or Sub-subcontractor on the Project, all coverage afforded to that Subcontractor or Sub-Subcontractor under the OCIP will be terminated without further notice or action, with the exception of a ten (10) year extension of coverage for Products and Completed Operations which commences upon Substantial Completion of the Project. Corrective work, performed after Substantial Completion of the Work pursuant to continuing warranty obligations, is covered by the OCIP. Evidence of Subcontractors and Sub-Subcontractors Non-OCIP Insurance, as described in Section **16.14** must be in place before Subcontractors and Sub-Subcontractors commence corrective work during the warranty period.

5. Minimum Safety Requirements

5.1 Minimum qualifications for Trade Contractor/Subcontractor OCIP enrollment these safety requirements cannot be modified.

- Drug Program – Pre Assignment
- 6' Fall Protection, harnesses and lanyards required in lieu of other protective means. Exceptions: ladders, scissor lifts, aerial baskets or scaffolding
- OSHA “Serious” Violations - No more than 5 serious violations within 5 years with no more than 2 serious repeats in 5 years
- OSHA “Willful” Violations – NONE
- Hardhats & Safety Glasses are required at all times & other Personal Protective Equipment (PPE) required by work being conducted

5.2 Trade Contractor’s and Listed Subcontractors’ Minimum Safety Requirements.

The Trade Contractor must meet the Minimum Safety Requirements. In addition, in order to be considered a responsive Bid, the Bidder must establish that Listed Subcontractors, who, in the aggregate, will perform at least sixty-five percent (65%) of the Work of the total Bid Amount, inclusive of all additive alternates but exclusive of hazardous materials abatement costs, meet or exceed the Minimum Safety Requirements.

6. Safety Program and Industrial Safety Record Requirements. Bidders must submit all of the following information to the District within 48 hours after the District's request. The District reserves the right to reject a Bid if any of that information discloses that a Bidder is not eligible for OCIP Insurance pursuant to criteria established by the District, OCIP Administrator or the OCIP's underwriter ("**Insurance Carrier**").

6.1 A copy of a written Injury and Illness Prevention Program ("**IIPP**"), or, if a Bidder does not have a written IIPP, a detailed narrative statement of the IIPP that the Bidder intends to use in connection with the Work on the Project Site. The District will require, as a condition to awarding the contract for the Project, that the apparent low Bidder modify its IIPP as necessary to establish the following warnings and fines for observed safety violations:

First instance of specific infraction: verbal and written warning;

Second infraction of same type: \$100 fine;

Third infraction of same type: \$1,000 fine;

Fourth infraction of same type: One day's suspension from project at minimum;

Gross safety violation: Expulsion from job Site.

6.2 A written statement identifying any and all instances during the last five (5) years in which the Bidder was convicted in a state or federal court or administrative action of a "serious violation" and/or "willful violation" of health and safety statutes, regulations, ordinances, orders or other laws. As to each such conviction, the Bidder must include a detailed description of the facts upon which such conviction was based. A Bidder will be ineligible to receive OCIP Insurance (and will therefore be ineligible to be awarded the contract for the Project) if, within the last five (5) years, you have had (a) more than five (5) "serious" violations, (b) more than two occurrences of the same type of "serious" violation (*i.e.* more than two "serious repeat" violations) or (c) any "willful" violation.

6.3 The Bidder must meet the Minimum Safety Requirements. In addition, in order to be considered a responsive Bid Proposal, the Bidder must establish that Listed Subcontractors and Sub-Subcontractors totaling at least sixty-five percent (65%) of the Bidder's total Bid Amount, exclusive of hazardous materials abatement costs, meet or exceed the Minimum Safety Requirements.

7. Additional Information. The District may request additional information from any Bidder to the extent such information is reasonably necessary to allow the District to determine

whether Trade Contractor, Subcontractor or Sub-Subcontractor qualifies to receive OCIP Insurance under the OCIP. If any Bidder cannot or will not provide such information within the time requested by the District, the District may reject that Bid as non-responsive.

8. District's Election to Substitute, Modify or Discontinue OCIP Coverages. District reserves the right, at its option and without obligation to do so, to modify the OCIP Coverages, however Arthur J. Gallagher must be notified prior to any changes. Or any portion thereof, to procure alternative coverages (provided such coverage is not less than that specified in the Contract Documents), or to request Trade Contractor or any of its Subcontractors or Sub-Subcontractors to withdraw from the OCIP. Upon District's thirty (30) day prior written notice, Trade Contractor, Subcontractors and Sub-Subcontractors, as specified by District in such notice, shall obtain and thereafter maintain during the performance of the Work, Workers Compensation, Employer's Liability and General Liability OCIP Coverages and Builder's Risk Insurance with limits as summarized in Subsections 4.2.1, 4.2.2, 4.2.3 and 4.2.5, and with the scope summarized in Subsection 16.12.2 below all as more fully described in the OCIP Coverages. In such event, District shall select the additive Alternate Bid Item for the price stated in the Bid form at the time of award (provided such premium prices are substantiated by Bidder), or if the District makes this election after award, the District shall increase the Contract Price by change order by the pro rata amount of the substantiated premium price attributable to the remaining Work to be performed by Trade Contractor and any designated Subcontractors and Sub-Subcontractors. All insurance secured by the Trade Contractor, Subcontractors or Sub-Subcontractors pursuant to this Article shall be in policies subject to the prior written approval of the District as to form, content, limits of liability, cost and issuing company.

9. The Trade Contractor is required to provide documentation of the following insurance coverages and limits.

The selected Bidder must do all of the following within **48 hours** of the District's request and as a condition to award of the Contract. Failure to comply with the requirements of this section may result in rejection of the Bid.

9.1 Complete and deliver to the District an insurance application in the form of "Form 2 – Insurance Application", which will be provided upon Notice of Award, providing information pertaining to you (that is, the corporation, partnership, limited liability company, individual, or other entity submitting the Bid as the prospective Trade Contractor). That information includes, without limitation, the Bidder's industry classification code(s) for work on the Project Site, the Bidder's projected payroll for the Project, and the Bidder's experience modification factor.

9.2 Cause each of the Subcontractors and Sub-Subcontractors who will perform work or provide materials or services to you in connection with the Project to complete an insurance application in that same form with respect to those subcontractors upon Notice of Award;

9.3 Provide a certificate (or certificates) of insurance evidencing that you have obtained the insurance required for Enrolled Trade Contractors/Subcontractors.

9.4 Provide a certificate (or certificates) of insurance evidencing that you have the current ability to obtain insurance required for Excluded Parties.

9.5 Deliver all of the completed insurance application forms to the District.

10. **Notice of Work Completion.** Not later than ten (10) calendar days after the Trade Contractor's completion of its Work (as defined in the Project Documents) on the Project, the Trade Contractor shall prepare and deliver to the District and OCIP Administrator a "Form 4 – Notice of Work Completion" to be provided by OCIP Administrator upon Trade Contractor enrollment in the OCIP. The Trade Contractor shall cause each of its subcontractors on the Project to prepare and deliver that form to the District and OCIP Administrator within ten (10) calendar days following the completion of the subcontractor's Work on the Project.

11. **Drug Testing Program.** The Trade Contractor shall submit to any drug-testing and/or drug-free workplace program instituted by the District and/or OCIP Administrator in connection with the OCIP relative to the Project. (See Sample Insurance Manual for a copy of the drug screening policy, if applicable.)

12. **Professional Safety Consultant/Compliance with Safety Requirements.** The OCIP Administrator will provide a professional safety consultant to oversee safety procedures on the Project. The Trade Contractor must comply, and must cause its Subcontractors to comply, with the recommendations of that safety consultant and any state or federal OSHA requirements. The safety consultant's recommendations may exceed state or federal OSHA standards.

13. Insurance

13.1 Evidence of OCIP Coverage.

13.1.1 **Evidence of Trade Contractor's OCIP Insurance:** Provided that the Trade Contractor has supplied to the District its completed OCIP Enrollment Form within 5-days of the Notice of Award, the District shall deliver to the Trade Contractor Certificates of Insurance evidencing the insurance coverages provided under Section 4.2 for only the Trade Contractor prior to issuance of the Trade Contractor's Notice to Proceed. Failure or refusal of the Trade Contractor to timely and properly deliver its OCIP Enrollment Form may be deemed by the District to be a default of a material obligation of the Trade Contractor, and thereupon the District may proceed to exercise any right or remedy provided for under the Contract Documents or at law.

13.1.2 **Evidence of Subcontractors' OCIP Insurance:** At least five (5) working days prior to any Subcontractor's or Sub-Subcontractor's commencing Work on the Site, the Trade Contractor shall provide the District with an OCIP Enrollment Form completed and executed by such Subcontractor or Sub-Subcontractor. Provided that the Trade Contractor has timely provided such OCIP Enrollment Form, the District shall deliver to the Trade Contractor a Certificate of Insurance evidencing the insurance coverages provided under Section 4.1 for such Subcontractor or Sub-Subcontractor prior to commencement of such Subcontractor's or Sub-Subcontractor's Work at the Site.

13.1.3 **No Work at the Site without OCIP Insurance:** Under no circumstances shall any Trade Contractor, Subcontractor or Sub-Subcontractor eligible for coverage under the District's OCIP commence Work at the Site without having submitted to the District a completed and executed OCIP Enrollment Form and without having an OCIP Certificate of Insurance issued in the name of such Trade Contractor, Subcontractor or Sub-Subcontractor. It is the sole responsibility of the Trade Contractor to ensure that all Insured Trade Contractors/Subcontractors performing Insured Work of the Project are properly and timely enrolled in the District's OCIP program. Trade Contractor's failure or refusal concerning Trade Contractor's obligations in this regard may be deemed by the District to be a default of a material obligation. Under no circumstances shall Contractor's failure or refusal to ensure that all Insured Trade Contractors/Subcontractors are properly and timely enrolled in the District's OCIP result in any adjustment of the Contract Price or Contract Time.

13.2 Maintenance of Insurance: the District shall maintain insurance as set forth in Subsections 4.2.1 through 4.2.5, inclusive, without interruption from the date of commencement of the Work until date of Substantial Completion. The District shall maintain Completed Operations coverage for a period of ten (10) years after Substantial Completion.

13.3 Substitute Insurance: In the event the District is unable to furnish, or after commencement of the Work elects not to furnish or to continue to furnish the insurance coverage described in Section 4.2, or any portion thereof, and upon thirty (30) days'

written notice from the District to the Insured Trade Contractors / Subcontractors, the District may, in its sole discretion (a) procure and provide to Insured Trade Contractors/Subcontractors at the District's expense substantially similar insurance reasonably available at such time; or (b) require the Trade Contractor to secure and maintain all or as much of the insurance herein described as the District designates at the District's cost as provided in Section 8 above. All insurance secured by the Trade Contractor, Subcontractors or Sub-Subcontractors pursuant to this Section shall be in policies subject to the prior written approval of the District as to form, content, limits of liability, cost and issuing company.

13.4 No Waiver of Contract Obligations: Nothing contained in this Section shall be construed to relieve or limit the Trade Contractor, Subcontractors, Sub-Subcontractors or Excluded Parties of responsibility or obligations imposed by the Contract Documents or in equity or at law, including but not limited to the extent to which the Trade Contractor may be held legally liable for damages to persons or property. Nothing contained in this Section shall be construed as the District's assumption of any responsibility for construction means, methods, techniques, sequences, procedures, safety precautions or programs for the Project, all of which remain the sole responsibility of Trade Contractor, or for acts or omissions of the Trade Contractor, Subcontractors, Sub-Subcontractors, Excluded Parties, or their respective agents or employees, or of any other persons performing portions of the Work.

13.5 Waivers of Subrogation: Trade Contractor hereby waives, and shall require all Subcontractors and Sub-Subcontractors to waive, all rights against the District, its officers, agents, employees, representatives and consultants, Project Manager, Architect, CM, IOR and OCIP Administrator, and their respective agents, officers, employees and representatives, for recovery of damages to the extent those damages are covered by policies of insurance obtained pursuant to Section 4.1.

13.6 District's Right to Audit: The Trade Contractor warrants to the District the accuracy of the information provided in connection with its participation in the District's OCIP and agrees that the District, its officers, agents, representatives, insurance carriers and OCIP Administrator may audit the records, including but not limited to payroll records and insurance records of the Trade Contractor, Subcontractors and Sub-Subcontractors to confirm the accuracy of information provided and to evaluate the effect, if any, on insurance resulting from changes in the Work. Any such audits will be conducted during the Trade Contractor's normal business hours at the office of the Trade Contractor or at another mutually agreeable location. The Trade Contractor shall maintain or cause to be maintained sufficient records as may be necessary to audit its compliance and that of Subcontractors and Sub-Subcontractors with the requirements of the OCIP.

13.7 Assignment of OCIP Refunds and Dividends: Trade Contractor, its Subcontractors and Sub-Subcontractors, in consideration of the agreement of District to arrange insurance and pay premiums as provided by Section 4.2 for the Trade Contractor, Subcontractors and Sub-Subcontractors, and for other good and valuable consideration, assigns to District all return premiums, premium refunds, dividends, and any monies due or to become due under the OCIP policies. Trade Contractor shall require all Subcontractors and Sub-Subcontractors to assign to District all return premiums, premium refunds, dividends, and any monies due or to become due under the OCIP policies.

13.8 Deductible for Builder's Risk Insurance: Trade Contractor shall be responsible for the amount required by the District for each loss or damage covered by the Builder's Risk Insurance provided by the District which is caused by the Trade Contractor or any Subcontractor or Sub-Subcontractor or for which the Trade Contractor, Subcontractor or Sub-Subcontractor is liable, and for all uninsured losses. No loss or damage, if any, incurred hereunder shall excuse Trade Contractor's complete and satisfactory performance of the provisions of the Contract Documents.

13.9 Contractor Responsibility to Repair Damaged Work: Notwithstanding the provisions of this Insurance Requirements Exhibit, and until Final Acceptance of the Work by the District, the Trade Contractor shall have full and complete charge and care of and shall bear all risk of loss of, and injury or damage to, the Work or any portion thereof (including District furnished supplies, material, equipment or other items to be utilized with or incorporated in the Work) to the fullest extent of the law. The Trade Contractor shall rebuild, repair, restore and make good losses of, and injuries or damages to, the Work or any portion thereof (including District furnished supplies, material, equipment or other items to be utilized with or incorporated in the Work) before Final Acceptance of the Work. Such rebuilding, repair or restoration shall be at the Trade Contractor's sole cost and expense; provided, however, that District will make available applicable proceeds from the Builder's Risk policy provided under the District's OCIP

13.10 Adjustment of OCIP Claims: The Trade Contractor, Subcontractors, Sub-Subcontractors and Excluded Parties shall assist the District, its agents and the OCIP Administrator and provide the utmost cooperation in the adjustment of claims arising out of the operations conducted under, or in connection with, the Project and shall cooperate with the District's Insurers in claims and demands that arise out of the work and that the Insurers are called upon to adjust or resist.

13.11 OCIP Coverages; No District Warranty: The District does not warrant or represent that the OCIP coverages constitute an insurance portfolio that adequately addresses the risks of the Trade Contractor, Subcontractors or Sub-Subcontractors. The Trade Contractor, Subcontractors and Sub-Subcontractors shall satisfy themselves as to the existence, extent and adequacy of the OCIP coverages prior to the commencement of work under the Contract.

13.12 Insurance Provided by Trade Contractor / Subcontractors: The Trade Contractor shall, for the duration of the Contract, provide and maintain insurance and shall require each Subcontractor and Sub-Subcontractor (except Excluded Parties covered under Section 16.18) to provide and maintain insurance of the type and in the limits as set forth below and in Section 4.3. Except as otherwise provided by Builder's Risk Policy, the Non-OCIP Insurance is intended to cover employee injury, personal injury, bodily injury and property damage liability for work performed away from the Project Site and for Work of the Project performed after Substantial Completion, including but not limited to corrective work performed during the warranty period. Such insurance may be provided in single policy or multiple policies (primary and excess), including an umbrella form and is subject to the following:

13.12.1 In the event one of the insureds incurs liability to any other of the Insureds, these policies shall provide protection for each insured against which

claim is or may be made, including claims by other insureds in the same manner as if separate policies had been issued to each insured.

13.12.2 Notice of occurrences or claims under the policies shall be made to the District's Representative.

(a) Workers' Compensation/Employer's Liability Insurance: The Trade Contractor shall provide and shall require each Subcontractor and Sub-Subcontractor (except Excluded Parties covered under Section 16.18) to provide Workers' Compensation/Employer's Liability insurance in the statutory limits of the workers' compensation laws of the State of California, including Coverage B – Employers Liability, in an amount not less than that specified in the Supplemental Conditions, for all Project-related operations.

(b) Commercial General Liability Insurance: The Trade Contractor shall provide and shall require each Subcontractor and Sub-Subcontractor (except Excluded Parties covered under Section 16.18) to provide Commercial General Liability insurance in a form providing coverage not less than that of an ISO Commercial General Liability coverage form (occurrence form) 1998 edition or later for all operations of the party required to furnish same, including hazards of operations (including explosion, collapse and underground coverage), elevators, independent contractors, employees as additional insureds, completed operations, with contractual liability coverage (for contracts related to the Work), personal injury liability and excess Employer's Liability, for personal injury, bodily injury and property damage arising out of the Work, for operations away from the Project Site and after Substantial Completion in policies of insurance with limits in an amount not less than that specified in the Supplemental Conditions.

(c) Automobile Liability Insurance: The Trade Contractor shall provide and shall require each Subcontractor and Sub-Subcontractor (except Excluded Parties covered under Section 16.18) to provide Automobile Liability insurance covering all owned, non-owned and hired automobiles, trucks, and trailers of the Trade Contractor, Subcontractors and Sub-Subcontractors. Such insurance shall provide coverage not less than that of the Standard Comprehensive Automobile Liability policy with limits not less than that specified in the Supplemental Conditions for occurrences both at and away from the Project Site.

13.13 Evidence of Trade Contractor's Non-OCIP Insurance: Concurrently with delivery of the executed Contract, Contractor shall deliver to the District Certificates of Insurance evidencing the Trade Contractor's Non-OCIP Insurance coverage required by Sections 4.3 and 16.12. Failure or refusal of the Trade Contractor to so deliver Certificates of Insurance may be deemed by the District to be a default of a material obligation of the Trade Contractor under the Contract Documents, and thereupon the District may proceed to exercise any right or remedy provided for under the Contract Documents or at law.

Under no circumstances shall Trade Contractor commence Work at the Site without having submitted to the District Certificates of Insurance for all Non-OCIP Insurance provided by the Trade Contractor. Trade Contractor's failure to timely provide the District with all Non-OCIP Certificates of Insurance shall not result in any adjustment of the Contract Price or Contract Time. The Certificates of Insurance and the insurance policies required by Sections 4.3 and 16.12 shall contain a provision that coverage afforded under such policies will not be canceled or allowed to expire without at least thirty (30) days' prior written notice to: District, District Service Center, attn: Contracts Administrator. Should any policy of insurance required under Section 4.3 be canceled and the Trade Contractor fails to immediately procure replacement insurance as required, the District reserves the right to procure such insurance and to deduct the premium cost thereof and other costs incurred by the District in connection therewith from any sum then or thereafter due the Trade Contractor under the Contract Documents. Upon District's request, the Trade Contractor shall furnish satisfactory proof of coverage of each type of Non-OCIP Insurance required by the Contract Documents, including copies of the insurance policies or renewals or replacements in form and content acceptable to the District; failure of the Trade Contractor to comply with the District's request may be deemed to be a default of a material obligation of the Contract Documents.

13.14 Evidence of Subcontractors' Non-OCIP Insurance: Trade Contractor shall require that every Subcontractor or Sub-Subcontractor (except Excluded Parties covered under Section 16.18) obtain and maintain the policies of insurance set forth in Section 4.3 herein. The limits of liability of such policies shall be as set forth in Section 4.3. Each of the policies of insurance obtained and maintained by a Subcontractor or Sub-Subcontractor hereunder shall conform to the requirements of Section 16.12. Upon request of the District, Trade Contractor shall promptly deliver Certificates of Insurance evidencing that the Subcontractors and Sub-Subcontractors have obtained and maintained policies of insurance in conformity with the requirements of Section 16.12. Failure or refusal of the Trade Contractor to provide the District with such Certificates of Insurance may be deemed to be a material default of Contractor under the Contract Documents.

13.15 No Work at the Site without Non-OCIP Insurance: Under no circumstances shall any Trade Contractor, Subcontractor or Sub-Subcontractor (except Excluded Parties) commence Work at the Site without having all Non-OCIP Insurance issued and in effect in accordance with the provisions of Section 16.12. Trade Contractor's failure or refusal concerning Trade Contractor's obligations in this regard may be deemed by the District to be a default of a material obligation. Under no circumstances shall Trade Contractor's failure or refusal in this regard result in any adjustment of the Contract Price or Contract Time.

13.16 Trade Contractor Insolvency: In the event that a Trade Contractor defaults on their financial obligation to the District, it is the responsibility of the District to notify the OCIP of the default. Before a new contractor is selected by the surety, the contractor must meet the OCIP safety requirements before they can be considered for replacement.

13.17 Additional Insurance: Pursuant to the provisions of Government Code §4420(b) (5), nothing contained in the Contract Documents or otherwise shall prohibit the Trade Contractor, its Subcontractors, any Sub-Subcontractor or any other entity providing or performing Work of the Project from purchasing any additional insurance or coverage

which he, she or it believes is necessary to protect such person or entity from any liability arising under the Contract Documents, the Project or the Work. Any such additional insurance procured by such person or entity shall be at the procuring party's sole expense.

13.18 Waivers of Subrogation: Trade Contractor hereby waives, and shall require all Subcontractors and Sub-Subcontractors to waive, all rights against the District, its officers, agents, employees, representatives and consultants, Project Manager, Architect, CM, IOR and OCIP Administrator, and their respective agents, officers, employees and representatives, for recovery of damages to the extent those damages are covered by policies of insurance obtained pursuant to Sections 4.3 and 4.4.

13.19 Insurance Provided by Excluded Parties: The Trade Contractor shall require all Excluded Parties to provide and maintain insurance of the type and limits set forth below and in the Section 4.4. Such insurance shall name the parties required to secure same as insureds and shall be in a form and through issuing companies acceptable to the District. Such insurance may be provided in single policy or multiple policies (primary and excess), including an umbrella form. Such insurance shall contain a defense of suits provision and shall provide the coverages set forth in Section 4.4 under the following conditions:

(a) Notwithstanding any inconsistent statement in the policies obtained by Trade Contractor and/or Excluded Parties, or any endorsement or certificate attached thereto, it is agreed that the District, its officers, agents, employees and representatives, Project Manager, Architect, IOR and OCIP Administrator, and their respective officers, agents, employees and representatives, are additional insureds, and that coverage is provided for all operations, uses, occupation, acts and activities of such insureds under the Contract Documents, as may be amended or adjusted, regardless of whether liability is attributable to the insured or a combination of the insured and one or more additional insureds. The Trade Contractor shall name, and shall require the Excluded Parties to name, the District, its officers, agents, employees and representatives, the Project Manager, Architect, IOR and OCIP Administrator, and their respective officers, agents, employees and representatives, as additional insureds under the policies required pursuant to Section 4.4. As to the insurance required by Section 16.18.2, such additional insured status shall be provided and maintained using ISO additional insured endorsement CG 20 10 (11/85 edition), or a substitute providing equivalent coverage. The additional insured status required herein as to Section 16.18.2 shall be maintained on behalf of all specified parties for a period of ten (10) years after Final Acceptance of the Work. Upon the District's request, the Trade Contractor and/or Excluded Party shall provide copies of all additional insured endorsements procured pursuant to this Section.

(b) The coverage provided by the policies obtained by Trade Contractor and/or Excluded Parties is primary coverage and non-contributing with insurance, if any, carried by the District, its officers, agents, employees and representatives, the Project Manager, Architect, IOR or OCIP Administrator, and their respective officers, agents, employees and representatives. All such additional insured endorsements issued thereon shall be so endorsed.

(c) In the event one of the insureds incurs liability to any other of the insureds, these policies shall provide protection for each insured against which claim is or may be made, including claims by other insureds in the same manner as if separate policies had been issued to each insured.

(d) Notice of occurrences or claims under the policies shall be made to the District's Representative.

13.19.1 Workers' Compensation/Employer's Liability Insurance: The Trade Contractor shall require all Excluded Parties to provide Workers' Compensation/Employer's Liability insurance in the statutory limits of the workers' compensation laws of the State of California, including Coverage B – Employer's Liability, in an amount not less than that specified in the Supplemental Conditions, covering operations of the party in connection with the work both at and away from the Project Site.

13.19.2 Commercial General Liability Insurance: The Trade Contractor shall require all Excluded Parties to provide Commercial General Liability Insurance in a form providing coverage not less than that of an ISO Commercial General Liability coverage form (occurrence form) 1998 edition or later for all operations of the party required to furnish same, including hazards of operations (including explosion, collapse and underground coverage), elevators, independent contractors, employees as additional insureds, products and completed operations (for ten (10) years after Final Acceptance of the Work), with contractual liability coverage (for contracts related to the Work), personal injury liability and excess Employer's Liability, for personal injury, bodily injury and property damage arising out of the Work in policies of insurance with limits in an amount not less than that specified in the Supplemental Conditions.

13.19.3 Automobile Liability Insurance: The Trade Contractor shall require all Excluded Parties to provide Automobile Liability Insurance covering all owned, non-owned and hired automobiles, trucks and trailers of the Excluded Parties. Such insurance shall provide coverage not less than that of the Standard Comprehensive Automobile Liability policy with limits in an amount not less than that specified in the Supplemental Conditions for occurrences both at and away from the Project Site.

13.20 Evidence of Excluded Parties' Insurance: Trade Contractor shall require that every Excluded Party obtain and maintain the policies of insurance set forth in Sections 4.4 and 16.18.1 through 16.18.4 herein. The limits of liability of such policies shall be as set forth in Section 4.4. Each of the policies of insurance obtained and maintained by an Excluded Party hereunder shall conform to the requirements of Section 16.18. Upon request of the District, Trade Contractor shall promptly deliver Certificates of Insurance evidencing that the Excluded Parties have obtained and maintained policies of insurance in conformity with the requirements of Section 16.18. Failure or refusal of the Contractor to provide the District with such Certificates of Insurance may be deemed to be a material default of Contractor under the Contract Documents.

13.21 No Work at the Site without Excluded Parties' Insurance: Under no circumstances shall any Excluded Party commence Work at the Site without having all insurance issued and in effect in accordance with the provisions of Section 16.18. Trade Contractor's failure or refusal concerning Trade Contractor's obligations in this regard may be deemed by the District to be a default of a material obligation. Under no circumstances shall Trade Contractor's failure or refusal in this regard result in any adjustment of the Contract Price or Contract Time.

13.22 Pollution Legal Liability Insurance: Trade Contractor (if performing or providing any hazardous waste services, abatement or otherwise, of any type or description for the Project) shall provide and maintain, and shall require any other person or entity performing such services to provide and maintain (hereinafter collectively referred to as "Hazardous Waste Contractor"), insurance covering losses caused by pollution conditions that arise from the operations, including the completed operations, of such Hazardous Waste Contractor. Such insurance shall apply to bodily injury and property damage, including loss of use of damaged property or of property that has not been physically injured, cleanup costs and defense, including costs and expenses incurred in the investigation, defense or settlement of claims. The policies of insurance affording these coverages shall be written with limits in an amount not less than that set forth in the Supplemental Conditions. Coverage shall apply to sudden and non-sudden pollution conditions resulting from the escape or release of smoke, vapors, fumes, acids, alkalis, toxic chemicals, liquids or gases, waste materials or other irritants, contaminants or pollutants. The policies of insurance issued hereunder shall be written by an insurer acceptable to the District and shall be endorsed to include as insureds the District, its officers, agents, employees and representatives, Project Manager, Architect, CM, IOR and OCIP Administrator, and their respective officers, agents, employees and representatives. If coverage is written on a claims-made basis, the Hazardous Waste Contractor shall warrant that any retroactive date applicable to coverage under the policy precedes the effective date of this Contract and that continuous coverage will be maintained, or an extended discovery period will be exercised, for a period of ten (10) years from Final Acceptance of the Work. If coverage is written on an occurrence basis, the District, its officers, agents, employees and representatives, Project Manager, Architect, CM, IOR and OCIP Administrator, and their respective officers, agents, employees and representatives, shall be named as insureds on the Hazardous Waste Contractor's pollution legal liability policies for operations, including completed operations, relating to, or arising out of, work for the Project for a period of ten (10) years after Final Acceptance of the Work. At least five (5) working days' prior to any Hazardous Waste Contractor's commencing Work on the Site; Trade Contractor shall provide the District with Certificates of Insurance evidencing the coverage required hereunder.

13.23 Trade Contractor Obligations: Trade Contractor agrees to comply with any and all terms and conditions of the policies of insurance provided by District and to comply with any and all claims handling procedures, loss prevention programs and other programs required by or related to the District's OCIP as set forth herein. Trade Contractor shall require Subcontractors, Sub-Subcontractors and all others covered by the District's OCIP insurance policies to so comply. Trade Contractor, its Subcontractors and Sub-Subcontractors shall furnish to the District, its OCIP Administrator, its designee or the insurers under the OCIP policies all information and documentation that such entity may

require from time to time in connection with the issuance of policies under this Contract or the administration of the OCIP in such form and substance as such entity may prescribe and promptly comply with the recommendations of the OCIP insurers. Trade Contractor shall not violate, or knowingly permit to be violated; any conditions of the policies of insurance provided by the District hereunder and shall at all times satisfy the requirements of the insurers issuing them. Trade Contractor shall assure that all OCIP requirements imposed upon and to be performed by the Trade Contractor shall likewise be imposed upon, assumed and performed by each Subcontractor and Sub-Subcontractor. If the Trade Contractor, Subcontractors, Sub-Subcontractors or Excluded Parties should fail to comply with the requirements of this Section, the District may withhold payment due to the Trade Contractor or suspend the work at the Trade Contractor's sole expense and without adjustment of the Contract Price or Contract Time until such time as the Trade Contractor, its Subcontractors, Sub-Subcontractors and/or Excluded Parties have performed such obligations to the reasonable satisfaction of the District.

13.24 Minimum safety requirements cannot be changed by the District and or by the District representatives.

Disclaimer

It is recommended that these documents be reviewed by counsel before insertion into the bid specifications. Any changes to these documents must be reviewed by our office before including in any bid specifications. No changes can be made to any of the safety requirements listed herein.

Please send a copy of your final Bid Language regarding OCIP Insurance provision to Arthur J. Gallagher & Co.

How do I remove the insurance cost relating to the OCIP from my Bid? You will need to determine what you will pay for insurance for this particular project if your regular insurance carrier(s) were to provide the coverage for your work.

PROJECTED GENERAL LIABILITY INSURANCE COST

STEP 1 – To determine the cost associated with General Liability coverage, you must know the rate and premium basis that your insurance carrier uses. General Liability premiums can be based on payroll, contract value, or receipts and the premium rates can be applied per 100 or per 1,000.

Class Code	Premium Basis	Rate per \$100 or per \$1000	GL Premium
97447	Estimated Payroll: \$6,915	2.98 Per 100	\$206.06
$\$6,915 \times 2.98 = \$20,606.70$ $\$20,606.70 \div 100 = \206.06			
NOTE – In addition to the above basic calculation, your existing General Liability carrier may apply various credits (which reduce your Modified Premium) or debits (which increase your Modified Premium). Please contact your agent or call the OCIP Administrator (949) 349-9859 if you require assistance.			

If you have any question regarding the above calculations please determine the total work hours for this project and contact your insurance broker for assistance in determining your Bid deductions. If you leave your insurance cost in the Bid and your competitor removes it he/she should be the lower Bidder with all factors being equal.



Clovis Unified School District

Owner Controlled Insurance Program (OCIP)

Insurance Manual

Project: Fowler / Herndon Project

Project #: Clovis-03

IMPORTANT: When enrolling online insert project number above as project code!!

PRESENTED BY:
Gallagher Construction Services

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An Introduction to the OCIP Program

This manual outlines the details and instructions for all parties for this Owner Controlled Insurance Program (“OCIP”). Clovis Unified School District (“Owner”) provides Commercial General Liability, Umbrella Liability, Builders Risk and Contractors Pollution Liability coverage for all enrolled trade and subcontractors of any tier while working on this project.

Major benefits

- Uniformity of coverage terms and conditions
- Reduced Administrative burden
- Insurance costs will not increase for subcontractors during the project
- Reduces coverage disputes, litigation and subrogation
- Immediate Insurer response for subcontractors’ accidents
- One Insurer for all completed operations claims
- Project Specific Limits of Liability

Coverage provided

General Liability and Umbrella Liability Insurance

The OCIP program provides \$XX,000,000 of liability limits during construction, and a separate \$XX,000,000 completed operations limit during for the State Statute of Repose or Ten (10) years following substantial completion, whichever is less. Limits apply to the Owner and all trade contractors and subcontractors with one \$XX,000,000 general aggregate and a \$XX,000,000 limit for products/completed operations.

Subcontractor Enrollment

All prime and subcontractors and lower tier subcontractors MUST enroll online through the Arthur J. Gallagher Contractor Portal <http://ajg.vuewrapup.com/contractorportal>. Each subcontractor will receive a Certificate of Insurance listing them as a Named Insured and specifying the job name and Owner project number. This program is mandatory for all trade contractor and subcontractors of any tier. However, it will not be extended to environmental subcontractors, subcontractors working under a Professional Services Agreement (PSA), Construction Staking and Surveying Agreement, or other similar professional services only agreement. Failure to comply with enrollment requirement may result in a **2%** charge against your contract value until compliant.

Subcontractor Bid Deduction

Trade Contractors and Subcontractors will **exclude** in their bids their normal costs of insurance for general liability, excess liability, builders risk and contractors pollution liability. Change Orders are also to be processed **without** the cost of the same insurance coverages.

Project Term

TBD

Insurance Carriers:

General Liability: TBD
Excess Liability: TBD

Deductible Charge for Losses

Trade Contractor and Subcontractors shall be responsible for the first **\$5,000** of any losses only within the deductible amount for such insurance to the extent such loss results from the fault or neglect of a trade contractor or subcontractor of any tier, or someone for whom either may be responsible.

Trade Contractor and Subcontractor Off-site Coverage

Owner will still require Certificates of Insurance for Workers' Compensation for both on and off-site, Automobile, and off-site General Liability and Excess Liability and Professional Liability where applicable coverages as required by subcontract.

Trade Contractor and Subcontractor Excess Limits

Each insured trade contractor and subcontractor should discuss this program with its own insurance advisor to see if additional coverages are recommended. Any such additional coverage will be at the subcontractors' own expense. Should Owner purchase additional limits of liability for any specific project, those will be disclosed.

Claims Management

Claims will be reported to Owner, Construction Manager and Gallagher Construction Services as required by this Manual. Gallagher Construction Services maintains full service claims departments experienced in handling construction related claims. Our claim professionals will assist you with any claims related questions.

DISCLAIMER - This is a summary of the OCIP Program only. It does not change, alter or modify the policy terms and conditions in any way. Actual policy forms and Endorsements are available upon request.



Insurance Coverages

The Owner provides the following Owner Controlled Insurance Program (“OCIP”) to all enrolled trade and subcontractors under the program. Policy copies are available upon request.

a. **Commercial General Liability Insurance**

(Excluding Workers’ Compensation, Automobile, and Professional) applying to all Insureds jointly with the following Bodily Injury and Property Damage combined limits:

Limits	
\$2,000,000	Each Occurrence
\$2,000,000	Personal and Advertising Liability
\$4,000,000	General Aggregate
\$4,000,000	Products and Completed Operations Aggregate
Excluded	Damages to Premises Rented to You
Excluded	Medical Expense

Completed Operations coverage is provided for the statute of repose or ten (10 years, whichever is less).

b. **Excess Liability Insurance**

Limits	
\$25,000,000	Each Occurrence
\$25,000,000	General Aggregate
\$25,000,000	Products and Completed Operations Aggregate

d. Deductibles: For each contractor per occurrence

Trade Contractors and Subcontractors shall be responsible for the first \$5,000 of any losses within the deductible amount for such insurance to the extent such loss results from the fault or neglect of the trade contractor or subcontractor of any tier, or someone for whom either may be responsible. It is your responsibility to familiarize yourself with the requirements and responsibilities associated with losses and the assessment of deductibles associated with losses under this program.

e. Defense Costs

Defense costs are in addition to the limits of liability of the OCIP Policies.

The coverages under this program do not include all insurance needed by the Trade Contractor and Subcontractor and its Subcontractors of any tier. For example, General Liability, Excess coverages apply only to the operations of and for each Insured at the Project Site. They do not apply to the operations of any Insured in their regularly established main or branch office, factory, warehouse, or similar place.

This summary is not intended to amend or alter any provisions of the actual insurance policies. If a conflict should occur, the insurance policies shall govern. Actual policy copies will be provided upon written request.



Program Eligibility

All qualified subcontractors of any tier whose employees perform actual on-site labor are **required** to participate in **Owner's** OCIP and follow through with the enrollment and participant responsibilities as noted throughout this Manual.

Coverage Trigger

Coverage will begin the date you begin work at the site and is contingent on completing the OCIP Enrollment Online through the **Arthur J. Gallagher Contractor Portal** at <http://ajg.veuwrapup.com/contractorportal>. Once your enrollment has been completed you will receive a Certificate of Insurance confirming the coverage from Gallagher Construction Services. **It is your responsibility to complete and satisfy all enrollment requirements before you begin work on the project.** Failure to supply all requested insurance documents, will result in a flat 2% charge against your entire contract amount. You are also responsible for ensuring that any lower tier subcontractors you hire complete the **Online Enrollment** before they begin their work at the project site. If you or your lower tier subcontractors have NOT completed the **Online Enrollment** process and have NOT received confirmation of enrollment from Gallagher Construction Services, no coverages will be afforded, and you will not be permitted onsite.

Ineligible Parties

Subcontractors who present an exceptionally hazardous exposure or risk to the job site may not be eligible to participate, at Owner's discretion. It is your responsibility to contact Gallagher and confirm your eligibility before you begin work on the project.

Not everyone will be a participant. For example, the following are ineligible for the program: Subcontractors of any tier that are:

- Architects
- Engineers
- Consultants
- Vendors
- Suppliers
- Manufacturers
- Material dealers,
- Off-site fabricators with no on-site installation
- Others who merely transport, pick up, deliver or carry materials, personnel, parts or equipment or any other items or persons to or from the project site
- Hazardous material / abatement, or asbestos abatement contractors

If you are uncertain whether your firm will be a participant in this program, or wish confirmation of your eligibility, please contact the administrator at Gallagher Construction Services. Contact information can be found on the personnel page at the end of the manual.

Construction Manager will coordinate the program at the project site. Gallagher Construction Services will be administering the program from their offices. A complete contact list is in the back of this Manual.

Enrollment Responsibilities Flow Chart

#	Action Item	Responsibility
1	Distribute Manual to prospective bidders or subcontractors.	Construction Manager
2	Send Manual to your Insurance Agent/Broker for assistance, if necessary, in completing the Online Enrollment .	Trade Contractor or Subcontractor
3	Distribute Manual to prospective lower tier bidders/subcontractors.	Trade Contractor or Subcontractor
4	Complete Online Enrollment and forward to Gallagher insurance documents from you and your lower tier subcontractors.	Trade Contractor or Subcontractor
5	Send Insurance Certificate to General Contractor in accordance with the Insurance Requirements of the Subcontract Agreement	Trade Contractor or Subcontractor
6	Confirm all site subcontractors' and/or lower-tier subcontractor(s) enrollment in program. Gallagher will issue written confirmation.	Gallagher
7	Certificate of Insurance, Insurance Cost Worksheet and policy copies upon request.	Gallagher
8	Advise your Insurance Agent/Broker of insurance coverages provided by General Contractor so that proper notice can be made to your current insurers.	Trade Contractor or Subcontractor or Lower-tier subcontractor
9	Complete "Close-out" online when all your work is completed. Failure to do may will result in a 2% charge against your contract value.	Trade Contractor or Subcontractor or Lower-tier subcontractor

Insurance Required From Contractors of Any Tier

Please note that the coverages provided by **Owner** are designated to cover you only while you are actively engaged in construction activities at the **Fowler Herndon** project site. Therefore it is imperative that you maintain your own insurance coverage for **off-site operations**.

The required insurance of every participant is outlined in detail below. The following coverages are required:

1. **Statutory Workers' Compensation** Insurance and \$1,000,000 Employers' Liability for on & off-site operations, warranty and call-back work.
2. **General Liability** Insurance for off-site operations.
 - A. **Trade and Subcontractor of every tier** required limits are not less than \$1,000,000 per occurrence and \$2,000,000 for Products and Completed Operations and General Aggregate.
3. **Excess/Umbrella Liability** Insurance for off-site operations. May be used to supplement other coverages if needed.
4. **Automobile Liability** Insurance with limits not less than \$1,000,000 combined single limit covering all owned, non-owned and hired automobiles.
5. **Professional Liability** Insurance for subcontractors, sub consultants, architects, engineers, or surveyors rendering professional services, if applicable.
6. The Subcontractor of any tier shall require their respective vendors, suppliers, off-site fabricators, material dealers, truckers, drivers and others who merely transport, pick-up, deliver or carry materials, personnel, parts or equipment to or from the project site to maintain insurance in the form and with the limits as specified **in this Insurance Manual**.

The Insurance Manual outlines in detail the required coverages for all participants. It is important to review this document and supply the required Certificate of Insurance prior to the start of work. Please note that progress payments may be withheld if required insurance is not on file. If you have questions regarding any of the required insurance, feel free to contact the administrator at Gallagher Construction Services. Contact information can be found on the personnel page at the end of the manual.

Online Enrollment Instructions - AJG/VUE Online Portal

To start please open your internet browser and go to the AJG Wrap-up Management Portal URL (<https://ajg.vuewrapup.com/contractorportal>). This will open the portal login screen.

Step 1: Registering and Logging In

Click the **Register Me** link at the bottom right hand corner of the login box. **If you are already registered, proceed to Step C.**

First time users please click here to register.

- A. Fill in the form with your first name, last name, email ID (email address) and enter the user ID you would like to use. Your user ID can be any name or phrase you will easily remember, such as your first initial and last name (preferred), your company name, or your email address. Password must contain letters, numbers and symbols. All fields are required.

Gallagher
Insurance | Risk Management | Consulting

Register in VUE Wrap-Up Contractor Portal!

VUE Wrap-Up™ organizes subcontractor communications, eliminates paperwork and reduces manual intervention and electronically organizes documents to eliminate the need for paper filing systems.

You can provide and manage the following information from our Contractor portal.

- Enrollment Information.
- Monthly Payroll.
- Insurance Cost Information.
- Submit Certificate of Insurance.
- Submit policy's Declaration and Rate pages.
- Award your subcontractors.
- CIP Manuals.
- Claims Reporting Instructions.

New User Registration

First Name

Last Name

FEIN

Email ID

User Name

Password

Confirm Password

I agree to the [Terms and Conditions and Privacy Policy](#).

CANCEL SUBMIT

- B. When your registration has been completed successfully, you will see the message **“User ID and Password are created”**. **Please click here to login to “Contractor Portal”**. Click the link to be redirected to the login page where you can login to the portal to complete your enrollment. You will also receive an email with your User ID and Password for your records.
- C. Use your provided or created User ID and Password to login. If any error messages appear, contact your AJG Wrap-up Administrator.

Step 2: Accessing Existing Enrollment or Adding a New Enrollment

- A. If your incomplete enrollment already has a contract in the system, you may be required to fill in the missing details. Your contract can be selected by clicking on the contract number hyperlink in the Contract # column.

Welcome: Heather Lawson [Sample Contractor]
Last Login Time: 02/15/23 04:05 PM EST

Home

Contract

Reports

- Enrollment Status
- Missing Data Report
- Payroll Summary by Class Code
- Non-CIP Status

Help & Support

- Take a Tour
- Help Instructions
- Message Center 4
- Contact Us

Accounts

- Change Password
- Add User

Hello, you are logged into the Contractor Portal.

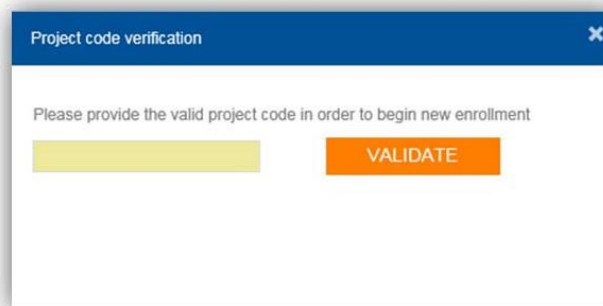
For new and returning users who need to create a new enrollment record, please add [NEW ENROLLMENT](#).

Contractor

Select

Contract #	Project	Contractor	Contract Status	Start Date
CONTRACTOR: Sample Contractor				
1234567-060	Sample Project	Sample Contractor	Enrolled	08/07/2021
1234567-061	Sample Project	Sample Contractor	NKLL	05/26/2021
1234567-063	Sample Project	Sample Contractor	Enrolled	05/26/2021
1234567-064	Sample Project	Sample Contractor	Enrolled	05/26/2021
1234567-065	Sample Project	Sample Contractor	Enrolled	05/26/2021
1234567-066	Sample Project	Sample Contractor	Enrolled	05/26/2021

- B. If you do not see a contract for the specific project you are enrolling in, click the “New Enrollment” button.
- C. When the user clicks on the [New Enrollment](#) link, a pop up screen will open as shown below. Users should provide the Project Code as listed in their Wrap Up manual or provided by their Wrap Up Administrator.



Step 3: Completing the Application For Enrollment

- A. The Application For Enrollment includes the following sections, each of which can be accessed via the Menu on the left of the screen:
 - a. Company Information
 - b. Contract Information
 - c. Address Information
 - d. Contact Information
 - e. Subcontract Listing

Home

Application For Enrollment

In order for your company to be considered enrolled and covered under the Wrap Up Insurance, you must complete the details below. Any missing information may result in your contract being Incomplete and could delay insurance coverage. You will receive notices for any missing details required to complete and process your application. If you do not qualify for Wrap Up coverage, we will notify you. If your company qualifies for coverage and once all enrollment details have been provided you will receive a copy of your Welcome Letter and Certificate of Insurance evidencing coverage in the Wrap Up.

Provide Company Information

Project*

Contractor Legal Name* [Add New](#)

Federal ID #*

DBA [Add New](#)

Business Type*

License [Add New](#)

[SAVE FOR LATER](#) [NEXT](#)

- Home
- Contract
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 - Company Information**
 - Contract Information
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 - Payroll
 - Documents
 - Close Out
- Reports
 - Enrollment Status
 - Missing Data Report
 - Payroll Summary by Class Code
 - Non-CIP Status
- Help & Support

Fill in each section with your information to the best of your ability. Fields in yellow are required to submit the enrollment. For a new enrollment, all fields should be filled in. If a contract has been added to your portal by an AJG Wrap-up Administrator, you may not be able to edit some fields. If you notice a mistake in a non-editable field, contact your AJG Wrap-up Administrator and ask them to make the update. If you are not sure what a field is requesting, hovering over the field title will show captioned explanations:

Home

- Contract
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 - Take a Tour
 - Help Instructions
 - Message Center 4
 - Contact Us

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Provide Company Information

Project*

Contractor Legal Name* [Add New](#)

Federal ID #* [Add New](#)

This is your Company's Federal Tax Identification Number.

Business Type*

License [Add New](#)

SAVE FOR LATER
NEXT

- a. Company Information –You must enter your correct Federal ID # if it's not there.
- b. Contract Information – This information should be specific to this project and contract.
- c. Address – Please provide your company's address. If you have multiple addresses please provide the address for the branch that is responsible for the contract.
- d. Contact - In the Contact section you must enter at least one contact and it must be marked as primary. You may also add additional contacts by clicking the green plus sign on the right side of the screen. If you have previous enrollments you can select Existing Contacts here:

Gallagher
Insurance | Risk Management | Consulting

Welcome: Heather Lawson [Sample Contractor]
Last Login Time: 02/15/23 04:05 PM EST

Home Application For Enrollment

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Provide Contact Information

Please select an existing contact record or add a new contact by completing the fields below. If you wish to provide more than one contact you can do so by clicking on the "Add" button. Note: You must select one contact record as "Primary"

Select Existing Contact

Contact Type* Primary

Please select Contact Type.

First Name* Last Name

Please provide First Name.

Email* Mobile

Please provide Email.

Phone*

Please provide Phone.

PREVIOUS SAVE FOR LATER NEXT

e. Subcontract Listings – You must add any on site subcontractors you have awarded. Subcontractors must be enrolled separately. “Add Subcontract”, “Edit Subcontract”, and “Delete Subcontract” are available in blue on the right side of the screen:

Gallagher
Insurance | Risk Management | Consulting

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Sample Contractor / 1234567-084

Add Subcontract | Edit Subcontract | Delete Subcontract

Sub Contracts

Contract #	Project	Contractor	Contract Status	Start Date
No records to display.				

No items to display 50 items per page

PREVIOUS NEXT

Review – Please review the information entered and any information needs revised click the orange “EDIT” button on the right side of the line. If everything is correct click the “I agree that the statements in this application are true and accurate to the best of my knowledge.” box and enter your name into the Signature box:

The screenshot shows the Gallagher web application interface. At the top, the Gallagher logo is on the left, and the user's name and last login time are on the right. A navigation menu on the left lists various sections, with 'Review' highlighted and a red arrow pointing to it. The main content area displays a table for 'Contact Type' with columns for Contact Name, Email, Mobile, Phone, and Primary. Below this is an 'Additional Information' section with an 'EDIT' button and a question about Umbrella/Excess Policy. Another 'Subcontractors' section with an 'EDIT' button and a table with columns for Contract #, Contractor, Start Date, End Date, Contract Value, and Contract Status is shown. At the bottom, there is a checkbox for agreement, a signature field (highlighted with a red box), and an enrollment date field. Three buttons (PRINT, SUBMIT, SAVE FOR LATER) are at the bottom right.

Accident Reporting for General Liability Claims

1. **If an injury is involved, the Trade Contractor or Subcontractor's superintendent must immediately arrange for first aid** or other required medical treatment for the injured party.
2. **All Incidents, regardless of severity**, shall be reported immediately to the Job Site Contact and On-site Safety Coordinator and **reported to the Insurer by telephone**.

The Prime or Subcontractor's superintendent must complete a General Liability Loss Notice for each accident with the following distribution:

Karen Durley
Gallagher
Loss Control
Karen_durley@ajg.com
18201 Von Karman Avenue, Suite 200
Irvine, CA 92612

3. **Any Court Summons, legal documents or other correspondence must be immediately referred to Gallagher Construction Services by registered mail.** Additional questions concerning suit papers should be referred to Gallagher Construction Services.



Definitions for Purposes of This Manual

Owner	Clovis Unified School District
Construction Manager	Mark Wilson Construction
Project	Fowler / Herndon Project
Project Site	The areas designated in writing by Owner in a contract document for performance of the Work and such additional areas as may be designated in writing by Owner for Contractor's use in performance of the Work. The Project Site shall also include (1) field offices, (2) property used for bonded storage of material for the Project approved by Owner, (3) staging areas dedicated to the Project. Items 1 through 3 must be approved by the OCIP Insurer and listed in the OCIP Policy
Off-Site Exposures	Offices, shops, warehouses, factories, or similar locations away from the designated project site that have not been approved by the OCIP Insurer and listed on the OCIP Policy <u>ARE NOT COVERED.</u>
Contract	The agreement between Owner <u>and the Trade Contractor or Subcontractor.</u> The terms "Contract" and "Agreement" are used interchangeably.
Subcontractor of Any Tier	The person, firm or corporation with whom Owner has entered into Agreement to perform the Work; or the Person or entity who has a contract with Trade Contractor or Subcontractor to perform any of the Work at the Site.
Work	Operations, as fully described in the Contract, performed at or emanating directly from the Fowler / Herndon Project.
Insured	Trade Contractor or Subcontractors of any tier which have an executed subcontract agreement and which have received written confirmation of coverage by Gallagher Construction Services. The following are not Insureds under this WRAP-UP - Architects, engineers, consultants, vendors, suppliers, material dealers, off-site fabricators and others who merely transport, pick up, deliver or carry materials, personnel, parts or equipment or any other items or persons to or from the Project Site, et al.

Personnel Directory

Clovis Unified SD (Owner) Contacts

Director of Risk Management	TBD	Project Administrator	TBD
Project Manager	TBD	Project Manager	TBD
		Loss Control	TBD

Construction Manager (CM) Contacts

Gallagher (Insurance Broker) Contacts

*Enrollment/ Administration	TBD Gallagher Direct: (000) 000-0000 tbd@ajg.com	Program Director	Anthony Carlton, ARM Gallagher Direct: (619) 651-5317 anthony_carlton@ajg.com
Program Manager	Richard Banlowe Gallagher Direct: (818) 539-1510 Mobile: (805) 630-4339 richard_banlowe@ajg.com	Client Service Supervisor	Peggy L. Wylie Gallagher Direct: (925) 953-5266 peggy_wylie@ajg.com
		General Liability Claims	Karen Durley Gallagher Direct: (949) 349-9632 karen_durley@ajg.com





Gallagher at a glance

Gallagher has been designing solutions to meet our clients' unique needs for more than 90 years. We pioneered many of the innovations in risk management used by businesses in all industries today. We believe that the best environment for learning and growing is one that remembers the past and invents the future. Gallagher has divisions specializing in retail insurance brokerage operations, benefits and HR consulting, wholesale distributions and third-party administrations and claims processing.

As one of the largest insurance brokers in the world, Gallagher has more than 850 offices in 35 countries and provides client-service capabilities in more than 150 countries around the world through our network of partners. Wherever you are – we're nearby.

**Arthur J. Gallagher & Co.
Insurance Brokers of California, Inc.**

1160 Battery Street, Suite 360 San
Francisco, CA 94111



Gallagher

Insurance | Risk Management | Consulting

SECTION 064116
PLASTIC LAMINATE CASEWORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

1. Plastic-laminate faced architectural cabinets.
2. Plastic-laminate countertops.

- B. Related Sections:

1. Division 05 Section "Metal Fabrications" for backing required for installing cabinets and concealed within other construction before cabinet installation.
2. Division 06 Section "Rough Carpentry" for blocking required for installing cabinets and concealed within other construction before cabinet installation.
3. Division 06 Section "Solid Surface Countertops" for resinous countertops.

1.3 SUBMITTALS

- A. Product Data: For each type of product, including cabinet hardware and accessories.

1. Provide documentation VOC content for adhesives.
2. Provide documentation that wood panel products and bonding adhesives contain no urea formaldehyde.

- B. Shop Drawings: Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.

1. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
2. Show locations and sizes of cutouts and holes for plumbing fixtures and other items installed in architectural woodwork.
3. Apply WI-certified compliance label to first page of Shop Drawings.

- C. Samples for Initial Selection:

1. Plastic laminates.
2. PVC edge material.

D. Samples for Verification:

1. Plastic Laminate and Edge Banding: One sample, 8 by 10 inches, for each type, color, pattern, and surface finish with sample applied to core material and specified edge material applied to 1 edge.
2. Cabinet hardware, one unit for each type and finish of the following:
 - a. Pulls.
 - b. Hinges.
 - c. Catches.
 - d. Locks.
 - e. Shelf supports.

E. Woodwork Quality Standard Compliance Certificates: WI-certified compliance certificates.

1.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom fabricate products similar to those required for this Project, who are familiar with Woodwork Institute fabrication requirements, and whose products have a record of successful in-service performance.
- B. Installer Qualifications: Installer shall be fabricator of plastic laminate casework or fabricator shall be responsible for the Work of the installer. Installers shall be skilled workers who are experienced installing products similar to those required for this Project, who are familiar with Woodwork Institute fabrication requirements, and have a record of successful in-service performance.
- C. Woodwork Institute (WI) Quality Assurance Program: Plastic Laminate Casework shall be subject to the following WI quality assurance program:
 1. Monitored Compliance Program (MCP):
 - a. A WI Certified Compliance Label shall be affixed to the first page of the original shop drawing set.
 - b. A WI Certified Compliance Certificate shall be issued for plastic laminate cabinets, counter tops and installation.
 - c. A WI representative shall provide ongoing reviews and inspections including review of shop drawings, fabrication, and installation. A Monitored Compliance Certificate shall be issued following installation of casework.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver casework until painting and similar operations that could damage casework have been completed in installation areas. If casework must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.6 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at occupancy levels during the remainder of the construction period.
- B. Field Measurements: Where woodwork is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 - 1. Locate concealed framing, blocking, and reinforcements that support woodwork by field measurements before being enclosed, and indicate measurements on Shop Drawings.
 - 2. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating woodwork without field measurements. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

1.7 COORDINATION

- A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to ensure that interior architectural woodwork can be supported and installed as indicated.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Regulatory Requirements, Seismic Design: Comply with requirements of the California Building Code, Part 2, Volume 2, Chapter 16A (State Chapter) "Structural Design Requirements," Sections 1613A.1 and 1616A.1, ASCE Section 7-10, Table 13.5-1, and WI construction methods for seismic design for schools and hospitals.
- B. Regulatory Requirements, Accessibility: Casework shall comply with accessibility requirements of the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA) 2010 ADA Standards for Accessible Design and with the 2022 California Building Code, Chapter 11B, "Accessibility to Public Buildings, Public Accommodations, Commercial Buildings, and Public Housing." Accessible casework shall comply with the following:
 - 1. Countertop Heights for Sinks and Lavatories: Where self-rimming sinks or lavatories are installed in countertops and the fixtures are indicated to be accessible, countertop heights shall be verified and coordinated so that the top rim of sinks and lavatories shall not be more than 34 inches above the finished floor; for self-rimming sinks, countertop heights shall be set at +33-1/2 inches above the finish floor level.

2. Knee and Toe Space at Sink Countertops (Ref. CBC 11B-306):
 - a. Width: 30 inches minimum clear width.
 - b. Vertical Clearance: 27 inches minimum at the front edge of countertops.
 - c. Depth of Knee and Toe Clearance: Measured from the front edge of countertops.
 - 1) Depth at Floor Level: 19 inches minimum / 25 inches maximum; and not less than the reach depth over the countertop.
 - 2) Depth at +9 Inches: Depth at floor level less 6 inches maximum (13 inches minimum depth at +9 inches for a clear space depth of 19 inches at floor level; depth increases as depth at floor level increases).
 - 3) Depth at +27 Inches: Depth at floor level less 9 inches maximum (10 inches minimum depth at +27 inches for a clear space depth of 19 inches at floor level; depth increases as depth at floor level increases).
3. Knee and Toe Space at Lavatory Countertops (Ref. CBC 11B-306):
 - a. Width: 30 inches minimum clear width.
 - b. Vertical Clearance: 29 inches minimum at the front edge of countertops.
 - c. Depth of Knee and Toe Clearance: Measured from the front edge of countertops.
 - 1) Depth at Floor Level: 17 inches minimum / 19 inches maximum; and not less than the reach depth over the countertop.
 - 2) Depth at +9 Inches: Depth at floor level less 6 inches maximum (11 inches minimum depth at +9 inches for a clear space depth of 17 inches at floor level; depth increases as depth at floor level increases).
 - 3) Depth at +27 Inches: Depth at floor level less 9 inches maximum (8 inches minimum depth at +27 inches for a clear space depth of 17 inches at floor level; depth increases as depth at floor level increases).
4. Side Reach Depth Over Countertops (Ref. CBC 11B-308.3.2): Where casework is to be accessible, casework shall be fabricated such that the side reach depth does not exceed 24 inches measured from the front edge of the countertop to the finished surface of the wall at the back of the countertop. Countertop heights shall not exceed 34 inches from the finished floor surface.

- C. Quality Standard: Unless otherwise indicated, comply with Woodwork Institute's (WI) "North American Architectural Woodwork Standards" (NAAWS), latest edition, for grades of architectural plastic-laminate cabinets and countertops indicated for construction, finishes, installation, and other requirements.
- D. Seismic Design: Fabrication shall comply with referenced seismic design requirements.

2.2 PLASTIC-LAMINATE CABINETS

- A. Quality Standard: Unless otherwise indicated, comply with WI's "North American

Architectural Woodwork Standards,” latest edition, Section 10 “Casework” for grades of architectural plastic-laminate cabinets indicated for construction, finishes, installation, and other requirements.

1. Grade: Custom Grade except where Premium Grade requirements indicated.
 2. Provide labels and certificates from the Woodwork Institute (WI) certification program indicating that woodwork, including installation, complies with requirements of grades specified.
 3. The Contract Documents contain selections chosen from options in the quality standard and additional requirements beyond those of the quality standard. Comply with those selections and requirements in addition to the quality standard indicated.
- B. Fabricate casework as multiple self-supporting units rigidly joined together or as single-length sections to fit access openings.
1. Cabinet bodies shall be fabricated using dowel and confirmat screw construction with glued joints.
- C. Type of Construction: Type A, Frameless.
- D. Cabinet, Door, and Drawer Front Interface Style: Style 1, flush overlay.
- E. Laminate Cladding for Exposed Exterior and Exposed Interior Surfaces: NEMA LD 3, High-pressure decorative laminate complying with the following requirements:
1. Horizontal Surfaces Other Than Tops: Grade HGL (1.0 mm).
 2. Postformed Surfaces: Grade HGP (1.0 mm).
 3. Vertical Surfaces: Grade VGS (0.7 mm).
 4. Edges: PVC edge banding, 0.12 inch (3 mm) thick, matching laminate in color, pattern, and finish.
- F. Materials for Semi-exposed Surfaces:
1. Surfaces Other Than Drawer Bodies: Thermoset decorative panels.
 - a. Edges of Plastic-Laminate Shelves: PVC edge banding, 0.12 inch (3 mm) thick, matching laminate in color, pattern, and finish.
 - b. For semi-exposed backs of doors and other semi-exposed backs of panels with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate, Grade VGS and matching color of exposed surfaces.
 2. Drawer Sides and Backs: Thermoset decorative panels with PVC edge banding, 1/2 inch minimum thickness.
 3. Drawer Bottoms: Thermoset decorative panels, 1/2 inch minimum thickness.
- G. Concealed Backs of Panels with Exposed Plastic Laminate Surfaces: High-pressure decorative laminate, Grade BKL. Backs shall be 1/2 inch minimum thickness and mechanically fastened to cabinet bodies.
- H. Security Dust Panels: Provide 3/4-inch thick security dust panels above lockable drawers, unless located directly under tops.

- I. Shelves: Shelves shall be adjustable and supported by shelf standards and clips.
 - 1. Design loading: 50 psf.
 - 2. Maximum Width: 48 inches for concealed shelves, 42 inches for exposed shelves.
 - 3. Thickness: 1-inch minimum thickness.
 - a. Shelf spans of 24 inches or less may be 3/4 inch thickness.
- J. Hinges: Doors 80 inches or more in height shall be provided with four (4) hinges.
- K. Locks, Doors and Drawers: All doors and drawers shall be provided with locks.
- L. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
 - a. PL-1 Formica 5786-NG Ashwood Oak
 - b. Approved equivalent

2.3 PLASTIC-LAMINATE COUNTERTOPS

- A. Quality Standard: Unless otherwise indicated, comply with WI's "North American Architectural Woodwork Standards," latest edition, Section 11 "Countertops" for grades of architectural plastic-laminate cabinets indicated for construction, finishes, installation, and other requirements.
 - 1. Grade: Premium Grade.
 - 2. Provide labels and certificates from the Woodwork Institute (WI) certification program indicating that woodwork, including installation, complies with requirements of grades specified.
 - 3. The Contract Documents contain selections chosen from options in the quality standard and additional requirements beyond those of the quality standard. Comply with those selections and requirements in addition to the quality standard indicated.
- B. High-Pressure Decorative Laminate: NEMA LD 3, Grade HGS or HGP as required for post-formed countertops.
- C. Colors and Pattern: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
 - a. PL-2 and PL-3 Formica 6698-58 Paloma Polar Matte Finish
 - b. Approved equivalent
- D. Edge Treatment: Same as laminate cladding on horizontal surfaces.
 - 1. Splash: Integral cove splash with square top, 4 inches high unless otherwise indicated.
 - 2. Front Edge: Full round edge unless otherwise indicated.
 - a. Square self-edge where full round edge cannot be used due to fabrication limitations.

- E. Core Material: Particleboard, 3/4 inch thick; counter tops for sinks to be particleboard made with exterior glue.
- F. Countertop Edge Thickness: Build up counter top edge thickness to 1-1/2 inches at front, back, and ends with additional layers of core material laminated to top.
- G. Backer Sheet: Provide paper backing on underside of countertop substrate.
- H. Cutouts: Edges of cut outs shall be sealed per WI Custom Grade requirements with a color toned water-resistant varnish before sink or rims are installed.

2.4 MATERIALS

- A. General: Provide materials that comply with requirements of WI's quality standard for each type of woodwork and quality grade specified, unless otherwise indicated.
- B. Wood Panel Products: Provide materials that comply with requirements of referenced quality standard for each type of woodwork and quality grade specified unless otherwise indicated. Provide products containing no urea formaldehyde complying with the following:
 - 1. Hardboard: AHA A135.4.
 - 2. Medium-Density Fiberboard: ANSI A208.2, Grade 130.
 - 3. Particleboard: ANSI A208.1, Grade M-2-Exterior Glue.
 - 4. Softwood Plywood: DOC PS 1, Medium Density Overlay.
- C. Thermoset Decorative Panels: Particleboard or medium-density fiberboard finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of NEMA LD 3, Grade VGL, for test methods 3.3, 3.4, 3.6, 3.8, and 3.10.
- D. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or, if not indicated, as required by woodwork quality standard.
 - 1. Manufacturer: Subject to compliance with requirements, provide high-pressure decorative laminates by one of the following:
 - a. Formica Corporation.
 - b. Nevamar Company, LLC; Decorative Products Div.
 - c. Wilsonart International; Div. of Premark International, Inc.
 - 2. Plastic laminate colors and patterns shall not be allowed to be selected from manufacturer's discontinued stock.

2.5 CABINET HARDWARE AND ACCESSORIES

- A. General: Provide cabinet hardware and accessory materials associated with architectural cabinets and complying with ANSI/BHMA Grade 1 performance requirements.

- B. Overlay Butt Hinges: 2-3/4-inch, 5-knuckle steel hinges made from 0.095-inch thick metal, with hospital tips; ANSI/BHMA 156.9, Grade 1.
 - 1. Manufacturer/Product: Rockford Process Control (RCP) RP-376 or equivalent.
- C. Wire Pulls: Back mounted, solid stainless steel or aluminum bent wire pulls, 4 inches long, 5/16 inch in diameter, 1-1/2 inch projection.
 - 1. Manufacturer/Product: Doug Mockett and Company, Inc.; DP57B or equivalent.
- D. Catches: Magnetic catches with aluminum body, 5 lb maximum pull load, ANSI/BHMA A156.9.
 - 1. Manufacturer/Product: Ives, No. 325 or equivalent.
- E. Drawer Slides: Ball bearing, full extension, side mounted; zinc-plated-steel ball-bearing slides ANSI/BHMA A156.9; Grade 1HD-100 and Grade 1HD-200.
 - 1. Grade 1 HD-200, 200 lb capacity, for drawers more than 8 inches high or more than 24 inches wide.
 - 2. Manufacturers: Accuride, Knappe & Vogt, Grass, or equivalent.
- F. Adjustable Shelf Standards and Supports: Steel standards and supports with zinc plated finish, ANSI/BHMA A156.9.
 - 1. Manufacturer/Product: Knappe & Vogt; No. 255 Supports with No. 256 clips.
 - 2. Provide seismic restraint pins in back row or notch shelf.
- G. Locks: Pin tumbler locks.
 - 1. Cabinet Door Locks: ANSI/BHMA A156.11, E07121.
 - 2. Cabinet Drawer Locks: ANSI/BHMA A156.11, E07041.
 - 3. Manufacturer: CompX/National.
 - 4. Keying: Confirm keying with Owner's lock personnel.
- H. Door and Drawer Silencers: ANSI/BHMA A156.16, L03011.
- I. Grommets for Cable Passage through Countertops: Molded-plastic grommet with minimum 1-1/2-inch diameter cord opening with slotted cap, black.
 - 1. Manufacturer/Product: Doug Mockett & Company, Inc.; "SG series."
- J. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with ANSI/BHMA A156.18 for ANSI/BHMA finish number indicated.
 - 1. Cabinet hardware finish shall match exposed door hardware of the room in which casework is located; door hardware is specified in Division 8 Section "Door Hardware."
 - 2. Satin Chromium Plated: ANSI/BHMA 626 for brass or bronze base; ANSI/BHMA 652 for steel base.
 - 3. Satin Stainless Steel: ANSI/BHMA 630.

- K. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in ANSI/BHMA A156.9.

2.6 MISCELLANEOUS MATERIALS

- A. Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber, kiln dried to less than 15 percent moisture content.
- B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.
- C. Adhesives: Adhesives containing no urea formaldehyde and as recommended by fabricator or manufacturer. Use clear types where glue lines will be exposed.
- D. VOC Limits for Installation Adhesives and Sealants: Use products that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
 - 1. Wood Glues: 30 g/L.
 - 2. Multipurpose Construction Adhesives: 70 g/L.
 - 3. Structural Wood Member Adhesive: 140 g/L.
 - 4. Architectural Sealants: 250 g/L.

2.7 FABRICATION

- A. Interior Woodwork Grade: Comply with Woodwork Institute's (WI) "North American Architectural Woodwork Standards" (NAAWS), latest edition, quality standards indicated.
- B. Fabricate architectural cabinets to dimensions, profiles, and details indicated.
 - 1. Accessible Casework: Comply with accessible regulatory requirements indicated in Part 2 Article "Performance Requirements."
- C. Complete fabrication, including assembly and hardware application, to maximum extent possible before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.
- D. Shop-cut openings to maximum extent possible to receive hardware, appliances, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.
- E. Adjustable Shelf Standards: Adjustable shelf standards shall be recessed into cabinet sides.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition woodwork to average prevailing humidity conditions in installation areas.
- B. Before installing architectural woodwork, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

3.2 INSTALLATION OF CABINETS

- A. Grade: Install cabinets to comply with same grade as item to be installed.
- B. Assemble cabinets and complete fabrication at Project site to the extent that it was not completed in the shop.
- C. Install cabinets level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches.
- D. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- E. Anchor cabinets to walls as indicated on Drawings and in compliance with referenced seismic requirements.
- F. Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
 - 1. Install cabinets with no more than 1/8 inch in 96-inch sag, bow, or other variation from a straight line.

3.3 INSTALLATION OF COUNTERTOPS

- A. Grade: Install countertops to comply with same grade as item to be installed.
- B. Assemble countertops and complete fabrication at Project site to the extent that it was not completed in the shop.
 - 1. Provide cutouts for appliances, plumbing fixtures, electrical work, and similar items.
 - 2. Seal edges of cutouts by saturating with varnish.
- C. Field Jointing: Where possible, make in the same manner as shop jointing, using dowels, splines, adhesives, and fasteners recommended by manufacturer. Prepare edges to be joined in shop so Project-site processing of top and edge surfaces is not required. Locate field joints where shown on Shop Drawings.

1. Secure field joints in plastic-laminate countertops with concealed clamping devices located within 6 inches of front and back edges and at intervals not exceeding 24 inches. Tighten according to manufacturer's written instructions to exert a constant, heavy-clamping pressure at joints.
- D. Install countertops level, plumb, true, and straight. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches.
- E. Scribe and cut countertops to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- F. Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop.
 1. Install countertops with no more than 1/8 inch in 96-inch sag, bow, or other variation from a straight line.
 2. Where applied back splashes are used, secure backsplashes to tops with concealed metal brackets at 16 inches on center and to walls with adhesive.
 3. Seal junctures of tops, splashes, and walls with mildew-resistant silicone sealant or another permanently elastic sealing compound recommended by countertop material manufacturer.

3.4 ADJUSTING AND CLEANING

- A. Repair damaged and defective woodwork, where possible, to eliminate functional and visual defects; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.
- B. Clean, lubricate, and adjust hardware.
- C. Clean woodwork on exposed and semi-exposed surfaces.

END OF SECTION

SECTION 064118
SOLID SURFACE COUNTER TOPS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:

- 1. Solid surface material counter tops including splashes and aprons.
- 2. Wood panel sub-tops for solid surface material counter tops.

- B. Related Sections include but are not limited to the following:

- 1. Division 05 Section "Metal Fabrications" for fabricated metal support brackets.
- 2. Division 06 Section "Rough Carpentry" for blocking, shims, and furring required for installing solid surface counter tops.
- 3. Division 06 Section "Plastic Laminate Casework" for plastic laminate counter tops.
- 4. Division 22 Sections as applicable to plumbing fixtures and trim.

1.3 SUBMITTALS

- A. Product Data: For solid-surfacing material.

- B. Shop Drawings: For countertops; show materials, finishes, edge and backsplash profiles, methods of joining, and cutouts for plumbing fixtures.

- 1. Show location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.
- 2. Show locations and sizes of blocking and/or backing including concealed blocking and reinforcement specified in other Sections.
- 3. Show locations and sizes of cutouts and holes for plumbing fixtures and other items.
- 4. Apply Woodwork Institute certified compliance label to first page of Shop Drawings.

- C. Samples for Initial Selection: For each type of material exposed to view; submit manufacturer's color charts or samples.

- D. Samples for Verification: Solid-surfacing materials, 6 inches square.

- E. Woodwork Quality Standard Compliance Certificates: WI-certified compliance certificates.
- F. Qualification Data: For Installer and fabricator.
- G. Maintenance Data: For solid surface material countertops to include in maintenance manuals. Include Product Data for care products used or recommended by Installer and names, addresses, and telephone numbers of local sources for products.

1.4 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate counter tops similar to those required for this Project and whose products have a record of successful in-service performance
- B. Installer Qualifications: Fabricator of products.
- C. Quality Standard: Unless otherwise indicated, comply with Woodwork Institute's (WI) "North American Architectural Woodwork Standards," (NAAWS) latest edition, for grades indicated for construction, installation, and other requirements.
 - 1. Provide WI-certified compliance labels and certificates indicating that counter tops, including installation, complies with requirements of grades specified.
 - 2. The Contract Documents contain selections chosen from options in the quality standard and additional requirements beyond those of the quality standard. Comply with such selections and requirements in addition to the quality standard.
- D. Regulatory Requirements for Accessibility: Counter tops shall comply with the 2010 ADA Standards for Accessible Design and with the 2022 California Building Code, Chapter 11B, "Accessibility to Public Buildings, Public Accommodations, Commercial Buildings, and Public Housing." Accessible counter tops shall comply with the following:
 - 1. Countertop Heights: Not more than 34 inches above the floor surface; where self rimming sinks or lavatories are installed in countertops, countertop height shall be such that the top rim of the sink is not more than 34 inches above the finished floor (CBC 11B-606.3 and 11B-902.3).
 - 2. Knee Space: Vertical clearance of not less than 27 inches above the floor, minimum width of 30 inches, and minimum depth of 19 inches (CBC 11B-306).
 - 3. Side Reach Depth: Where counter tops are accessible by a parallel wheelchair approach, the side reach depth over the countertop shall not exceed 24 inches measured from the front edge of the countertop to the finished face of the wall behind the countertop (11B-308.3.2).
 - 4. Forward Reach Depth: Where countertops are accessible by a forward wheelchair approach with knee and toe space below, the forward reach depth over the countertop shall not exceed 25 inches measured from the front edge of the countertop to the finished face of the wall behind the countertop (CBC 11B-308.2.2).

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver solid surface countertops until painting and similar operations that could damage countertops have been completed in installation areas. If countertops must be stored in other than installation areas, store only in areas where environmental conditions comply with requirements specified in "Project Conditions" Article.

1.6 FIELD CONDITIONS

- A. Environmental Limitations: Do not deliver or install solid surfacing materials until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F and relative humidity between 45 and 65 percent during the remainder of the construction period.
- B. Field Measurements: Where work is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 - 1. Locate concealed framing, blocking, and reinforcements that support counter tops by field measurements before being enclosed and indicate measurements on Shop Drawings.
 - 2. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating countertops without field measurements. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

1.7 COORDINATION

- A. Coordinate sizes and locations of framing, blocking, reinforcements, and other related units of Work specified in other Sections to ensure that interior solid surface counter tops can be supported and installed as indicated.
- B. Coordinate locations of utilities that will penetrate countertops or backsplashes.

PART 2 - PRODUCTS

2.1 SOLID SURFACE COUNTERTOP MATERIAL

- A. Solid Surface Material: Homogeneous-filled plastic resin complying with ICPA SS-1.
 - 1. Basis of Design: Design, Drawings and Specifications are based on the following:
 - a. E. I. du Pont de Nemours and Company; Corian.
 - 1) Subject to compliance with requirements, provide the specified product or equivalent products by one of the following:

- a) Avonite, Inc.
- b) Formica Corporation.
- c) Wilsonart International; Div. of Premark International, Inc.

2. Solid-Surfacing-Material Thickness: 1/2 inch.

3. Colors, Patterns, and Finishes:

- a. SS-1, Formica Everform 601 Bleached Concrete
- b. SS-2, Wilsonart Peace Grey 9232SS
- c. Or approved equivalent
- d. Each countertop shall be of a single color

2.2 COUNTERTOP FABRICATION

A. Fabricate countertops according to solid surface material manufacturer's written instructions and in compliance with Woodwork Institute's North American Architectural Woodwork Standards, latest edition, Section 11 "Countertops."

1. Grade: Premium.

B. Fabricate tops in one piece with shop-applied edges and backsplash unless otherwise indicated. Comply with solid surface material manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.

1. Front Edge: Square, built-up edge, 1 inch high, shop applied, with separate apron.

2. Backsplash: Shop-applied back splash complying with the following:

- a. Height: 4 inches.
- b. Style: Square, butt to countertop.
- c. Top Edge: Square.
- d. Side Splashes: Field applied side splashes matching backsplash.

C. Holes and Cutouts:

1. Holes: Drill holes in countertops in shop for cord grommets and similar items.

D. Drill holes in countertops for plumbing fittings and accessories in shop.

E. Joints: Fabricate countertops without joints unless joints are required due to size limitations. Where joints are required, comply with the following:

1. Joint Locations: Not within 18 inches of a sink, lavatory, or cooktop, and not where a countertop section less than 36 inches long would result, unless unavoidable.

2.3 MISCELLANEOUS MATERIALS

A. Plywood Sub-Tops: Exterior softwood plywood complying with DOC PS 1, Grade C-C Plugged, touch sanded, and containing no urea formaldehyde.

- B. Adhesives: Adhesives as recommended by solid surface manufacturer and containing no urea formaldehyde. Use clear types where glue lines will be exposed.
- C. Silicone Sealant: Sealant as recommended by solid surface manufacturer, single-component, non-sag, neutral-curing silicone joint sealant, ASTM C 920, Type S, Grade NS, Class 100/50, for Use NT.
 - 1. Color: Match counter top.
- D. VOC Limits for Installation Adhesives and Sealants: Use products that comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
 - 1. Wood Glues: 30 g/L.
 - 2. Multipurpose Construction Adhesives: 70 g/L.
 - 3. Structural Wood Member Adhesive: 140 g/L.
 - 4. Architectural Sealants: 250 g/L.
- E. Grommets for Cable Passage through Countertops: 2-inch outside diameter, black, molded-plastic grommets and matching plastic caps with slot for wire passage.
 - 1. Product: Subject to compliance with requirements, provide "SG series" by Doug Mockett & Company, Inc.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates to receive solid surface material countertops and conditions under which countertops will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of countertops.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Before installation, condition counter tops to required environmental conditions specified for installation areas.

3.3 INSTALLATION

- A. Install countertops to comply with WI grade requirements specified in Part 2 for fabrication of type of countertops involved.
- B. Scribe and cut countertops to fit adjoining work.

- C. Install countertops level to a tolerance of 1/8 inch in 8 feet, 1/4 inch maximum. Do not exceed 1/64-inch difference between planes of adjacent units.
- D. Fasten sub-tops to cabinets by screwing through sub-tops into corner blocks of base cabinets. Shim as needed to align sub-tops in a level plane.
- E. Secure countertops to sub-tops with adhesive according to solid surface material manufacturer's written instructions. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with manufacturer's written instructions. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
- F. Bond joints with adhesive and draw tight as countertops are set. Mask areas of countertops adjacent to joints to prevent adhesive smears.
- G. Install backsplashes and end splashes by adhering to wall and countertops with adhesive. Mask areas of countertops and splashes adjacent to joints to prevent adhesive smears.
- H. Install aprons to backing and countertops with adhesive. Mask areas of countertops and splashes adjacent to joints to prevent adhesive smears. Fasten by screwing through backing. Pre-drill holes for screws as recommended by manufacturer.
- I. Complete cutouts not finished in shop. Mask areas of countertops adjacent to cutouts to prevent damage while cutting. Make cutouts to accurately fit items to be installed, and at right angles to finished surfaces unless beveling is required for clearance. Ease edges slightly to prevent snipping.
- J. Apply sealant to gaps at walls; comply with Division 07 Section "Joint Sealants."

3.4 REPAIR

- A. Repair damaged and defective work, where possible, to eliminate functional and visual defects; replace Work that cannot be repaired.

END OF SECTION

SECTION 093000
TILING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Ceramic tile.
 - 2. Crack isolation membrane.
 - 3. Metal edge strips.
- B. Related Sections include the following:
 - 1. Division 03 Section "Cast-in-Place Concrete" for monolithic slab finishes specified for tile substrates.
 - 2. Division 07 Section "Joint Sealants" for sealing of expansion, contraction, and isolation joints in tile surfaces.

1.3 DEFINITIONS

- A. General: Definitions in the ANSI A108 series of tile installation standards and in ANSI A137.1 apply to Work of this Section unless otherwise specified.
- B. ANSI A108 Series: ANSI A108.01, ANSI A108.02, ANSI A108.1A, ANSI A108.1B, ANSI A108.1C, ANSI A108.4, ANSI A108.5, ANSI A108.6, ANSI A108.8, ANSI A108.9, ANSI A108.10, ANSI A108.11, ANSI A108.12, ANSI A108.13, ANSI A108.14, ANSI A108.15, ANSI A108.16, and ANSI A108.17, which are contained in "American National Standard Specifications for Installation of Ceramic Tile."
- C. Face Size: Actual tile size, excluding spacer lugs.
- D. Module Size: Actual tile size plus joint width indicated.

1.4 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Samples for Initial Selection: For each type of tile and grout indicated. Include Samples of accessories involving color selection.

C. Samples for Verification:

1. Full-size units of each type and composition of tile and for each color and finish required.
2. Full-size units of each type of trim and accessory.

1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials that match and are from same production runs as products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Tile and Trim Units: Furnish quantity of full-size units equal to 3 percent of amount installed for each type, composition, color, pattern, and size indicated.

1.6 QUALITY ASSURANCE

A. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution. Build mockups in location and of size indicated or, if not indicated, as directed by Architect.

1. Build mockup of each type of floor tile installation.
2. Build mockup of each type of wall tile installation.
3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 DELIVERY, STORAGE, AND HANDLING

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

B. Store tile and cementitious materials on elevated platforms, under cover, and in a dry location.

C. Store aggregates where grading and other required characteristics can be maintained and contamination can be avoided.

D. Store liquid materials in unopened containers and protected from freezing.

1.8 FIELD CONDITIONS

A. Environmental Limitations: Do not install tile until construction in spaces is complete and ambient temperature and humidity conditions are maintained at the levels indicated in referenced standards and manufacturer's written instructions.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations for Tile: Obtain all tile of same type from one source or producer.
 - 1. Obtain tile from same production run and of consistent quality in appearance and physical properties for each contiguous area.
- B. Source Limitations for Setting and Grouting Materials: Obtain ingredients of a uniform quality for each mortar, adhesive, and grout component from a single manufacturer and each aggregate from one source or producer.
- C. Source Limitations for Other Products: Obtain each of the following products specified in this Section through one source from a single manufacturer for each product:
 - 1. Crack isolation membrane.
 - 2. Joint sealants.
 - 3. Metal edge strips.

2.2 PRODUCTS, GENERAL

- A. ANSI Ceramic Tile Standard: Provide tile that complies with ANSI A137.1, "Specifications for Ceramic Tile," for types, compositions, and other characteristics indicated.
 - 1. Provide tile complying with Standard grade requirements, unless otherwise indicated.
- B. ANSI Standards for Tile Installation Materials: Provide materials complying with ANSI A108.02, ANSI standards referenced in other Part 2 articles, ANSI standards referenced by TCNA installation methods specified in tile installation schedules, and other requirements specified.
- C. Factory Blending: For tile exhibiting color variations within ranges, blend tile in factory and package so tile units taken from one package show same range in colors as those taken from other packages and match approved Samples.
- D. Mounting: For factory-mounted tile, provide back- or edge-mounted tile assemblies as standard with manufacturer unless otherwise indicated.
 - 1. Where tile is indicated for installation in wet areas, do not use back or edge-mounted tile assemblies unless tile manufacturer specifies in writing that this type of mounting is suitable for installation indicated and has a record of successful in-service performance.
- E. Colors, Textures, and Patterns: Where selection of colors, surface textures, patterns, and other appearance characteristics are required, selections shall be made by Architect from manufacturer's full range unless otherwise indicated.

2.3 TILE PRODUCTS

A. Basis-of-Design Manufacturer: Provide products indicated as manufactured by the following:

1. Dal-Tile International Corporation

a. Subject to compliance with requirements, provide products indicated or equal products by one of the following:

- 1) Crossville Ceramics Company, L.P.
- 2) Florida Tile Industries, Inc.
- 3) Interceramic Tile.
- 4) Summitville Tiles, Inc.
- 5) United States Ceramic Tile Company.

B. Glazed Wall Tile (CT-1, CT-2, CT-3, CT-6, CT-7):

1. Style Name: Daltile, Semi-Gloss
2. Module Size: 3 by 6 inches.
3. Thickness: 5/16 inch.
4. Face: Plain with cushion edges.
5. Color:

- a. CT-1, 0190 Arctic White
- b. CT-2, 0182 Suede Gray
- c. CT-3, K189 Navy
- d. CT-6, 0082 Wisdom
- e. CT-7, 0169 Waterfall

6. Finish: Bright, opaque; Mat, opaque; or Semimat, opaque glaze per tile as indicated on Drawings, or if not indicated, as selected by Architect from manufacturer's full range.

a. Accent Tile Finish: Bright, opaque; Mat, opaque; or Semimat, opaque glaze per tile as indicated on Drawings, or if not indicated, as selected by Architect from manufacturer's full range.

7. Tile Pattern: As indicated on Drawings or if not indicated, as selected by Architect.

8. Grout Color: As indicated on Drawings or if not indicated, as selected by Architect.

C. Matte Porcelain Floor Tile (CT-4)

1. Style Name: Daltile, Volume 1.0
2. Composition: Porcelain.
3. Module Size: 12 x 24 inches
4. Thickness: 5/16 inch
5. Dynamic Coefficient of Friction: Not less than 0.42.
6. Finish: Matte
7. Tile Pattern: As indicated on Drawings or if not indicated, as selected by Architect

8. Grout Color: As indicated on Drawings or if not indicated, as selected by Architect.

D. Glazed Porcelain Wall Tile (CT-5)

1. Style Name: Marazzi, Persuade
2. Composition: Porcelain.
3. Module Size: 12 x 24 inches
4. Thickness: 5/16 inch
5. Dynamic Coefficient of Friction: Not less than 0.42.
6. Tile Pattern: As indicated on Drawings or if not indicated, as selected by Architect
7. Grout Color: As indicated on Drawings or if not indicated, as selected by Architect.

E. Trim Units: Coordinated with sizes and coursing of adjoining tile where applicable and matching characteristics of adjoining tile indicated. Provide shapes as follows, selected from manufacturer's standard shapes:

1. Base for Portland Cement Mortar Floor Installations: Coved, module size and tile matching adjoining floor tile.
2. Wainscot Cap for Thin-Set Mortar Installations: Surface bullnose, module size matching adjoining wall tile.
3. 3/4 inch External Corners for Thin-Set Mortar Installations: Surface bullnose, same size as adjoining wall tile.
5. Internal Corners: Field-buttet square corners. For coved base and cap use angle pieces designed to fit with stretcher shapes.

2.4 CRACK ISOLATION MEMBRANES

A. General: Manufacturer's standard product, selected from the following that complies with ANSI A118.12 for high performance crack isolation membranes, and is recommended by the manufacturer for the application indicated. Include reinforcement and accessories recommended by manufacturer.

1. Chlorinated-Polyethylene-Sheet Product: Non-plasticized, chlorinated polyethylene faced on both sides with nonwoven polyester fabric, 0.030-inch nominal thickness.
 - a. Available Products:
 - 1) Noble Company (The); Nobleseal TS.
 - 2) Noble Company (The); Nobleseal CIS.
2. PVC Sheet: PVC sheet heat-fused on both sides to facings of nonwoven polyester; 0.040-inch nominal thickness.
 - a. Available Product: Compositite Corporation; Composeal Gold.
3. Polyethylene Sheet: Polyethylene faced on both sides with fleece webbing; 0.008-inch nominal thickness.

- a. Available Product: Schluter Systems L.P.; KERDI.
- 4. Fabric-Reinforced, Fluid-Applied Membrane: System consisting of liquid-latex rubber or elastomeric polymer and continuous fabric reinforcement.
 - a. Subject to compliance with requirements, provide one of the following (Waterproof and/or crack isolation membrane):
 - 1) Custom Building Products; 9240 Waterproofing and Anti-Fracture Membrane.
 - 2) Laticrete International, Inc.; Laticrete 9235 Waterproof Membrane.
 - 3) MAPEI Corporation; Mapelastic L (PRP M19).
 - 4) Mer-Kote Products, Inc.; Hydro-Guard 2000.
 - 5) Summitville Tiles, Inc.; S-9000.

2.5 SETTING MATERIALS

- A. Portland Cement Mortar (Thickset) Installation Materials: ANSI A108.02.
 - 1. Cleavage Membrane: Asphalt felt, ASTM D 226, Type I (No. 15); or polyethylene sheeting, ASTM D 4397, 4.0 mils thick.
 - 2. Reinforcing Wire Fabric: Galvanized, welded wire fabric, 2 by 2 inches by 0.062 inch diameter; comply with ASTM A 185 and ASTM A 82 except for minimum wire size.
 - 3. Latex Additive: Manufacturer's standard water emulsion, serving as replacement for part or all of gaging water, of type specifically recommended by latex-additive manufacturer for use with field-mixed portland cement and aggregate mortar bed.
- B. Modified Dry-Set Mortar (Thin Set): ANSI A118.4.
 - 1. Prepackaged dry-mortar mix containing dry, redispersible, vinyl acetate or acrylic additive to which only water must be added at Project site.
 - a. For wall applications, provide mortar that complies with requirements for non-sagging mortar in addition to the other requirements in ANSI A118.4.
 - 2. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Boiardi Products Corporation.
 - b. Bonsal, W. R., Company.
 - c. Custom Building Products.
 - d. LATICRETE International Inc.
 - e. MAPEI Corporation.
 - f. Summitville Tiles, Inc.

2.6 GROUT MATERIALS

- A. Sand-Portland Cement Grout: ANSI A108.10, field mixed, composed of white or gray cement and white or colored aggregate as required to produce color indicated.

- B. Standard Prepackaged Cement Grout: ANSI A118.6, sanded and unsanded, color as indicated.
- C. Polymer-Modified Prepackaged Tile Grout: ANSI A118.7.

2.7 ELASTOMERIC SEALANTS

- A. General: Provide sealants, primers, backer rods, and other sealant accessories that comply with the applicable requirements in Division 07 Section "Joint Sealants."

2.8 MISCELLANEOUS MATERIALS

- A. Trowelable Underlayments and Patching Compounds: Latex-modified, portland cement-based formulation provided or approved by manufacturer of tile-setting materials for installations indicated.
- B. Metal Edge Strips: Angle or L-shape, height to match tile and setting-bed thickness, metallic or combination of metal and PVC or neoprene base, designed specifically for flooring applications; stainless-steel, ASTM A 666, 300 Series exposed-edge material.
- C. Tile Cleaner: A neutral cleaner capable of removing soil and residue without harming tile and grout surfaces, specifically approved for materials and installations indicated by tile and grout manufacturers.
- D. Grout Sealer: Product recommended by manufacturer for sealing grout joints that does not change color or appearance of grout.
 - 1. Grout sealers shall comply with requirements of FloorScore certification.

2.9 MIXING MORTARS AND GROUT

- A. Mix mortars and grouts to comply with referenced standards and mortar and grout manufacturers' written instructions.
- B. Add materials, water, and additives in accurate proportions.
- C. Obtain and use type of mixing equipment, mixer speeds, mixing containers, mixing time, and other procedures to produce mortars and grouts of uniform quality with optimum performance characteristics for installations indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions where tile will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

1. Verify that substrates for setting tile are firm, dry, clean, and free of coatings that are incompatible with tile-setting materials including curing compounds and other substances that contain soap, wax, oil, or silicone; and comply with flatness tolerances required by ANSI A108.01 for installations indicated.
 2. Verify that concrete substrates for tile floors installed with bonded mortar bed or thin-set mortar comply with surface finish requirements in ANSI A108.01 for installations indicated.
 - a. Verify that surfaces that received a steel trowel finish have been mechanically scarified.
 - b. Verify that protrusions, bumps, and ridges have been removed by sanding or grinding.
 3. Verify that installation of grounds, anchors, recessed frames, electrical and mechanical units of work, and similar items located in or behind tile has been completed.
 4. Verify that joints and cracks in tile substrates are coordinated with tile joint locations; if not coordinated, adjust joint locations in consultation with Architect.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Remove coatings, including curing compounds and other substances that contain soap, wax, oil, or silicone, that are incompatible with tile-setting materials.
- B. Fill cracks, holes, and depressions in concrete substrates for tile floors installed with thinset mortar with trowelable leveling and patching compound specifically recommended by tile-setting material manufacturer.
- C. Where mortar bed installed tile floors are indicated, prepare substrates by applying a reinforced mortar bed that complies with ANSI A108.1A for use with or without a waterproof membrane, or A108B without a waterproof membrane.
 1. Where tile floors are indicated to be sloped, slope 1/4 inch per foot maximum (2%) toward drains.
- D. Blending: For tile exhibiting color variations within ranges selected during Sample submittals, verify that tile has been factory blended and packaged so tile units taken from one package show same range of colors as those taken from other packages and match approved Samples. If not factory blended, either return to manufacturer or blend tiles at Project site before installing.

3.3 TILE INSTALLATION

- A. Comply with TCNA's "Handbook for Ceramic, Glass, and Stone Tile Installation" for TCNA installation methods specified in tile installation schedules. Comply with parts of the ANSI A108 Series "Specifications for Installation of Ceramic Tile" that are referenced in TCNA installation methods, specified in tile installation schedules, and apply to types of setting and grouting materials used.

1. For the following installations, follow procedures in the ANSI A108 series of tile installation standards for providing 95 percent mortar coverage:
 - a. Tile floors in wet areas.
- B. Extend tile work into recesses and under or behind equipment and fixtures to form complete covering without interruptions, unless otherwise indicated. Terminate work neatly at obstructions, edges, and corners without disrupting pattern or joint alignments.
- C. 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.
- D. Provide manufacturer's standard trim shapes where necessary to eliminate exposed tile edges.
- E. Where accent tile differs in thickness from field tile, vary setting-bed thickness so that tiles are flush.
- F. Jointing Pattern: Lay tile in grid pattern unless otherwise indicated. Lay out tile work and center tile fields in both directions in each space or on each wall area. Lay out tile work to minimize the use of pieces that are less than half of a tile. Provide uniform joint widths unless otherwise indicated.
 1. For tile mounted in sheets, make joints between tile sheets same width as joints within tile sheets so joints between sheets are not apparent in finished work.
 2. Where adjoining tiles on floor, base, walls, or trim are specified or indicated to be same size, align joints.
 3. Where tiles are specified or indicated to be whole integer multiples of adjoining tiles on floor, base, walls, or trim, align joints unless otherwise indicated.
- G. Joint Widths: Unless otherwise indicated, install tile with the following joint widths:
 1. Ceramic Mosaic Tile: 1/8 inch.
 2. Glazed Wall Tile: 1/16 inch.
- H. Lay out tile wainscots to next full tile beyond dimensions indicated.
- I. Expansion Joints: Locate expansion joints and other sealant-filled joints, including control, contraction, and isolation joints, where indicated during installation of setting materials, mortar beds, and tile. Do not saw-cut joints after installing tiles.
 1. Where joints occur in concrete substrates, locate joints in tile surfaces directly above them.
 2. Prepare joints and apply sealants to comply with requirements in Division 07 Section "Joint Sealants."
- J. Metal Edge Strips: Install where exposed edge of tile flooring meets carpet, wood, or other flooring that finishes flush with or below top of tile and no threshold is indicated.

- K. Grout Sealer: Apply grout sealer to grout joints in tile floors according to grout-sealer manufacturer's written instructions. As soon as grout sealer has penetrated grout joints, remove excess sealer and sealer from tile faces by wiping with soft cloth.

3.4 CRACK-ISOLATION MEMBRANE INSTALLATION

- A. Install crack isolation membrane to comply with ANSI A108.17 and manufacturer's written instructions to produce membrane of uniform thickness bonded securely to substrate.
- B. Allow crack isolation membrane to cure before installing tile or setting materials over it.

3.5 ADJUSTING AND CLEANING

- A. Remove and replace tile that is damaged or that does not match adjoining tile. Provide new matching units, installed as specified and in a manner to eliminate evidence of replacement.
- B. Cleaning: On completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter.
 - 1. Remove grout residue from tile as soon as possible.
 - 2. Clean grout smears and haze from tile according to tile and grout manufacturer's written instructions, but no sooner than 10 days after installation. Use only cleaners recommended by tile and grout manufacturers and only after determining that cleaners are safe to use by testing on samples of tile and other surfaces to be cleaned. Protect metal surfaces and plumbing fixtures from effects of cleaning. Flush surfaces with clean water before and after cleaning.

3.6 PROTECTION

- A. Protect installed tile work with kraft paper or other heavy covering during construction period to prevent staining, damage, and wear. If recommended by tile manufacturer, apply coat of neutral protective cleaner to completed tile walls and floors.
- B. Prohibit foot and wheel traffic from tiled floors for at least seven days after grouting is completed.
- C. Before final inspection, remove protective coverings and rinse neutral protective cleaner from tile surfaces.

3.7 FLOOR TILE INSTALLATION SCHEDULE

- A. Floor Tile Installation: Ceramic tile over mortar bed (thickset) bonded to concrete subfloor.
 - 1. Installation Method: ANSI A108.1C, Unglazed ceramic mosaic tile over mortar bed (thickset) bonded to concrete subfloor. TCNA method as indicated on drawings.

2. Adhesive Mortar: Latex-portland cement thin-set mortar.
3. Grout: Polymer-modified sanded grout.

3.8 WALL TILE INSTALLATION SCHEDULE

A. Wall Tile Installation: Ceramic tile thinset over gypsum backer board.

1. Installation Method: ANSI A108.5, Glazed wall tile thinset over gypsum backer units. TCNA method as indicated on drawings.
2. Adhesive Mortar: Latex-portland cement thin-set mortar.
3. Grout: Polymer-modified unsanded grout.

END OF SECTION

SECTION 096513
RESILIENT BASE AND ACCESSORIES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Resilient base.
 - 2. Resilient molding accessories.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.
 - 1. Include statement of VOC content for any adhesives or sealants.
- B. Samples for Initial Selection: For color and texture for each product indicated.
- C. Product Schedule: For resilient products, use same designations as Contract Documents.

1.4 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Furnish not less than 10 linear feet for every 500 linear feet or fraction thereof, of each type, color, pattern, and size of resilient product installed.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store resilient products and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F.

1.6 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 95 deg F, in spaces to receive resilient products during the following time periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F or more than 95 deg F.
- C. Install resilient products after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 RESILIENT BASE

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Burke Mercer Flooring Products; Division of Burke Industries, Inc. (basis of design)
 - 2. Roppe Corporation, USA.
 - 3. Armstrong World Industries, Inc.
- B. Resilient Base: ASTM F 1861, Type TS (rubber, vulcanized thermoset), RB-1 and RB-2
 - 1. Style: Cove (base with toe).
 - 2. Minimum Thickness: 0.125 inch.
 - 3. Height: 4 inches unless otherwise indicated on Drawings.
 - 4. Lengths: Cut lengths 48 inches long, or coils in manufacturer's standard length.
 - 5. Outside Corners: Preformed.
 - 6. Inside Corners: Job formed or preformed.
 - 7. Colors:
 - a. RB-1 Burke Bluebonnet 323
 - b. RB-2 Deep Space 198

2.2 RESILIENT MOLDING ACCESSORIES

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Armstrong World Industries, Inc.
 2. Burke Mercer Flooring Products; Division of Burke Industries, Inc.
 3. Roppe Corporation, USA.
- B. Resilient Molding Accessories: Flooring terminations, transitions, reducer strips, and accessories as indicated and/or required for project conditions.
1. Material: Rubber.
 2. Profile and Dimensions: As indicated in Drawings and/or as required for project conditions.
 3. Colors and Patterns: As selected by Architect from full range of industry colors.

2.3 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by manufacturer to suit resilient products and substrate conditions indicated.
1. Adhesives shall comply with the following limits for VOC content when calculated according to 40 CFR 59, Subpart D (EPA Method 24):
 - a. Cove Base Adhesives: VOC content of not more than 50 g/L.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of resilient products.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.
1. Installation of resilient products indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of resilient products.

1. Testing Concrete Substrates: Owner will engage a testing agency to perform tests for moisture vapor emission, humidity, and pH per Division 09 Section "Flooring Moisture and pH Testing." In the absence of Owner testing, perform the following tests:
 - a. Testing for pH: Perform tests recommended by floor tile manufacturer. Proceed with installation only after substrate pH falls within range on pH scale recommended by manufacturer in writing, but not less than 5 or more than 9.
 - b. Moisture Testing: Proceed with installation only after substrates pass testing according to floor tile manufacturer's written recommendations, but not less stringent than the following:
 - 1) Perform anhydrous calcium chloride test according to ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - 2) Perform relative humidity test using in situ probes according to ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level.
2. Adhesion Testing: Perform tests recommended by floor tile manufacturer.

- B. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.
- C. Do not install resilient products until they are same temperature as the space where they are to be installed.
 1. At least 48 hours in advance of installation, move resilient products and installation materials into spaces where they will be installed.
- D. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient products.

3.3 RESILIENT BASE INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient base.
- B. Apply resilient base to walls, columns, pilasters, casework and cabinets in toe spaces, and other permanent fixtures in rooms and areas where base is required.
- C. Install resilient base in lengths as long as practicable without gaps at seams and with tops of adjacent pieces aligned.
- D. Tightly adhere resilient base to substrate throughout length of each piece, with base in continuous contact with horizontal and vertical substrates.
- E. Do not stretch resilient base during installation.
- F. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturer's recommended adhesive filler material.

- G. Outside Corners: Install preformed corners; install corners before installing straight pieces.
- H. Inside Corners: Install preformed or job formed inside corners.
 - 1. Preformed Corners: Install preformed corners before installing straight pieces.
 - 2. Job-Formed Corners: Use straight pieces of maximum lengths possible and form returns with not than 6 inches in length, miter corners to minimize open joints.

3.4 RESILIENT ACCESSORY INSTALLATION

- A. Comply with manufacturer's written instructions for installing resilient accessories.
- B. Resilient Molding Accessories: Butt to adjacent materials and tightly adhere to substrates throughout length of each piece. Install reducer strips at edges of carpet and resilient floor covering that would otherwise be exposed.

3.5 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protection of resilient products.
- B. Perform the following operations immediately after completing resilient product installation:
 - 1. Remove adhesive and other blemishes from exposed surfaces.
- C. Protect resilient products from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Cover resilient products subject to wear and foot traffic until Substantial Completion.

END OF SECTION

SECTION 096517
RESILIENT RUBBER SHEET FLOORING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Resilient rubber flooring

- B. Related Sections:

- 1. Division 09 Section "Resilient Base and Accessories" for resilient base, reducer strips, and other accessories installed with resilient floor coverings.

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated.

- B. Shop Drawings: For each type of floor covering. Include floor covering layouts, locations of seams, edges, columns, doorways, enclosing partitions, built-in furniture, cabinets, and cutouts.

- 1. Show details of special patterns.

- C. Samples for Initial Selection: For each type of floor covering indicated.

- D. Samples for Verification: In manufacturer's standard size, but not less than 6-by-9 inch sections of each different color and pattern of floor covering required.

- E. Maintenance Data: For each type of floor covering to include in maintenance manuals.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: A qualified installer who employs workers for this Project who are competent in techniques required by manufacturer for floor covering installation indicated.

- B. Fire-Test-Response Characteristics: As determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
- C. ASTM D412: Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension.
- D. ASTM D2047: Standard Test Method for Static Coefficient of Friction of Polish-Coated Floor Surfaces as measured by the James Machine.
- E. ASTM D2240: Standard Test Method for Rubber Property (Durometer Hardness).
- F. ASTM D3389: Standard Test Method for Coated Fabrics Abrasion Resistance (Rotary Platform Abrader).
- G. ASTM E648: Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source.
- H. ASTM E662: Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials.
- I. ASTM F710: Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.
- J. ASTM F970: Standard Test Method for Static Load Limit.
- K. ASTM F1514: Standard Test Method for Measuring Heat Stability of Resilient Flooring by Color Change.
- L. ASTM F1515: Standard Test Method for Measuring Light Stability of Resilient Flooring by Color Change.
- M. ASTM F1859: Standard Specification for Rubber Sheet Floor Covering without Backing (sections 7.1-7.6, 8.4-8.6)
- N. ASTM G21: Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store floor coverings and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F or more than 90 deg F. Store rolls upright.

1.6 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F or more than 85 deg F, in spaces to receive floor coverings during the following time periods:
 - 1. 48 hours before installation.

2. During installation.
 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 60 deg F or more than 85 deg F.
- C. Close spaces to traffic during floor covering installation.
- D. Close spaces to traffic for 48 hours after floor covering installation.
- E. Install floor coverings after other finishing operations, including painting, have been completed.

1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of resilient sheet flooring that fails within specified warranty period.
1. Warranty does not include deterioration or failure due to unusual traffic, vandalism, adhesive failure due to moisture or alkaline from the sub-floor, or abuse.
 2. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: For resilient rubber sheet flooring, as determined by testing identical products according to ASTM E 648 or NFPA 253 by a qualified testing agency.
1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

2.2 RESILIENT RUBBER SHEET FLOOR COVERING

- A. Basis of Design Product: Subject to compliance with requirements, provide the following:
1. Mondo America, Inc. Mondo Harmoni
 - a. Comparable products: Architect approved equal.
- B. Thickness: 0.118" (3 mm)
- C. Colors: HG506 Sphynx

- D. Texture: Smooth
- E. Manufactures in two layer which are vulcanized together. The shore hardness of the top layer will be greater than that of the bottom layer; shore hardness of layers to be recommended by the Manufacturer and the limits specified.
- F. Material available in sheets: 6'2" wide and 32'-9" long

2.3 PERFORMANCE:

- A. Product tested in accordance to ASTM F1860 (sheet flooring) and/or ASTM F1344 (tile flooring).
- B. Performance of the prefabricated rubber flooring to conform to the following criteria:

Performance Criteria	Test Method	Result
Tensile Strength	ASTM D412-06	≥ 600 psi
Coefficient of Friction	ASTM D2047-04	≥ 0.80
Hardness Shore A	ASTM D2240-05	92 ± 5 (wear layer) 88 ± 5 (backing)
Taber Abrasion	ASTM D3389-05	< 1.0g loss
Critical Radiant Flux	ASTM E648, NFPA 101	≥ 0.45 W/cm ² , Type I
Optical Density of Smoke	ASTM E662	<450, Class I
Static Loading	ASTM F970-06	≤ 0.003 in. (tested at 250 lbs)
Chemical Resistance	ASTM F925	Passes
Resistance to Heat	ASTM F1514	Passes
Colro Light Stability	ASTM F1515	Passes
Fungal Resistance Test	ASTM G21-96	No growth
GREENGUARD Certification	Indoor Air Quality	Yes
GREENGUARD Certification	Children and School	Yes

2.4 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland cement based or blended hydraulic-cement-based formulation provided or approved by manufacturer for applications indicated.
- B. Adhesives: Water-resistant type recommended by manufacturer to suit floor covering and substrate conditions indicated.
 - 1. Adhesives shall have a VOC content of 50 g/L or less.
- C. Seamless-Installation Accessories:
 - 1. Heat-Welding Bead: Manufacturer's solid-strand product for heat welding seams.
 - a. Color: Match floor covering.
- D. Floor Polish: Provide protective liquid floor polish products as recommended by manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 - 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of floor coverings.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare substrates according to manufacturer's written instructions to ensure adhesion of floor coverings.
- B. Concrete Substrates: Prepare according to ASTM F 710.
 - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 - 2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.

3. Testing Concrete Substrates: Concrete floor substrates shall be tested for moisture vapor emission, humidity, and alkalinity per Division 09 Section "Flooring Moisture and Alkalinity Testing."
 - a. Proceed with installation only after satisfactory test results for moisture vapor emissions, humidity, and alkalinity have been achieved.
- C. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound and remove bumps and ridges to produce a uniform and smooth substrate.
- D. Do not install floor coverings until they are same temperature as space where they are to be installed.
 1. Move floor coverings and installation materials into spaces where they will be installed at least 48 hours in advance of installation.
- E. Sweep and vacuum clean substrates to be covered by floor coverings immediately before installation.

3.3 FLOOR COVERING INSTALLATION

- A. Comply with manufacturer's written instructions for installing floor coverings.
- B. Unroll floor coverings and allow them to stabilize before cutting and fitting.
- C. Lay out floor coverings as follows:
 1. Maintain uniformity of floor covering direction.
 2. Minimize number of seams; place seams in inconspicuous and low-traffic areas, at least 6 inches away from parallel joints in floor covering substrates.
 3. Match edges of floor coverings for color shading at seams.
 4. Avoid cross seams.
- D. Scribe and cut floor coverings to butt neatly and tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, and door frames.
- E. Extend floor coverings into toe spaces, door reveals, closets, and similar openings.
- F. Maintain reference markers, holes, or openings that are in place or marked for future cutting by repeating on floor coverings as marked on substrates. Use chalk or other nonpermanent marking device.
- G. Adhere floor coverings to substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.
- H. Seamless Installation:
 1. Heat-Welded Seams: Comply with ASTM F 1516. Rout joints and use welding bead to permanently fuse sections into a seamless floor covering. Prepare,

weld, and finish seams to produce surfaces flush with adjoining floor covering surfaces.

3.4 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protection of floor coverings.
- B. Perform the following operations immediately after completing floor covering installation:
 - 1. Remove adhesive and other blemishes from floor covering surfaces.
 - 2. Sweep and vacuum floor coverings thoroughly.
 - 3. Damp-mop floor coverings to remove marks and soil.
- C. Protect floor coverings from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Floor Polish: Remove soil, visible adhesive, and surface blemishes from floor covering before applying liquid floor polish.
 - 1. Apply three coat(s).
- E. Cover floor coverings until Substantial Completion.

END OF SECTION

SECTION 096816
CARPETING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Owner-furnished, Contractor-Installed carpet
- 2. Contractor-furnished, Contractor Installed carpet

- B. Related Requirements:

- 1. Division 03 Section "Topical Concrete Vapor Control Barrier" for concrete vapor control.
- 2. Division 09 Section "Flooring Moisture and PH Testing" for testing of concrete floor substrates.
- 3. Division 09 Section "Resilient Base and Accessories" for resilient wall base and accessories installed with carpet.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

- 1. Review methods and procedures related to carpet installation including, but not limited to, the following:
 - a. Delivery, storage, and handling procedures.
 - b. Ambient conditions and ventilation procedures.
 - c. Subfloor preparation procedures.

1.4 ACTION SUBMITTALS

- A. Product Data: For carpet, adhesives, and accessory materials.

- 1. Carpet: For each type indicated, include manufacturer's written data on physical characteristics, durability, fade resistance, and installation recommendations for each type of substrate.
- 2. Documentation of VOC content for adhesives.
- 3. Documentation indicating carpet installed in the building interior meets the

requirements of California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emissions testing method for California Specification 01350).

B. Shop Drawings: Show the following:

1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet.
2. Carpet type, color, and dye lot.
3. Locations where dye lot changes occur.
4. Seam locations, types, and methods.
5. Type of subfloor.
6. Type of installation.
7. Pattern type, repeat size, location, direction, and starting point.
8. Pile direction.
9. Type, color, and location of insets and borders.
10. Type, color, and location of edge, transition, and other accessory strips.
11. Transition details to other flooring materials.

C. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.

1. Carpet: 12-inch square Sample.
2. Carpet Seam: 6-inch Sample.

D. Product Schedule: For carpet. Use same designations indicated on Drawings.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified Installer.
- B. Product Test Reports: For carpet, for tests performed by a qualified testing agency.
- C. Sample Warranties: For special warranties.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For carpet to include in maintenance manuals. Include the following:
 1. Methods for maintaining carpet, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
 2. Precautions for cleaning materials and methods that could be detrimental to carpet.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Carpet: Full-width rolls equal to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd.

1.8 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced Installer who is certified by the International Certified Floorcovering Installers Association at the Master II certification level.
- B. Fire-Test-Response Ratings: Where indicated, provide carpet identical to those of assemblies tested for fire response per NFPA 253 by a qualified testing agency.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Comply with CRI 104.

1.10 FIELD CONDITIONS

- A. Comply with CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet until spaces are enclosed and weathertight, wet work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at occupancy levels during the remainder of the construction period.
- C. Do not install carpet over concrete slabs until slabs have cured, are sufficiently dry to bond with adhesive, and have pH range recommended by carpet manufacturer.
- D. Where demountable partitions or other items are indicated for installation on top of carpet, install carpet before installing these items.

1.11 WARRANTY

- A. Special Warranty for Carpet: Manufacturer agrees to repair or replace components of carpet installation that fail in materials or workmanship within specified warranty period.
 - 1. Warranty does not include deterioration or failure of carpet due to unusual traffic, failure of substrate, vandalism, or abuse.
 - 2. Failures include, but are not limited to, more than 10 percent loss of face fiber, edge raveling, snags, runs, loss of tuft bind strength, excess static discharge, and delamination.
 - 3. Warranty Period: (10) Ten years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Sustainability Requirements: Carpet shall comply with 2019 California Green Building Standards Code, Section 5.504.4.4: Carpet installed in the building interior shall meet the requirements of California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emissions testing method for California Specification 01350).

2.2 TUFTED CARPET - CPT-1 (OWNER-FURNISHED, CONTRACTOR INSTALLED FIELD CARPET)

- A. Basis-of-Design Product: Drawings and Specifications are based on the following:

- 1. Tandus Centiva, a Tarkett Co.; Infinity Powerbond Series.

- B. Installation Method: Glue down

- C. Physical Properties:

- 1. Color and Pattern: Clovis Blue – Custom Color
- 2. Fiber Content: 100 percent nylon 6, 6.
- 3. Fiber Type: Antron® Legacy Nylon.
- 4. Pile Characteristic: Textured-loop pile.
- 5. Pile Thickness: 0.070 inches
- 6. Stitches: 9.5 stitches per inch.
- 7. Gage: 1/13 gage in ends per inch.
- 8. Face Weight: 20 oz./sq. yd.
- 9. Primary Backing: non-woven synthetic fiber.
- 10. Secondary Backing: Powerbond Cushion

- D. Performance Characteristics: As follows:

- 1. Tuft Bind: Not less than 25 lbf per ASTM D 1335.
- 2. Colorfastness to Light: Not less than 4 after 100 AFU (AATCC fading units) per AATCC 16, Option E.
- 3. Surface Flammability: Meets CAN/CGSB-4.2 No. 27.6/DOC FF1-70
- 4. Smoke Generation: Less than 450 (ASTM E-662)
- 5. Flooring Radiant Panel: Class 1 (ASTM E-648)

2.3 TUFTED CARPET - CPT-2 (CONTRACTOR-FURNISHED, CONTRACTOR INSTALLED FIELD CARPET)

- A. Basis-of-Design Product: Drawings and Specifications are based on the following:

- 1. Tandus Centiva, a Tarkett Co.

B. Installation Method: Glue down

C. Physical Properties:

1. Color and Pattern: Metri II – Metri 04654 Quartzite 62105
2. Fiber Content: 100 percent nylon 6, 6.
3. Fiber Type: Dynex® Nylon.
4. Pile Characteristic: Patterned loop pile.
5. Pile Thickness: 0.120 inches
6. Gage: 5/64”
7. Face Weight: 21 oz./sq. yd.
8. Primary Backing: non-woven synthetic fiber.
9. Secondary Backing: Powerbond Cushion

D. Performance Characteristics: As follows:

1. Tuft Bind: Not less than 25 lbf per ASTM D 1335.
2. Colorfastness to Light: Not less than 4 after 100 AFU (AATCC fading units) per AATCC 16, Option E.
3. Surface Flammability: Meets CAN/CGSB-4.2 No. 27.6/DOC FF1-70
4. Smoke Generation: Less than 450 (ASTM E-662)
5. Flooring Radiant Panel: Class 1 (ASTM E-648)

2.4 TUFTED CARPET - CPT-3 (CONTRACTOR-FURNISHED, CONTRACTOR INSTALLED FIELD CARPET)

A. Basis-of-Design Product: Drawings and Specifications are based on the following:

1. Tandus Centiva, a Tarkett Co.;

B. Installation Method: Glue down

C. Physical Properties:

1. Color and Pattern: TextureMap – Texture Map 11129 Indian Ink 42809
2. Fiber Content: 100 percent nylon 6, 6.
3. Fiber Type: Dynex SD® Nylon.
4. Pile Characteristic: Patterned loop pile.
5. Pile Thickness: 0.090 inches
6. Gage: 5/64”
7. Face Weight: 20 oz./sq. yd.
8. Primary Backing: non-woven synthetic fiber.
9. Secondary Backing: Modular ethos with Omnicoat Technology

D. Performance Characteristics: As follows:

1. Tuft Bind: Not less than 25 lbf per ASTM D 1335.
2. Colorfastness to Light: Not less than 4 after 100 AFU (AATCC fading units) per AATCC 16, Option E.
3. Surface Flammability: Meets CAN/CGSB-4.2 No. 27.6/DOC FF1-70

4. Smoke Generation: Less than 450 (ASTM E-662)
5. Flooring Radiant Panel: Class 1 (ASTM E-648)

2.5 TUFTED CARPET-CPT-M (CONTRACTOR-FURNISHED, CONTRACTOR INSTALLED WALKOFF MATS)

A. Basis-of-Design Product: Drawings and Specifications are based on the following:

1. Tarkett; Abrasive Action II #02578
 - a. Subject to compliance with requirements, provide product indicated or submit a Request for Substitution, substitutions must be approved by the Architect

B. Installation Method: Glue down

C. Physical Properties:

1. Color: Charcoal
2. Fiber Content: 100 percent nylon 6, 6.
3. Fiber Type: TDX® Nylon.
4. Pile Characteristic: Accuweave ® Patterned Loop
5. Pile thickness: 0.187”
6. Stitches: 8.0 per inch.
7. Gage: 1/12
8. Face Weight: 24.0 oz./sq. yd.
9. Primary Backing: non-woven synthetic fiber
10. Secondary Backing: Powerbond closed cell cushion
11. Width: 6 feet
12. Applied Soil-Resistance Treatment: Ensure.

D. Performance Characteristics: As follows:

1. Tuft Bind: 25 lbs. min. average per ASTM D 1335.
2. Colorfastness to Light: Not less than 4 after 100 hours (AATCC 16E)
3. Surface flammability: Passes CPSC FF-170 (ASTM D-2859)
4. Smoke generation: Less than 450 (ASTM E-662)
5. Flooring Radiant Panel: Class 1 (ASTM E-648)

2.6 INSTALLATION ACCESSORIES

A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet manufacturer.

B. Adhesives: Water-resistant, mildew-resistant, nonstaining type to suit products and subfloor conditions indicated, that complies with flammability requirements for installed carpet and is recommended or provided by carpet manufacturer.

1. Adhesives shall have a VOC content of not more than 50 g/L when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

- C. Seam Adhesive: Chemical weld or similar product recommended by carpet manufacturer for sealing seams and butting cut edges at backing to form secure seams and to prevent pile loss at seams.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, pH range, installation tolerances, and other conditions affecting carpet performance. Examine carpet for type, color, pattern, and potential defects.
- B. Concrete Slabs: Verify that finishes comply with requirements specified in Division 03 Section "Cast-in-Place Concrete" and that surfaces are free of cracks, ridges, depressions, scale, and foreign deposits.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. General: Comply with CRI's "CRI Carpet Installation Standard" and with carpet manufacturer's written installation instructions for preparing substrates to ensure adhesion of flooring products.
- B. Concrete Substrates: Prepare according to ASTM F 710.
 - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 - a. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by manufacturer. Do not use solvents.
 - b. Do not abrasively clean concrete substrates have been treated with a topical concrete vapor control barrier; comply with requirements of vapor control barrier manufacturer.
 - 2. Testing Concrete Substrates: Owner will engage a testing agency to perform tests for moisture vapor emission, humidity, and pH per Division 09 Section "Flooring Moisture and pH Testing." In the absence of Owner testing, perform the following tests:
 - a. Testing for pH: Perform tests recommended by floor tile manufacturer. Proceed with installation only after substrate pH falls within range on pH scale recommended by manufacturer in writing, but not less than 5 or more than 9.
 - b. Moisture Testing: Proceed with installation only after substrates pass testing according to floor tile manufacturer's written recommendations, but not less stringent than the following:

- 1) Perform anhydrous calcium chloride test according to ASTM F 1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. in 24 hours.
 - 2) Perform relative humidity test using in situ probes according to ASTM F 2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level.
3. Adhesion Testing: Perform tests recommended by floor tile manufacturer.
- C. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch wide or wider, and protrusions more than 1/32 inch, unless more stringent requirements are required by manufacturer's written instructions.
- D. Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by carpet manufacturer.
- E. Broom and vacuum clean substrates to be covered immediately before installing carpet.

3.3 INSTALLATION

- A. Comply with CRI's "CRI Carpet Installation Standard and carpet manufacturer's written installation instructions for the following:
1. Direct-Glue-Down Installation: Comply with CRI 104, Section 9, "Direct Glue-Down Installation."
- B. Comply with carpet manufacturer's written recommendations and Shop Drawings for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under the door in closed position.
- C. Do not bridge building expansion joints with carpet.
- D. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet manufacturer.
- E. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on finish flooring as marked on subfloor. Use non-permanent, non-staining marking device.

3.4 CLEANING AND PROTECTING

- A. Perform the following operations immediately after installing carpet:

1. Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended by carpet manufacturer.
 2. Remove yarns that protrude from carpet surface.
 3. Vacuum carpet using commercial machine with face-beater element.
- B. Protect installed carpet to comply with CRI's "CRI Carpet Installation Standard."
- C. Protect carpet against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet manufacturer and carpet adhesive manufacturer.

END OF SECTION

SECTION 099100
PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specifications Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes surface preparation and field painting, staining or refinishing of the following:
 - 1. Exposed exterior items and surfaces.
 - 2. Exposed interior items and surfaces.
 - 3. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.
- B. Related Sections include but are not limited to the following:
 - 1. Division 05 Sections for shop priming of metal substrates with primers specified in this Section.
 - 2. Division 06 Sections for shop priming carpentry with primers specified in this Section.
 - 3. Division 08 Sections for shop priming of metal doors and frames with primers specified in this Section.
 - 4. Division 09 Section "Gypsum Board" for sealing gypsum board surfaces before application of surface textures with primers/sealers specified in this Section.
 - 5. Division 21 through 23 Sections for additional requirements for painting of plumbing and mechanical items.
 - 6. Division 26 through 28 Sections for additional requirements for painting of electrical items.

1.3 DEFINITIONS

- A. Definitions of gloss levels below are from "MPI Architectural Painting Specification Manual" (hereafter, "MPI Manual").
 - 1. Gloss Level 1: Not more than 5 units at 60 degrees and 10 units at 85 degrees, according to ASTM D 523.
 - 2. Gloss Level 3: 10 to 25 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.
 - 3. Gloss Level 4: 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, according to ASTM D 523.

4. Gloss Level 5: 35 to 70 units at 60 degrees, according to ASTM D 523.
5. Gloss Level 6: 70 to 85 units at 60 degrees, according to ASTM D 523.
6. Gloss Level 7: More than 85 units at 60 degrees, according to ASTM D 523.

1.4 SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.
- B. Samples for Initial Selection: Manufacturer's color charts showing the full range of colors available for each type of finish-coat material indicated.
- C. Samples for Verification: For each type of paint system and each color and gloss of topcoat.
 1. Submit Samples on 8 inch square samples of actual material to be painted or stained.
 2. Step coats on Samples to show each coat required for system.
 3. Label each coat of each Sample.
 4. Label each Sample for location and application area.
- D. Product List: For each product indicated, include the following:
 1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.
 2. VOC content.
- E. Coating Maintenance Manual: Submit with Closeout/Maintenance Submittals a Coating Maintenance manual; manual shall include a floor plan with rooms identified by name and number, a finish schedule coordinated with the floor plan, designations of where each product/color/finish was used, product data pages, Material Safety Data Sheets, care and cleaning instructions, touch-up procedures, and color samples of each color and finish used.

1.5 QUALITY ASSURANCE

- A. Applicator Qualifications: Engage an experienced applicator who has completed painting system applications similar in material and extent to that indicated for this Project with a record of successful in-service performance.
- B. Source Limitations: Obtain block fillers, primers, and undercoat materials for each coating system from the same manufacturer as the finish coats.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to the Project Site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label, and the following information:
 1. Product name or title of material.

2. Product description (generic classification or binder type).
 3. Manufacturer's stock number and date of manufacture.
 4. Contents by volume, for pigment and vehicle constituents.
 5. Thinning instructions.
 6. Application instructions.
 7. Color name and number.
 8. VOC content.
- B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 deg F.
1. Maintain containers used in storage in a clean condition, free of foreign materials and residue.
 2. Keep storage area neat and orderly. Remove oily rags and waste daily.
 3. Take necessary measures to ensure that workers and work areas are protected from fire and health hazards resulting from handling, mixing, and application.

1.7 PROJECT CONDITIONS

- A. Apply paints only when the temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F.
- B. Do not apply paint in snow, rain, fog, or mist; or when the relative humidity exceeds 85 percent; or at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.
- C. Protection:
1. Cover or otherwise protect finished work of other trades, work not to be painted concurrently, landscaping, and adjacent property from damage.
 2. When not in use, store paints in designated areas. Keep containers closed. At end of day's work, remove empty containers, paint soaked rags, and debris. Vent fumes. Take precautions to prevent fire.
- D. Sequencing, Scheduling:
1. Coordinate removal and replacement of hardware, electrical fixtures and trim, and related work of other Sections.
 2. Stain, prime, back paint, and pre-finish items before installation as required.
- E. Cleaning and Disposal:
1. Do not use Project plumbing fixtures or piping systems for:
 - a. Cleaning painting equipment and utensils.
 - b. Disposal of waste from cleaning or disposal of paints.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Scheduled Paint Systems: Provide paint systems as scheduled on the Drawings and listed in Part 3 Article "Paint Systems" to comply with requirements in this Section.
1. Named Manufacturers' Products: Manufacturer and product designations indicated in the scheduled paint systems are for the purpose of establishing minimum requirements; unless otherwise indicated, paint products are based on products manufactured by the following:
 - a. Sherwin Williams Paints.
 - 1) Subject to compliance with requirements, provide the named products or comparable products by one of the following:
 - a) Dunn-Edwards Paints.
 - b) Glidden Professional.
 - c) PPG Paints.
 - d) Tnemec.

PAINT MATERIALS, GENERAL

- B. Material Compatibility: Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
1. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
- C. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified. Paint-material containers not displaying manufacturer's product identification will not be acceptable.
- D. VOC Content: Paints and coatings applied at the Project site shall comply with VOC limits of authorities having jurisdiction; VOC limits, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D (EPA Method 24); and VOC limits of the California Green Building Standards Code (CGBSC), Section 5.504.4.3 and Table 504.4.3 as follows:
1. Flat Paints and Coatings: VOC not more than 50 g/L.
 2. Non-flat Paints and Coatings: VOC not more than 100 g/L.
 3. Non-flat High-Gloss Paints and Coatings: VOC not more than 150 g/L.
 4. Dry-Fog Coatings: VOC not more than 150 g/L.
 5. Floor Coatings: VOC not more than 100 g/L.
 6. Pretreatment Wash Primers: VOC not more than 420 g/L.
 7. Primers, Sealers, and Undercoaters: VOC not more than 100 g/L.
 8. Rust Preventative Coatings Applied to Ferrous Metals: VOC not more than 250 g/L.
 9. Shellacs, Clear: VOC not more than 730 g/L.

10. Shellacs, Pigmented: VOC not more than 550 g/L.
11. Stains: VOC not more than 250 g/L.
12. Clear Wood Finishes, Varnishes: VOC not more than 275 g/L.
13. Clear Wood Finishes, Lacquers: VOC not more than 275 g/L.
14. Zinc-Rich Industrial Maintenance Primers: VOC not more than 340 g/L.

E. Colors: Provide the interior color selections indicated below and as referenced in drawings. See Paint Systems schedule at the end of this section. Colors shall be factory mixed and match approved samples.

1. GB-1, Dunn Edwards White DEW380 LRV 93
2. GB-2, Sherwin Williams SW 7075 Web Gray
3. GB-3, Dunn Edwards White DEW380 LRV 93
4. GB-4, --
5. GB-5, Sherwin Williams 6071 Popular Gray
6. GB-6, Sherwin Williams SW7615 Sea Serpent
7. GB-7, Sherwin Williams SW6460 Kale Green

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 1. Concrete: 12 percent.
 2. Masonry (Clay and CMU): 12 percent.
 3. Wood: 15 percent.
 4. Portland Cement Plaster: 12 percent.
 5. Gypsum Board: 12 percent.
- C. Portland Cement Plaster Substrates: Verify that plaster is fully cured.
- D. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.
- E. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- F. Proceed with coating application only after unsatisfactory conditions have been corrected.
 1. Application of coating indicates acceptance of surfaces and conditions.
- G. Coordination of Work: Review other Sections in which primers are provided to ensure compatibility of the total system for various substrates. On request, furnish information

on characteristics of finish materials to ensure use of compatible primers.

1. Notify the Architect of anticipated problems using the materials specified over substrates primed by others.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
 2. Schedule cleaning and painting so dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.
- D. Concrete and Masonry Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Perform appropriate tests to determine alkalinity and moisture content of surfaces; testing shall be performed or witnessed by a certified representative of the paint manufacturer. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.
 1. Cracks and defects at concrete and masonry surfaces shall be filled with cement grout; match surface texture.
 2. Clean concrete floors to be painted with a 5 percent solution of muriatic acid or other etching cleaner. Flush the floor with clean water to remove acid, neutralize with ammonia, rinse, allow to dry, and vacuum before painting.
- E. Steel Substrates: Remove rust, loose mill scale, and shop primer if any. Clean using methods recommended in writing by paint manufacturer but not less than the following:
 1. Steel Structures Painting Council's (SSPC), SSPC-SP 3, "Power Tool Cleaning."
- F. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.
- G. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.
- H. Aluminum Substrates: Remove loose surface oxidation.

- I. Wood Substrates: Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required.
 - 1. Scrape and clean knots. Before applying primer, apply coat of knot sealer recommended in writing by topcoat manufacturer for exterior use in paint system indicated.
 - 2. Sand surfaces that will be exposed to view, and dust off.
 - 3. Prime, stain, or seal wood to be painted immediately on delivery. Prime edges, ends, faces, undersides, and backsides of wood.
 - a. When transparent finish is required, backprime with spar varnish.
 - b. Backprime paneling on interior partitions where masonry, plaster, or other wet wall construction occurs on backside.
 - c. Seal tops, bottoms, and cutouts of unprimed wood doors with a heavy coat of varnish or sealer immediately on delivery.
 - 4. After priming, fill holes and imperfections in the finish surfaces with putty or plastic wood filler. Sand smooth when dried.
- J. Plastic Trim Fabrication Substrates: Remove dust, dirt, and other foreign material that might impair bond of paints to substrates.
- K. Materials Preparation: Mix and prepare paint materials according to manufacturer's written instructions.
 - 1. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.
 - 2. Stir material before application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material. If necessary, remove surface film and strain material before using.
 - 3. Use only thinners approved by paint manufacturer and only within recommended limits.
- L. Drywall: Fill any cracks or defects with drywall joint compound. Sand any rough spots smooth. Do not raise nap on paper covering.

3.3 APPLICATION

- A. General: Apply paints according to manufacturer's written instructions and recommendations in "MPI Manual." Paint/stain exposed surfaces, except where schedules indicate that a surface or material is not to be painted/stained or is to remain natural. If schedules do not specifically mention an item or surface to be painted, paint the item or surface the same as similar adjacent materials or surfaces whether or not schedules indicate colors. If the schedules do not indicate color or finish, the Architect will select from standard colors and finishes available.
 - 1. Use applicators and techniques suited for paint and substrate indicated.
 - 2. Paint surfaces behind movable items same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed items with prime coat only.
 - 3. Paint both sides and edges of exterior doors and entire exposed surface of

- exterior door frames.
4. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
 5. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
 6. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.
 7. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
 8. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, convector covers, covers for finned-tube radiation, grilles, and similar components are in place. Extend coatings in these areas, as required, to maintain the system integrity and provide desired protection.
 9. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels.
 - a. Prefinished items include the following factory-finished components:
 - 1) Aluminum storefronts and entrances.
 - 2) Anodized aluminum gypsum board and plaster trim.
 - 3) Acoustical wall panels.
 - 4) Stainless steel items.
 - 5) Finished mechanical and electrical equipment.
 - 6) Light fixtures.
 - 7) Distribution cabinets.
 - b. Labels: Do not paint over Underwriters Laboratories (UL), Factory Mutual (FM), or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.
- B. Tint undercoats same color as topcoat, but tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
- E. Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.
1. The number of coats and the film thickness required are the same regardless of application method. Do not apply succeeding coats until the previous coat has cured as recommended by the manufacturer. If sanding is required to produce a smooth, even surface according to manufacturer's written instructions, sand between applications.
 2. Omit primer on metal surfaces that have been shop primed and touchup painted.
 3. If undercoats, stains, or other conditions show through final coat of paint, apply

additional coats until paint film is of uniform finish, color, and appearance. Give special attention to ensure edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.

4. Allow sufficient time between successive coats to permit proper drying. Do not recoat surfaces until paint has dried to where it feels firm, does not deform or feel sticky under moderate thumb pressure, and where application of another coat of paint does not cause the undercoat to lift or lose adhesion.
- F. Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions and recommendations in "MPI Manual."
1. Brushes: Use brushes best suited for the type of material applied. Use brush of appropriate size for the surface or item being painted.
 2. Rollers: Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended by the manufacturer for the material and texture required.
 3. Spray Equipment: Use airless spray equipment with orifice size as recommended by the manufacturer for the material and texture required.
- G. Minimum Coating Thickness: Apply paint materials no thinner than manufacturer's recommended spreading rate. Provide the total dry film thickness of the entire system as recommended by the manufacturer.
- H. Block Fillers: Apply block fillers to concrete masonry block at a rate to ensure complete coverage with pores filled.
- I. Prime Coats: Before applying finish coats, apply a prime coat of material, as recommended by the manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn through or other defects due to insufficient sealing.
- J. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.
- K. Transparent (Clear) Finishes: Use multiple coats to produce a glass-smooth surface film of even luster. Provide a finish free of laps, runs, cloudiness, color irregularity, brush marks, orange peel, nail holes, or other surface imperfections.
1. Provide satin finish for final coats.
- L. Stipple Enamel Finish: Roll and redistribute paint to an even and fine texture. Leave no evidence of rolling, such as laps, irregularity in texture, skid marks, or other surface imperfections.
- M. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not complying with requirements.
- N. Painting Fire Suppression, Plumbing, HVAC, Electrical, Communication, and Electronic

Safety and Security Work: Paint the following work where exposed to view at applications indicated:

1. Equipment rooms:
 - a. Telecommunications backboards; paint with intumescent paint.
 - b. Equipment, including panelboards.

2. Occupied areas:
 - a. Equipment, including panelboards.
 - b. Uninsulated metal piping.
 - c. Uninsulated plastic piping.
 - d. Pipe hangers and supports.
 - e. Metal conduit.
 - f. Plastic conduit.
 - g. Ducts, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
 - h. Interior surfaces of ducts with a flat, nonspecular black paint where visible through registers or grilles.
 - i. Other items as directed by Architect.

3. Exterior locations:
 - a. Equipment, including panelboards.
 - b. Uninsulated metal piping.
 - c. Uninsulated plastic piping.
 - d. Pipe hangers and supports.
 - e. Metal conduit.
 - f. Plastic conduit.

3.4 CLEANING AND PROTECTION

- A. At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from the site.

- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.

- D. Provide "Wet Paint" signs to protect newly painted finishes. Remove temporary protective wrappings provided by others to protect their work after completing painting operations.

- E. Correction of Defective Work:
 1. Repair abraded, damaged or incomplete paint surfaces by methods acceptable to Architect. Spot repairs to be well-blended into adjacent work. For large

- repairs, re-coat entire plane or building element in which damaged area occurs.
2. Defaced surfaces of work not to be painted shall be cleaned and their original finish restored.

F. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.5 PAINT SYSTEMS

A. Interior Paint Systems:

INTERIOR SURFACE		PAINT SYSTEM		COATS	MANUFACTURER'S DESIGNATION	
(1)	Gypsum Drywall	P12.A	Flat, Latex	First Coat Second Coat Third Coat	B28 B30 B30	ProMar 200 Zero Primer ProMar 200 Zero Flat ProMar 200 Zero Flat
		P12.B	Semi-Gloss Latex	First Coat Second Coat Third Coat	B28 B31 B31	ProMar 200 Zero Primer ProMar 200 Zero SG ProMar 200 Zero SG
		P12.C	Eggshell Enamel Latex	First Coat Second Coat Third Coat	061 B20 B20	ProMar 200 Zero Primer ProMar 200 Zero EG ProMar 200 Zero EG
(2)	Wood	P13.A	Semi-Gloss Latex	First Coat Second Coat Third Coat	B28 B31 B31	Premium Wall & Wood ProMar 200 Zero SG ProMar 200 Zero SG
		P13.B	Eggshell Enamel, Latex	First Coat Second Coat Third Coat	168 A75 A75	Premium Wall & Wood Solo EG Solo EG
(2A)	Telecom Plywood Backboard	P13.H	Intumescent Paint	Primer First Coat Second Coat		(Primer if req. by intumescent paint mfr) Flame Stop IM Flame Stop IM
(3)	Ferrous Metal	P14.A	Flat Latex	First Coat Second Coat Third Coat	B66310 A74 A74	ProCryl Metal Primer Solo Flat Solo Flat
		P14.B	Semi-Gloss Latex	First Coat Second Coat Third Coat	B66310 A76 A76	ProCryl Metal Primer Solo SG Solo SG
		P14.C	Eggshell Latex	First Coat Second Coat Third Coat	B66310 A75 A75	ProCryl Metal Primer Solo EG Solo EG
(4)	Galvanized Metal/ Aluminum	P15.A	Flat Latex	First Coat Second Coat Third Coat	B66310 A74 A74	ProCryl Metal Primer Solo Flat Solo Flat
		P15.B	Semi-Gloss Latex	First Coat Second Coat	B66310 A76	ProCryl Metal Primer Solo SG

INTERIOR SURFACE		PAINT SYSTEM		COATS	MANUFACTURER'S DESIGNATION	
				Third Coat	A76	Solo SG
		P15-C	Eggshell Latex	First Coat Second Coat Third Coat	B66310 A75 A75	ProCryl Metal Primer Solo EG Solo EG

INTERIOR SURFACE		PAINT SYSTEM		COATS	MANUFACTURER'S DESIGNATION	
5)	Plaster, Concrete, Brick	P16.A	Flat Latex	First Coat Second Coat Third Coat	LX02 B30 B30	Lexon ProMar 200 Zero Flat ProMar 200 Zero Flat
		P16.B	Semi-Gloss Latex	First Coat Second Coat Third Coat	LX02 B31 B31	Lexon ProMar 200 Zero SG ProMar 200 Zero SG
		P16.C	Eggshell Latex	First Coat Second Coat Third Coat	LX02 B20 B20	Lexon ProMar 200 Zero EG ProMar 200 Zero EG
(6)	Ceiling and Wall w/ misc. Pipes & Conduit Exposed, Trusses & Beams w/Spray- on Fire Insulation	P20.A	Latex Dry Fall	One Coat	B42	PI Waterbased Dryfall – color as selected by architect.

(Exterior Paint Systems start on the following page)

B. Exterior Paint Systems:

EXTERIOR SURFACE		PAINT SYSTEM		COATS	MANUFACTURER'S DESIGNATION	
(1)	Plaster, Concrete	P50.A	Flat, Acrylic	First Coat Second Coat Third Coat	LX02 A6 A6	Loxon A-100 A-100
		P50.B	Low Sheen Enamel Acrylic	First Coat Second Coat Third Coat	LX02 126 126	Loxon A-100 A-100
		P50.C	Elastomeric (Smooth) 5-year labor warranty	First Coat Second Coat Third Coat (Spray App.)	LX02 CF12 CF12	Loxon Masonry Primer Conflex-XL Conflex-XL
		P50.D	Elastomeric (Medium Aggregate) 5-year labor warranty	First Coat Second Coat Third Coat	LX02 CF12 CF12	Loxon Masonry Primer Conflex-XL Conflex-XL
(3)	Wood	P53.A	Flat Acrylic Emulsion	First Coat Second Coat Third Coat	B42 A6 A6	Exterior Wood Primer A-100 A-100
		P53.B	Semi-Gloss Acrylic	First Coat Second Coat Third Coat	B42 A76 A76	Exterior Wood Primer Solo-SG Solo-SG
		P53.C	Low Sheen Enamel Acrylic	First Coat Second Coat Third Coat	B42 A75 A75	Exterior Wood Primer Solo-LS Solo-LS
(3) (Cont.)	Wood	P53.D	Flat, Stain, Water-Base, Semi-Transp.	First Coat Second Coat	A15T A15T	Deckscares-ST Stain Deckscares-ST Stain (A15T00215)
		P53.E	Flat, Stain Opaque	First Coat Second Coat	A6 A6	A100 A100
		P53.F	Varnish-Clear Gloss	First Coat Second Coat Third Coat	6509 6509 6509	McCloskey's Spar McCloskey's Spar McCloskey's Spar
		P53.G	Stain and Varnish	First Coat Second Coat Third Coat	6509 6509 6509	Aqua Seal McCloskey's McCloskey's
(4)	Ferrous Metal	P55.D	Gloss, High Perform.	First Coat Second Coat Third Coat	646 B65 B65	Macropoxy Epoxy Acrolon 100 Acrolon 100
		P55.E	Semi-Gloss High Perform.	First Coat Second Coat Third Coat	B66- 310 B66 B66	ProCryl Primer Pro Ind DTM Acrylic Pro Ind DTM Acrylic

EXTERIOR SURFACE		PAINT SYSTEM		COATS	MANUFACTURER'S DESIGNATION	
(5)	Galv. Metal & Aluminum	P56.A	Gloss	First Coat Second Coat Third Coat	B66-310 A77 A77	ProCryl Primer Solo-GL Solo-GL
		P56.B	Flat, Acrylic	First Coat Second Coat Third Coat	B66-310 A74 A74	ProCryl Primer Solo Flat Solo Flat
		P56.C	Semi-Gloss Enamel Acrylic	First Coat Second Coat Third Coat	B66-310 B53 B53	ProCryl Primer PI-WB Urethan Enamel PI-WB Urethan Enamel
		P56.D	Gloss	First Coat Second Coat Third Coat	B66-310 A77 A77	ProCryl Primer Solo-GL Solo-GL
		P56.E	Semi Gloss	First Coat Second Coat Third Coat	B66-310 A76 A76	ProCryl Primer Solo S/G SoloS/G
(6)	Galv. Metal & Aluminum	P57.C	Gloss High Perform.	First Coat Second Coat Third Coat	646 B65 B65	Marcopoxy Epoxy Acrolon 100 High Gloss Acrolon 100 High Gloss
	High Perf.	P57.D	Semi-Gloss High Perform.	First Coat Second Coat Third Coat	B71Y1 B66 B66	DTM Wash Primer Pro Ind DTM Acrylic Pro Ind DTM Acrylic

END OF SECTION

LAND DEPT.
ACQUIRE LAND RIGHTS

3 4 5

4 CABLE & PULLING DATA FOR ENCLOSURE 385166							
FROM ENCLOSURE	NO. of CABLES	CABLE TYPE	ESTIMATED TENSION	ACTUAL TENSION	GALLONS LUBE	FRT END PACKS	RUN LENGTH W/TAIIS
J2035	3	1/OAL	441		1	2	335

6 CABLE & PULLING DATA FOR ENCLOSURE J2035							
FROM ENCLOSURE	NO. of CABLES	CABLE TYPE	ESTIMATED TENSION	ACTUAL TENSION	GALLONS LUBE	FRT END PACKS	RUN LENGTH W/TAIIS
T393326	3	1/OAL	477		1	2	321

NOTES: 09-18-18

REFER TO ELECTRIC & GAS SERVICE REQUIREMENTS (GREEN BOOK) OR SEPARATE PG&E STANDARD DRAWINGS. CONTACT YOUR PG&E REPRESENTATIVE FOR COPIES, OR ACCESS www.pge.com/greenbook

CONDUIT, TRENCHING, AND BACKFILL:

- 1) ALL DIMENSIONS AND LOCATIONS ARE ESTIMATED, APPROXIMATE AND MAY BE SUPERSEDED BY A JOINT TRENCH DRAWING. REFER TO THE JOINT TRENCH COMPOSITE DRAWING FOR EXACT TRENCH LOCATION
- 2) MAINTAIN MAXIMUM PRACTICABLE HORIZONTAL CLEARANCE BETWEEN POLE FACILITIES AND "NET" UTILITIES (WATER, SEWER, STORM DRAIN, ETC.). THE MIN. ALLOWABLE SEPARATION BETWEEN PG&E FACILITIES AND ANY PARALLEL "NET" UTILITY IS 3'/0". WITH THE PRESENCE OF 1/2" OF UNDISTURBED EARTH OR THE INSTALLATION OF A SUITABLE BARRIER, THIS MEASUREMENT IS BETWEEN THE OUTER EDGE OF THE POLE FACILITY AND THE OUTER EDGE OF THE PARALLEL "NET" UTILITY. IF 3'/0" CANNOT BE MAINTAINED, A FORMAL VARIANCE MUST BE OBTAINED FROM PG&E. WORK WITH THE PG&E INSPECTOR (REFERENCE PG&E UO STANDARD 55443).
- 3) BOX, PAD, AND CONDUIT SIZES AND LOCATIONS SHALL CONFORM TO THE PG&E ELECTRIC CONSTRUCTION DRAWING.
- 4) PROVIDE LONG CONDUIT SWEEPS WHERE INDICATED. RECOMMENDED SWEEP RADIUS (10' OF RADIUS PER INCH OF CONDUIT DIAMETER) EXAMPLE: 4" CONDUIT = 40' RADIUS
- 5) DO NOT EXCEED 300 DEGREES OF BENDS IN ANY CONDUIT RUN (INCLUDING FEED LOCATION). NOTE: SECONDARY AND SERVICE RUNS OF 200 FEET OR LESS MAY HAVE UP TO 315 DEGREES OF BENDS (REFERENCE PG&E DOCUMENT 138193).
- 6) MANUFACTURED BENDS OR APPLICATION OF HEAT SHALL NOT BE USED TO OBTAIN LONG CONDUIT SWEEPS.
- 7) ALL CONDUITS SHALL BE PROVEN AND A POLYESTER PULLING TAPE INSTALLED.
- 8) MANUFACTURED BENDS ARE NOT TO BE CUT, SHORTENED, OR ALTERED IN ANY WAY.
- 9) IDENTIFY ENDS OF BURIED CONDUIT WITH AN ELECTRONIC MARKER AND A VERTICAL CONDUIT SCRAP INSTALLED FROM ROAD CAP TO GROUND LEVEL.
- 10) CONDUITS ENTERING PRIMARY BOXES SHALL BE AT A RIGHT ANGLE TO THE WINDOW OR WALL.
- 11) STUB CONDUITS AT RISER POLES IN QUADRANTS AS SHOWN. AT IDENTIFIED POLE LOCATIONS, THE TRENCHING AGENT IS TO EXCAVATE TO TRENCH DEPTH AND INSTALL A 30" DIAMETER CARDBOARD TUBE. THE RISER CONDUIT BEND IS TO BE PLACED OUTSIDE AND ADJACENT TO THE TUBE AT THE POLE QUADRANT INDICATED. BACKFILL AROUND AND RISER TUBE WITH CLEAN WATERS FILL.
- 12) LS2 STREET LIGHT CONDUIT GOING TO PG&E BOXES OR PEDESTALS NOT DESIGNATED AS P.O.S. (INCLUDING TRANSFORMERS) WILL NOT BE ACCEPTED OR CONNECTED.
- 13) ONLY ONE LS2 STREET LIGHT (P.O.S.) CONNECTION PER BOX OR PEDESTAL.

LAND RIGHTS AND EASEMENTS:

- 14) APPLICANT TO PROVIDE ADEQUATE P.U.E.'S AND/OR ROW'S FOR PG&E FACILITIES. ANY ADDITIONAL REQUIRED RIGHTS OF WAY ARE TO BE SURVEYED AND DOCUMENTED BY PG&E AT THE APPLICANT'S EXPENSE.

SAFETY AND WORKMANSHIP:

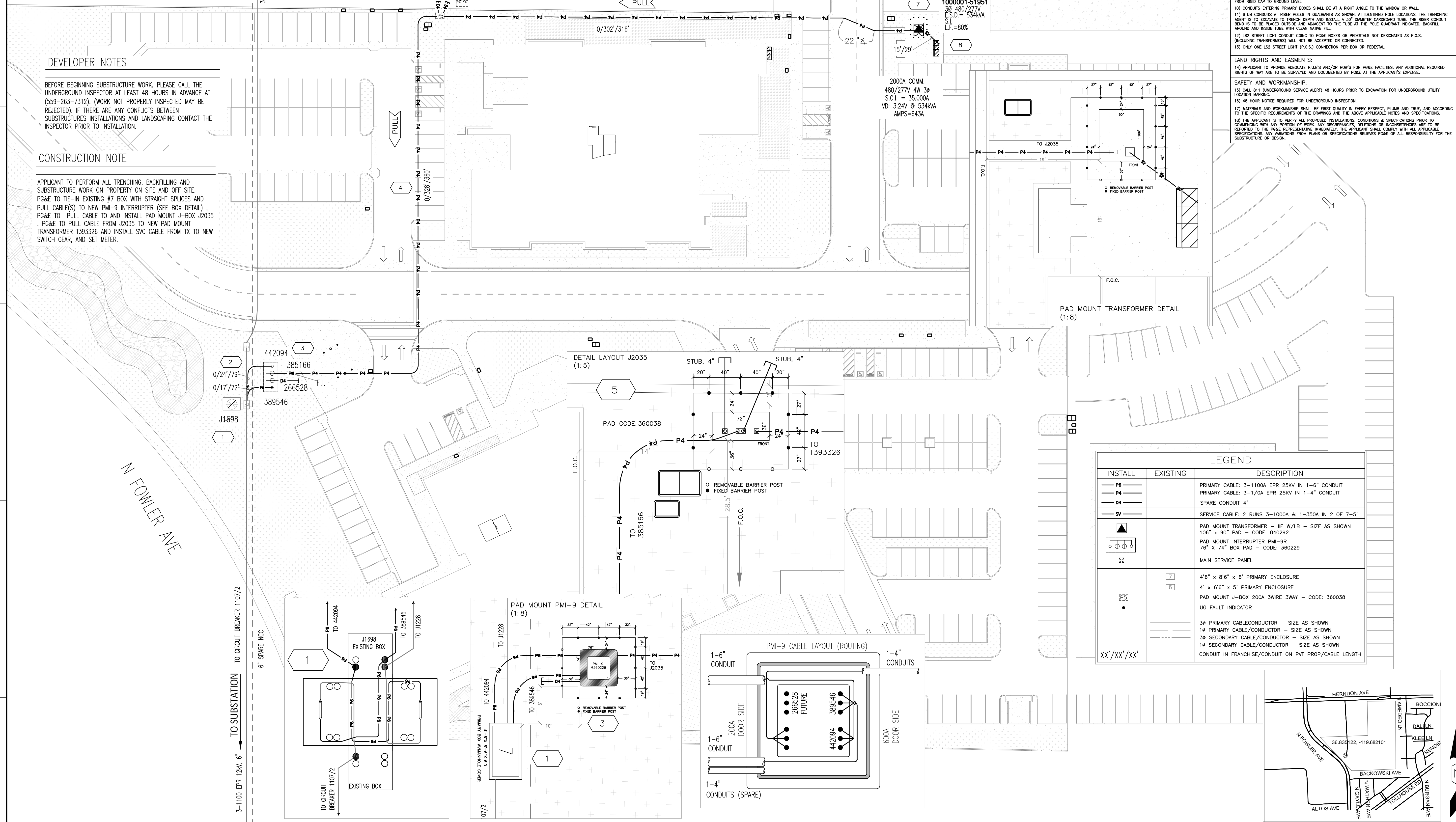
- 15) CALL 811 (UNDERGROUND SERVICE ALERT) 48 HOURS PRIOR TO EXCAVATION FOR UNDERGROUND UTILITY LOCATION MARKING.
- 16) 48 HOUR NOTICE REQUIRED FOR UNDERGROUND INSPECTION.
- 17) MATERIALS AND WORKMANSHIP SHALL BE FIRST QUALITY IN EVERY RESPECT, PLUMB AND TRUE, AND ACCORDING TO THE SPECIFIC REQUIREMENTS OF THE DRAWINGS AND THE ABOVE APPLICABLE NOTES AND SPECIFICATIONS.
- 18) THE APPLICANT IS TO VERIFY ALL PROPOSED INSTALLATIONS, CONDITIONS & SPECIFICATIONS PRIOR TO COMMENCING WITH ANY PORTION OF WORK. ANY DISCREPANCIES, DELETIONS OR INCONSISTENCIES ARE TO BE REPORTED TO THE PG&E REPRESENTATIVE IMMEDIATELY. THE APPLICANT SHALL COMPLY WITH ALL APPLICABLE SPECIFICATIONS. ANY VARIATIONS FROM PLANS OR SPECIFICATIONS RELIEVES PG&E OF ALL RESPONSIBILITY FOR THE SUBSTRUCTURE OR DESIGN.

DEVELOPER NOTES

BEFORE BEGINNING SUBSTRUCTURE WORK, PLEASE CALL THE UNDERGROUND INSPECTOR AT LEAST 48 HOURS IN ADVANCE AT (559-263-7312). (WORK NOT PROPERLY INSPECTED MAY BE REJECTED). IF THERE ARE ANY CONFLICTS BETWEEN SUBSTRUCTURES INSTALLATIONS AND LANDSCAPING CONTACT THE INSPECTOR PRIOR TO INSTALLATION.

CONSTRUCTION NOTE

APPLICANT TO PERFORM ALL TRENCHING, BACKFILLING AND SUBSTRUCTURE WORK ON PROPERTY ON SITE AND OFF SITE. PG&E TO TIE-IN EXISTING #7 BOX WITH STRAIGHT SPLICES AND PULL CABLE(S) TO NEW PMI-9 INTERRUPTER (SEE BOX DETAIL). PG&E TO PULL CABLE TO AND INSTALL PAD MOUNT J-BOX J2035. PG&E TO PULL CABLE FROM J2035 TO NEW PAD MOUNT TRANSFORMER T393326 AND INSTALL SVC CABLE FROM TX TO NEW SWITCH GEAR, AND SET METER.



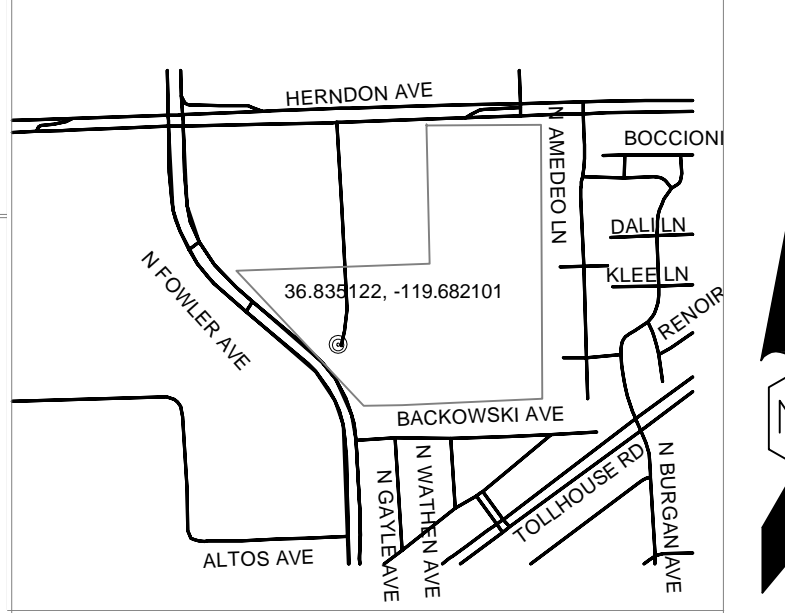
PAD MOUNT TRANSFORMER DETAIL (1:8)

DETAIL LAYOUT J2035 (1:5)

PAD MOUNT PMI-9 DETAIL (1:8)

PMI-9 CABLE LAYOUT (ROUTING)

INSTALL	EXISTING	DESCRIPTION
P4		PRIMARY CABLE: 3-1100A EPR 25KV IN 1-6" CONDUIT
P4		PRIMARY CABLE: 3-1/OA EPR 25KV IN 1-4" CONDUIT
D4		SPARE CONDUIT 4"
SV		SERVICE CABLE: 2 RUNS 3-1000A & 1-350A IN 2 OF 7-5"
▲		PAD MOUNT TRANSFORMER - 1IE W/LB - SIZE AS SHOWN 106" x 90" PAD - CODE: 040292
□		PAD MOUNT INTERRUPTER PMI-9R 76" X 74" BOX PAD - CODE: 360229
□		MAIN SERVICE PANEL
□		4'6" x 8'6" x 6' PRIMARY ENCLOSURE
□		4' x 6'6" x 5' PRIMARY ENCLOSURE
□		PAD MOUNT J-BOX 200A 3WIRE 3WAY - CODE: 360038
●		UG FAULT INDICATOR
		3# PRIMARY CABLE/CONDUCTOR - SIZE AS SHOWN
		1# PRIMARY CABLE/CONDUCTOR - SIZE AS SHOWN
		3# SECONDARY CABLE/CONDUCTOR - SIZE AS SHOWN
		1# SECONDARY CABLE/CONDUCTOR - SIZE AS SHOWN
		CONDUIT IN FRANCHISE/CONDUIT ON PVT PROP/CABLE LENGTH



EST: CHRIS SLUDER 559-573-4373
 SUPV: MICHAEL STEWART 559-207-4837
 REP: J.B. ROTH 5592460169
 PLAN: VICTOR LOPEZ 559-263-7350
 JPMF
 NO. DATE: 12/7/1999
 SCALE: 1"=20'
 DATE: 5/16/2023
 SHEET: 1 OF 1 REV: 0

ENGINEERING AND PLANNING DEPT.
 8 E RIVER PARK PLACE E
 FRESNO, CA 93720

NO ENVIRONMENTAL ISSUES

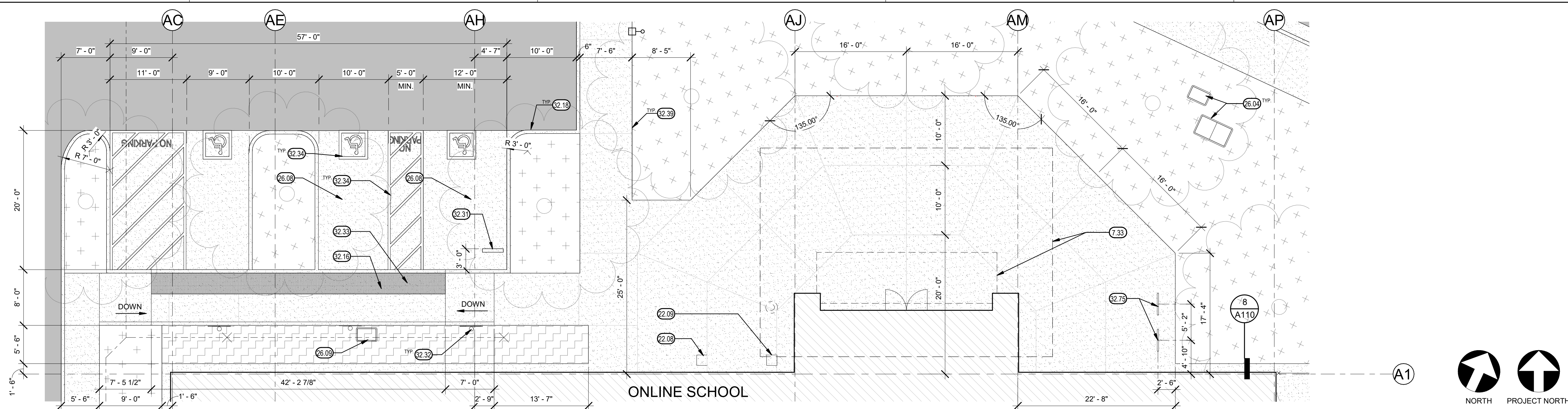
811 Know what's below. Call before you dig.

PRIMARY VOLTAGE: 12 KV VOLTAGE AREA: 1
 LATITUDE: 36.835325 LONGITUDE: -119.682283
 SOURCE SIDE DEVICE: SB 1107/2
 SUB & CIRCUIT: CLOVIS 1107
 DSSN SAG: RPTOR ZONE: YES
 LOADING AREA: LIGHT ARRESTER DIST: B
 CORROSION AREA: NON INSULATION DIST: B
 EXEMPT EQUIP. INST.: N/A FIRE AREA: LRA-TIER 1

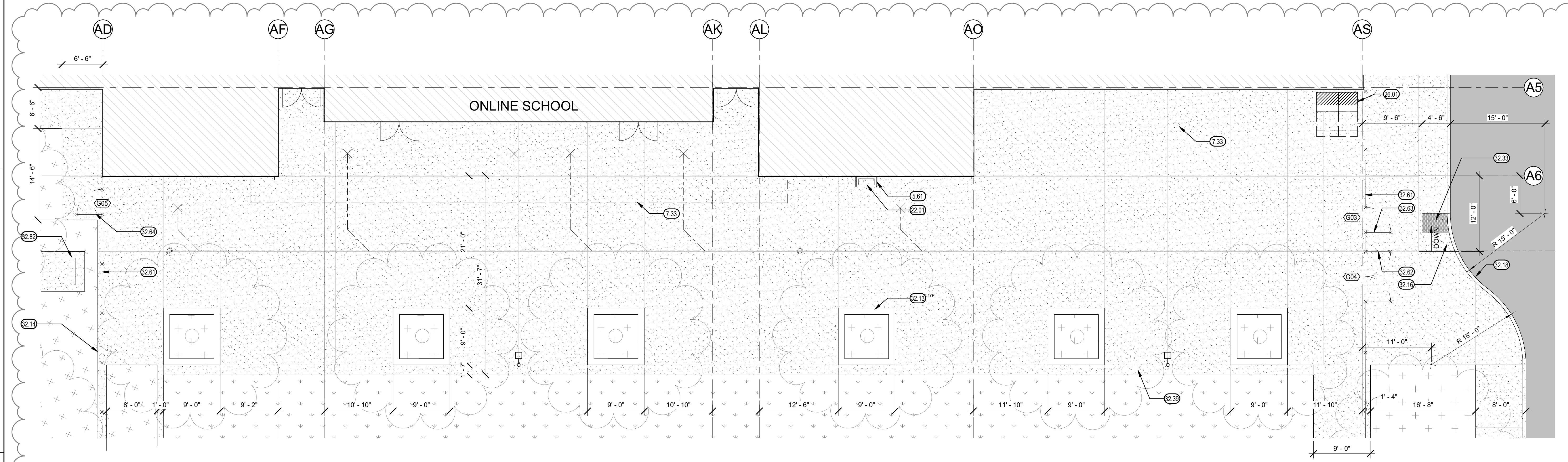
REVISIONS

CONSTRUCTION SKETCH
 1 FOWLER ST
 CLOVIS

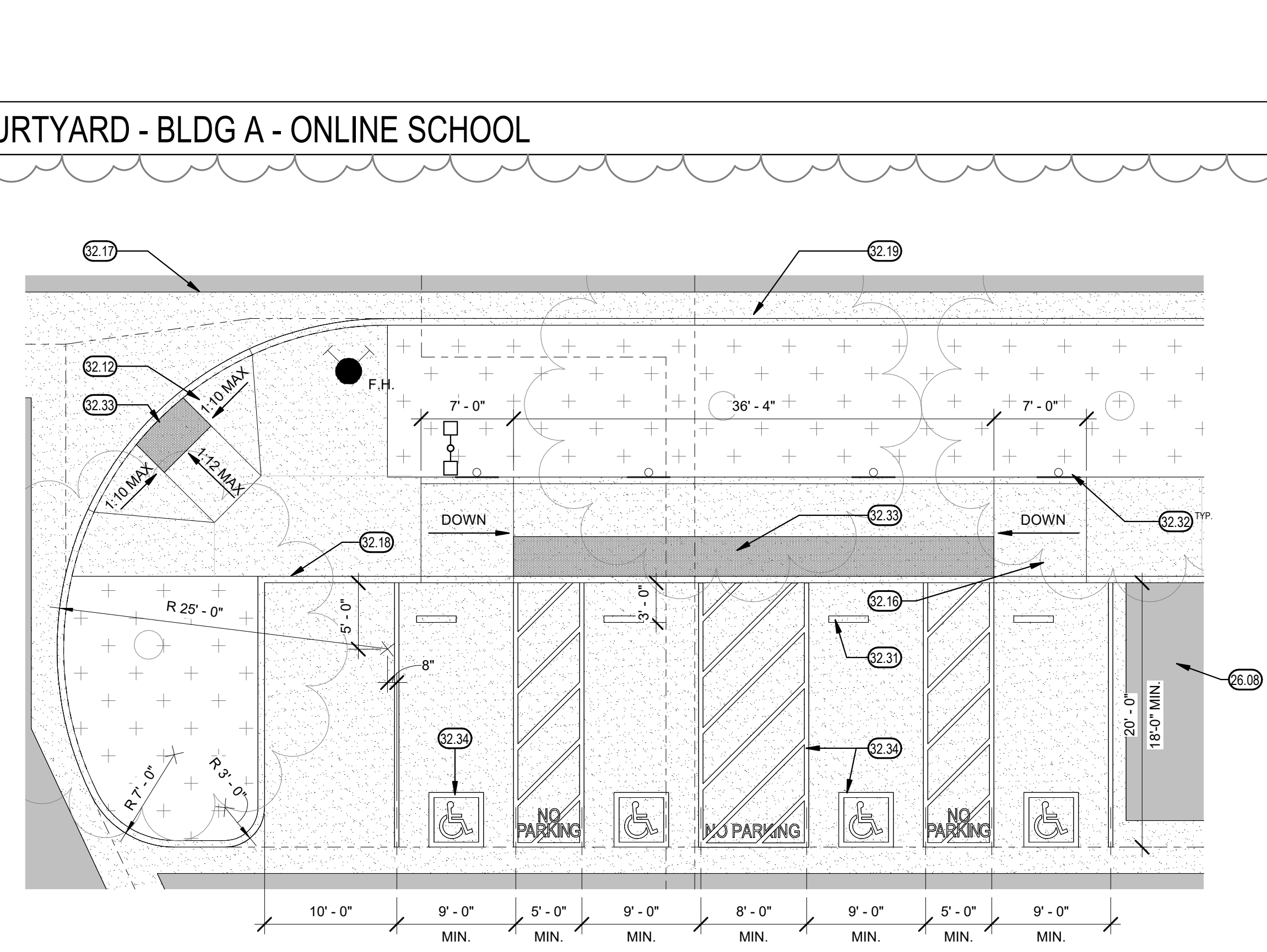
PACIFIC GAS & ELECTRIC COMPANY



ENLARGED SITE PLAN - NORTH ENTRANCE - BLDG A - ONLINE SCHOOL
1/8" = 1'-0" 7



ENLARGED SITE PLAN - SOUTH COURTYARD - BLDG A - ONLINE SCHOOL
1/8" = 1'-0" 9



ENLARGED ACCESSIBLE PARKING PLAN - PARKING D
1/8" = 1'-0" 10

KEYNOTES (0.0)

5.61	GUARDRAIL, SEE DETAIL 25 / A800
7.33	ROOF OUTLINE, TYP. SEE ROOF PLAN
22.01	HIGH-LOW DRINKING FOUNTAIN, SEE PLUMBING, AND DETAIL 24 / A800
22.06	GAS SOV IN BOX, SEE PLUMBING
22.09	COLD WATER SOV IN BOX, SEE PLUMBING
26.01	SWITCHBOARD, SEE ELECTRICAL
26.04	VAULT, SEE ELECTRICAL
26.06	FUTURE EV CHARGING SPACE, SEE ELECTRICAL
26.09	ELECTRICAL PULL BOX FOR FUTURE EV CHARGING EQUIPMENT, SEE ELECTRICAL
32.12	FAN TYPE CURB RAMP, SEE CIVIL
32.13	CONCRETE SEATING WALL, SEE CIVIL
32.14	CONCRETE MOWSTRIP, SEE CIVIL
32.16	TYPICAL PARALLEL CURB RAMP, SEE CIVIL
32.17	V-GUTTER, SEE CIVIL
32.18	CONCRETE CURB, SEE CIVIL
32.19	CONCRETE GUTTER, SEE CIVIL
32.31	CONCRETE WHEEL STOP, SEE CIVIL
32.32	ACCESSIBLE PARKING STALL SIGNAGE, SEE CIVIL
32.33	DETECTABLE WARNING SURFACE, SEE CIVIL
32.34	ACCESSIBLE PARKING STALL MARKING, SEE CIVIL
32.39	CONCRETE WALK, SEE CIVIL
32.61	DECORATIVE METAL FENCING, 6'-0" HIGH, SEE DETAIL 1 / A111
32.62	DECORATIVE METAL PAIR OF SWING SERVICE GATES, SEE DETAIL 12 / A111
32.63	DECORATIVE METAL PEDESTRIAN GATE, ACCESSIBLE, SEE DETAIL 15 / A111
32.64	DECORATIVE METAL SERVICE GATE, 4'-0" CLEAR WIDTH, SEE DETAIL 11 / A111
32.75	STUDENT BICYCLE RACKS, SEE 12 / A110
32.82	BOOSTER PUMP, SEE LANDSCAPE

LEGEND

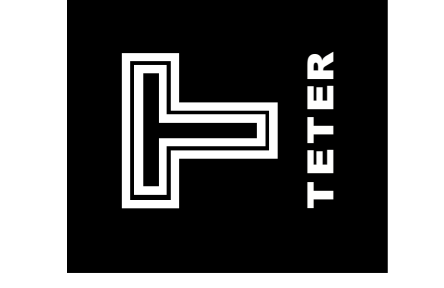
[Symbol]	FUTURE BUILDING NOT INCLUDED IN SCOPE OF WORK
[Symbol]	PROPOSED BUILDINGS IN THIS APPLICATION
[Symbol]	FIRE ACCESS LANE W/ UNOBSTRUCTED WIDTH OF 20'-0" MIN. AND AN UNOBSTRUCTED VERTICAL CLEARANCE OF 13'-0" MIN.
[Symbol]	ASPHALT PAVING 150,016 SF - SEE CIVIL
[Symbol]	LOW WATER USE PLANTER AREAS 78,075 SF. SEE LANDSCAPE
[Symbol]	MODERATE WATER USE PLANTER AREAS 5,086 SF. SEE LANDSCAPE
[Symbol]	MODERATE WATER USE - 100% BERMUDA GRASS SOD 12,683 SF. SEE LANDSCAPE
[Symbol]	RETENTION BASIN PLANTED AREAS - LOW WATER USE 1,681 SF. SEE LANDSCAPE
[Symbol]	RETENTION BASIN COBBLE MULCH AREA 2,711 SF. SEE LANDSCAPE
[Symbol]	CONCRETE PAVING 49,082 SF. SEE CIVIL FOR CONCRETE FINISH
[Symbol]	ACCESSIBLE WOMEN'S/MEN'S/GENDER NEUTRAL RESTROOMS
[Symbol]	ACCESSIBLE DRINKING FOUNTAIN/BOTTLE FILLER
[Symbol]	LANDSCAPE AREA, SEE LANDSCAPE.
[Symbol]	LIGHT POLE, SEE ELECTRICAL.
[Symbol]	PATHWAY LIGHT BOLLARD, SEE ELECTRICAL.
[Symbol]	FIRE HYDRANT, SEE CIVIL.
[Symbol]	FIRE DEPARTMENT CONNECTION, SEE CIVIL.
[Symbol]	POST INDICATOR VALVE, SEE CIVIL.
[Symbol]	EASEMENT
[Symbol]	ASSUMED PROPERTY LINE
[Symbol]	PROPERTY LINE
[Symbol]	DECORATIVE METAL GATE, SEE 16A/111 FOR SCHEDULE

- ### GENERAL NOTES
- THE CONTRACTOR SHALL ACCEPT THE SITE IN ITS PRESENT CONDITION & DEMOLISH AND/OR REMOVE FROM THE AREA OF THE PROJECT ALL STRUCTURES, BOTH SURFACE & SUBSURFACE, TREES, BRUSH, ROOTS, DEBRIS, ORGANIC MATTER, & ALL OTHER MATTER DETERMINED BY THE INSPECTOR TO BE DELETERIOUS. SUCH MATERIAL SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR.
 - EXCAVATIONS SHALL BE ADEQUATELY SHORED, BRACED & SHEETED SO THAT THE EARTH WILL NOT SLIDE OR SETTLE & SO THAT ALL EXISTING IMPROVEMENTS OF ANY KIND WILL BE FULLY PROTECTED FROM DAMAGE. WHERE THE EXCAVATION FOR A CONDUIT TRENCH, AND/OR STRUCTURE IS FIVE FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL PROVIDE ADEQUATE SHEETING, WHICH SHALL CONFORM TO THE APPLICABLE CONSTRUCTION SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL ALWAYS COMPLY WITH OSHA REQUIREMENTS.
 - FINISH GRADE SHALL HAVE A 1.5% SLOPE AWAY FROM THE BLDG. FOR A DISTANCE NOT LESS THAN 5'-0" FROM THE BLDG.
 - EXISTING UNDERGROUND UTILITIES & IMPROVEMENTS ARE SHOWN IN THEIR APPROX. LOCATIONS BASED UPON RECORD INFO. AVAILABLE TO THE ARCHITECT AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD & NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFO. SHOWN. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES AT LEAST 2 WORKING DAYS IN ADVANCE OF CONSTRUCTION TO FIELD LOCATE UTILITIES. CALL UNDERGROUND SERVICE ALERT (U.S.A.), 1-800-642-2444.
 - ALL SITE CONC. CURBS, GUTTERS, DRIVE APPROACHES, & WALKS SHALL BE CLASS "B" CONC. (5 SACK MIX) WITH A MAX. SLUMP OF 5" & A 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI.
 - PROPERTY DIMENSIONS AS SHOWN ARE BASED ON RECORD INFO. & SHOULD BE FIELD VERIFIED BY A PROPERTY SURVEY PRIOR TO CONSTRUCTION.
 - EXTERIOR CONC. LANDINGS AT DOORS SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN DOORWAY THRESHOLD WITH 1/4 INCH PER FOOT SLOPE MAX.
 - SEE CIVIL FOR A.C. & CONC. PAVING SECTIONS, AND CURB DETAILS. FOR ALL OFF-SITE IMPROVEMENTS (E. SIDEWALK ALONG FOWLER AVENUE) REFER TO CIVIL AND CITY OF CLOVIS STANDARD DETAILS.
 - REFER TO CIVIL LANDSCAPE, PLUMBING & ELECTRICAL FOR UTILITY INFORMATION. CONTRACTOR TO COORDINATE ALL TRADES TO MAINTAIN PROPER CLEARANCES & AVOID CONFLICTS.

Date	1	Revision	1
MARK	DATE	DESCRIPTION	DSA BACKCHECK
	7/17/23		



TETER, INC.
PESMO HEADQUARTERS
VISALIA | BAKERSFIELD | MADERA | SAN LUIS OBISPO
ARCHITECTS ENGINEERS CONNECTED



ONLINE SCHOOL & SPECIAL EDUCATION
ADMINISTRATION DISTRICT OFFICE EXPANSION
CLOVIS UNIFIED SCHOOL DISTRICT
CLOVIS, CA
DRAWING TITLE
ENLARGED PARTIAL SITE PLANS

PROJECT NO.
12242.00
DRAWING
A102

