

Palo Verde Community College
New Child Development Center Project

BID NO. 2023-01

ADDENDUM NO. 1

January 27, 2023

The following information is hereby made a part of the Palo Verde Community College New Child Development Center Project, Bid No. 2023-01 and so included as Addendum No. 1.

NOTICE TO BIDDERS

It is intended that all work affected by the following provisions shall conform to the original plans and specifications. Acknowledge receipt of this Addendum in the space provided on the Bid Form and Proposal. Failure to do so may subject the bidder to disqualification.

Oakview RFI 1 Question: All plan sheets in the file are formatted as 8.5"x11" sheets. Contractor is requesting reformatting sheets to full size plan sheets to print for more accurate estimating.

RFI 1 Response: Sillman sent email 1/19/23 with a Hightail Link to access the addenda Documents. Documents sent through Hightail Link are able to be printed at full scale until 1/26/23.

Prowest RFI 1 Question: The instruction to bidders references to see article 13 of the general conditions for insurance requirements, however the requirements are in article 11 but do not provide the insurance limit requirements nor can I find elsewhere in the documents. Please advise General Liability for ea. Occurrence/Aggregate and Builders risk/Course of construction plus deductibles. Also advise if earthquake/flood should be included.

RFI 1 Reponse: Palo Verde College- has elected to implement an Owner Controlled Insurance Program (OCIP). The District will provide certain insurance coverages to all elible enrolled contractors which includes general liability, worker's compensation, contractor's pollution liability and builder's risk. Please see attachments for much more detailed response and information.

Prowest RFI 2 Question: The following Specifications appear to be missing, please advise if they will be issued prior to bid.

03 CIP Concreate/Reinforcing

04 Masonry

05 Structural Steel/ Misc. Metals

07 Flashing and Sheet meal (Panels at Entrance Canopy)

10 Specialties (Contractor Furnished not by Modular Co.)

11 Food Service Equipment

RFI 2 Reponse: SILLMAN: Documents attached

1. Please see Spec Section: 03 30 00 CIP Concrete starting on page 2 of this document. Please see Spec Section 03 20 00 Concrete Reinforcement starting on page 17 of this document.
2. Please see Spec. Section 04-28-23 Masonry on page 20 of this document.
3. Please see Spec Section 05 40 00 Cold Formed Metal Framing on S-0.10 of the Construction Set Drawings. Please see Spec Section 05 10 00 Structural Steel on S-0.10 of the Construction Set Drawings.
4. Please see Spec Section: 07 42 13.23 Metal Composite Material Wall Panels starting on page 21 of this document.
5. For the specialties please use the following: TOILET SEAT COVER DISPENSER: BOBRICK B-221, OR APPROVED EQUAL. MIN CAPACITY: 500 SEAT COVERS, FINISH: STAINLESS STEEL, NO. 4 FINISH (SATIN), LOCKSET: TUMBLER TYPE. Let us know if there are any other specialties items to be added.
6. Please see Spec Section: 11 40 00 Food Service Equipment starting on page 30 of this document.

Prowest RFI 003: Can a Geotechnical Report be provided for the project?

RFI 3 Response: Sillman- Geotechnical Report should be part of the bid-package provided by the College. There should be two documents:

1. Geotechnical Report V1
2. Geo Report Addendum

Palo Verde College- Report is included in the bid package.

Prowest RFI 004: Public Contracting Code only requires Subcontractor Name, Location, License and DIR to be submitted but you are requesting cost as well. Cost is not normally something requested to be listed nor is it a requirement per the code. Is the pricing request to verify the listing of a sub? Pricing is in flux until the very end of the bidding period.

RFI 4 Response: Palo Verde College- Per Public Contracting Code, cost for the subcontractors is not required to be listed on the bid proposal. Listing of cost for the subcontractor on the bid proposal is optional.

Precise Builders- multiple questions RFI 005:

1. I do not see cabinets noted on the responsibility matrix, but I see them shown on plan sheet A814. Is the modular building supplier furnishing and installing cabinets?

2.The material matrix calls for Security Equipment and Educational Equipment to be installed by prime contractor. Can you give us a list of these items.

3.Appliances are checked on the responsibility matrix as both prime contractor and owner. Please clarify who is responsible for what.

4.Please confirm if there is an EMS system or not on the project. It is mentioned on the responsibility matrix.

5.The material matrix calls for a lot of low voltage items to be provided by prime contractor. Please provide a list of exactly what low voltage items are included on this project by the prime contractor. Does the College have a vendor they normally use?

6.Fire extinguishers are shown on sheet A200. Is the modular building supplier furnishing and installing these?

RFI 5 Reponse:

1. All casework will be part of the modular company. Details shown on sheet A814 are for showing accessibility only.
2. Please see sheet SLV1.0 for security camera locations and sheet EO.1- section: Information Technology for additional information on the security cameras. The only educational equipment listed for the prime contractor to install at this time are Smart TV's. There will potentially be 7 total throughout the building; with 4 in the classrooms (1 in each classroom), one in the reception, one in the principal's office and one in the Multi-Purpose Room. Please see AMS's electrical drawings; sheets E1.0A through E1.0D for electrical and data locations.
3. Please reference the Equipment Schedule on sheet FS-201. Kitchen equipment shown in table will be provided by WEBB but installed by the GC. The note shown on the responsibility matrix is a general note that was provided by the modular company.
4. There is currently no EMS system designed for this project.
5. Low voltage items included are the security cameras, Smart TV's, Wireless access points (WAP's) and MDF/IDF cabinets. Please see page 2 of this document for a cutsheet of the WAP's (see attached). Please see sheet SLV1.0 for security camera locations and sheet EO.1- sections: Information Technology for additional information on the security cameras. Please see AMS's electrical drawings; sheets E1.0A through E1.0D for electrical and data locations. The MDF/IDF cabinets will have an allowance and must have the cutsheets pre-approved before purchase. Yes, the college typically uses Johnsons Electric for any small electrical repairs or smaller new installations. They are a local electrician in Blythe.
6. All fire extinguishers shown on the modular sheets will be installed by them. There are no fire extinguishers mounted on the exterior of the building, nor any mounted throughout the site.

OAKVIEW CONSTRUCTORS, INC

REQUEST FOR INFORMATION

Reply Required By:
ASAP

SUBJECT: Plan Sheet Sizing

RFI - RFBI-01 DATE : 1/13/23

TO : Crystal Tautala PROJECT NO : 2023-01
Palo Verde College

PROJECT NAME : New Child Development Center

DRAWING REFERENCE: All Addenda Plan Sheets

FROM : Oakview Constructors, Inc DETAIL REFERENCE:

Phone: (909) 795-0990 SPECIFICATION SECTION:

Fax: (909) 795-3150

REQUEST: All plan sheets in the addenda file are formatted as 8.5"x11" sheets.

Contractor is requesting reformatting the sheets to full size plan sheets to print for more accurate estimating.

Thank you.

RFI By: Oakview Constructors, Inc.

RESPONSE:

SILLMAN: See email sent 1.19.23 with a Hightail Link to access the addenda documents.
Documents sent through Hightail Link are able to be printed at full scale.

Reviewed By: _____

Date: _____

Cc: _____

Crystal Tautala

From: Connor Smith <csmith@sillmanarch.com>
Sent: Thursday, January 19, 2023 9:10 AM
To: bid@Prowestconstructors.com; DJmillerInc2@yahoo.com; Pete Everett; Twinaw@precisebuildersinc.com; tammyoakviewci@gmail.com; luke@slapaving.com
Cc: Crystal Tautala; Mario Hale; eric.roys@usa-shade.com; Victor Garcia; Rob Holt
Subject: PVC CDC Blythe_ Drawings for printing Full Scale

Importance: High

Good Morning Everyone,

Please see Hightail Link below for the DSA Approved Drawings that can be printed full scale.

Please note that the Hightail Link will expire **Thursday Jan 26th**. After that date, the link will no longer work; so please **download before then**.

Hightail Link:

- <https://spaces.hightail.com/receive/64yHO1fzxI>

Regards,

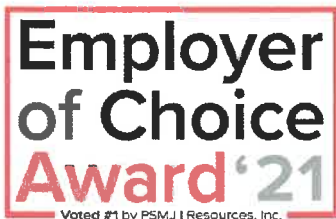
Connor Smith | DESIGNER II

SILLMAN

csmith@sillmanarch.com

D: 949.680.5026

MISSION VALLEY | TEMECULA | WWW.SILLMANARCH.COM



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REQUEST FOR INFORMATION

Project Name: Palo Verde CCD- New Child Development Center **RFI #:** PBRFI 001
To: Crystal.tautala@paloverde.edu **Date:** 1-9-2023
Subject: Insurance Requirement Limits
From: Jerry Jensen jjensen@prowestconstructors.com 951-678-1038 x237
Drawing #: _____ **Detail Ref:** _____ **Spec Section:** Article 11 GC's

QUESTION:

The instruction to bidders references to see article 13 of the general conditions for insurance requirements, however the requirements are in article 11 but do not provide the insurance limit requirements nor can i find else ware in the documents.
Please advise General Liability for ea. Occurrence / Aggregate and Builders risk/ Course of construction plus deductibles. also advise if earthquake /flood should be included.

CONTRACTOR'S PROPOSED SOLUTION:

*Palo verde College has elected to implement
Owner Controlled Insurance Program (OCIP)*

Additional pages attached: Yes No

Number of additional pages attached: _

RESPONSE TO RFI QUESTION:

Response By (Firm Name):

Palo verde college

Signed:
[Signature]

Date of RFI Response: 1.27.23

Crystal Tautala

From: Stephanie Slagan
Sent: Thursday, January 19, 2023 2:10 PM
To: Crystal Tautala
Subject: FW: OCIP
Attachments: OCIP Insurance Notice to Bidders.docx; 2021-2023 SEWUP Contractual Provisions Phase IX (v 09.2022).docx; SEWUP Project Insurance Manual Ph IX (v 09.2022).pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Crystal,

Please add to the Addendum for the OCIP. Please see Below.

Stephanie M. Slagan, MPA
Assistant Superintendent/ Vice President of
Administrative Services and College Advancement
PVC Foundation Treasurer
P| 760.921.5524 / F| 760.922.0230
E| Stephanie.Slagan@paloverde.edu
One College Drive, Blythe, CA 92225



From: Dulce Castaneda <dcastaneda@Keenan.com>
Sent: Thursday, January 19, 2023 2:07 PM
To: Stephanie Slagan <stephanie.slagan@paloverde.edu>
Cc: Brent Chavez <bchavez1@keenan.com>
Subject: FW: OCIP

Hello Stephanie,

Thank you for your time earlier today. Please find attached the following documents:

- OCIP Insurance Notice to Bidders (1st attachment): Please use this document to inform bidders the District has implemented an Owner Controlled Insurance Program (OCIP).
- Contractual Provisions and Project Insurance Manual (2nd and 3rd attachment): Please include these two attachments as an addendum as this outlines the OCIP coverages and contractor requirements.

As discussed, bidder and its subcontractors of all tiers are required to remove all cost of insurance provided by the OCIP from their bid and from any change orders throughout the project. No OCIP documentation is required to be submitted at the time of bid.

Please advise once the District schedules a Pre-Construction/Kick-off Meeting so that Keenan can attend. Please advise of any questions or concerns.

Thank you so much.

Dulce Castaneda, CRIS
Sr. OCIP Administrator
CA License No. 0F41429
Construction Services – SEWUP



Keenan & Associates
CA License No. 0451271
p: 310-212-0363 ext. 2007
e: dcastaneda@keenan.com | w: www.keenan.com | w: www.sewup.org
2355 Crenshaw Blvd., Ste. 200 | Torrance, CA 90501

From: Stephanie Slagan <stephanie.slagan@paloverde.edu>

Sent: Thursday, January 19, 2023 9:08 AM

To: Brent Chavez <bchavez1@keenan.com>

Subject: OCIP

Brent,

We are going to go with the OCIP for the PVC Child Development Center. We already have the Modulars being constructed off-site and we are currently bidding our the site work, which will close on February 3 and taken to our board on February 15. Do I just use estimates on the form. The project is approximately \$7.5 million with the modulars and sitework.

Thanks,

Stephanie M. Slagan, MPA
Assistant Superintendent/ Vice President of
Administrative Services and College Advancement
PVC Foundation Treasurer
P| 760.921.5524 / F| 760.922.0230
E| Stephanie.Slagan@paloverde.edu
One College Drive, Blythe, CA 92225



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PALO VERDE COMMUNITY COLLEGE DISTRICT
INSURANCE NOTICE TO BIDDER AND ITS SUBCONTRACTORS OF ALL TIERS

Owner Controlled Insurance Program

Palo Verde CCD has elected to implement an Owner Controlled Insurance Program ("OCIP"). The District will provide certain insurance coverages to all eligible enrolled contractors. The OCIP coverage includes general liability, worker's compensation, contractor's pollution liability and builder's risk. Keenan & Associates, hereinafter called "Program Administrator", shall administer the OCIP on behalf of the District. *All contractors/subcontractors are required to participate and enroll in the OCIP unless they are deemed Ineligible, per the definition below.

Ineligible sub/contractors: includes but is not limited to, consultants; suppliers who do not perform or do not subcontract installation; demolition that includes abatement and hazardous materials removal; vendors; materials dealers; surveyors; guard services; non-construction janitorial services; and truckers, including trucking to the Project where delivery is the only scope of work performed

Bid Qualification

Pursuant to Government Code Section 4420.5, the Bidder must meet certain minimum standards for bids to be deemed responsive:

Bidder's Qualification:

1. Workers' compensation experience modification rate (EMR) of 1.25 averaged over the last five (5) years OR the current published year.
2. Zero (0) Serious and Willful violations (Labor Code Section 6300) against Bidder in the past five (5) years

FAILURE TO MEET THESE MINIMUM STANDARDS SHALL DISQUALIFY THE BIDDER.

BID REQUIREMENT

The bidder and its subcontractors of all tiers shall not be charged any insurance premiums for the OCIP however, in consideration for the District providing the insurance; the District requires that each bidder and its subcontractors of all tiers remove all cost of insurance provided by the OCIP from their bid and from any change orders throughout the project (labor rates shall not include any insurance costs related to OCIP). If you do not remove your cost of insurance you may not be the lowest responsible bidder.

Keenan is available to assist any (sub) Contractor with how to identify their insurance cost, if needed. All contractors and subcontractors of all tiers are responsible for reporting and mitigating their respective claims and deductibles.

OCIP Safety Program (Summary)

The Program Administrator shall conduct periodic loss control surveys on behalf of the owner to supplement the safety and loss prevention activity of each contractor and subcontractor, regardless of insurance status. These surveys will be distributed to the General Contractor, District and all applicable insurance parties. They will focus on evaluating the contractors' efforts to minimize loss, assist in identifying loss exposures, and to recommend appropriate corrective measures.

All contractor and subcontractors of all tiers shall comply with all CAL OSHA requirements including, a Mandatory 6' Fall Protection rule has been applied and will be strictly adhered to by all contractor and subcontractors.

NO OCIP DOCUMENTATION IS REQUIRED TO BE SUBMITTED AT TIME OF BID.

General OCIP Questions can be directed through the RFI process

This document is merely an overview of the OCIP requirements. The General Conditions and OCIP Policies shall govern the OCIP requirements and coverages for all contractor and subcontractor of all tiers.

Exhibit

OWNER CONTROLLED INSURANCE PROGRAM (OCIP)

1.1 INTRODUCTION

The District, hereinafter called the “Owner” has elected, at its sole discretion, to implement an Owner Controlled Insurance Program (“OCIP”) under the Statewide Educational Wrap Up Program (“SEWUP”). The SEWUP Joint Powers Authority (“JPA”) will be providing the OCIP on behalf of the Owner. All terms and conditions of the SEWUP Contractual Provisions will apply during the term of the contract.

The OCIP will be primary to other valid and collectable insurance for the owner and enrolled parties in the program. The SEWUP JPA will provide Workers’ Compensation, Employer’s Liability, General & Excess Liability, and Contractor’s Pollution Liability for all Enrolled Contractors (and their Enrolled Subcontractors of every tier) and other designated parties for work performed at the Project Site (hereinafter called “Project”) as well as builder’s risk insurance. The Owner agrees to pay all premiums associated with the OCIP, unless otherwise stated in this section and in other contract documents.

Insurance coverage provided under the OCIP is limited in scope and specific to Work performed after the inception date of enrollment into the OCIP. Labor and ongoing operations related to offsite locations are not covered by the OCIP. In addition to any insurance provided by the Owner, all Contractors/Subcontractors will be responsible for providing certain insurance as specified in section 1.7. The Owner recommends that Contractors discuss the OCIP with their insurance agents, brokers or consultants to assure that other proper coverages are maintained, prior to contract acceptance.

Keenan & Associates, hereinafter called “Program Administrator”, shall administer the OCIP on behalf of the SEWUP JPA. At all times, all Contractors/Subcontractors, shall (a) cooperate with Owner, Program Administrator, and all OCIP insurers, as applicable, and their respective consultants, agents and representatives, in its or their administration of the OCIP and all other terms and conditions described herein and (b) comply with the terms, conditions, warranties, and subjectivities of the insurance policies provided pursuant to the OCIP, including, without limitation, any and all directives and requirements of Owner’s and the OCIP insurers’ respective consultants, agents and representatives, including, without limitation, any directive or requirement relating to loss control, and quality control, and the closure to Owner’s satisfaction of open items on any and all quality control checklists and inventories.

A. Participation in the OCIP

Participation in the OCIP is mandatory but not automatic. Each Eligible Contractor/Subcontractor must follow the guidelines, as specified in section 1.5.

Definitions:

Enrollment: An Eligible Contractor/Subcontractor is considered Enrolled once required documents are received, reviewed and processed by the OCIP Program Administrator to the insurer. (See Sections 1.7 and 1.8)

Contractor: Includes all vendors, suppliers, businesses, persons, or entities and entities which the Owner has engaged directly by contract to perform services relating to the Project.

Subcontractor: Includes all vendors’ suppliers, businesses, and other persons or entities that have been engaged by a Contractor to perform, or assist with the performance of, services relating to the Project.

Eligible: Includes all Contractors/Subcontractors providing direct labor on the Project, and excludes Ineligible Contractors, as defined below. Temporary labor services and leasing companies are to be treated as Eligible Contractors.

Ineligible: It is not the intent to insure (but is not limited to): consultants; suppliers; abatement and/or removal of hazardous materials; vendors; materials dealers; surveyors; consultants; guard services; non-construction janitorial services; and truckers, including trucking to the Project

where delivery is the only scope of work performed; contractors subbing out installation who are not performing labor on the project site; and contractors performing landscape maintenance (though landscape work itself is covered). Ineligible parties are required to ensure that any eligible subcontractors who provide on-site labor comply with the OCIP Enrollment **Any questions regarding a Contractor's status as "Eligible" or "Ineligible" should be referred by written request to Owner and approved by the Program Administrator**

EACH CONTRACTOR/SUBCONTRACTOR MUST INCLUDE THIS DOCUMENT WITH THEIR BID SPECIFICATIONS TO ANY AND ALL SUBCONTRACTORS. Any contractor/subcontractor's failure to comply with the OCIP Administrator and all OCIP requirements shall be considered non-compliant under the contract.

Enrollment of each Contractor's eligible Subcontractors is mandatory. Contractor shall notify Owner and the Program Administrator in writing of the identity of each Subcontractor regardless of enrollment eligibility and shall cause each Subcontractor to notify the Program Administrator in writing of the identity of each of its Sub-subcontractors, prior to such parties' commencement of their portion of the Work and prior to their entry onto the Project. Contractors and Subcontractors of all tiers shall not be deemed enrolled until the Program Administrator and OCIP insurers receive and approve a completed Contract Enrollment Form, for each awarded contract. Enrollment is required prior to commencement of on-site activities but no contractor shall be enrolled sooner than 30 days prior to their start date. Each Contractor/Subcontractor shall be solely responsible for any and all losses, damages, claims, liabilities, and suits arising out of such Subcontractor's failure to enroll, or delay in enrolling, any of its Subcontractors.

Unless otherwise directed by the Owner, Ineligible Contractors and Subcontractors will be required to maintain their own insurance for both on-site and off-site activities and will be required to participate in the Project Safety Program (See Section 1.16). Minimum Insurance and endorsement requirements are located in Section 1.7 & 1.8. Each ineligible contractor must register with the OCIP online portal called Keenan Wrap. All required certificates and endorsements must be supplied via Keenan Wrap.

B. Project Site and Offsite Premises

Coverages provided by the OCIP are **Project Site** specific. The Project Site shall be designated by the Owner. The Project Site consists of any and all projects that are endorsed to this policy, which includes the:

1. Ways and means adjoining the endorsed project site.
2. Adjacent locations to the endorsed projects sites where incidental operations are being performed, excluding permanent locations.

With the exception of 1 and 2 mentioned above, off-site locations, labor and ongoing operations are not covered by the OCIP. It will be the responsibility of each Contractor/Subcontractor to maintain off-site insurance, as identified in Section 1.7, which specifies coverage types and minimum limits. Contractor/Subcontractor will promptly furnish to the Owner, or its designated representative, Certificates of Insurance evidencing that all required insurance is in force.

1.2 PREQUALIFICATION & COST IDENTIFICATION

A. Contractor Pre-Qualification

Pursuant to Government Code Section 4420.5, Bidders must meet certain minimum standards to bid on the Owners' Project. The following qualification standards apply to ALL Bidding Contractors at time of bid opening:

1. **Shall have an average Workers' Compensation Experience Modification Rate (EMR) of 1.25 or less over the last five (5) years OR the current published year.**

- a. We encourage the bidder to choose subcontractors who meet these requirements however this will not exclude eligible subcontractors from enrolling in the OCIP.*
2. **Have Zero (0) Serious and Willful violations (Labor Code Section 6300) against them in the past five (5) years**
3. **Provide evidence of an Injury and Illness Prevention Program (IIPP). Evidence is required to be submitted post bid opening and prior to bid award.**

FAILURE TO MEET THESE MINIMUM STANDARDS SHALL DISQUALIFY THE BIDDER.

B. Contractor Insurance Cost Identification

Contractor's base bid shall exclude all costs for insurance coverages provided under the OCIP. If insurance cost is not removed, the bidder may not qualify as the lowest responsive bidder. The Bidder declares under penalty of perjury under California law, that the base bid excludes any costs relating to any insurance coverages afforded under the OCIP and that each subcontractor to the Bidder has similarly excluded costs for any insurance coverage afforded under the OCIP.

C. Change Order Pricing

All Contractors/Subcontractors declare, under penalty of perjury under California law, that the change order is priced to exclude any costs relating to any insurance coverage afforded under the OCIP.

1.3 OWNER-PROVIDED INSURANCE COVERAGES

CONTRACTOR/SUBCONTRACTOR SHOULD REFER TO THE ACTUAL POLICIES FOR DETAILS CONCERNING COVERAGE, EXCLUSIONS, AND LIMITATIONS. IN THE EVENT OF ANY CLAIM OR QUESTION REGARDING COVERAGE PROVIDED BY THE OCIP, THE ORIGINAL POLICIES WILL PREVAIL AS THE SOLE BINDING AGREEMENT. OCIP POLICIES AND PROJECT INSURANCE MANUAL ARE AVAILABLE UPON WRITTEN REQUEST TO THE PROGRAM ADMINISTRATOR.

THE OCIP IS INTENDED TO PROVIDE BROAD COVERAGES AND HIGH LIMITS, TO ALL ENROLLED CONTRACTORS/SUBCONTRACTORS. THE OWNER DOES NOT WARRANT OR REPRESENT THAT THE OCIP COVERAGES CONSTITUTE AN INSURANCE PROGRAM THAT COMPLETELY ADDRESSES THE RISKS OF THE CONTRACTORS/SUBCONTRACTORS. PRIOR TO CONTRACT AWARD, IT IS THE RESPONSIBILITY OF ALL CONTRACTORS/SUBCONTRACTORS TO ENSURE THAT THE OCIP COVERAGES PROVIDED SUFFICIENTLY ADDRESS THEIR INSURANCE NEEDS. UPON REQUEST, OCIP POLICIES ARE AVAILABLE FOR REVIEW.

OCIP coverage applies only to Work performed under the contract at the Project (see Section 1.1, B for definition). All Contractors must provide their own insurance for Automobile Liability and off-site locations, labor, and operations.

Such policies or programs may be amended from time to time, and the terms of such policies or programs, as amended, are incorporated herein by reference.

The Contractors/Subcontractors enrolled in the OCIP agree that the OCIP policies' limits of liability, coverage terms and conditions shall determine the scope of coverage provided by the OCIP. As of October 1, 2019, 100% of the limits are available with a minimum of \$640 Million in construction values to be insured.

- A. Workers' Compensation and Employer's Liability Insurance, will be provided in accordance with applicable state laws, to all Enrolled Contractors/Subcontractors, each as named insured, and issued an individual policy) reflecting the following Limits of Liability:**

Workers' Compensation:

- California Statutory Benefits

Employer's Liability:

- \$1,000,000 Bodily Injury each Accident

- \$1,000,000 Bodily Injury by Disease – Policy Limit
- \$1,000,000 Bodily Injury by Disease – Each Employee

1. Deductible: None
2. Exclusions: The known exclusions for this coverage are set forth below:

Bodily Injury Outside US or Canada	Intentional or Aggravated Bodily Injury
Bodily Injury To Any Member of Flying Crew	Obligations Imposed By Disability Benefits or Any Similar Law
Bodily Injury To Person Subject To Federal Workers' Compensation	Obligations Imposed By Occupational Disease Laws
Bodily Injury To Person Subject To Occupational Disease Laws	Obligations Imposed By Unemployment Compensation Laws
Contractual Liability	Obligations Imposed By Workers' Compensation Laws
Employees Knowingly Employed Illegally	State or Federal Law Violation Fines, Penalties
Employment Related Practices	

This is a summary and may not be exhaustive. The policy language may contain additional exclusionary language, limitations or carve-backs that are not identified on the table. It is the responsibility of the Contractor/Subcontractor to review the policy for the complete details of all exclusions.

3. **Policy Term:** The master policy effective date is October 1, 2021. The policy term is three years, with one automatic two-year renewal. The policy is intended to remain in effect for duration of the contractor's contractual work. Warranty work and post contract repair work is excluded. Each Contractor/Subcontractor is insured under the policy for the length of its work at the Project.

B. General and Excess Liability Insurance is written on an "Occurrence" form under master liability policies. Certificates of Insurance will be provided to all enrolled Contractors/Subcontractors as named insured, with the total limits of liability reflecting the following:

- \$125,000,000 Bodily Injury and Property Damage Liability
- \$195,000,000 General Aggregate
- \$125,000,000 Products and Completed Operations
- 10 Years Completed Operations

1. Deductible: None
2. Conditional Warranties*:

- a. **Subsidence:** It is expressly warranted that the Named Insured and all Contractors and Sub-Contractors comply with all recommendations contained in the geotechnical/ environmental reports. Failure to comply will result in subsidence coverage being null and void and a full subsidence exclusion would be re-instated.
- b. **EIFS Installation Agreement:** The following terms and conditions shall be satisfied:
 - ii. All EIFS type of work will be monitored and video recorded to ensure product warranty remains intact and not invalidated through erroneous installation.
 - iii. Details of who is providing the EIFS warranty will be provided on a per project basis
 - iv. EIFS value is to be declared per project
 - v. EIFS purpose and use is to be declared per project

3. Exclusions: The known exclusions for this coverage are set forth below:

Aircraft, Auto or Watercraft	Nuclear
Asbestos	Personal and Advertising Bodily Injury
Certain Exclusions to Medical Payments Coverage	Pollution
Certain Exclusions to Personal and Advertising Injury Liability	Prior Continuous, or Progressively Deteriorating Injury or Damage
Certified Acts of Terrorism	Professional Liability
Contractual Liability (Limited Coverage Provided)	Recall of Products, Work Or Impaired Property
Employers Liability	Silica or Silica Mixed Dust
Employment Related Practices	Subsidence*
Expected or Intended Injury	Violation of Statutes Governing Collecting, Transmitting Information
Exterior Insulation and Finish Systems (EIFS) "Subject to Installation Requirements"	Violation of Statutes Governing Email, Fax, Phone Calls
Fungi Or Bacteria	War
Lead	Workers Compensation and Similar Laws
Mobile Equipment	

This is a summary and may not be exhaustive. The policy language may contain additional exclusionary language, limitations or carve-backs that are not identified on the table. It is the responsibility of the Contractor/Subcontractor to review the policy for the complete details of all exclusions.

4. Policy Term:

- a. The master policy effective date is October 1, 2021. The policy is intended to remain in effect for the length of the Project or through October 1, 2026 at 12:01am, whichever comes first.
- b. Ten years Products and Completed Operations coverage.

C. Contractor's Pollution Liability is written on an "Occurrence" form under a master liability policy. Certificates of Insurance will be provided to all enrolled Contractors/Subcontractors, as named insured, reflecting the following Limits of Liability:

- \$15,000,000 Per Occurrence / \$25,000,000 Policy Aggregate
- Defense cost are outside of limits up to \$1M.

1. \$10,000 Deductible per Occurrence

2. Contractor/Subcontractor shall be liable, at its expense; to the extent claims payable are attributable to their acts or omissions and/or the acts or omissions of its Subcontractors of any tier or any other entity or person for whom it may be responsible. The deductible will apply to each occurrence and must be satisfied prior to payment of the loss. The deductible amount shall not be reimbursed by the OCIP Insurance Program or the District.

3. Exclusions: The known exclusions for this coverage are set forth below:

Auto, Aircraft, Vessel Or Rolling Stock	Nuclear
Claims Between Certain Insureds	Other Entities
Contractual Liability	Pre-Existing Conditions
Damage To Property	Products
Fines, Penalties, and Treble Damages	War
Employment Related Practices	Workers Compensation and Similar Laws
Owned Hazardous Materials Facility	

This is a summary and may not be exhaustive. The policy language may contain additional exclusionary language, limitations or carve-backs that are not identified on the table. It is the responsibility of the Contractor/Subcontractor to review the policy for the complete details of all exclusions.

4. Policy Term: The master policy effective date is October 1, 2019. The policy is intended to remain in effect for the length of the Project or through October 1, 2026 at 12:01am, whichever comes first.

D. **Builder's Risk** coverage will be in place during the Course of Construction at the Project. Such insurance shall be written on a repair or replacement cost basis, subject to exclusions, sub limits, property limitations and conditions. Such insurance shall include the interests of the Owner as named insured and enrolled Contractors/Subcontractors as additional insured. The deductible schedule is as follows:

Deductibles

- \$10,000 - \$50,000 deductible (depending on type of structure) for Wood Frame, Masonry Non-Combustible or Joisted Masonry, and Fire Resistive / Non-Combustible.
- Up to \$100,000 deductible for Water Damage to All Construction Types

1. Contractor/Subcontractors shall be responsible for the applicable deductible. The deductible shall apply to each occurrence and must be satisfied prior to payment of the loss. The deductible shall not be reimbursed by the OCIP Insurance Program or the District.

2. Exclusions: The known exclusions for this coverage are set forth below:

Asbestos	Foreign Terrorism
Certain Offsite Property	Infidelity, Dishonesty, Fraudulent Activity of Insured
Certain Release, Discharge, Escape, or Dispersal of Contaminants	Land, Values of Land, Cut, & Fill etc. Prior to Project Commencement
Certified Acts of Terrorism (Optional Coverage)	Loss Under Any Manufacturer or Supplier Guarantee/Warranty
Cessation of Work	Normal Subsidence
Communicable Disease	Nuclear
Contractor's Tools, Machinery, Plans, Equipment	Offshore or Barrier Island Property
Cost of Making Good (Optional Coverage)	Property That Stores, Processes, or Handles Radioactive Materials
Damage to Existing Property (Optional Coverage)	Rolling Stock, Aircraft, Watercraft
Damage While Testing Prototype or Used Machinery/Equipment	Software Loss, unless results from an Open Peril
Damages, Fines, Penalties at Government Agency or Court Order	Vehicles or Equipment Licensed For Highway Use
Disappearance or When Revealed by Inventory Shortage Alone	War and Military Action
Earth Movement (Optional Coverage)	Standing Timber, Growing Crops, Animals
Electrical, Magnetic, or Errors Related to Electronic Records	
Financial Accounts, Instruments, Stamps, Deeds, Precious Material	
Flood (Optional Coverage) (rain and the accumulation of rain water added to Flood definition)	

This builder's risk coverage and exclusion summary may not be all inclusive. The policy language may contain additional exclusionary language, limitations or carve-backs that are not identified on the table. It is the responsibility of the Contractor/Subcontractor to review the policy for the complete details of all exclusions, sublimit and deductibles.

Special Conditions: All wood frame only projects are subject to Protective Safeguards as shown in A

3. [EXHIBIT A](#).
4. **Policy Term:** The policy term is the term of the project.
5. *All Contractors'/ Subcontractors' shall be responsible for any loss or damage to their personal property. This would include, but is not limited to, tools, equipment, mobile construction equipment, or materials NOT intended to be a permanent part of the building, whether owned, borrowed, used, leased, or rented by any Contractor/ Subcontractor. Any insurance purchased by the Contractors/ Subcontractors, or self-insurance, shall be the Contractors'/ Subcontractors' sole source of recovery in the event of a loss.*

E. OCIP Policies Establish OCIP Coverage. The insurance coverages, limits of liability, definitions, terms, conditions, exclusions and limitations contemplated in these contractual provisions and the other contract documents are set forth in full in the OCIP insurance policies. The summary descriptions of such policies in these contractual provisions, in the Project Insurance Manual, or in any other contract document or elsewhere are not intended to be complete or to alter or amend any provisions of the actual OCIP policies. To the extent, if any, such descriptions herein or therein conflict with any such insurance policies, the provisions of the actual insurance policies shall govern. To the extent there are any other conflicts between or among the provisions of such insurance policies, these contractual provisions, the contract documents, or the Project Insurance Manual, then in descending order, the insurance policies shall govern, followed by these contractual provisions, the contract, the other contract documents, then the Project Insurance Manual. Contractor/Subcontractor acknowledges that it has had the opportunity to review the insurance policies as provided in Section 1.3, and that it is relying solely on the provisions set forth in the insurance policies, and not upon any oral or written statement or reference in these contractual provisions, any other contract document, the Project Insurance Manual, or otherwise.

1.4 OCIP CERTIFICATES AND POLICIES

All Enrolled Contractors/Subcontractors will receive Certificates of Insurance for Workers' Compensation, General Liability, Excess Liability and Contractor's Pollution Liability coverages. Each enrolled Contractor/Subcontractor will receive their own Workers' Compensation policy. Program Administrator will provide a copy of the OCIP policies upon written request. Such policies or programs may be amended from time to time and the terms of such policies or programs, as they may be amended, are incorporated herein by reference. Contractors/Subcontractors hereby agree to be bound by the terms of coverage, as contained in such insurance policies and/or self-insurance programs.

1.5 CONTRACTOR/SUBCONTRACTOR RESPONSIBILITIES

Participation in the OCIP is mandatory but not automatic. Contractor /Subcontractor must comply with the following:

A. Contractor Eligibility, see Section 1.1, **A** for definition.

B. Contractor Registration & Enrollment

The Program Administrator will provide online registration via Keenan Wrap, through its proprietary software referred to herein as "WrapPortal"; a User Name, Password and URL for website enrollment will be provided to each Subcontractor upon entry of Subcontractor identifying information into WrapPortal by Contractor or Parent Subcontractor regardless of enrollment eligibility.

An Eligible Contractor/subcontractor is not enrolled until the Program Administrator and OCIP insurers receive and approve a completed OCIP Enrollment via WrapPortal, for each awarded contract. subcontractor shall also upload declarations pages, including proof of rates from Subcontractor's current policies. Enrollment is required prior to commencement of on-site activities but no Subcontractor shall be enrolled sooner than 30 days prior to their start date. Subcontractors must provide the Required Insurance Coverages (see Sections 1.7 and 1.8) via WrapPortal.

Any Subcontractor who enrolls in the OCIP after their start date must provide a No- Known-Loss Letter to the Program Administrator, along with the enrollment documentation. Late Enrollment is not guaranteed and must be approved and accepted by the insurance carrier. Upon approval, the Program Administrator will provide evidence of OCIP coverage to the Subcontractor, as noted in Section 1.4

All Contractors/Subcontractors of all tiers shall cooperate with, and require their Subcontractors to cooperate with, the Owner and the Program Administrator, in regard to the administration and operation of the OCIP.

C. Contractor/Subcontractor Compliance with Other Forms and Procedures

All Enrolled Contractors/Subcontractors are required to complete and submit the following forms:

1. Project Site Monthly Payroll Report

Project Site Monthly Payroll must be submitted to the Program Administrator by the 10th of each month via WrapPortal until the completion of the contract and in no event shall be later than the 15th of each month. This report must summarize the unburdened payroll by Workers' Compensation Class Code. Certified payroll is not a requirement of the OCIP and cannot be accepted. **If the Project Site Monthly Payroll Report is not submitted by you or your subcontractor to the Program Administrator, the Contractor, Construction Manager and/or Owner may withhold payment until the report is received.** Subcontractor agrees to keep and maintain accurate and classified records of their payroll for operations at the Project Site. This payroll information is submitted to the OCIP insurer. At the end of each contract, a carrier audit may be performed using the reported payroll and other supporting documents, as required by the California Workers Compensation Insurance Rating Bureau (WCIRB).

Workers' Compensation Insurance Rating Bureau Requirements

Once an Eligible Contractor/Subcontractor is enrolled into the OCIP, a separate Workers' Compensation Policy will be issued to them. All Enrolled Contractors/Subcontractors shall comply with the rules and regulations of the California Workers Compensation Insurance Rating Bureau (WCIRB).

2. Contractor's Completion Notice

Contractor's Completion Notice must be submitted to the Program Administrator via WrapPortal upon completion of work at the Project, which includes punch list items, but not warranty work. Subcontractor shall cooperate with Contractor in completing the *Contractor's Completion Notice*. This form evidences all enrolled Subcontractors' actual start and completion dates, per each contract. This information is used to confirm that each Workers' Compensation Policy was issued with correct policy term dates, covering the Subcontractors for the duration of their work at the Project. This information is subsequently submitted to the Workers' Compensation Insurance Rating Bureau (WCIRB).

3. Project Insurance Manual

A Project Insurance Manual will be provided to all awarded Contractors/Subcontractors, which includes a Program Summary, Claims Reporting Instructions, Project Safety Guidelines, necessary forms, and contact information. Copies can be requested from the Program Administrator.

Contractor/Subcontractor Compliance with all aspects of the OCIP

All Contractors/Subcontractors further acknowledge and agree to comply fully and promptly with such safety, loss control, and quality control rules, requirements, and directives as may from time to time be promulgated by Owner, the Program Administrator and/or the OCIP insurers or any of its or their respective consultants, agents, or representatives. Neither the Contractor or Subcontractor of any tier shall impede or otherwise prevent Owner, their representatives or the Program Administrator or their respective consultants from entering or otherwise accessing the project or its related off-site locations. Nothing in this document or any other contract document or in the Project Insurance Manual, shall be deemed to render Owner or any of its affiliates of any tier an employer of Contractor/Subcontractor or any of its Subcontractors or any of its or their personnel or employees.

Failure to comply will be considered non-performance under the contract.

It is the obligation of each Eligible Contractor/Subcontractor to enroll in the OCIP and to comply with all OCIP requirements set forth in these contractual provisions, in the OCIP insurance policies, in the Project Insurance Manual, and elsewhere in the contract documents. Contractor/Subcontractor shall provide each of its Subcontractors, among other things, with a copy of the Project Insurance Manual and a copy of these contractual provisions. Contractor/Subcontractor shall require in writing that each enrolling Subcontractor comply with, among other things, the provisions of the OCIP insurance policies, the Project Insurance Manual, and the contract documents. All such requirements shall be included in all subcontracts and sub-subcontracts with eligible parties. The failure of Contractor/Subcontractor or any other party to provide eligible Subcontractors with a copy of this document, the Project Insurance Manual, and/or all other applicable requirements shall not relieve any such Subcontractor of any of the obligations contained therein.

Contractor/Subcontractor shall keep and maintain accurate records and information in accordance with the requirements of the OCIP Insurer(s), the Project Administrator, the Project Insurance Manual, and the contract documents, and shall provide such records and information to Owner, the Program Administrator, and/or the OCIP insurers upon request.

1.6 OCIP DISCLAIMER

The Owner does not warrant or represent that the OCIP coverages constitute an insurance program that completely addresses all the risks of the Contractors/Subcontractors. Prior to the commencement of work under the contract, it is the responsibility of all Contractors/Subcontractors to ensure that the OCIP coverages provided sufficiently address their insurance needs. Any additional insurance coverage purchased will be at Contractor's/Subcontractor's option and sole expense.

1.7 REQUIRED CONTRACTOR/SUBCONTRACTOR PROVIDED INSURANCE COVERAGES

For any work under this contract, and until completion and final acceptance of the work by the Owner, the Contractors/Subcontractors shall, at their own expense, promptly furnish Certificates of Insurance evidencing that coverage is in force and any required Additional Insured Endorsements to the Owner, with a copy to the Program Administrator for the following coverages, before commencing work on the Project.

- A. Automobile Liability Insurance Requirements and Limits Are as Follows:** See Section 1.8 for Certificate Holder and Additional Insured Endorsement specifications. Automobile Liability Insurance must cover all vehicles owned by, hired by, or used on behalf of the Contractors/Subcontractors for both Project Site and off-site operations with the following minimum limits of liability:

Auto Liability Insurance Limits required:

All Contractors/Subcontractors*

<u>General/Prime Contractor</u>	<u>Subcontractor</u>	
\$2,000,000	\$1,000,000	Bodily Injury and Property Damage

***See Section 1.8 for additional insured language**

- B. Workers' Compensation and Employer's Liability Insurance Limits:**

Workers' Compensation –Statutory Benefits - All States

Employer's Liability:

- \$1,000,000 Bodily Injury each Accident
- \$1,000,000 Bodily Injury by Disease – Policy Limit
- \$1,000,000 Bodily Injury by Disease – Each Employee

C. General Liability Insurance, minimum limits of liability are as follows:

Eligible Contractors/Subcontractors

<u>General/Prime Contractor</u>	<u>Subcontractor</u>	
\$2,000,000	\$1,000,000	Bodily Injury and Property Damage
\$2,000,000	\$1,000,000	Per Occurrence
\$2,000,000	\$1,000,000	General Aggregate
\$2,000,000	\$1,000,000	Products/Completed Operations Aggregate
\$2,000,000	\$1,000,000	Personal/Advertising Injury Aggregate

Ineligible Contractors / Subcontractors (Excluded)

<u>General/Prime Contractor</u>	<u>Subcontractor</u>	
\$2,000,000	\$1,000,000	Bodily Injury and Property Damage
\$2,000,000	\$1,000,000	Per Occurrence
\$2,000,000	\$1,000,000	General Aggregate
\$2,000,000	\$1,000,000	Products/Completed Operations Aggregate
\$2,000,000	\$1,000,000	Personal/Advertising Injury Aggregate

D. Professional Liability Insurance: If Contractor's/Subcontractor's work requires design and/or design-assist services, or Contractor/Subcontractor performs professional services of any kind, Contractor/Subcontractor shall purchase and maintain, at its sole cost and expense, Professional Liability (Errors and Omissions) insurance for all professional services provided. This Professional Liability insurance shall include full prior acts coverage sufficient to cover the services under this agreement, with the following minimum limits of liability:

\$1,000,000 per Claim/Annual Aggregate

Deductible or self-insured retention amount must not be greater than \$100,000 per claim, including coverage of contractual liability.

Professional Liability Insurance is to be maintained during the term of the contract and for so long as the insurance is reasonably available as provided herein, for a period of ten (10) years after completion of the services.

E. Environmental and Asbestos Abatement Coverages: If the Contractor's/Subcontractor's scope of work involves the removal of asbestos, the removal/replacement of underground tanks, or the removal of toxic chemicals and substances, the Contractor/Subcontractor will be required to provide the following minimum limits of liability, for such exposures subject to requirements and approval of the Owner:

\$1,000,000 per Claim/Aggregate

F. Aircraft or Watercraft Liability Insurance: If any Contractor/Subcontractor requires the use of Aircraft or Watercraft at the Project Site, the Contractor/Subcontractor shall purchase and maintain, or cause the operator of the Aircraft or Watercraft to purchase and maintain, Aircraft or Watercraft liability insurance. This must insure passengers and the General Public against personal injury, bodily injury or property damage arising out of the ownership, maintenance, use or entrustment to others. It includes Aircraft or Watercraft owned or operated by or rented or loaned to any insured. Use includes operation and "loading or unloading". Contractor/Subcontractor will be required to provide

the following minimum limits of liability, for such exposures subject to requirements and approval of the Owner:

\$5,000,000 per Claim/Aggregate

1.8 REQUIRED CONTRACTOR/SUBCONTRACTOR CERTIFICATES OF INSURANCE AND ADDITIONAL INSURED ENDORSEMENTS

Certificates of Insurance and Additional Insured Endorsements acceptable to the Owner and Program Administrator must be filed with the Owner within ten (10) days after award of the contract to all Contractors/Subcontractors and prior to commencement of on-site activities.

All required insurance shall be maintained, without interruption, from the date of commencement of on-site activities, until the date of the final payment or expiration of any extended period, as set forth in this agreement. These certificates and additional insured endorsements required by Section 1.7 and 1.8 shall provide not less than thirty (30) days prior written notice to the Owner, with a copy to the Program Administrator, of any material change in the insurance, cancellation, or non-renewal.

Certificates of Insurance, the Project must be identified on the Certificate of Insurance in the "Description of Operations/Locations/Vehicles/Special Items" section. The Certificates of Insurance should name District, as the Certificate Holder, as specified below:

Certificate Holder:

Palo Verde Community College District
c/o Statewide Educational Wrap Up Program (SEWUP)
2355 Crenshaw Blvd., Suite 200
Torrance, CA 90501

Additional Insured Endorsements: The Owner must be specifically named on the Schedule of an Additional Insured Endorsement, under the section titled, "Name of Person or Organization", as specified below:

- 1. Palo Verde Community College District, CM, Architect, Inspector, the State of California, their officers, employees, agents, volunteers and independent contractors as additional insureds.**
- 2. All Contractors/Subcontractors must provide an additional insured endorsement for automobile liability.**

Ineligible Contractors/Subcontractors must provide an additional insured endorsement on both the Automobile Liability and General Liability policies and a waiver of subrogation on workers' compensation.

Palo Verde Community College District
c/o Statewide Educational Wrap Up Program (SEWUP)
2355 Crenshaw Blvd., Suite 200
Torrance, CA 90501

1.9 CONTRACTOR/SUBCONTRACTOR INSURANCE FOR PERSONAL PROPERTY AND EQUIPMENT

All Contractors/Subcontractors shall be solely responsible for any loss or damage to their personal property including, without limitation, their tools and equipment, mobile construction equipment, scaffolding, and temporary structures, whether owned, borrowed, used, leased or rented by any Contractor/Subcontractor. Contractors/Subcontractors may at their sole discretion, purchase and maintain insurance or self-insure such equipment and property, and any deductible in relation thereto shall be their sole responsibility. Any insurance, including self-insurance, shall be the Contractors'/Subcontractors' sole source of recovery in the event of a loss.

Any type of insurance or any increase of limits of liability not described in this Section, which the Contractors/Subcontractors require for their own protection or on account of any statute, will be their own responsibility and at their expense.

1.10 ASSIGNMENT OF RETURN PREMIUMS

The Owner will be responsible for the payment of all premiums associated solely with the OCIP and will be the sole recipient of any dividend(s) and/or return premium(s) generated by the OCIP.

1.11 WAIVER OF SUBROGATION AND OWNER INDEMNIFICATION

With respect to their work on the Project:

1. Owner waives all rights of subrogation and recovery against the Contractors/Subcontractors to the extent of any loss or damage, which is insured under the OCIP.
2. Contractors/Subcontractors waive all rights of subrogation and recovery against the Owner and other Contractors/Subcontractors to the extent of any loss or damage, which is insured under the OCIP.
3. The Contractors/Subcontractors are obligated to indemnify the Owner for damages or claims not covered by the OCIP.

1.12 NO RELEASE

The provision of the OCIP, by the Owner, will in no way be interpreted as relieving the Contractors/Subcontractors of any other responsibility or liability under this agreement or any applicable law, statute, regulation, or order.

1.13 OWNER'S RIGHT TO AUDIT

The Contractor/Subcontractor will permit the Owner and/or its representative to examine and/or audit its books, records and insurance policy information. Contractor/Subcontractor will also provide any additional information to the Owner, or it's appointed representatives, as may be required.

1.14 DUTIES IN THE EVENT OF A LOSS

Contractors/Subcontractors are required to report all losses, which include potential losses, promptly to, OCIP insurers and/or Program Administrator. A full description and details of the incurred loss are also required.

The Contractor/Subcontractor shall assist the Owner, its agents, and the Program Administrator, by providing 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 Owner's insurers in claims and demands that arise out of the Work and that the insurers are called upon to adjust.

In the event of an accident, it shall be the responsibility of the employing and/or responsible Contractor/Subcontractor to see that injured workers or members of the public are provided immediate medical treatment. All appropriate medical and claim forms must be filed in accordance with the claim procedures developed for this Project by Keenan & Associates, hereinafter called "Program Administrator." This includes notification to the appropriate state authorities, if necessary.

1.15 OCCUPATIONAL SAFETY AND HEALTH COMPLIANCE

All Contractors/Subcontractors are expected to comply with all applicable local, state, and federal occupational safety and health requirements. If additional safety and health requirements are set forth in the contract specifications, all contractors shall comply with these requirements.

It is the responsibility of each Contractor/Subcontractor to maintain an environment free of recognized hazards. All Contractors/Subcontractors shall exercise reasonable care to prevent work-related injuries; property and equipment damage at the Project, as well as minimize risk to the public and third-party property.

The Program Administrator shall conduct periodic loss control surveys on behalf of the District. These surveys will focus on evaluating the Contractors'/Subcontractors' efforts to minimize loss, assist in identifying loss exposures, and to recommend appropriate corrective measures. The Program Administrator is a resource to supplement the safety and loss prevention activity of Contractors/Subcontractors. Its loss control survey activities or other activities of the Program Administrator and/or OCIP insurers do not in any way relieve the Contractors/Subcontractors of their responsibilities for Project safety.

1.16 PROJECT SAFETY PROGRAM

In addition, local, state, and federal occupational safety and health laws, the following standards apply to all Enrolled and Non-Enrolled Contractors/Subcontractors.

A. Safety Orientation

1. Contractor/Subcontractor employees shall be provided with a project specific safety orientation prior the start of the project. At a minimum, the orientation will address the following items:
 - a. The District's site safety requirements.
 - b. Site specific safety hazards and protective measures for these hazards.
 - c. Emergency telephone numbers and procedures.
 - d. Local medical clinic/hospital information within the Medical Provider Network (MPN).

B. Program Management

1. Each Contractor/Subcontractors shall have the following safety programs:
 - a. Injury and Illness Prevention Plans
 - b. Hazard Communication Programs
 - c. Heat Illness Prevention Plans
2. Each Contractor/Subcontractor shall have an onsite competent person responsible for occupational safety and health. A competent person is one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

C. Mandatory 6' Fall Protection

1. Contractor/Subcontractor employees shall be protected from fall exposures of 6 feet or greater. Activities include but are not limited to:
 - a. Steel erection
 - b. Roofing
 - c. Framing
 - d. Decking
 - e. Scaffold work
 - f. Work performed from ladders
2. The following exceptions apply only to framers and wood frame activities:
 - a. When installing or "rolling" the joists, Cal/OSHA fall protection requirements shall govern.
 - b. When framers are walking/working on securely braced joists, rafters, or roof trusses on center spacing not exceeding 24 inches, and more than 6' from an unprotected side or

edge, they shall be considered protected from falls between the joists, rafters, or roof trusses.

3. A safety monitor as means of fall protection is prohibited.
4. Ladder jacks and lean-to scaffolds are prohibited.
5. Contractor/Subcontractors are required to provide training to their employees who might be exposed to a fall hazard prior to the exposure or upon hiring. This training shall be documented and available for review.
6. Methods of fall protection include but are not limited to the following:
 - a. Railings
 - b. Covers for Floor, Roof, and Wall Openings
 - c. Personal Fall Arrest Systems, Personal Fall Restraint Systems, and Positioning Devices
 - d. Controlled Access Zones
7. The design and construction of railings shall conform to the Cal/OSHA Construction Safety Orders.
8. The use of wire ropes as top rails and intermediate rails of guardrail systems used for perimeter protection, or at interior openings such as stairways and elevator shafts, shall be installed in accordance with Cal/OSHA requirements. Additionally, wire ropes shall be secured to each support and taut at all times. The maximum deflection of the top rail when a load of 200 pounds is applied in any direction at any point of the top rail shall not exceed 3 inches in one direction which includes the free hanging sag in the wire rope.
9. The minimum parapet height allowed for fall protection is 42 inches or greater.
10. Covers used to cover floor, roof, and wall openings shall be secured in place to prevent accidental removal or displacement and shall be marked in accordance with Cal/OSHA Construction Safety Orders.
11. Covers used to cover floor and roof openings shall be capable of safely supporting the greater of 400 pounds or twice the weight of the employees, equipment and materials that may be imposed on any one square foot area of the cover at any time.
12. Controlled access zones shall be defined by a control line or other means that restricts access. Each line shall have a minimum breaking strength of 200 pounds. Signs shall be posted to warn unauthorized employees to stay out of the controlled access zone.
13. Control lines shall consist of ropes, wires, tapes, or equivalent materials. Control lines shall be erected and supported in accordance with Cal/OSHA Construction Safety Orders.
14. Scaffold Access/Egress. An internal ladder system with hatches and drop-down ladders or temporary stairs shall be provided for safe access/egress on all scaffolds 20 feet or greater in height. External straight ladders are prohibited on all scaffolds if it exposes a user to a fall of 20 feet or greater in height.

D. Site Safety

According to industry practices, it is the responsibility of contractors of all tiers to exercise reasonable care to prevent work-related injuries; property and equipment damage at the project site, as well as minimize risk to the third-party persons and property. Contractors/Subcontractors of all tiers shall be expected to comply with the following safety and loss control requirements:

1. All Subcontractors shall identify their contact person(s) to the General or Prime Contractor.
2. All Contractors/Subcontractors shall follow District procedures for dealing with the media.

3. At all times, hard hats shall be worn in the construction environment. Hard hats shall meet the requirements of ANSI Z89.1. No modification to the shell or suspension is allowed except when such changes are approved by the manufacturer.
4. 100% protective eyewear with side shield protection is required while in the construction environment, shop, or anytime eye hazards exist. Protective eyewear shall bear a legible and permanent "Z87" logo to indicate compliance with applicable ANSI/ASSE Standard.
5. All construction employees shall wear clothing suitable for the weather and work conditions. At a minimum, this shall be short sleeved shirts, long pants, and leather or other protective work shoes or boots.
6. Alcohol is prohibited on District property always.
7. Contractors/Subcontractors will be required to respond to all District complaints about objectionable levels of dust or noise and will be required to provide prompt and appropriate abatement.
8. Construction personnel cannot enter District grounds other than the construction site unless accompanied by District personnel and are allowed only "incidental" contact with students. Violations of these requirements by any construction employee will result in a mandatory background check of that employee – including fingerprinting – as required by state law.
9. All prime contractors must attend the site-specific pre-construction meeting.
10. No sexual reference or preference shall be permitted on any piece of clothing or the hardhat. Any employee observed disregarding this policy shall be removed from the job site until further notice.
11. Contractors and subcontractors at all times shall keep premises free from debris such as waste, rubbish, and excess materials and equipment caused by contract work. Contractors and subcontractors shall not leave debris under, in, or about the premises. Upon completion of the contract work, contractors and subcontractors shall clean the interior and exterior of the building or improvement including fixtures, equipment, walls, floors, ceilings, roofs, window sills and ledges, horizontal projections, and any areas where debris has collected so surfaces are free from foreign material or discoloration. Contractors and subcontractors shall clean and polish all glass, plumbing fixtures, and finish hardware and similar finish surfaces and equipment and contractor shall also remove temporary fencing, barricades, planking and construction toilet and similar temporary facilities from the site. No glass containers are permitted on the site.
12. Theft or willful damage to any property of the District, student, or other contractors will be prosecuted fully.
13. All Contractors/Subcontractors will advise non-English speaking employees in their native language either in a written format or via an interpreter of these policies.

E. Crane Safety

1. In accordance with Title 8, California Code of Regulations, section 5006.1, employers shall only permit operators who have a valid certificate (license) of competency to operate cranes. The operator shall have his license on his person, readily available for review.
2. All cranes used in lifting service, exceeding 3 tons rated capacity, and their accessory gear shall not be used until the employer has ascertained that such equipment has been certificated in accordance with Cal/OSHA as evidenced by current and valid documents. Certificates (annual and quadrennial) attesting to current compliance with testing and examination standards shall be maintained, readily available for each crane.

3. The contractor shall provide an erection plan and procedure for erection of trusses and beams over 25 feet long. The erection plan and procedure shall be prepared by a civil engineer currently registered in California. This plan and procedure shall be followed and kept available on the job site.

F. Fire Prevention During Welding, Cutting, and Other Hot Work

1. Contractors engaged in welding and allied processes, heat treating, grinding, cutting, thawing pipe, powder-driven fasteners, hot riveting, torch-applied roofing in conjunction with the requirements of NFPA 241, and similar applications producing or using a spark, flame, or heat shall adhere to National Fire Protection Association Standard 51B entitled "Standard for Fire Prevention During Welding, Cutting, and Other Hot Work."

G. Incident Investigation Requirements

1. The contractor shall perform thorough, in-depth investigations and evaluations of all incidents. A formal incident investigation shall be conducted whenever any incident occurs, including, without limitation, both non-injury incidents and incidents involving first aid. Additionally, near miss accidents and/or incidents must be reported and undergo the same in-depth investigation, root cause analysis and lessons learned process. The incident investigation report shall be e-mailed to Keenan and Associates within 5 working days.
2. Recommendations and lessons learned to prevent recurrence of incidents shall be documented and communicated to all employees of contractor and subcontractors through safety meetings and on-the-job training.

H. Return to Work:

1. The District and OCIP Carrier are committed to working with all Enrolled Contractors and Subcontractors to promote the successful & timely return to work of injured employees following a work-related injury. The purpose of this policy is to ensure that Enrolled Contractor/Subcontractor employees who temporarily cannot return to their normal duties due to job-related injury or illness but can safely perform transitional duties while recovering is offered appropriate transitional duties for a limited time only.
 - a. An employee who has experienced a job-related injury requiring medical treatment must provide a proper medical release prior to returning to work.
 - b. An employee who has been removed from the jobsite ambulatory must provide a proper medical release prior to returning to work.
 - c. Each Enrolled Contractor/Subcontractor will cooperate with the OCIP Carrier to facilitate the return to work of any injured employee capable of safely performing transitional duties.
 - d. When the employee is released to transitional duties, it is the Enrolled Contractor/Subcontractor's responsibility to facilitate the injured employee's return to work.
 - e. The Enrolled Contractor/Subcontractor is expected to accommodate the injured employee and facilitate the return to work.
 - f. It will be the responsibility of the Insurance Carrier's Adjuster to maintain communication with the treating physician and the Enrolled Contractor/Subcontractor to facilitate the prompt return of an employee to full work status.

I. Conflicting Safety Requirements:

The District and SEWUP OCIP program place a very high value on project safety. Each may have their own safety requirements that are very similar in nature. However, in the event the requirements are in conflict or one is silent on a particular matter, then the requirement affording the greatest of amount protection will control. For example, if the District's Safety Program

Requirements do not mandate 6' Fall Protection, then Section "6.5 Mandatory 6' Fall Protection" contained in the SEWUP Project Insurance Manual will control.

J. Noncompliance and Unsafe Practices

Owner or their representative shall have the authority to immediately cease any and all operation (s) on the jobsite that is deemed by Owner or their representative to be unsafe to property or has the potential to cause Bodily Injury, pursuant to Title VIII California Code of Regulation, Section 1511. Any such cessation of work shall not constitute recoverable delay or other contractual remedies for liquidated damages and may expose the offending contractor to any such losses to the District or other trades.

K. Professional Conduct Clause

Contractors and subcontractors shall at all times adhere to safety requirements (contractual and regulatory) and shall encourage safe and professional behavior among their employees. Contractor and subcontractors shall not allow on the job site any unfit person, unsafe person, anyone unskilled and unqualified to perform the work assigned to them, or anyone exhibiting such qualities. Any person in the employ of the contractor or subcontractor whom the District or the District's agent/representative may deem incompetent, unsafe, or unfit shall be immediately dismissed from the OCIP job site and shall not again be allowed on the OCIP the job site except with the written consent of District or the District's agent/representative. The District reserves the right to request that the contractor or subcontractor's assigned Project Supervisor/Manager be replaced immediately.

1.17 OWNER'S INSURANCE OBLIGATIONS; CONTRACTORS' /SUBCONTRACTORS' OBLIGATIONS; REPRESENTATIONS, WARRANTIES AND DISCLAIMERS

(a) Owner assumes no obligation to provide insurance other than that summarily described in these Contractual Provisions, in the Project Insurance Manual, and in the OCIP insurance policies. Contractor/Subcontractor shall review the OCIP coverages, limits of liability, and insurance policies to satisfy themselves that the coverages offered thereby meet its needs. Nothing contained herein shall be deemed to place any responsibility on Owner, and Owner disclaims any responsibility, for ensuring that the insurance provided by the OCIP is sufficient for the conduct of Contractor's/Subcontractor's business or performance of the Work, including, without limitation, the adequacy of the limits of liability provided by, and as to all other terms, conditions and exclusions of, the OCIP insurance policies. The furnishing of insurance by Owner through the OCIP shall in no way relieve or limit or be construed to relieve or limit Contractor/Subcontractor of any responsibility, liability or obligation imposed by the contract, the contract documents, the Project Insurance Manual, the OCIP insurance policies, or by law, including, without limitation, all indemnification obligations on the part of Contractor/Subcontractor.

(b) By enrolling in the OCIP, Contractor/Subcontractor acknowledge that (i) the limits of liability of the OCIP insurance policies are shared by all insured parties under the OCIP; (ii) Owner is not an insurer or in the business of insurance and is not an agent, broker, partner or guarantor of Contractor/Subcontractor or any of the insurance companies providing coverage under the OCIP (the "OCIP insurers"); and (iii) Owner is not responsible for (a) the availability, adequacy, or exhaustion of the limits of the OCIP, (b) the present or future solvency of any of the OCIP insurers or (c) any claims or disputes by, between or among Owner, Contractor/Subcontractor and any of the OCIP insurers, including, without limitation, claims or disputes arising out of any the OCIP insurers' payment or nonpayment of claims or losses, or such insurers' contractual or extra-contractual duties, including, without limitation, defense and/or indemnity obligations. Any type of insurance coverage or limits of liability not provided by the OCIP which Contractor/Subcontractor desires for its own protection, or which is required by applicable laws or regulations, shall be its sole responsibility and expense and shall not be included in its compensation for the Work. If Contractor/Subcontractor

believes that additional limits of liability beyond those provided by the OCIP would be prudent for its protection, it agrees to investigate and procure such additional limits of liability for itself at its sole cost.

(c) By enrolling in the OCIP, Contractor/Subcontractor represents and warrants that it has had the opportunity to read and analyze (and to obtain professional assistance to read and analyze) a copy of the OCIP insurance policies and understand the contents thereof. Any reference in these contractual provisions, in the Project Insurance Manual, or elsewhere in any contract document as to amount, nature, type or extent of coverage provided under the OCIP and/or potential applicability to any potential claim or loss is for reference only and Contractor/Subcontractor represents and warrants that it has not relied upon any such reference or any other oral or written statement by or on behalf of Owner, the Project Administrator, or any of its or their agents, employees or representatives, but solely upon its own independent review and analysis of the OCIP insurance policies in formulating any understanding and/or belief as to amount, nature, type or extent of any coverage, conditions, extensions, or limits of liability provided by and as to all other terms of the OCIP insurance policies and/or their potential applicability to any claim or loss or their sufficiency for the conduct of Contractor's/Subcontractor's business or performance under the contract documents. To the extent that Contractor/Subcontractor deems it prudent to secure and maintain additional, supplemental, excess, or wholly independent insurance or liability associated with its Work on the Project or otherwise, it shall be responsible to do so at its sole expense.

(d) Contractor/Subcontractor hereby releases Owner, the Program Administrator and their respective representatives, agents, directors, officers, employees, partners, shareholders, members, affiliates of every tier, successors, and assigns from any and all claims and liabilities arising out of or relating to acts, errors, omissions or negligence (i) in the design, selection, placement, adequacy, amount, limits, scope and nature of insurance coverage afforded by the OCIP, (ii) in the selection, performance and present and future solvency of the OCIP insurers, and (iii) in the implementation and administration of the OCIP. Contractor/Subcontractor shall make its own determinations regarding such matters and expressly waives all rights and benefits conferred upon it by the provisions of California Civil Code Section 1542, which provides:

“A general release does not extend to claims which the creditor did not know or suspect to exist in his or her favor at the time of executing the release, which if known by him or her must have materially affected his or her settlement with the debtor.”

Contractor/Subcontractor expressly acknowledges that the foregoing waiver of the provisions of Section 1542 was separately bargained for, and expressly agrees that the release provision shall be given full force and effect, including, without limitation, as to unknown or unsuspected claims, demands, liabilities and causes of action, if any may exist or arise. This release provision shall survive the completion of the Work and the expiration or other termination of the Agreement.

1.18 JOINT DEFENSE OF CLAIMS AND SUITS AGAINST MORE THAN ONE INSURED

(a) If a claim, demand, suit, or other proceeding (“Claim”) is brought against more than one insured under the OCIP, Owner and Contractor/Subcontractor recognize the common interest of all OCIP insureds in jointly defending that Claim. To the fullest extent permitted by law, and absent a material, current, actual, unwaivable conflict of interest mandating the appointment of separate counsel under applicable law, Owner and Contractor/Subcontractor insured under the OCIP (i) shall be defended by the same counsel and by the same consultants and experts selected by Owner and/or the OCIP insurers at its or their sole discretion, regardless of whether the defense under the OCIP is provided subject to a reservation of rights issued by any OCIP insurer, and (ii) waive their respective rights to independent counsel as to any and all such Claims. This waiver is deemed to be continuing. Contractor/Subcontractor agrees to execute such other documents as are required to effectuate this waiver and fulfill the purpose of this Section 1.18.

(b) In defense of Claims arising under the OCIP, information shared with counsel engaged to defend the insureds (" Defense Counsel") will be protected from disclosure and shall remain privileged even after the termination of the OCIP and/or the completion of the Project. Contractor/Subcontractor agrees not to disclose to any person or entity, other than to Owner and to Defense Counsel, any confidential information obtained in the defense or pursuit of Claims covered, or potentially covered, under the OCIP. Any such confidential information shall only be used in matters that arise directly pursuant to such OCIP Claims. However, disclosures of such confidential information may be made (i) upon written approval from Defense Counsel or (ii) where required by court order or by applicable law.

(c) Nothing in this Section 1.18 shall preclude Contractor/Subcontractors from engaging counsel of its choice, at its sole expense, to associate in the defense of any such Claim.

1.19 Duty of Care

Nothing contained in the OCIP insurance policies, the contract, these contractual provisions, any other contract document, or the Project Insurance Manual shall relieve Contractor/Subcontractor of its obligations to exercise due care in the performance of its duties in connection with the Work and to complete the Work in strict compliance with the contract documents.

NOTE: THE OWNER AND PROGRAM ADMINISTRATOR MUST APPROVE CHANGES TO ANY OCIP REQUIREMENT OR PROCEDURE. NO CONTRACTOR OR SUBCONTRACTOR HAS THE AUTHORITY TO AMEND THE OCIP REQUIREMENTS.

OCIP EXHIBIT A

PROTECTIVE SAFEGUARDS

APPLICABLE TO 'WOOD FRAME' PROJECTS ONLY:

The Builders Risk Policy will not pay for LOSS caused by or resulting from exposures, if the applicable protective safeguards are not maintained during the Builders Risk Policy term of INSURED PROJECT.

As a condition precedent to fire, theft, vandalism, and malicious mischief coverage provided by the Builders Risk Policy, the following protective safeguards will be maintained at every INSURED PROJECT site of Wood Frame construction insured by the Builders Risk Policy..

1. **Fencing - The entire INSURED PROJECT** site shall be surrounded with a six foot chain link fence suitably anchored in the ground and placed a reasonable distance from the insured property. Gates through the chain link fence shall be securely locked during non-working hours.
2. **Lighting - The entire INSURED PROJECT** site shall be illuminated from sunset to sunrise, each day.

OCIP EXHIBIT B

Project Insurance Manual



www.sewup.org

**Statewide Educational Wrap Up Program (SEWUP) JPA
Owner Controlled Insurance Program (OCIP)**

Project Insurance Manual

This manual is intended to provide only a general overview of the Owner Controlled Insurance Program and does not in any way alter or take precedence over the language in the actual insurance policies and contracts. It makes no promise to provide insurance to those not enrolled in the Owner Controlled Insurance Program

**Program Administrator:
Keenan & Associates
SEWUP Department**

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IX (v.04-2022)

Table of Contents

PREFACE	3
About This Manual	3
This Manual Does Not	3
1.0 INTRODUCTION.....	4
1.1 Participation & Contractor Compliance.....	4
1.2 Subcontractor Eligibility	5
1.3 Project Site and Offsite Premises	5
2.0 INFORMATION DIRECTORY.....	5
2.1 Program Administrator.....	5
2.2 Insurance Companies.....	6
3.0 OCIP COVERAGES	6
3.1 Workers’ Compensation and Employer’s Liability Insurance.....	7
3.2 Commercial General Liability & Excess Liability Insurance.....	7
3.3 Builder’s Risk Insurance	8
3.4 Contractor’s Pollution Liability Insurance	8
3.5 OCIP Certificates.....	9
4.0 CONTRACTOR REQUIRED INSURANCE.....	9
4.1 Verification of Required Insurance Coverages.....	10
4.2 Contractor Maintained Insurance Coverage.....	10
4.3 Certificates of Insurance.....	12
4.4 Additional Insured Endorsements	12
5.0 CONTRACTOR RESPONSIBILITIES / REQUIREMENTS	13
5.1 Contractor Bids & Change Orders - Removing Insurance Costs	13
5.2 Program Compliance.....	14
5.3 Confirmation of Enrollment & Evidence of OCIP Coverages.....	14
5.4 Payroll Reporting Compliance.....	15
5.5 Contract Completion / Closeout Compliance.....	16
6.0 SAFETY	16
6.1 Occupational Safety and Health Compliance	17
6.2 Safety Orientation	17

6.3	Program Management	17
6.4	Site Safety	17
6.5	Mandatory 6’ Fall Protection.....	18
6.6	Crane Safety	19
6.7	Fire Prevention During Welding, Cutting, and Other Hot Work.....	20
6.8	Incident Investigation Requirements.....	20
6.9	Return to Work:.....	20
7.0	CLAIMS REPORTING.....	21
7.1	Workers’ Compensation Claim Reporting & Procedures.....	22
7.2	General Liability Claim Reporting.....	23
7.3	Builder’s Risk Claim Reporting.....	23
7.3	Contractor’s Pollution Liability Claim Reporting	24
7.4	Automobile Claim Reporting.....	24
7.5	Instructions and Procedures – Litigation Papers, Legal Documents, etc.	24
7.6	Investigation Assistance/Confirmation of Claim Receipt.....	24
8.0	REQUIRED PROJECT FORMS	24
8.1	First Report of Injury (5020).....	26
8.2	Workers’ Compensation Claim Form (DWC-1).....	27
8.3	Notice of Occurrence - Accident/Incident Report – General Liability, Pollution, Builders Risk.....	29
9.0	FREQUENCY ASKED QUESTIONS (FAQS)	31
10.0	KNOWN POLICY EXCLUSIONS	35

Preface

About This Manual

- Identifies responsibilities of the various parties involved in the project
- Provides a basic description of the OCIP coverage and program structure
- Describes audit and administrative procedures
- Provides answers to basic questions about the OCIP
- Claim reporting procedures
- Will be updated as necessary

This Manual Does Not

- Provide OCIP coverage interpretations
- Provide complete information about OCIP coverages (Refer to OCIP policies)
- Provide answers to specific claims questions

1.0 Introduction

The Statewide Educational Wrap Up Program JPA (SEWUP), of which this school district is a member, is providing an Owner Controlled Insurance Program (OCIP) for work performed at specific project sites, on behalf of the district, who is the “Owner”. The OCIP is an insurance program that insures eligible and enrolled subcontractors, for Work performed at the Job Site.

Certain subcontractors are excluded from this OCIP. These parties are identified in the Contract Documents and Section 3 (Definitions) of this manual.

The Owner / District will pay the insurance premiums for the OCIP coverage described in this manual. You should notify your insurer(s) to endorse your coverage to be excess and contingent over the insurance provided under this OCIP for on-site activities and the related costs. Each bidder, the Contractor and its subcontractors, are required to exclude from its bid price and requests for payment, the cost of insurance coverages that will be provided by the OCIP.

Note

The guidelines in this manual are to be used for informational purposes only. This manual does not constitute a contractual agreement. If conflicts exist between this manual and OCIP Insurance Policies, or this manual and the Contract between the District, Construction Manager, and Contractor (Enrolled Parties), OCIP Policies or Owner’s Contract will govern.

Any questions regarding a Subcontractor’s status as “Eligible” or “Ineligible” should be referred by written request to Contractor and Owner and approved by the Program Administrator.

1.1 Participation & Contractor Compliance

Participation in the OCIP is mandatory but not automatic. Enrollment eligibility will be determined upon completion of an online enrollment form which will include documentation of trade, scope of work, estimated value, estimated start and completion. All Contractors and subcontractors of all tiers must register via WrapPortal (www.keenanwrap.com) and adhere to all program requirements, as specified in [Section 5.0](#).

The program Administrator will provide access to an online enrollment via Keenan Wrap, through its proprietary software referred to herein as WrapPortal; a User Name, Password and URL for website enrollment will be provided to each subcontractor upon entry of Subcontractor identifying information into WrapPortal by Contractor or Parent Subcontractor.

Enrollment of each Contractor’s eligible Subcontractors is mandatory. Contractor shall notify Owner and the Program Administrator in writing of the identity of each Subcontractor regardless of enrollment eligibility and shall cause each Subcontractor to notify the Program Administrator in writing of the identity of each of its Sub-subcontractors, prior to such parties’ commencement of their portion of the Work and prior to their entry onto the Project. Contractors and subcontractors of all tiers shall not be deemed enrolled until the Program Administrator and OCIP insurers receive and approve a completed Contract Enrollment Form, for each awarded contract. Enrollment is required prior to commencement of on-site activities but no contractor shall be enrolled sooner than 30 days prior to their start date. Each Contractor/Subcontractor shall be solely responsible for any and all losses, damages, claims, liabilities, and suits arising out of such Subcontractor’s failure to enroll, or delay in enrolling, any of its Subcontractors.

Enrollment (Definition): An Eligible Subcontractor is considered Enrolled once all required documents are received, reviewed and processed by the OCIP Program Administrator and Insurer.

1.2 Subcontractor Eligibility

A. Eligible

Includes all Subcontractors providing direct labor on the Project and excludes Ineligible contractors as defined below. Temporary labor services and leasing companies are to be treated as Eligible Contractors.

B. Ineligible Contractor (Excluded)

It is not the intent to insure (but is not limited to) consultants, suppliers, abatement and/or removal of hazardous materials, vendors, materials dealers, surveyors, guard services, non-construction janitorial services, and truckers, including trucking to the Project where delivery is the only scope of work performed. **Ineligible/excluded parties are required to ensure that any eligible subcontractors, who are hired for installation or to provide on-site labor, comply with the OCIP Enrollment and are provided with a copy of this OCIP Project Manual.** Ineligible contractors will be required to adhere to insurance certificate requirements as stated in section [4.0, under Contractor-Provided Insurance Coverage](#). In addition, any party deemed an Ineligible Contractor, but who has direct labor on the Project, will be required to participate in the Project Safety Program ([see Section 6.0](#)).

1.3 Project Site and Offsite Premises

Coverages provided by the OCIP are Project Site specific. The Project-Site must be designated by the Owner. The Project Site consists of any and all projects that are endorsed to this policy, which includes the:

- Ways and means adjoining the endorsed project site.
- Adjacent locations to the endorsed projects sites where incidental operations are being performed, excluding permanent locations.

With the exception of 1 and 2 mentioned above, off-site locations, labor and operations are not covered by the OCIP. It will be the responsibility of each contractor to maintain off-site insurance, as identified in Section 4.3, which specifies coverage types and minimum limits. Contractor will promptly furnish to the Owner, or their designated representative, Certificates of Insurance evidencing that all required insurance is in force.

2.0 Information Directory

2.1 Program Administrator

Keenan & Associates - SEWUP Department

2355 Crenshaw Blvd., Suite 200

Torrance, CA 90501

Phone: 800.654.8102

Questions Regarding OCIP

Refer questions concerning the OCIP and its administration or coverage's to the Program Administrator. Answers to questions may also be found in [Section 9.0 - Frequency Asked Questions](#).

2.2 Insurance Companies

Workers' Compensation	Liberty Mutual Insurance
General Liability	Lloyds of London
Excess Liability	Lloyds of London
	Associated Industries Insurance Company
	Endurance American Specialty Insurance Company
	Liberty Surplus Insurance Corp
	Great American Assurance Co
	Texas Insurance Co
	Westchester Surplus Lines
	Crum & Forester Specialty Insurance
	Great Lakes Insurance SE
Builder's Risk	Ace American Insurance Company
Contractor's Pollution Liability	Berkeley Assurance Insurance Company

See Section 6 For Claims Reporting Instructions and Procedures.

3.0 OCIP Coverages

Description of Owner Controlled Insurance Program (OCIP) Coverages

The OCIP is for the benefit of the Owner and all Enrolled Contractor/Subcontractors who have on-site employees. OCIP coverage applies only to Work performed under the contract at the Project Site specified by the Owner. All Contractors must provide their own insurance for Automobile Liability and off-site locations, labor, and operations. The following coverages are provided by the OCIP:

Workers' Compensation and Employers Liability

Commercial General & Excess Liability

Builder's Risk

Contractor's Pollution Liability

A Certificate of Insurance evidencing workers' compensation & employer's liability, general and excess liability and pollution liability insurance will be issued to each Enrolled Party via WrapPortal. Other documentation including forms, posting notices, etc., will be provided to each Enrolled Party.

OCIP Disclaimer

The OCIP is intended to provide broad coverages and high limits, to all Enrolled Contractors/Subcontractors. The Owner does not warrant or represent that the OCIP coverages constitute an insurance program that completely addresses the risks of the Contractors/Subcontractors. Prior to contract award, it is the responsibility of all Contractors/Subcontractors to ensure that the OCIP coverages provided sufficiently address their insurance needs. Upon request, OCIP policies are available for review.

3.1 Workers' Compensation and Employer's Liability Insurance

Workers' Compensation and Employer's Liability Insurance will be provided in accordance with applicable state laws, to all Enrolled Contractors/Subcontractors, each as named insured, and issued an individual policy reflecting the following Limits of Liability:

Coverage A – Workers' Compensation

Liability imposed by the Workers' Compensation and/or Occupational Disease statute of the State of California or governmental authority having jurisdiction related to the work performed on the Project.

Coverage B – Employers Liability

\$1,000,000 Bodily Injury each Accident

\$1,000,000 Bodily Injury by Disease – Policy Limit

\$1,000,000 Bodily Injury by Disease – Each Employee

Contractor Deductible: None

Exclusions: The known exclusions for this coverage are listed in [Section 10.0 – Known Policy Exclusions](#). This is a summary and may not be exhaustive. The policy language may contain additional exclusionary language, limitations or carve-backs that may not be identified in the list. It is the responsibility of the Contractor/Subcontractor to review the policy for the complete details of all exclusions.

Policy Term: The master policy effective date is October 1, 2021. The policy term is three years, with automatic one-year renewals until the Project is completed. The policy is intended to remain in effect for duration of the contractor's contractual work. Warranty work and post contract repair work is excluded. The policy is intended to remain in effect for the length of the Project or the policy end date, whichever comes first.

3.2 Commercial General Liability & Excess Liability Insurance

All Enrolled Contractors/Subcontractors are considered Named Insured under SEWUP's Master General & Excess Liability policies. The Master Policies are available for review by Contractors/Subcontractors, upon request to the Owner or the Program Administrator.

Primary Coverage: Total Limits for Bodily Injury and Property Damage

\$125,000,000 Each Occurrence

\$195,000,000 General Annual Aggregate – per Policy

\$125,000,000 Products and Completed Operations Aggregate

- Ten (10) year Products and Completed Operations Extension after Notice of Completion is filed by the Owner, or date Occupancy is taken with a single non-reinstated aggregate limit.

Policy Forms: "Occurrence" Form

Contractor Deductible: None

Exclusions: This insurance does not provide coverage for products liability of any enrolled party for any product manufactured, assembled or otherwise worked upon away from the Project Site.

The known exclusions for this coverage are listed in [Section 10.0 – Known Policy Exclusions](#). This is a summary and may not be exhaustive. The policy language may contain additional exclusionary language, limitations or carve-backs that may not be identified in the list. It is the responsibility of the Contractor/Subcontractor to review the policy for the complete details of all exclusions.

Policy Term: The master policy effective date is October 1, 2021. The policy is intended to remain in effect for the length of the Project or through October 1, 2026 at 12:01am, whichever comes first.

3.3 Builder's Risk Insurance

The Builders Risk Master Policy names the Owner as named insured and enrolled Contractors/Subcontractors as additional insured's. This Master policy is available for review by Contractors/Subcontractors, upon request to the Owner or the Program Administrator.

Primary Coverage: Builders Risk coverage will be in place during the Course of Construction at the Project. Such insurance shall be written on a repair or replacement cost basis, subject to exclusions, sub limits, property limitations and conditions. The policy covers materials, supplies, equipment, fixtures, or machinery, which will become a permanent part of the building, or structure at the Project site specified, limited to policy form, policy limit, and exclusions.

Deductible: A deductible, which shall be determined by the type of construction, will apply to each occurrence. The deductible schedule is as follows:

New Construction & Renovation

- \$10,000 - \$50,000 deductible (depending on type of structure) for Wood Frame, Masonry Non-Combustible or Joisted Masonry, and Fire Resistive / Non-Combustible.
- Up to \$100,000 deductible for Water Damage to All Construction Classifications.

Contractor Deductible: Contractor/Subcontractors shall be responsible for the applicable deductible. The deductible shall apply to each occurrence and must be satisfied prior to payment of the loss. **The deductible shall not be reimbursed by the OCIP Insurance Program or the District.**

Exclusions: The known exclusions for this coverage are listed in [Section 10.0 – Known Policy Exclusions](#). This is a summary and may not be exhaustive. The policy language may contain additional exclusionary language, limitations or carve-backs that may not be identified in the list. It is the responsibility of the Contractor/Subcontractor to review the policy for the complete details of all exclusions.

Policy Term: The policy term is the term of the project.

Note:

All Contractors'/Subcontractors' shall be responsible for any loss or damage to their personal property. This would include, but is not limited to, tools, equipment, mobile construction equipment, or materials NOT intended to be a permanent part of the building, whether owned, borrowed, used, leased, or rented by any Contractor/Subcontractor. Any insurance purchased by the Contractors/Subcontractors, or self-insurance, shall be the Contractors'/Subcontractors' sole source of recovery in the event of a loss.

3.4 Contractor's Pollution Liability Insurance

Contractor's Pollution Liability is written on an "Occurrence" form under a master liability policy. This Master policy is available for review by Contractors/Subcontractors, upon request to the Owner

or the Program Administrator. Certificates of Insurance will be provided to all enrolled Contractors/Subcontractors, as named insured.

Primary Coverage: Bodily Injury or Property Damage from a pollution event as defined within the policy form resulting from covered operations or completed operations.

Limits:

\$15,000,000 Per Occurrence / \$25,000,000 Policy Aggregate
Defense costs included within limits

Deductible: \$10,000 Per Occurrence

Contractor/Subcontractor shall be liable, at its expense; to the extent claims payable are attributable to their acts or omissions and/or the acts or omissions of its Subcontractors of any tier or any other entity or person for whom it may be responsible. The deductible amount shall not be reimbursed by the OCIP Insurance Program or the District.

Exclusions: The known exclusions for this coverage are listed in [Section 10.0 – Known Policy Exclusions](#). This is a summary and may not be exhaustive. The policy language may contain additional exclusionary language, limitations or carve-backs that may not be identified in the list. It is the responsibility of the Contractor/Subcontractor to review the policy for the complete details of all exclusions.

Policy Term: The master policy effective date is October 1, 2019. The policy is intended to remain in effect for the length of the Project or through October 1, 2025 at 12:01am, whichever comes first.

3.5 OCIP Certificates

All Enrolled Contractors/Subcontractors will receive their own Workers' Compensation policy. Certificates of Insurance will be furnished for the General Liability, Excess Liability, Contractor's Pollution Liability, and Builder's Risk coverages. These policies are available for review by the Contractor/Subcontractor, upon request to the Owner or the Program Administrator. Such policies or programs may be amended from time to time and the terms of such policies or programs are incorporated herein by reference. Contractors/Subcontractors hereby agree to be bound by the terms of coverage, as contained in such insurance policies and/or self-insurance programs.

4.0 Contractor Required Insurance

For any work under this contract, and until completion and final acceptance of the work by the Owner, the Contractors/Subcontractors shall, at their own expense, promptly furnish Certificates of Insurance and an Additional Insured Endorsement acceptable to the Owner and Program Administrator. Copies should be provided to the Program Administrator via WrapPortal, for both Project Site and Off-Site operations, within ten (10) days after award of the contract to all Contractors/Subcontractors and prior to commencement of on-site activities.

All required insurance shall be maintained, without interruption, from the date of commencement of on-site activities, until the date of the final payment or expiration of any extended period. Certificates and additional insured endorsements shall provide not less than thirty (30) days prior written notice to the Program Administrator, of any material change in the insurance, cancellation or non-renewal.

The OCIP places contractors and subcontractors into one of two main categories: Enrolled Contractors or Ineligible (Excluded) Contractors.

4.1 Verification of Required Insurance Coverages

A. Enrolled Contractor/Subcontractors:

- **Certificates of Insurance** must be provided, evidencing Workers' Compensation & Employer's Liability, and General Liability, Excess/Umbrella Liability insurance for off-site activities, and Automobile Liability insurance for on and off-site activities as per the insurance specifications in the Contract.
- **Additional Insured Endorsements** for Auto Liability. These endorsements must name **the District** specifically as additional insured. If the insured's policy has a 'Blanket' Additional Insured Endorsement and cannot name any entity, provide a copy of the endorsement for our review.

B. Ineligible (Excluded) Contractors/Subcontractors:

- **Certificates of Insurance** must be provided, evidencing Workers' Compensation & Employer's Liability, General Liability, Excess/Umbrella Liability and Automobile Liability insurance for all activities including both on-site and off-site activities as per the insurance specifications in the Contract.
- **Additional Insured Endorsements** for General Liability and Auto Liability. These endorsements must name **the District** specifically as additional insured. If the insured's policy has a 'Blanket' Additional Insured Endorsement and cannot name any entity, provide a copy of the endorsement for our review.
- **Waiver of Subrogation** for Workers Compensation and General Liability in favor of the owner.

4.2 Contractor Maintained Insurance Coverage

*Indicates off-site required coverage / **Indicates off-site & on-site required coverage

A. Workers' Compensation and Employer's Liability Insurance*

- Enrolled & Ineligible/Excluded Contractors
- Required limits on Certificate of insurance are as follows:

Subcontractors

Part 1: Workers Compensation	California Statutory Benefits
Part 2: Employer's Liability	
\$1,000,000	Bodily Injury each Accident
\$1,000,000	Bodily Injury by Disease – Policy Limit
\$1,000,000	Bodily Injury by Disease – Each Employee

- Ineligible/Excluded Subcontractors must also provide **Waiver of Subrogation** for Workers Compensation in favor of the owner.

B. General Liability Insurance*

- Enrolled & Ineligible/Excluded Subcontractors
- Minimum Required limits of insurance are as follows:

General/Prime Contractor	Subcontractor	
\$2,000,000	\$1,000,000	Bodily Injury and Property Damage
\$2,000,000	\$1,000,000	Per Occurrence
\$2,000,000	\$1,000,000	General Aggregate
\$2,000,000	\$1,000,000	Products/Completed Operations Aggregate
\$2,000,000	\$1,000,000	Personal/Adv. Injury Aggregate

- It is recommended that the Designated Operations Covered by a Consolidated (Wrap-Up) Insurance Program (CG 21 31 05 09) endorsement be added to your primary general liability policy. This will ensure appropriate coverage for any off-site exposures associated with this OCIP project.

C. Automobile Liability Insurance**

- Enrolled & Ineligible/Excluded Subcontractors
- Must cover all vehicles owned by, hired by, or used on behalf of the Contractors/Subcontractors for both Project Site and off-site operations with the following minimum limits of liability:

General/Prime Contractor	Subcontractor	
\$2,000,000	\$1,000,000	Bodily Injury and Property Damage

D. Professional Liability Insurance**

- Enrolled & Ineligible/Excluded Subcontractors
- If Subcontractor's work requires design and/or design-assist services, or Subcontractor performs professional services of any kind, Subcontractor shall purchase and maintain, at its sole cost and expense, Professional Liability (Errors and Omissions) insurance for all professional services provided.
- Shall include full prior acts coverage sufficient to cover the services under this agreement, with the following minimum limits of liability:
\$2,000,000 per Claim/Annual Aggregate
- Deductible or self-insured retention amount must not be greater than \$100,000 per claim, including coverage of contractual liability.
- Must be maintained during the term of the contract and for so long as the insurance is reasonably available as provided herein, for a period of ten (10) years after completion of the services.

E. Environmental and Asbestos Abatement Coverages**

- Ineligible Subcontractors
- If Subcontractor's scope of work involves the removal of asbestos, the removal/replacement of underground tanks, or the removal of toxic chemicals and substances, the Contractor/Subcontractor will be required to provide the following minimum limits of liability, for such exposures subject to requirements and approval of the Owner:

\$2,000,000 per Claim/Aggregate

F. Aircraft or Watercraft Liability Insurance**

- If any Subcontractor requires the use of Aircraft or Watercraft at the Project Site, the Subcontractor shall purchase and maintain, or cause the operator of the Aircraft or Watercraft to purchase and maintain, Aircraft or Watercraft liability insurance.
- Must insure passengers and the General Public against personal injury, bodily injury or property damage arising out of the ownership, maintenance, use or entrustment to others.
- Includes Aircraft or Watercraft owned or operated by or rented or loaned to any insured.
- Use includes operation and “loading or unloading”. Contractor/Subcontractor will be required to provide the following minimum limits of liability, for such exposures subject to requirements and approval of the Owner:

\$5,000,000 per Claim/Aggregate

Please note, Drones are considered aircraft and coverage is expressly excluded from the OCIP policies.

4.3 Certificates of Insurance

The Project must be identified on the Certificate of Insurance in the “Description of Operations/Locations/Vehicles/Special Items” section. The Certificates of Insurance should name District, as the Certificate Holder, as specified below:

Certificate Holder:

Insert District Name

c/o Statewide Educational Wrap Up Program (SEWUP)
2355 Crenshaw Blvd., Suite 200
Torrance, CA 90501

4.4 Additional Insured Endorsements

The Owner must be specifically named on the Schedule of an Additional Insured Endorsement, under the section titled, “Name of Person or Organization”, as specified below:

- **The District, CM, Architect, Inspector, the State of California, their officers, employees, agents, volunteers and independent contractors as additional insureds.**
- All Contractors must provide an additional insured endorsement for automobile liability.
- Ineligible/Excluded Contractors must provide an additional insured endorsement on both the Automobile Liability and General Liability policies and a waiver of subrogation on workers’ compensation.

Insert District Name

c/o Statewide Educational Wrap Up Program (SEWUP)
2355 Crenshaw Blvd., Suite 200
Torrance, CA 90501

5.0 Contractor Responsibilities / Requirements

Throughout the course of the Project, Subcontractors will be responsible for reporting and maintaining certain records as outlined in this section.

All Subcontractors shall cooperate with, and require their tier Subcontractors to cooperate with, the Owner and the Program Administrator, regarding administration and operation of the OCIP. **Each Subcontractor must include this document with their bid specifications to any and all Subcontractors.**

Responsibilities of Subcontractors:

- Enrolling in the OCIP and assuring all eligible tier subcontractors promptly enroll in the OCIP, via WrapPortal, prior to the start of any work
- Complying with the provisions of the OCIP Manual and cooperating in the administration and operation of the OCIP
- Including OCIP Provisions in all subcontracts, as appropriate
- Identifying and removing from bid the cost of OCIP-provided insurance (by all eligible contractors / subcontractors)
- Providing each Subcontractor with a copy of the OCIP manual
- Providing timely evidence of insurance to the SEWUP Department via WrapPortal
- Notifying the SEWUP Department of all awarded subcontracts via WrapPortal
- Maintaining and reporting monthly payroll records (by all eligible subcontractors) via WrapPortal
- Complying with the OCIP Administrator's requests for information
- Complying with insurance, claim and safety procedures
- Notifying OCIP Administrator immediately of any insurance cancellation or non renewal of Contractor required insurance
- Complying with the OCIP insurance policy requirements, including but not limited to, physical audit of payroll records by the insurance company or its representatives.

5.1 Contractor Bids & Change Orders - Removing Insurance Costs

The Owner / School District provides insurance for all eligible, Enrolled Contractors/Subcontractors for work performed at the project site(s). The Owner pay's the insurance premiums for the OCIP coverage's described in this manual.

Contractors/Subcontractors who are eligible for enrollment in the OCIP are required to **exclude the cost of insurance that is provided by the OCIP, from its bid price** for the proposed scope of work at the project site(s).

Change orders should be priced by the Contractor / Subcontractor to exclude any costs of insurance for coverage's that are provided by the OCIP. It is the responsibility of the contractor to ensure that their subcontractors of all tiers also exclude the cost of insurance

5.2 Program Compliance

- A. Participation in the OCIP is mandatory but not automatic. An Eligible contractor is not enrolled until the Program Administrator receives and approves the following items:
- Completed Contract Enrollment, for each awarded contract, within ten (10) days of Contract Award and prior to commencement of On-site activities. Enrollments can be completed and submitted electronically visiting www.keenanwrap.com
 - Certificates of Insurance, evidencing Insurance for Workers' Compensation & General Liability coverages for **Off-Site** locations, labor, and operations
 - Certificate of Insurance, including an Additional Insured Endorsement, naming the Owner as an Additional Named Insured, for Automobile Liability for both Project Site and Off-Site operations
 - Policy Declarations pages, including proof of rates from your current policies
- B. All Contractors/Subcontractors of all tiers shall cooperate with, and require their Subcontractors to cooperate with, the Owner and the Program Administrator, in regard to the administration and operation of the OCIP.
- C. All Contractors/Subcontractors further acknowledge and agree to comply fully and promptly with such safety, loss control, and quality control rules, requirements, and directives as may from time to time be promulgated by Owner, the Program Administrator and/or the OCIP insurers or any of its or their respective consultants, agents, or representatives. Nothing in this document or any other contract document or in the Project Insurance Manual, shall be deemed to render Owner or any of its affiliates of any tier an employer of Contractor/Subcontractor or any of its Subcontractors or any of its or their personnel or employees. **Failure to comply will be considered non-performance under the contract.**

OCIP Enrollment completed through WrapPortal by the following deadline:

- Subcontractors (All Tiers): Within ten (10) days of Contract Award and prior to commencement of On-site activities
-

All questions regarding enrollment compliance should be directed to the assigned OCIP Administrator.

Any Subcontractor who enrolls in the OCIP after their start date will have to provide a No-Known-Loss Letter to the Program Administrator, along with enrollment documentation.

For any work under this contract, and until completion and final acceptance of the work by the Owner, the Subcontractors shall, at their own expense, promptly furnish Certificates of Insurance to the Program Administrator before commencing work on the Project Site. Automobile Liability Insurance must be maintained for both Project Site and off-site operations.

5.3 Confirmation of Enrollment & Evidence of OCIP Coverages

Upon review of completed enrollment, OCIP Administrator will acknowledge acceptance of the Eligible Subcontractor into the Owner's OCIP, by issuing the following to each Enrolled Party:

- Confirmation Letter

- OCIP Certificates of Insurance
- Claims Kit, including DWC1 and MPN Notices

These documents, as issued by the OCIP Administrator, will clearly identify the effective dates of the OCIP coverages for the Contract. A separate Workers' Compensation policy will be issued and sent to each Enrolled Party.

Should an Enrolled Party perform work on several contracts/projects, an Enrollment Form must be completed for each contract. The OCIP Administrator will issue confirmation letters and certificates of insurance to each Enrolled Party for each separate contract. However, only one individual Workers' Compensation policy (that will apply to all contracts/projects) will be issued to each Enrolled Party.

Note:

Verify that the Workers' Compensation effective date, listed on your OCIP Certificate of Insurance, reflect the same date as your start date.

5.4 Payroll Reporting Compliance

Project Site Monthly Payroll Report Requirements

- Project Site Monthly Payroll must be submitted to the Program Administrator by the 10th of each month via WrapPortal until the completion of the contract and in no event shall be later than the 15th of each month. Payroll shall be reported only for labor performed at the project jobsite.
- Monthly Payroll Reporting is to begin from the enrollment effective date until the completion of the contract or the policy end date.
- Should no work be performed on the Project Site during a given month, each Enrolled Party is required to submit a form stating that "Non-Performance."
- Payroll reporting must summarize the unburdened payroll by Workers' Compensation Class Code. Certified payroll is not a requirement of the OCIP and cannot be accepted.
- If Monthly Payroll Report is not submitted to Program Administrator on a monthly basis, the Construction Manager and/or Owner can withhold payment until the report is received.
- For those Enrolled Parties performing Work under multiple contracts, for each contract, a Monthly Payroll Report is required each month until contract is finalized.
- All reported project site monthly payroll reported from October through the end of September is submitted by Program Administrator to the OCIP Insurance Carrier for auditing.
- Subcontractor shall to keep and maintain accurate and classified records of their payroll for operations at the Project Site.
- A carrier audit may be performed using the reported payroll and other supporting documents. Contractor / Subcontractor agrees to cooperate with the OCIP insurance carrier(s) or their 3 party auditors by responding to and providing documents as requested in a timely manner.

Workers' Compensation Insurance Rating Bureau Requirements

- **Payroll Reporting for Each Workers' Compensation Policy Issued** - Once an Eligible Contractor/Subcontractor is enrolled into the OCIP, the Program Administrator will issue a separate Workers' Compensation Policy. All Enrolled Subcontractors will need to comply with the rules and regulations of the California Workers Compensation Insurance Rating Bureau (WCIRB). This requires each Enrolled Party to maintain payroll records for each Contract under the policy issued. Such records will allocate the payroll by Workers' Compensation classification(s) and exclude the excess or premium paid for overtime (i.e., only the straight-time rate will apply to overtime hours worked).
- **Insurance Company Payroll Audit** - Each Enrolled Party must properly classify payrolls, as these are reported to the rating bureau for calculation of future Experience Modifiers for the Enrolled Party's firm. All Enrolled Parties shall make available for inspection and copying their respective company books, vouchers, contracts, documents, and records, of any and all types, for physical inspection by the auditors of the OCIP insurance carrier(s) or Owner's representatives. Availability of records must be for a reasonable time during the policy period, any extension, or during a final audit period, as required by the OCIP Insurance Policies.

5.5 Contract Completion / Closeout Compliance

A. Contractor's Completion Notice

- Contractor's Completion Notice must be submitted to the Program Administrator via WrapPortal, (www.keenanwrap.com) upon completion of contract work at the Project Site, which includes punch list items, but not warranty or service contract work.
- This form evidences all enrolled Contractors'/Subcontractors' actual start and completion dates, per each contract.
- Completion Notice information is reported to OCIP Insurance carrier to confirm coverage and payroll reporting requirements has ended for the contract.

6.0 Safety

It is the responsibility of each Subcontractor to maintain an environment free of recognized hazards. All Subcontractors shall exercise reasonable care to prevent work-related injuries; property and equipment damage at the Project, as well as minimize risk to the public and third-party property.

In the event of an accident, it shall be the responsibility of the employing and/or responsible Subcontractor to see that injured workers or members of the public are provided immediate medical treatment. All appropriate medical and claim forms must be filed in accordance with the claim procedures developed for this Project by Keenan & Associates, hereinafter called "Program Administrator." This includes notification to the appropriate state authorities, if necessary.

The Program Administrator shall conduct periodic loss control surveys on behalf of the District. These surveys will focus on evaluating the Subcontractors' efforts to minimize loss, assist in identifying loss exposures, and to recommend appropriate corrective measures. The Program Administrator is a resource to supplement the safety and loss prevention activity of Subcontractors. Its loss control survey activities or other activities of the Program Administrator and/or OCIP insurers do not in any way relieve the Contractors/Subcontractors of their responsibilities for Project safety.

6.1 Occupational Safety and Health Compliance

All Subcontractors are expected to comply with all applicable local, state, and federal occupational safety and health. If additional safety and health requirements are set forth in the contract specifications, all contractors shall comply with these requirements

In addition local, state, and federal occupational safety and health laws, the following standards apply to all OCIP Enrolled and Non-Enrolled Contractors/Subcontractors.

6.2 Safety Orientation

- a. Subcontractor employees shall be provided with a project specific safety orientation prior the start of the project. At a minimum, the orientation will address the following items:
 - i. The District's site safety requirements.
 - ii. Site specific safety hazards and protective measures for these hazards.
 - iii. Emergency telephone numbers and procedures.
 - iv. Local medical clinic/hospital information within the Medical Provider Network (MPN).

6.3 Program Management

- a. Each Subcontractors shall have the following safety programs:
 - i. Injury and Illness Prevention Plans
 - ii. Hazard Communication Programs
 - iii. Heat Illness Prevention Plans
- b. Each Contractor/Subcontractor shall have an onsite competent person responsible for occupational safety and health. A competent person is one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

6.4 Site Safety

According to industry practices, it is the responsibility of contractors of all tiers to exercise reasonable care to prevent work-related injuries; property and equipment damage at the project site, as well as minimize risk to the third-party persons and property. Subcontractors of all tiers shall be expected to comply with the following safety and loss control requirements:

- a. All Subcontractors shall identify their contact person(s) to the General or Prime Contractor.
- b. All Contractors/Subcontractors shall follow District procedures for dealing with the media.
- c. At all times, hard hats shall be worn in the construction environment. Hard hats shall meet the requirements of ANSI Z89.1. No modification to the shell or suspension is allowed except when such changes are approved by the manufacturer.
- d. 100% protective eyewear with side shield protection is required while in the construction environment, shop, or anytime eye hazards exist. Protective eyewear shall bear a legible and permanent "Z87" logo to indicate compliance with applicable ANSI/ASSE Standard.

- e. All construction employees shall wear clothing suitable for the weather and work conditions. At a minimum, this shall be short sleeved shirts, long pants, and leather or other protective work shoes or boots.
- f. Alcohol is prohibited on District property at all times.
- g. Contractors/Subcontractors will be required to respond to all District complaints about objectionable levels of dust or noise and will be required to provide prompt and appropriate abatement.
- h. Construction personnel cannot enter District grounds other than the construction site unless accompanied by District personnel and are allowed only “incidental” contact with students. Violations of these requirements by any construction employee will result in a mandatory background check of that employee – including fingerprinting – as required by state law.
- i. All prime contractors must attend the site-specific pre-construction meeting.
- j. No sexual reference or preference shall be permitted on any piece of clothing or the hardhat. Any employee observed disregarding this policy shall be removed from the job site until further notice.
- k. Contractors and subcontractors at all times shall keep premises free from debris such as waste, rubbish, and excess materials and equipment caused by contract work. Contractors and subcontractors shall not leave debris under, in, or about the premises. Upon completion of the contract work, contractors and subcontractors shall clean the interior and exterior of the building or improvement including fixtures, equipment, walls, floors, ceilings, roofs, window sills and ledges, horizontal projections, and any areas where debris has collected so surfaces are free from foreign material or discoloration. Contractors and subcontractors shall clean and polish all glass, plumbing fixtures, and finish hardware and similar finish surfaces and equipment and contractor shall also remove temporary fencing, barricades, planking and construction toilet and similar temporary facilities from the site. No glass containers are permitted on the site.
- l. Theft or willful damage to any property of the District, student, or other contractors will be prosecuted fully.
- m. All Contractors/Subcontractors will advise non-English speaking employees in their native language either in a written format or via an interpreter of these policies.

6.5 Mandatory 6’ Fall Protection

- a. Contractor/Subcontractor employees shall be protected from fall exposures of 6 feet or greater. Activities include but are not limited to:
 - i. Steel erection
 - ii. Decking
 - iii. Roofing
 - iv. Framing
 - v. Scaffold work
 - vi. Work performed from ladders
- b. The following exceptions apply only to framers and wood frame activities:
 - i. When installing or “rolling” the joists, Cal/OSHA fall protection requirements shall govern.
 - ii. When framers are walking/working on securely braced joists, rafters, or roof trusses on center spacing not exceeding 24 inches, and more than 6’ from an

unprotected side or edge, they shall be considered protected from falls between the joists, rafters, or roof trusses

- c. A safety monitor as means of fall protection is prohibited.
- d. Ladder jacks, lean-to, and prop-scaffolds are prohibited.
- e. Contractor/Subcontractors are required to provide training to their employees who might be exposed to a fall hazard prior to the exposure or upon hiring. This training shall be documented and available for review.
- f. Methods of fall protection include but are not limited to the following:
 - i. Railings
 - ii. Covers for Floor, Roof, and Wall Openings
 - iii. Personal Fall Arrest Systems, Personal Fall Restraint Systems, and Positioning Devices
 - iv. Controlled Access Zones
- g. The design and construction of railings shall conform to the Cal/OSHA Construction Safety Orders.
- h. The use of wire ropes as top rails and intermediate rails of guardrail systems used for perimeter protection, or at interior openings such as stairways and elevator shafts, shall be installed in accordance with Cal/OSHA requirements. Additionally, wire ropes shall be secured to each support and taut at all times. The maximum deflection of the top rail when a load of 200 pounds is applied in any direction at any point of the top rail shall not exceed 3 inches in one direction which includes the free hanging sag in the wire rope.
- i. The minimum parapet height allowed for fall protection is 42 inches or greater.
- j. Covers used to cover floor, roof, and wall openings shall be secured in place to prevent accidental removal or displacement and shall be marked in accordance with Cal/OSHA Construction Safety Orders.
- k. Covers used to cover floor and roof openings shall be capable of safely supporting the greater of 400 pounds or twice the weight of the employees, equipment and materials that may be imposed on any one square foot area of the cover at any time.
- l. Controlled access zones shall be defined by a control line or other means that restricts access. Each line shall have a minimum breaking strength of 200 pounds. Signs shall be posted to warn unauthorized employees to stay out of the controlled access zone.
- m. Control lines shall consist of ropes, wires, tapes, or equivalent materials. Control lines shall be erected and supported in accordance with Cal/OSHA Construction Safety Orders.
- n. Scaffold Access/Egress. An internal ladder system with hatches and drop-down ladders or temporary stairs shall be provided for safe access/egress on all scaffolds 20 feet or greater in height. External straight ladders are prohibited on all scaffolds if it exposes a user to a fall of 20 feet or greater in height.

6.6 Crane Safety

- a. In accordance with Title 8, California Code of Regulations, section 5006.1, employers shall only permit operators who have a valid certificate (license) of competency to operate cranes. The operator shall have his license on his person, readily available for review.

- b. All cranes used in lifting service, exceeding 3 tons rated capacity, and their accessory gear shall not be used until the employer has ascertained that such equipment has been certificated in accordance with Cal/OSHA as evidenced by current and valid documents. Certificates (annual and quadrennial) attesting to current compliance with testing and examination standards shall be maintained, readily available for each crane.
- c. The contractor shall provide an erection plan and procedure for erection of trusses and beams over 25 feet long. The erection plan and procedure shall be prepared by a civil engineer currently registered in California. This plan and procedure shall be followed and kept available on the job site.

6.7 Fire Prevention During Welding, Cutting, and Other Hot Work

- a. Contractors engaged in welding and allied processes, heat treating, grinding, cutting, thawing pipe, powder-driven fasteners, hot riveting, torch-applied roofing in conjunction with the requirements of NFPA 241, and similar applications producing or using a spark, flame, or heat shall adhere to National Fire Protection Association Standard 51B entitled "Standard for Fire Prevention During Welding, Cutting, and Other Hot Work."

6.8 Incident Investigation Requirements

- a. The contractor shall perform thorough, in-depth investigations and evaluations of all incidents. A formal incident investigation shall be conducted whenever any incident occurs, including, without limitation, both non-injury incidents and incidents involving first aid. Additionally, near miss accidents and/or incidents must be reported and undergo the same in-depth investigation, root cause analysis and lessons learned process. The incident investigation report shall be e-mailed to Keenan and Associates within 5 working days.
- b. Recommendations and lessons learned to prevent recurrence of incidents shall be documented and communicated to all employees of contractor and subcontractors through safety meetings

6.9 Return to Work:

The District and OCIP Carrier are committed to working with all Enrolled Contractors and Subcontractors to promote the successful & timely return to work of injured employees following a work-related injury. The purpose of this policy is to ensure that Enrolled Contractor/Subcontractor employees who temporarily cannot return to their normal duties due to job-related injury or illness but can safely perform transitional duties while recovering is offered appropriate transitional duties for a limited time only.

- a. An employee who has experienced a job-related injury requiring medical treatment must provide a proper medical release prior to returning to work.
- b. An employee who has been removed from the jobsite ambulatory must provide a proper medical release prior to returning to work.
- c. Each Enrolled Contractor/Subcontractor will cooperate with the OCIP Carrier to facilitate the return to work of any injured employee capable of safely performing transitional duties.

- d. When the employee is released to transitional duties, it is the Enrolled Contractor/Subcontractor's responsibility to facilitate the injured employee's return to work.
- e. The Enrolled Contractor/Subcontractor is fully expected to accommodate the injured employee and facilitate the return to work.
- f. It will be the responsibility of the Insurance Carrier's Adjuster to maintain communication with the treating physician and the Enrolled Contractor/Subcontractor to facilitate the prompt return of an employee to full work status.

6.10 Conflicting Safety Requirements:

The District and SEWUP OCIP program place a very high value on project safety. Each may have their own safety requirements that are very similar in nature. However, in the event the requirements are in conflict or one is silent on a particular matter, then the requirement affording the greatest of amount protection will control. For example, if the District's Safety Program Requirements do not mandate 6' Fall Protection, then Section "6.5 Mandatory 6' Fall Protection" contained in the SEWUP Project Insurance Manual will control.

6.11 Noncompliance and Unsafe Practices

Owner or their representative shall have the authority to immediately cease any and all operation (s) on the jobsite that is deemed by Owner or their representative to be unsafe to property or has the potential to cause Bodily Injury, pursuant to Title VIII California Code of Regulation, Section 1511. Any such cession of work shall not constitute recoverable delay or other contractual remedies for liquidated damages and may expose the offending contractor to any such losses to the District or other trades.

6.12 Professional Conduct Clause

Contractors and subcontractors shall at all times adhere to safety requirements (contractual and regulatory) and shall encourage safe and professional behavior among their employees. Contractor and subcontractors shall not allow on the job site any unfit person, unsafe person, anyone unskilled and unqualified to perform the work assigned to them, or anyone exhibiting such qualities. Any person in the employ of the contractor or subcontractor whom the District or the District's agent/representative may deem incompetent, unsafe, or unfit shall be immediately dismissed from the OCIP job site and shall not again be allowed on the OCIP the job site except with the written consent of District or the District's agent/representative. The District reserves the right to request that the contractor or subcontractor's assigned Project Supervisor/Manager be replaced immediately.

7.0 Claims Reporting

Accident/Claims Reporting Procedures - Overview

This section describes the basic procedures for reporting SEWUP claims: Workers' Compensation, General Liability, Pollution Liability, and Damage to the Project (Builders Risk).

The OCIP Administrator provides an Accident Claims Reporting Guide to Enrolled Contractors and Subcontractors. The Accident Claims Reporting Guide provides instructions and

necessary information for reporting a claim, including policy numbers and site location codes. **This manual includes the required claim forms and postings.** Additional claim forms can be obtained from the OCIP Administrator upon request.

7.1 Workers' Compensation Claim Reporting & Procedures

If the injury requires a doctor (or medical office) visit or involves lost time, please follow the procedures listed below.

Contractors'/Subcontractors' on-site personnel must follow these procedures if any employee is involved in an accident or occurrence resulting in bodily injury or death:

The main responsibility for any Contractor and Subcontractor is first to see that the injured worker receives immediate medical care. Immediately contact 911 for any serious, traumatic, and life-threatening injuries.

If an employee reports a work injury or illness that is minor and does not require a doctor visit or time off from work, the supervisor should refer the employee to the nearest **First Aid Treatment** available at the jobsite.

Call Liberty Mutual Insurance Company at **1-800-362-0000** or email them at CLclaimsreports@libertymutual.com to report the injury. Access the Workers' Compensation Claim Kit, sent to you by the Program Administrator, which contains forms to be completed by employee and employer, as well as accident reporting guidelines. Have the following items ready when reporting the claim:

- **SEWUP Workers' Compensation Policy Number (Provided at time of enrollment)**
- **SEWUP Site Location Code**

Medical Provider Network (MPN)

Liberty Mutual Insurance, the Statewide Educational Wrap Up Program's insurance carrier, has implemented the following Medical Provider Network (MPN):

Liberty Mutual Insurance MPN

The above MPN is to be utilized for the medical treatment of injured employees, unless the employee has pre-designated their medical provider prior to the date of loss. In emergency situations, it is always recommended that the injured worker be treated at an emergency medical facility first, and then sent to a physician in the Medical Provider Network (MPN).

MPN Regulations & Guidelines:

- California MPN rules and regulations require that the injured worker must receive the Full Written MPN Notification when an injury is reported, or at the time of injury. The English version is given to English speaking employees and the Spanish version is given to Spanish speaking employees. The Full Written MPN Notification must also be given to the injured worker when changing to and transferring open claims to the Gallagher Bassett Platinum MPN.
- The MPN regulations are silent about Employee Acknowledgement Letters. As an employer, you have the right to use acknowledgement letters for your employees to sign when you give your employee the Full Written MPN Notification.
- An MPN Panel Card shall be posted at SEWUP Project Jobsite, Displaying the Name, Address and a Map of Designated Medical Clinic close to the jobsite.

- **For locating participating medical providers** within the Liberty Mutual Insurance MPN, use your Internet Browser to access the below website, which will provide links for locating a medical provider within the network by specialty and by location,

<https://lmi.co/LMnetworks>

State Required Workers' Compensation Forms

The Labor Code requires that an employee report any injury immediately to the employer. There are essential requirements for both the employer and employee to perform, once the injury has actually been reported.

The Labor Code provides for possible penalties to be assessed if the following time lines are not met:

- Provision of the Employee Claim Form, DWC-1; report within one (1) working day of the employer's knowledge of a disability or injury beyond first aid. Each employer is responsible for providing this form to an injured employee. Should the employee not be available for hand delivery, mail the DWC-1 to the employee at their home address.
- Provision of the Employer's Report of Injury, Form 5020; report, within five (5) days of knowledge, every occupational injury or illness which results in lost time beyond the date of the incident, or requires medical treatment at a medical facility. In addition, every serious illness/injury or death must be reported immediately by telephone or fax to the nearest office of the California Division of Occupational Safety and Health.

7.2 General Liability Claim Reporting

Contractors/Subcontractor must immediately report all known or suspected First Party, Third Party or Pollution Liability incidents occurring at the Project Site involving bodily injury, death, or any damage to property to the following:

- Keenan & Associates - **1-310-212-0363 x.2011**. Have the following information ready when reporting claim
 - SEWUP **General Liability Policy Number**
 - SEWUP **Site Location Code**
- Program Administrator (SEWUP) – Email: SEWUP@keenan.com, Phone: (800) 654-8102. Notice of Occurrence - Accident/Incident Report may be email or faxed.

Note:

Always take appropriate emergency measures to prevent additional injury or damage, including contacting police and fire authorities as required by law.

7.3 Builder's Risk Claim Reporting

Contractors/Subcontractors must immediately report all property damage to your work or work of any other Contractor/Subcontractor at the Project Site, to the following:

- Keenan & Associates - **1-310-212-0363 x.2011** Ace USA Property Claims – Email: Propertyfirstnotices@acegroup.com, Phone: (800) 433-0385, or Fax: (302) 467-7855
- Program Administrator (SEWUP) – Email: SEWUP@keenan.com, Phone: (800) 654-8102.

Note:

Always take appropriate emergency measures to prevent additional injury or damage, including contacting police and fire authorities as required by law.

7.4 Contractor's Pollution Liability Claim Reporting

Contractors/Subcontractors must immediately report all third party accidents related to a known or suspected pollution incident at the Project Site involving bodily injury, death, or any damage to property to the following:

- Keenan & Associates - 1-310-212-0363 x.2011. Arch Specialty Insurance - Telephonic Reporting - 1-877-265-5186
- Program Administrator (SEWUP) – Email: SEWUP@keenana.com, Phone: (800) 654-8102.

7.5 Automobile Claim Reporting

NO coverage is provided for automobile accidents under the OCIP. It is the sole responsibility of each Contractor and Subcontractor to report claims involving their automobiles to their own insurance carrier.

7.6 Instructions and Procedures – Litigation Papers, Legal Documents, etc.

If your firm is served with a lawsuit arising out of your involvement with the Owner's Project, or if receipt of litigation papers or legal documents is your first notice of a claim, forward to the following:

- Program Administrator (SEWUP) – Email: SEWUP@keenana.com, Phone: (800) 654-8102

7.7 Investigation Assistance/Confirmation of Claim Receipt

All Contractors/Subcontractors will assist in the investigation of any accident or occurrence involving injury to persons or property. All Contractors/Subcontractors must cooperate with the companies involved in adjusting any claim by securing and giving evidence and obtaining the participation and attendance of witnesses required for the investigation and defense of any claim or suit.

Upon receipt of the claim or incident from the Contractor, the respective OCIP insurance carrier will send a claims acknowledgment letter with the assigned claims file number. Always cooperate with the Owner or the OCIP insurer representatives in the accident investigation.

8.0 Required Project Forms

- 8.1 First Report of Injury (5020)
- 8.2 Workers' Compensation Claim Form (DWC-1)
- 8.3 Notice of Occurrence - Accident/Incident Report – General Liability, Pollution, Builders Risk

8.1 First Report of Injury (5020)

District Name: _____

Project Name: _____

State of California EMPLOYER'S REPORT OF OCCUPATIONAL INJURY OR ILLNESS		PLEASE COMPLETE (TYPE, IF POSSIBLE). MAIL TWO COPIES TO:		OSHA CASE NO.	
				<input type="checkbox"/> FATALITY	
Any person who makes or causes to be made any knowingly false or fraudulent material statement or material representation for the purpose of obtaining or denying workers compensation benefits or payments of guilty of a felony.		NOTICE: California law requires employers to report within five days of knowledge every occupational injury or illness which results in lost time beyond the date of the incident OR requires medical treatment beyond first aid. If an employee subsequently dies as a result of a previously reported injury or illness, the employer must file within five days of knowledge an amended report indicating death. In addition, every serious illness/injury or death must be reported immediately by telephone or telegraph to the nearest office of the California Division of Occupational Safety and Health			
EMPLOYER	1. FIRM NAME			1A. POLICY NUMBER	
	2. MAILING ADDRESS (Number and Street, City, ZIP)			2A. PHONE NUMBER	
	3. LOCATION, IF DIFFERENT FROM MAILING ADDRESS (Number and Street, City, ZIP)			3A. LOCATION CODE	
	4. NATURE OF BUSINESS, e.g., painting contractor, wholesale grocer, sawmill, hotel, etc.			5. STATE UNEMPLOYMENT INSURANCE ACCT NUMBER	
	6. TYPE OF EMPLOYER <input type="checkbox"/> PRIVATE <input type="checkbox"/> STATE <input type="checkbox"/> CITY <input type="checkbox"/> COUNTY <input type="checkbox"/> SCHOOL DIST. <input type="checkbox"/> OTHER GOV. - SPECIFY _____				
	7. EMPLOYEE NAME			8. SOCIAL SECURITY NUMBER	
EMPLOYEE	10. HOME ADDRESS (Number and Street, City, ZIP)			9. DATE OF BIRTH (mm dd yy)	
	11. SEX <input type="checkbox"/> MALE <input type="checkbox"/> FEMALE			12. OCCUPATION (Regular job title - NO initials, abbreviations or numbers)	
	14. EMPLOYEE USUALLY WORKS hours per day _____ days per week _____ total wkly. hrs _____			14A. EMPLOYMENT STATUS (check applicable status at time of injury) regular full-time _____ part time _____ temp. _____ seasonal _____	
	15. GROSS WAGES/SALARY \$ _____ PER _____			14B. Under what class code of your policy were wages assigned	
	17. DATE OF INJURY OR ONSET OF ILLNESS (mm dd yy)			18. TIME INJURY/ILLNESS OCCURRED A.M. _____ P.M. _____	
	21. UNABLE TO WORK FOR AT LEAST ONE FULL DAY AFTER DATE OF INJURY <input type="checkbox"/> YES <input type="checkbox"/> NO			20. IF EMPLOYEE DIED, DATE OF DEATH (mm dd yy)	
INJURY OR ILLNESSES	25. PAID FULL WAGES FOR DAY OF INJURY OR LAST DAY WORKED <input type="checkbox"/> YES <input type="checkbox"/> NO			22. DATE LAST WORKED (mm dd yy)	
	26. SALARY BEING CONT'D? <input type="checkbox"/> YES <input type="checkbox"/> NO			23. DATE RETURNED TO WORK (mm dd yy)	
	29. SPECIFIC INJURY/ILLNESS AND PART OF BODY AFFECTED, MEDICAL DIAGNOSIS, if available, e.g., second degree burns on right arm, tendonitis of left elbow, lead poisoning			24. IF STILL OFF WORK CHECK THIS BOX <input type="checkbox"/>	
	30. LOCATION WHERE EVENT OR EXPOSURE OCCURRED (Number and Street, City)			27. DATE OF EMPLOYER'S KNOWLEDGE NOTICE OF INJURY/ILLNESS (mm dd yy)	
	31. DEPARTMENT WHERE EVENT OR EXPOSURE OCCURRED, e.g. shipping department, machine shop.			28. DATE EMPLOYEE WAS PROVIDED EMPLOYEE CLAIM FORM (mm dd yy)	
	33. EQUIPMENT, MATERIALS AND CHEMICALS THE EMPLOYEE WAS USING WHEN EVENT OR EXPOSURE OCCURRED, e.g., acetylene, welding torch, farm tractor, scaffold			30B. ON EMPLOYER'S PREMISES <input type="checkbox"/> YES <input type="checkbox"/> NO	
34. SPECIFIC ACTIVITY THE EMPLOYEE WAS PERFORMING WHEN EVENT OR EXPOSURE OCCURRED, e.g., welding seams of metal forms, loading boxes into truck			32. OTHER WORKERS INJURED/ILL IN THIS EVENT? <input type="checkbox"/> YES <input type="checkbox"/> NO		
35. HOW INJURY/ILLNESS OCCURRED. DESCRIBE SEQUENCE OF EVENTS SPECIFY OBJECT OR EXPOSURE WHICH DIRECTLY PRODUCED THE INJURY/ILLNESS (e.g., worker stepped back to inspect work and slipped on scrap material. As he fell, he brushed against fresh weld and burned right hand). USE SEPARATE SHEET IF NECESSARY					
36. NAME AND ADDRESS OF PHYSICIAN (Number and Street, City, ZIP)				36A. PHONE NUMBER	
37. IF HOSPITALIZED AS AN INPATIENT, NAME AND ADDRESS OF HOSPITAL (Number and Street, City, ZIP)				37A. PHONE NUMBER	
COMPLETED BY (type or print)		SIGNATURE		TITLE	
				DATE	

8.2 Workers' Compensation Claim Form (DWC-1)

Formulario de Reclamo de Compensación para Trabajadores (DWC 1) y Notificación de Posible Elegibilidad

If you are injured or become ill, either physically or mentally, because of your job, including injuries resulting from a workplace crime, you may be entitled to workers' compensation benefits. Attached is the form for filing a workers' compensation claim with your employer. **You should read all of the information below.** Keep this sheet and all other papers for your records. You may be eligible for some or all of the benefits listed depending on the nature of your claim. If required you will be notified by the claims administrator, who is responsible for handling your claim, about your eligibility for benefits.

To file a claim, complete the "Employee" section of the form, keep one copy and give the rest to your employer. Your employer will then complete the "Employer" section, give you a dated copy, keep one copy and send one to the claims administrator. Benefits can't start until the claims administrator knows of the injury, so complete the form as soon as possible.

Medical Care: Your claims administrator will pay all reasonable and necessary medical care for your work injury or illness. Medical benefits may include treatment by a doctor, hospital services, physical therapy, lab tests, x-rays, and medicines. Your claims administrator will pay the costs directly so you should never see a bill. For injuries occurring on or after 1/1/04, there is a limit on some medical services.

The Primary Treating Physician (PTP) is the doctor with the overall responsibility for treatment of your injury or illness. Generally your employer selects the PTP you will see for the first 30 days, however, in specified conditions, you may be treated by your pre-designated doctor. If a doctor says you still need treatment after 30 days, you may be able to switch to the doctor of your choice. Special rules apply if your employer offers a Health Care Organization (HCO) or after 1/1/05, has a medical provider network. Contact your employer for more information. If your employer has not put up a poster describing your rights to workers' compensation, you may choose your own doctor immediately.

Within one working day after an employee files a claim form, the employer shall authorize the provision of all treatment, consistent with the applicable treating guidelines, for the alleged injury and shall continue to provide treatment until the date that liability for the claim is accepted or rejected. Until the date the claim is accepted or rejected, liability for medical treatment shall be limited to ten thousand dollars (\$10,000).

Disclosure of Medical Records: After you make a claim for workers' compensation benefits, your medical records will not have the same privacy that you usually expect. If you don't agree to voluntarily release medical records, a workers' compensation judge may decide what records will be released. If you request privacy, the judge may "seal" (keep private) certain medical records.

Payment for Temporary Disability (Lost Wages): If you can't work while you are recovering from a job injury or illness, you will receive temporary disability payments. These payments may change or stop when your doctor says you are able to return to work. These benefits are tax-free. Temporary disability payments are two-thirds of your average weekly pay, within minimums and maximums set by state law. Payments are not made for the first three days you are off the job unless you are hospitalized overnight or cannot work for more than 14 days.

Si Ud. se lesiona o se enferma, ya sea física o mentalmente, debido a su trabajo, incluyendo lesiones que resulten de un crimen en el lugar de trabajo, es posible que Ud. tenga derecho a beneficios de compensación para trabajadores. Se adjunta el formulario para presentar un reclamo de compensación para trabajadores con su empleador. **Ud. debe leer toda la información a continuación.** Guarde esta hoja y todos los demás documentos para sus archivos. Es posible que usted reúna los requisitos para todos los beneficios, o parte de éstos, que se enumeran, dependiendo de la índole de su reclamo. Si se requiere, el/la administrador(a) de reclamos, quien es responsable del manejo de su reclamo, le notificará a usted, lo referente a su elegibilidad para beneficios.

Para presentar un reclamo, complete la sección del formulario designada para el "Empleado", guarde una copia, y déle el resto a su empleador. Entonces, su empleador completará la sección designada para el "Empleador", le dará a Ud. una copia fechada, guardará una copia, y enviará una al/a la administrador(a) de reclamos. Los beneficios no pueden comenzar hasta, que el/la administrador(a) de reclamos se entere de la lesión, así que complete el formulario lo antes posible.

Atención Médica: Su administrador(a) de reclamos pagará toda la atención médica razonable y necesaria, para su lesión o enfermedad relacionada con el trabajo. Es posible que los beneficios médicos incluyan el tratamiento por parte de un médico, los servicios de hospital, la terapia física, los análisis de laboratorio y las medicinas. Su administrador(a) de reclamos pagará directamente los costos, de manera que usted nunca verá un cobro. Para lesiones que ocurren en o después de 1/1/04, hay un límite de visitas para ciertos servicios médicos.

El Médico Primario que le Atiende-Primary Treating Physician **PTP** es el médico con toda la responsabilidad para dar el tratamiento para su lesión o enfermedad. Generalmente, su empleador selecciona al PTP que Ud. verá durante los primeros 30 días. Sin embargo, en condiciones específicas, es posible que usted pueda ser tratado por su médico pre-designado. Si el doctor dice que usted aún necesita tratamiento después de 30 días, es posible que Ud. pueda cambiar al médico de su preferencia. Hay reglas especiales que son aplicables cuando su empleador ofrece una Organización del Cuidado Médico (HCO) o después de 1/1/05 tiene un Sistema de Proveedores de Atención Médica. Hable con su empleador para más información. Si su empleador no ha colocado un poster describiendo sus derechos para la compensación para trabajadores, Ud. puede seleccionar a su propio médico inmediatamente.

El empleador autorizará todo tratamiento médico consistente con las directivas de tratamiento aplicables a la lesión o enfermedad, durante el primer día laboral después que el empleado efectúa un reclamo para beneficios de compensación, y continuará proveyendo este tratamiento hasta la fecha en que el reclamo sea aceptado o rechazado. Hasta la fecha en que el reclamo sea aceptado o rechazado, el tratamiento médico será limitado a diez mil dólares (\$10,000).

Divulgación de Expedientes Médicos: Después de que Ud. presente un reclamo para beneficios de compensación para los trabajadores, sus expedientes médicos no tendrán la misma privacidad que usted normalmente espera. Si Ud. no está de acuerdo en divulgar voluntariamente los expedientes médicos, un(a) juez de compensación para trabajadores posiblemente decida qué expedientes se revelarán. Si Ud. solicita privacidad, es posible que el/la juez "selle" (mantenga privados) ciertos expedientes médicos.

Pago por Incapacidad Temporal (Sueldos Perdidos): Si Ud. no puede trabajar, mientras se está recuperando de una lesión o enfermedad relacionada con el trabajo, Ud. recibirá pagos por incapacidad temporal. Es posible que estos pagos cambien o paren, cuando su médico diga que Ud. está en condiciones de regresar a trabajar. Estos beneficios son libres de impuestos. Los pagos por incapacidad temporal son dos tercios de su pago semanal promedio, con cantidades mínimas y máximas establecidas por las leyes estatales. Los pagos no se hacen durante los primeros tres



Return to Work: To help you to return to work as soon as possible, you should actively communicate with your treating doctor, claims administrator, and employer about the kinds of work you can do while recovering. They may coordinate efforts to return you to modified duty or other work that is medically appropriate. This modified or other duty may be temporary or may be extended depending on the nature of your injury or illness.

Payment for Permanent Disability: If a doctor says your injury or illness results in a permanent disability, you may receive additional payments. The amount will depend on the type of injury, your age, occupation, and date of injury.

Vocational Rehabilitation (VR): If a doctor says your injury or illness prevents you from returning to the same type of job and your employer doesn't offer modified or alternative work, you may qualify for VR. If you qualify, your claims administrator will pay the costs, up to a maximum set by state law. VR is a benefit for injuries that occurred prior to 2004.

Supplemental Job Displacement Benefit (SJDB): If you do not return to work within 60 days after your temporary disability ends, and your employer does not offer modified or alternative work, you may qualify for a nontransferable voucher payable to a school for retraining and/or skill enhancement. If you qualify, the claims administrator will pay the costs up to the maximum set by state law based on your percentage of permanent disability. SJDB is a benefit for injuries occurring on or after 1/1/04.

Death Benefits: If the injury or illness causes death, payments may be made to relatives or household members who were financially dependent on the deceased worker.

It is illegal for your employer to punish or fire you for having a job injury or illness, for filing a claim, or testifying in another person's workers' compensation case (Labor Code 132a). If proven, you may receive lost wages, job reinstatement, increased benefits, and costs and expenses up to limits set by the state.

You have the right to disagree with decisions affecting your claim. If you have a disagreement, contact your claims administrator first to see if you can resolve it. If you are not receiving benefits, you may be able to get State Disability Insurance (SDI) benefits. Call State Employment Development Department at (800) 480-3287.

You can obtain free information from an information and assistance officer of the State Division of Workers' Compensation, or you can hear recorded information and a list of local offices by calling (800) 736-7401. You may also go to the DWC web site at www.dir.ca.gov. Link to Workers' Compensation.

You can consult with an attorney. Most attorneys offer one free consultation. If you decide to hire an attorney, his or her fee will be taken out of some of your benefits. For names of workers' compensation attorneys, call the State Bar of California at (415) 538-2120 or go to their web site at www.californiaspecialist.org.

is en que Ud. no trabaje, a menos que Ud. sea hospitalizado(a) de noche, o no pueda trabajar durante más de 14 días.

Regreso al Trabajo: Para ayudarle a regresar a trabajar lo antes posible, Ud. debe comunicarse de manera activa con el médico que le atiende, el/la administrador(a) de reclamos y el empleador, con respecto a las clases de trabajo que Ud. puede hacer mientras se recupera. Es posible que ellos coordinen esfuerzos para regresarle a un trabajo modificado, o a otro trabajo, que sea apropiado desde el punto de vista médico. Este trabajo modificado, u otro trabajo, podría extenderse o no temporalmente, dependiendo de la índole de su lesión o enfermedad.

Pago por Incapacidad Permanente: Si el doctor dice que su lesión o enfermedad resulta en una incapacidad permanente, es posible que Ud. reciba pagos adicionales. La cantidad dependerá de la clase de lesión, su edad, su ocupación y la fecha de la lesión.

Rehabilitación Vocacional: Si el doctor dice que su lesión o enfermedad no le permite regresar a la misma clase de trabajo, y su empleador no le ofrece trabajo modificado o alterno, es posible que usted reúna los requisitos para rehabilitación vocacional. Si Ud. reúne los requisitos, su administrador(a) de reclamos pagará los costos, hasta un máximo establecido por las leyes estatales. Este es un beneficio para lesiones que ocurrieron antes de 2004.

Beneficio Suplementario por Desplazamiento de Trabajo: Si Ud. No vuelve al trabajo en un plazo de 60 días después que los pagos por incapacidad temporal terminan, y su empleador no ofrece un trabajo modificado o alterno, es posible que usted reúna los requisitos para recibir un vale no-transferible pagadero a una escuela para recibir un Nuevo entrenamiento y/o mejorar su habilidad. Si Ud. reúne los requisitos, el administrador(a) de reclamos pagará los costos hasta un máximo establecido por las leyes estatales basado en su porcentaje de incapacidad permanente. Este es un beneficio para lesiones que ocurren en o después de 1/1/04.

Beneficios por Muerte: Si la lesión o enfermedad causa la muerte, es posible que los pagos se hagan a los parientes o a las personas que vivan en el hogar, que dependían económicamente del/de la trabajador(a) difunto(a).

Es ilegal que su empleador le castigue o despida, por sufrir una lesión o enfermedad en el trabajo, por presentar un reclamo o por atestiguar en el caso de compensación para trabajadores de otra persona. (El Código Laboral sección 132a). Si es probado, puede ser que usted reciba pagos por pérdida de sueldos, reposición del trabajo, aumento de beneficios, y gastos hasta un límite establecido por el estado. Ud. tiene derecho a estar en desacuerdo con las decisiones que afecten su reclamo. Si Ud. tiene un desacuerdo, primero comuníquese con su administrador(a) de reclamos, para ver si usted puede resolverlo. Si usted no está recibiendo beneficios, es posible que Ud. pueda obtener beneficios de Seguro Estatal de Incapacidad (SDI). Llame al Departamento Estatal del Desarrollo del Empleo (EDD) al (800) 480-3287.

Ud. puede obtener información gratis, de un oficial de información y asistencia, de la División estatal de Compensación al Trabajador (*Division of Workers' Compensation - DWC*), o puede escuchar información grabada, así como una lista de oficinas locales, llamando al (800) 736-7401. Ud. también puede ir al sitio electrónico en el Internet de la DWC en www.dir.ca.gov. Enlázese a la sección de Compensación para Trabajadores.

Ud. puede consultar con un(a) abogado(a). La mayoría de los abogados ofrecen una consulta gratis. Si Ud. decide contratar a un(a) abogado(a), sus honorarios se tomarán de sus beneficios. Para obtener nombres de abogados de compensación para trabajadores, llame a la Asociación Estatal de Abogados de California (*State Bar*) al (415) 538-2120, ó vaya a su sitio electrónico en el Internet en www.californiaspecialist.org.

DIVISION OF WORKERS' COMPENSATION

WORKERS COMPENSATION CLAIM FORM (DWC 1)

Employee: Complete the "Employee" section and give the form to your employer. Keep a copy and mark it "Employee's Temporary Receipt" until you receive the signed and dated copy from your employer. You may call the Division of Workers' Compensation and hear recorded information at (800) 736-7401. An explanation of workers' compensation benefits is included as the cover sheet of this form.

You should also have received a pamphlet from your employer describing workers' compensation benefits and the procedures to obtain them.

Any person who makes or causes to be made any knowingly false or fraudulent material statement or material representation for the purpose of obtaining or denying workers' compensation benefits or payments is guilty of a felony.

Estado de California
Departamento de Relaciones Industriales
DIVISION DE COMPENSACIÓN AL TRABAJADOR
**PETITION DEL EMPLEADO PARA DE
COMPENSACIÓN DEL TRABAJADOR (DWC 1)**

Empleado: Complete la sección "Empleado" y entregue la forma a su empleador. Quedese con la copia designada "Recibo Temporal del Empleado" hasta que Ud. reciba la copia firmada y fechada de su empleador. Ud. puede llamar a la Division de Compensación al Trabajador al (800) 736-7401 para oír información grabada. En la boja cubierta de esta forma esta la explicación de los beneficios de compensación al trabajador.

Ud. también debería haber recibido de su empleador un folleto describiendo los beneficios de compensación al trabajador lesionado y los procedimientos para obtenerlos.

Toda aquella persona que a propósito haga o cause que se produzca cualquier declaración o representación material falsa o fraudulenta con el fin de obtener o negar beneficios o pagos de compensación a trabajadores lesionados es culpable de un crimen mayor "felonía".

Employee—complete this section and see note above. Empleado—complete esta sección y note la notación arriba.

1. Name. *Nombre.* _____ Today's Date. *Fecha de Hoy.* _____
2. Home Address. *Dirección Residencial.* _____
3. City. *Ciudad.* _____ State. *Estado.* _____ Zip. *Código Postal.* _____
4. Date of Injury. *Fecha de la lesión (accidente).* _____ Time of Injury. *Hora en que ocurrió.* _____ a.m. _____ p.m.
5. Address and description of where injury happened. *Dirección/lugar dónde ocurrió el accidente.* _____
6. Describe injury and part of body affected. *Describe la lesión y parte del cuerpo afectada.* _____
7. Social Security Number. *Número de Seguro Social del Empleado.* _____
8. Signature of employee. *Firma del empleado.* _____

Employer—complete this section and see note below. Empleador—complete esta sección y note la notación abajo.

9. Name of employer. *Nombre del empleador.* _____
10. Address. *Dirección.* _____
11. Date employer first knew of injury. *Fecha en que el empleador supo por primera vez de la lesión o accidente.* _____
12. Date claim form was provided to employee. *Fecha en que se le entregó al empleado la petición.* _____
13. Date employer received claim form. *Fecha en que el empleado devolvió la petición al empleador.* _____
14. Name and address of insurance carrier or adjusting agency. *Nombre y dirección de la compañía de seguros o agencia administradora de seguros.* _____
15. Insurance Policy Number. *El número de la póliza de Seguro.* _____
16. Signature of employer representative. *Firma del representante del empleador.* _____
17. Title. *Título.* _____
18. Telephone. *Teléfono.* _____

Employer: You are required to date this form and provide copies to your insurer or claims administrator and to the employee, dependent or representative who filed the claim within **one working day** of receipt of the form from the employee.

Empleador: Se requiere que Ud. feche esta forma y que provéa copias a su compañía de seguros, administrador de reclamos, o dependiente/representante de reclamos y al empleado que hayan presentado esta petición dentro del plazo de **un día hábil** desde el momento de haber sido recibida la forma del empleado.

SIGNING THIS FORM IS NOT AN ADMISSION OF LIABILITY

EL FIRMAR ESTA FORMA NO SIGNIFICA ADMISION DE RESPONSABILIDAD

- | | | | |
|--|---|---|---|
| <input type="checkbox"/> Employer copy
<i>Copia del Empleador</i> | <input type="checkbox"/> Employee copy
<i>Copia del Empleado</i> | <input type="checkbox"/> Claims Administrator
<i>Administrador de Reclamos</i> | <input type="checkbox"/> Temporary Receipt/
<i>Recibo del Empleado</i> |
|--|---|---|---|

8.3 Notice of Occurrence - Accident/Incident Report – General Liability, Pollution, Builders Risk



Notice of Occurrence ACCIDENT / INCIDENT REPORT – GENERAL LIABILITY/POLLUTION/BUILDERS RISK

Keenan & Associates 2355
Crestway Blvd. Torrance, CA 90501
www.SEWUP.ORG
License No. 0451271

Date: _____

Contact:	Project Location Code:	Date of Loss & Time:	<input type="checkbox"/> AM
Phone:			<input type="checkbox"/> PM
Cell:	Carrier:	NAIC Code:	
Fax:	Policy No.:	Client ID No.:	
Email:			

School District

Name of Insured:		Insured's Mailing Address:	
Contact Name:	Title:		
Primary Phone: <input type="checkbox"/> Bus <input type="checkbox"/> Cell	Secondary Phone: <input type="checkbox"/> Bus <input type="checkbox"/> Cell	Primary Email:	Secondary Email:

Contractor

Name of Insured:		Insured's Mailing Address:	
Contact Name:	Title:		
Primary Phone: <input type="checkbox"/> Bus <input type="checkbox"/> Cell	Secondary Phone: <input type="checkbox"/> Bus <input type="checkbox"/> Cell	Primary E-mail:	Secondary E-mail:

Occurrence

Location of Occurrence / Address (Describe Location if No Specific Address):	Police or Fire Dept. Contacted?
	Report No.:
Description of Occurrence:	

Property

Premises: Claimant (1) is: <input type="checkbox"/> Owner <input type="checkbox"/> Tenant <input type="checkbox"/> Insured Party		Premises: Claimant (2) is: <input type="checkbox"/> Owner <input type="checkbox"/> Tenant <input type="checkbox"/> Insured Party	
Type of Damage:		Type of Damage:	
Damaged Party (1) Name & Address (If not insured):		Damaged Party (2) Name & Address (If not insured):	
Primary Phone:	<input type="checkbox"/> Home <input type="checkbox"/> Bus <input type="checkbox"/> Cell	Primary Phone:	<input type="checkbox"/> Home <input type="checkbox"/> Bus <input type="checkbox"/> Cell
Secondary Phone:	<input type="checkbox"/> Home <input type="checkbox"/> Bus <input type="checkbox"/> Cell	Secondary Phone:	<input type="checkbox"/> Home <input type="checkbox"/> Bus <input type="checkbox"/> Cell
Primary Email:		Primary Email:	
Secondary Email:		Secondary Email:	
Location of Property for Inspection:		Location of Property for Inspection:	

Injured Party

Damaged Party (1) Name & Address (If not insured):			Damaged Party (2) Name & Address (If not insured):		
Primary Phone:	<input type="checkbox"/> Home	<input type="checkbox"/> Bus	<input type="checkbox"/> Cell	Primary Phone:	<input type="checkbox"/> Home <input type="checkbox"/> Bus <input type="checkbox"/> Cell
Secondary Phone:	<input type="checkbox"/> Home	<input type="checkbox"/> Bus	<input type="checkbox"/> Cell	Secondary Phone:	<input type="checkbox"/> Home <input type="checkbox"/> Bus <input type="checkbox"/> Cell
Primary E-mail:			Primary E-mail:		
Secondary E-mail:			Secondary E-mail:		
Age:	Sex:	Occupation:		Age:	Sex: Occupation:
Where Taken:			Where Taken:		
Describe Injury:			Describe Injury:		
What Was Injured Doing			What Was Injured Doing		

Witnesses

Damaged Party (1) Name & Address (If not insured):			Damaged Party (2) Name & Address (If not insured):		
Primary Phone:	<input type="checkbox"/> Home	<input type="checkbox"/> Bus	<input type="checkbox"/> Cell	Primary Phone:	<input type="checkbox"/> Home <input type="checkbox"/> Bus <input type="checkbox"/> Cell
Secondary Phone:	<input type="checkbox"/> Home	<input type="checkbox"/> Bus	<input type="checkbox"/> Cell	Secondary Phone:	<input type="checkbox"/> Home <input type="checkbox"/> Bus <input type="checkbox"/> Cell
Primary E-mail:			Primary E-mail:		
Secondary E-mail:			Secondary E-mail:		

Remarks

Reported By:		Reported To:	
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9.0 Frequency Asked Questions (FAQs)

An Owner Controlled Insurance Program (OCIP) Through The Statewide Educational Wrap Up Program (SEWUP)

1. Who is insured under an Owner Controlled Insurance Program?

The Owner and all enrolled Contractors and their enrolled Subcontractors of any tier who perform operations at the Project Site described in the Contract Documents are insured under the OCIP.

2. Who is managing the Owner Controlled Insurance Program?

Keenan & Associates is the Program Administrator for this Owner Controlled Insurance Program, otherwise known as Statewide Educational Wrap Up Program (SEWUP).

3. Is Project Site Defined?

Yes. Project Site is on file with the insurance company, as described in the applicable Contract Documents.

4. What insurance is provided to Contractors/Subcontractors under the Owner Controlled Insurance Program (OCIP)?

The Owner has agreed to procure the following insurance:

- a. Workers' Compensation and Employer's Liability
- b. General Liability Insurance for Personal Injury, Bodily Injury and Property Damage Liability
- c. Builder's Risk
- d. Contractor's Pollution Liability (course of construction only)

5. Does the OCIP cover any contractor's equipment?

No. Contractors and Subcontractors must maintain this coverage.

6. Are there other types of insurance normally purchased by Contractors, which are not included?

Yes. Examples are:

- a. Bonds, if required by contract
- b. Contractor's Automobile Liability and Physical Damage Insurance
- c. Contractor's Equipment Floater

7. Does the Contractor/Subcontractor insured under the OCIP have to provide evidence of insurance?

Yes. The contract requires that, prior to commencement of on-site activities; each Contractor/Subcontractor shall furnish a Certificates of Insurance evidencing coverage for:

- a. Workers' Compensation
- b. General Liability

Certificates of Insurance and Additional Named Insured Endorsements, specifically naming the Owner, are also required for:

- a. Automobile Liability
- b. Any other required coverages outlined in the Contract and the Project Insurance Manual.

8. How is the Contractor/Subcontractor's bid to be submitted?

The Contractor/Subcontractor needs to submit their bid excluding certain insurance costs, as outlined in the Contract. Change Orders also need to be submitted without insurance costs.

9. When will the Contractor/Subcontractor receive a Certificate of Insurance insuring them under the OCIP?

Eligible Contractors/Subcontractors awarded a contract will be furnished a Certificate of Insurance upon Program Administrator's review and acceptance of the Contract Enrollment via WrapPortal.

10. Will all Contractors/Subcontractors receive information concerning their loss experience?

This information is available, upon request, from the Program Administrator.

11. How long are the policies kept in-force for the Contractor/Subcontractor?

The policy periods commence on the date of "Award" and terminate as defined in the Contract Documents. The only extension is for General Liability "Completed Operations" which is for ten (10) years after Notice of Completion filed by the District.

12. Does the OCIP provide coverage for truckers, vendors and suppliers?

No. Contractors/Subcontractors, whose sole duties are as truckers, vendors, or suppliers are not included in the program. If contracted with an on-site installer, vendors and/or suppliers should be enrolled in the OCIP for General Liability only, as it pertains to the contractual relationship of the installer's on-site work.

13. Are all Contractors/Subcontractors, of any tier, required to complete their own OCIP enrollment, before they will be allowed to begin job site activity?

All Contractors/Subcontractors, regardless of tier, must complete a Contract Enrollment via WrapPortal, prior to commencement of on-site activities. Upon acceptance by the OCIP Administrator, each Contractor/Subcontractor will receive an enrollment confirmation packet, which includes a Certificate of Insurance evidencing the OCIP coverages.

14. What document do I use to show my Agent/Broker and Insurer that I'm covered under the OCIP?

All contractors enrolled under the OCIP program receive individual workers' compensation policies and Certificates of Insurance evidencing coverage under the OCIP program.

Workers' Compensation and Employers' Liability Insurance Questions

1. What insurance company writes the Workers' Compensation and Employer's Liability coverage?

Liberty Mutual Insurance Company.

2. What is the coverage term?

The coverage term for each Contractor/Subcontractor will coincide with the Start Date provided at OCIP enrollment. OCIP Workers' Compensation policies are renewed each year until receipt of OCIP Contractor's Completion Notice.

3. How will the Contractor/Subcontractor's payroll be classified?

Insurance Company will classify payrolls in accordance with California law under the Workers' Compensation Insurance Rating Bureau regulations, classifications, rates and rating plans. The Monthly Project Site Payroll Form will be used for Contractors/Subcontractors' monthly payroll submissions.

4. Will Program Administrator inspect the job and make recommendations regarding loss control and safety?

Yes. The Program Administrator will conduct periodic loss control surveys on behalf of the Owner. These surveys will focus on evaluating the contractors' efforts to control Workers' Compensation, General Liability, and Builders Risk exposures. These surveys are intended to assist contractors in identifying these exposures and take the appropriate actions to minimize the likelihood of loss.

5. Will there be other people who will make job site inspections?

Yes. The insurance company's Risk Engineer may conduct periodic site inspections to verify compliance with State requirements. State, City and Federal inspectors may also make inspections.

General Liability Insurance for Personal Injury, Bodily Injury and Property Damage Liability Questions

What insurance company writes the Personal Injury, Bodily Injury, and Property Damage Liability coverage? Lloyds of London.

Is Completed Operations coverage provided beyond acceptance of the work performed under the Contract?

Yes. The extension for General Liability "completed operations" is for ten (10) years after Notice of Completion is filed by the Owner, or date Occupancy is taken.

10.0 Known Policy Exclusions

Workers Compensation

Bodily Injury Outside US or Canada
Bodily Injury To Any Member of Flying Crew
Bodily Injury To Person Subject To Federal Workers' Compensation
Bodily Injury To Person Subject To Occupational Disease Laws
Contractual Liability
Employees Knowingly Employed Illegally
Employment Related Practices
Intentional or Aggravated Bodily Injury
Obligations Imposed By Disability Benefits or Any Similar Law
Obligations Imposed By Occupational Disease Laws
Obligations Imposed By Unemployment Compensation Laws
Obligations Imposed By Workers' Compensation Laws
State or Federal Law Violation Fines, Penalties

General Liability

Aircraft, Auto or Watercraft
Asbestos
Certain Exclusions To Medical Payments Coverage
Certain Exclusions To Personal and Advertising Injury Liability
Certified Acts of Terrorism
Contractual Liability (Limited Coverage Provided)
Employers Liability
Employment Related Practices
Expected or Intended Injury
Exterior Insulation and Finish Systems (EIFS) "Subject to Installation Requirements"
Fungi Or Bacteria
Lead
Mobile Equipment
Nuclear
Personal and Advertising Bodily Injury
Pollution
Prior Continuous, or Progressively Deteriorating Injury or Damage
Professional Liability

Recall of Products, Work Or Impaired Property
Silica or Silica Mixed Dust
Subsidence- Conditional Warranty- So long as Contractor follows specifications of geotechnical/environmental reports then the exclusion will be waived; if not, exclusion will be fully implemented

Violation of Statutes Governing Collecting, Transmitting Information

Violation of Statutes Governing Email, Fax, Phone Calls

War

Workers Compensation and Similar Laws

Builders Risk

Asbestos

Certain Offsite Property

Certain Release, Discharge, Escape, or Dispersal Of Contaminants

Certified Acts of Terrorism (Can be added)

Cessation of Work

Communicable Diseases

Contractor's Tools, Machinery, Plans, Equipment

Cost of Making Good

Damage To Existing Property (Can be added)

Damage While Testing Prototype or Used Machinery/Equipment

Damages, Fines, Penalties At Government Agency or Court Order

Disappearance or When Revealed By Inventory Shortage Alone

Earth Movement (Optional; can be added)

Electrical, Magnetic, or Errors Related To Electronic Records

Financial Accounts, Instruments, Stamps, Deeds, Precious Material

Flood (Optional; can be added)

Foreign Terrorism

Infidelity, Dishonesty, Fraudulent Activity Of Insured

Land, Values of Land, Cut, & Fill etc. Prior to Project Commencement

Loss Under Any Manufacturer or Supplier Guarantee/Warranty

Normal Subsidence

Nuclear

Offshore Or Barrier Island Property

Property That Stores, Processes, or Handles Radioactive Materials

Rolling Stock, Aircraft, Watercraft

Software Loss, unless results from an Open Peril

Standing Timber, Growing Crops, Animals

Vehicles or Equipment Licensed For Highway Use

War and Military Action

Contractors Pollution Liability

Auto, Aircraft, Vessel Or Rolling Stock

Claims Between Certain Insured's

Contractual Liability

Damage To Property

Disposal Sites

Employment Related Practices

Fines, Penalties, and Treble Damages

Hazardous Materials Facility

Intentional Acts

Nuclear

Other Entities

Pre-Existing Conditions

Products

Related Entities and Individuals

Transportation Of Pollutants

War

Workers Compensation and Similar Laws



REQUEST FOR INFORMATION

Project Name: Palo Verde CCD- New Child Development Center **RFI #:** PBRFI 002
To: Crystal.tautala@paloverde.edu **Date:** 1-9-2023
Subject: Missing Spec sections
From: Jerry Jensen jjensen@prowestconstructors.com 951-678-1038 x237

Drawing #: _____ **Detail Ref:** _____ **Spec Section:** missing sections

QUESTION:

The following specification sections appear to be missing, please advise if they will be issued prior to bid.

- 03 CIP Concrete/ Reinforcing
- 04 Masonry
- 05 Structural Steel/ Misc. Metals
- 07 Flashing and Sheet metal (Panels at Entrance Canopy)
- 10 Specialties (Contractor Furnished not by Modular Co.)
- 11 Food Service Equipment



CONTRACTOR'S PROPOSED SOLUTION:

Additional pages attached: ___ Yes No

Number of additional pages attached: 0

SECTION 074213.23 -

RESPONSE TO RFI QUESTION:

SILLMAN:

1. Please see Spec Section: 03 30 00 CIP Concrete starting on page 2 of this document. Please see Spec Section 03 20 00 Concrete Reinforcement starting on page 17 of this document.
2. Please see Spec. Section 04-28-23 Masonry on page 20 of this document.
3. Please see Spec Section 05 40 00 Cold Formed Metal Framing on S-0.10 of the Construction Set Drawings. Please see Spec Section 05 10 00 Structural Steel on S-0.10 of



Response By (Firm Name):

SILLMAN

Signed:

Connor James Smith

Digitally signed by Connor James Smith

Date of RFI Response: 1.24.23

SECTION 033000 - CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Cast-in-place concrete, including concrete materials, mixture design, placement procedures, and finishes.

B. Related Requirements:

1. Section 032000 "Concrete Reinforcing" for steel reinforcing bars and welded-wire reinforcement.
2. Section 312000 "Earth Moving" for drainage fill under slabs-on-ground.

1.2 DEFINITIONS

- ##### A. Cementitious Materials: Portland cement alone or in combination with one or more of the following: fly ash, slag cement, and other pozzolans materials subject to compliance with requirements.

- ##### B. Water/Cement Ratio (w/cm): The ratio by weight of water to cementitious materials.

1.3 ACTION SUBMITTALS

A. Product Data: For each of the following.

1. Portland cement.
2. Fly ash.
3. Slag cement.
4. Aggregates.
5. Admixtures:
 - a. Include limitations of use, including restrictions on cementitious materials, supplementary cementitious materials, air entrainment, aggregates, temperature at time of concrete placement, relative humidity at time of concrete placement, curing conditions, and use of other admixtures.
6. Vapor retarders.

B. Design Mixtures: For each concrete mixture, include the following:

1. Mixture identification.
2. Minimum 28-day compressive strength.
3. Durability exposure class.
4. Maximum w/cm.

5. Slump limit.
6. Air content.
7. Nominal maximum aggregate size.
8. Indicate amounts of mixing water to be withheld for later addition at Project site if permitted.
9. Intended placement method.
10. Submit alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.

C. Shop Drawings:

1. Construction Joint Layout: Indicate proposed construction joints required to construct the structure.
 - a. Location of construction joints is subject to approval of the Architect.

D. Concrete Schedule: For each location of each Class of concrete indicated in "Concrete Mixtures" Article, including the following:

1. Concrete Class designation.
2. Location within Project.
3. Exposure Class designation.
4. Formed Surface Finish designation and final finish.
5. Final finish for floors.
6. Curing process.
7. Floor treatment if any.

1.4 INFORMATIONAL SUBMITTALS

A. Material Certificates: For each of the following, signed by manufacturers:

1. Cementitious materials.
2. Admixtures.
3. Curing compounds.
4. Vapor retarders.
5. .

B. Material Test Reports: For the following, from a qualified testing agency:

1. Portland cement.
2. Fly ash.
3. Slag cement.
4. Aggregates.
5. Admixtures:

C. Research Reports: For concrete admixtures in accordance with ICC's Acceptance Criteria AC198.

D. Preconstruction Test Reports: For each mix design.

- E. Field quality-control reports.

1.5 QUALITY ASSURANCE

- A. Ready-Mixed Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C94/C94M requirements for production facilities and equipment.
 - 1. Manufacturer certified in accordance with NRMCA's "Certification of Ready Mixed Concrete Production Facilities."

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Comply with ASTM C94/C94M and ACI 301 (ACI 301M).

1.7 FIELD CONDITIONS

- A. Cold-Weather Placement: Comply with ACI 301 (ACI 301M) and ACI 306.1.
- B. Hot-Weather Placement: Comply with ACI 301 (ACI 301M) and ACI 305.1 (ACI 305.1M).

PART 2 - PRODUCTS

2.1 CONCRETE, GENERAL

- A. ACI Publications: Comply with ACI 301 (ACI 301M) unless modified by requirements in the Contract Documents.

2.2 CONCRETE MATERIALS

- A. Cementitious Materials:
 - 1. Portland Cement: ASTM C150/C150M, Type I gray
 - 2. Fly Ash: ASTM C618, Class C or F.
 - 3. Slag Cement: ASTM C989/C989M, Grade 100 or 120.
- B. Normal-Weight Aggregates: ASTM C33/C33M, Class 1 Aggregate or better, graded. Provide aggregates from a single source.
 - 1. Maximum Coarse-Aggregate Size: 1-1/2 inches nominal.
- C. Air-Entraining Admixture: ASTM C260/C260M.
- D. Chemical Admixtures: Certified by manufacturer to be compatible with other admixtures that do not contribute water-soluble chloride ions exceeding those permitted in hardened concrete.

Do not use calcium chloride or admixtures containing calcium chloride in steel-reinforced concrete.

1. Water-Reducing Admixture: ASTM C494/C494M, Type A.
2. Retarding Admixture: ASTM C494/C494M, Type B.
3. Water-Reducing and -Retarding Admixture: ASTM C494/C494M, Type D.
4. High-Range, Water-Reducing Admixture: ASTM C494/C494M, Type F.
5. High-Range, Water-Reducing and -Retarding Admixture: ASTM C494/C494M, Type G.
6. Plasticizing and Retarding Admixture: ASTM C1017/C1017M, Type II.

- E. Water and Water Used to Make Ice: ASTM C94/C94M, potable or complying with ASTM C1602/C1602M, including all limits listed in Table 2 and the requirements of paragraph 5.4.

2.3 VAPOR RETARDERS

- A. Sheet Vapor Retarder, Class A: ASTM E1745, Class A >; not less than 10 mils (0.25 mm) thick. Include manufacturer's recommended adhesive or pressure-sensitive tape.

2.4 CONCRETE MIXTURES, GENERAL

- A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, in accordance with ACI 301. (ACI 301M).

1. Use a qualified testing agency for preparing and reporting proposed mixture designs, based on laboratory trial mixtures.

- B. Cementitious Materials: Limit percentage, by weight, of cementitious materials other than portland cement in concrete as follows:

1. Fly Ash or Other Pozzolans: 25 percent by mass.
2. Slag Cement: 50 percent by mass.
3. Total of Fly Ash or Other Pozzolans, Slag Cement: 50 percent by mass, with fly ash or pozzolans not exceeding 25 percent by mass.
4. Total of Fly Ash or Other Pozzolans: 35 percent by mass with fly ash or pozzolans not exceeding 25 percent by mass.

- C. Admixtures: Use admixtures in accordance with manufacturer's written instructions.

2.5 CONCRETE MIXTURES

- A. Class A: Normal-weight concrete used for footings, grade beams, and slabs-on-grade.

1. Exposure Class: ACI 318 F0, S0, W0, C1.
2. Minimum Compressive Strength: As shown on plan.
3. Maximum w/cm: As shown on plan.
4. Slump Limit: As shown on plan.
5. Air Content:

- a. Exposure Class F0: 2.0 percent, plus or minus 1.0% at point of delivery.
- 6. Limit water-soluble, chloride-ion content in hardened concrete to 1.00 percent by weight of cement.

2.6 CONCRETE MIXING

- A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete in accordance with ASTM C94 and furnish batch ticket information.

PART 3 - EXECUTION

3.1 INSTALLATION OF EMBEDDED ITEMS

- A. Place and secure anchorage devices and other embedded items required for adjoining Work that is attached to or supported by cast-in-place concrete.
 - 1. Use setting drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.
 - 2. Install anchor rods, accurately located, to elevations required and complying with tolerances in Section 7.5 of ANSI/AISC 303.

3.2 INSTALLATION OF VAPOR RETARDER

- A. Sheet Vapor Retarders: Place, protect, and repair sheet vapor retarder in accordance with ASTM E1643 and manufacturer's written instructions.
 - 1. Install vapor retarder with longest dimension parallel with direction of concrete pour.
 - 2. Face laps away from exposed direction of concrete pour.
 - 3. Lap vapor retarder over footings and grade beams not less than 6 inches, sealing vapor retarder to concrete.
 - 4. Lap joints 6 inches and seal with manufacturer's recommended tape.
 - 5. Terminate vapor retarder at the top of floor slabs, grade beams, and pile caps, sealing entire perimeter to floor slabs, grade beams, foundation walls, or pile caps.
 - 6. Seal penetrations in accordance with vapor retarder manufacturer's instructions.
 - 7. Protect vapor retarder during placement of reinforcement and concrete.
 - a. Repair damaged areas by patching with vapor retarder material, overlapping damages area by 6 inches on all sides, and sealing to vapor retarder.

3.3 JOINTS

- A. Construct joints true to line, with faces perpendicular to surface plane of concrete.
- B. Construction Joints: Coordinate with floor slab pattern and concrete placement sequence.

1. Install so strength and appearance of concrete are not impaired, at locations indicated on Drawings or as approved by Architect.
 - a. Continue reinforcement across construction joints unless otherwise indicated.
 - b. Do not continue reinforcement through sides of strip placements of floors and slabs.
- C. Control Joints in Slabs-on-Ground: Form weakened-plane control joints, sectioning concrete into areas as indicated. Construct control joints for a depth equal to at least 1" of concrete thickness as follows:
 1. Grooved Joints: Form control joints after initial floating by grooving and finishing each edge of joint to a radius of 1/8 inch. Repeat grooving of control joints after applying surface finishes. Eliminate groover tool marks on concrete surfaces.
 2. Sawed Joints: Form control joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades. Cut 1/8-inch wide joints into concrete when cutting action does not tear, abrade, or otherwise damage surface and before concrete develops random cracks.
- D. Isolation Joints in Slabs-on-Ground: After removing formwork, install joint-filler strips at slab junctions with vertical surfaces, such as column pedestals, foundation walls, grade beams, and other locations, as indicated.
- E. Doweled Joints:
 1. Install dowel bars and support assemblies at joints where indicated on Drawings.
 2. Lubricate or asphalt coat one-half of dowel bar length to prevent concrete bonding to one side of joint.

3.4 CONCRETE PLACEMENT

- A. Before placing concrete, verify that installation of formwork, reinforcement, embedded items, and vapor retarder is complete and that required inspections are completed.
 1. Immediately prior to concrete placement, inspect vapor retarder for damage and deficient installation, and repair defective areas.
 2. Provide continuous inspection of vapor retarder during concrete placement and make necessary repairs to damaged areas as Work progresses.
- B. Notify Architect and testing and inspection agencies 24 hours prior to commencement of concrete placement.
- C. Before test sampling and placing concrete, water may be added at Project site, subject to limitations of ACI 301 (ACI 301M), but not to exceed the amount indicated on the concrete delivery ticket.
- D. Deposit concrete continuously in one layer or in horizontal layers of such thickness that no new concrete is placed on concrete that has hardened enough to cause seams or planes of weakness.
 1. If a section cannot be placed continuously, provide construction joints as indicated.

2. Deposit concrete to avoid segregation.
 3. Deposit concrete in horizontal layers of depth not to exceed formwork design pressures and in a manner to avoid inclined construction joints.
 4. Consolidate placed concrete with mechanical vibrating equipment in accordance with ACI 301 (ACI 301M).
 - a. Do not use vibrators to transport concrete inside forms.
 - b. Insert and withdraw vibrators vertically at uniformly spaced locations to rapidly penetrate placed layer and at least 6 inches into preceding layer.
 - c. Do not insert vibrators into lower layers of concrete that have begun to lose plasticity.
 - d. At each insertion, limit duration of vibration to time necessary to consolidate concrete, and complete embedment of reinforcement and other embedded items without causing mixture constituents to segregate.
- E. Deposit and consolidate concrete for floors and slabs in a continuous operation, within limits of construction joints, until placement of a panel or section is complete.
1. Do not place concrete floors and slabs in a checkerboard sequence.
 2. Consolidate concrete during placement operations, so concrete is thoroughly worked around reinforcement and other embedded items and into corners.
 3. Maintain reinforcement in position on chairs during concrete placement.
 4. Screed slab surfaces with a straightedge and strike off to correct elevations.
 5. Level concrete, cut high areas, and fill low areas.
 6. Slope surfaces uniformly to drains where required.
 7. Begin initial floating using bull floats or darbies to form a uniform and open-textured surface plane, before excess bleedwater appears on the surface.
 8. Do not further disturb slab surfaces before starting finishing operations.

3.5 FINISHING FORMED SURFACES

Retain types of formed finishes required in this article. Coordinate finishes retained with Drawing Room Finish Schedule, or indicate location of each finish on Drawings.

- A. As-Cast Surface Finishes:
1. ACI 301 (ACI 301M) Surface Finish SF-1.0: As-cast concrete texture imparted by form-facing material.
 - a. Patch voids larger than 1-1/2 inches (38 mm) wide or 1/2 inch (13 mm) deep.
 - b. Remove projections larger than 1 inch (25 mm).
 - c. Tie holes do not require patching.
 - d. Surface Tolerance: ACI 117 (ACI 117M) Class D.
 - e. Apply to concrete surfaces [**not exposed to public view**] <Insert locations>.
 2. ACI 301 (ACI 301M) Surface Finish SF-2.0: As-cast concrete texture imparted by form-facing material, arranged in an orderly and symmetrical manner with a minimum of seams.
 - a. Patch voids larger than 3/4 inch (19 mm) wide or 1/2 inch (13 mm) deep.

- b. Remove projections larger than 1/4 inch (6 mm).
- c. Patch tie holes.
- d. Surface Tolerance: ACI 117 (ACI 117M) Class B.

Revise locations in "Locations" Subparagraph below to suit Project, or delete subparagraph and indicate locations on Drawings. Retain second option if additional finishing is required.

- e. Locations: Apply to concrete surfaces [**exposed to public view,**] [**to receive a rubbed finish,**] [**or to be covered with a coating or covering material applied directly to concrete**] <Insert locations>.

3. ACI 301 (ACI 301M) Surface Finish SF-3.0:

- a. Patch voids larger than 3/4 inch (19 mm) wide or 1/2 inch (13 mm) deep.
- b. Remove projections larger than 1/8 inch (3 mm).
- c. Patch tie holes.
- d. Surface Tolerance: ACI 117 (ACI 117M) Class A.

Revise locations in "Locations" Subparagraph below to suit Project, or delete subparagraph and indicate locations on Drawings. Retain second option if additional finishing is required.

- e. Locations: Apply to concrete surfaces [**exposed to public view,**] [**to receive a rubbed finish,**] [**or to be covered with a coating or covering material applied directly to concrete**] <Insert locations>.

B. Related Unformed Surfaces:

1. At tops of walls, horizontal offsets, and similar unformed surfaces adjacent to formed surfaces, strike off smooth and finish with a color and texture matching adjacent formed surfaces.
2. Continue final surface treatment of formed surfaces uniformly across adjacent unformed surfaces unless otherwise indicated.

3.6 FINISHING FLOORS AND SLABS

- A. Comply with ACI 302.1R recommendations for screeding, restraightening, and finishing operations for concrete surfaces. Do not wet concrete surfaces.

Retain one or more of "Scratch Finish," "Float Finish," "Trowel Finish," "Trowel and Fine-Broom Finish," "Broom Finish," and "Slip-Resistive Finish" paragraphs below for types of slab finishes required. Coordinate slab finishes retained with finish schedule, or indicate location of each finish on Drawings.

B. Scratch Finish:

1. While still plastic, texture concrete surface that has been screeded and bull-floated or darbied.
2. Use stiff brushes, brooms, or rakes to produce a profile depth of 1/4 inch (6 mm) in one direction.

Revise locations of scratch finish in subparagraph below to suit ~~Project,~~ Project or delete subparagraph and indicate locations on Drawings.

3. Apply scratch finish to surfaces **[to receive concrete floor toppings] [to receive mortar setting beds for bonded cementitious floor finishes]** <Insert locations>.

C. Float Finish:

1. When bleedwater sheen has disappeared and concrete surface has stiffened sufficiently to permit operation of specific float apparatus, consolidate concrete surface with power-driven floats or by hand floating if area is small or inaccessible to power-driven floats.
2. Repeat float passes and restraightening until surface is left with a uniform, smooth, granular texture and complies with ACI 117 (ACI A117M) tolerances for conventional concrete.

Revise locations of float finish in subparagraph below to suit Project, or delete subparagraph and indicate locations on Drawings.

3. Apply float finish to surfaces **[to receive trowel finish] [and] [to be covered with fluid-applied or sheet waterproofing, built-up or membrane roofing, or sand-bed terrazzo]** <Insert locations>.

D. Trowel Finish:

1. After applying float finish, apply first troweling and consolidate concrete by hand or power-driven trowel.
2. Continue troweling passes and restraighten until surface is free of trowel marks and uniform in texture and appearance.
3. Grind smooth any surface defects that would telegraph through applied coatings or floor coverings.
4. Do not add water to concrete surface.
5. Do not apply hard-troweled finish to concrete, which has a total air content greater than 3 percent.

Revise locations of trowel finish in first subparagraph below to suit ~~Project,~~Project or delete subparagraph and indicate locations on Drawings.

6. Apply a trowel finish to surfaces **[exposed to view] [or] [to be covered with resilient flooring, carpet, ceramic or quarry tile set over a cleavage membrane, paint, or another thin-film-finish coating system]** <Insert locations>.

ACI 301 (ACI 301M) suggests that all residential floors and nonresidential floors less than 10,000 sq. ft. (929 sq. m) be measured by straightedge method and that other nonresidential floors be measured by F-number system. Retain first subparagraph below for floor areas less than 10,000 sq. ft. (929 sq. m). Fourth option is requirement for gauged porcelain tile.

7. Finish and measure surface, so gap at any point between concrete surface and an unlevelled, freestanding, 10-ft.- (3.05-m-) long straightedge resting on two high spots and placed anywhere on the surface does not exceed **[1/4 inch (6 mm)] [3/16 inch (4.8 mm)] [1/8 inch (3 mm)] [1/8 inch (3 mm)] and also no more than 1/16 inch (1.6 mm) in 2 feet (610 mm)].**

- E. Trowel and Fine-Broom Finish: Apply a first trowel finish to surfaces **[indicated on Drawings] [where ceramic or quarry tile is to be installed by either thickset or thinset method]**. While concrete is still plastic, slightly scarify surface with a fine broom perpendicular to main traffic route.

1. Coordinate required final finish with Architect before application.
2. Comply with flatness and levelness tolerances for trowel-finished floor surfaces.

Retain "Broom Finish" Paragraph below if applicable. Broom finish is generally used on exterior concrete steps and platforms, ramps, and other surfaces subject to light foot traffic.

- F. Broom Finish: Apply a broom finish to exterior concrete platforms, steps, ramps, and locations indicated on Drawings.
1. Immediately after float finishing, slightly roughen trafficked surface by brooming with fiber-bristle broom perpendicular to main traffic route.
 2. Coordinate required final finish with Architect before application.

Retain "Slip-Resistive Finish" Paragraph below if applicable. This finish is generally used on interior and exterior concrete treads, platforms, and ramps subject to moderate foot traffic.

- G. Slip-Resistive Finish: Before final floating, apply slip-resistive [**aggregate**] [**aluminum granule**] finish to concrete stair treads, platforms, ramps as indicated on Drawings
1. Apply in accordance with manufacturer's written instructions and as follows:
 - a. Uniformly spread [**25 lb/100 sq. ft. (12 kg/10 sq. m)**] <Insert rate> of dampened slip-resistive [**aggregate**] [**aluminum granules**] over surface in one or two applications.
 - b. Tamp aggregate flush with surface, but do not force below surface.

Revise float finish in first subparagraph below to trowel finish if required.

- c. After broadcasting and tamping, apply float finish.
- d. After curing, lightly work surface with a steel wire brush or an abrasive stone and water to expose slip-resistive [**aggregate**] [**aluminum granules**].

3.7 INSTALLATION OF MISCELLANEOUS CONCRETE ITEMS

A. Filling In:

1. Fill in holes and openings left in concrete structures after Work of other trades is in place unless otherwise indicated.
2. Mix, place, and cure concrete, as specified, to blend with in-place construction.
3. Provide other miscellaneous concrete filling indicated or required to complete the Work.

- B. Curbs: Provide monolithic finish to interior curbs by stripping forms while concrete is still green and by steel-troweling surfaces to a hard, dense finish with corners, intersections, and terminations slightly rounded.

3.8 CONCRETE CURING

A. Protect freshly placed concrete from premature drying and excessive cold or hot temperatures.

1. Comply with ACI 301 (ACI 301M) and ACI 306.1 for cold weather protection during curing.

2. Comply with ACI 301 (ACI 301M) and ACI 305.1 (ACI 305.1M) for hot-weather protection during curing.
3. Maintain moisture loss no more than 0.2 lb/sq. ft. x h (1 kg/sq. m x h), calculated in accordance with ACI 305.1, before and during finishing operations.

B. Curing Formed Surfaces: Comply with ACI 308.1 (ACI 308.1M) as follows:

1. Cure formed concrete surfaces, including underside of beams, supported slabs, and other similar surfaces.
2. If forms remain during curing period, moist cure after loosening forms.
3. If removing forms before end of curing period, continue curing for remainder of curing period, as follows:
 - a. Continuous Fogging: Maintain standing water on concrete surface until final setting of concrete.
 - b. Continuous Sprinkling: Maintain concrete surface continuously wet.
 - c. Absorptive Cover: Pre-dampen absorptive material before application; apply additional water to absorptive material to maintain concrete surface continuously wet.
 - d. Water-Retention Sheeting Materials: Cover exposed concrete surfaces with sheeting material, taping, or lapping seams.
 - e. Membrane-Forming Curing Compound: Apply uniformly in continuous operation by power spray or roller in accordance with manufacturer's written instructions.
 - 1) Recoat areas subject to heavy rainfall within three hours after initial application.
 - 2) Maintain continuity of coating and repair damage during curing period.

C. Curing Unformed Surfaces: Comply with ACI 308.1 (ACI 308.1M) as follows:

1. Begin curing immediately after finishing concrete.
2. Interior Concrete Floors:
 - a. Floors to Receive Floor Coverings Specified in Other Sections: Contractor has option of the following:
 - 1) Absorptive Cover: As soon as concrete has sufficient set to permit application without marring concrete surface, install prewetted absorptive cover over entire area of floor.
 - a) Lap edges and ends of absorptive cover not less than 12 inches.
 - b) Maintain absorptive cover water saturated, and in place, for duration of curing period, but not less than seven days.
 - 2) Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches, and sealed by waterproof tape or adhesive.
 - a) Immediately repair any holes or tears during curing period, using cover material and waterproof tape.

- b) Cure for not less than seven days.
- 3) Ponding or Continuous Sprinkling of Water: Maintain concrete surfaces continuously wet for not less than seven days, utilizing one, or a combination of, the following:
 - a) Water.
 - b) Continuous water-fog spray.
- b. Floors to Receive Curing Compound:
 - 1) Apply uniformly in continuous operation by power spray or roller in accordance with manufacturer's written instructions.
 - 2) Recoat areas subjected to heavy rainfall within three hours after initial application.
 - 3) Maintain continuity of coating, and repair damage during curing period.
- c. Floors to Receive Curing and Sealing Compound:
 - 1) Apply uniformly to floors and slabs indicated in a continuous operation by power spray or roller in accordance with manufacturer's written instructions.
 - 2) Recoat areas subjected to heavy rainfall within three hours after initial application.
 - 3) Repeat process 24 hours later, and apply a second coat. Maintain continuity of coating, and repair damage during curing period.

3.9 TOLERANCES

- A. Conform to ACI 117 (ACI 117M).

3.10 FIELD QUALITY CONTROL

- A. Special Inspections: Owner will engage a special inspector to perform field tests and inspections and prepare testing and inspection reports.
- B. Testing Agency: Owner will engage a qualified testing and inspecting agency to perform tests and inspections and to submit reports.
 - 1. Testing agency to be responsible for providing curing container for composite samples on Site and verifying that field-cured composite samples are cured in accordance with ASTM C31.
 - 2. Testing agency to immediately report to Architect, Contractor, and concrete manufacturer any failure of Work to comply with Contract Documents.
 - 3. Testing agency shall report results of tests and inspections, in writing, to Owner, Architect, Contractor, and concrete manufacturer within 48 hours of inspections and tests.

- a. Test reports to include reporting requirements of ASTM C31/C31M, ASTM C39/C39M, and ACI 301, including the following as applicable to each test and inspection:
 - 1) Project name.
 - 2) Name of testing agency.
 - 3) Names and certification numbers of field and laboratory technicians performing inspections and testing.
 - 4) Name of concrete manufacturer.
 - 5) Date and time of inspection, sampling, and field testing.
 - 6) Date and time of concrete placement.
 - 7) Location in Work of concrete represented by samples.
 - 8) Date and time sample was obtained.
 - 9) Truck and batch ticket numbers.
 - 10) Design compressive strength at 28 days.
 - 11) Concrete mixture designation, proportions, and materials.
 - 12) Field test results.
 - 13) Information on storage and curing of samples before testing, including curing method and maximum and minimum temperatures during initial curing period.
 - 14) Type of fracture and compressive break strengths at seven days and 28 days.
- C. Batch Tickets: For each load delivered, submit three copies of batch delivery ticket to testing agency, indicating quantity, mix identification, admixtures, design strength, aggregate size, design air content, design slump at time of batching, and amount of water that can be added at Project site.
- D. Inspections:
 1. Headed bolts and studs.
 2. Verification of use of required design mixture.
 3. Concrete placement, including conveying and depositing.
 4. Curing procedures and maintenance of curing temperature.
 5. Verification of concrete strength before removal of shores and forms from beams and slabs.
 6. Batch Plant Inspections: On a random basis, as determined by Architect.
- E. Concrete Tests: Testing of composite samples of fresh concrete obtained in accordance with ASTM C 172/C 172M shall be performed in accordance with the following requirements:
 1. Testing Frequency: Obtain one composite sample for each day's pour of each concrete mixture exceeding 5 cu. yd. (4 cu. m), but less than 25 cu. yd. (19 cu. m), plus one set for each additional 50 cu. yd. (38 cu. m) or fraction thereof.
 - a. When frequency of testing provides fewer than five compressive-strength tests for each concrete mixture, testing to be conducted from at least five randomly selected batches or from each batch if fewer than five are used.
 2. Slump: ASTM C143/C143M:

- a. One test at point of placement for each composite sample, but not less than one test for each day's pour of each concrete mixture.
 - b. Perform additional tests when concrete consistency appears to change.
3. Air Content: ASTM C231/C231M pressure method, for normal-weight concrete:.
- a. One test for each composite sample, but not less than one test for each day's pour of each concrete mixture.
4. Concrete Temperature: ASTM C1064/C1064M:
- a. One test hourly when air temperature is 40 deg F (4.4 deg C) and below or 80 deg F (27 deg C) and above, and one test for each composite sample.
5. Compression Test Specimens: ASTM C31:
- a. Cast and laboratory cure two sets of three 6-inch (150 mm) by 12-inch (300 mm) or 4-inch (100 mm) by 8-inch (200 mm) cylinder specimens for each composite sample.
6. Compressive-Strength Tests: ASTM C39/C39M.
- a. Test one set of three laboratory-cured specimens at seven days and one set of two specimens at 28 days.
 - b. A compressive-strength test to be the average compressive strength from a set of two specimens obtained from same composite sample and tested at age indicated.
7. Strength of each concrete mixture will be satisfactory if every average of any three consecutive compressive-strength tests equals or exceeds specified compressive strength, and no compressive-strength test value falls below specified compressive strength by more than 500 psi (3.4 MPa) if specified compressive strength is 5000 psi (34.5 MPa) or less, or no compressive strength test value is less than 10 percent of specified compressive strength if specified compressive strength is greater than 5000 psi (34.5 MPa).
8. Nondestructive Testing: Impact hammer, sonoscope, or other nondestructive device may be permitted by Architect but will not be used as sole basis for approval or rejection of concrete.
9. Additional Tests:
- a. Testing and inspecting agency to make additional tests of concrete when test results indicate that slump, air entrainment, compressive strengths, or other requirements have not been met, as directed by Architect.
 - b. Testing and inspecting agency may conduct tests to determine adequacy of concrete by cored cylinders complying with ASTM C42/C42M or by other methods as directed by Architect.
 - 1) Acceptance criteria for concrete strength to be in accordance with ACI 301 (ACI 301M), Section 1.6.6.3.
10. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

11. Correct deficiencies in the Work that test reports and inspections indicate do not comply with the Contract Documents.

3.11 PROTECTION

A. Protect concrete surfaces as follows:

1. Protect from petroleum stains.
2. Prohibit hydraulic equipment used over concrete surfaces.
3. Prohibit vehicles from interior concrete slabs.
4. Prohibit use of pipe-cutting machinery over concrete surfaces.
5. Prohibit placement of steel items on concrete surfaces.
6. Prohibit use of acids or acidic detergents over concrete surfaces.
7. Protect liquid floor treatment from damage and wear during the remainder of construction period. Use protective methods and materials, including temporary covering, recommended in writing by liquid floor treatments installer.
8. Protect concrete surfaces scheduled to receive surface hardener or polished concrete finish using Floor Slab Protective Covering.

END OF SECTION 033000

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Steel reinforcement bars.

1.2 ACTION SUBMITTALS

A. Product Data: For the following:

1. Each type of steel reinforcement.
2. Bar supports.

B. Shop Drawings: Comply with ACI SP-066:

1. Include placing drawings that detail fabrication, bending, and placement.
2. Include bar sizes, lengths, materials, grades, bar schedules, stirrup spacing, bent bar diagrams, bar arrangement, location of splices, lengths of lap splices, details of mechanical splice couplers, details of welding splices, tie spacing, hoop spacing, and supports for concrete reinforcement.

C. Construction Joint Layout: Indicate proposed construction joints required to build the structure.

1. Location of construction joints is subject to approval of Architect.

1.3 INFORMATIONAL SUBMITTALS

A. Material Test Reports: For the following, from a qualified testing agency:

1. Steel Reinforcement

PART 2 - PRODUCTS

2.1 STEEL REINFORCEMENT

- #### A. Reinforcing Bars: ASTM A615, Grade 60, deformed.

2.2 REINFORCEMENT ACCESSORIES

- #### A. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars and welded-wire reinforcement in place.

1. Manufacture bar supports from steel wire, plastic, or precast concrete in accordance with CRSI's "Manual of Standard Practice," of greater compressive strength than concrete and as follows:
 - a. For concrete surfaces exposed to view, where legs of wire bar supports contact forms, use CRSI Class 1 plastic-protected steel wire, all-plastic bar supports, or CRSI Class 2 stainless steel bar supports.
- B. Steel Tie Wire: ASTM A1064, annealed steel, not less than 0.0508 inch in diameter.

2.3 FABRICATING REINFORCEMENT

- A. Fabricate steel reinforcement according to CRSI's "Manual of Standard Practice."

PART 3 - EXECUTION

3.1 PREPARATION

- A. Protection of In-Place Conditions:
 1. Do not cut or puncture vapor retarder.
 2. Repair damage and reseal vapor retarder before placing concrete.
- B. Clean reinforcement of loose rust and mill scale, earth, ice, and other foreign materials that reduce bond to concrete.

3.2 INSTALLATION OF STEEL REINFORCEMENT

- A. Comply with CRSI's "Manual of Standard Practice" for placing and supporting reinforcement.
- B. Accurately position, support, and secure reinforcement against displacement.
 1. Locate and support reinforcement with bar supports to maintain minimum concrete cover.
 2. Do not tack weld crossing reinforcing bars.
- C. Preserve clearance between bars of not less than 1 inch, not less than one bar diameter, or not less than 1-1/3 times size of large aggregate, whichever is greater.
- D. Provide concrete coverage in accordance with ACI 318.
- E. Set wire ties with ends directed into concrete, not toward exposed concrete surfaces.
- F. Splices: Lap splices as indicated on Drawings.
 1. Bars indicated to be continuous, and all vertical bars to be lapped not less than 36 bar diameters at splices, or 24 inches whichever is greater.
 2. Stagger splices in accordance with ACI 318.

3.3 JOINTS

- A. Construction Joints: Install so strength and appearance of concrete are not impaired, at locations indicated or as approved by Architect.
 - 1. Place joints perpendicular to main reinforcement.
 - 2. Continue reinforcement across construction joints unless otherwise indicated.
 - 3. Do not continue reinforcement through sides of strip placements of floors and slabs.

3.4 INSTALLATION TOLERANCES

- A. Comply with ACI 117.

3.5 FIELD QUALITY CONTROL

- A. Special Inspections: Owner will engage a special inspector to perform field tests and inspections and prepare test reports.
- B. Inspections:
 - 1. Steel-reinforcement placement.

END OF SECTION 032000



SHEET: MASONRY NOTES
JOB NO.: 21070 - PVC BLYTHE
DATE: 01/11/2023
CLIENT:

CONCRETE MASONRY

GENERAL

1. All concrete masonry materials and construction shall be in accordance with Building Code, Chapter 21.

MATERIALS

2. All materials making up finished concrete masonry construction shall conform to standards required by Building Code Sec. 2103.
3. Mortar shall be type M or S as applicable and conforming with ASTM C270 and shall be proportioned per Article 2.1 & 2.6A of Specification for Masonry Structures (TMS 602-16/ACI 530.1-16/ASCE 6-16).
4. Grout shall comply with Article 2.2 & 2.6 of TMS 602-16/ACI 530.1-16/ASCE 6-16 and shall attain a minimum compression strength at 28 days of 2000 psi or the required compression, $f'm$, whichever is greater. The compressive strength of grout shall be determined in accordance with ASTM C-1019.
5. Concrete masonry units shall conform to ASTM C90 for load bearing concrete masonry units. Concrete brick shall conform to ASTM C55, Specifications for Concrete Building Brick.
6. Grade N concrete bricks are for use as architectural veneer and facing, limited to in exterior walls.
7. Grade S concrete bricks are for general use where moderate strength and resistance to frost action and moisture penetration is required.

STRENGTH

8. The specified compressive strength of masonry, $f'm$, shall be 2000 psi, unless noted otherwise.

SPECIAL INSPECTION

9. Special inspection for concrete masonry construction shall be carried out in accordance with Building Code Section 1704 and requirements in Special Inspection tables on sheet S-0.11. Masonry compressive strength, $f'm$ shall be verified by Unit strength method or Prism test method prior to and during construction as described in Building Code, Section 2105.



SECTION 074213.23 - METAL COMPOSITE MATERIAL WALL PANELS

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 metal composite material wall panels.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for each type of panel and accessory.
- B. Shop Drawings:
 - 1. Include fabrication and installation layouts of metal composite material panels; details of edge conditions, joints, panel profiles, corners, anchorages, attachment assembly, trim, flashings, closures, and accessories; and special details.
 - 2. Accessories: Include details of the flashing, trim and anchorage, at a scale of not less than 1-1/2 inches per 12 inches (1:10).
- C. Samples for Initial Selection: For each type of metal composite material panel indicated with factory-applied color finishes.
 - 1. Include similar Samples of trim and accessories involving color selection.
- D. Samples for Verification: For each type of exposed finish required, prepared on Samples of size indicated below.
 - 1. Metal Composite Material Panels: 12 inches (305 mm) long by actual panel width. Include fasteners, closures, and other metal composite material panel accessories.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For each product, tests performed by a qualified testing agency.
- C. Field quality-control reports.

- D. Sample Warranties: For special warranties.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For metal composite material panels to include in maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.
- B. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver components, metal composite material panels, and other manufactured items so as not to be damaged or deformed. Package metal composite material panels for protection during transportation and handling.
- B. Unload, store, and erect metal composite material panels in a manner to prevent bending, warping, twisting, and surface damage.
- C. Stack metal composite material panels horizontally on platforms or pallets, covered with suitable weathertight and ventilated covering. Store metal composite material panels to ensure dryness, with positive slope for drainage of water. Do not store metal composite material panels in contact with other materials that might cause staining, denting, or other surface damage.
- D. Retain strippable protective covering on metal composite material panels during installation.
- E. Copper Panels: Wear gloves when handling to prevent fingerprints and soiling of surface.

1.8 FIELD CONDITIONS

- A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit assembly of metal composite material panels to be performed according to manufacturers' written instructions and warranty requirements.

1.9 COORDINATION

- A. Coordinate metal composite material panel installation with rain drainage work, flashing, trim, construction of soffits, and other adjoining work to provide a leakproof, secure, and noncorrosive installation.

1.10 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of metal composite material panel systems that fail in materials or workmanship within specified warranty period.
1. Failures include, but are not limited to, the following:
 - a. Structural failures including rupturing, cracking, or puncturing.
 - b. Deterioration of metals and other materials beyond normal weathering.
 2. Warranty Period: **Two** years from date of Substantial Completion.
- B. Special Warranty on Panel Finishes: Manufacturer's standard form in which manufacturer agrees to repair finish or replace metal composite material panels that show evidence of deterioration of factory-applied finishes within specified warranty period.
1. Exposed Panel Finish: Deterioration includes, but is not limited to, the following:
 - a. Color fading more than 5 Hunter units when tested according to ASTM D2244.
 - b. Chalking in excess of a No. 8 rating when tested according to ASTM D4214.
 - c. Cracking, checking, peeling, or failure of paint to adhere to bare metal.
 2. Finish Warranty Period: **20** years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PVDF FINISHED ALUMINUM CANOPY CLADDING PANELS

- a. Products: Subject to review of action submittals by the Architect for compliance with requirements, provide panels by the manufacturer indicated on the drawings, or an acceptable substitution by one of the following:
1. Firestone Building Products.
 2. AEP Span: A BlueScope Steel Company
 3. ATAS International, Inc.
 4. Berridge Manufacturing Company.
 5. Morin Corp.
- b. General: Provide aluminum panels designed to be field assembled by lapping side edges of adjacent panels and mechanically attaching panels to supports using exposed fasteners in side laps. Include accessories required for weathertight installation.
- c. Structural Performance: Provide metal panel systems capable of withstanding the effects of the following loads, based on testing according to ASTM E330/E330M:
1. Wind Loads: 30 pounds per square foot.
 2. Other Design Loads: As required by the authorities having jurisdiction (AHJ).
 3. Deflection Limits: For wind loads, no greater than 1/180 of the span.
- d. Thermal Movements: Allow for thermal movements from ambient and surface temperature changes by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base calculations on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.

1. Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.
- e. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal panels unless otherwise indicated.
- f. Flashing and Trim: Provide flashing and trim formed from same material as metal panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, bases, drips, sills, jambs, corners, endwalls, framed openings, rakes, fasciae, parapet caps, soffits, reveals, and fillers. Finish flashing and trim with same finish system as adjacent metal panels.
- g. Panel Fasteners: Self-tapping screws designed to withstand design loads. Provide exposed fasteners with heads matching color of metal panels by means of plastic caps or factory-applied coating. Provide EPDM or PVC sealing washers for exposed fasteners.
- h. Panel Sealants: ASTM C920; elastomeric polyurethane or silicone sealant; of type, grade, class, and use classifications required to seal joints in metal panels and remain weathertight; and as recommended in writing by metal panel manufacturer.

2.2 PVDF ALUMINUM FINISHES (COLORS AS SELECTED BY ARCHITECT)

- a. Fluoropolymer Two-Coat System: Manufacturer's standard two-coat, thermocured system consisting of specially formulated inhibitive primer and fluoropolymer color topcoat containing not less than 70 percent polyvinylidene fluoride resin by weight; complying with physical properties and coating performance requirements of AAMA 2604 or AAMA 2605, except as modified below:
 1. Humidity Resistance: 1000 hours.
 2. Salt-Spray Resistance: 1000 hours.
 3. Color as selected by the Architect.
- b. Concealed Finish: Apply pretreatment and manufacturer's standard white or light-colored acrylic or polyester backer finish, consisting of prime coat and wash coat with a minimum total dry film thickness of 0.5 mil (0.013 mm).
- c. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.3 MISCELLANEOUS MATERIALS

- A. Miscellaneous Metal Subframing and Furring: ASTM C645, cold-formed, metallic-coated steel sheet ASTM A653/A653M, **G90 (Z275 hot-dip galvanized)** coating designation or ASTM A792/A792M, **Class AZ50 (Class AZM150)** aluminum-zinc-alloy coating designation unless otherwise indicated. Provide manufacturer's standard sections as required for support and alignment of metal composite material panel system.
- B. Panel Accessories: Provide components required for a complete, weathertight panel system including trim, copings, fasciae, mullions, sills, corner units, clips, flashings, sealants, gaskets, fillers, closure strips, and similar items. Match material and finish of metal composite material panels unless otherwise indicated.
- C. Flashing and Trim: Provide flashing and trim formed from same material as metal composite material panels as required to seal against weather and to provide finished appearance. Locations include, but are not limited to, bases, drips, sills, jambs, corners, endwalls, framed

openings, rakes, fasciae, parapet caps, soffits, reveals, and fillers. Finish flashing and trim with same finish system as adjacent metal composite material panels.

- D. Panel Fasteners: Self-tapping screws designed to withstand design loads. Provide exposed fasteners with heads matching color of metal composite material panels by means of plastic caps or factory-applied coating. Provide EPDM or PVC sealing washers for exposed fasteners.
- E. Panel Sealants: ASTM C920; elastomeric polyurethane or silicone sealant; of type, grade, class, and use classifications required to seal joints in metal composite material panels and remain weathertight; and as recommended in writing by metal composite material panel manufacturer.

2.4 FABRICATION

- A. General: Fabricate and finish metal composite material panels and accessories at the factory, by manufacturer's standard procedures and processes, as necessary to fulfill indicated performance requirements demonstrated by laboratory testing. Comply with indicated profiles and with dimensional and structural requirements.
- B. Sheet Metal Flashing and Trim: Fabricate flashing and trim to comply with manufacturer's recommendations and recommendations in SMACNA's "Architectural Sheet Metal Manual" that apply to design, dimensions, metal, and other characteristics of item indicated.
 - 1. Form exposed sheet metal accessories that are without excessive oil canning, buckling, and tool marks and that are true to line and levels indicated, with exposed edges folded back to form hems.
 - 2. Seams for Aluminum: Fabricate nonmoving seams with flat-lock seams. Form seams and seal with epoxy seam sealer. Rivet joints for additional strength.
 - 3. Seams for Other Than Aluminum: Fabricate nonmoving seams in accessories with flat-lock seams. Tin edges to be seamed, form seams, and solder.
 - 4. Sealed Joints: Form non-expansion, but movable, joints in metal to accommodate sealant and to comply with SMACNA standards.
 - 5. Conceal fasteners and expansion provisions where possible. Exposed fasteners are not allowed on faces of accessories exposed to view.
 - 6. Fabricate cleats and attachment devices from same material as accessory being anchored or from compatible, noncorrosive metal recommended in writing by metal panel manufacturer.
 - a. Size: As recommended by SMACNA's "Architectural Sheet Metal Manual" or metal wall panel manufacturer for application but not less than thickness of metal being secured.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances, metal composite material panel supports, and other conditions affecting performance of the Work.

1. Examine wall framing to verify that girts, angles, channels, studs, and other structural panel support members and anchorage have been installed within alignment tolerances required by metal composite material wall panel manufacturer.
 2. Examine wall sheathing to verify that sheathing joints are supported by framing or blocking and that installation is within flatness tolerances required by metal composite material wall panel manufacturer.
 - a. Verify that air- or water-resistive barriers have been installed over sheathing or backing substrate to prevent air infiltration or water penetration.
- B. Examine roughing-in for components and assemblies penetrating metal composite material panels to verify actual locations of penetrations relative to seam locations of metal composite material panels before installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Miscellaneous Supports: Install subframing, furring, and other miscellaneous panel support members and anchorages according to ASTM C754 and metal composite material panel manufacturer's written recommendations.

3.3 METAL COMPOSITE MATERIAL PANEL INSTALLATION

- A. General: Install metal composite material panels according to manufacturer's written instructions in orientation, sizes, and locations indicated on Drawings. Install panels perpendicular to supports unless otherwise indicated. Anchor metal composite material panels and other components of the Work securely in place, with provisions for thermal and structural movement.
1. Shim or otherwise plumb substrates receiving metal composite material panels.
 2. Flash and seal metal composite material panels at perimeter of all openings. Fasten with self-tapping screws. Do not begin installation until air- or water-resistive barriers and flashings that will be concealed by metal composite material panels are installed.
 3. Install screw fasteners in predrilled holes.
 4. Locate and space fastenings in uniform vertical and horizontal alignment.
 5. Install flashing and trim as metal composite material panel work proceeds.
 6. Locate panel splices over, but not attached to, structural supports. Stagger panel splices and end laps to avoid a four-panel lap splice condition.
 7. Align bottoms of metal composite material panels and fasten with blind rivets, bolts, or self-tapping screws. Fasten flashings and trim around openings and similar elements with self-tapping screws.
 8. Provide weathertight escutcheons for pipe- and conduit-penetrating panels.
- B. Fasteners:
1. Aluminum Panels: Use aluminum or stainless-steel fasteners for surfaces exposed to the exterior; use aluminum or galvanized-steel fasteners for surfaces exposed to the interior.
 2. Copper Panels: Use copper, stainless-steel or hardware-bronze fasteners.

- C. Metal Protection: Where dissimilar metals contact each other or corrosive substrates, protect against galvanic action as recommended in writing by metal composite material panel manufacturer.
- D. Attachment Assembly, General: Install attachment assembly required to support metal composite material wall panels and to provide a complete weathertight wall system, including subgirts, perimeter extrusions, tracks, drainage channels, panel clips, and anchor channels.
 - 1. Include attachment to supports, panel-to-panel joinery, panel-to-dissimilar-material joinery, and panel-system joint seals.
- E. Installation: Attach metal composite material wall panels to supports at locations, spacings, and with fasteners recommended by manufacturer to achieve performance requirements specified.
 - 1. Wet Seal Systems: Seal horizontal and vertical joints between adjacent metal composite material wall panels with sealant backing and sealant. Install sealant backing and sealant according to requirements specified in Section 079200 "Joint Sealants."
 - 2. Dry Seal Systems: Seal horizontal and vertical joints between adjacent metal composite material wall panels with manufacturer's standard gasket system.
 - 3. Rainscreen Systems: Do not apply sealants to joints unless otherwise indicated.
- F. Clip Installation: Attach panel clips to supports at locations, spacings, and with fasteners recommended by manufacturer. Attach routed-and-turned flanges of wall panels to panel clips with manufacturer's standard fasteners.
 - 1. Seal horizontal and vertical joints between adjacent panels with sealant backing and sealant. Install sealant backing and sealant according to requirements specified in Section 079200 "Joint Sealants."
 - 2. Seal horizontal and vertical joints between adjacent metal composite material wall panels with manufacturer's standard gaskets.
- G. Subgirt-and-Spline Installation: Install support assembly at locations, spacings, and with fasteners recommended by manufacturer. Use manufacturer's standard subgirts and splines that provide support and complete secondary drainage assembly, draining to the exterior at horizontal joints. Attach metal composite material wall panels by interlocking perimeter extrusions attached to panels with subgirts and splines. Fully engage integral subgirt-and-spline gaskets and leave horizontal and vertical joints with open reveal. Terminate edge of panels flush with perimeter extrusions.
 - 1. Install wall panels to allow individual panels to "free float" and be installed and removed without disturbing adjacent panels.
 - 2. Do not apply sealants to joints unless otherwise indicated.
- H. Track-Support Installation: Install support assembly at locations, spacings, and with fasteners recommended by manufacturer. Use manufacturer's standard horizontal tracks and vertical [tracks] [drain channels] that provide support and secondary drainage assembly, draining to the exterior at horizontal joints through drain tube. Attach metal composite material wall panels to tracks by interlocking panel edges with manufacturer's standard "T" clips.
 - 1. Attach routed-and-turned flanges of wall panels to perimeter extrusions with manufacturer's standard fasteners.

2. Attach flush wall panels to perimeter extrusions by engaging panel edges and by attaching with manufacturer's standard structural silicone adhesive.
 3. Do not apply sealants to joints unless otherwise indicated.
- I. Rainscreen-Principle Installation: Install using manufacturer's standard assembly with vertical channel that provides support and secondary drainage assembly, draining at base of wall. Notch vertical channel to receive support pins. Install vertical channels supported by channel brackets or adjuster angles and at locations, spacings, and with fasteners recommended by manufacturer. Attach metal composite material wall panels by inserting horizontal support pins into notches in vertical channels and into flanges of panels. Leave horizontal and vertical joints with open reveal.
1. Install wall panels to allow individual panels to be installed and removed without disturbing adjacent panels.
 2. Do not apply sealants to joints unless otherwise indicated.
- J. Accessory Installation: Install accessories with positive anchorage to building and weathertight mounting, and provide for thermal expansion. Coordinate installation with flashings and other components.
1. Install components required for a complete metal composite material panel assembly including trim, copings, corners, seam covers, flashings, sealants, gaskets, fillers, closure strips, and similar items. Provide types indicated by metal composite material panel manufacturer; or, if not indicated, provide types recommended in writing by metal composite material panel manufacturer.
- K. Flashing and Trim: Comply with performance requirements, manufacturer's written installation instructions, and SMACNA's "Architectural Sheet Metal Manual." Provide concealed fasteners where possible, and set units true to line and level as indicated. Install work with laps, joints, and seams that are permanently watertight.
1. Install exposed flashing and trim that is without buckling and tool marks and that is true to line and levels indicated, with exposed edges folded back to form hems. Install sheet metal flashing and trim to fit substrates and to result in waterproof performance.
 2. Expansion Provisions: Provide for thermal expansion of exposed flashing and trim. Space movement joints at a maximum of **10 feet (3 m)** with no joints allowed within **24 inches (605 mm)** of corner or intersection. Where lapped expansion provisions cannot be used or would not be sufficiently waterproof, form expansion joints of intermeshing hooked flanges, not less than **1 inch (25 mm)** deep, filled with mastic sealant (concealed within joints).

3.4 ERECTION TOLERANCES

- A. Installation Tolerances: Shim and align metal composite material wall panel units within installed tolerance of **1/4 inch in 20 feet (6 mm in 6 m)**, non-accumulative, on level, plumb, and location lines as indicated, and within **1/8-inch (3-mm)** offset of adjoining faces and of alignment of matching profiles.

3.5 FIELD QUALITY CONTROL

- A. Testing Agency: **Engage** a qualified independent testing agency to perform field tests and inspections.
- B. Water-Spray Test: After installation, test area of assembly for water penetration according to AAMA 501.2.
- C. Manufacturer's Field Service: Engage a factory-authorized service representative to test and inspect completed metal composite material wall panel installation, including accessories.
- D. Metal composite material wall panels will be considered defective if they do not pass test and inspections.
- E. Additional tests and inspections, at Contractor's expense, are performed to determine compliance of replaced or additional work with specified requirements.
- F. Prepare test and inspection reports.

3.6 CLEANING AND PROTECTION

- A. Remove temporary protective coverings and strippable films, if any, as metal composite material panels are installed, unless otherwise indicated in manufacturer's written installation instructions. On completion of metal composite material panel installation, clean finished surfaces as recommended by metal composite material panel manufacturer. Maintain in a clean condition during construction.
- B. After metal composite material panel installation, clear weep holes and drainage channels of obstructions, dirt, and sealant.
- C. Replace metal composite material panels that have been damaged or have deteriorated beyond successful repair by finish touchup or similar minor repair procedures.

END OF SECTION 074213.23

SECTION 11 40 00
FOOD SERVICE EQUIPMENT

PART 1 - GENERAL

1.1 SUMMARY

- A. The work referred to in this section consists of furnishing all labor and material required to provide and deliver all food service equipment hereinafter specified into the building, uncrate, assemble, hang, set in place, level, and completely install, exclusive of final utility connections. Final utility connections to all equipment, shall be part of the work under additional appropriate sections of the work and not part of the food service work.
1. The equipment and its component parts shall be new and unused. All items of standard manufactured equipment shall be current models at the time of delivery. Parts subject to wear, breakage, or distortion shall be accessible for adjustment, replacement and repair.
 2. The materials or products specified herein by trade names, manufacturer's name or catalog number shall be provided as specified. Substitutions will not be permitted unless approved by owner's representative in writing no later than 10 days prior to bidding. This stipulation applies to all equipment and materials.
 - a. Any request for substitution or alternate must include documentation supporting that the requested substitution/alternate will perform in all aspects as well as the original specification. Alternative exhaust hood manufacturers are required to provide heat load based design exhaust volume calculations prior to alternate being considered. Request must include the following:
 - 1) Grease filtration performance data and manufacturer's own airflow calculations based on convective heat load of cooking equipment beneath the hood.
 - 2) Efficiency comparison data performed in accordance with ASTM Standard F1704-96 for a standard 24" high exhaust hood.
 - 3) A written guarantee of compliance with Title 24 Part 6 with Kitchen Ventilation acceptance tests NA7.11.1.2 and NA7.11.1.3.
 - b. Should no request for substitution be received and approved as stated above, the project is to be provided as specified.
 3. The food service equipment contractor shall be responsible for all costs associated with the acceptable alternate or approved alternate items, if the item requires additional space or specific utilities that differ from specifications or drawings. The FSEC is responsible for all coordination, documentation and costs associated with any alternate item that was not submitted for approval and accepted by the consultant prior to bid. The FSEC shall be responsible for any costs associated with building changes, utility changes and drawings changes. The food service equipment contractor shall be responsible to pay Webb

SUMMARY OF WORK
11 40 00 - 1
Palo Verde College
Child Development Center Blythe

Foodservice Design to review proposed substitutions. These costs will be billed at an hourly rate of \$135/hr. All proposed substitutions shall be accompanied with supporting factory quotes for both specified and proposed manufacturer including factory contact information. Food service equipment contractor must completely fill out the foodservice substitution request form. The substitution form may be downloaded at the following link: https://webbfoodservicedesign-my.sharepoint.com/:b/g/personal/coca_webbfsd_com/ESjs7rGVdF9CqFIUKzREds8BjliPN8x9dma29WrjxegncQ?e=2FgU1d

- B. Coordinate Owner and Vendor-supplied equipment noted on the drawings or in the specifications as NIFSEC, "not in food service equipment contract". Show on roughing in Plans and sizes, utilities, and other requirements as furnished in the specifications, by owner or appropriate supplier in submittals as if the equipment is contractor furnished.
- C. Bidders shall carefully examine the specifications and the project site including location and condition of existing equipment to determine cost for each "Existing-Reset" and "Existing-Modify" item to cover removal, modification (including materials), cleaning, inspection for damage, repair and resetting.
- D. Field measurements shall be made prior to fabrication or installation of any equipment item.
- E. The cutting of holes in equipment for pipe, drains, electrical outlets, etc., required for this installation, shall be part of this work. Work shall conform to the highest standards of workmanship and shall include welded sleeves, collars, ferrules and escutcheons.
- F. Repair of all damage to the premises as a result of the equipment installation as well as the removal of all debris left by the work of this section.
- G. Food service equipment and fixtures shall be cleaned and ready for operation at the time the facility is turned over to the Owner for final inspection by the Owner's Representative.
- H. Food Service Equipment Contractor shall be responsible for coordinating with the Architect and Contractor in submitting all applicable documents.
- I. All bidders shall submit with their itemized costing a list of the subcontractors that are included in their bids and a complete "schedule of values" for all equipment and labor.
- J. The food service equipment contractor shall submit an itemized Schedule of Values to Webb Foodservice Design for acceptance no later than 14 days after bid date using the "Schedule of Values" form. The Schedule of Values form may be downloaded at the

following link: https://webbfoodservicedesign-my.sharepoint.com/:x/g/personal/coca_webbfsd_com/EfTf-zcAJJmKwocQ8bOMZYBb2fAGz5KWGpGQGlgTZSR7A?e=7w1ldx

1.2 RELATED SECTIONS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

SUMMARY OF WORK
11 40 00 - 2
Palo Verde College
Child Development Center Blythe

- B. Related Work In Other Sections by appropriate trades include the following:
1. Division 5 Section "Metal Fabrications" for equipment supports.
 2. Division 6 Section "Interior Architectural Woodwork" for wood casework and plastic laminate substrates.
 3. Refer to Division 23 Sections for supply and exhaust fans; exhaust ductwork; demand control ventilation requirements; service roughing-ins; drain traps; atmospheric vents; valves, pipes, and fittings; fire extinguishing systems; and other materials required to complete food service equipment installation.
 4. Refer to Division 26 & 28 Sections for connections to fire alarm systems, wiring, disconnects, and other electrical materials required to complete food service equipment installation.
- C. All electric services including wiring to, and final connections to, the fixtures except, as specified differently in the specifications, drawings, or herein.
- D. All water, waste and gas services to the fixtures including shut-off valves, trim, traps, etc., and final connections to the fixtures, except as specified differently in the specifications, drawings, or herein.
- E. All hood or ventilator duct work above the connection position on such exhaust hoods or exhaust ventilators, except as specified differently in the specifications, drawings, or herein. Final welded connections at the junction point of exhaust hoods or exhausts ventilators, shall be part of the food service work.
- F. Floors, quarry tile, concrete bases, walls, ceilings, finishes and related building work, except as specified differently in the specifications, drawings or herein.

1.3 DEFINITIONS

- A. Terminology Standard: Refer to NSF 2, "Food Equipment", NSF 4, Heated Cabinets, NSF 7, Refrigerated Equipment, or other applicable NSF standards for definitions of food service equipment and installation terms not otherwise defined in this Section or in other referenced standards.
- B. FSEC: Food Service Equipment Contractor
- C. Owner-Furnished Equipment: Where indicated, Owner will furnish equipment items.
- D. Vendor-Furnished Equipment: Where indicated the Owner's or operator's vendor will furnish equipment items.
- E. NIFSEC: Not Included in Food Service Equipment Contract.

1.4 SUBMITTALS

- A. Submittal Process: All submittals will be reviewed within 10 days upon receipt by Webb Foodservice Design. All submittals shall be separated as a stand-alone digital file and submittal

by discipline with identifying tracking number (i.e. 11400.1, 11400.2 etc..) as listed below. Any other disciplines for particular project will be submitted and given the next available tracking number. Do not submit all files into one document, submittals must be received and reviewed as separate packages as outlines below:

1. 11400.1 Product Data Submittal Book
 2. 11400.2 FSEC Utility Rough-in Construction Documents Drawings
 3. 11400.3 Walk In Box Submittal
 4. 11400.4 Refrigeration Rack Submittal
 5. 11400.5 Exhaust Hood Submittal
 6. 11400.6 Fire Suppression Submittal
 7. 11400.7 Custom Stainless Steel Submittal
 8. 11400.8 Custom Millwork Submittal
 9. 11400.9 Custom Sneeze Guards Submittal
- B. Regardless of drawing formats provided it will remain the responsibility of equipment supplier to develop submittals in accordance with the Specific Conditions and assume all required responsibilities there to. The consultant is not to be liable for errors or omissions by the FSEC's use of electronic data provided by the Consultant or the development of data used in the submittal approval process. Checking product data, rough-in drawings, wall backing drawings, shop drawings, and refrigeration drawings by Designer is for design concept only, and does not relieve the Food Service Equipment Contractor of responsibility for compliance with Contract Documents, verification of utilities with equipment requirements for conformity and location, verification of all dimensions of equipment and building conditions or reasonable adjustments due to deviations.
- C. The Food Service Equipment Contractor shall review and provide an affidavit through the proper channels and chain of command with each submittal stating that such review has been completed by an authorized agent of the food service equipment contractor.
- D. Product Data: For each type of food service equipment indicated. Include manufacturer's model number and accessories and requirements for access and maintenance clearances, water and drainage, power or fuel, and service-connections including roughing-in dimensions.
- E. Shop Fabrication Drawings: For food service equipment not manufactured as standard production and/or catalog items by manufacturers the fabricator of the equipment shall prepare and submit through the Food Service Equipment Contractor one electronic file of all shop drawings showing all information necessary for the fabrication and installation of the work of this section. Include plans, elevations sections, material schedule, roughing-in dimensions, fabrication details, service requirements and attachments to other work. All drawings to be fully detailed and dimensioned to a minimum scale of $\frac{3}{4}$ inch to the foot for plan and elevation views and $1\frac{1}{2}$ inch to the foot for section views. Reduced or enlarged drawings are not acceptable. Drawings not submitted in the proper format will be returned as unreviewed.

1. Wiring Diagrams: Details of wiring for power, signal, and control systems and differentiating between manufacturer-installed and field-installed wiring.
 2. Piping Diagrams: Details of piping systems and differentiating between manufacturer-installed and field-installed piping.
 3. All custom fixtures shop drawings must show proper sneeze guard and built-in equipment relationships as well as all switch locations.
- F. Coordination Drawings: For locations of food service equipment and service utilities. Key equipment with item numbers and descriptions indicated in Contract Documents. Include plans and elevations of equipment, access- and maintenance-clearance requirements, details of concrete, masonry or metal bases and floor depressions, and service-utility characteristics. Ventilation requirements for refrigerated equipment shall be identified in these drawings.
- G. Contract Document Drawings:
1. Drawings furnished, constitute a part of these specifications and show locations of equipment and general arrangement of mechanical and electrical services. Necessary deviation from the illustrated arrangements to meet structural conditions, shall be considered a part of the work of this section. Such deviations shall be made without expense to the owner. Equipment drawings are definitive only and should not be used as construction documents or shop details.
 2. The drawings are for the assistance and guidance of the Food Service Equipment Contractor. Exact locations shall be governed by the building configuration. The Food Service Equipment Contractor shall accept his contract with this understanding.
 3. Should there be a conflict between the drawings and the specifications, the FSEC shall submit a "Request for Information" (RFI) for clarification.
- H. Utility Rough-in Drawings:
1. The Food Service Equipment Contractor shall prepare and submit one electronic file each (separately), of all roughing-in drawings, showing information necessary for the roughing-in of refrigerant lines, syrup/beer lines, plumbing, steam, mechanical and electrical utility requirements. Drawings shall also include construction requirements necessary for all equipment including floor depressions, raised bases, wall blocking, wall recesses and any critical dimensions for specific equipment requirements. Acceptance will be made upon the electronic file or one print which will be returned to the Food Service Equipment Contractor for reproduction purposes. Drawings not properly submitted in this format, will not be reviewed. Drawings without an "Accepted" or "Accepted as noted" stamp, will not be considered an authorized shop drawing and will not be allowed on the job site.
 - a. Furnish four (4) sets "Accepted" and/or "Accepted as Noted" shop drawings, for distribution to the field, as directed.
- I. Samples for Initial Selection: Manufacturer's color charts showing the full range of colors available for exposed products with color finishes.

- J. Samples for Verification: Of each type of exposed finish required, minimum 4-inch- (100-mm-) square or 6-inch- (150-mm-) long sections of linear shapes and of same thickness and material indicated for work. Where finishes involve normal color and texture variations, include Sample sets showing the full range of variations expected.
- K. Product Certificates: Signed by manufacturers of refrigeration systems, refrigerated equipment or their authorized agents certifying that systems furnished comply with NSF 7 requirements and will maintain operating temperatures indicated in the areas or equipment that they will serve.
- L. Maintenance Data: Operation, maintenance, and parts data for food service equipment to include in the maintenance manuals specified in Division 1. Include a product schedule as follows:
 - 1. Product Schedule: For each food service equipment item, include item number and description indicated in Contract Documents, manufacturer's name and model number, and authorized service agencies' addresses and telephone numbers.
 - 2. See itemized specifications for closeout and owner's maintenance manual requirements.

1.5 QUALITY ASSURANCE AND LAWS AND ORDINANCES

- A. Installer Qualifications: Engage an experienced installer to perform work of this Section who has specialized in installing food service equipment, who has completed installations similar in design and extent to that indicated for this Project, and who has a record of successful in-service performance. See specifications section 3.5 for installation requirements pertaining to refrigeration, fire suppression, and walk in box installation as well as food service drawings.
- B. Manufacturer Qualifications: Engage a firm experienced in manufacturing food service equipment similar to that indicated for this Project and with a record of successful in-service performance. See itemized specifications section 3.5 for custom fabricated stainless steel and/or millwork. Food Service Equipment Contractor to submit and procure specified custom manufacturer as listed in the itemized specifications as this company has demonstrated quality control and proper coordination from design development through closeout requirements.
- C. Source Limitations: Obtain each type of food service equipment through one source from a single manufacturer.
- D. Product Options: Drawings indicate food service equipment based on the specific products indicated. Other manufacturers' equipment with equal size and performance characteristics may be considered. Refer to Division 1 Section "Substitutions."
- E. Regulatory Requirements: Comply with the following National Fire Protection Association (NFPA) and California Electrical Codes (CBC) codes:
 - 1. NFPA 17, "Dry Chemical Extinguishing Systems."
 - 2. NFPA 17A, "Wet Chemical Extinguishing Systems."
 - 3. NFPA 54, "National Fuel Gas Code."
 - 4. NFPA 96, "Ventilation Control and Fire Protection of Commercial Cooking Operations."

5. CEC, California Electrical Code, 2019
 6. The FSEC shall certify that all work and materials comply with Federal, State and Local laws, ordinances, and regulations and is confirmed by the local inspector having jurisdiction.
 - a. US PUBLIC HEALTH SERVICE
 - b. LOCAL HEALTH DEPARTMENT
 - c. OSHA
 - d. UL
 - e. HACCP
 - f. NFPA 96 – Current
 - g. ADA
 - h. OSHPD
 - i. DSA
- F. Listing and Labeling: Provide electrically operated equipment or components specified in this Section that are listed and labeled.
1. The Terms "Listed" and "Labeled": As defined in the National Electrical Code, Article 100.
 2. Listing and Labeling Agency Qualifications: A "Nationally Recognized Testing Laboratory" (NRTL) as defined in OSHA Regulation 1910.7.
- G. AGA Certification: Provide gas-burning appliances certified by the American Gas Association (AGA).
- H. ASME Compliance: Fabricate and label steam-generating and closed steam-heating equipment to comply with ASME Boiler and Pressure Vessel Code.
- I. ASHRAE Compliance: Provide mechanical refrigeration systems complying with the American Society of Heating, Refrigerating and Air-Conditioning Engineers' ASHRAE 15, "Safety Code for Mechanical Refrigeration."
- J. Food Service Equipment: Where provided, check-out aisles, sales counters, service counters, food service lines, queues, and waiting lines shall comply with CBC Sections 11B-227 and 11B-904. The top of tray slides shall be 28" minimum and 34" maximum above finish floor. Space and elements within food service employee work areas shall meet the requirements of CBC Section 11B-203.9. Food service equipment required to be accessible shall conform to all reach requirements in CBC Figures 2016, 11B-403.5.1, 11B-227.4, 11B-904.5, 11B-904.5.1, and 11B-904.5.2.

- K. NSF Standards: Comply with applicable NSF International (NSF) standards and criteria and provide NSF, UL Sanitation or ETL Sanitation Certification Mark on each equipment item, unless otherwise indicated.
 - L. ANSI Standards: Comply with applicable ANSI standards for electric-powered and gas-burning appliances; for piping to compressed-gas cylinders; and for plumbing fittings, including vacuum breakers and air gaps, to prevent siphonage in water piping.
 - M. SMACNA Standard: Where applicable, fabricate food service equipment to comply with the Sheet Metal and Air Conditioning Contractors National Association's (SMACNA) "Food Service Equipment Fabrication Guidelines," unless otherwise indicated.
 - N. Seismic Restraints: Provide seismic restraints for food service equipment according to the Sheet Metal and Air Conditioning Contractors National Association's (SMACNA) "Food Service Equipment Fabrication Guidelines," appendix 1, "Guidelines for Seismic Restraints of Kitchen Equipment," unless otherwise indicated.
 - O. Pre-installation Conference: Conduct conference at Project site to comply with requirements of Division 1 Section "Project Meetings."
 - P. Pre-installation Conference: Conduct conference at Project site to comply with requirements of Division 1 Section "Project Meetings." Review methods and procedures related to food service equipment including, but not limited to, the following:
 - 1. Review access requirements for equipment delivery.
 - 2. Review equipment storage and security requirements.
 - 3. Inspect and discuss condition of substrate and other preparatory work performed by other trades.
 - 4. Review structural loading limitations.
 - 5. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - Q. Walk-in cooler and/or freezer shall comply with CBC Figures 2016, 11B-404.2.4, 11B-404.2.4.4, 11B-404.2.7 and 11B-309.4.
- 1.6 DELIVERY, STORAGE, AND HANDLING
- A. Deliver food service equipment as factory-assembled units with protective crating and covering.
 - B. Store food service equipment in original protective crating and covering and in a dry location.
- 1.7 PROJECT CONDITIONS
- A. Field Measurements: Verify dimensions of food service equipment installation areas by field measurements before equipment fabrication and indicate measurements on Shop Drawings and Coordination Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish required dimensions and proceed with fabricating equipment without field measurements. Coordinate construction to ensure actual dimensions correspond to established dimensions.
2. Food service aisles shall be a minimum 36" wide and tray slides shall be mounted at 34" maximum above the floor. Ensure compliance with paragraphs 1.5.J and 1.5.Q.
3. Pass-thru windows for food service shall conform to the reach and access requirements of paragraphs 1.5.J and 1.5.Q. Accessible pass-thru shelves shall not exceed 34-inch height above interior finished floor surface or exterior pavement.

1.8 COORDINATION

- A. Coordinate equipment layout and installation with other work, including light fixtures, HVAC equipment, and fire-suppression system components.
- B. Coordinate location and requirements of service-utility connections.
- C. Coordinate size, location, and requirements of concrete bases, positive slopes to drains, floor depressions, and insulated floors. Concrete, reinforcement, and formwork requirements are specified in Division 3 Section "Cast-in-Place Concrete."
- D. Coordinate installation of roof curbs, equipment supports, and roof penetrations. These items are specified in Division 7 Section "Roof Accessories."

1.9 WARRANTY

- A. General Warranty: The special warranty specified in this Article shall not deprive the Owner of other rights the Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by the Contractor under requirements of the Contract Documents. Warranty period: 1 year from date of substantial completion.
- B. Refrigeration Compressor Warranty: 5 years from date of substantial completion. Submit a written warranty signed by manufacturer agreeing to repair or replace compressors that fail in materials or workmanship within the specified warranty period.

PART 2 - PRODUCTS

2.1 MATERIALS - METAL

- A. Submit a certified copy of the mill analysis of materials if requested by the Architect.
- B. Finish shall be 304 #4 brushed finished except edges where it shall be #8 polished finish.
- C. Protective covering shall be provided on all polished surfaces of stainless steel sheet work, and retained and maintained until time of final testing, cleaning, start-up and substantial completion.
- D. Stainless-Steel Sheet, Strip, Plate, and Flat Bar: ASTM A 666, Type 304, stretcher leveled, and in finish specified in "Stainless-Steel Finishes" Article.

SUMMARY OF WORK
11 40 00 - 9
Palo Verde College
Child Development Center Blythe

1. Stainless steel finishes
 - a. General: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations relative to applying and designating finishes.
 - 1) Remove or blend tool and die marks and stretch lines into finish.
 - 2) Grind and polish surfaces to produce uniform, directional textured, polished finish indicated, free of cross scratches. Run grain with long dimension of each piece.
 - b. Concealed surfaces: No. 2B finish (bright, cold-rolled, unpolished finish).
 - c. Exposed surfaces: No. 4 finish (bright, directional polish).
 - d. When polishing is completed, passivate and rinse surfaces. Remove embedded foreign matter and leave surfaces chemically clean.
 - e. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipment.
- E. Stainless-Steel Tube: ASTM A 554, Grade MT-304, and in finish specified in "Stainless-Steel Finishes" Article.
- F. Zinc-Coated Steel Sheet: ASTM A 653, G115 (ASTM A 653M, Z350) coating designation; commercial quality; cold rolled; stretcher leveled; and chemically treated.
- G. Zinc-Coated Steel Shapes: ASTM A 36 (ASTM A 36M), zinc-coated according to ASTM A 123 requirements.
- H. Sealant: ASTM C 920; Type S, Grade NS, Class 25, Use NT. Provide elastomeric sealant NSF certified for end-use application indicated. Provide sealant that, when cured and washed, meets requirements of Food and Drug Administration's 21 CFR, Section 177.2600 for use in areas that come in contact with food.
 1. Color: As selected by Architect from manufacturer's full range of colors.
 2. Backer Rod: Closed-cell polyethylene, in diameter larger than joint width.
- I. Sound Dampening: NSF-certified, nonabsorbent, hard-drying, sound-deadening coating. Provide coating compounded for permanent adhesion to metal in 1/8-inch (3-mm) thickness that does not chip, flake, or blister.
- J. Gaskets: NSF certified for end-use application indicated; of resilient rubber, neoprene, or PVC that is nontoxic, stable, odorless, nonabsorbent, and unaffected by exposure to foods and cleaning compounds.
- K. Casters: NSF-certified, heavy duty, stainless-steel, swivel stem casters with 5-inch- (125-mm-) diameter wheels, polyurethane tires with 1-inch (25-mm) tread width, and 200-lb (90-kg) load capacity per caster. Provide brakes on 2 casters per unit.

- L. Approved manufacturers for custom fabricated equipment are: Stainless Fixtures Inc. (909) 622-1615, B&W Custom Restaurant Equipment (714) 578-0332 or Kemco (909) 923-3153.

2.2 MATERIALS – CASEWORK/MILLWORK

- A. Cabinet Hardware: Provide NSF-certified, stainless-steel hardware for equipment items as indicated. Pulls, Handles and Catches to be included.
- B. All wood to be thoroughly seasoned and kiln dried prior to being used for fabrication of custom casework. All wood to be free from knots, pitchy seams, or other imperfections. All exposed wood to be grade A pine.
- C. All plywood to be thoroughly seasoned and kiln dried prior to being used. All plywood to be free from knots, pitchy seams, and other imperfections. All plywood to be glued with water resistant resin. Particle board may not be substituted for plywood panels. "W.I. - Custom Grade" marine grade plywood is required on all fixtures to be installed in high humidity environments.
- D. All wood to have less than 12% moisture content and be a species listed by the national hardwood association.
- E. Plastic laminates shall be 1/16th thick, general purpose grade GP-50 as manufactured by Wilson Art or equal. Patterns, textures, and colors as specified under individual items. Semi exposed and cabinet liners shall be CL-20. Countertops, backsplashes and edges shall be grade GP-50 on exposed and grade BK-20 on underside of tops. Exposed vertical surfaces and cabinet liners shall be grade CL-20. Sides and edges of shelving shall be grade 50. Adhesive shall be waterproof and low VOC.
- F. Hardware that is furnished and installed shall be of solid material unless specified otherwise. The hardware shall be provided with the necessary mechanisms for locking. All locks shall be furnished with two (2) keys.
- G. Solid Surface Material (SSM) shall be Caesarstone, Silestone or approved equal and installed over 3/4" plywood per manufacturer's instructions. Provide air space, trim and /or insulation around any heat or cold producing equipment to guard against discoloration and cracking.
- H. Approved manufacturers for custom fabricated equipment are: Stainless Fixtures Inc. (909) 622-1615, B&W Custom Restaurant Equipment (714) 578-0332 or Kemco (909) 923-3153.

2.3 FABRICATION, GENERAL, METAL,

- A. Fabricate food service equipment according to NSF (standards 2, 4 & 7) requirements. Factory assemble equipment to the greatest extent possible.
- B. STAINLESS-STEEL EQUIPMENT: for all parts of custom tables, tops, benches, sinks, cabinets, etc., as drawn or as specified, shall be AICI type 304 (18-8 Austenitic). All gauges called for shall be U.S. Standard Gauges, "S/S" or "S.S." as shown in the drawings or specifications, shall indicate stainless steel.
 - 1. Edges and Backsplashes: Provide equipment edges and backsplashes indicated complying with referenced SMACNA standard, unless otherwise indicated.

2. Apply sound dampening to underside of metal work surfaces, including sinks and similar units. Provide coating with smooth surface and hold coating 1 inch (25 mm) back from open edges for cleaning.
3. Tables: Fabricate with reinforced tops, legs, and reinforced undershelves or cross bracing to comply with referenced SMACNA standard, unless otherwise indicated, and as follows:
 - a. Tops: Minimum #14 gauge / 0.0781-inch- (1.984-mm-) thick stainless steel, unless otherwise indicated.
 - b. Legs: 1-5/8 inch (41.3 mm) OD, minimum #16 gauge / 0.0625-inch- (1.588-mm-) thick stain-less steel with stainless-steel gusset and adjustable insert bullet-type feet with minimum adjustment of 1 inch (25 mm) up or down without exposing threads, unless otherwise indicated.
 - c. Undershelves: Minimum #16 gauge / 0.625-inch- (1.588-mm-) thick stainless steel, unless otherwise indicated.
 - d. Top and Undershef Reinforcement: Provide minimum #14 gauge / 0.0781-inch- (1.984-mm-) thick, stainless-steel reinforcing, unless otherwise indicated.
 - e. Cross Bracing: 1-1/4 inch (31.75 mm) OD, minimum #16 gauge / 0.0625-inch- (1.588-mm-) thick stainless steel, unless otherwise indicated.
4. Counters: Fabricate with reinforced tops and undershelves to comply with referenced SMACNA standard, unless otherwise indicated, and as follows:
 - a. Tops: Minimum #14 gauge / 0.0781-inch- (1.984-mm-) thick stainless steel, unless otherwise indicated.
 - b. Undershelves: Minimum #16 gauge / 0.625-inch- (1.588-mm-) thick stainless steel, unless otherwise indicated.
 - c. Top and Undershef Reinforcement: Provide minimum #14 gauge / 0.0781-inch- (1.984-mm-) thick, stainless-steel reinforcing, unless otherwise indicated.
 - d. Doors: Minimum #18 gauge / 0.0478-inch- (1.214-mm-) thick stainless steel, unless otherwise indicated. To be constructed with a integral door pull and to have a pivot hinge. Door to be finished as stainless steel or with a laminate panel insert as noted on drawings.
 - e. Body: Minimum #18 gauge / 0.0478-inch- (1.214-mm-) thick stainless steel, unless otherwise indicated.
 - f. Curb: Minimum #16 gauge / 0.625-inch- (1.588-mm-) thick galvanized steel, unless otherwise indicated.
5. Sinks: Fabricate of minimum #14 gauge / 0.0781-inch- (1.984-mm-) thick stainless steel with fully welded, 1-piece construction. Construct 2 sides and bottom of sink

SUMMARY OF WORK
11 40 00 - 12
Palo Verde College
Child Development Center Blythe

compartment from 1 stainless-steel sheet with ends welded integral and without overlapping joints or open spaces between compartments. Provide double-wall partitions between compartments with 1/2-inch- (13-mm-) radius rounded tops that are welded integral with sink body. Cove horizontal, vertical, and interior corners with 3/4-inch (19-mm) radius. Pitch and crease sinks to waste for drainage without pooling. Seat wastes in die-stamped depressions without solder, rivets, or welding.

- a. Wastes: 2-inch (50-mm), stainless steel ball valve, rotary-handle waste assembly with stainless-steel strainer plate, rough chrome plated body.
 - b. Drainboards: Minimum #14 gauge / 0.0781-inch- (1.984-mm-) thick stainless steel, pitched to sink at 1/8 inch/12 inches (3 mm/300 mm) of length. Reinforce drainboards with minimum #14 gauge / 0.0781-inch- (1.984-mm-) thick stainless steel, unless otherwise indicated.
 - c. Legs: 1-5/8 inch (41.3 mm) OD, minimum #16 gauge / 0.0625-inch- (1.588-mm-) thick stain-less steel with stainless-steel gusset welded to #12 gauge / 0.1094-inch- (2.779-mm-) thick, stainless-steel support plate. Provide adjustable insert bullet-type feet with minimum adjustment of 1 inch (25 mm) up or down without exposing threads, unless otherwise indicated.
 - d. Drainboard Braces: 1 inch (25 mm) OD, minimum #16 gauge / 0.0625-inch- (1.588- mm-) thick stainless steel, unless otherwise indicated.
 - e. Cross Bracing: 1-1/4 inch (31.75 mm) OD, minimum #16 gauge / 0.0625-inch- (1.588-mm-) thick stainless steel, unless otherwise indicated.
6. Wall Shelves and Overshelves: Fabricate to comply with referenced SMACNA standard, unless otherwise indicated, and with minimum #16 gauge / 0.0625-inch- (1.588-mm-) thick, stainless-steel shelf tops.
 7. Drawers: Provide lift-out type, 1-piece, die-stamped drawer pan fabricated from #18 gauge / 0.050-inch- (1.27-mm-) thick stainless steel with inside corners radiused. Support drawer pan with #16 gauge / 0.0625-inch- (1.588-mm-) thick, stainless-steel channel frame welded to drawer front. Provide 1-inch- (25-mm) thick, double-wall front fabricated from #16 gauge / 0.0625-inch- (1.588-mm-) thick stainless steel and with integral recessed pull. Fill void in drawer front with semi rigid fiberglass sound dampening. Mount drawers on NSF-certified, full-extension, stainless-steel drawer slides that have minimum 100-lb (45-kg) load capacity per pair, ball-bearing rollers, and positive stop. Mount drawer slides for self-closing on drawer housing as indicated.
 8. Refrigerated Bases: Unit to be all welded construction and fabricated in accordance with NSF Standard 7.
 - a. Top: 18 gauge galvanized sub-top or 14 gauge stainless steel top.
 - b. Exterior: Front and Sides to be 18 gauge number 4 finish type 304 stainless steel; bottom and back to be 18 gauge galvanized (unless otherwise noted).

- c. Interior liner: 20 gauge number 4 finish type 304 stainless steel with 3/8" radius corners.
 - d. Insulation: Minimum 2" thick polyurethane foam in place insulation (CFC free).
 - e. Doors: 18 gauge front and 20 gauge door pan number 4 finish type 304 stainless steel with 2" polyurethane foam in place insulation, long-life press in place gasket.
 - f. Drawers: 300 lb. capacity with 14 gauge stainless steel track system, tandem 2" all stainless steel skate wheels, each drawer accommodates two 6" deep, 12" x 20" pans side by side.
 - g. Shelving: Each door section shall have stainless steel wire racks.
 - h. Provide remote fixture mounted on/off switches.
9. Refrigerated Pan Rails: Unit to be all welded construction and fabricated in accordance with NSF Standard 7.
- a. Top: 16 gauge number 4 finish type 304 stainless steel top and inner liner.
 - b. Outer liner: To be 18 gauge type 304 stainless steel; bottom and back to be 18 gauge galvanized (unless otherwise noted).
 - c. Insulation: Minimum 2" thick polyurethane foam in place insulation (CFC free).
 - d. Drain: Provide with 1" stainless steel drain
 - e. Control: Provide with on/off control to be field installed.
- C. Welding: Use welding rod of same composition as metal being welded. Use methods that minimize distortion and develop strength and corrosion resistance of base metal. Provide ductile welds free of mechanical imperfections such as gas holes, pits, or cracks.
- 1. Welded Butt Joints: Provide full-penetration welds for full-joint length. Make joints flat, continuous, and homogenous with sheet metal without relying on straps under seams, filling in with solder, or spot welding.
 - 2. Grind exposed welded joints flush with adjoining material and polish to match adjoining surfaces.
 - 3. Where fasteners are welded to underside of equipment, finish reverse side of weld smooth and underpressed.
 - 4. Coat unexposed stainless-steel welded joints with suitable metallic-based paint to prevent corrosion.
 - 5. After zinc-coated steel is welded, clean welds and abraded areas and apply SSPCPaint 20, high-zinc-dust-content, galvanizing repair paint to comply with ASTM A 780.

- D. Fabricate field-assembled equipment prepared for field-joining methods indicated. For metal butt joints, comply with referenced SMACNA standard, unless otherwise indicated.
- E. Where stainless steel is joined to a dissimilar metal, use stainless-steel welding material or fastening devices.
- F. Form metal with break bends that are not flaky, scaly, or cracked in appearance; where breaks mar uniform surface appearance of material, remove marks by grinding, polishing, and finishing.
- G. Sheared Metal Edges: Finish free of burrs, fins, and irregular projections.
- H. Provide surfaces in food zone, as defined in NSF 2, free from exposed fasteners.
- I. Cap exposed fastener threads, including those inside cabinets, with stainless-steel lock washers and stainless-steel cap (acorn) nuts.
- J. Provide pipe slots on equipment with turned-up edges and sized to accommodate service and utility lines and mechanical connections.
- K. Provide enclosures, including panels, housings, and skirts, to conceal service lines, operating components, and mechanical and electrical devices including those inside cabinets, unless otherwise indicated.
- L. Seismic Restraints:
 - 1. Fabricate to comply with referenced "SMACNA Guidelines for Seismic Restraint of Kitchen Equipment" in any State, province, or jurisdiction that has legislated this requirement as necessary for acceptance. This shall include:
 - a. Identifying these items on the submittal drawings, Plans, Elevations, and Sections.
 - b. Showing required SMACNA methods of restraint on the submittal drawings.
 - c. Referencing the appropriate detail(s).
 - d. Obtain regulatory approval for all seismic engineering details

2.4 FABRICATION, MILLWORK/CASEWORK

- A. Fabricate food service equipment according to the "Manual of Millwork, current edition" of the Woodwork Institute, including all amended printed revisions, and NSF Standards. All composite wood products shall meet the latest California Air Resources Board (CARB) Composite Wood Products Regulations. Factory assemble equipment to greatest extent possible. All specially fabricated equipment must be by one manufacturer/fabricator per specialty acceptable to Consultant and the Owner.
- B. Stone Material shall be Caesarstone, Cambria, Silestone or approved equal and installed and fabricated per manufacturer instructions, observing standards set forth by said manufacturer(s) regarding use of certified fabricators and installers. Provide air space, trim and /or insulation around any heat or cold producing equipment to guard against discoloration and cracking, always per manufacturer's instructions.

SUMMARY OF WORK
11 40 00 - 15
Palo Verde College
Child Development Center Blythe

2.5 EXHAUST HOOD FABRICATION

A. Definitions:

1. Listed Hood: A hood, factory fabricated and tested for compliance with UL-710 by a testing agency acceptable to authorities having jurisdiction.
2. Type I Hood: A hood designated for grease exhaust applications.
3. Type II Hood: A hood designed for heat and steam removal and for other non-grease applications.
4. Non-listed Hoods are not acceptable for this project.

B. General: Provide listed hoods with dual wall construction and manufactured from minimum #18 gauge / 0.050-inch- (1.27-mm-) thick type 304 stainless steel, unless otherwise indicated. FSEC shall verify size and location of all connections required before fabrication.

1. Exhaust hood performance tests shall be in accordance with ASTM F1704-05. Manufacturer, upon request, shall be required to submit validation that full capture and containment of appliance thermal plume and smoke can be accomplished at specified/design air volumes without modifications to duct size, filter velocity or hood/system static pressure.
2. Hoods shall comply with current NFPA 96, NSF, ASHRAE 90.1, ASHRAE 154, CA-Title 24 (CA Based Projects Only), Local Applicable Codes and Manufactures Recommendations.
3. Product/system must meet the design, construction, performance and operational intent of the project. It is the responsibility of the FSEC to verify interface of the system with all associated trades including, but not limited to; electrical, mechanical, sheet metal, plumbing and controls per Division 23.
4. Design exhaust volume shall be based on hood manufacturers heat load based design calculations and not estimated CFM/linear foot or minimum UL-710 listed volume.

C. Grease Removal: Provide removable, stainless-steel, single stage, baffle-type grease filter. Provide minimum #18 gauge / 0.0781-inch- (1.984-mm-) thick, stainless steel filter frame and removable collection basins or troughs. Filters/baffles shall be UL 1046 Classified and tested according to ASTM Standard F 2519-05 "Standard Test Method for Grease Particle Capture Efficiency of Commercial Kitchen Filters and Extractors" by a nationally recognized testing laboratory acceptable to authorities having jurisdiction. The filters/baffles must be single stage and have a minimum extraction rate of 93% at 5 microns and 98% at 15 microns.

D. Sound Level Criteria: Isolated grease filter sound levels shall not exceed an NC rating of 55 at full design exhaust volume.

E. Light Fixtures: Provide NSF, UL, CSA AND CE-certified LED fixtures, vapor-tight sealed lenses, to provide 3500K with 50 foot candles at the cooking surface. Any exposed wiring shall be concealed in stainless-steel.

- F. Appliance Interlock: Hoods to be provided with Appliance Interlock Temperature Sensor to comply with IMC 2006 requirement, section 507.2.1.1.
- G. Exhaust-Duct Collars: Minimum #18 gauge / 0.0625-inch- (1.588-mm-) thick stainless steel, FSEC shall provide all stainless steel duct collars and make final connections to hood, welded 100% grooved smooth and painted.
- H. Fires suppression system: Hoods to be provided with factory pre-piping for connection to wet chemical fire suppression system, model R102 as manufactured by "Ansul" or equal in accordance with UL300 standards.
 - 1. Surface drop exposed piping shall be stainless steel.

2.6 FIRE SUPPRESSION SYSTEM

- A. Provide complete fire suppression system conforming to NFPA and UL300. System to be connected to factory pre-piping provided as part of the exhaust hood.
- B. Automatic actuation shall be by means of fusible link with no visible conduit. Manual activation shall be made possible with remote pull stations.
- C. System shall be furnished and installed by the manufacturer. Failure to do so will void warranty.
- D. Microswitches shall be furnished as part of the system for "tie in" of building alarm and for make-up air/fire/fuel/shutdown.
- E. Gas valves shall be electric solenoid type and support simultaneous activation.
- F. Approved manufacturer for fire suppression system is Edison Fire Protection Company Inc. (800) 222-9338 or Christopherson Fire Protection (909) 591-0438.

2.7 WALK-IN COOLERS/FREEZERS

- A. Panel Construction:
 - 1. Panels shall be pre-fabricated, sectional construction (minimum 5-inches thick for Coolers and Freezers), of tongue and groove design with foamed-in-place "double bubble" PVC gaskets (not glued, stapled, or nailed) on the male side of all interior and exterior panels and rigid urethane frame. Every panel shall be NSF and UL factory approved and bear the certifying labels. Walk-in box height to be 108"; Interior Height, except freezers with pre-fab floor in combination with cooler without floor to be 104" or unless otherwise specified.
 - 2. Gaskets shall be impervious to stains, greases, oils, and mildew and be resistant to chemical corrosion and ultraviolet radiation. Gasket operating temperature shall be -30 degrees F to 160 degrees F (-34 degrees C to +71 degrees C).
 - 3. Corner panels shall be 90-degree angles with coved corners; interior partition walls shall utilize 'T' panels with coved corners. All panels shall be manufactured in accordance NSF approved standards.

4. Panels shall be completely filled with rigid 100% foamed-in-place non-CFC urethane between interior and exterior metal `skins' which have been die-formed and gauged for uniformity in size. Rigid polyurethane blowing agents shall comply with current US EPA SNAP program listings. Slab urethane or polystyrene are not acceptable. In addition, wood shall not be acceptable in any panel including doors, walls, floor, and ceiling.
 5. Insulation shall have a 95% closed cell structure with an average in-place density of 2.2 lbs. per cubic foot, and compression strength at yield point of 19 lbs. per square inch. The R-Values of the floor, ceiling and wall panels meet the requirements under the Energy Independence and Security Act of 2009 (EISA).
 6. Floor panels: Floor panels shall be die stamped with 3/8-inch radius NSF coved corners. All plane intersections shall be drawn, not cut and welded. Panels shall be fabricated similar to other panels and designed to readily withstand uniformly distributed loads, point loads for stationary shelving, rolling loads from hand truck and mobile food racks. Where noted, pre-fabricated floors shall withstand rolling loads from either manual pallet jacks or electric pallet jacks.
- B. Door Construction: Walk-in coolers and freezers shall have entry and exit door hardware that complies with all of the requirements of CBC Section 11B-404.2.8.1 and maneuvering clearances at the exterior side per CBC Section 11B-404.2.7 & 11B-309.4. Doors shall be flush (in-fitting) type, self-closing, 36-inches by minimum 80-inches high, 20-gauge stainless steel interior and exterior.
1. Doors shall be mounted with three adjustable cam-lift hinges (Kason 1245) and hydraulic adjustable automatic hold-open (rack and pinion) door closers. Door hardware shall be chrome plated Kason model 27C. Mounting height of latching hardware shall be 34 to 44 inches above finish floor. All hardware shall meet the requirements of CBC 11B-404.2.7 & 11B-309.4.
 2. Door latches shall lock and have a safety release to prevent entrapment (one quarter turn of the release handle unlocks the door from the inside).
 3. All freezer door will be provided with a Department of Energy approved heater strip, heated sweep gaskets, and a heated pressure relief port.
 4. All door sections to have raised casings. Light fixtures to be wired through digital controllers, refer to para. 2.7.E.5 for controller requirements. Provide additional switches as required for light activation from multiple locations.
 5. The doorjamb, frames, and thresholds shall be made of durable Fiberglass Reinforced Plastic (FRP) or polyvinyl chloride (PVC).
- C. Assembly: Panels shall be assembled by Posi-Locs or equal which shall be foamed-in-place and activated by a hex wrench. Floor panels shall utilize post tension construction within the floor panels. Access ports to locking devices shall be covered by snap caps and shall be located in interior of walk-in.
- D. Finishes: Refer to the finishes shown and the Foodservice Equipment Schedule paragraph 3.5.

SUMMARY OF WORK
11 40 00 - 18
Palo Verde College
Child Development Center Blythe

1. Surfaces (walls, ceiling and closure panels):
 - a. Exposed exterior 20-gauge Type 304 stainless steel, #4 finish, pattern per manufacturer drawings.
 - b. Unexposed exterior surfaces to be 20 gauge smooth galvanized steel.
 - c. Interior finishes: minimum 20 gauge type 304 stainless steel on walls and white stucco aluminum on ceiling.
 - d. Interior floor: verify on finish schedule and item specification, paragraph 3.5.
- E. Accessories:
1. Provide interior and exterior doors with 14 gauge (stainless steel) kickplates to 36-inches high.
 2. Provide (s/s) closure panels to interior ceiling and all adjacent walls, finished with 90-degree angles at the box and the ceiling/wall; no raw edges will be accepted.
 3. Provide vinyl strip curtains.
 4. Include LED light fixtures to provide 20 ft. candles of light throughout compartment.
 5. Refrigerated compartments fabricated and standard, shall be fitted with flush mounted digital temperature controllers. Thermometers on such controllers shall be adjustable and calibrated after installation. All thermometers shall have an accuracy of 2 degrees. Controller shall be Modularm 75 LC, or equal, and include frame mounted door magnets for door ajar alarm, interior panic alarm button and motion detector activated automatic panic alarm. All controllers are to be programmable and have the capability of being connected to remote monitoring systems or building management systems.
 6. Per document drawings, provide 14-inches by 24-inches view port - unheated for cooler door, heated for freezer door.
 7. Freezer Door Fan Switches (at ambient facing freezer door only)
 8. When Anthony doors are specified: include Optimax Pro LED Lighting.
- F. Insulated Floor Depressions: The FSEC shall provide styrofoam insulation for cooler and freezer floors. Insulation shall be a minimum of 3 layers Dow high load 60 extruded polystyrene, 2-inch thick. Overall R-value to meet DOE requirements for freezer floors with vertical compressive strength of 60 psi and maximum water absorption of 0.1% by volume.
- G. Approvals: Fire hazard classification according to ASTM E-84 (UL723) shall be a flame spread rating of 25 or less with a certifying UL label attached to every panel showing the meeting of the fire code. Smoke development rating to be 450 or less; NSF-listed with an approved toxicity rating.

- H. Walk-in coolers and freezers shall have level maneuvering clearances at the exterior side (CBC 11B-404.2.4.1) and accessible entry and exit door hardware (CBC 11B-404.2.7, 11B-309.4 & 11B-404.2.8.1).
- I. Furnish and installation to be provided by the manufacturer. Failure to do so will void warranty.
- J. Food service equipment provider shall contract all aspects of installation for walk-in boxes directly with specified factory to not void warranty.

2.8 REMOTE REFRIGERATION SYSTEMS

- A. Furnish and install mechanical refrigeration work as indicated and specified, complete and ready for use. All systems shall comply with the latest edition of Title 24, 2016 Building Efficiency Standards. Principal items of work include:
 - 1. Mechanical refrigeration systems, including compressor units, condensers, refrigerant piping, evaporator coils, control valves, compressor racks, weather covers, KE2 rack controller, and required miscellaneous items. Refrigeration equipment shall consist of two major assemblies. One is the condensing unit assembly with all necessary components, factory installed and wired including single point electrical control panel, circuit breakers and contactors, OSHA approved fan guards, aluminum flexible conduit for internal wiring, suction filter, sight glass, drier, adjustable dual pressure control, flexible pressure hoses, Rotolock compressor adaptors and necessary tubing. The other is the refrigeration coil assembly/heat exchanger with expansion valve, electronic thermostat temperature control with electronic defrost time clock and on/off power switch, completely factory mounted and factory pressure tested with dry nitrogen.
 - a. Utilize refrigerant with an ozone depleting potential of 0
 - b. R-448A Low to Medium Temperatures
 - c. Other refrigerant approved by the Department of Energy for use in remote systems after December 31, 2017.
 - d. Glycol – Food Grade
 - 2. Furnishing of motor starters and walk-in refrigerator/freezer thermostats for installation under Electrical Section.
 - 3. Sleeves, inserts, hangers, supports and other incidental items necessary to complete the work.
 - 4. Cutting and patching of non-structural and other incidental items necessary to complete the work on this section.
 - 5. Testing, charging, adjusting, operational testing and cleaning of equipment. Conduct all tests as required by local inspecting agencies concerned with this project. Each refrigeration items specification is written to provide minimum specifications and scope of work.

6. Refrigeration equipment shall be designed and installed to maintain the following general temperature unless otherwise specified.

a.	Walk-In Refrigerators	1.7°C / 35°F
b.	Walk-In Freezers	-23.2°C / -10°F
c.	Reach-In Refrigerators	1.7°C / 35°F
d.	Reach-In Freezers	-23.2°C / -10°F
e.	Undercounter Refrigerators	1.7°C / 35°F
f.	Undercounter Freezers	-23.2°C / -10°F
g.	Cold Pan	4°C / 39°F

- B. Compressors and Condensing Unit: Factory assembled, scroll compressors with air cooled condensers operating at such speed within recommended range of section and discharge pressures for economical operation and with required BTU rating per hour, sizes and capacities in accordance with specifications. Provide units of same manufacturer and type throughout, new standard cataloged, to operate with refrigerant R-407A. 100 degrees ambient air, capacities selected on 16 hour running time basis for medium temperature fixtures and 18 hour running time basis for low temperature fixtures. For locations where the ambient exceeds 100 degrees Fahrenheit, the system is to be engineered for the maximum recorded ambient temperature. Additionally, all parallel systems shall include a minimum of one digital scroll compressor and be designed with 75% redundancy minimum.
- C. Condensing units shall be scroll air cooled condensing unit with rigid structural bases, 20 gauge weather covers, OSHA-approved fan guards and shrouds and waterproof electrical systems. Include internal inherent motor protection, suction line, shut off valves, liquid line shut off valves, oil pressure safety switches when required, adjustable dual pressure control, crank case heaters and oil separators on systems with longer than 100 lin. ft. run from condensing unit to the evaporator coil. Any outdoor installation within 20 miles of the salt air environment shall be provided with coated condenser coils.
- D. Medium temperature evaporators shall be equipped with Electronically Commutated Motors (ECM). Coils shall be low profile UL/NSF approved units with inline fans and cross fins staggered. Provide copper tubing, aluminum cased, permanently lubricated motors with thermal overload protection. Unit shall be provided with evaporator controller system capable of providing evaporator fan control, remote monitoring and diagnostics. Control system shall be interconnected to the local area network and be capable of sending alarm alerts via mobile telephone or e-mail. Water proof electrical system pre-wired to a single connection. Coils are designed to operate above 34 degrees Fahrenheit.
- E. Low Temperature evaporators shall be equipped with Electronically Commutated Motors (ECM). Coils shall be low profile UL/NSF approved units with inline fans and cross fins staggered. Provide copper tubing, aluminum cased, permanently lubricated motors with thermal overload protection. Unit shall be equipped with electric demand defrost controller system. Controller system shall provide on-demand defrost, remote monitoring and diagnostics and be interconnected to the local area network with the capability of sending alarm alerts via mobile telephone or e-mail. Water proof electrical system pre-wired to a single connection. Coils are designed to operate in a range from 30 degrees above Fahrenheit to -20 degrees Fahrenheit.

- F. Refrigerant lines shall be type "L" ACR copper tubing with wrought copper fittings assembled by silver soldering joints.
- G. Coil drains shall be 1" IPS copper. Route and pitch ½" per foot to drain. Provide electrical heaters on freezer drains. Drain lines to floor sinks by Plumber.
- H. Refrigeration lines insulation shall have a minimum ¾" Armstrong Armaflex AP Pipe insulation sealed with adhesive foam insulation. For glycol systems the minimum insulation shall be ¾". Tape fittings to be sufficient thickness to prevent condensation. Lines ran externally shall include a hard white PVC cover.
- I. Furnish and installation to be provided by the manufacturer. Failure to do so will void warranty.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Unless expressly stipulated, and in a timely manner, no additional allowances will be made for Contractors or Manufacturers for errors, omissions or ambiguities not reported at time of bidding. Carefully review and compare the Contract Documents and at once report to Owner and/or Designer any errors, ambiguities, inconsistencies or omissions. Unless expressly stipulated, and in a timely manner, Kitchen Equipment Contractor shall be liable to Owner or Designer for any damage resulting from such errors, inconsistencies or omissions in the Contract Documents. Work shall not be done without approved Drawings, Specifications and/or Modifications and without receiving prior written receiving authorizations from Owner or Designer. Drawings and equipment specifications are intended to complement each other. Therefore, neither should be considered complete without the others.
- B. Examine areas and conditions, with Installer present, for compliance with requirements or installation tolerances, service-utility connections, and other conditions affecting installation and performance of food service equipment. Do not proceed with installation until unsatisfactory conditions have been corrected.
- C. Examine roughing-in for piping, mechanical, and electrical systems to verify actual locations of connections before installation.
- D. Verify all conditions at the building, particularly door openings and passageways for large equipment. Coordinate with General Contractor access to insure delivery of equipment to the required areas. Coordination shall include, but not be limited to, early delivery, hoisting, window removal and/or delay of wall construction. All special equipment, handling charges, window removal, etc. shall be paid for by the Food Service Equipment Contractor.
- E. Any and all food service equipment and equipment systems noted as "by owner/operator", "by purveyor", or "existing" in the food service construction documents are presented for reference only. These representations must be verified in writing by the food service equipment contractor, owner, operator, and/or general contractor prior to the release of "for construction" documentation. It will be the general contractor's responsibility to further verify and coordinate all necessary information pertaining to this equipment or systems making up, or relating to, this equipment including, but not limited to, local health department regulations, local sanitation code

requirements, mechanical, structural, plumbing and electrical requirements prior to commencement of construction. Consultant or Architect take no responsibility for design, intent, function, performance, utility requirements, or code compliance of non-specified equipment.

3.2 INSTALLATION, GENERAL

- A. Install food service equipment level and plumb, according to manufacturer's written instructions, original design, and referenced standards.
- B. Complete equipment field assembly, where required, using methods indicated.
 - 1. Provide closed butt and contact joints that do not require a filler.
 - 2. Grind field welds on stainless-steel equipment smooth, and polish to match adjacent finish. Comply with welding requirements in "Fabrication, General" Article.
- C. Install equipment with access and maintenance clearances according to manufacturer's written instructions and requirements of authorities having jurisdiction.
- D. Provide cutouts in equipment, neatly formed, where required to run service lines through equipment to make final connections. Cut holes and provide sleeves for pipes on equipment, for drains, electrical, plumbing, etc., as required for proper installation. Verify sizes with Owner on the following items before ordering or fabrication: steam pans, sheet pans, trays, glass and cup racks.
- E. Except for mobile and adjustable-leg equipment, securely anchor and attach items and accessories to walls, floors, or bases with stainless-steel fasteners, unless otherwise indicated.
- F. Install hoods to comply with NFPA 96 requirements and to remain free from vibration when operating.
- G. Install seismic restraints according to referenced SMACNA standard.
- H. Install trim strips and similar items requiring fasteners in a bed of sealant. Fasten with stainless-steel fasteners at 48 inches (1200 mm) O.C. maximum.
- I. Install sealant in joints between equipment and abutting surfaces with continuous joint backing, unless otherwise indicated. Provide airtight, watertight, vermin-proof, sanitary joints.
- J. Prohibit cold storage rooms from being used by any other trade for storage or work areas. Repair or cause replacement to any damaged areas on the interior of the cold storage rooms, if the damage was caused due to the cold storage rooms being used for storage or work areas.

3.3 PROTECTING

- A. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and installer that ensure food service equipment is without damage or deterioration at the time of Substantial Completion.

3.4 START-UP, TESTING AND COMMISSIONING

- A. Startup Services: Engage factory-authorized service representatives to perform startup services for all equipment.
1. Coordinate food service equipment startup with service-utility testing, balancing, and adjustments. Do not operate steam lines before they have been cleaned and sanitized. Provide demonstrations for both operations and maintenance personnel.
 2. Remove protective coverings and clean and sanitize equipment, both inside and out, and re-lamp equipment with integral lighting. Where applicable, comply with manufacturer's written cleaning instructions.
 3. Test each equipment item for proper operation. Repair or replace equipment that is defective in operation, including units that operate below required capacity or that operate with excessive noise or vibration.
 - a. Start up and testing for ice making equipment to be performed by the Original Equipment Manufacturer's authorized representative after substantial completion by the FSEC prior to final testing. All issues of installation hook-up and operational conditions are to be addressed. Any conditions not meeting operational needs will be identified and reviewed with the FSEC and/or GC.
 - b. Type I grease hoods and fire protection systems are to be reviewed by the Original Equipment Manufacturer's authorized representative after substantial completion and prior to final testing. This review shall also take place prior to the start-up and demonstration of any cooking equipment under the hood. All issues of installation hook-up and operational conditions will be addressed. Any conditions not meeting operational needs will be identified and reviewed with the FSEC and/or GC. A field inspection report will be provided as part of the Owner's equipment manual and submitted to the GC and local fire marshal when required by code.
 4. Provide maintenance and proper operations training to both the client maintenance and operations staff.
 5. Provide maintenance manuals, service parts manuals and product schedule in accordance with paragraphs 1.4.K and 1.4.K.1
- B. Demonstration and Commissioning: Representatives of authorized service agencies, manufacturer or original equipment supplier shall provide these services with FSEC in attendance.
1. Demonstrate in the presence of the owner, owner's designated representative and owner's maintenance and operations personnel the proper initial start-up, operation clean-up, preventative maintenance safety procedures of each item of equipment.
 2. FSEC is to provide a signed log or record of all demonstrations, training and start-ups conducted to the owner with equipment operations manuals.

3.5 FOOD SERVICE EQUIPMENT SCHEDULE

ITEM # 01 AIR CURTAIN

Quantity: One (1)
Manufacturer: Mars Air Systems
Model: NH242-1UA-TS

1. One (1) Model NH242-1UA-TS High Velocity Series 2 Air Curtain, for NSF Certified 42" wide door, Unheated, 115v/60/1-ph, Titanium Silver powder coated cabinet (Standard Production Color) cETLus, CE, NSF, Dimensions 14.00(h) x 42.00(w) x 15.62(d)
2. One (1) 5-year warranty, standard
3. One (1) Options WITHOUT control panel
4. One (1) Options WITHOUT time delay
5. One (1) 99-014 Steel Mechanical Universal Surface-mounted Plunger/Roller Switch

ITEM # 02 BUMPER RAILS

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: BR-WBB

1. One (1) Model BR-WBB (LOT) Approximately 48'-0" l. Provide Stainless Fixtures, Inc. 14 ga. stainless steel bumper rails guards mounted at 34" above the finished floor. Stainless steel shall have a #4 finish. Fabricate and install per complete drawings, schedules, elevations, and details.

ITEM # 03 WALL CAPS

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: WC-WBB

1. One (1) Model WC-WBB Provide Stainless Fixtures, Inc. 16 ga. stainless steel wall caps at 6'-6" in height. Stainless steel shall have a #4 finish. Fabricate and install per complete drawings, schedules, elevations, and details.

ITEM # 04 REACH-IN REFRIGERATOR

Quantity: Two (2)
Manufacturer: True Mfg. - General Foodservice
Model: STR2R-2S-HC

1. Two (2) Model STR2R-2S-HC SPEC SERIES® Refrigerator, reach-in, two-section, (2) stainless steel doors with locks, cam-lift hinges, digital temperature control, (2) interior kits, LED interior lights, stainless steel front & sides, stainless steel interior, 5" castors, R290 Hydrocarbon

SUMMARY OF WORK
11 40 00 - 25
Palo Verde College
Child Development Center Blythe

- refrigerant, 1/2 HP, 115v/60/1-ph, 5.9 amps, NEMA 5-15P, cULus, UL EPH Classified, Made in USA
2. Two (2) NOTE: Effective 7/1/21, all True pricing is tentative based on final production date of units ordered. Any units ordered that will be produced on or after January 1, 2022 will be subject to the new January 1, 2022 List Prices (+12%). True will confirm price at time of order. For more information, please contact your True representative.
 3. Two (2) Warranty - 7 year compressor (self-contained only), please visit www.Truemfg.com for specifics
 4. Two (2) Warranty - 3 year parts and labor, please visit www.Truemfg.com for specifics
 5. Two (2) Left door hinged left, right door hinged right standard
 6. Two (2) Left section Spec Kit #4 - (3) chrome shelves & shelf supports
 7. Two (2) Right section Spec Kit #4 - (3) chrome shelves & shelf supports
 8. Two (2) 5" castors, set of 4, standard

ITEM # 05 REACH-IN FREEZER

Quantity: One (1)
 Manufacturer: True Mfg. - General Foodservice
 Model: STR2F-2S-HC

1. One (1) Model STR2F-2S-HC SPEC SERIES® Freezer, reach-in, two-section, -10°F, (2) stainless steel doors with locks, cam-lift hinges, digital temperature control, (2) interior kits, LED interior lights, stainless steel front & sides, stainless steel interior, 5" castors, R290 Hydrocarbon refrigerant, 1-1/4 HP, 115v/60/1-ph, 9.4 amps, NEMA 5-15P, cULus, UL EPH Classified, Made in USA, ENERGY STAR®
2. One (1) NOTE: Effective 7/1/21, all True pricing is tentative based on final production date of units ordered. Any units ordered that will be produced on or after January 1, 2022 will be subject to the new January 1, 2022 List Prices (+12%). True will confirm price at time of order. For more information, please contact your True representative.
3. One (1) Due to demand this unit will be produced after July 1, 2021, and therefore needs to be priced using the new June 1, 2021 List Price which is currently reflected in AutoQuotes. Please contact your True sales representative for final lead time.
4. One (1) Warranty - 7 year compressor (self-contained only), please visit www.Truemfg.com for specifics
5. One (1) Warranty - 3 year parts and labor, please visit www.Truemfg.com for specifics
6. One (1) Left door hinged left, right door hinged right standard
7. One (1) Left section Spec Kit #4 - (3) chrome shelves & shelf supports
8. One (1) Right section Spec Kit #4 - (3) chrome shelves & shelf supports
9. One (1) 5" castors, set of 4, standard

ITEM # 06 3 COMPARTMENT POT SINK

Quantity: One (1)
 Manufacturer: Stainless Fixtures Inc
 Model: PS3-WBB

**SUMMARY OF WORK
 11 40 00 - 26
 Palo Verde College
 Child Development Center Blythe**

1. One (1) Model PS3-WBB Approximately 18'-8" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel pot sink assembly with 1-5/8" legs with adjustable bullet feet, under and/or mid shelves, 10" high back and end splash (where required). Top shall be 14 ga stainless steel, and legs shall be 16 ga. Fabricate and install per complete drawings, schedules, elevations, and details.
2. Three (3) Model SINKS Provide 16 ga stainless steel sink tub measuring approximately 24" w x 26" d x 14" h. Welded in place with polished seams.
3. Three (3) Fisher Model 29033 DrainKing Waste Valve, flat strainer, overflow body, chrome finish
4. One (1) This item to have polished edges standard.

ITEM # 07 WALL / SPLASH MOUNT FAUCET

Quantity: One (1)
 Manufacturer: Fisher
 Model: 53155

1. One (1) Model 53155 Faucet, wall mount, 8" adjustable centers, 16" swing spout, lever handles with color coded indexes, 1/2" NPT female inlets, stainless steel, ADA Compliant
2. One (1) 5-year warranty against defects in materials or workmanship, standard
3. Two (2) Model 3983 Repair Kit, includes screw, red button, blue button, cross handle

ITEM # 08 PRE-RINSE FAUCET ASSEMBLY, WITH ADD ON FAUCET

Quantity: One (1)
 Manufacturer: Fisher
 Model: 53473

1. One (1) Model 53473 Pre-Rinse Unit, spring, wall mount, 8" adjustable centers, Add-On-Faucet with 12" swing spout, stainless steel
2. Two (2) Model 70645 Nipple, 1/2" x 1-1/4" with locknut, washer, slip joint kit nut, stainless steel
3. Two (2) Model 71498 Close Elbow, 1/2" female, stainless steel

ITEM # 09 SPARE NO.

ITEM # 10 SPARE NO.

ITEM # 11 WALL SHELF (KNIFE BRACKETS)

Quantity: One (1)
 Manufacturer: Stainless Fixtures Inc
 Model: WSK-WBB

1. One (1) Model WSK-WBB Approximately 10'-7" l x 1'-0" w. Provide Stainless Fixtures, Inc. stainless steel wall shelf with knife brackets. Wall shelf shall be: 16 ga stainless steel with #4 finish, bracket shall be 14 ga stainless steel. Fabricate and install per complete drawings, schedules, elevations, and details.
2. One (1) This item to have polished edges standard.

ITEM # 12 UTENSIL RACK

Quantity: One (1)
 Manufacturer: Stainless Fixtures Inc
 Model: UR-WBB

1. One (1) Model UR-WBB Approximately 6'-0" l x 1/4" w x 2" d. Provide Stainless Fixtures, Inc. stainless steel flatbar utensil rack with integral 1/4" x 2" mounting bracket. Include sliding hooks 8" on center. Stainless steel shall be type 304 with #4 finish. Fabricate and install per complete drawings, schedules, elevations, and details.
2. One (1) This item to have polished edges standard.

ITEM # 13 WALL SHELF (KNIFE BRACKETS)

Quantity: One (1)
 Manufacturer: Stainless Fixtures Inc
 Model: WSK-WBB

1. One (1) Model WSK-WBB Approximately 2'-7" l x 1'-0" w. Provide Stainless Fixtures, Inc. stainless steel wall shelf with knife brackets. Wall shelf shall be: 16 ga stainless steel with #4 finish, bracket shall be 14 ga stainless steel. Fabricate and install per complete drawings, schedules, elevations, and details.
2. One (1) This item to have polished edges standard.

ITEM # 14 WALL FLASHING

Quantity: One (1)
 Manufacturer: Stainless Fixtures Inc
 Model: WF-WBB

1. One (1) Model WF-WBB (LOT) Approximately 41'-9" l. Provide Stainless Fixtures, Inc. 18 ga. stainless steel wall flashing with #4 finish. See plans for locations. Fabricate and install per complete drawings, schedules, elevations, and details.

ITEM # 15 DISHWASHER, UNDERCOUNTER

Quantity: One (1)
Manufacturer: Champion
Model: UH230B

1. One (1) Model UH230B Dishwasher, undercounter, 24"W x 25"D x 33-3/4"H, high temperature sanitizing, with StemsSure™ soft start to protect glasses & dishes from chipping & breaking, (40) racks per hour capacity, 90 second cycle, top mounted controls with prime switch, 15-3/4"H door opening, door safety switch, advanced digital thermometer monitoring, stainless steel top & side panels, quiet double-wall construction, detergent & rinse aid pumps, automatic drain cycle, pumped drain, built-in electric booster for 180°F final rinse water (standard 70°F/39°C rise), rinse sentry – extends the cycle time to ensure 180°F final rinse, low-water tank heat protection, automatic tank fill, (1) peg rack, (1) flat rack, 1 HP wash pump motor, Water pressure regulating valve (unmounted), Shear Energy – a reduction in energy requirements while maximizing performance, Multi-Power – includes: Multi-Volt & Multi-Phase (Allows for infield conversion to 208-240 volt and/or single to three phase with ease), NSF, cETLus, ENERGY STAR®
2. One (1) 1-year parts & labor warranty, standard
3. One (1) 6kW booster, 70°F Rise, standard
4. One (1) 208-240v/60/3-ph, 6kW booster (4 wire plus ground required)

ITEM # 16 TRASH RECEPTACLE W/DOLLY

Quantity: Two (2)
Manufacturer: Rubbermaid Commercial Products
Model: FG262000GRAY

1. Two (2) Model FG262000GRAY ProSave® BRUTE® Container, without lid, 20 gallon, 19-1/2"D x 22-7/8"H, round, reinforced rims, built in handles, double rimmed base, high-impact plastic construction, gray, NSF, Made in USA
2. Two (2) Model FG264043BLA BRUTE® Quiet Dolly, 18-1/4"D x 6-5/8"H, non-marking casters, black, NSF, Made in USA

ITEM # 17 WORK TABLE W/MARINE EDGE AND 2 COMPARTMENT PREP SINKS

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: ITM-WBB

1. One (1) Model ITM-WBB Approximately 8'-0" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel work table with marine edge, 1-5/8" legs with adjustable bullet feet, and under and/or mid shelves. Top shall be 14 ga stainless steel, and legs shall be 16 ga. Fabricate and install per complete drawings, schedules, elevations, and details.
2. One (1) Model 2 COMP SINK Provide 16 ga stainless steel with 2 compartment sink tub measuring approximately 18" w x 24" d x 12" h each. Welded in place with polished seams.
3. Two (2) Fisher Model 29033 DrainKing Waste Valve, flat strainer, overflow body, chrome finish
4. One (1) This item to have polished edges standard.

SUMMARY OF WORK
11 40 00 - 29
Palo Verde College
Child Development Center Blythe

ITEM # 18 SPARE NO.

ITEM # 19 SPARE NO.

ITEM # 20 SPARE NO.

ITEM # 21 WALL / SPLASH MOUNT FAUCET

Quantity: One (1)
Manufacturer: Fisher
Model: 53139

1. One (1) Model 53139 Faucet, wall mount, 8" adjustable centers, 12" swing spout, lever handles with color coded indexes, 1/2" NPT female inlets, stainless steel, ADA Compliant
2. One (1) 5-year warranty against defects in materials or workmanship, standard
- 3.
4. NOTE: FISHER TAKES EXCEPTION TO THE CERAMAS CARTRIDGE

ITEM # 22 WALL SHELF (KNIFE BRACKETS)

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: WSK-WBB

1. One (1) Model WSK-WBB Approximately 8'-0" l x 1'-0" w. Provide Stainless Fixtures, Inc. stainless steel wall shelf with knife brackets. Wall shelf shall be: 16 ga stainless steel with #4 finish, bracket shall be 14 ga stainless steel. Fabricate and install per complete drawings, schedules, elevations, and details.
2. One (1) This item to have polished edges standard.

ITEM # 23 CAN OPENER

Quantity: One (1)
Manufacturer: Edlund
Model: S-11

1. One (1) Model S-11 Can Opener, manual, 16" bar length, dishwasher safe, rust proof, stainless steel, with cast stainless steel base, NSF certified
2. One (1) 5-year limited warranty, standard

SUMMARY OF WORK
11 40 00 - 30
Palo Verde College
Child Development Center Blythe

3. One (1) Model ST-93 Rustproof Can Opener Cleaning Tool, stainless steel bristles and stainless scraper

ITEM # 24 DRY STORAGE SHELVING UNITS

Quantity: Three (3)
Manufacturer: Metro
Model: SUPER ERECTA

1. Three (3) Model SUPER ERECTA (LOT) 4 – tier, 21” deep Metro Super Erecta shelving units to be constructed of heavy gauge carbon steel. Site select posts have a double groove visual guide feature every 8”, circular grooves at 1” increments, numbered at 2”. Patented tapered slit sleeve snaps together around each post. Tapered openings in the shelf corners slide over the tapered split sleeves providing a positive lock. Shelf ribs run front to back allowing smooth on and off sliding of items. Uprights to include bolt levelers. Finish to be Super Erecta Brite. Provide in the configuration shown on plans, verify final sizes of shelves and posts by field measuring prior to ordering.

Choice of finishes - Super Erecta Brite and chrome-plated for dry storage, Metroseal 3 with Microban antimicrobial product protection and stainless steel for corrosive environments.

Note: Stainless stationary posts are equipped with stainless steel leveling bolt.

ITEM # 25 EXHAUST HOOD, TYPE I

Quantity: One (1)
Manufacturer: Caddy
Model: PB-C-W-132-ND-60

1. One (1) Model PB-C-W-132-ND-60 MODEL PB-C-W-132-ND-60 845 LBS
(1) 11'-0" long, baffle filter type ventilator section
(2) 48" recessed led light fixtures
(1) Remote wall mounted fan/light control package
(1) Low volume air deflector

Pre-piping only for ansul r-102 fire suppression system, including mounting of fusible link detector brackets
(surface nozzle drops not included)

ANSUL R-102 3 GALLON FIRE SUPPRESSION SYSTEM

- (1) Lot ansul components
- (1) Lot installation by non-union labor
(if union labor/prevailing wage is required add 35%)
- (1) Discharge test

SUMMARY OF WORK
11 40 00 - 31
Palo Verde College
Child Development Center Blythe

- (1) Permit fee
- (1) Up to 2" mechanical gas valve

ITEM # 26 EXHAUST HOOD TRIM AND CLOSURE PANEL

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: HTP-WBB

- 1. One (1) Model HTP-WBB Approximately 11'-0" l x 6'-6" w. Provide Stainless Fixtures, Inc. 18 ga stainless steel exhaust hood trim and closure panels with #4 finish. Provide all necessary closure, louvers and trim strips for a complete installation. Fabricate and install per complete drawings, schedules, elevations, and details.

ITEM # 27 FIRE PROTECTION SYSTEM

Quantity: One (1)
Manufacturer: Caddy
Model: R102

- 1. One (1) Model R102 Provide One (1) each Fire Protection System complete with nozzles, fusible links, piping, pull box, and actuators, utilizing a wet chemical extinguishing agent fabricated and installed by an approved Ansul system installer. Provide in accordance with complete drawings, details, and specifications section 114000. System to be an R-102 automatic type and be manufactured and installed per the current NFPA guidelines and be U.L. approved. Cylinders shall be mounted on wall in a stainless steel enclosure, or mounted in a stainless steel cabinet attached to the exhaust hood. All piping to be concealed with the exception of drops which shall be chrome sleeved and of as minimal exposure as possible. Size, number, and location of nozzles or fusible links to be in accordance with U.L. limits for this particular system. Fire system contractor shall provide engineered drawings, acquire permit, coordinate start-up and testing with the appropriate Fire Officials, and obtain final certification. Provide as-built drawings at completion of install. Fire System installer to provide adequate job site visits to coordinate installation of un-exposed pipe and installation of system. Include the appropriately sized and approved electronic gas shut-off valve(s).

ITEM # 28 SPARE NO.

ITEM # 29 SPARE NO.

ITEM # 30 CLASS K FIRE EXTINGUISHER

Quantity: One (1)

Manufacturer: NIFSEC
Model: SEE ARCH. SECT

1. One (1) Model SEE ARCH. SECT Class K Fire Extinguisher - NIFSEC, See Architectural Section.

ITEM # 31 FIRE PULL BOX

Quantity: One (1)
Manufacturer: Caddy
Model: PART OF ITEM #27

1. One (1) Model PART OF ITEM #27 Fire Pull Box - Box by Electrician, Mechanism part of item #27 Fire Protection System.

ITEM # 32 HD RANGE, 36", 6 ROUND HOTPLATES

Quantity: One (1)
Manufacturer: Southbend
Model: SE36D-BBB

1. One (1) Model SE36D-BBB Heavy Duty Range, electric, 36", (6) round hotplates, 3-heat switch, (1) standard oven, includes (1) rack, stainless steel front, sides, top & oven lining, 6" legs, cETLus, ETL-Sanitation (Note: Qualifies for Southbend's Service First™ Program, see Service First document for details)
2. One (1) Domestic Shipping, inside of North America
3. One (1) Standard one year limited warranty (range)
4. One (1) 208v/60/3-ph, 21.6kw, standard

ITEM # 33 HD RANGE, 36" THERMOSTATIC GRIDDLE

Quantity: One (1)
Manufacturer: Southbend
Model: SE36D-TTT

1. One (1) Model SE36D-TTT Heavy Duty Range, electric, 36", griddle, thermostatic controls, (1) standard oven, includes (1) oven rack, stainless steel front, sides, top & oven lining, cETLus, ETL-Sanitation (Note: Qualifies for Southbend's Service First™ Program, see Service First document for details)
2. One (1) Domestic Shipping, inside of North America
3. One (1) Standard one year limited warranty (range)
4. One (1) 208v/60/3-ph, 22.5kw, standard

ITEM # 34 CONVECTION OVEN, ELECTRIC

SUMMARY OF WORK
11 40 00 - 33
Palo Verde College
Child Development Center Blythe

Quantity: One (1)
Manufacturer: Southbend
Model: SLEB/20CCH

1. One (1) Model SLEB/20CCH SilverStar Convection Oven, electric, double-deck, cook & hold, bakery depth, solid state controls, interior light, aluminized steel rear, stainless steel front, top, sides & 6" legs, (2) 1/2 HP, (2) 12kW, UL, NSF (Note: Qualifies for Southbend's Service First™ Program, see Service First document for details)
2. One (1) Domestic Shipping, inside of North America
3. One (1) Standard (1) year limited parts and labor warranty (reference warranty document for details)
4. One (1) (2) 208v/60/3-ph, 34 amps standard
5. One (1) 6" legs, stainless steel, standard

ITEM # 35 WALL FLASHING

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: WFH-WBB

1. One (1) Model WFH-WBB (LOT) Approximately 11'-0" I. Provide Stainless Fixtures, Inc. 18 ga. stainless steel wall flashing from floor to exhaust hood and a #4 finish. Provide all necessary closure and trim strips for a complete installation. Fabricate and install per complete drawings, schedules, elevations, and details.

ITEM # 36 MOBILE STORAGE SHELVING UNITS

Quantity: Six (6)
Manufacturer: Metro
Model: SUPER ERECTA

1. Six (6) Model SUPER ERECTA (LOT) 4 – tier, 48" wide x 21" deep Metro Super Erecta shelving units to be constructed of heavy gauge carbon steel. Site select posts have a double groove visual guide feature every 8", circular grooves at 1" increments, numbered at 2". Patented tapered slit sleeve snaps together around each post. Tapered openings in the shelf corners slide over the tapered split sleeves providing a positive lock. Shelf ribs run front to back allowing smooth on and off sliding of items. Provide with two 5HHP swivel casters, two 5HHPB casters with brake and 4 donut bumpers. Finish to be Metroseal.

Note: Stainless stationary posts are equipped with stainless steel leveling bolt.

ITEM # 37 MOBILE WORK TABLE

**SUMMARY OF WORK
11 40 00 - 34
Palo Verde College
Child Development Center Blythe**

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: MT-WBB

1. One (1) Model MT-WBB Approximately 5'-0" l x 3'-0" w. Provide Stainless Fixtures, Inc. stainless steel mobile work table with 1-5/8" legs, and lower and/or mid shelves. Top shall be 14 ga stainless steel, and legs shall be 16 ga. Provide 5" dia. heavy-duty, non-marking casters, all with brakes. Fabricate and install per complete drawings, schedules, elevations, and details.
2. One (1) This item to have polished edges standard.

ITEM # 38 MICROWAVE OVEN

Quantity: One (1)
Manufacturer: ACP
Model: RMS10TSA

1. One (1) Model RMS10TSA Amana® Commercial Microwave Oven, 0.8 cu. ft. capacity, 1000 watts, low volume, 4-stage cooking, (5) power levels, touchpad controls, (20) memory settings, 30-minute max cooking time, interlock safety switch, audible end of cycle signal, LED display, side hinged door with tempered glass, LED lighted interior, stainless steel interior & exterior, 120v/60/1-ph, 13.0 amps, 15 MCA, 1500 watts (total), cord, NEMA 5-15P, cETLus, ETL-Sanitation
2. One (1) 3-year limited warranty (1 year full)

ITEM # 39 SPARE NO.

ITEM # 40 SPARE NO.

ITEM # 41 ADA MOBILE WORK TABLE

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: MT-WBB-ADA

1. One (1) Model MT-WBB-ADA Approximately 5'-0" l x 3'-0" w x 2'-10" h. Provide Stainless Fixtures, Inc. stainless steel mobile work table with 1-5/8" legs, and lower and/or mid shelves per drawings. Top shall be 14 ga stainless steel, and legs shall be 16 ga. Provide 5" dia. heavy-duty, non-marking casters, all with brakes. Fabricate and install per complete drawings, schedules, elevations, and details.
2. One (1) This item to have polished edges standard.

ITEM # 42 EMPLOYEE LOCKERS

SUMMARY OF WORK
11 40 00 - 35
Palo Verde College
Child Development Center Blythe

Quantity: One (1)
Manufacturer: NIFSEC

1. One (1) Employee Lockers - NIFSEC

ITEM # 43 OFFICE DESK AND CHAIR

Quantity: One (1)
Manufacturer: NIFSEC

1. One (1) Office Desk and Chair - NIFSEC

ITEM # 44 WALL MOUNT HAND SINK W/SOAP & TOWEL DISPENSER

Quantity: One (1)
Manufacturer: Eagle Group
Model: HSAP-14-ADA-FW (NO FAUCET)

1. One (1) Model HSAP-14-ADA-FW (NO FAUCET) Hand Sink, wall mount, 14" wide x 16" front-to-back x 5" deep bowl, 16/304 stainless steel construction, splash mount gooseneck faucet with wrist handles & mixer valve, marine edge on front & sides, 1/2" NPS water inlet, chrome-plated P-trap, wrist handles, soap dispenser, basket drain, skirt assembly & paper towel dispenser, PHYSICALLY CHALLENGED, NSF
2. One (1) Model -LRS Left & right side splashes

ITEM # 45 WALL / SPLASH MOUNT FAUCET

Quantity: One (1)
Manufacturer: Fisher
Model: 62650

1. One (1) Model 62650 Faucet, backsplash mount, 4" centers, 6" swivel/rigid gooseneck spout (use included star washer to make rigid), wrist handles with color coded indexes, 1/2" NPT male inlets, with elbows, stainless steel, ADA Compliant
2. One (1) 5-year warranty against defects in materials or workmanship, standard

ITEM # 46 BUSSING UTILITY TRANSPORT CART, METAL

Quantity: Two (2)
Manufacturer: Lakeside Manufacturing
Model: 744

SUMMARY OF WORK
11 40 00 - 36
Palo Verde College
Child Development Center Blythe

1. Two (2) Model 744 Utility Cart, open, (3) shelf, shelf size 33" x 21", U-shaped frame, all-welded stainless steel construction, 700 lb. capacity, (2) 5" swivel & (2) 8" fixed casters, Made in USA
2. Two (2) Casters, (2) 5", swivel, (2) 8", fixed cushion tread, standard

ITEM # 47 UTILITY FOOD COUNTER (MOBILE)

Quantity: One (1)
 Manufacturer: Multiteria
 Model: ULS72

1. One (1) Model ULS72 Essence series Utility Counter, 72"L x 34"W, 1" x 1" 16 gauge tubular stainless steel frame construction, joints to be welded, ground and polished. Vertical framework at front of counter to incorporate support posts for food shield. Frame work to incorporate stainless steel channel at ends and front to accept laminate panels and *Tightlink* fastening system. Stainless steel apron to be provided on operator side to mount controls.

Accessories:

- 34" high.
- Counter tops to be 14 gauge stainless steel with #4 finish with 1-1/2" square turndown on all sides.
- Tray slide, 12" wide, 16 gauge stainless steel with (3) inverted "V" runners, with ends and sides turned down and square with all corners fully welded, ground and polished. Support brackets to be adjustable for 1/4" in height and level, stainless steel fold down type. Mount on front panel at 32" AFF.
- Laminate front & end panels shall be 3/4" thick MDO with standard laminate, make and model to be determined, and shall have louvers where required, matching vinyl edge banding and laminate liner material for panel backing. Panel shall be easily removable for convenient front access of plumbing and electrical connections.
- Wall Mount application with Laminated hinged doors on customer side for access to under counter storage
- Set of 6" casters, swivel with two locking

ITEM # 48 SPARE NO.

ITEM # 49 SPARE NO.

ITEM # 50 SPARE NO.

ITEM # 51 JANITOR'S MOP SINK (FLOOR MOUNTED)

Quantity: One (1)
 Manufacturer: Advance Tabco
 Model: 9-OP-28

1. One (1) Model 9-OP-28 Mop Sink, floor mounted, 33"W x 25"D x 10"H (overall), 28"W x 20" front-to-back x 6" deep (bowl size), free flow drain with 2" IPS outlet, stainless steel construction

ITEM # 52 SERVICE FAUCET

Quantity: One (1)
Manufacturer: Fisher
Model: 18031

1. One (1) Model 18031 Service Sink Faucet, wall mount mixing faucet with 8" adjustable centers, EZ Install adapters, vacuum breaker, 6" spout with garden hose outlet, wrist handles, 1/2" inlets
- 2.
3. NOTE: MODEL QUOTED ABOVE IS NOT AVAILABLE IN A STAINLESS EQUIVALENT

ITEM # 53 JANITOR'S MOP RACK

Quantity: One (1)
Manufacturer: Advance Tabco
Model: K-242

1. One (1) Model K-242 Mop Hanger, 23", accommodates (3)

ITEM # 54 CHEMICAL WALL SHELF (KNIFE BRACKETS)

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: WS-WBB

1. One (1) Model WS-WBB Approximately 2'-9" l x 1'-0" w. Provide Stainless Fixtures, Inc. stainless steel chemical wall shelf with knife brackets. Wall shelf shall be: 16 ga stainless steel with #4 finish, bracket shall be 14 ga stainless steel.
2. One (1) This item to have polished edges standard.

ITEM # 55 CHEMICAL STORAGE SHELVING UNITS

Quantity: One (1)
Manufacturer: Metro
Model: SUPER ERECTA

1. One (1) Model SUPER ERECTA 4 – tier, 36"l x 21" deep Metro Super Erecta shelving units to be constructed of heavy gauge carbon steel. Site select posts have a double groove visual guide feature every 8", circular grooves at 1" increments, numbered at 2". Patented tapered slit sleeve snaps together around each post. Tapered openings in the shelf corners slide over the tapered

SUMMARY OF WORK
11 40 00 - 38
Palo Verde College
Child Development Center Blythe

split sleeves providing a positive lock. Shelf ribs run front to back allowing smooth on and off sliding of items. Uprights to include bolt levelers. Finish to be Super Erecta Brite. Provide in the configuration shown on plans, verify final sizes of shelves and posts by field measuring prior to ordering.

Choice of finishes - Super Erecta Brite and chrome-plated for dry storage, Metroseal 3 with Microban antimicrobial product protection and stainless steel for corrosive environments.

Note: Stainless stationary posts are equipped with stainless steel leveling bolt.

END OF SECTION 11 40 00 FOOD SERVICE EQUIPMENT SPECIFICATIONS

**SUMMARY OF WORK
11 40 00 - 39
Palo Verde College
Child Development Center Blythe**



REQUEST FOR INFORMATION

Project Name: Palo Verde CCD- New Child Development Center **RFI #:** PBRFI 003
To: Crystal.tautala@paloverde.edu **Date:** 1-18-2023
Subject: Geotechnical Report
From: Jerry Jensen jjensen@prowestconstructors.com 951-678-1038 x237
Drawing #: _____ **Detail Ref:** _____ **Spec Section:** _____

QUESTION:

Can a Geotechnical Report be provided for the project?

CONTRACTOR'S PROPOSED SOLUTION:

Additional pages attached: ___ Yes No

Number of additional pages attached: 0

RESPONSE TO RFI QUESTION:

SILLMAN: Geotechnical Report should be part of the bid-package provided by the College.
There should be two documents:
1. Geotechnical Report V1
2. Geo Report Addendum

Response By (Firm Name):

SILLMAN

Signed:

Connor James Smith

Digitally signed by Connor James Smith

Date of RFI Response: 1.19.23



REQUEST FOR INFORMATION

Project Name: Palo Verde CCD- New Child Development Center **RFI #:** PBRFI 004
To: Crystal.tautala@paloverde.edu **Date:** 1-18-2023

Subject: Subcontractor Listing

From: Jerry Jensen jjensen@prowestconstructors.com 951-678-1038 x237

Drawing #: _____ **Detail Ref:** _____ **Spec Section:** _____

QUESTION:

Public Contracting Code only requires Subcontractor Name, Location, License and DIR to be submitted but you are requesting cost as well. Cost is not normally something requested to be listed nor is it a requirement per the code. Is the pricing request to verify the listing of a sub? Pricing is in flux until the very end of the bidding period.

CONTRACTOR'S PROPOSED SOLUTION:

Listing of cost for subcontractors is optional, not required.

Additional pages attached: ___ Yes No

Number of additional pages attached: 0

RESPONSE TO RFI QUESTION:

Response By (Firm Name):
 Palo Verde College
Signed: *[Signature]*

Date of RFI Response: 1.27.23

1. I do not see cabinets noted on the responsibility matrix, but I see them shown on plan sheet A814. Is the modular building supplier furnishing and installing cabinets?

All casework will be part of the modular company. Details shown on sheet A814 are for showing accessibility only.

2. The material matrix calls for Security Equipment and Educational Equipment to be installed by prime contractor. Can you give us a list of these items.

Please see sheet SLV1.0 for security camera locations and sheet E0.1 – section: Information Technology for additional information on the security cameras.

The only educational equipment listed for the prime contractor to install at this time are Smart TV's. There will potentially be 7 total throughout the building; with 4 in the classrooms (1 in each classroom), one in the reception, one in the principal's office and one in the Multi-Purpose Room. Please see AMS's electrical drawings; sheets E1.0A through E1.0D for electrical and data locations.

3. Appliances are checked on the responsibility matrix as both prime contractor and owner. Please clarify who is responsible for what.

Please reference the Equipment Schedule on sheet FS-201. Kitchen equipment shown in table will be provided by WEBB but installed by the GC.

The note shown on the responsibility matrix is a general note that was provided by the modular company.

4. Please confirm if there is an EMS system or not on the project. It is mentioned on the responsibility matrix.

There is currently no EMS system designed for this project.

5. The material matrix calls for a lot of low voltage items to be provided by prime contractor. Please provide a list of exactly what low voltage items are included on this project by the prime contractor. Does the College have a vendor they normally use?

Low voltage items included are the security cameras, Smart TV's, Wireless access points (WAP's) and MDF/IDF cabinets.

- Please see page 2 of this document for a cutsheet of the WAP's.
- Please see sheet SLV1.0 for security camera locations and sheet E0.1 – section: Information Technology for additional information on the security cameras.
- Please see AMS's electrical drawings; sheets E1.0A through E1.0D for electrical and data locations.

- The MDF/IDF cabinets will have an allowance and must have the cutsheets pre-approved before purchase.

Yes, the college typically uses Johnsons Electric for any small electrical repairs or smaller new installations. They are a local electrician in Blythe

6. Fire extinguishers are shown on sheet A200. Is the modular building supplier furnishing and installing these?

All Fire extinguishers shown on the modular sheets will be installed by them. There are no Fire Extinguishers mounted on the exterior of the building, nor any mounted throughout the site.

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Crystal Tautala

From: Connor Smith <csmith@sillmanarch.com>
Sent: Friday, January 27, 2023 9:38 AM
To: Crystal Tautala
Cc: Jose Amador
Subject: RE: RFI's New CDC

Hi Crystal,

I have 5 RFI's plus the list of 6 questions Precise Builders sent via email.

Here are RFI the breakdown:

- PB Oakview RFI 001- Plan Sheet Sizing ✓
- PB Prowest RFI 001_ Insurance Requirement Limits ✓
- PB Prowest RFI 002_ Missing Spec sections ✓
- PB Prowest RFI 003_ Geotechnical Report ✓
- PB Prowest RFI 004_ Subcontractor Listing ✓

Precise Questions Breakdown:

1. I do not see cabinets noted on the responsibility matrix, but I see them shown on plan sheet A814. Is the modular building supplier furnishing and installing cabinets?
2. The material matrix calls for Security Equipment and Educational Equipment to be installed by prime contractor. Can you give us a list of these items.
3. Appliances are checked on the responsibility matrix as both prime contractor and owner. Please clarify who is responsible for what.
4. Please confirm if there is an EMS system or not on the project. It is mentioned on the responsibility matrix.
5. The material matrix calls for a lot of low voltage items to be provided by prime contractor. Please provide a list of exactly what low voltage items are included on this project by the prime contractor. Does the College have a vendor they normally use?
6. Fire extinguishers are shown on sheet A200. Is the modular building supplier furnishing and installing these?

Please let me know if you have any questions.

Thanks,

Connor Smith | DESIGNER II

SILLMAN

csmith@sillmanarch.com

D: 949.680.5026

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