

Request for Proposals, RFP 22-15

Woodland Community College

Performing Arts and Culinary Services Project

Culinary Services Type II Equipment and Furnishings

DSA File No. 58-C1

DSA Application Number:

02-118286

tBP Job No. 22039.00

YCCD Project Number—RFP 22-15

Issuance Date: June 8, 2023

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ADVERTISEMENT FOR BIDS

June 8, 2023

PROJECT: Woodland Community College, Performing Arts and Culinary Services New Building,
Culinary Services Type II Equipment and Furnishings

Contractors/Vendors are invited to submit, under General Contract format, an offer under seal to perform the work defined for the referenced project to Yuba Community College District.

Submit proposals on **July 18, 2023**, at the office of **YUBA COMMUNITY COLLEGE DISTRICT ,
ATTN: DAVID WILLIS, YUBA COLLEGE, SUTTER COUNTY CENTER, DISTRICT
OFFICES, 3301 EAST ONSTOTT ROAD, YUBA CITY, CALIFORNIA, 95991** at times as specified
in the Section 00 21 13, "Instructions to Bidders".

The District will **not** be providing hard copy drawings and specifications.

Bid security will be required in the amount of **10 percent** of the Proposal Amount, in the form of a Bid Security Bond per Section 00 43 13, "Bid Security Forms" or approved equivalent.

Optional Pre-Bid Conference Zoom Meeting: Tuesday, June 21, 3pm Noon to 4pm

Join Zoom Meeting

<https://yccd-edu.zoom.us/j/82918057861>

Dial by your location

• +1 669 444 9171 US

Optional Pre-Bid Conference Zoom Meeting: Tuesday, July 5, 3pm Noon to 4pm

Join Zoom Meeting

<https://yccd-edu.zoom.us/j/86587507549>

Dial by your location

• +1 669 444 9171 US

Note: There are no mandatory pre-bid meetings for this project.

Requests for Information Due Date: July 7, 2023: 12:00pm noon.

Proposal Due Date: Tuesday, July 18, 2023, 2:00PM **Sharp.** Deliver proposal to the following address:

Yuba Community College District, Sutter County Center
District Offices, Second Floor, Room 217
Attention: David Willis
3301 East Onstott Road
Yuba City, California 95991

Note: Late proposals will not be accepted or considered. There will be a public bid opening.

The Instructions to Bidder define specific submittals that must accompany the Bid Proposal for each project. These include:

- * Summary of team members work experience and credentials.
- * Preliminary Schedule.
- * Cost Breakdowns.
- * Sub-Contractors List with contractor license number and Division of Industrial Relations registration number.
- * Bid Bond or acceptable alternative

Submit Bid Proposal on form provided in Document 00 41 00, "Bid Form". Do not use any other bid forms.

The Bid Proposal shall be submitted under a Condition of Irrevocability for a period of 90 days after submission.

The Owner reserves the right to accept or reject all offers, and to waive minor irregularities in compliance with bid procedures. All requirements established by the bidding requirements must be met in order for the Bid Proposal to be considered.

Thank you for your consideration of this invitation. Please direct requests for information and questions concerning this project in MS Word Format to the following:

1. **tBP Architecture.** ;

Daniel Manguy, email: dmanguy@tbparchitecture.com

Jennifer Davis, email: jdavis@tbparchitecture.com

AND copy:

2. **YCCD**; David Willis, email: dwillis@yccd.edu

Note: Include “RFP 22-15, RFI, WCC PA, Culinary Services, Type II Equipment and Furnishings” in the subject field of your email.

The End.

SECTION 00 21 13
INSTRUCTIONS TO BIDDERS

1.1 DEFINITIONS

- A. Addenda are written or graphic instruments issued prior to the execution of the Contract, which modify or interpret the Bidding Sections, including Drawings and Specifications by additions, deletions, clarifications, or corrections, Addenda will become part of the Contract Sections when the Construction Contract is executed.
- B. See Section 00 52 00, “Agreement for Services” for list of definitions related to Construction Contract.

1.2 BIDDERS REPRESENTATION

- A. Each bidder, by making his bid, represents that he has read and understands the Bidding Sections. After executing the Agreement, no consideration will be given to any claim of misunderstanding of the Sections.
- B. Each bidder, by making his bid, represents that he has visited the site, inspected the area of the work, and familiarized himself with the local conditions under which the work is to be performed. Such inspection shall specifically consider requirements for accessing concealed spaces and determining sufficient clearance and installation space exists to complete the work shown in the Contract Sections.
- C. Each bidder, by stating the time for completion of the work on the Bid Form, agrees to commence the work within five days of notice to proceed and complete the work within the stipulated time period.

1.3 BIDDING PROCEDURE

- A. All bids must be prepared, in duplicate, on the forms provided and submitted in accordance with the Instructions to Bidders.

Completed Bid Package includes:

- 1. Section 01 61 00, “Bid Form”
 - 2. Subcontractor List as defined Section 00 52 00 – Agreement for Services, Contract Documents, Item 4.09
 - 3. Preliminary Schedule as defined Section 00 52 00 – Agreement for Services, Contract Documents, Item 4.12
 - 4. Section 00 45 10, “Verification of Vendor’s DIR Registration”
 - 5. Section 00 45 27, “Drug-Free Workplace Certification”
 - 6. Section 00 61 00, “Bid Bond”
- B. A bid is invalid if it has not been deposited at the designated location prior to the time and date for receipt of bids.
 - C. Submit bid package no later than the date and time listed in Section 00 11 13, “Advertisement for Bids” and Section 00 21 13, “Instructions to Bidders.”

- D. If email transmission method selected, Architect and Owner are not responsible for Contractor's inability to transmit Section for any reason, including equipment or transmission failure.
- E. Unless otherwise provided in any supplement to these Instructions to Bidders, no bidder shall modify, withdraw, or cancel his bid, or any part thereof, for **ninety (90) days** after the time designated for the receipt of bids.
- F. Prior to the receipt of bids, Addenda will be transmitted or delivered to each person, or firm, recorded by the Architect as having received the Bidding Sections, and will be available for inspection wherever the Bidding Sections are kept available for that purpose. Addenda issued after receipt of bids will be mailed or delivered only to the selected bidder.
- G. Each Bidder shall prepare and submit a list of suggested changes to products, systems or construction procedures sequences as shown in construction Sections. Do not list modifications with anticipated cost reductions of less than **\$5,000**. Provide detailed breakdowns for items selected for further review by Owner. See Section 00 26 00, "Procurement Substitution Procedures" for requirements.

1.4 EXAMINATION OF BIDDING SECTIONS

- A. Each bidder shall examine the Bidding Sections carefully and, not later than **seven (7) days** prior to the date for receipt of bids, shall make written request to the Architect for interpretation or correction of any ambiguity, inconsistency, or error therein which he may discover. Any interpretation or correction will be issued as an addendum by the Architect. Only a written interpretation or correction by addendum shall be binding. No bidder shall rely upon any interpretation or correction given by any other method.

1.5 SUBSTITUTIONS—NOT ACCEPTED

DUE TO THE MAGNITUDE AND COMPLEXITY OF THIS PROJECT, SUBSTITUTIONS ARE NOT BEING CONSIDERED. IF HOWEVER THERE IS AN ISSUE (MANUFACTURE HAS DISCONTINUED THE ITEM, ETC..) WITH THE SPECIFIED ITEMS, PLEASE SEND A REQUEST FOR INFORMATION WITH SUPPORT DOCUMENTATION AND RECOMMENDATION.

1.6 REJECTION OF BIDS

- A. The Bidder acknowledges the right of the Owner to reject any or all bids, and to waive any informality or irregularity in any bid received. In addition, the Bidder recognizes the right of the Owner to reject a bid if the Bidder fails to furnish any required bid security, or to submit the data required by the Bidding Sections, or if the bid is in any way incomplete or irregular.

1.7 SUBMISSION OF POST-BID INFORMATION

- A. Upon request by the Architect or the District, the selected bidder shall, **within seven (7) days thereafter**, submit the following:
 - 1. A designation of the work to be performed by the bidder with his own forces.
 - 2. Explanation establishing the experience, reliability and responsibility of the proposed subcontractors.
- B. Prior to the award of the Contract, the Architect or Owner will notify the Bidder, in writing, if either the Owner or the Architect, after due investigation, has reasonable and substantial objection to any person or organization on such list. If the Owner or Architect has such objection, and refuses, in writing, to accept such person or organization, the Bidder may withdraw his bid without forfeiture of bid security. If the Bidder submits an acceptable substitution with an increase in his bid price to cover the difference in cost occasioned by such substitution, the Owner may accept the increased bid price, or he may disqualify the Bidder. Subcontractors and other persons and organizations proposed by the Bidder, and accepted by the Owner and Architect, must be used on the work for which they were proposed and accepted, and shall not be changed, except with the written permission of the Owner and Architect.

1.8 CONSTRUCTION LABOR AND MATERIAL PAYMENT BOND

- A. The Owner will, prior to the execution of the contract, require the **bidder to furnish bonds** covering the faithful **performance** of the Contract and the **payment** of all obligations arising thereunder with such sureties secured through the bidders usual sources as may be agreeable to the parties. Each bond shall be in the amount of 100 percent of the Contract price and shall be submitted on forms stipulated in the Bidding Sections and the premiums shall be paid by the bidder. The bidder shall deliver the required bonds to the Owner not later than the date of execution of the Contract, or if the work is commenced prior thereto in response to a letter of intent, the bidder shall, prior to commencement of the work, submit evidence satisfactory to the Owner that such bonds will be issued. See Section 00 52 00, "Agreement for Services", Appendix C, for requirements.

1.9 BID SECURITY

- A. Provide bid security in the amount of **10 percent** of the proposal amount, on the form included in Section 00 61 00, "Bid Form", or approved equivalent.

1.10 TIME OF COMPLETION

- A. Bidders shall begin the Work on receipt of the Notice to Proceed and shall complete the Work within the Contract Time, as defined in Section 00 52 00, "Agreement for Services".
- B. Work is subject to liquidated damages, as defined in Section 00 52 00, "Agreement for Services".

1.11 PRELIMINARY CONSTRUCTION SCHEDULE

- A. Accompanying bid, Contractor shall submit a preliminary construction schedule. See Section
- B. Proposed overall construction period, major work sequences, utility disruption/shut down periods, and other critical scheduling considerations shall be shown in an approved format.

1.12 PROJECT MANAGEMENT STAFF

- A. Identify project manager and project superintendent proposed for project on Bid Form in designated location. When requested by Owner, provide resumes describing staff expertise.

1.13 SUBMISSION OF BIDS

- A. Sealed bids will be received by the Owner in accordance with procedures and schedule as defined in the Invitation to Bid.

END OF SECTION

**SECTION 00 25 13
PRE-BID MEETINGS**

PART 1 - GENERAL

1.1 PREBID MEETING

A. The District will conduct Prebid meetings as indicated below:

1. **Optional Pre-Bid Conference Zoom Meeting:** Tuesday, June 21, 3pm Noon to 4pm

Join Zoom Meeting

<https://yccd-edu.zoom.us/j/82918057861>

Dial by your location

• +1 669 444 9171 US

2. **Optional Pre-Bid Conference Zoom Meeting:** Tuesday, July 5, 3pm Noon to 4pm

Join Zoom Meeting

<https://yccd-edu.zoom.us/j/86587507549>

Dial by your location

• +1 669 444 9171 US

Note: There are no mandatory pre-bid meetings for this project. Attendance will be recorded for all optional meetings either on a log sheet or through a zoom meeting.

Requests for Information Due Date: July 07, 2023: 12:00pm noon.

- B. Attendance:
1. Prime Bidders: Attendance at Prebid meeting is **OPTIONAL**.
 2. Subcontractors: Attendance at Prebid meeting is recommended.
- C. **Typical Pre-Bid Meeting Agenda:** Prebid meeting agenda will include review of topics that may affect proper preparation and submittal of bids, including the following:
1. Introductions
 2. Procurement and Contracting Requirements:
 - a. Advertisement for Bids.
 - b. Instructions to Bidders.
 - c. Bidder Qualifications.
 - d. Bonding.
 - e. Insurance.
 - f. Bid Security.
 - g. Bid Form and Attachments.
 - h. Bid Submittal Requirements.
 - i. Bid Submittal Checklist.
 - j. Notice of Award.
 3. Communication during Bidding Period:
 - a. Bidder's Requests for Information (RFI's)
 - b. Bidder's Substitution Request/Prior Approval Request.
 - c. Addenda.
 4. Contracting Requirements:
 - a. Agreement.
 - b. The General Conditions.
 - c. The Supplementary Conditions. (Not Applicable)
 - d. Other Owner requirements.
 5. Construction Documents:
 - a. Scopes of Work.
 - b. Temporary Facilities.

- c. Use of Site.
 - d. Work Restrictions.
 - e. Alternates, Allowances, and Unit Prices.
 - f. Substitutions following award.
6. Schedule:
 - a. Project Schedule.
 - b. Contract Time.
 - c. Liquidated Damages.
 - d. Other Bidder Questions.
 7. Site/facility visit or walkthrough.
 8. Post-Meeting Addendum.
- D. Minutes: Entity responsible for conducting meeting will record and distribute meeting minutes to attendees and others known by the issuer to have received a complete set of Procurement and Contracting Documents. Minutes of meeting are issued as Available Information and do not constitute a modification to the Procurement and Contracting Documents. Modifications to the Procurement and Contracting Documents are issued by written Addendum only.
1. Sign-in Sheet: Minutes will include list of meeting attendees.
 2. List of Planholders: There are no Planholders for this project.

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

SECTION 00 26 00
PROCUREMENT SUBSTITUTION PROCEDURES

DUE TO THE MAGNITUDE AND COMPLEXITY OF THIS PROJECT, SUBSTITUTIONS ARE NOT BEING CONSIDERED. IF HOWEVER THERE IS AN ISSUE (MANUFACTURE HAS DISCONTINUED THE ITEM, ETC..) WITH THE SPECIFIED ITEMS, PLEASE SEND A REQUEST FOR INFORMATION WITH SUPPORT DOCUMENTATION AND RECOMMENDATION.

PART 1 - GENERAL

1.1 DEFINITIONS

- A. Procurement Substitution Requests: Requests for changes in products, materials, equipment, and methods of construction from those indicated in the Procurement and Contracting Documents, submitted prior to receipt of bids.
- B. Substitution Requests: Requests for changes in products, materials, equipment, and methods of construction from those indicated in the Contract Documents, submitted following Contract award. See Section 01 25 00 "Substitution Procedures" for conditions under which Substitution requests will be considered following Contract award.

1.2 QUALITY ASSURANCE

- A. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers.

1.3 PROCUREMENT SUBSTITUTIONS

- A. Procurement Substitutions, General: By submitting a bid, the Bidder represents that its bid is based on materials and equipment described in the Procurement and Contracting Documents, including Addenda. Bidders are encouraged to request approval of qualifying substitute materials and equipment when the Specifications Sections list materials and equipment by product or manufacturer name.
- B. Procurement Substitution Requests will be received and considered by Owner when the following conditions are satisfied, as determined by Architect; otherwise requests will be returned without action:
 - 1. Extensive revisions to the Contract Documents are not required.
 - 2. Proposed changes are in keeping with the general intent of the Contract Documents, including the level of quality of the Work represented by the requirements therein.
 - 3. The request is fully documented and properly submitted.

1.4 SUBMITTALS

- A. Procurement Substitution Request: Submit to Architect Procurement Substitution Request must be made in writing by prime contract Bidder only in compliance with the following requirements:

1. Requests for substitution of materials and equipment will be considered if received no later than ten (10) days prior to date of bid opening.
 2. Substitution Request Submittal Format: Submit PDF in format indicated in Section 01 25 00.10, "Substitution Request Form", and per procedures delineated in Section 01 25 00, "Substitution Procedures:".
 3. Provide certification by manufacturer that the substitute proposed is equal to or superior to that required by the Procurement and Contracting Documents, and that its in-place performance will be equal to or superior to the product or equipment specified in the application indicated.
- B. Architect's Action:
1. Architect may request additional information or documentation necessary for evaluation of the Procurement Substitution Request. Architect will notify all bidders of acceptance of the proposed substitute by means of an Addendum to the Procurement and Contracting Documents.
- C. Architect's approval of a substitute during bidding does not relieve Contractor of the responsibility to submit required shop drawings and to comply with all other requirements of the Contract Documents.

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

SECTION 00 31 13
PRELIMINARY SCHEDULES

PART 1 - GENERAL

1.1 PROJECT SCHEDULE

- A. This Document with its referenced attachments is part of the Procurement and Contracting Requirements for Project. They provide Owner's information for Bidders' convenience and are intended to supplement rather than serve in lieu of Bidders' own investigations. They are made available for Bidders' convenience and information, but do not affect Contract Time requirements. This Document and its attachments are not part of the Contract Documents.
- B. Available Project information includes the following:
 - 1. Project Schedule
- C. Important Milestone Dates:
 - 1. Mobilization and Start Construction: August 21, 2023
 - 2. All Submittals Received by August 28, 2023
 - 3. Substantial Completion: December 1, 2023
 - 4. Final Completion: January 12, 2024
- D. Contractor to include the above important milestone dates in the preliminary project schedule submitted with the proposal at bid date.

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

DOCUMENT 00 41 00
BID FORM

TO: Yuba Community College District, David Willis, District Director of Facilities Planning, Maintenance, and Operations

From: _____

OFFER

A. OFFER SCOPE

We, the undersigned, having carefully examined the site of the work, the adjoining site conditions, the Drawings and Specifications, Instructions to Bidders and the Contract Documents for the Construction of the defined projects, hereby propose and agree to furnish all required tools, equipment, services, facilities, transportation, materials and labor in conformance with the Drawings and Specifications and related contract documents, including all taxes, permits and licenses.

B. PROJECT: WOODLAND COMMUNITY COLLEGE, PERFORMING ARTS AND CULINARY SERVICES NEW BUILDING, CULINARY SERVICES TYPE II EQUIPMENT AND FURNISHINGS

The undersigned agrees to construct this project for the lump sum price of:

_____ Dollars
(\$ _____).

The total of "Exhibit A" which shall be attached to the Bid Form shall be the same as the above total lump sum price.

We acknowledge receipt of the following addenda and have included their provisions in this bid:

Addendum No. _____ Dated _____	Addendum No. _____ Dated _____
Addendum No. _____ Dated _____	Addendum No. _____ Dated _____
Addendum No. _____ Dated _____	Addendum No. _____ Dated _____

1.1 ACCEPTANCE

In submitting this bid, we agree:

1. To hold this bid open until **ninety (90) days** after date for receipt of bids.
2. To accept the provisions of the Instructions to Bidders regarding disposition of bid security.
3. To commence work within five days after receipt of written notice to proceed and to complete the Work within the proposed Contract Time period.
4. That the Owner shall be allowed the use of such portions of the building, prior to completion, as may be required to install fixtures, or equipment.

5. That time and access necessary to inspect existing conditions, including concealed spaces, was sufficient to prepare a complete and competent bid.

The undersigned fully understands that a contract is formed upon acceptance of this bid by the Owner, and the undersigned further agrees that he will promptly execute and deliver to the Owner, written memorial of the Agreement together with the Performance Bond, the Labor and Material Payment Bonds and the required Insurance Certificates.

1.2 CONTRACT TIME

If this proposal is accepted, we propose to complete the work in accordance with the Contract Documents within the stated number of calendar days from receipt of Notice to Proceed.

Per Specification 00 52 00, section 4.06 B: There are Liquidated Damages of \$300/calendar day after the 100% Completion Date of December 1, 2023.

A. PROJECT: CULINARY SERVICES TYPE II EQUIPEMNT AND FURNISHINGS

1.3 CONTRACTOR'S STAFF

The Contractor's/Vendor's Project Team consists of the following individuals:

Project Manager: _____

ATTACHMENTS

We have attached the following documents, fully executed and complete for each project:

- A. Subcontractor List as defined Section 00 52 00 – Agreement for Services, Contract Documents, Item 4.09
- B. Preliminary Schedule as defined Section 00 52 00 – Agreement for Services, Contract Documents, Item 4.12
- C. Proposed Schedule of Values Form in format described in Section 00 43 73, “Proposed Schedule of Values”
- D. Section 00 45 19, “Non-Collusion Affidavit”
- E. Section 00 45 10, “ Verification of Contractor and Subcontractor's DIR Registration”
Installation labor shall be at prevailing wage rates.
- F. Section 00 45 27, “Drug-Free Workplace Certification”
- G. Section 00 61 00, “Bid Bond”

1.5 AFFIRMATION AND SIGNATURE

DATE: _____
CONTRACTOR: _____
BY: _____
TITLE: _____
ADDRESS: _____
TELEPHONE: _____
LICENSE NUMBER: _____
SURETY: _____

SEAL (If Corporation)

Exhibit “A”:

List all equipment and furnishings included in the proposal per specification 11-40-00-73 and the associated drawings in an excel spreadsheet. Include the manufacturer, model number, quantity, and the cost for each item. Add the freight/shipping, installation labor, and the local sales tax at the bottom of the list. Then, total the cost of everything.

The award date is anticipated to be August 17, 2023.

All items need to be delivered and installed no later than December 1, 2023.

END OF SECTION

PRE-BID INQUIRY FORM

Project: Woodland Community College, Performing Arts and Culinary Services New Building, Culinary Services, Type II Equipment and Furnishings

Submittal Date _____

Bidder inquiries will be responded to only if: (i) submitted on this Pre-Bid Inquiry Form; (ii) this completed Pre-Bid Inquiry Form is submitted prior to the latest date/time for submittal of pre-bid inquiries as set forth in the Call for Bids; and (ii) this completed Pre-Bid Inquiry Form is submitted to the person or entity noted in the Call for Bids.

Item No.	Item Description	Drawing Sheet No. & Detail No. Reference	Specifications Section and Paragraph No. Reference

Submitted By:

(Bidder Name)

(Signature of Bidder’s Authorized Employee, Officer or Representative)

Bidder Contact Information:

(Bidder Contact Name)

(Phone and Fax)

END OF SECTION

SECTION 00 43 73
PROPOSED SCHEDULE OF VALUES FORM—Not Applicable

PART 1 - GENERAL

1.1 BID FORM SUPPLEMENT

- A. A completed Proposed Schedule of Values form is required to be attached to the Bid Form.

1.2 PROPOSED SCHEDULE OF VALUES FORM

- A. Proposed Schedule of Values Form: Provide a breakdown of the bid amount, including alternates, in enough detail to facilitate continued evaluation of bid. Coordinate with the Project Manual table of contents. Provide multiple line items for principal material and subcontract amounts in excess of five (5) percent of the Contract Sum.
- B. Arrange schedule of values using AIA Document G703 format, latest edition, or equal.
1. Copies of AIA standard forms may be obtained from the American Institute of Architects;
<https://www.aiacontracts.org/contract-documents/20631-continuation-sheet>

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

VERIFICATION OF CONTRACTOR AND SUBCONTRACTOR'S DIR REGISTRATION

I am the _____ of _____ (“Bidder”) (Title/Position) (Bidder Name)

submitting the accompanying Bid Proposal for the Work described as the **Yuba College, New Softball Field.**

1. The Bidder is currently registered as a contractor with the Department of Industrial Relations (“DIR”).
2. The Bidder’s DIR Registration Number is: _____. The expiration date of the Bidder’s DIR Registration is _____, 20__.
3. If the expiration date of the Bidder’s DIR Registration will occur prior to expiration of the Contract Time for the Work and the Bidder is awarded the Contract for the Work, prior to the Bidder’s DIR Registration expiration, the Bidder will take all measures necessary to renew the Bidder’s DIR Registration so that there is no lapse in the Bidder’s DIR Registration.
4. The Bidder has independently verified that each Subcontractor identified in the Subcontractors List is a DIR registered contractor.
5. The Bidder, if awarded the Contract for the Work will remain a DIR registered contractor for the entire duration of the Work.
6. The Bidder’s solicitation of Subcontractor bids included notice to prospective Subcontractors that: (i) all sub-tier subcontractors must be DIR registered contractors at all times during performance of the Work; and (ii) prospective subcontractors may only solicit sub-bids from and contract with lower-tier subcontractors who are DIR registered contractors.
7. If any of the statements herein are false or omit material facts rendering a statement to be false or misleading, the Bidder’s Bid Proposal is subject to rejection for non-responsiveness.
8. I have personal first-hand knowledge of all of the foregoing.

I declare under penalty of perjury under California law that the foregoing is true and correct.

Executed this ____ day of _____, 20__ at _____ (City and State)

(Signature)

(Name, typed or printed)

END OF SECTION

SECTION 00 45 19

NON-COLLUSION AFFIDAVIT—NOT APPLICABLE

STATE OF CALIFORNIA
COUNTY OF Yuba, CA

PROJECT: Woodland Community College, Performing Arts, Culinary Services, Type II Equipment

I, _____, being first duly sworn, deposes and says that I am the
(Typed or Printed Name)

_____ of _____, the party submitting the
(Title) (Bidder Name)

foregoing Bid Proposal (“the Bidder”). In connection with the foregoing Bid Proposal, the undersigned declares, states and certifies that:

1. The Bid Proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization or corporation.
2. The Bid Proposal is genuine and not collusive or sham.
3. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any other bidder or anyone else to put in sham bid, or to refrain from bidding.
4. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price, or that of any other bidder, or to fix any overhead, profit or cost element of the bid price or that of any other bidder, or to secure any advantage against the public body awarding the contract or of anyone interested in the proposed contract.
5. All statements contained in the Bid Proposal and related documents are true.
6. The bidder has not, directly or indirectly, submitted the bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any person, corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Executed this _____ day of _____ 20____ at _____
(City, County and State)

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Dated _____

By: _____
(Signature of Bidder’s Authorized Officer or Representative)

(Typed or Printed Name)

END OF SECTION

SECTION 00 45 26
CERTIFICATE OF WORKERS' COMPENSATION INSURANCE

I, _____ the _____ of
(Name) (Title)

_____, declare, state and certify that:
(Contractor Name)

1. I am aware that California Labor Code §3700(a) and (b) provides:
“Every employer except the state shall secure the payment of compensation in one or more of the following ways:
(a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this state.
(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure either as an individual employer, or one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.”
2. I am aware that the provisions of California Labor Code §3700 require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of this Contract.
3. I am authorized to execute this Certificate of Workers' Compensation Insurance on behalf of the above-identified Contractor.

By: _____
(Signature of Bidder's Authorized Officer or Representative)

(Typed or Printed Name)

Title: _____

END OF SECTION

SECTION 00 45 27
DRUG-FREE WORKPLACE CERTIFICATION

I, _____, am the _____ of
(Print Name) (Title)

(Contractor Name)

I declare, state and certify to all of the following:

1. I am aware of the provisions and requirements of California Government Code §§8350 et seq., the Drug Free Workplace Act of 1990.
2. I am authorized to certify, and do certify, on behalf of Contractor that a drug free workplace will be provided by Contractor by doing all of the following:
 - 2.1. Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in Contractor’s workplace and specifying actions which will be taken against employees for violation of the prohibition.
 - 2.2. Establishing a drug-free awareness program to inform employees about all of the following: (i) the dangers of drug abuse in the workplace; (ii) Contractor’s policy of maintaining a drug-free workplace; (iii) the availability of drug counseling, rehabilitation and employee-assistance programs; and (iv) the penalties that may be imposed upon employees for drug abuse violations.
 - 2.3. Requiring that each employee engaged in the performance of the Contract be given a copy of the statement required by Paragraph 2.1 above, and that as a condition of employment by Contractor in connection with the Work of the Contract, the employee agrees to abide by the terms of the statement.
3. Contractor agrees to fulfill and discharge all of Contractor’s obligations under the terms and requirements of California Government Code §8355 by, inter alia, publishing a statement notifying employees concerning: (i) the prohibition of any controlled substance in the workplace, (ii) establishing a drug-free awareness program, and (iii) requiring that each employee engaged in the performance of the Work of the Contract be given a copy of the statement required by California Government Code §8355(a) and requiring that the employee agree to abide by the terms of that statement.
4. Contractor and I understand that if the District determines that Contractor has either: (i) made a false certification herein, or (ii) violated this certification by failing to carry out and to implement the requirements of California Government Code §8355, the Contract awarded herein is subject to termination, suspension of payments, or both. Contractor and I further understand that, should Contractor violate the terms of the Drug-Free Workplace Act of 1990, Contractor may be subject to debarment in accordance with the provisions of California Government Code §§8350, et seq.
5. Contractor and I acknowledge that Contractor and I are aware of the provisions of California Government Code §§8350, et seq. and hereby certify that Contractor and I will adhere to, fulfill, satisfy and discharge all provisions of and obligations under the Drug-Free Workplace Act of 1990.
6. All Yuba Community College District College properties and buildings are “tobacco-free and vape-free” per Board of Trustees and District Policy.

I declare under penalty of perjury under the laws of the State of California that all of the foregoing is true and correct. Executed this ____ day of _____ 20__ at

(City and State)

By: _____
(Signature of Bidder's Authorized Officer or Representative)

(Typed or Printed Name)

Title: _____

END OF SECTION

SECTION 00 51 00
NOTICE OF AWARD

PART 1 - GENERAL

1.1 BID INFORMATION

- A. Bidder: <Insert successful bidder name>.
- B. Bidder's Address: <Insert street address, city, state, zip, and telephone>.
- C. Prime Contract: <Insert prime contract name>.
- D. Project Name: Yuba College Campus, New Softball Field.
- E. Project Location: 2088 N Beale Rd, Marysville, CA 95901
- F. Owner Representative: David Willis, District Director of Facilities, Maintenance, and Operations
- G. Architect: HY Architects, Inc.
 - 1. Howard Cho, Principal, Architect of Record
 - 2. Howard Cho, Project Architect
- H. Architect Project Number: 5924

1.2 NOTICE OF **INTENT TO AWARD** [**AWARD**] CONTRACT

- A. Notice: The above Bidder is hereby notified that their bid, dated <Insert date>, for the above Contract has been considered and the Bidder is hereby awarded a contract for the construction of the Yuba College New Softball Field Complex.

INCLUDE BELOW, IF APPLIES ONLY

Alternates Accepted: The following alternates have been accepted by Owner and have been incorporated in the Contract Sum:

- 1. Alternate No. 1: <Insert alternate title>.
- 2. Alternate No. 2: <Insert alternate title>.

- B. Contract Sum: The Contract Sum is <Insert written amount> dollars (\$ <Insert numeric amount>).

1.3 EXECUTION OF CONTRACT

- A. Contract Documents: Copies of the Contract Documents will be made available to the Bidder immediately. The Bidder must comply with the following conditions precedent **within seven (7) calendar days** of the above date of issuance of the Notice:
 - 1. Emailed Contractor Agreement for Services (CAFS), fully filled-out and executable/signed per specification 00 52 00 by email to:
 - a. Rachel Harvey; rh Harvey@yccd.edu
 - b. David Willis; dwillis@yccd.edu

2. Deliver with the executed Contract Documents Performance and Payment Bonds and Certificates of Insurance required by the Contract Documents.

a. Email a copy of these documents to:

- 1) Rachel Harvey; rharvey@yccd.edu
- 2) David Willis; dwillis@yccd.edu

b. Mail one Original of the signed/notarized Performance and Payment Bonds to:

- 1) Yuba Community College District
Sutter County Center, District Offices
Attention: David Willis
3301 East Onstott Road, Yuba City, California, 95993

B. Compliance: Failure to comply with conditions of this Notice within the time specified will entitle Owner to consider the Bidder in default, annul this Notice, and declare the Bidder's Bid security forfeited.

1. Within seven (7) days after the Bidder complies with the conditions of this Notice, Owner will return to the Bidder one fully executed copy of the Contract Documents.

1.4 NOTIFICATION

A. This Notice is issued by:

1. Owner: Yuba Community College District/ David L. Willis
2. Authorized Signature: _____ (Handwritten signature).
3. Signed By: David L. Willis (Type or print name).
4. Title: Director of Facilities Planning, Maintenance and Operations (Owner).

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION



District Offices, Attn.: Rachel Harvey, David Willis, 3301 East Onstott Road, Yuba City, California 95991

CONTRACTORS AGREEMENT FOR SERVICES

1. **PROPOSED START DATE:** _____ **PROPOSED END DATE:** _____

2. **IDENTIFICATION OF CONTRACTOR:**

CONTRACTOR:

LICENSE NO:

LICENSE EXPIRATION DATE:

DIR REGISTRATION NO:

DIR REGISTRATION EXPIRATION DATE:

3. **CAFS AGREEMENT—WORK ORDERS:** The specific work and services to be performed under this Contractors Agreement For Services (**CAFS Agreement**), the amounts to be paid, the times for performance, and liquidated damages (if any), are to be described in one or more Work Order(s), substantially in form attached hereto as Attachment A (each, including attachments thereto, an **Order**). However, nothing in this CAFS Agreement or any other document guarantees the execution of any Order, and the issuance of any Order does not guaranty the issuance of any further Orders.

4. **CONTRACT DOCUMENTS AND MISCELLANEOUS:**

4.01 Contractor shall perform the Work in accordance with the following (together, **Contract Documents**):

- A. This CAFS Agreement:
- B. Appendix A – General Conditions
- C. Appendix B -- Insurance
- D. Appendix C – Construction Labor and Material Payment Bond
- E. Appendix D – Construction Performance Bond
- F. Appendix E - Supplemental Conditions (Not Applicable)
- G. Appendix F – Firm/Contractor Checklist
- H. Appendix G – Addenda

I. Appendix H - Contractor Proposal (Refer to Specification 00 41 00 for the Bid Proposal Form)

4.02 Other Related Sections and Forms:

- A. Signature/Stamps Page
- B. 00 01 00 - Table of Contents
- A. 00 01 12 - DSA Form 103 Statement of Structural Tests & Inspections
- B. 00 11 13 – Advertisement for Bids, including Bid Addenda Nos. _____
- C. 00 21 13 - Instructions to Bidders
- D. 00 41 00 - Bid Form
- E. 00 43 24 - Pre-Bid Inquiry Form
- F. 00 45 10 - Verification of Contractor and Subcontractor's DIR Registrations
- G. 00 45 19 Non-Collusion Affidavit
- H. 00 45 26 Certificate of Workers' Compensation Insurance
- I. 00 45 27 Drug-Free Workplace Certification
- J. 00 60 00 - Project Forms
- K. 00 61 10 - Bid Bond
- L. 00 62 90 - Verification of Certified Payroll Records Submittal to Labor Commission
- M. 00 65 36 - Guarantee Form
- N. 00 65 37 - Contractor Certification of Subcontractor Claim

4.03 The Contract Documents are the sole and exclusive provisions that govern the Work. Any provision contained in any District purchase order issued in connection with this CAFS Agreement or any Work shall be null and void and shall have no force or effect.

4.04 CAFS Agreement and Order numbers must appear on all invoices and correspondence. Send invoices in duplicate immediately upon performance of Work under any Order or as otherwise provided in Contract Documents to:

Yuba Community College District

Sutter County Center, District Offices, Yuba City, California 95991

Attn: Accounts Payable

4.05 Contract Time. The Work shall be commenced on the date stated in the District's Notice to Proceed. The Contractor shall achieve Substantial Completion of the Work **one hundred and forty seven 147 calendar days** after the commencement date of the Work set forth in the Notice to Proceed.

4.06 Liquidated Damages. The Contractor shall be subject to assessment of Liquidated Damages if the Contractor: (i) fails to achieve Substantial Completion of the Work within the Contract Time, including adjustments thereto authorized by the Contract Documents; (ii) fails to submit Submittals in accordance with the Submittal Schedule; or (iii) fails to complete Punchlist items noted upon Substantial Completion within the time established to complete the Punchlist items. The per diem rate of Liquidated Damages assessed for each of the foregoing events is as follows:

- A. Liquidated Damages. The per diem rate of Liquidated Damages for delayed Substantial Completion, delayed submission of Submittals and delayed completion of Punchlist shall be as set forth herein.
- B. 100% Completion Date: December 1, 2023. If Substantial Completion is not achieved on or before expiration of the Contract Time, the Contractor shall be liable to the District for Liquidated Damages from the date of expiration of the Contract Time to the date that the Contractor achieves Substantial Completion of the Work at the per diem rate of **Three Hundred Dollars (\$300)**.
- C. Delayed Submission of Submittals (Not Applicable)
- D. Surety Liability. Subject only to limitations established by the penal sum of the Performance Bond, the Surety issuing the Performance Bond shall be liable to the District for Liquidated Damages due from the Contractor.

4.07 By signing below, each individual executing this instrument represents that he or she has the authority to execute this instrument and to bind the party on whose behalf the execution is made.

4.08 Provide contact information for staff that will be administering the contract, per the table below:

Name:
Title/Project Role:
Address:
Office Phone Number:
Cell Phone Number:
Email Address:

4.09 List all first Tier Sub-Contractors, Contractor License Numbers, and Scope of Work:

No.	Sub-Contractor Name	Contractor License Number	Scope of Work Under Contract
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Attach pages as needed to describe additional sub-contractor information.

4.10 Change Order Cost Estimating: Provide rationale for cost estimating of change orders by either getting multiple quotes for the work, using unit pricing from MS Means cost data for the region, or by other methods

that allow a thoughtful determination of maximum value to the District. See Section 01 26 00, Contract Modification Procedures

- 4.11 Change Order Mark-Ups.** Provide change order mark-up percentage on all changes to cover profit and overhead by the general/prime contractor and sub-contractors.

General/Prime contractor mark-up percentage: 10%.

Sub-contractor mark-up percentage: 10%.

- 4.12 Schedule.** Provide a preliminary schedule for the work to be completed with the proposal. Note any issues or considerations that may impact the schedule. Note if overtime is included or not.

(Signatures on Next Page)

CONTRACTOR [Insert CONTRACTOR NAME]

**OWNER: YUBA COMMUNITY COLLEGE
DISTRICT**

Signature

Signature

Print Name & Title

Print Name & Title

Date

Date

Addresses for Notices:

Attn:

Yuba Community College District
Chancellor
Yuba College, Sutter County Center,
District Offices
3301 East Onstott Road
Yuba City, California 95991

Signature

Print Name & Title

Date

Yuba Community College District
Vice-Chancellor of Administrative Services:
Kuldeep Kaur
Yuba College, Sutter County Center, District Offices
3301 East Ontott Road
Yuba City, California, 95991

Signature

Print Name & Title

Date

Yuba Community College District
Director, Facilities Planning
David Willis
Maintenance & Operations
Yuba College, Sutter County Center, District Offices
3301 East Ontott Road
Yuba City, California, 95991

(End of CAFS Agreement)

Requisition# _____

G/L# _____

APPENDIX A, TO CONTRACTORS AGREEMENT FOR SERVICES**GENERAL CONDITIONS****5 ARTICLE 1 - TERMS OF PERFORMANCE**

5.01 Contract Documents Force and Effect. The Contract Documents constitute the entire agreement between the Contractor and District regarding the Work. No representation, term or covenant not expressly specified in the Contract Documents shall be included in the parties' agreement. The Contract Documents shall govern the Work (whenever performed), and shall supersede all other agreements and documents between Contractor and District, and any proposal, with respect to any Work.

5.02 Construction Performance Bond; Construction Labor and Materials Payment Bond; Securities in Lieu of Retention Escrow Account.

5.02.1 Except for Orders that consist solely of maintenance work, if the compensation under any Order, or the aggregate compensation under all Orders expected to be issued under the CAFS Agreement at the time the CAFS Agreement is executed, exceeds (or is expected to exceed) \$25,000, Contractor shall provide (i) a construction labor and material payment bond, in accordance with Civil Code Section 9550 and in form attached to the CAFS Agreement as Appendix C – Construction Labor and Materials Payment Bond, and (ii) a construction performance bond in form attached to the CAFS Agreement as Appendix D – Construction Performance Bond. Contractor may not substitute cash in lieu of the required bond(s).

5.02.2 If the CAFS Agreement or any Order specifies performance retention, Contractor may elect to substitute securities or direct payment to an escrow account, pursuant to Public Contract Code Section 22300 (incorporated herein by this reference).

5.03 Records and Payment Requests. Contractor shall submit all billings with all necessary invoices or other appropriate evidence of proper performance, after which District shall make payment within 30 days. Upon District's written request, Contractor shall make available to District, its authorized agents, officers, or employees, any and all ledgers, books of accounts, invoices, vouchers, cancelled checks, and other records or documents evidencing or relating to the Work or the expenditures and disbursement charged to District, and all correspondence, internal memoranda, calculations, books and accounts, records documenting its Work under the Contract Documents, and invoices, payrolls, timecards, records and all other data related to matters covered by the Contract Documents. Contractor shall furnish to District, its authorized agents, officers, or employees, such other evidence or information as District may require with regard to the Work or any such expenditure or disbursement charged by Contractor. Contractor shall maintain all such documents and records prepared by or furnished to Contractor during the course of performing the Work for at least five years following completion of the Work, except that all such items pertaining to hazardous materials shall be maintained for at least 30 years. Contractor shall permit District to audit, examine and make copies, excerpts and transcripts from such records. The State of California or any federal agency having an interest in the subject of the Contract Documents shall have the same rights conferred to District by this section. Such rights shall be specifically enforceable.

5.04 Use of Contract Documents and Other Information. Drawings, Specifications, and other Contract Documents are made available to Contractor solely for Contractor's use under the Contract Documents. Further, all tangible and intangible property developed, produced and/or provided by Contractor under the Contract Documents, and all such items (other than Contract Documents) provided by District to Contractor

in connection with the Contract Documents including, without limitation, drawings, specifications, sketches, models, samples, tools, computer programs, technical information, confidential business information, scripts, customer or personnel information and data, whether written, oral or otherwise (all hereinafter referred to as **Information**) shall be District's sole property. Contractor may not use Contract Documents or Information for any purpose unrelated to Contract Documents without prior written consent of District's Executive Vice Chancellor. All copies of Information in written, graphic, or other tangible form shall be delivered to District upon completion of Work, or earlier if otherwise provided in Contract Documents.

5.05 Performance of Work/No Assignment. Time is of the essence in the performance of the Work. Contractor will perform the Work in a skillful and workmanlike manner; comply fully with criteria established by District, and with applicable laws, codes, and all applicable industry standards. Contractor shall maintain its work area(s) in a clean and sanitary condition, clear debris and trash at the end of each work day, and shall not damage or disrupt any property unless specifically part of the scope of the Contract Documents. Contractor shall not contract any portion of the Work or otherwise assign the Contract Documents without prior written approval of District. (Contractor shall remain responsible for compliance with all terms of the Contract Documents, regardless of the terms of any such assignment.) Contractor shall permit District (or its designees) access to the work area, Contractor's shop, or any other facility, to permit inspection of the Work at all times during construction and/or manufacture and fabrication. The granting of any progress payment, and any inspections, reviews, approvals or oral statements by any District representative, or certification by any governmental entity, shall in no way limit or relieve Contractor from its obligations under the Contract Documents. Either party's waiver of any breach, or the omission or failure of either party, at any time, to enforce any right reserved to it, or to require strict performance of any provision of the Contract Documents, shall not be a waiver of any other right to which any party is entitled, and shall not in any way affect, limit, modify or waive that party's right thereafter to enforce or compel strict compliance with every provision hereof. District shall have, at all times, set-off rights with respect to any payment and Contractor's failure to perform the terms of the Contract Documents.

5.06 Defective Work; Warranties. Contractor warrants that all construction services shall be performed in accordance with generally accepted professional standards of good and sound construction practices, all Contract Documents requirements, and all laws, codes, standards, licenses, and permits. Contractor warrants that all materials and equipment shall be new, of suitable grade of their respective kinds for their intended uses, and free from defects. Contractor hereby grants to District for a period of one year following the date of completion of all Work under an Order its unconditional warranty of the quality and adequacy of all of the Work under that Order including, without limitation, all labor, materials and equipment provided by Contractor and its Subcontractors of all tiers. If either prior to completion of the Work under an Order, or within one year after completion of the Work under that Order, any Work (completed or incomplete) is found to violate any of the foregoing warranties (**Defective Work**), Contractor shall promptly, without cost to District and in accordance with District's written instructions, correct, remove and replace the Defective Work with conforming Work, and correct, remove and replace any damage to other Work or other property resulting therefrom. If Contractor fails to do so within five days of District's written notice (or other time period specified in the notice), Contractor shall pay all of the District's resulting claims, costs, losses and damages. Where Contractor fails to timely correct Defective Work, or defects are discovered outside the correction period, District shall have all rights and remedies granted by law.

5.07 Scope of Liquidated Damages.

5.07.1 This paragraph applies to any Order that provides for payment of liquidated damages.

5.07.2 Contractor and District agree that because of the nature of the Work, it would be impractical or extremely difficult to fix the amount of such actual damages incurred by District because of a delay in completion of all or any part of the Work. Contractor and District agree that specified measures of

liquidated damages shall be presumed to be the amount of such damages actually sustained by District, and that because of the nature of the Work, it would be impracticable or extremely difficult to fix the actual damages.

Liquidated damages for delay shall cover administrative, overhead, interest on bonds, and general loss of public use damages suffered by District as a result of delay. Liquidated damages shall not cover the cost of completion of the Work, damages resulting from Defective Work, lost revenues or costs of substitute facilities, or damages suffered by others who then seek to recover their damages from District (for example, delay claims of other contractors, subcontractors, tenants, or other third-parties), and defense costs thereof. District may deduct from any money due or to become due to Contractor subsequent to time for completion of entire Work and extensions of time allowed pursuant to provisions hereof, a sum representing then-accrued liquidated damages.

- 5.08 Earthwork and Underground Facilities.** If any Work involves digging trenches or other excavations that extend deeper than four feet below the surface, Contractor shall notify District in writing of any material that Contractor believes may be hazardous waste that is required to be removed in accordance law, subsurface or latent physical conditions at the site differing from those indicated by information about the site made available to bidders prior to the deadline for submitting bids, or unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents, pursuant to Public Contract Code Section 7104. For any Work involving trench shoring that costs in excess of \$25,000, Contractor shall submit and District (or a registered civil or structural engineer employed by District) must accept, in advance of excavation, a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench or trenches, pursuant to Labor Code Section 6705. If such plan varies from the shoring system standards, the plan shall be prepared by a registered civil or structural engineer. Consistent with Government Code Section 4215, as between District and Contractor, District will be responsible for the timely removal, relocation, or protection of existing main or trunk line utility facilities located on the Site only if such utilities are not identified in the Contract Documents or information made available for bidding.

6 LEGAL

- 6.01 Compliance with Laws; Conflict of Interests.** Contractor shall comply with all applicable federal and state laws, regulations and policies, as amended, including those regarding discrimination, unfair labor practices, anti-kick-back, collusion, prevailing wages, labor compliance, and the provisions of the Americans with Disability Act. Contractor shall comply with all applicable obligations under the Field Act, Education Code Sections 17280-17317, 17365-17374, 81050-81054, and 81130-81149, and California Code of Regulations, Title 24, Part 1 California Building Standards Administrative Code. If applicable, Contractor shall comply with Government Code Section 8546.7 which provides that any contract involving expenditure of public funds in excess of \$10,000 requires that the contracting parties shall be subject to the examination and audit of the Auditor General for a period of three years after final payment under the contract. Contractor, its officer, partners, associates, agents, and employees, shall not make, participate in making, or in any way attempt to use the position afforded them by the Contract Documents to influence any governmental decision in which he or she knows or has reason to know that he or she has a financial interest under applicable state, federal and local conflict of interest regulations. Contractor warrants that no person or agency has been employed or retained, or will be employed or retained, to solicit or obtain any contract with District, upon an agreement or understanding for a contingent fee, except a bona fide employee or agency.
- 6.02 Licenses, Patents, Permits.** Before commencing Work, Contractor shall apply for, obtain and maintain in current status, at its own expense, any license, permit or approval required from any agency for the performance

of Work. To the greatest extent permitted by law, Contractor shall not be entitled to any compensation for any Work performed while not properly licensed, etc.

6.03 Fair Employment Practices/Equal Opportunity Acts. District is an equal opportunity employer. By executing a CAFS Agreement or Order, Contractor certifies that it is in compliance with the Equal Employment Opportunity Requirement of Executive Order 11246, Title VII of the Civil Rights Act of 1973, the California Fair Employment Practices Act and any other Federal or State laws and regulations related to Equal Employment Opportunity. Contractor's personnel policies shall be made available to District upon request.

A. Employee / Prevailing Wages; Records; Apprentices. Pursuant to California Labor Codes 1771, 1774, and 1775, this Work is subject to compliance monitoring and enforcement by the Department of Industrial Relations. Contractor shall post job site notices as prescribed by regulation. Contractor and all subcontractors shall pay prevailing wages to its employees on any Order in excess of \$1,000.00. Copies of the prevailing rate of per diem wages are on file at District's principal office. Contractor shall comply with the 8-hours per day/40 hours per week/overtime/working hours restrictions for all employees, pursuant to the California Labor Codes 1813 and 1815. Contractor and all subcontractors shall keep and maintain accurate employee payroll records for Work performed. The payroll records shall be certified and submitted as required by law, including Labor Code Section 1771.4 and 1776, including (if the CAFS Agreement or any Order is awarded on or after April 1, 2015 or continues on or after January 1, 2016) to the Labor Commissioner no less frequently than monthly. Contractor shall comply fully with Labor Code Section 1777.5 in the hiring of apprentices for work relating to the CAFS Agreement. If any Order exceeds \$2,000 and is funded with federal funds, then Contractor shall pay federal Davis Bacon wages and comply with applicable federal requirements.

B. Are there any exceptions to the registration requirement?

The contractor registration requirement does not apply to contractors working solely on public works projects awarded prior to April 1, 2015. Some exceptions allow contractors to bid on federally funded projects or submit joint venture bids without first being registered, as long as the contractors that are parties to the joint venture and the joint venture are registered at the time the contract is awarded.

Contractors who work exclusively on small public works projects are not required to register as a public works contractor or file electronic certified payroll reports for those projects. Contractors are still required to maintain certified payroll records on a continuous basis, and provide them to the Labor Commissioner's Office upon request. Additionally, awarding agencies are not required to submit the notice of contract award through DIR's PWC-100 system on projects that fall within the small project exemption. **The small project exemption applies for all public works projects that do not exceed:**

- o **\$25,000 for new construction, alteration, installation, demolition or repair**
- o **\$15,000 for maintenance**

C. Who is eligible to register?

Contractors must meet the following requirements to register:

- o Have workers' compensation coverage for any employees and only use subcontractors who are registered public works contractors.
- o Have a Contractors State License Board license if applicable to trade.
- o Have no delinquent unpaid wage or penalty assessments owed to any employee or enforcement agency.
- o Not be under federal or state debarment.
- o Not be in prior violation of this registration requirement once it becomes effective. However, for the first violation in a 12-month period, a contractor may still qualify for registration by paying an additional penalty.

D. How much does registration cost, and how long does it last?

Registration costs \$400 and covers one fiscal year (July 1–June 30), regardless of the date on which a contractor registers. Registration is renewable annually.

E. What if I don't register (i.e., what are the consequences of noncompliance)?

Contractors who are required to register but fail to do so are ineligible to bid or work on a public works contract and can be removed from any public works project on which they currently are working. For a single violation in a 12-month period, a contractor who is otherwise eligible may still register by paying a \$2,000 penalty in addition to the \$400 registration fee. Registered contractors who inadvertently fail to renew by June 30, but continue to work on public works after that date, have a 90-day grace period to renew retroactively by paying a \$400 penalty in addition to the registration renewal fee.

F. How long does it take for DIR to process contractor registrations, verify submitted information, and post contractor information in the registration list that is accessible online?

This process can take less than 24 hours if registration fees (including penalties, if applicable) are paid by credit card. Verification of payment by other means can take up to eight weeks.

- 6.04 Mandatory Contractor and Subcontractor Registration.** Pursuant to Labor Code Section 1771.1(a), Contractor represents that it and all of its Subcontractors are currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Contractor covenants that any additional or substitute Subcontractors will be similarly registered and qualified.
- 6.05 Indemnity/Liability.** Contractor shall defend, indemnify, and save harmless, to the fullest extent permitted by law, the District and each of its officers, directors, representatives, agents and employees, against all claims, suits, actions, loss, cost, damage, expense, and liability arising from or related to bodily injury to or death of any person or damage to any property, or resulting from any breach and/or Contractor's negligence in performing the Work pursuant to the Contract Documents. Notwithstanding any provision of the Contract Documents, District shall not be liable to Contractor or anyone claiming under it, in contract or tort, for any special, consequential, indirect or incidental damages arising out of or in connection with the Contract Documents or the Work. District's rights and remedies, whether under the Contract Documents or other applicable law, shall be cumulative and not subject to limitation.
- 6.06 Worker's Compensation.** Pursuant to Labor Code Sections 1860 and 1861, in accordance with the provisions of Section 3700 of the Labor Code, every contractor will be required to secure the payment of compensation to his employees. Contractor represents that it is aware of the provisions of Labor Code Section 3700 that require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that Code, and Contractor shall comply with such provisions before commencing the performance of the Work.

7 MISCELLANEOUS

- 7.01 No Modification or Waiver; Severability.** The Contract Documents may not be modified, nor may compliance with any of its terms be waived, except by written instrument executed and approved by fully authorized representatives of District and Contractor. Contract Documents headings are for convenience only and do not affect the construction of the Contract Documents. Should any part of the Contract Documents be declared invalid, void or unenforceable, all remaining parts, terms and provisions of the Contract Documents shall remain in full force and effect and shall in no way be invalidated, impaired or affected thereby.
- 7.02 Independent Contractor.** Contractor is an independent Contractor and does not act as District's agent in any capacity, whatsoever. Contractor is not entitled to any benefits that District provides to District employees including, without limitation, insurance, worker's compensation benefits or payments, pension benefits, health benefits or insurance benefits. Terms within the Contract Documents regarding directives apply to and concern the result of the Contractor's provision of Work not the means, methods, or scheduling of the Contractor's Work. Contractor shall be solely responsible for the means, methods, techniques, sequences and procedures with respect to its provision of Work under the Contract Documents. Contractor shall pay all payroll taxes imposed by any governmental entity and will pay all other taxes not specifically identified in the Contract Documents as District's responsibility.
- 7.03 Termination; Suspension; Disputes.** District may direct Contractor to terminate, suspend, delay, interrupt or accelerate Work, in whole or in part, for such periods of time as District may determine in its sole discretion. District will issue such directives in writing, and may do so, in whole or in part, for its convenience or due to Contractor's fault. District will compensate Contractor for extra costs resulting from such directives only to the extent that District issues such directives for its convenience and not due to Contractor's fault (but District shall not compensate Contractor for costs, profit or overhead anticipated to be earned or incurred on Work terminated for District's convenience.) Contractor shall continue its Work throughout the course of any dispute, and Contractor's failure to continue Work during a dispute shall be a material breach of the Contract Documents. All claims by Contractor against District shall be submitted in writing to District, and shall be governed by Public Contract Code Sections 20104 – 20104.6, after which time the one year time period in Government Code Section 911.2 shall be, pursuant to Government Code Section 930.2, reduced to 90 days. Should Contractor be terminated for default, and such termination is subsequently determined to be wrongful, such termination will be converted to a termination for convenience as provided herein.
- 7.04 Notices.** All notices between the parties hereto shall be in writing and may be served by commercial express/overnight courier service or by depositing the same in the United States mail, postage prepaid and certified receipt requested, and addressed as indicated beneath each party's signature in the CAFS Agreement, or as either party may otherwise provide to the other.
- 7.05 Dispute Resolution.** Before resorting to litigation, the parties shall use reasonable efforts to resolve any dispute between them in an amicable fashion. Such efforts may include, without limitation, a meeting between party principals.
- 7.06 Execution; Venue; Limitations.** The Contract Documents shall be deemed to have been executed in Yuba and/or Sutter County, California. Enforcement of the Contract Documents shall be governed by the laws of the State of California, excluding its conflict of laws rules. Except as expressly provided in the Contract Documents, nothing in the Contract Documents shall operate to confer rights or benefits on persons or entities other than District and Contractor. As between the parties to the Contract Documents, any applicable statute of limitations for any act or failure to act arising from or in connection with any Order shall commence to run on the date of District's issuance of the final Certificate for Payment for the Order, or termination of the

Contract Documents, whichever is earlier, except for latent defects, for which the statute of limitation shall begin running upon discovery of the defect and its cause.

7.07 List all first Tier Sub-Contractors, Contractor License Numbers, and Scope of Work:

No.	Sub-Contractor Name	Contractor License Number	Scope of Work Under Contract
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Attach pages as needed to describe additional sub-contractor information.

7.08 Change Order Cost Estimating: Provide rationale for cost estimating of change orders by either getting multiple quotes for the work, using unit pricing from MS Means cost data for the region, or by other methods that allow a thoughtful determination of maximum value to the District. See Section 01 26 00, Contract Modification Procedures

7.09 Change Order Mark-Ups. Provide change order mark-up percentage on all changes to cover profit and overhead by the general/prime contractor and sub-contractors.

General/Prime contractor mark-up percentage:_____.

Sub-contractor mark-up percentage:_____.

7.10 Schedule. Provide a preliminary schedule for the work to be completed with the proposal. Note any issues or considerations that may impact the schedule. Note if overtime is included or not.

(End of Appendix A)

APPENDIX B, TO CONTRACTORS AGREEMENT FOR SERVICES**INSURANCE**

1. Commercial General Liability Insurance, written on an “occurrence” basis, which shall provide coverage for bodily injury, death and property damage resulting from operations, liability for slander, false arrest and invasion of privacy, blanket contractual liability, broad form endorsement, and completed operations, personal and advertising liability, with limits of not less than **[\$2,000,000]** general aggregate and **[\$1,000,000]** each occurrence, subject to a deductible of not more than **[\$1,000]** payable by Contractor.
2. Excess Liability Insurance, on an “Occurrence” form, coverage should apply and follow form over primary coverages shown above. Limits must apply per any one occurrence and general aggregate annually; and Annual Aggregate Products and Completed Operations. The following are required excess limits of liability: **[\$3,000,000]** Bodily Injury and Property Damage Liability, **[\$3,000,000]** General Aggregate, **[\$3,000,000]** Products and Completed Operations.
3. Business Automobile Liability Insurance with limits not less than **[\$1,000,000]** each occurrence including coverage for owned, non-owned and hired vehicles, subject to a deductible of not more than **[\$1,000]** payable by Contractor.
4. Workers’ Compensation Employers’ Liability limits not less than **[\$1,000,000]** each accident, **[\$1,000,000]** per disease and **[\$1,000,000]** aggregate. Contractor’s Workers’ Compensation Insurance policy shall contain a Waiver of Subrogation against the YUBA COMMUNITY COLLEGE DISTRICT, its officers, directors, officials, agents, employees and volunteers. In the event Contractor is self-insured, it shall furnish Certificate of Permission to Self-Insure signed by Department of Industrial Relations Administration of Self-Insurance, State of California.
5. **[If applicable]** Builder’s Risk Insurance including, without limitation, coverage against loss or damage to the Work by fire, lightening, wind, hail, aircraft, riot, vehicle damage, explosion, smoke, falling objects, vandalism, malicious mischief, collapse, and other such hazards as are normally covered by such coverage. Such insurance shall be in amount equal to the replacement cost (without deduction for depreciation and subject to stipulated value in lieu of average clause) of all construction constituting any part of the Work, excluding the cost of excavations, of grading and filling of the land. Such insurance may be subject to deductible clauses not to exceed **[\$5,000]** for any one loss. Such insurance will not cover loss or damage to Contractor’s equipment, scaffolding or other materials not to be consumed in the performance of the Work. The insurer shall waive all rights of subrogation against District.

[Alternatively, if applicable] An Installation Floater including, without limitation, coverage against loss or damage to the Work by fire, lightening, wind, hail, vandalism, malicious mischief,-and other such hazards as are normally covered by such coverage. Such insurance shall be in amount equal to the replacement cost (without deduction for depreciation and subject to stipulated value in lieu of average clause) of the Work. Such insurance may be subject to deductible clauses not to exceed **[\$5,000]** for any one loss. Such insurance will not cover loss or damage to Contractor’s equipment, scaffolding or other materials not to be consumed in the performance of the Work. The insurer shall waive all rights of subrogation against District.
6. Insurance policies in Appendix B shall contain an endorsement containing the following terms:
 - 6.01 YUBA COMMUNITY COLLEGE DISTRICT, its officers, directors, officials, agents, employees, and volunteers, shall be named as additional insureds, but only with respect to liability arising out of the activities of the named insured, and there shall be a waiver of subrogation as to each named and additional insured.
 - 6.02 The policies shall apply separately to each insured against whom claim is made or suit is brought except with respect to the limits of the company’s liability.
 - 6.03 Written notice of cancellation, non-renewal or of any material change in the policies shall be mailed to District thirty (30) days in advance of the effective date thereof.

- 6.04** Insurance shall be primary insurance and no other insurance or self-insured retention carried or held by any named or additional insureds other than Contractor shall be called upon to contribute to a loss covered by insurance for the named insured.
7. Certificates of Insurance and Endorsements shall have clearly typed thereon the CAFS Agreement Name and Date, shall clearly describe the coverage and shall contain a provision requiring the mailing of written notices of cancellation described in clause 6.03 above.
8. All policies of insurance shall be placed with insurers acceptable to District. The insurance underwriter(s) must be duly licensed to do business in the State of California and (other than for workers' compensation) must have an A. M. Best Company rating of [**A-,X**] or better. Required minimum amounts of insurance may be increased should conditions of Work, in the opinion of District, warrant such increase. Contractor shall increase required insurance amounts upon direction by District.
9. All Contractor work completed at the District requires an Insurance Certificate per the following sample with the District listed as the "Certificate Holder".

ACORD **CERTIFICATE OF LIABILITY INSURANCE** DATE: MM/DD/YYYY

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsements.

PRODUCER INSURED	COUNTRY: _____ NAME: _____ PHONE: _____ FAX: _____ (AGE OR CALL: _____) (AGE OR CALL: _____) E-MAIL: _____ ADDRESS: _____ INSURER(S): _____ CLASS # _____ INSURER A: _____ INSURER B: _____ INSURER C: _____ INSURER D: _____ INSURER E: _____ INSURER F: _____
---------------------	---

COVERAGES **CERTIFICATE NUMBER:** _____

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF A CERTIFICATE MAY BE ISSUED OR MAY PERTAIN THE INSURANCE AFFORDED EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY VARY FOR THE POLICY PERIOD RESPECT TO WHICH THIS SUBJECT TO ALL THE TERMS,

TYPE OF INSURANCE	POLICY NUMBER	LIMITS
<input type="checkbox"/> GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GENERAL AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO- <input type="checkbox"/> LOC		OCCURRENCE \$ _____ AUTO PERIOD \$ _____ AGGREGATE LIMIT \$ _____ MED EXP (Any one person) \$ _____ PERSONAL & ADV INJURY \$ _____ GENERAL AGGREGATE \$ _____ PRODUCTS - COMPARISON \$ _____
<input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		COLLISION SINGLE LIMIT \$ _____ BODILY INJURY (To others) \$ _____ BODILY INJURY (To insured) \$ _____ PROPERTY DAMAGE (To others) \$ _____ (To insured) \$ _____
<input type="checkbox"/> LEMP/LA LIAB <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> PLW		BACKGOCURRENCE \$ _____ AGGREGATE \$ _____
<input type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS LIABILITY <input type="checkbox"/> ANY PROPRIETOR/PARTNER OR MEMBER EXCL (Mandatory in HI) <input type="checkbox"/> 2 year. See below for DESCRIPTION OF		INCIDENTAL OTHER LIMITS \$ _____ EL. EACH ACCIDENT \$ _____ EL. DISEASE - PER EMPLOYEE \$ _____ EL. DISEASE - POLICY LIMIT \$ _____

DESCRIPTION OF OPERATIONS (I/O): _____
 (Add'l. Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER Yuba Community College District 425 Plumas Blvd 2nd Floor Yuba City, CA 96991	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE: _____
--	---

SAMPLE

(End of Appendix B)

APPENDIX C - SUPPLEMENT TO CONTRACTORS AGREEMENT FOR SERVICES

CONSTRUCTION LABOR AND MATERIAL PAYMENT BOND

KNOW ALL PERSONS BY THESE PRESENTS:

1. THAT WHEREAS, the **YUBA COMMUNITY COLLEGE DISTRICT**, a California community college district (**District**) has awarded to **(Name of Contractor)** _____ as Principal a Contractors Agreement For Services, dated the _____ day of _____, 20 ____, together with Work Order No. ____ (**Order**, and together with the Contractors Agreement For Services, the **CAFS Agreement**), in the amount of \$ _____ (**Contract Sum**), which Agreement is by this reference made a part hereof, for the work described as follows:

(Describe Agreement Work) _____

2. AND WHEREAS, Principal is required to furnish a bond in connection with the Agreement to secure the payment of claims of laborers, mechanics, material suppliers, and other persons as provided by law;

3. NOW, THEREFORE, we, the undersigned Principal and _____ as Surety, are held and firmly bound unto District in the sum of 100% OF THE CONTRACT SUM (\$ _____), for which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

4. THE CONDITION OF THIS OBLIGATION IS SUCH, that if Principal, or its heirs, executors, administrators, successors, or assigns approved by District, or its subcontractors shall fail to pay any of the persons named in California Civil Code Section 9100, or amounts due under the State of California Unemployment Insurance Code with respect to work or labor performed under the Agreement, or for any amounts required to be deducted, withheld, and paid over to the State of California Employment Development Department from the wages of employees of Principal and subcontractors pursuant to California Unemployment Insurance Code Section 13020 with respect to such work and labor, that Surety will pay for the same in an amount not exceeding the sum specified in this bond, plus reasonable attorneys' fees, otherwise the above obligation shall become and be null and void.

5. This bond shall inure to the benefit of any of the persons named in California Civil Code Section 9100, as to give a right of action to such persons or their assigns in any suit brought upon this bond. The intent of this bond is to comply with the California Mechanic's Lien Law.

6. Surety, for value received, hereby expressly agrees that no extension of time, change, modification, alteration, or addition to the undertakings, covenants, terms, conditions, and agreements of the Agreement, or to the work to be performed thereunder, shall in any way affect the obligation of this bond; and it does hereby waive notice of any such extension of time, change, modification, alteration, or addition to the undertakings, covenants, terms, conditions, and agreements of the Agreement, or to the work to be performed thereunder.

- 7. Surety’s obligations hereunder are independent of the obligations of any other surety for the payment of claims of laborers, mechanics, material suppliers, and other persons in connection with Agreement; and suit may be brought against Surety and such other sureties, jointly and severally, or against any one or more of them, or against less than all of them without impairing District’s rights against the other.
- 8. Correspondence or claims relating to this bond shall be sent to Surety at the address set forth below.

IN WITNESS WHEREOF, we have hereunto set our hands this _____ day of _____, 20____.

CONTRACTOR AS PRINCIPAL

SURETY

Company: _____ (Corp. Seal)

Company: _____ (Corp. Seal)

Signature

Signature

Name

Name

Title

Title

Street Address

Street Address

City, State, Zip Code

City, State, Zip Code

(End of Appendix C)

Requisition# _____ G/L# _____

APPENDIX D – SUPPLEMENT TO CONTRACTORS AGREEMENT FOR SERVICES

CONSTRUCTION PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS:

1. THAT WHEREAS, **YUBA COMMUNITY COLLEGE DISTRICT**, a California community college district (**District**) has awarded to (**Name of Contractor**) _____ as Principal a Contractors Agreement For Services, dated the _____ day of _____, 20____, together with Work Order No. _____ (**Order**, and together with the Contractors Agreement For Services, the **CAFS Agreement**), in the amount of \$_____ (**Contract Sum**), which Agreement is by this reference made a part hereof, for the work described as follows:

(Describe Agreement Work) _____

AND WHEREAS, Principal is required to furnish a bond in connection with the Agreement, guaranteeing the faithful performance thereof;

- 2. NOW, THEREFORE, we, the undersigned Principal and _____ as Surety are held and firmly bound unto District in the sum of 100% OF THE CONTRACT SUM to be paid to District or its successors and assigns; for which payment, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.
- 3. THE CONDITION OF THIS OBLIGATION IS SUCH, that if Principal, or its heirs, executors, administrators, successors, or assigns approved by District, shall promptly and faithfully perform the covenants, conditions, and agreements of the Agreement during the original term and any extensions thereof as may be granted by District, with or without notice to Surety, and during the period of any guarantees or warranties required under the Agreement, and shall also promptly and faithfully perform all the covenants, conditions, and agreements of any alteration of the Agreement made as therein provided, notice of which alterations to Surety being hereby waived, on Principal’s part to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify, defend, protect, and hold harmless District as stipulated in the Agreement, then this obligation shall become and be null and void; otherwise it shall be and remain in full force and effect.
- 4. No extension of time, change, alteration, modification, or addition to the Agreement, or of the work required thereunder, shall release or exonerate Surety on this bond or in any way affect the obligation of this bond; and Surety does hereby waive notice of any such extension of time, change, alteration, modification, or addition.
- 5. Whenever Principal shall be and declared by District in default under the Agreement, Surety shall promptly remedy the default, or shall promptly:

5.01 Undertake through its agents or independent contractors, reasonably acceptable to District, to complete the Agreement in accordance with its terms and conditions and to pay and perform all obligations of Principal

Requisition# _____ **G/L#** _____

under the Agreement including, without limitation, all obligations with respect to warranties, guarantees, indemnities, and the payment of liquidated damages; or

5.02 Obtain a bid or bids for completing the Agreement in accordance with its terms and conditions, and, upon determination by District of the lowest responsible bidder, reasonably acceptable to District, arrange for a contract between such bidder and District and make available as work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract Sum, and to pay and perform all obligations of Principal under the Agreement including, without limitation, all obligations with respect to warranties, guarantees, and the payment of liquidated damages; but, in any event, Surety’s total obligations hereunder shall not exceed the amount set forth in the third paragraph hereof. The term “balance of the Contract Sum,” as used in this paragraph, shall mean the total amount payable by District to the Principal under the Agreement and any amendments thereto, less the amount District paid to Principal.

- 6. Surety’s obligations hereunder are independent of the obligations of any other surety for the performance of the Agreement, and suit may be brought against Surety and such other sureties, jointly and severally, or against any one or more of them, or against less than all of them without impairing District’s rights against the others. Surety may not use Contractor to complete the Agreement absent District’s written consent.
- 7. No right of action shall accrue on this bond to or for the use of any person or corporation other than District or its successors or assigns.
- 8. Surety may join in any proceedings brought under the Agreement and shall be bound by any judgment.
- 9. Correspondence or claims relating to this bond shall be sent to Surety at the address set forth below.

IN WITNESS WHEREOF, we have hereunto set our hands this _____ day of _____, 20__.

CONTRACTOR AS PRINCIPAL

SURETY

Company: _____ (Corp. Seal)

Company: _____ (Corp. Seal)

Signature

Signature

Name

Name

Title

Title

Street Address

Street Address

City, State, Zip Code

City, State, Zip Code

Requisition# _____ G/L# _____

APPENDIX E, TO CONTRACTORS AGREEMENT FOR SERVICES

SUPPLEMENTAL CONDITIONS

Not Applicable on this Project

Requisition# _____

G/L# _____

APPENDIX F, Firm/Contractor Checklist



YUBA COMMUNITY COLLEGE DISTRICT

Maintenance & Operations

425 Plumas Blvd., Suite 200

Yuba City, CA 95991

Phone: (530) 740-1715

District Director: Dave Willis (916) 747-4262

Email: dwillis@yccd.edu

Bryan Epp, Asst. Dir(Yuba College): (530) 740-1722

Email: bepp@yccd.edu

Michael Sinn, Asst. Dir(Woodland C. College): (530) 575-0206

Email: msinn@yccd.edu;

Rita Ordiway, Secretary (530) 740-1715

Email: rordiway@yccd.edu

Vendor Checklist

FIRM/VENDOR INFORMATION	
Contact Name:	
Company Name	
Address:	
Telephone number:	
Cell Phone Number:	
Email:	
Fax Number:	

CHECKLIST: Please put a check mark in the box next to each item listed	
<input type="checkbox"/> Agreement for Services Contract Completed & Signed	<input type="checkbox"/> CUPCCA List Form Completed - emailed or Included
<input type="checkbox"/> W-9 Form Completed and - emailed or included	<input type="checkbox"/> List Registration Number with Dept. of Industrial Relations
<input type="checkbox"/> Certificate of Liability Insurance - emailed (Certificate Holder Section Lists our name and address)	<input type="checkbox"/> DIR Project Number will be emailed if applicable
<input type="checkbox"/> Copy of California Contractor’s License	<input type="checkbox"/> Subcontractor List with License Numbers and DIR Numbers including Contact Information – emailed or included
When all items on checklist have been completed, a PO will be issued and emailed and the project can then begin.	
Comments:	
Note: Contact Rita Ordiway at rordiway@yccd.edu or call (530) 740-1715 to get parking permit information.	

Revised 02/01/2018

Requisition# _____

G/L# _____

APPENDIX “G: Addendum No. _____ [OPTIONAL]

AFS # _____ Funding Source/GL code: _____ Req # _____

EXHIBIT “A”

Original _____
Addendum _____

Contract between Yuba Community College District and _____
_____, hereinafter called “Contractor”.

I. Detailed description of services to be performed and work product to be delivered to District by Contractor: (reference and attach additional pages, if necessary)

II. Amount and Method of Payment: (indicate lump sum payment or rate of pay; also include a list of tasks which must be completed prior to each progress payment and show the timeline for progress payments, if applicable)

In any event, the total payment for services of contractor shall not exceed \$_____ and District shall have the right to withhold payment if District determines that the quantity or quality of the work performed is unacceptable.

End of CAFS Agreement

SECTION 00 60 00
PROJECT FORMS

PART 1 - GENERAL

1.1 FORM OF AGREEMENT AND GENERAL CONDITIONS

A. The following form of Owner/Contractor Agreement and form of the General Conditions and Special Condition shall be used for Project:

1. See Section 00 52 00, "Agreement For Services", Including all appendices in that section

1.2 ADMINISTRATIVE FORMS

A. Administrative Forms: Administrative forms are specified in Divisions 00 and 01, General Requirements.

B. Information and Modification Forms:

1. Form for Requests for Information (RFIs): See Section 01 26 13, "Requests For Interpretation".

Form of Request for Proposal: AIA Document G709-2018 "Proposal Request", or approved equivalent.

Form website link:

<https://www.aiacontracts.org/contract-documents/6128712-proposal-request>

Alternative: RFI items can also be submitted in MS Word format.

2. Change Order Form: See Section 01 26 00, "Contract Modification Procedures".
3. Changes in the Approved Work shall be documented and approved by DSA as a DSA Form 140, "Application of Submittal of Post-Approval Document", CCD-A or CCD-B as required.
4. Substitution Request Form: See Section 01 25 00, "Substitution Procedures" and Section 01 25 00.10, "Substitution Request Form"

C. Payment Forms:

1. Schedule of Values Form: See Section 00 43 73, "Proposed Schedule of Values Form".
2. Payment Application: See Section 01 20 00, "Price and Payment Procedures".
3. Form of Contractor's Affidavit: AIA Document G706-1994 "Contractor's Affidavit of Payment of Debts and Claim", or approved equivalent.

Form website link:

<https://www.aiacontracts.org/contract-documents/18931-contractors-affidavit-of-payment>

4. Form of Affidavit of Release of Liens: AIA Document G706A-1994 "Contractor's Affidavit of Payment of Release of Liens", or approved equivalent.

Form website link:

<https://www.aiacontracts.org/contract-documents/18936-contractors-affidavit-of-release-of-liens>

5. Form of Consent of Surety: AIA Document G707-1994 "Consent of Surety to Final Payment", or approved equivalent.

Form website link:

<https://www.aiacontracts.org/contract-documents/18941-consent-of-surety-to-final-payment>

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

SECTION 00 61 00

BID BOND

KNOW ALL MEN BY THESE PRESENTS that we, _____, as Surety and _____, as Principal, are jointly and severally, along with their respective heirs, executors, administrators, successors and assigns, held and firmly bound unto Yuba Community College District (“the Obligee”) for payment of the penal sum hereof in lawful money of the United States, as more particularly set forth herein.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT:

WHEREAS, the Principal has submitted the accompanying Bid Proposal to the Obligee for the Work commonly described as the Yuba College New Softball Field Project.

WHEREAS, subject to the terms of this Bond, the Surety and the Principal are jointly and severally firmly bound unto the Obligee in the penal sum equal to Ten Percent (10%) of the maximum amount of the Bid Proposal submitted by the Principal to the Obligee, inclusive of amounts proposed for Alternate Bid Items, if any.

NOW THEREFORE, if the Principal shall not withdraw said Bid Proposal within the period specified therein after the opening of the same, or, if no period be specified, for **sixty (60) days** after opening of said Bid Proposal; and if the Principal is awarded the Contract, and shall within the period specified therefor, or if no period be specified, within **five (5) calendar days** after the prescribed forms are presented to him for signature, enter into a written contract with the Obligee, in accordance with the Bid Proposal as accepted and give such bond(s) with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such Contract and for the payment for labor and materials used for the performance of the Contract, or in the event of the withdrawal of said Bid Proposal within the period specified for the holding open of the Bid Proposal or the failure of the Principal to enter into such Contract and give such bonds within the time specified, if the Principal shall pay the Obligee the difference between the amount specified in said Bid Proposal and the amount for which the Obligee may procure the required Work and/or supplies, if the latter amount be in excess of the former, together with all costs incurred by the Obligee in again calling for Bids, then the above obligation shall be void and of no effect, otherwise to remain in full force and effect.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or the Call for Bids, the Work to be performed there under, the Drawings or the Specifications accompanying the same, or any other portion of the Contract Documents shall in no way affect its obligations under this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said Contract, the Call for Bids, the Work, the Drawings or the Specifications, or any other portion of the Contract Documents.

In the event suit or other proceeding is brought upon this Bond by the Obligee, the Surety and Principal shall be jointly and severally liable for payment to the Obligee all costs, expenses and fees incurred

[CONTINUED NEXT PAGE]

by the Obligee in connection therewith, including without limitation, attorneys' fees.

IN WITNESS WHEREOF, the Principal and Surety have executed this instrument this _____ day of _____, 20__ by their duly authorized agents or representatives.

(Bidder-Principal Name)

By: _____
(Signature)

(Typed or Printed Name)

Title: _____

(Attach Notary Public Acknowledgement of Principal's Signature)

(Surety Name)

By: _____
(Signature of Attorney-In-Fact for Surety)

(Typed or Printed Name of Attorney-In-Fact)

(Attach: (i) Attorney-In-Fact Certification; (ii) Notary Public Acknowledgment of Authorizing Signature on Attorney-Fact Certification; and (iii) Notary Public Acknowledgement of Attorney-In-Fact's Signature)

Contact name, address, telephone number and email address for notices to the Surety

(Contact Name)

(Street Address)

(City, State & Zip Code)

(_____) _____ (_____) _____
Telephone Fax

(Email address)

END OF SECTION

**CERTIFICATION OF CERTIFIED PAYROLL RECORDS SUBMITTAL
TO LABOR COMMISSION**

I am the _____ for _____ in connection with
(Superintendent/Project Manager) (Contractor)

_____. This Certification is submitted to Yuba Community College District concurrently with the Contractor’s submittal of an Application for Progress Payment to the District, identified as Application For Progress Payment No. _____ (“the Pay Application”).

1. The Pay Application requests the District’s disbursement of a Progress Payment covering Work performed for the period between _____, 20__ and _____, 20__.
2. The Contractor has submitted Certified Payroll Records (“CPR”) to the (Department of Industrial Relations – DIR) Labor Commissioner for all employees of the Contractor engaged in performance of Work subject to prevailing wage rate requirements for the period of time covered by the Pay Application.
3. All Subcontractors who are entitled to any portion of payment to be disbursed pursuant to the Pay Application have submitted their CPRs to the Labor Commissioner for all of their employees performing Work subject to prevailing wage rate requirements for the period of time covered by the Pay Application.
4. I have reviewed the Contractor’s CPRs submitted to the Labor Commissioner; the CPRs submitted to the Labor Commissioner by the Contractor are complete and accurate for the period of time covered by the Pay Application.
5. I have reviewed the Subcontractors’ CPRs submitted to the Labor Commissioner; the CPRs submitted to the Labor Commissioner by the Subcontractors are complete and accurate for the period of time covered by the Pay Application.

I declare under penalty of perjury under California law that the foregoing is true and correct. I executed this Certification on the ____ day of _____, 20__ at

(City and State)

By: _____

(Typed or Printed Name)

END OF SECTION

SECTION 00 65 36

GUARANTEE

**Project: Woodland Community College, Performing Arts and Culinary Services New Building:
Culinary Type II Equipment and Furnishings**

The Contractor hereby warrants and guarantees to the District that all work, materials, equipment and workmanship provided, furnished or installed by or on behalf of Contractor in connection with the above referenced Project (the "Work") have been provided, furnished and installed in strict conformity with the Contract Documents for the Work, including without limitation, the Drawings and the Specifications. Contractor further warrants and guarantees that all work, materials, equipment and workmanship as provided, furnished and/or installed are fit for use as specified and fulfill all applicable requirements of the Contract Documents including without limitation, the Drawings and the Specifications. Contractor shall, at its sole cost and expense, repair, correct and/or replace any or all of the work, materials, equipment and/or workmanship of the Work, together with any other items which may be affected by any such repairs, corrections or replacement, that may be unfit for use as specified or defective within a period of two (2) years from the date of the District's Final Acceptance of the Work, ordinary wear and tear and unusual abuse or neglect excepted.

In the event of the Contractor's failure and/or refusal to comply with the provisions of this Guarantee, within thirty (30) days after being notified in writing by the District of any defect(s) in the Work, materials, equipment or workmanship, Contractor authorizes the District, without further notice to Contractor, to repair, correct and/or replace any such defective item at the expense of the Contractor. The Contractor shall reimburse the District for all costs, expenses or fees incurred by the District in providing or performing such repairs, corrections or replacements within fifteen (15) days of the District's presentation of a demand to the Contractor for the same.

The provisions of this Guarantee and the provisions of the Contract Documents for the Work relating to the Contractor's Guarantee(s) and warranty(ies) relating to the Work shall be binding upon the Contractor's Performance Bond Surety and all successors or assigns of Contractor and/or Contractor's Performance Bond Surety.

The provisions of this Guarantee are in addition to, and not in lieu of, any provisions of the Contract Documents for the Work relating to the Contractor's guarantee(s) and warranty(ies) or any guarantee(s) or warranty(ies) provided by any material supplier or manufacturer of any equipment, materials or other items forming a part of, or incorporated into the Work, or any other guarantee or warranty obligation of the Contractor, prescribed, implied or imposed by law.

The undersigned individual executing this Guarantee on behalf of Contractor warrants and represents that he/she is duly authorized to execute this Guarantee on behalf of Contractor and to bind Contractor to each and every provision hereof.

Contractor

(Contractor Name)

(Signature of Contractor's Authorized Employee, Officer
Or Representative)

(Printed Name and Title)

(Date)

Date: _____ Signed _____
Subcontractor/Supplier

Local Representative to be contacted for services:

Name: _____ Phone No. _____

Address: _____

END OF SECTION

SECTION 00 65 37
CONTRACTOR CERTIFICATION OF SUBCONTRACTOR CLAIM

TO: Yuba Community College District (“DISTRICT”)

**RE: Woodland Community College, Culinary Type II Equipment and Furnishings
Subcontractor Claim**

This Contractor Certification of Subcontractor Claim is submitted to the District by the contractor (“Contractor”) relating to the **Yuba College, New Softball Field** on behalf of the Subcontractor identified below.

1. I am the _____ of the Contractor in connection with the above-described Project.
2. _____ is a Subcontractor to the Contractor for the above-identified Project. The Subcontractor has submitted the accompanying Subcontractor Claim to the Contractor for presentation to the District pursuant to Public Contract Code §9204.
3. I have personally reviewed the entirety of the Subcontractor Claim and all substantiating documentation in support of the Subcontractor Claim.
4. The Subcontractor Claim is made by the Subcontractor in good faith.
5. The Subcontractor Claim is supported by reasonable documentation establishing entitlement to the relief requested and District liability therefor.
6. The Subcontractor Claim does not incorporate any request constituting a False Claim under applicable law, including the California False Claim Act (Government Code §§12650 et. seq.).
7. I am authorized: (i) to execute this Certification on behalf of the Contractor; and (ii) to submit this Certification and the accompanying Subcontractor Claim to the District.
8. I have personal first-hand knowledge of all of the foregoing.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed at _____, California, on _____, 20__.

(Signature)

(Print Name)

(Title)

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END OF SECTION 00 65 37

SECTION 01 11 00
SUMMARY OF WORK

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Summary of Work Under This Contract
- B. Regulatory Requirements
- C. Contractor Use of Site and Premises.
- D. Owner Occupancy.

1.2 SUMMARY OF WORK

- A. Work under this contract includes the following task areas, as shown on the drawings, specified in the Project Manual, and defined in the project contract documents, including but not necessarily limited to:

The procurement and installation of all Culinary Services Type II Equipment and Furnishings described in specification 11 40 00.

- A. Perform all work in accordance with the requirements of the General Conditions and related Contract Documents.

1.3 REGULATORY REQUIREMENTS AND REFERENCE STANDARDS

A. Regulatory Requirements:

- 1. Architect has contacted governing authorities and reviewed design requirements of local, state and federal agencies for applicability to Project.
- 2. Contractor shall be responsible for contacting governing authorities directly for necessary information and decisions bearing upon performance of Work.

B. Reference Standards:

- 1. For Products specified by association or trade standards, comply with requirements of referenced standards, except when more rigid requirements are specified or are required by applicable codes.
- 2. Applicable date of each standard is that in effect as of date on proposal or date on Contract where no proposal is available, except when a specific date is specified.

C. California Code of Regulations:

1. Perform Work in accordance with the applicable provisions of California Code of Regulations, Title 24, Parts 1-6, and 10 - 12, 2019 editions, as applies.

Particular attention is directed to the following Sections of CCR, Title 24, Part 1, 2019 California Administrative Code, Chapter 4, "Safety of Construction of Public Schools".

- a. Section 4-335 – Structural Tests and Inspections.
- b. Section 4-336 - Verified Reports.
- c. Section 4-338 – Addenda and Construction Changes.
- d. Section 4-339 – Final Certification of Construction.
- e. Section 4-342 - Duties of the Project Inspector.
- f. Section 4-343 - Duties of the Contractor.

1.4 WORK SEQUENCE

- A. Coordinate construction schedule and operations with Owner.
- B. Construct the Work in a manner to provide for public convenience. Do not close off public use of facilities.

1.5 CONTRACTOR USE OF SITE AND PREMISES

- A. Coordinate use of premises and access to site under direction of Owner.
- B. Limit use of premises for Work and construction operations and to allow for work by other contractors.
- C. Contractors use of site and premises shall allow:
 1. Work by Others and Work by Owner.
 2. Use of site and premises by public.
- D. Access to Site: Coordinate with Owner.
- E. Building Exits During Construction: Maintain all exits. Do not obstruct at any time.
- F. Time and Construction Schedule Considerations:
 1. Schedule all construction operations with Owner.
 2. **(Not Applicable unless there is an event scheduled at the College in the Sports Complex Area)** Construction operations generating excessive noise, such as use of pneumatic tools and powder actuated fastener equipment, shall be scheduled with the Owner. Permitted hours of operation for demolition and excessive noise operations are limited to period from 7:00 AM to 9:00 AM or on Weekends.

3. Locate all noise generating equipment, such as cut-off saws, in a remote location away from administrative or classroom areas.
 4. **(Not Applicable unless there is an event scheduled at the College in the Sports Complex Area)** Schedule replenishing construction materials only during period of 7:00 AM to 9:00 AM.
 5. Owner reserves the right to modify such scheduled operations to accommodate school operations or classroom programs. Contractor shall be entitled to contract time extension per contract modification procedures.
 6. Provide Owner with **7 working days notice** prior to commencing such operations.
 7. Construction operations, such as material deliveries, debris removal, and crane operations, shall not occur when students, staff or visitors are present at construction site. Schedule such operations around school schedule, including recess and lunch periods. Where, in the sole opinion of the Architect, the construction site is sufficiently remote or isolated that students, staff or visitors are not exposed to such operations, construction operations may proceed as scheduled by Contractor in conformance with the Project Manual.
 8. After Owner takes beneficial occupancy of portions of project the Contractor, subcontractors and all support staff will not be allowed to enter such school facilities during hours school is in session. Where access is required to complete the work, coordinate access and scheduling with Owner's representative for non-school time.
 9. No interference with classroom or administrative activities will be permitted without approval of Owner, Inspector and School Administrator.
- G. Utility Outages and Shutdown: Utility Outages and Shutdown: All Contractor requests for a power, water, or utilities shut-down must be received in writing at least 10 days in advance prior to the shutdown date. No deviation to the commencement nor duration of the outage or shutdown from the schedule agreed upon is allowed.
- H. Corporation Yard and Storage Areas: Coordinate with Owner. Coordinate location with areas required by work performed under separate contract by others. Owner will establish acceptable path for products, staging areas, and trash disposal.
1. Coordinate location of all equipment parking, material and stockpile storage and construction parking with Owner.
- I. Furniture and Equipment Relocation:
1. Prior to beginning work in any one area, District will relocate all books, supplies, equipment and furniture in all areas of work.
 2. District will return books, supplies, and furniture to the classrooms after completion of work.

1.6 OWNER OCCUPANCY

- A. The Owner will occupy the site and existing facilities during entire period of construction for the conduct of normal school and business operations.

- B. Cooperate with Owner to minimize conflict, and to facilitate Owner's operations.
- C. The Owner will occupy portions of the project as individual rooms become available for outfitting, furniture and fittings installation, and related start-up tasks.
- D. **(Not Applicable on this Project)** Adjacent Floor/Area access: Coordinate scheduling of required access to adjacent rooms and floors incidental to not included in the work of this contract. Provide minimum **15 working days notice** to Owner for required access to such areas.
 - 1. Do not core or drill through walls or floors into adjacent occupied areas.

1.7 FEES, BONDS, AND PERMITS

- A. Contactor shall obtain all required permits required for work under this contract, if applies, including but not necessarily limited to the following:
 - 1. Encroachment permits.
 - 2. Shoring, trenching and grading permits.
- B. Contractor shall contact County and local agencies and arrange for all required improvement bonds, entitlement fees and County/local agency engineering fees, if offsite improvements are required. After submission of documentation to Owner, Owner will pay such costs. Provide Owner with notice of cost obligation as required to avoid delay in project completion.
- C. All costs associated with permits defined in General Conditions, Paragraph 1.7.2 shall be included in Contract amount. Costs associated with bonds, entitlement and inspection fees defined above shall be paid directly to County/Local jurisdictional authority.
- D. For the Owner's records, submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, and similar documents, correspondence and records established in conjunction with compliance with standards and regulations bearing upon performance of the Work.

1.8 FIELD ENGINEERING

- A. Provide field engineering services; if required by scope of work. Establish lines and levels by use of recognized engineering survey practices.
- B. Locate and protect control and reference points.
- C. See Section 01 71 23, "Field Engineering".

PART 2 - PRODUCTS

- A. Not Used

PART 3 - EXECUTION

A. Not Used

END OF SECTION

SECTION 01 20 00
PRICE AND PAYMENT PROCEDURES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Schedule of Values
- B. Applications for Payment
- C. Progress Payment Coordination
- D. Inspector of Record Payment Provisions
- E. Payment for Contract Modifications
- F. Retention
- G. Progress Payments – Owner Requirements
- H. Payments Withheld
- I. Final Completion and Final Payment Requirements

1.2 SCHEDULE OF VALUES

- A. Submit typed schedule on AIA Forms G702 and G703-Application and Certificate for Payment and Continuation Sheet, or approved equivalent.

Form Website Link – Form G702:

<https://www.aiacontracts.org/contract-documents/19661-application-and-certificate-for-payment>

Form website link – Form G703:

<https://www.aiacontracts.org/contract-documents/20631-continuation-sheet>

- B. Contractor's standard form or electronic print-out format may be considered, at Owners Representative's discretion. Submit within 15 days after award of Contract.
- C. Submit Schedule of Values per time periods defined in General Conditions.
- D. Include in each line item a directly proportional amount of Contractor overhead and profit.
- E. Revise schedule to list change orders for each Application for Payment.
- F. Identification: Include on schedule of values the following:
 - 1. Project name and Location.
 - 2. Name of Architect.
 - 3. Architect's Project Number.
 - 4. Contractor's Name and Address.
 - 5. Date of Submittal.
- G. Format: Type in tabular form with separate columns to indicate the following for each item listed.
 - 1. Table of Contents of this Project Manual, with modifications as pre-approved by Owner and Architect.

- a. Identify each line item with number and title of major Specification sections.
 - b. Name of Subcontractor.
 - c. Name of manufacturer or fabricator where applicable.
 - d. Name of supplier where applicable.
 - e. Change Order amounts allocated to the line item.
 - f. Total Dollar value of item.
 - g. Percentage of Contract sum represented by item, rounded to nearest one hundredth percent, adjusted to total 100 percent.
- H. Correlate line items with terms and identification used in other administrative work items, including schedules, list of subcontractors, list of products and suppliers, and submittal schedule.
- I. Provide schedules as follows.
1. Provide separate schedule of values for each building, and a single schedule for site work.
 2. Where an Application for Payment may include requests for equipment, components or materials purchased, stored or fabricated, but not yet installed, provide separate line item on the Schedule of Values for such items. Breakdown such line items to include component, equipment or material cost for each phase or sequence of construction, with associated staging, transport and installation cost.
- J. The total of the amounts of all scheduled line items shall equal the Contract Sum. Round amounts to nearest dollar.
- K. Provide separate line item for Contractor's overhead and profit.
- L. Revise schedule to list approved Change Orders and Construction Change Directives, and submit with each Application For Payment.
- M. The amounts shown on Schedule of Values may be used by Owner to determine the true value for additive or deductive change orders.

1.3 APPLICATIONS FOR PAYMENT

- A. Content and Format: Utilize Schedule of Values for listing items in Application for Payment.
- B. Payment Period: Monthly, scheduled as defined in General Conditions.
- C. Submit application on AIA Form G702, "Application and Certificate for Payment", or approved equivalent, as follows:
1. Submit initial rough draft of pay application to Architect, Inspector of Record and Owner for review.
 2. Architect will return initial rough draft of pay application to Contractor, including continuation sheets when required, following review.
 3. Submit PDF of pay application to Architect.
 - a. Submit to Inspector of Record for signature prior to submittal to Architect.
 - b. Submit conditional lien releases for work covered by current application warranting that title to all work, labor, materials and equipment covered by the application is free and clear of all liens, claims, security interests or encumbrances, and notarized unconditional releases for work covered by previous months billings.

- c. Complete every entry on the form, including notarization and execution by person authorized to sign legal documents on behalf of the Contractor. Incomplete applications will be returned without action. Present required information in typewritten form.
 - d. Execute certification by signature of authorized officer.
 - e. Use data from approved Schedule of Values. Provide dollar value in each column for each line item for portion of work performed and for stored products.
 - f. List each authorized Change Order as an extension on continuation sheet, listing Change Order number and dollar amount as for an original item of Work.
 - g. Certificates for payment as recommended by the Architect or the Owner shall include a 5% retention that will be held by the Owner until such a time as outlined in Section 01 77 19, "Closeout Requirements".
4. Submit an updated construction schedule with each Application for Payment.
 5. Payment Period: Monthly.

1.4 SUBSTANTIATING DATA

- A. When Architect/Engineer requires substantiating information, submit data justifying dollar amounts in question.
- B. Provide one copy of data with cover letter for each copy of submittal. Show Application number and date, and line item by number and description.

1.5 PROGRESS PAYMENT COORDINATION

- A. See Section 01 77 19, "Closeout Requirements" for requirements and relationship between progress payment and maintenance of record drawings.
- B. See Section 01 33 00, "Submittal Procedures" for requirements and relationship between progress payment and construction schedule updates.

1.6 INSPECTOR OF RECORD PAYMENT PROVISIONS

- A. In the event Contractor's performance of the work activities requires the Owner's Inspector of Record to work overtime, holidays or weekends, Inspectors cost shall be reimbursed by Contractor to Owner by deductive contract adjustment.

1.7 PAYMENT FOR CONTRACT MODIFICATIONS

- A. The Contractor shall compensate the Owner, by Owner-Contractor Contract adjustment, for the Architect reasonable costs to modify Contract Documents required by work not performed in accordance with approved Contract Documents.

1.8 RETAINAGE

- A. Subject to the requirements of state law, each Application for Payment shall be subject to retainage in the amount of ten percent. The amounts so reserved will be subject to claims of liens provided by applicable state law.
- B. Pursuant to Section 22300 of the Public Contract Code of the State of California, the contract will contain provisions permitting the Contractor to substitute securities for any moneys withheld by the Owner to ensure performance under the contract.

- C. The Contractor warrants and guarantees herewith that title to all work, Materials and equipment covered by an application for payment will pass to the Owner either by incorporation in the construction or upon the receipt of payment by the Contractor, whichever occurs first, free and clear of all liens, claims, security interest or encumbrances, referred to in this article as “liens”; and that no work, materials or equipment covered by an application for payment will have been acquired by the Contractor, or by any other person performing work at the site or furnishing materials and equipment for the project, subject to an agreement under which an interest of an encumbrance is retained by the seller or otherwise imposed by the Contractor or such other person.

1.9 PROGRESS PAYMENTS – OWNER REQUIREMENTS

- A. After a certificate of payment has been issued, the Owner shall make payment in the manner and within the time provided in the Contract Documents.
- B. The contractor shall promptly pay each subcontractor (including suppliers, laborers and material men) performing labor or furnishing material for the work upon receipt of payment from the Owner out of the amount paid to the Contractor on account of the work of such subcontractor, supplier, laborer or material man, the amount to which said subcontractor is entitled, reflecting the percentage actually retained, if any, from payments to the Contractor on account of such work. The Contractor shall, by an appropriate agreement with each subcontractor, also require each subcontractor to make payments to his sub subcontractors in a similar manner.
- C. The Owner may, on request, furnish to any subcontractor, if practicable, information regarding the percentages of completion or the amounts applied for the Contractor and the action taken by the Architect on account of the work done by such subcontractor.
- D. Neither the Owner nor the Architect shall have any obligation to pay nor to see to the payment of any monies to a subcontractor except as may otherwise be required by law.
- E. No certificate for a progress payment nor any progress payment nor any partial or entire use or occupancy of the project by the Owner shall constitute an acceptance of any work which is not in accordance with the Contract Documents.
- F. The Contractor agrees to keep the work and the site on which work is to be performed free and clear of all liens and claims of liens on materials furnished pursuant to the Contract Documents.

1.10 PAYMENTS WITHHELD

- A. The Architect may decline to certify payment and may withhold their certificate in whole or in part, to the extent necessary to protect the Owner, if in their opinion they are unable to make representations to the Owner as provided in this Section.
- B. If the Architect is unable to make representations to the Owner and to certify payment in the amount of the application, the Architect will notify the Contractor as soon as possible. If the Contractor and the Architect cannot agree on a revised amount, the Architect will promptly issue a certificate for payment in the amount for which the Architect is able to make such representations to the Owner.
- C. The Architect may also decline to certify payment or any part thereof or, because of subsequent observations, Architect may nullify the whole or any part of any certificate for payment previously issued, to such extent as may be necessary in their opinion to protect the Owner from loss because of the following conditions.
 - 1. Defective work not remedied;
 - 2. Third party claims filed or reasonable evidence indicating probable filing of such claims;
 - 3. Failure of the Contractor to make payments property to subcontractors or for labor, materials or equipment;

4. Reasonable evidence that the work cannot be completed for the unpaid balance of the contract sum;
5. Damage to the Owner or another contractor;
6. Failure to execute the work in accordance with the Construction schedule;
7. Failure to provide, maintain, and update record drawings;
8. Reasonable evidence that the work will not be or had not been completed within the contract time;
9. Failure to carry out the work in accordance with the Contract Documents;
10. Liens filed, or reason to believe it is probable a lien will be filed for any portion of the work;
11. Failure or refusal of the Contractor to fully comply with Division 1.

1.11 FINAL COMPLETION AND FINAL PAYMENT

- A. Upon receipt of written notice from the Contractor as required in Section 01 77 19, "Closeout Requirements" that the work is ready for final inspection and acceptance and upon receipt of final application for payment, the Architect will promptly make such inspection, and when they find the work acceptable under the Contract Documents and the Contract fully performed, the Architect will issue a Final Certificate for Payment stating that to the best of their knowledge, information and belief, and on the basis of their observations and inspections, the work has been completed in accordance with the terms and conditions of the Contract Documents and that the entire balance found to be due the Contractor, and noted in said final certificate, is due and payable.
- B. Retention of funds withheld will be released to the Contractor within 60 days of the date of completion of a work of improvement. Completion is defined as occurring when a Owner begins occupancy, beneficial use, and enjoyment of work of improvement (excluding an operation for testing, startup, or commissioning) accompanied by a cessation of labor on the work of improvement.
- C. Neither final payment nor the remaining retainage percentage shall become due until the work is free and clear of any and all liens and the Contractor submits to the Owner:
 1. An affidavit that all payrolls, bills for materials and equipment and other indebtedness connected with the work for which the Owner or his property might in any way be responsible, have been paid or otherwise satisfied.
 2. Consent of surety, if any, to final payment.
 3. If required by the Architect, other data establishing payment or satisfaction of all such obligations, such as receipts, releases and waivers of liens arising out of the Contractor, to the extent and in such form as may be designated by the Architect.
- D. If, after substantial completion of the work, final completion thereof is materially delayed through no fault of the Contractor or by the issuance of change orders affecting final completion, and the Owner so confirms, the Owner shall, upon application by the Contractor and certification by the Architect, and without terminating the contract, make payment of the balance due for that portion of the work fully completed and accepted.
- E. The making of final payment shall constitute a waiver of all claims by the Owner against the Contractor except those arising from:
 1. Unsettled liens and claims against the Owner, the Architect, or their employees, agents or representatives;
 2. Faulty or defective work appearing after substantial completion;

3. Failure of the work to comply with the requirements of the Contract Documents;
4. Failure to provide fully updated and completes record drawings;
5. Any warranties contained in or required by the Contract Documents; or
6. Damages incurred by the Owner resulting from lawsuits brought against the Owner, the Architect, or their agents, employees or representatives because of failures or actions on the part of the Contractor, his subcontractors or sub subcontractors, or any of their employees, agents or representatives.
7. The acceptance of final payment shall constitute a waiver of all claims by the Contractor except those previously made in writing and identified by the Contractor as unsettled at the time of the final application for payment
8. All provisions of this Agreement, including, without limitation, those establishing obligations and procedures, shall remain in full force and effect notwithstanding the making or acceptance of final payment prior to the Date of Substantial Completion of the Project.

F. PREPARATION OF APPLICATION FOR FINAL PAYMENT

1. Administrative actions and submittals, which must precede or coincide with submittal of the final payment Application for Payment include the following:
 - a. Occupancy permits and similar:
 - b. Warranties (guarantees) and maintenance agreements.
 - c. Test/adjust/balance records.
 - d. Maintenance instructions.
 - e. Meter readings.
 - f. Start-up performance reports.
 - g. Change-over information related to
 - h. Owner's occupancy, use, operation and maintenance.
 - i. Final cleaning.
 - j. Completion of Project closeout requirements, including all reports and certifications required by Authorities Having Jurisdiction.
 - k. Completion of items specified for completion after Substantial Completion.
 - l. Assurance that unsettled claims will be settled.
 - m. Assurance that Work not complete and accepted will be completed without undue delay.
 - n. Transmittal of required Project construction records to Owner.
 - o. Proof that taxes, fees and similar obligations have been paid.
 - p. Removal of temporary facilities and services.
 - q. Removal of surplus materials, rubbish and similar elements.
 - r. Change of door locks to Owner's access.

1.12 APPLICATION FOR FINAL PAYMENT

- A. Prepare Application for Final Payment as specified in Section 01 77 19, "Closeout Requirements".

- a. Use continuation sheet for presenting the final statement of accounting.
 - b. Transmit a PDF copy with a transmittal form listing attachments, and recording appropriate information related to the application in a manner acceptable to the Architect.
 - c. Entries shall match data on the Schedule of Values and Contractor's Construction Schedule. Use updated schedules if revisions have been made. Include amounts of Change Orders and Construction Change Directives issued prior to the last day of the construction period covered by the application.
2. By signing a certificate for payment, the Architect shall not be deemed to represent that the Architect has made exhaustive or continuous on-site inspections to check the quality or quantity of the work, has reviewed the construction means, methods, techniques, sequences or procedures, or has made an examination to ascertain how or for what purpose the Contractor has used previous payments.
 3. Payments may be made by the Owner, in its sole discretion, on account of materials or equipment not incorporated into the work but delivered to the site and suitably stored and insured by the Contractor. Payments for materials or equipment stored shall only be considered upon submission by the Contractor of satisfactory evidence that it has acquired title to such material, that it will be utilized on the work under this contract and that it is satisfactorily stored, protected and insured, or such other procedures satisfactory to Owner (District Project Manager), Inspector, and Architect,

PART 2 - PRODUCTS

- A. NOT USED

PART 3 - EXECUTION

- A. (NOT USED)

END OF SECTION

SECTION 01 25 00
SUBSTITUTION PROCEDURES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. General Requirements
- B. Definitions
- C. Product Options
- D. Substitution Procedures – Contractor’s Duties
- E. Substitution Procedures – Architect’s Duties

1.2 GENERAL REQUIREMENTS

- A. Provide products listed in Contract Documents, products by manufacturers listed in Contract Documents, and products meeting specified requirements.
 - 1. Contract Amount: Base on materials and products included in Contract Documents.
 - 2. Where listed in Contract Documents, materials and products by manufacturers not listed shall not be used without Owner’s and Architect’s approval of Contractor's written request for substitution.
- B. Procedures are described for requesting substitution of unlisted materials in lieu of materials named in Specifications or approved for use in addenda.

1.3 DEFINITIONS

- A. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by the Contract Documents.
 - 1. "Approved Equal" or "Equal" shall mean in the opinion of the Architect and/or Owner.
 - 2. DSA – Division of the State Architect.
 - 3. Substitutions for Cause: Changes proposed by Contractor that are required due to changed Project conditions, such as unavailability of product, regulatory changes, or unavailability of required warranty terms.
 - 4. Substitutions for Convenience: Changes proposed by Contractor or Owner that are not required to meet other Project requirements but may offer advantage to Contractor or Owner.

1.4 PRODUCT OPTIONS

- A. **Products Specified by Reference Standards or by Description:** Select product meeting referenced standard for products specified only by reference standard.
- B. **Named Manufacturers and Named Products:** Provide Products of the Basis of Design manufacturer named in compliance with specifications.
 - 1. **Where another manufacturer is listed as an approved alternate manufacturer to the specified Basis of Design manufacturer, and a specific make and model is NOT provided, Contractor shall demonstrate compliance with the Basis of Design products supplied by listed alternate manufacturer by providing substitution documentation as required by this Section.**
 - 2. **If a specific make and model is provided with the Approved Alternate Manufacture(s) listed in each specification section, a substitution request will not be required, as the characteristics for those products have been compared by the Architect/Engineer and are considered equivalent.**
 - 3. Where the substituted manufacturers standard product is not equal to that specified, the substituted manufacturer shall provide custom or non-standard products, system components, fabrication and configuration as necessary to comply with specified criteria, whether or not such criteria are the substituted manufacturers standard or stock item.
 - 4. Consideration of whether a substituted product is equal to that specified will include all characteristics of the specified product, based on published data available from the specified manufacturer, whether listed in the specification or not. See Paragraph 1.5H, this Section for specific submittal procedures.
 - 5. Consideration of whether a substituted product is equal to that specified is solely the decision of the Architect.
 - 6. Provide substitution documentation as specified in this Section, submitted on the provided form in Section 01 25 00.10, "Substitution Request Form".
- C. Where product is specified followed by term "No Substitution Permitted", or similar phrase, do not submit alternate products for review. Any substitution request received will be returned rejected.

1.5 SUBSTITUTION PROCEDURES – NOT CONSIDERED ON THIS PROJECT

- A. Substitutions, including requests for substitution during bidding period, will be considered in accordance with the General Conditions and this Section.
 - 1. Submit all Requests for Substitutions within **14 days** after Notice to Proceed. Substitutions received after **14 day** period will be rejected.
 - 2. Request for Substitution will only be considered when submitted within specified time period of Contract award, and when such request is accompanied by complete data substantiating compliance of proposed substitution with Contract Documents criteria and standard of quality.
- B. Substitutions may be considered when a Product becomes unavailable through no fault of the Contractor.

- C. Incomplete substitution requests will be rejected without explanation.
- D. **Substitutions are required for all substituted products.** Substitutions will not be considered for acceptance when:
 - 1. They are indicated or implied on shop drawings or product data submittals only, without separate written request, or when acceptance will require revision to the Contract Documents.
 - 2. They are requested directly by a subcontractor or supplier.
 - 3. Acceptance will require substantial revision of Contract Documents.
- E. By submitting a request, the Contractor stipulates that the Contractor:
 - 1. Has investigated proposed Product and determined that it meets or exceeds the quality level of the specified Product.
 - 2. Will provide the same warranty or longer warranty for the Substitution as for the specified Product.
 - 3. Will coordinate installation and make other changes that may be required for Work to be complete in all respects, at no additional cost to the Owner.
 - 4. Unless specifically noted in the Request for Substitution, waives claims for additional costs or time extension which may subsequently become apparent.
 - 5. Will pay costs of changes to Contract Documents, Drawings, details and Specifications required by accepted substitutions.
- F. Any substitutions that change or affect the Structural, Access or Fire & Life Safety portions of the project construction documents shall be submitted as a CCD and approved by DSA prior to fabrication and installation.
- G. Contractor agrees to compensate Architect, at Architect's current billing rates, for review of Substitution requests that require modification of the Contract Documents.
 - 1. Compensation shall be made by an adjustment to the Contract amount.
 - 2. Compensation as agreed upon shall be paid by the Contractor whether the change is approved or rejected.
 - 3. Where approval(s) are required by Division of State Architect (DSA), the Contractor shall pay all plan check fees or fees required to obtain approval.
 - 4. The Contractor shall pay the Architect and its Consultants for all services rendered for drawings, calculations, review time, and/or DSA plan check time for each substitute item(s) for approval.
- H. Substitution Submittal Procedure and Documentation:
 - 1. Procedure:

- a. A maximum of one substitution request shall be submitted for any one item. Submit with same section name and number in specification. **Do not combine specification sections.**
 - b. Document each request with complete data substantiating compliance of proposed Substitution with Contract Documents and as follows.
 - c. Where necessary, arrange the product information to provide a side-by-side comparison of test data and other comparative data of the proposed substitution with the same test data and other comparative data in the specified item or product.
 - d. Substitution requests without such documentation will be rejected without review.
 - e. Where substitution request is rejected, provide submittal for specified product within five days of receipt of notice rejection.
 - f. Where decision cannot be made within the time required for orderly and uninterrupted work progress, provide the specified product.
2. Documentation – Submit all substitution requests on the provided form in Section 01 25 00.10, “Substitution Request Form”:
- a. Substitutions shall be accepted in PDF format.
 - b. If physical copies of product data or samples are required, provide three copies of each, along with PDF submittal request.
 - c. Provide a typed, line by line comparison of the characteristics and attributes of the specified item with those of the proposed substitution.
 - d. For product data submitted, provide only those items that are applicable to the products being compared. Cross out, or otherwise note, any non-applicable items within the submittal to expedite review.
 - e. Show comparative documentation, illustrating compliance with requirements for substitutions and the following, as applicable (attach to Substitution Request Form in Section 01 25 00.10, if required):
 - 1) Specification Name and Number shall be clearly indicated in the Substitution Request Form.
 - 2) Statement indicating why specified product or fabrication or installation method cannot be provided, if applicable.
 - 3) Coordination of information, including a list of changes or revisions needed to other parts of the Work and to construction performed by Owner and separate contractors that will be necessary to accommodate proposed substitution.
 - 4) Detailed comparison of significant qualities of proposed substitutions with those of the Work specified. Include annotated copy of applicable Specification Section. Significant qualities may include attributes, such as performance, weight, size, durability, visual effect, sustainable design characteristics, warranties, and specific features and requirements indicated. Indicate deviations, if any, from the Work specified.

- 5) Product Data, including drawings and descriptions of products and fabrication and installation procedures.
 - 6) Samples, where applicable or requested.
 - 7) Certificates and qualification data, where applicable or requested.
 - 8) Material test reports from a qualified testing agency, indicating and interpreting test results for compliance with requirements indicated.
 - 9) Research reports evidencing compliance with building code in effect for Project, from appropriate approval and testing agencies, e.g. ICC-ES, ASTM, UL, Warnock Hersey, etc.
 - 10) Detailed comparison of Contractor's construction schedule using proposed substitutions with products specified for the Work, including effect on the overall Contract Time. If specified product or method of construction cannot be provided within the Contract Time, include letter from manufacturer, on manufacturer's letterhead, stating date of receipt of purchase order, lack of availability, or delays in delivery.
 - 11) Provide an indication of cost impacts, if any. If a possible cost increase is indicated, upon request, provide a Change Order Request for consideration and approval by the Owner..
 - 12) Contractor's certification that proposed substitution complies with requirements in the Contract Documents, except as indicated in substitution request, is compatible with related materials and is appropriate for applications indicated.
 - 13) Contractor's waiver of rights to additional payment or time that may subsequently become necessary because of failure of proposed substitution to produce indicated results.
- I. Substitutions for Convenience are not allowed.

INCLUDE OPTION BELOW ONLY IF THE ARCHITECT AND OWNER ARE WILLING TO ACCEPT SUBSTITUTIONS FOR CONVENIENCE

- J. Substitutions for Convenience: Architect will consider requests for substitution if received within **45 days** after the Notice to Proceed. **OR commencement of the Work OR the Notice of Award.** Requests received after that time may be considered or rejected at discretion of Architect.
1. Conditions: Architect will consider Contractor's request for substitution when the following conditions are satisfied. If the following conditions are not satisfied, Architect will return requests without action, except to record noncompliance with these requirements:
 - a. Requested substitution offers Owner a substantial advantage in cost, time, energy conservation, or other considerations, after deducting additional responsibilities Owner must assume. Owner's additional responsibilities may include compensation to Architect for redesign and evaluation services, increased cost of other construction by Owner, and similar considerations.
 - b. Requested substitution does not require extensive revisions to the Contract Documents.

- c. Requested substitution is consistent with the Contract Documents and will produce indicated results.
- d. Substitution request is fully documented and properly submitted.
- e. Requested substitution will not adversely affect Contractor's construction schedule.
- f. Requested substitution has received necessary approvals of authorities having jurisdiction.
- g. Requested substitution is compatible with other portions of the Work.
- h. Requested substitution has been coordinated with other portions of the Work.
- i. Requested substitution provides specified warranty.
- j. If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.

1.6 SUBSTITUTION PROCEDURES – ARCHITECT’S DUTIES

- A. The Architect will review Substitution Request upon receipt with reasonable promptness and will request any additional data necessary to accept or reject substitution request.
- B. Substitution Requests received after 9:00 AM on Friday will be logged as received on the following Monday at 8:00 AM.
- C. Architect will recommend that Owner accept or reject substitution request based on, but not limited to, the following items:
 - 1. Requested substitution is consistent with the Contract Documents and will produce indicated results.
 - 2. Substitution request is fully documented and properly submitted.
 - 3. Requested substitution will not adversely affect Contractor's construction schedule.
 - 4. Requested substitution will not adversely affect the desired aesthetics for the Project.
 - 5. Requested substitution has received necessary approvals of authorities having jurisdiction.
 - 6. Requested substitution is compatible with other portions of the Work.
 - 7. Requested substitution has been coordinated with other portions of the Work.
 - 8. Requested substitution provides specified warranty.
 - 9. Requested substitution clearly indicates whether additional costs will be incurred by the Owner.
 - 10. If requested substitution involves more than one contractor, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to all contractors involved.

- D. The decision to accept or reject substitution request will be made within a reasonable period after Architect receives final documentation data.
 - 1. Architect and Owner will determine acceptability of proposed substitutions and reserve right to reject proposals due to insufficient information.
 - 2. The Architect may reject any substitution request on the basis of aesthetics.
- E. If changes to the Contract Documents require reapproval by DSA, Architect/Engineer will indicate to the Contractor in their review response that addition costs must be incurred for re-approvals.
- F. If the Contractor accepts that additional costs to be borne by Contractor for changes to Contract Documents, Drawings, details and Specifications that are required by substitutions are acceptable, then Architect/Engineer will provide a cost proposal for consideration. Written acceptance of charges by Contractor is required prior to any cost being incurred by the Architect/Engineer.
- G. Substitutions with material effect on the project will be submitted for approval by DSA as a Construction Change Document (CCD), prior to fabrication or installation.
- H. The Architect will notify Contractor, in writing on the Substitution Request Form, of decision to accept or reject request.

PART 2 - PRODUCTS

- A. NOT USED

PART 3 - EXECUTION

- A. NOT USED

END OF SECTION

SECTION 01 26 00

CONTRACT MODIFICATION PROCEDURES

PART 1 - GENERAL

1.1 SUMMARY

- A. Schedule of Values.
- B. Inspector of Record Payment Provisions
- C. Change Procedures
- D. Applications for Payment.
- E. Payment for Contract Document Modifications
- F. Requests for Information (RFIs)

1.2 SCHEDULE OF VALUES

- A. See Section 01 20 00, "Price and Payment Procedures" for Schedule of Values requirements.

1.3 INSPECTOR OF RECORD PAYMENT PROVISIONS

- A. In the event Contractor's performance of the work activities requires the Owner's Inspector of Record to work overtime, holidays or weekends, Inspectors cost shall be reimbursed by Contractor to Owner by deductive contract adjustment.

1.4 CHANGE PROCEDURES

- A. General
 - 1. Contractor shall establish measures as needed to assure familiarity of the Contractor's staff and employees with procedures for processing changes to the Contract Documents.
 - 2. The Contractor shall maintain and coordinate a Register of RFI's, ASI's, Contractor Change Order Requests, DSA CCD's and Change Orders at the job site, accurately reflecting current status of all pertinent data as submitted by the Contractor.
- B. Architect's Supplemental Instructions (ASI): The Architect will advise of minor changes in the Work that do not involve an adjustment to Contract Price or Contract Time by issuing supplemental instructions on AIA Form G710, DSA CCD-B, or other Architect issued document.
 - 1. If Contractor considers the minor change does represent a change in the contract, Contractor shall immediately notify the Architect of Contractor's intention to make a claim.

- C. Proposal Request (PR): The Architect may issue a Proposal Request which includes a detailed description of a proposed change with supplementary or revised Drawings and specifications. Contractor shall:
1. Analyze the described change and its impact on costs and time. Submit response within 10 days. If accepted by Owner, Architect will prepare Change Order.
 2. When requested, meet with the Architect as required to explain costs and, when appropriate, determine other acceptable ways to achieve the desired objective.
 3. Alert pertinent personnel and subcontractors as to the impending change and, to the maximum extent possible, avoid such work as would increase the Owner's cost for making the change, advising the Architect in writing when such avoidance no longer is practicable.
 4. Following review, and if accepted by Owner, Architect will prepare Change Order.
- D. Architect's Supplemental Instructions (ASIs):
1. ASIs issued for minor changes in the work:
 - a. The Architect will advise of minor changes in the Work that do not involve an adjustment to Contract Price or Contract Time by issuing supplemental instructions on Architect's ASIs document.
 - b. If Contractor considers the minor change does represent a change in the contract, Contractor shall proceed with the change and immediately notify the Architect of Contractor's intention to make a claim.
 2. ASIs issued as a Proposal Request:
 - a. The Architect may issue a ASI requesting Contractor's response to a proposed change, and which includes a detailed description of a proposed change with supplementary or revised Drawings and specifications. Contractor shall:
 - 1) Analyze the described change and its impact on costs and time. Submit response within 10 days. If accepted by Owner, Architect will prepare Change Order.
 - 2) When requested, meet with the Architect and Construction Manager as required to explain costs and, when appropriate, determine other acceptable ways to achieve the desired objective
 - 3) Alert pertinent personnel and subcontractors as to the impending change and, to the maximum extent possible, avoid such work as would increase the Owner's cost for making the change, advising the Architect through the Construction Manager in writing when such avoidance no longer is practicable.
 - b. Following review, and if accepted by Owner, Architect will prepare Change Order.
- E. Change Order Request (COR):
1. Contractor may submit a COR to the Architect for changes in conditions, Owner changes, or other direction from the Architect or Owner's inspector.

2. Document the proposed change and its complete impact, including its effect on the cost and schedule of the work.
 3. Present total cost and schedule impacts in documentation, including all mark-ups permitted by General Conditions. Provide detailed back-up as required by Architect, including supplier costs, sub-contractor labor time and rates, and all other data deemed necessary by Architect for Owner's and Architect's review of COR.
 4. Following final review by Architect and Owner of original and supplemental information, and if COR is accepted, no additional cost or schedule adjustments will be included.
 5. Architect will review COR. If accepted, Architect will prepare a Change Order or Construction Change Directive, or Owner may approve the Change Order Request at their option.
- F. Change Order (CO): Change Orders and Construction Change Directives will be issued by the Architect in accordance with procedures established in General Conditions.
1. Change Order Forms: Per attached form at end of this Section.
 2. Execution of Change Orders: Architect will issue Change Orders for signatures of Owner, Architect, and Contractor as provided in the General Conditions of the Contract.
- G. Construction Change Directives (CCD): DSA Form 140 CCD-A or CCD-B will be issued by the Architect in those cases where contract cost or time for the modification is in dispute.
1. Execution of Construction Change Directive: Architect will issue DSA approved CCD. Proceed with work as defined by CCD.
 2. Unless otherwise agreed, maintain detailed records of work done under the direction of a CCD on Time and Material basis. Provide full information required to substantiate costs for changes in the Work.
 3. Following agreement on cost of the work, a Change Order will be prepared.
- H. No payment on Time and Materials basis will be made without signature of Inspector of Record certifying time spent and materials used Architect and Inspector of Record shall establish documentation and reporting procedure for Time and Material certification.
- I. All DSA SSS, FLS, ACS changes in contract for construction, regardless of effect on Contract Price or Contract Time, require the approval of DSA in accordance with Section 4-338, Part 1, T-24 CCR, "Addenda and Change Orders".
- J. Architect will provide a single copy of all documents issued under this Article for transmission to Contractor. Contractor shall prepare copies as required for distribution to subcontractors, suppliers and others at no cost to Owner.

PAYMENT FOR CONTRACT DOCUMENT MODIFICATIONS

- K. **(Not Applicable on this project)** The Contractor shall compensate the Owner, by Owner-Contractor Contract adjustment, for the Architect reasonable costs to modify Contract Documents required by work not performed in accordance with approved Contract Documents.

1.5 REQUESTS FOR INFORMATION (RFIS)

- A. Refer to section 01 26 13, “Requests for Interpretation” for RFI procedures.

PART 2 - PRODUCTS

- a. Not Used

PART 3 - EXECUTION

- a. Not Used

END OF SECTION

SECTION 01 26 13
REQUESTS FOR INTERPRETATION

PART 1 - GENERAL

1.1. DESCRIPTION

- A. This section covers general requirements for Contractor's Requests for Interpretation (RFIs).

1.2. CONTRACTORS REQUESTS FOR INTERPRETATION

- A. Submit a Request for Interpretation to the Architect when:
1. An unforeseen condition or constructability question occurs.
 2. Questions regarding information in the Contract Documents arise.
 3. Information not found in the Contract Documents is required.
- B. When possible, request such clarification in writing at the next scheduled Project meeting. When the RFI is answered at the Project meeting, number the RFI and enter the response into the meeting minutes.
1. When the urgency of the need, or the complexity of the item makes clarification at the next scheduled Project meeting impractical, prepare and submit a formal written RFI to the Architect without delay.
- C. Submit RFIs within a reasonable time frame so as not to interfere with or impede the progress of the work. Keep the number of RFIs to a minimum. When the number and frequency of RFIs submitted becomes unwieldy, the Architect may require the Contractor to abandon the process and submit requests as either submittals, substitutions, or requests for change.
1. When an answer to an RFI has an effect on cost or time, notify the Architect and Owner in accordance with the Contract Documents at the time of submittal. Notification shall occur prior to commencing such work, so that the change order process can be initiated.
 2. At the time of submitting an RFI, alert the Architect to the time available before the response will cause an impact to the Project.
 3. Submit a PDF of the Request for Interpretation, in the format provided in Section 01 26.13.10 and include :
 - a. RFI number. For all revisions note the revisions with an underscore and a notation at the end of the RFI number equal to "R1", "R2", etc. (e.g. RFI 001_R1).
 - b. Include all references, such as drawing numbers, detail references or specification numbers, as appropriate.
 - c. Include importance factor with four available options: Urgent, High, Medium and Low
 - d. Describe subject of RFI in a concise form describing the nature of the problem
 - e. Clear, concise explanation of information or clarification requested.
 - f. Contractor's Suggested Resolution for the described request, if appropriate.
 - g. Attach files, drawing references, sketches, images, any types of electronic

information that pertain to the request.

- A. RFI's received in Architect's office after 9:00 AM Friday will be logged in as received by Architect on Monday, 8:00 AM. This applies to all forms of communication.
- B. The Architect will respond to legitimate and bonafide Requests for Information (RFIs) initiated by Contractor.
- C. The Architect's action will be taken with such reasonable promptness while allowing sufficient time in the Architect's professional judgment to permit adequate review.
- D. Allow a minimum of 5 working days for review and response time; the response time will be increased if inadequate information is provided, when the RFI is submitted out-of-sequence, or if in the opinion of the Architect, more time is needed to answer the RFI.

1.3. QUALITY ASSURANCE

- A. Carefully study the Contract Documents to assure that the requested information is not available therein. RFIs requesting information available in the Contract Documents may not be answered by the Architect.
- B. In all cases where an RFI is issued to request clarification of coordination issues, for example, pipe and duct routing, clearances, specific locations of work shown diagrammatically, and similar
- C. items, the Contractor shall fully lay-out a suggested solution using drawings or sketches drawing to scale and submit same with the RFI. An RFI which fails to include a suggested solution will not be answered.
- D. Do not use RFI for the following purposes:
 - 1. To request approval of submittals.
 - 2. To request approval of substitutions.
 - 3. To request changes to the Contract Documents to confirm action taken by the Contractor for requested changes/substitutions to the Contract Documents.
- E. If the Contractor believes that a clarification by the Architect may result in a change in Contract price, the contractor shall not proceed with the work indicated by the RFI until a change order or other acceptable tracking device is prepared and approved by the Owner.
 - 1. If the Contractor believes that a clarification by the Architect results in additional cost, the Contractor shall identify in the RFI the basis of the Contractor's bid as it relates to the RFI.
 - 2. Answered RFIs shall not be construed as an approval to perform extra work.

PART 2 - PRODUCTS

- A. Not Used

PART 3 - EXECUTION

- A. Not Used

END OF SECTION

CONTRACTOR'S REQUEST FOR INFORMATION

RFI # _____

From: _____

Proj. _____ Date: _____

To: _____

Project: WCC PA, Culinary Type II Equipment

Disciplines Impacted: Architectural Structural Mechanical
 Civil Landscape Electrical _____

Importance Factor Urgent High Medium Low

Reference: Drawing(s) _____ Spec Section(s) _____ Other _____

Please clarify or provide the following information (Attach additional pages, if required):

Possible Cost Impact Increase Decrease No Change Unknown

Possible Time Impact Increase Decrease No Change Unknown

This information is required as soon as possible,
but no later than _____

**PRIORITY ATTENTION
REQUIRED**

Copies to: _____

Contractor's Representative _____

Architect's Response (Attach additional pages, if required):

Date: _____

Copies to: _____

ARCHITECT Representative _____

END OF SECTION

SECTION 01 31 00

PROJECT MANAGEMENT AND COORDINATION

PART 1 - GENERAL

1.1 SUMMARY

- A. Coordination.
- B. Preconstruction Conference
- C. Preinstallation Conferences
- D. Progress Meetings
- E. Minutes of Meetings

1.2 RELATED SECTIONS:

- A. Section 00 52 00 – Agreement For Services
- B. Section 01 25 00 - Substitution Procedures
- C. Section 01 32 16 - Construction Progress Schedule
- D. Section 01 33 00 - Submittal Procedures
- E. Section 01 71 23 - Field Engineering
- F. Section 01 73 29 - Cutting and Patching
- G. Section 01 77 19 - Closeout Requirements

1.3 COORDINATION

- A. Contractor shall comply with the following project start-up and administrative requirements for work under the Contract:
 - 1. Coordinate the work and work of subcontractors with work by others under separate contract on Project.
 - 2. Establish procedures for the orderly progress and prosecution of the work, including, but not limited to, attendance at project meetings, communication and documentation procedures, submittal processing, and control of the site.
 - 3. Coordinate work with all inspection and testing, including compliance with all agency inspection criteria, including DSA inspections.
 - 4. Coordinate and monitor use of temporary utilities, conserving energy where feasible.

Prepare detailed schedule for all subcontractors in compliance with Section 01 33 00, "Submittal Procedures" and Section 01 32 16, "Construction Progress Schedule".

5. Coordinate scheduling of work, submittals, and inspection/testing to assure the efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later. Monitor schedules for compliance with completion dates, modify and recommend adjustments. Manage subcontractors work, including monitoring of work force, work completed and impact on schedule
- B. Contractor shall comply with the following requirements for coordinating the Work:
1. Coordinate scheduling, submittals, and Work of the various Sections of specifications to assure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
 2. Verify that utility requirements and characteristics of operating equipment are compatible with building utilities. Coordinate work of various Sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
 1. Coordinate space requirements and installation of mechanical and electrical work which are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable; place runs parallel with line of building. Utilize spaces efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
 - a. Priority of right of way in attic and other interstitial spaces shall be as follows:
 - 1) First Priority: Electrical lights, electrical panels and sloped drain piping.
 - 2) Second Priority: Ductwork.
 - 3) Third Priority: Fire protection piping, domestic hot water, domestic cold water and condenser water piping.
 - 4) Other.
 3. Unless otherwise indicated, where piping, ducts, and wiring occurs in finished areas, conceal such pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
 4. Coordinate completion and clean up the Work of separate Sections in preparation for Substantial Completion and for portions of Work designated for Owner's partial occupancy.
 5. After Owner occupancy of premises, coordinate access to site for correction of defective Work and Work not in accordance with Contract Documents, to minimize disruption of Owner's activities.

1.4 PRECONSTRUCTION CONFERENCE

- A. Architect will schedule a conference upon execution of the Contract.
- B. Attendance Required: Owner, Owner's Project Inspector, Owner's Testing Service representative, Architect, Contractor and major Sub-contractors, including assigned superintendent and foreman. Obtain Architect's prior approval of major subcontractor's attendance.
- C. Agenda:
 - 1. Execution of Owner-Contractor Agreement.
 - 2. Submission of executed bonds and insurance certificates.
 - 3. Distribution of Contract Documents.
 - 4. Designation of personnel representing the parties in Contract, and the Architect/Engineer.
 - 5. Procedures and processing of submittals, substitutions, applications for payments, proposal request, Requests for Interpretation, Change Orders, record documents and Contract closeout procedures.
 - 6. Submission of list of subcontractors, list of products, schedule of values, and progress schedule.
 - 7. Submission of Construction Schedule.
 - 8. Submission of Schedule of Values.
 - 9. Scheduling activities of inspector and geotechnical Engineer.
 - 10. Use of premises by Owner and Contractor.
 - 11. Owner's requirements and any partial occupancy requirements.
 - 12. Construction facilities and controls provided by Owner.
 - 13. Temporary utilities provided by Owner.
 - 14. Survey and building layout.
 - 15. Security and housekeeping procedures.
 - 16. Procedures for testing.
 - 17. DSA-required notices
 - 18. Procedures and processing of field decisions, submittals, substitutions, proposal request, Change Orders and Contract closeout procedures.
 - 19. Scheduling, including coordination with work of others.
 - 20. Use of premises by Owner and Contractor.

21. Owner's requirements and partial occupancy.
22. Construction facilities and controls provided by Owner.
23. Temporary utilities considerations.
24. Security and housekeeping procedures.
25. Procedures for maintaining record documents.
26. Requirements for start-up of equipment.
27. Inspection and acceptance of equipment put into service during construction period.

1.5 PRE-INSTALLATION CONFERENCES – SPECIFIC SECTIONS/PRODUCTS

- A. When required in individual specification Sections, convene a pre-installation conference at work site prior to commencing work of the Section.
- B. Require attendance of parties directly affecting, or affected by, work of the specific Section.
- C. Notify Architect, Owner and Inspector of Record a minimum four (4) days in advance of meeting date.
- D. Prepare agenda, preside at conference, record minutes, and distribute copies within two days after conference to participants, with two copies to Architect.
- E. Review conditions of installation, preparation and installation procedures, and coordination with related work.

1.6 PROGRESS MEETINGS

Coordinate with **District Project Manager** to schedule and administer meetings throughout progress of the Work at maximum weekly intervals ..

Contractor shall assign the same staff members to represent and act on behalf of the Contractor at all progress meetings.

The District Project Manager shall prepare agenda with copies for participants, preside at meetings, record minutes, and distribute copies within seven days to Contractor, Owner, participants, and those affected by decisions made.

- A. Attendance Required: Job superintendent, major Subcontractors and suppliers, Owner, Architect, Project Inspector and others as appropriate to agenda topics for each meeting.
- B. Progress Meeting Agenda:
 1. Review minutes of previous meetings.
 2. Review of Work progress.
 3. Field observations, problems, and decisions.

4. Identification of problems which impede planned progress.
5. Review of submittals schedule and status of submittals.
6. Review of off-site fabrication and delivery schedules.
7. Maintenance of progress schedule.
8. Corrective measures to regain projected schedules.
9. Planned progress during succeeding work period.
10. Coordination of projected progress.
11. Maintenance of quality and work standards.
12. Effect of proposed changes on progress schedule and coordination.
13. Other business relating to Work.

1.7 MINUTES OF MEETINGS

- A. Unless mutually agreed to otherwise, District Project Manager shall compile detailed minutes of the meetings, except pre-installation conferences, which shall be compiled by the Contractor, and furnish one copy to the Owner, Contractor, Architect and Inspector. Minutes shall record discussion, actions taken, and issues assigned to parties responsible for resolution.
- B. Recipients of minutes may make additional copies as they desire.
- C. Published minutes will be accepted as properly stating the activities and decision of the Meeting unless they are challenged in writing prior to the next regularly scheduled Progress Meeting.
 1. Persons challenging published minutes are responsible to convey to the person who prepared the minutes and that person shall redistribute copies of challenge to all recipients of the particular minutes being challenged.
- D. Contractor shall submit a copy of registered site drawing and certificate signed by the Land Surveyor that the elevations and locations of the Work are in conformance with the Contract Documents.

1.8 FIELD ENGINEERING

- A. See Section 01 71 23, "Field Engineering" for specific requirements related to field engineering.

1.9 CUTTING AND PATCHING

- A. See Section 01 73 29, "Cutting and Patching" for specific requirements related to cutting and patching.

PART 2 - PRODUCTS

- a. Not Used

PART 3 - EXECUTION

- a. Not Used

END OF SECTION

SECTION 01 32 00

CONSTRUCTION PROGRESS DOCUMENTATION

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Schedule Submittal Procedures.
- B. Baseline Construction Schedule
- C. Monthly Interval Updates
- D. Recovery Schedules
- E. Early Completion of a Project
- F. Time Extension Requests

1.2 SCHEDULE SUBMITTAL PROCEDURES

- A. Transmit required schedule to Architect per criteria in the General Conditions, and as specified.
- B. Failure to make timely submittals will not be reason for extension of Contract Time.
- C. Transmit each submittal separately with Architect accepted form.

1.3 BASELINE CONSTRUCTION SCHEDULE

- A. Submit Construction Schedule in accordance with the General Conditions.
- B. Initial/Baseline Schedule
 - 1. The Contractor shall prepare and submit to the Owner's Representative with copy to the Architect, the Contractor's Initial Construction Schedule within **fifteen (15) calendar days** after the issuance of the Notice to Proceed. The Initial Construction Schedule shall be in the form of a Critical Path Method (CPM) network diagram and shall be in sufficient detail to show the sequence of activities required for the complete performance of all work, including submittals affecting the critical path.
 - a. A construction sequence that does not exceed the contract completion date. Progress schedules submitted must show only actual working days, irrespective of weekends, holidays, etc. unless work is scheduled to actually be performed on those dates. The District anticipates that it is rare that work will be performed on weekends, holidays, etc., and as such anticipates that most progress schedules submitted will reflect only a 5 day work week on the schedule. Failure to exclude weekends, holidays, and other non-working days will result in the Progress Schedule being rejected and constitutes a material breach of the Contract.

2. Include submittal/approval/fabrication and delivery sequences for all key materials and equipment on the project.
 3. Activities shall reflect major inspections and testing of equipment.
 4. Utilize computerized software, such as **Microsoft Project**, Primavera, Promus, Aldegraph, or equal computerized CPM scheduling software.
 5. Use conventional critical path methods, principles, and definitions to satisfy the requirements of this specification.
 6. Contractor shall provide Initial Schedule in the proper Schedule Format.
 7. The Owner's Representative will comment on the Contractor's Initial Schedule **within five (5) days** of its receipt.
 8. The Contractor will finalize and re-submit the schedule within **five (5) days** of the review meeting on the specified media. Upon acceptance by the Owner Representative, the approved Initial Schedule will become the project Baseline Contract Schedule. The Baseline Schedule shall not be revised without written approval of the Owner Representative.
 9. The Owner shall have the right to withhold progress payments from the Contractor at its discretion if the Contractor fails to finalize and obtain approval for the Baseline Contract Schedule within the prescribed period.
 10. Rain days shall be anticipated and included in the schedule.
 - a. Rain days shall be anticipated and included in the schedule. Rain days shall be defined as a day with 0.1 inch of measurable rain or more, as per National Weather Service. The Inspector of Record will not be authorized to approve any rain day delay claims however; the Inspector of Record certifies that the rain day actually resulted in the delay of the prosecuting of the scope of work being performed on the project at the time of the rain day. Rain day delay claims will not be approved merely to afford an extension of time of completion of the contract.
 11. Email attachment of the Updated Schedule in the proper Schedule Format.
 12. A copy of the most recent CPM construction schedule shall be posted in the Contractor's job office and copies of all out of date schedules shall be kept at the job office at all times for perusal by the District.
- C. The Schedule Reports shall consist of:
1. Email PDF attachment of the entire Initial Schedule in the proper Schedule Format.
- D. Schedule Format
1. The Contractor shall use Microsoft Project, Primavera Project Planner software (current version) or have the means of providing the Owner's Representative with files on Flash Drive or other Owner-accepted format, in a form that can be completely restored into Primavera without requiring the use of a conversion program or utilizing other software.

E. Short Interval Schedule

1. Short Interval Schedules (SIS) shall be submitted to the Owner Representative with copy to the Architect during the weekly site meetings.
2. The SIS interval shall be **three weeks** and shall include the past week, the week submitted and the week thereafter; the SIS may be hand generated.
3. The SIS shall be based on the Contract Schedule and shall be in bar chart form. The SIS shall be in sufficient detail to evaluate the Contractor's performance in the preceding week and planned progress in upcoming weeks vis a vis the Contract Schedule and Updates thereof.
4. Following review and revisions as necessary, the SIS will be accepted by the Owner Representative.

F. Float Time

1. Float or slack time is defined as the amount of time between the earliest start date and the latest start date of the earliest finish date and the latest finish date of a scheduled activity.
2. Float or slack time is not for the exclusive use or benefit of either the Contractor or the Owner. The Contractor acknowledges and agrees that actual delays affecting path of activities containing float, will not have any effect upon the Contract completion date, provided that the actual delay does not exceed the float time associated with those activities.

G. Construction Schedule Revisions

1. Updating the construction schedule to reflect actual progress shall not be considered to be a revision of the Schedule.

1.4 RECOVERY SCHEDULES:

1. If during the process of schedule updating it becomes apparent that the Construction Schedule no longer represents the actual prosecution and progress of the work, the Owner's Representative may require the Contractor to submit a revised schedule at no additional cost to the Owner. The Owner shall have the right to withhold progress payments from the Contractor at its discretion, if the Contractor fails to submit a timely, detailed and workable Recovery Schedule.
2. Once a Contractor determines or the District or Architect notifies the Contractor that based on his/her/its observations of the work completed and the work in progress that the Contractor is fifteen (15) calendar days or more behind schedule, the Contractor has a duty to prepare a **Recovery Schedule** and submit the same to the District within seven (7) calendar days of receipt of notice that the Contractor is off schedule by fifteen (15) calendar days or more or, if no such notice is received by Contractor, within seven (7) calendar days of the date it becomes known to Contractor that Contractor is off schedule by fifteen (15) calendar days or more. Failure to timely provide District with recovery schedules shall constitute a material breach of the contract and District may declare the Contractor in default and terminate the contract.

1.5 EARLY COMPLETION OF PROJECT:

- A. In the event the Contractor wishes to complete work earlier than the specified contract completion date, and the Owner/Architect approve such earlier completion, the following conditions apply:

1. The contract completion date shall not be amended by the Owner Representative approval of Contractor's proposed earlier completion date.
2. Contractor shall not, under any circumstances, receive additional compensation from the Owner for indirect, general, administrative or other forms of overhead costs, for the period between the time or earlier completion proposed by the Contractor and the official contract completion date.

1.6 TIME EXTENSION REQUESTS

- A. The monthly updated construction schedules submitted by the Contractor shall not show a completion date later than the Contract Time, subject to any time extensions granted by the Owner.
- B. If the Contractor believes that it is entitled to an extension of the Contract Time due to a Change Order of delay/disruption, the Contractor, within **ten (10) workdays** of the qualifying event(s), shall submit:
 1. A Time Extension Request notification letter with a detailed narrative justifying the time extension requested;
 2. Fragmentary Network (Fragnet) Analysis of the delay impact, identifying all schedule activities that are impacted by the subject occurrence;
 3. Tabular report of the qualifying update of the CPM schedule the analysis is based on; and
 4. A schedule analysis entitled "Time Extension Request Schedule" That incorporated the findings of the Fragnet analysis into the latest (qualifying) update of the CPM schedule;
 5. The Fragnet and time extension request schedules shall be time scaled, utilizing a computer generated network analysis unless otherwise approved by the Owner's Representative.
 6. The time extension request shall forecast the adjusted project completion date and impact to any intermediate milestones.
 7. Float is not for the exclusive use or benefit of either the Owner or Contractor. Contract time extensions shall be granted only to the extent the equitable time adjustments to the activity or activities affected by a change order of delay/disruption exceed the total float of a critical activity (or path) and extend the Contract Completion Date.
- C. When Contractor does not submit a Time Extension Request within ten (10) working days, it is mutually agreed that the particular Change Order (including Proposed Change Order) or delay/disruption does not impact the construction schedule and hence no time extension is due to the Contractor.
- D. The Owner shall not have any obligation to consider any time extension request unless the requirements of the contract documents are complied with. The Owner shall not be responsible or liable to the Contractor for any constructive acceleration due to failure of the Owner to grant time extensions under the terms of this contract, should Contractor fail to comply with the time extension submission and justification requirements stated herein.

PART 2 - PRODUCTS

A. NOT USED

PART 3 - EXECUTION

A. NOT USED

END OF SECTION

SECTION 01 33 00

SUBMITTAL PROCEDURES

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Submittal procedures
- B. Substitutions
- C. Submittals and Substitution Requests Requiring Agency Review
- D. Electronic Submittal Procedures.
- E. Product Data Submittals.
- F. Manufacturer's Instructions and Certificates
- G. Shop Drawing Submittals
- H. Physical Sample Submittals
- I. Construction Schedules
- J. Contractor Responsibilities
- K. Architect Responsibilities
- L. Deferred Approvals
- M. Electronic Documents for Contractor's Use

1.2 DESCRIPTION

- A. Types of Submittals: Submittal procedures specified in this section include construction progress schedules, shop drawings, product data, samples, manufacturers' certificates, manufacturer's installation instructions, and agency deferred approvals.
- B. Intent: Architect's review of shop drawings is intended to be a preview of what the Contractor intends to provide, and will function as an effort to foresee unacceptable materials or assemblies and to avoid the possibility of their rejection at the Project Site. Architect will review submittals only for conformance with the design concept of the Project and with the information given in the Contract Documents.
- C. The Architect's review of shop drawings will be general and shall not be construed:

1. As permitting departure from the Contract requirements except as otherwise provided for under Section 01 25 00, “Substitution Procedures”.
1. As relieving Contractor of responsibility for omissions or errors, including details, dimensions, materials, etc.
2. That review of a separate item indicates acceptance of an assembly in which the item functions. Architect will only review acceptance of an assembly in which the item functions. Architect will only review submittals required by Contract Documents for conformance with design concept of the Project and with the information given in the Contract Documents.

1.3 SUBMITTAL PROCEDURES

- A. Submit completed documentation in accordance with scheduling criteria where defined in contract documents.
- B. The documents will be reviewed by Architect for consistency with specified criteria. If necessary, Architect will return submittal to Contractor for corrections. Any corrections, if any, shall be made by Contractor and returned to Architect within 7 days.
- C. No contract time extensions will be granted for document modification caused by non-conformance with specified criteria.
- D. Transmit required submittals to Architect per criteria in the General Conditions and as specified.
- E. Transmit each sample submittal with AIA Form G810 or other Architect-accepted form.

Form website link:

<https://www.aiacontracts.org/contract-documents/20041-transmittal-letter>

- F. All submittals shall be made electronically through the system agreed to by JKAE, the Owner and the Contractor. Only Samples for verification should be submitted physically – See Item 1.6 in this Section for “Electronic Submittal Procedures”.
- G. Transmit submittals within time periods established by the General Conditions and as required to maintain orderly and sequential progress of the work.
- H. Maintain complete and current submittal log, indicating status of all submittals and re-submittals. Provide summary of submittal status at each periodic construction meeting.
- I. Failure to make timely submittals will not be reason for extension of Contract Time.
- J. Unless specifically requested, do not send submittals unless required by the project specifications. Submittals transmitted to Architect not required by specification will be returned without review.
- K. Sequentially number the submittals and transmittal forms as shown in each section requiring submittals with the project manual section number from which the submittal is being requested (e.g., 01 33 00A). Any required revisions and resubmittals shall be noted with an underscore and “R1”, “R2”, etc. (e.g. 01 33 00_R1).
- L. Provide submittals with the same number as indicated in the project specifications.

- M. **Do not combine specification sections within submittals.**
- N. Identify Project, Contractor, Subcontractor or supplier; pertinent Drawing sheet and detail number(s), and specification Section name and number, as appropriate.
- O. Apply Contractor's stamp and signature or initial (electronically or physically) certifying that review, verification of products required, field dimensions, adjacent construction work, and coordination of information, is in accordance with the requirements of the Work and Contract Documents. See General Conditions, Section 00 72 00, Paragraph 4.7.1.2.
- P. Unless otherwise authorized by the Architect, all of the submittals required by a specification section shall be submitted together at the same time. Electronic submittals of product data, shop drawings, etc. may be submitted ahead of physical color samples with approval of the Architect. Submittals that do not include all required submittals for a given specification section will be returned without review.
- Q. Schedule submittals to expedite the Project. Late submittals shall not be considered a valid reason for product substitution. Deliver Samples to architect at business address. Coordinate submission of related items.
- R. Identify variations from Contract Documents and Product or system limitations that may be detrimental to successful performance of the completed Work. If variations occur, submit a substitution request.
- S. Provide space for Contractor and Architect review stamps.
- T. Samples: Provide samples as specified in each Section.
- U. Manufacturer's Data: Provide descriptive data on all accessory items and operation.
- V. Installation Data: Submit descriptive data on installation procedures.
- W. Revise and resubmit submittals as required, identify all changes made since previous submittal.
 - 1. Provide re-submittals within seven days of receipt of returned submittal.
- X. Distribute copies of reviewed submittals to concerned parties. Instruct parties to promptly report any inability to comply with provisions.
- Y. Architect's review of submittals shall not relieve the Contractor for compliance with the Contract Documents, or for responsibility for deviations from Contract Documents.
 - 1. In review of submittals, Architect will not provide dimensions or elevations for field conditions, or for conditions available from a detailed review of documents.
- Z. Revise and resubmit submittals as required, identify all changes made since previous submittal.
- AA. Distribute copies of reviewed submittals to concerned parties at no additional cost to Owner for duplication, blueprinting, mailing or other costs. Instruct parties to promptly report any inability to comply with provisions.

BB. Architect will notify Contractor of availability of documents for pickup at Architect's office, and log such date as the date returned to Contractor. Architect is not obligated to transmit or deliver submittals to Contractor.

1.4 SUBSTITUTIONS

- A. Substitution requests will be considered in accordance with the General Conditions and must be submitted according to Section 01 25 00, "Substitution Procedures" on the provided substitution request form in Section 01 25 00.10.
- B. Substitutions submitted without following this procedure will be rejected.
- C. Substitutions will not be considered when indicated or implied on shop drawings or other forms of submittal without separate written request for substitution.

1.5 SUBMITTALS AND SUBSTITUTION REQUESTS REQUIRING AGENCY REVIEW

- A. Variations to Structural Safety, Fire and Life Safety and Access Compliance requirements require DSA review and approval.
- B. Architect will submit documents to DSA for review and comment in the form of a Construction Change Document (CCD). Architect will return documents to Contractor following DSA review and approval.
- C. Where required, Contractor shall make all changes or corrections required by DSA. Contractor shall pay all fees and provide all coordination and management necessary to obtain approval, including all meetings, correspondence and communications. Once corrections are made, Contractor shall return to Architect for resubmittal.
- D. After receiving DSA final approval, Architect will furnish Contractor a complete set of DSA approved documents in PDF format for Contractor's use in construction and for inspection by the Inspector of Record (IOR).

1.6 ELECTRONIC SUBMITTAL PROCEDURES

- A. All submittals shall be submitted electronically.
- B. Submittals shall be uploaded to the system agreed to by the Architect, the Owner and the Contractor in full size PDF format. Do not reduce Shop Drawings from original sheet size.
- C. One PDF copy of electronic submittals will be returned to the Contractor. Contractor may distribute submittals to the concerned parties electronically or physically. Any printing costs for physical distribution of submittals shall be borne by the Contractor. The Architect will not print copies for distribution.
- D. Follow all General Submittal Procedures as described above.

1.7 PRODUCT DATA SUBMITTALS

- A. Where specified in individual sections, submit complete list of major products proposed for use, with name of manufacturer, trade name, and model number for each product and supporting product data.
 - 1. For products specified only by reference standards, give manufacturer, trade name, model or catalog designation, and reference standards.
- B. Submit all product data electronically, in PDF format.
- C. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information unique to this Project. Mark out items that are not applicable to the project.
- D. After review, distribute in accordance with Submittal Procedures and provide copies for Project Record Documents as described in Section 01 77 00, "Closeout Requirements".
- E. Show dimensions and clearances required.

1.8 MANUFACTURER'S INSTRUCTIONS AND CERTIFICATES

- A. When specified in individual specification Sections, submit manufacturers' certificates and printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, in quantities specified for Product Data.
- B. Identify conflicts between manufacturers' instructions and Contract Documents.
- C. Indicate material or product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
- D. Certificates may be recent or previous test results on material or Product, but must address current regulatory requirements and be acceptable to Architect.

1.9 SHOP DRAWING SUBMITTALS

- A. Submit all shop drawings electronically, in PDF format.
- B. Provide the following information on each sheet:
 - 1. Project name and location.
 - 2. Contractor name and address.
 - 3. Subcontractor, manufacturer, or fabricator name and address.
 - 4. Date and scale of drawings
 - 5. Space for Contractor's and Architect's review and approval stamp.
- C. After review and distribution in accordance with Submittal Procedures, retain one copy of all reviewed shop drawings at the job and label them "PROJECT RECORD DOCUMENTS" as described in Section 01 77 00, "Execution and Close-out Requirements".

1.10 PHYSICAL SAMPLE SUBMITTALS

- A. Submit samples to illustrate functional and aesthetic characteristics of the Product, with integral parts and attachment devices. Provide units identical with final condition of proposed materials or products for the work. Coordinate sample submittals for interfacing work.
- B. Submit samples of finishes from the full range of manufacturers' standard colors textures, and patterns for Architect's selection.
- C. Submit the number of samples of selected finish color texture, and pattern as specified in individual specification Sections from the full range of manufacturers' standard colors, textures and patterns. Provide custom selections, as indicated in the Drawings and Specifications,
- D. Include identification on each sample, with full Project information.
- E. Submit the number or samples specified in individual specification Sections.
- F. If not specifically noted in individual specification Sections, submit a minimum of two (2) copies of each submittal including samples and resubmittals, as the Architect will retain one.
- G. Samples and Color Charts shall be physical submittals with accurate representation of color and other physical characteristics.
 - 1. Initial Submittal: Using manufacturers standard sample delivery system, in the number indicated within this Section submit samples of colors and finishes from the full range of manufacturers' standard colors (and custom colors if specified), textures, and patterns for Architect initial selection.
 - 2. The Architect will notify Contractor of initial selection by Architect's Supplemental Instructions (ASI), or other mutually agreed to format.
 - 3. Following receipt of initial selection, submit the number of samples of selected finish color, texture, and pattern as specified in individual specification Sections, with a minimum of five samples provided.
- H. Follow all General Submittal Procedures as described above.

1.11 CONSTRUCTION SCHEDULES

- A. Submit Construction Schedule in accordance with the General Conditions and as specified in Section 01 32 16, "Construction Progress Schedule".
- B. Contractor shall engage at his own expense all necessary personnel skilled in preparation of time and cost application of network techniques for construction projects.
- C. Initial Schedule preparation:
 - 1. Submit Initial Schedule within 14 days of date of Notice to Proceed.
 - 2. Architect and Owner will meet with the Contractor to review and comment on the Contractor's Initial Schedule within five (5) days of its receipt.

3. The Contractor shall finalize and re-submit the schedule within five (5) days of the review meeting. Upon acceptance by the Owner, the accepted Initial Schedule will become the project Baseline Contract Schedule. The Baseline Schedule shall not be revised without written approval of the Owner.
4. Contractor's failure to incorporate all elements of work required for the performance of the contract or any inaccuracy in the Baseline Contract Schedule shall not excuse the Contractor from performing all work required for a completed project within the specified contract time period, notwithstanding the Owner's acceptance of the Baseline Contract Schedule.

D. Monthly and Periodic Interval Updates

1. The Contractor shall submit to the Owner each month, with one copy to the Architect, an updated Schedule of the work. The schedule shall be submitted no later than five (5) workdays from the status date.
2. The Updated Schedule shall include:
 - a. The Contractor's estimated percentage complete (progress) for each activity in progress.
 - b. Actual start/finish dates for activities.
 - c. Identification of errors, if any, from the previous updated schedule.
3. Submit updated schedule with each pay request, reflecting all adjustments in construction schedule and sequence.
4. Contractor shall submit a narrative report as part of his monthly review and update, in form agreed upon by Contractor and Architect. Narrative report shall include description of problem areas; current and anticipated delaying factors and their estimated impact on performance of other activities and completion dates; and an explanation of corrective action taken or proposed.
5. Provide three-week look-ahead schedule at each construction progress meeting.

E. Pay Requests will not be processed without submission of updated schedule.

F. Schedule Format and Content: Provide overall schedule in horizontal bar chart, critical path form, in PDF format, or other Architect approved format, for each building and site work, with separate line for each major work activity, and scheduled on a weekly basis. Integrate all portions of project to identify critical path. Where specified, prepare schedule based on Phases as shown on drawings and specified.

1. The data included on the bar chart shall consist of the activity number, activity description, early start and finish date, original duration, remaining duration, percent complete, resource units per day, and total float.
2. The schedule activities shall be coded to include activity responsibility and the area of work. Area codes shall distinguish construction activities related to individual buildings or areas within buildings (e.g. gymnasium classrooms, lobby, locker rooms), site work, increments, and phasing.
 - a. Coordinate durations with work by Rough Grading Package Contractor.

3. No activity in the schedule shall have a duration longer than twenty (20) workdays, with the exception of fabrication and procurement activities, unless otherwise approved by the Owner. Activity durations shall be the total number of actual days required to perform the work including consideration of weather impacts.
4. Group related and coordinated activities. Identify early/late start and finish dates, major milestones, float dates, and duration of each activity.
5. Identify all utility and service interruptions and connections, including disconnection of existing buildings.
6. Detailed network activities shall include, in addition, submittal and approval of shop drawings, procurement of critical materials and equipment, fabrication of special material and equipment and their installation and testing. All activities of the Owner that affect progress, and contract required dates for completion of all or parts of the work shall be shown.
7. If physical copies of schedules are provided, sheet size of diagrams shall be at least 30 by 42 inches. Each updated copy shall show a date of the last revision.
8. Initial submittal and complete revisions shall be submitted in PDF format and the same quantity as provided previously.

G. Float Time

1. Float or slack time is defined as the amount of time between the earliest start date and the latest start date or the amount of time between the earliest finish date and the latest finish date of a scheduled activity.
2. Float or slack time is not for the exclusive use or benefit of either the Contractor or the Owner. The Contractor acknowledges and agrees that actual delays affecting path of activities containing float, will not have any effect upon the Contract completion date, provided that the actual delay does not exceed the float time associated with those activities.

- H. For scheduling purposes, the Owner and campus will be officially closed on the following holidays during each school year:

HOLIDAYS - CAMPUS CLOSED

2023: 6/19, 7/4, 9/4, 11/10, 11/23-11/24, 12/22-12/29

2024: 1/1, 1/15, 2/16, 2/19, 4/1, 4/4, 4/5, 5/27, 6/19, 7/4

1. It shall be the responsibility of the Contractor to confirm the month, day, and year for the above holidays with the Owner facilities management. Contractor shall coordinate and schedule his work accordingly. The project site will be available to the Contractor during the holidays but there is no guarantee that other Owner and campus facilities or services will be made available to the Contractor during the holiday schedule.

I. Construction Schedule Revisions

1. Updating the construction schedule to reflect actual progress shall not be considered to be a revision of the Schedule.
2. If during the process of schedule updating it becomes apparent that the Construction Schedule no longer represents the actual prosecution and progress of the work by more than **10 calendar days**, the Owner may require the Contractor to submit a revised schedule at no additional cost to the Owner. The Owner shall have the right to withhold progress payments from the Contractor at its discretion, if the Contractor fails to submit a timely, detailed and workable schedule showing recovery necessary to achieve scheduled completion.

J. Final Schedule: At the completion of the contract and prior to the release of any bonds or final payment by the Owner, the Contractor shall submit to the Owner, with copy to the Architect for approval, a final schedule, showing the actual job history.

K. Time Extension Requests: The monthly updated construction schedules submitted by the Contractor shall not show a completion date later than the Contract Time, subject to any time extensions approved by the Owner.

1. Contractor shall submit Time Extension Requests within 10 days of an event Contractor believes qualifies for a contract time extension, including contract modifications provided by Architect or Owner.
2. The Time Extension Request shall include a notification letter with a detailed narrative justifying the time extension requested.
3. Accompanying letter, provide schedule analysis entitled "Time Extension Request Schedule" incorporating narrative analysis into the latest (qualifying) update schedule.
4. Time Extension Request shall forecast the adjusted project completion date and impact to any intermediate milestones.
5. When Contractor does not submit a Time Extension Request within ten (10) working days, it is mutually agreed that the particular event, including ASI's, RFI response, or CCD/Change Order (including Proposed Change Order) or delay/disruption does not impact the construction schedule and hence no time extension is due to the Contractor.
6. The Owner shall not be under any obligation to consider any time extension request unless the requirements of the contract documents are complied with. The Owner shall not be responsible or liable to the Contractor for any constructive acceleration due to failure of the Owner to grant time extensions under the terms of this contract, should Contractor fail to comply with the time extension submission and justification requirements stated herein.

1.12 CONTRACTOR RESPONSIBILITIES

- A. Review shop drawings, product data and samples prior to submission. Reject and correct submittals that contain errors prior to submitting to Architect.
- B. Determine and verify:
 - 1. Field measurements.
 - 2. Field construction criteria.
 - 3. Catalog numbers and similar data.
 - 4. Conformance with specifications.
 - 5. Conformance with applicable codes.
- C. Submittals giving inadequate indication of contractor review and approval will be returned without review, for resubmission.
- D. Coordinate each submittal with requirements of the Work and of the Contract Documents.
- E. Notify the Architect in writing, at time of submission, of any deviations in the submittals from requirements of the Contract Documents. See Item 1.3 in this Section for Substitution Request requirements.
- F. Begin no fabrication or construction activity that requires submittals until return of submittals with Architect's stamp and initials or signature indicating finish review.
- G. After Architect's final review, distribute copies.
- H. Provide submittals within the following time periods and as required for the orderly progress of the work. Where no time period is established, provide submittals no later than the midpoint between notice of award and scheduled start date of the work related to the submittal. Where submittals are not submitted within specified limits, the Architect may delay certification of Payment Request until submittals are received.
 - 1. Concrete, including Mix Designs: No later than 14 days after Notice to Proceed.
 - 2. Asphalt Paving, including Mix Designs: No later than 14 days after Notice to Proceed.
 - 3. Aggregate Base: No later than 14 days after Notice to Proceed.
 - 4. Mortar and Grout, including Mix Designs: No later than 14 days after Notice to Proceed.
 - 5. Concrete Masonry Units and related items: No later than 14 days after Notice to Proceed.
 - 6. Structural Steel: No later than 14 days after Notice to Proceed and as specified in Division 05.
 - 7. Metal Decking: No later than 14 days after Notice to Proceed and as specified in Division 05.
 - 8. Architectural Casework: No later than 60 days after Notice to Proceed.

9. Firestopping: No later than 60 days after Notice to Proceed.
 10. Roofing and Sheet Metal: No later than 60 days after Notice to Proceed.
 11. Doors, Door and Window Frames: No later than 60 days after Notice to Proceed.
 12. Door Hardware: No later than 60 days after Notice to Proceed. In addition, provide Owner required keying information no later than 30 days before scheduled occupancy date. Coordinate all keying requirements with Owner.
 13. All HVAC, Fire Protection, Plumbing and Electrical Fixtures, Products and Equipment: No later than 60 days after Notice to Proceed.
- I. The Architect's action will be taken within a reasonable time period, while allowing sufficient time, in the Architect's professional judgment, to permit adequate review.
- J. Transmit each submittal separately with Architect accepted form.
1. Combine required material for a single specification Section into a single submittal. Incomplete or partial submittals will be returned without action for re-submittal in proper form.
 2. Do not combine data from more than one specification section or drawing component into a single submittal. Such submittals received will be returned without action for re-submittal in proper form.
 3. Submittals not reviewed by General Contractor will be returned without action for proper review and re-submittal.
 4. Unless otherwise specified, submit product data in quantity required by Contractor for construction, plus three copies for Architect's use. Architect will review a maximum of six (6) copies of submittal.
- K. Sequentially number the transmittal forms. Re-submittals to have original number with an alphabetic or numeric suffix.
- L. Identify Project, Contractor, Subcontractor or supplier; pertinent Drawing sheet and detail number(s), and specification Section number, as appropriate.
- M. Apply Contractor's stamp, signed or initialed certifying that review, verification of Products required, field dimensions, adjacent construction Work, and coordination of information, is in accordance with the requirements of the Work and Contract Documents.
- N. Schedule submittals to expedite the Project, and deliver to Architect at business address. Coordinate submission of related items.
- O. Identify variations from Contract Documents and Product or system limitations which may be detrimental to successful performance of the completed Work.
1. Clearly identify, with bold clouding, or other graphic notation, all deviations from Contract Documents. Provide boxed note at clouded deviation specifically requesting approval of proposed change. Provide documentation of proposed change, including additional graphics and data as required by Architect.

1.13 ARCHITECT RESPONSIBILITIES

A. Architect will review each submittal, mark with "Action" and where possible, return within a reasonable period of time from date of receipt. Where submittal must be held for coordination, Contractor will be so advised without delay. Action markings shall be interpreted as shown in the Architect’s submittal review stamp shown below (or similar review stamp):

<input type="checkbox"/>	REVIEWED – NO EXCEPTIONS TAKEN	<input type="checkbox"/>	MAKE CORRECTIONS NOTED
<input type="checkbox"/>	REJECTED	<input type="checkbox"/>	REVISE AND RESUBMIT
<input type="checkbox"/>	SUBMIT SPECIFIED ITEM	<input type="checkbox"/>	RETURNED WITHOUT REVIEW

This review is only for general conformance with the design concept of the project and general compliance with the information given in the Contract Documents. Corrections or comments made on the shop drawings/submittal during this review do not relieve the Contractor from compliance with all of the requirements of the plans and specifications. Review of a specific item shall not include approval of an assembly of which the item is a component. Contractor is responsible for: dimensions to be confirmed and correlated at the job site; information that pertains solely to the fabrication processes or to the means, methods, techniques, sequences and procedures of construction; coordination of, and with, the Work of all trades; and for performing all work in a safe and satisfactory manner.

DATE: _____ BY: _____

- B. Architect shall comply with previous provisions in this Section, as described herein
- C. See Section 01 25 00, “Substitution Procedures”, for Architect responsibilities for substitution requests.

1.14 DEFERRED APPROVALS

- A. Where shown on drawings and as specified in individual sections, submit documentation as required to obtain DSA approval of all deferred approval work.
- B. Submit deferred approval documentation under the provisions of Section 01 33 00 and as specified in the respective Sections.
 - 1. DSA Comply with the requirements of Section 4-317(g), Chapter 4, Part 1, Title 24, CCR.
 - 2. Submit documentation prepared under the direct supervision of a California licensed Engineer in the applicable discipline. All structural deferred approvals shall be prepared by California licensed Structural Engineer.
 - a. Provide Deferred Approval Number and DSA Project Number on the cover of each submittal.
 - b. Provide document format with sufficient space for Architect and DSA/OSHPD agency review stamps.
 - 3. All deferred approvals shall be stamped and sealed by the responsible engineer, licensed as specified. In accordance with DSA Section 4-317(g), Part 1, Title 24, CCR. Architect will review and mark with notation indicating that the deferred submittal documents have been reviewed and that they have been found to be in general conformance with the design of the project.
 - 4. Clearly identify all deviations and proposed alternates to materials and systems shown on drawings and specified in this Project Manual.
 - 5. Drawings: Produce drawings on substantial bond paper using media of archive quality. Indicate dimensional locations of the various parts of the construction, sizes and type of members, connections, attachments, and openings.
 - 6. Specifications: Provide specifications in an approved format illustrating materials and systems proposed for use in design.
 - 7. Structural Calculations: Produce calculations in booklet form, 8-1/2 x 11 inch size, minimum of 3 wet signed and sealed copies.
 - 8. Provide sufficient information with respect to design criteria, analysis methodology and material capacity to adequately evaluate documentation for compliance with applicable sections of Title 24, CCR.
 - 9. Where required by DSA 4-336, provide verified reports for work done under deferred approvals.

1.15 ELECTRONIC DOCUMENTS FOR CONTRACTOR'S USE.

- 1. At Architect's sole discretion, and upon request, Architect will provide a file containing selected electronic file backgrounds for Contractor's use in shop drawing preparation.
- 2. Contractor shall sign Architect provided release form regarding such electronic file information.

3. Electronic files will be provided in AutoCAD format, in the Architects current version, as background views only, without dimensions, doors, notes and similar information. No seals, title blocks or approval stamps will be included on backgrounds.
4. Unless otherwise established, and at Architects sole discretion, only plan and section views of architectural, structural, mechanical, and electrical documents will be provided. Under no circumstances will the complete project AutoCAD file be provided.
5. The Architect will provide a single Flash Drive based file containing backgrounds for all discipline for the contractors use. Contractor shall be responsible for distribution of background files to subcontractors and vendors.
6. The Architect will prepare a cost for preparation of electronic file package. If the Contractor agrees to such cost, the cost will be processed as a deductive change order to the contract.

PART 2 - PRODUCTS

- A. NOT USED

PART 3 - EXECUTION

- A. NOT USED

END OF SECTION

SECTION 01 42 29
REFERENCE STANDARDS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Reference Standards
 - 1. Definitions
 - 2. Quality Assurance
 - 3. Standards and Regulations
 - 4. Schedule of References
 - 5. Project Manual and Specifications
 - 6. Jobsite Publications

1.2 DEFINITIONS

- A. General: Basic Contract definitions are included in the Conditions of the Contract.
- B. "Approved": The term "approved," when used in conjunction with Architect's action on Contractor's submittals, applications, and requests, is limited to Architect's duties and responsibilities as stated in the Conditions of the Contract.
- C. "Directed": Terms such as "directed," "requested," "authorized," "selected," "approved," "required," and "permitted" mean directed by Architect, requested by Architect, and similar phrases.
- D. The term "experienced," when used with the term "installer," means having successfully completed a minimum of five [5] previous projects similar in size and scope to this Project; being familiar with the special requirements indicated; and having complied with requirements of authorities having jurisdiction.
 - 1. Using a term such as "carpentry" does not imply that certain construction activities must be performed by accredited or unionized individuals of a corresponding generic name, such as "carpenter." It also does not imply that requirements specified apply exclusively to tradespeople of the corresponding generic name.
- E. "Furnish": The term "furnish" means to supply and deliver to Project site, ready for unloading, unpacking, assembly, installation, and similar operations.

- F. "Indicated": The term "indicated" refers to graphic representations, notes, or schedules on Drawings; or to other paragraphs or schedules in Specifications and similar requirements in the Contract Documents. Terms such as "shown," "noted," "scheduled," and "specified" are used to help the user locate the reference.
- G. "Install": The term "install" describes operations at Project site including unloading, temporary storage, unpacking, assembling, erecting, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations.
- H. "Installer": An installer is Contractor or another entity engaged by Contractor, as an employee, subcontractor, or contractor of lower tier, to perform a particular construction operation, including installation, erection, application, and similar operations.
- I. "Provide": The term "provide" means to furnish and install, complete and ready for the intended use.
- J. "Project Site": Space available for performing construction activities. The extent of Project site is shown on Drawings and may or may not be identical with the description of the land on which Project is to be built.
- K. "Regulations": The term "regulations" includes laws, ordinances, statutes, and lawful orders issued by authorities having jurisdiction, as well as rules, conventions, and agreements within the construction industry that control performance of the Work.

1.3 QUALITY ASSURANCE

- A. For products or workmanship specified by association, trade, or Federal Standards, comply with requirements of the standard, except when more rigid requirements are specified or are required by applicable codes.
- B. Conform to reference standard by date of issue current on date of Contract Documents unless specifically noted.
- C. Obtain copies of standards when required by Contract Documents directly from publication source.
- D. Maintain copy at jobsite during submittals, planning, and progress of the specific work, until Substantial Completion.
- E. Should specified reference standards conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- F. The contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or inference otherwise in any reference document.
- G. Schedule of references is general in nature; disregard any reference standard listed that is not applicable to this project.

1.4 STANDARDS AND REGULATIONS

- A. Applicability of Standards: Unless the Contract Documents or applicable regulatory requirements include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.
1. The contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or inference otherwise in any reference document.
 2. Referenced standards take precedence over standards that are not referenced but recognized in the construction industry as applicable.
 3. Non-referenced standards are not directly applicable to the Work, except as a general requirement of whether the Work complies with recognized construction industry standards.
 4. Non-referenced standards: Except as otherwise limited by the Contract Documents, standards not referenced but recognized in the industry as applicable will be evaluated for performance of the Work. The Architect will decide whether a code or standard is applicable, or which of several are applicable.
- B. Publication Dates: Conform to reference standard by date of issue current on date of project approval by DSA, or date specified in Product Sections.
- C. Conflicting Requirements: Where compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement. Refer uncertainties and requirements that are different, but apparently equal, to Architect for a decision before proceeding.
1. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of the requirements. Refer uncertainties to Architect for a decision before proceeding.
- D. Copies of Standards: Each entity engaged in construction on Project must be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents.
1. Obtain copies directly from the publication source when required by Contract Documents.
 2. Although copies of standards needed for enforcement of requirements may be part of required submittals, the Architect reserves the right to require the Contractor to submit additional copies as necessary for use by others in the enforcement of requirements.
- E. Abbreviations and Acronyms for Industry Organizations: Where abbreviations and acronyms are used in Contract Documents, they shall mean the recognized name of the entities indicated in Gale Research's "Encyclopedia of Associations" or in Columbia Books' "National Trade & Professional Associations of the United States". Contact Architect regarding any questions regarding such abbreviations and acronyms.
- F. Abbreviations and Acronyms for Standards and Regulations: Where abbreviations and

acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the standards and regulations in the following list.

1. ADA Americans with Disabilities Act (ADA)
2. ABA Architectural Barriers Act (ABA)
3. CFR Code of Federal Regulations
4. CRD Handbook for Concrete and Cement
5. DOD Department of Defense Military Specifications and Standards
6. DSA Division of the State Architect
7. FED-STD Federal Standard (See FS)
8. FS Federal Specification
9. FTMS Federal Test Method Standard (See FS)
10. ICC-ES ICC Evaluation Service, Inc.
11. MIL (See MILSPEC)
12. MIL-STD (See MILSPEC)
13. MILSPEC Military Specification and Standards
14. NES National Evaluation Service (See ICC-ES)
15. UFAS Uniform Federal Accessibility Standards

G. Schedule of Governing Codes:

1. California Code of Regulations (C.C.R.)
 - a. C.C.R. - Title 24, Part 1 – 2019 Building Standards Administrative Code.
 - b. 2019 CBC: 2018 IBC as Amended by 2019 California Amendments – C.C.R., Title 24, Parts 1 & 2
 - c. 2016 CEC: 2017 NEC as Amended by California 2019 Amendments - Part 3, Title 24, CCR
 - d. 2019 CMC: 2018 UMC as Amended by California 2016 Amendments - Part 4, Title 24, CCR
 - e. 2019 CPC: 2018 UPC as Amended by California 2016 Amendments - Part 5, Title 24, CCR
 - f. C.C.R. - Title 24, Part 6 - 2019 California Energy Standards
 - g. 2019 CFC: 2018 IFC as Amended by California 2016 Amendments, Part 9 - Title 24, CCR.

- h. C.C.R. – Title 24, Part 11, 2016 California Green Building Standards Code
 - i. C.C.R. - Title 24, Part 12, 2016 California Referenced Standards Code
 - j. C.C.R. – Title 19
 - k. C.C.R. – Title 22, Social Security, latest register.
- 2. NFPA 101 - Life Safety Code.
 - 3. NFPA 72 – National Fire Alarm Code (California Amended) 2016 Edition.
 - 4. American Disability Act (ADA) or American Disability Act 2010 Standards
 - 5. Standard Specifications for Public Works Constructions.

1.5 SCHEDULE OF REFERENCES

- A. Industry Organizations: Where abbreviations and acronyms are used in Specifications or other Contract Documents, they shall mean the recognized name of the entities listed in the 2016 California Building Code Title 24, Part 2, Chapter 35.

1.6 PROJECT MANUAL AND SPECIFICATIONS

A. Format and structure

- 1. Specifications are organized into Divisions and Sections based on the Construction Specifications Institute’s 49-Division format and 2018 Masterformat numbering system.
- 2. The sections are placed in the Project Manual in numeric sequence; however, this sequence is not complete and the Table of Contents of the specifications must be consulted to determine the total listing of sections.
- 3. The section title is not intended to limit the meaning or content of the section, nor to be fully descriptive of the requirements specified within the Section.
- 4. The organization of the specifications shall not control the division of the work among subcontractors or establish the extent of work to be performed by any trade.

B. Definitions

- 1. Related Work Described Elsewhere: The caption "Related Sections" or "Related Work Described Elsewhere" identifies some Sections of the Specifications which may involve work involving coordination or general relationships to the work of the Section at hand. The omission of a Section from "Related Sections: or ""Related Work Described Elsewhere" does not limit the Contractors obligation to perform all portions of the Work with all appropriate and reasonable coordination.
- 2. Section Includes: The caption "Section Includes" or "Description" or “Summary” paragraph is intended to be a broad, general statement of the work covered by an individual section. The listing of principal items of work shall not be construed as an exhaustive or complete list.

C. Language

1. Specification Language and Intent: The words “the”, “shall”, “will”, and all may be omitted in specification Sections. Where such words as “perform”, “install”, “erect”, “test”, or words of similar import are used, it shall be understood such words include the meaning of the phrase, “The Contractor Shall”. The requirements indicated and specified apply to all work of the same kind, class, and type, even though the word “all” is not stated.
2. Specifications use certain conventions regarding style of language and the intended meaning of certain terms, words, and phrases when used in particular situations or circumstances. These conventions are:
 - a. Language used in Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words that are implied, but not stated, shall be interpolated as the sense requires. Singular words shall be interpreted as plural and plural words interpreted as singular where applicable to maintain the context of the Contract Document indicated.
 - b. Imperative and streamlined language is generally used in the Specifications. Requirements expressed in the imperative mode are to be performed by the Contractor. Subjective language is used for clarity to describe responsibilities that must be fulfilled indirectly by the Contractor, or by others when so noted.
 - c. The words “shall be” are implied wherever a colon (:) is used within a sentence or phrase.

1.7 JOB-SITE PUBLICATIONS

- A. Contractor shall keep a copy of Title 24, Parts 1 through 5, at the jobsite at all times.

PART 2 - PRODUCTS

- A. NOT USED

PART 3 - EXECUTION

- A. NOT USED

END OF SECTION

SECTION 01 45 00
QUALITY CONTROL

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Quality Assurance and Control of Installation
- B. Independent Testing and Laboratory Services
- C. Inspection Services
- D. Contractor Responsibility For Structural Tests and Special Inspections
- E. Field Samples and Field Mockups
- F. Manufacturer's Field Services and Reports

1.2 QUALITY ASSURANCE AND CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, Products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect before proceeding.
- C. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or disfigurement.
- D. Comply with specified standards as a minimum quality for the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. The Division of the State Architect (DSA), will provide review per Section 4-334, Part 1, Title 24, CCR. Contractor shall verify with Owner that DSA has been notified prior to start of construction in compliance with section 4-331.
- F. The Owner will retain a general inspector to inspect all work performed by Contractor in compliance with Section 4-333 and 4-342 DSA, Section 7-144 and 7-145 OSHPD, Part 1, Title 24, CCR.
 - 1. The Owner will retain special inspectors for those portions of the work as shown on the drawings and specified in the respective sections in compliance with Part 2, Title 24, CCR.
- G. Perform work by persons qualified to produce workmanship of specified quality.

1.3 INDEPENDENT TESTING LABORATORY SERVICES

- A. Owner will employ and pay for services of a DSA approved independent testing laboratory to perform inspections, tests, and other services required by applicable codes and various Specification sections.
 - 1. Owner or Architect may also require independent testing of items where doubts exists that product or system conforms to Contract Documents.
 - a. Contractor shall employ and pay for testing laboratory under above circumstances.
- B. Services shall be performed in accordance with requirements of governing authorities and with specified standards.
- C. Reports will be submitted to Owner and Architect in duplicate giving observations and results of tests, indicating compliance or non-compliance with specified standards and with Contract Documents.
 - 1. Where required, testing laboratory will submit copy of test results directly to enforcing agency.
- D. Contractor shall cooperate with testing laboratory personnel; furnish tools, samples of materials, design mix, equipment, storage and assistance as requested.
 - 1. Notify Owner, Architect and testing laboratory sufficiently in advance of expected time for operations requiring testing services.
- E. See Section 01 45 29, "Testing Laboratory Services" for specific requirements.

1.4 INSPECTION SERVICES

- A. Owner will employ and pay for services of a DSA certified project inspector, approved by the Division of the State Architect, to provide continuous, full time inspection of the project per CCR Title 24, Part 1, 2019 California Administrative Code (CAC), Section 4-333. The duties of the inspector are defined in CAC Section 4-342.
 - 1. Notify Architect and Inspector 48 hours prior to expected time for operations requiring specific inspection.
 - 2. Make arrangements with independent firm and pay for additional samples and tests required for Contractor's use.
 - 3. See Section 01 45 29, "Testing Laboratory Services" for specific requirements.

1.5 CONTRACTOR RESPONSIBILITY FOR STRUCTURAL TESTS AND SPECIAL INSPECTIONS

- A. Each Contractor responsible for the construction of a main wind-or seismic-force-resisting system, designated seismic system or a wind- or seismic-resisting-component listed in the statement of special inspections shall submit a statement of responsibility to the Architect and the Owner prior to commencement of work on the system or component. The Contractor's statement of responsibility shall contain the following:

1. Acknowledgment of awareness of the special requirements contained in the statement of special inspections;
2. Acknowledgment that control will be exercised to obtain conformance with the construction documents approved by the building official;
3. Procedures for exercising control within the Contractor's organization, the method and frequency of reporting and the distribution of the reports;
4. Identification and qualifications of the person(s) exercising such control and their position(s) in the organization.

1.6 FIELD SAMPLES AND FIELD MOCK-UPS

- A. Erect field samples and field mock-ups at locations on site as approved in advance and in accordance with requirements where included in Specifications section.
- B. Acceptable samples represent a quality level for the Work.
- C. Remove field sample or mock-up when specified in individual Sections.
- D. Test mock-ups requiring special equipment may be erected at location having access to necessary equipment; coordinate with Architect.
- E. Field samples and mock-ups not approved and not capable of being acceptably revised shall be removed from site.
- F. Approved field samples and mock-ups may be used as part of Project, only if specifically noted in individual specification Sections.
- G. For all approved sample submittals, such as color selections, material, finish or texture samples maintain those samples in the field office for Owner and Architect reference and comparison to field-installed work.

1.7 MANUFACTURER'S FIELD SERVICES AND REPORTS

- A. When specified in individual specification Sections, require material or Product suppliers or manufacturers provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start - up of equipment, test, adjust, and balance of equipment as applicable, and to initiate instructions when necessary.
 1. Observe field conditions, including conditions of surfaces and installation.
 2. Observe quality of workmanship.
 3. Provide recommendations to assure acceptable installation and workmanship.
 4. Where required, start, test, and adjust equipment as applicable.
- B. Representative shall submit written report to Architect or Owner listing observations, recommendations, site decisions or instructions given to applicators or installers that are

supplemental or contrary to manufacturers' written instructions.

- C. Submit reports within 5 days of observation.

PART 2 - PRODUCTS

- A. NOT USED

PART 3 - EXECUTION

- A. NOT USED

END OF SECTION

SECTION 01 45 29

TESTING LABORATORY SERVICES—Not Applicable

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Selection and Payment
- B. Quality Assurance
- C. Laboratory Responsibilities
- D. Laboratory Reports
- E. Limits on Testing Laboratory Authority.
- F. Contractor Responsibilities
- G. Additional Tests
- H. Schedule of Tests and Inspections

1.2 REFERENCES

- A. Title 24, CCR, All parts, current editions, as applies.
- B. ASTM D3740 - Standard Practice for Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction
- C. ASTM E329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
- D. American Concrete Institute (ACI)
- E. American Welding Society – AWS QC1 - Specification for AWS Certification of Welding Inspectors

1.3 SELECTION AND PAYMENT

- A. Owner will employ and pay for services of an independent LEA accepted testing laboratory, approved by DSA, to perform specified inspection and testing as specified in this Section and CCR Title 24, Part 1, 2019 California Administrative Code, Sections 4-333, 4-335, 4-336 and 4-339.
 - 1. Unless specified as the Owner's responsibility, all other testing, mix design preparation and related quality control and certification requirements shall be paid by the Contractor at no additional cost to Owner.

2. All concrete mix designs shall be prepared at Contractor's cost and in compliance with Section 03 30 00, "Cast-In-Place Concrete" and 32 13 13, "Concrete Paving".
 3. All grout and mortar mix designs shall be prepared at Contractor's cost and in compliance with Section 04 05 13' "Masonry Mortaring".
 4. All asphalt concrete mix designs and aggregate base course shall be prepared at Contractor's cost and in compliance with 32 11 23, "Aggregate Base Courses" and Section 32 12 16, "Asphalt Paving and Striping".
- B. Only DSA, local legally constituted public authorities having jurisdiction over the Work, the Architect, and the Owner or their designated representatives shall be authorized to direct testing and inspection to determine compliance or non-compliance to the requirements of the Work.
- C. The Contractor shall reimburse the Owner, through Contract adjustment, for inspection and testing costs caused by the following Contractor actions:
1. All testing costs incurred after initial test established non-conformance with contract requirements.
 2. Inspection costs caused by Contractor's scheduling of work requiring inspections of less than 4 hours duration.
 3. Inspection costs caused by Contractor's failure to complete work requiring inspection within the scheduled duration period shown on Contractor's initial construction schedule.
 4. Inspection costs caused by Contractor's failure to order sufficient or required quantity of material.
 5. Inspection costs of items repaired following damage caused by Contractor.
 6. Inspection costs caused by Contractor's substitution of material, system or process, where such inspection and testing is required by the Architect, Owner or jurisdictional authority to demonstrate compliance with specified criteria.
 7. Inspection costs caused by Contractor's use of batch plant that does not comply with criteria waiving batch plant inspection.
 8. Inspection costs caused by Contractor's use of a supplier or subcontractor requiring inspection services to be performed at a location exceeding a 100 mile radius of project site.
 9. Inspection costs caused by Contractor's failure to complete work within normal hours and days, requiring overtime costs.

1.4 QUALITY ASSURANCE

- A. Comply with requirements of ASTM E329 and ASTM D3740.
- B. Laboratory: Authorized to operate in State in which Project is located, and currently approved by DSA (LEA).

- C. Laboratory Staff: Maintain a full-time registered Engineer or approved technician on staff to review services.
- D. Testing Equipment: Calibrated at reasonable intervals with devices of an accuracy traceable to either National Bureau of Standards (NBS) Standards or accepted values of natural physical constants.
- E. Tests and inspections shall be conducted in accordance with the requirements of the Specifications or, if not specified, in accordance with the latest standards of ASTM, ACI or other recognized authorities.
- F. Welding Inspectors shall be certified in accordance with AWS QC1 Standard for AWS Certification of Welding Inspectors.

1.5 LABORATORY RESPONSIBILITIES

- A. Test samples of mixes submitted by Contractor.
- B. Provide qualified personnel at site. Cooperate with Architect, Inspector of Record and Contractor in performance of services.
- C. Perform specified inspection, sampling, and testing of Products in accordance with specified standards.
- D. Ascertain compliance of materials and mixes with requirements of Contract Documents.
- E. Promptly notify Architect, Inspector of Record and Contractor of observed irregularities or non-conformance of Work or Products. Such nonconforming items shall not be incorporated in the finished Work unless specifically approved by Architect.
- F. Perform special inspections for areas of work as shown on drawings and specified in respective sections of the specifications in compliance with CCR Title 24, Part 1, 2019 California Administrative Code, Section 4-335 and DSA Form 3, "Structural Tests and Inspections" and as indicated in the Structural Drawings.
- G. Perform additional inspections and tests required by Architect.
- H. Attend preconstruction conferences and progress meetings, as required and requested.

1.6 LABORATORY REPORTS

- A. After each inspection and test, promptly submit copies of DSA-required laboratory report to Architect, Structural Engineer, Contractor, Owner, Project Inspector, DSA, and other parties as required by referenced sections and applicable regulations.
- B. Include:
 - 1. Date issued.
 - 2. Project title, JKAE project number and DSA File Number and Application Number.

3. Name of inspector.
 4. Date and time of sampling or inspection.
 5. Method of obtaining sample.
 6. Identification of product and specifications Section.
 7. Location in the Project.
 8. Type of inspection or test.
 9. Date of test.
 10. Results of tests.
 11. Conformance with Contract Documents.
 12. Indicate samples taken but not tested.
- C. When requested by Architect, provide interpretation of test results.
- D. Testing agency shall provide verified reports in compliance with CCR Title 24, Part 1, 2019 California Administrative Code, Section 4-336.
1. Provide such reports in duplicate, on approved form.
 2. Provide reports each time work on the project is suspended and at completion of project.
 3. Reports shall document actions taken, tests made, and other aspects of the construction operations for the period prescribed.
- E. In addition, Testing Agency shall provide semi-monthly reports as required by CCR Title 24, Part 1, 2019 California Administrative Code, Section 4-337.

1.7 LIMITS ON TESTING LABORATORY AUTHORITY

- A. Laboratory may not release, revoke, alter, or enlarge on requirements of Contract Documents.
- B. Laboratory may not approve or accept any portion of the Work.
- C. Laboratory may not assume any duties of Contractor.
- D. Laboratory has no authority to stop the Work.

1.8 CONTRACTOR RESPONSIBILITIES

- A. Deliver or make available to laboratory at designated location, adequate samples of materials proposed to be used which require testing, along with proposed mix designs.

- B. Do not incorporate material or products requiring compliance with specified testing and inspection criteria without receiving documentation of compliance from approved agency.
- C. Cooperate with laboratory personnel and provide access to the Work and to manufacturer's facilities.
- D. Provide incidental labor and facilities to provide access to Work to be tested, to assist testing laboratory in obtaining and handling samples, to obtain and handle samples at the site or at source of Products to be tested, to facilitate tests and inspections, storage and curing of test samples.
 - 1. Upon completion of inspection, testing, sample taking and similar services, repair damaged construction and restore substrates and finishes.
 - 2. Comply with requirements of Section 01 35 16, "Alteration Project Procedures" and Section 01 73 29, "Cutting and Patching".
 - 3. Protect construction exposed by or for quality-control service activities and protect repaired construction.
 - 4. Repair and protection is Contractor's responsibility, regardless of the assignment of responsibility for inspection, testing, or similar services.
- E. Contractor shall prepare integrated schedule for the course of construction showing all required inspection and testing. Determine the time required for the laboratory to perform testing and to issue reports and findings. Provide all required testing and inspection time within the construction schedule.
 - 1. Notify Architect, Project Inspector and laboratory minimum 48 hours prior to expected time for operations requiring inspection and testing services.
 - 2. Coordinate the sequence of activities to accommodate required services with a minimum of delay. Coordinate activities to avoid the necessity of removing and replacing construction to accommodate inspections and tests.
- F. Notify the Owner's representative a sufficient time in advance of the manufacture or material to be supplied by Owner under the Contract Documents, which must by terms of the Contract be tested, in order that the Owner may arrange for testing at the source of supply.

1.9 ADDITIONAL TESTS

- A. The Architect reserves the right to require additional tests to those specified, or upon materials not herein specified for testing.
- B. If the results of any test disclose noncompliance with the Drawings or requirements of the Specifications, the Architect reserves the right to require additional tests at the expense of the Contractor.
- C. The Contractor shall compensate the Architect or Engineers, at their standard hourly rates, for any additional services provided to analyze or justify non-compliant test results caused by substitutions, materials other than those specified or poor workmanship.

1.10 SCHEDULE OF TESTS AND INSPECTIONS

- A. Test and inspection list as approved by the Division of the State Architect, per DSA Form 103, “Structural Tests and Inspections” and as indicated in the Structural Drawings.

PART 2 - PRODUCTS

- A. NOT USED

PART 3 - EXECUTION

- A. NOT USED

END OF SECTION

SECTION 01 50 00

TEMPORARY FACILITIES AND CONTROLS—NOT APPLICABLE

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Temporary Utilities, including: Electricity, Lighting, Heating and Ventilation, Telephone/Copy/Data Services, Water Service, Sanitary Sewer Service and Removal of Utilities, Facilities and Controls
- B. Protection of Installed Work
- C. Parking, Traffic Control, Access Roads and Noise Pollution Control
- D. Barriers and Fencing
- E. Tree Protection
- F. Progress Cleaning
- G. Field Offices and Storage Facilities
- H. Record Documents
- I. Documentation of Existing Conditions
- J. Security
- K. Project Identification and Signage
- L. Storm Water Control (reference to related section)
- M. Use of Elevators
- N. Use of Explosives

1.2 TEMPORARY ELECTRICITY

- A. Provide electrical service required for construction operations, with branch wiring and distribution boxes located to allow service and lighting by means of construction-type power cords.
 - 1. Connect to existing power service unless specified otherwise. Power consumption shall not disrupt Owner's need for continuous service. Coordinate location of connection with Owner.
- B. Owner will pay cost of energy used. Exercise measures to conserve energy. OR Pay cost of all temporary electricity, including connection costs from point of connection designated by serving utility.

1. Provide all required disconnects, overcurrent protection devices, branch circuits, power cords, and outlets as required for the Work.
 2. Comply with NEMA, NECA and UL standards and regulations for temporary electric service. Install service in compliance with NFPA 70.
 3. Where approved by Architect, permanent convenience outlets may be used during construction.
- C. Provide temporary power service as required to implement the work under this contract, including where required, self-contained engine generators. Provide temporary power service in compliance with all applicable regulations for temporary power connections as required by serving utility. Coordinate location of temporary power sources, including poles, generators and disconnect panels, with Owner.
1. Provide self-contained engine generators of sufficient capacity to provide required service in the event power is not available to conduct school operations. Coordinate location of temporary generators, including poles, generators and disconnect panels, with Owner. Generators shall not be located within 50 feet of air intakes, doorways or operable windows. Provide engine generators with maximum muffler capacity to minimize noise in teaching areas.
 2. Maintain engine generator capacity on-site as required to accommodate potential power loss. In the event of power loss or inability to restore power after shutdown, implement engine generators as required to provide power for Owner operations. Comply with all required codes and regulations, including serving utility criteria for generator use.

1.3 TEMPORARY LIGHTING

- A. Contractor shall provide and maintain temporary lighting for all construction operations.
1. Existing permanent lighting fixtures may be utilized during construction, supplemented by temporary lighting as required or connect temporary lighting to existing power service.
 2. Power consumption shall not disrupt Owner's need for continuous service.
 3. Coordinate location of connection with owner.
 4. Owner will pay cost of energy used. Exercise measures to conserve energy.
 5. Provide all required disconnects, overcurrent protection devices, branch circuits, power cords, and outlets as required for the Work.
 6. Where approved by Architect, permanent convenience outlets may be used during construction.
 7. Provide adequate lighting for security of construction operations and storage areas.
 8. Provide all lighting required for safety and security of paths and areas affected by construction, including pedestrian walkways.

9. Provide and maintain, at all times, temporary lighting and exit light/path devices in corridor areas shall be provided as required by applicable codes.
10. Maintain lighting and provide routine repairs.

1.4 TEMPORARY HEAT AND VENTILATION

- A. Contractor shall provide temporary heating, ventilating and air conditioning (HVAC) systems as necessary for the drying out of the building, the proper installation of Work and materials, and the protection of Work and materials against injury from condensation, dampness and cold. Refer to all sections for temperature and material maintenance requirements, as they apply to specific materials.
 1. Ventilate enclosed areas to assist cure of materials, to dissipate humidity, and to prevent accumulation of dust, fumes, vapors, or gases.
 2. Where necessary to comply with requirements of this Section, provide ducted ventilation system.
 3. Use of permanent equipment for temporary construction heat and ventilation is prohibited without prior approval by Architect.
 4. All ductwork, vents and diffusers shall be completed sealed from construction.
 5. Contractor shall be responsible for replacement of equipment and other operational criteria.
 6. Utilize equipment as required to exhaust noxious fumes directly to the outside of the building at an approved location.
 7. Locate ventilation discharge point at an approved location, away from walkways, HVAC intakes, windows of occupied areas, and other similar locations.
 8. No internal combustion engines will be allowed within the building or within 50 feet of the building without prior written authorization from the Owner.
 9. Maintain temperatures as required by occupational safety regulations.

1.5 TELEPHONE/COPY/DATA SERVICE

- A. Provide, maintain and pay for telephone service and associated office equipment to field office and to Owners/Inspectors field office.
 1. Telephone service shall be in place at time of project mobilization.
 2. Provide two separate phone service lines, one for inspector's office and one for Owner's office, each providing private unlimited local calling service. Provide loud exterior bell, different in tone from Contractor's phone service.
 3. Provide two separate new answering machines or voicemail service, one for inspector's office and one for Owner's office. Answering machines/voicemail shall have remote message pickup feature.

4. Provide portable phone, pager, or similar device for use by Superintendent when away from field office.
 5. Provide, maintain and pay for xerographic copy machine, with 11 x 17 copy capability and enlargement and reduction capacity, able to scan up to 300 dpi to PDF format, with e-mail export capability, located in Contractors and Field Inspector's field offices.
- B. Provide, maintain and pay for internet data service to Contractor's and Field Inspector's field offices.
1. Provide separate internet service line for inspector's office. Service shall be high-speed cable. DSL is acceptable if no cable service is available.
 2. Coordinate with Owner and Project Inspector on all required connection protocols, including security. Modify service as required to comply with Owner requests. Provide data jack type and location as required by Owner.
 3. Data service shall be in place prior to start of construction.

1.6 TEMPORARY WATER SERVICE

- A. The Contractor shall provide and maintain and pay for suitable water source for construction operations, including cost of connection, temporary meters, distribution to point of use, and associated components. Provide temporary potable water service in compliance with all applicable regulations. The District will pay the cost of potable and irrigation water utilities. The Contractor shall manage water use to be at reasonable managed levels.
1. Provide and maintain connection to existing water service.
 2. Owner will pay cost of water used. Exercise measures to conserve water. OR Contractor shall provide, maintain, and pay for all temporary potable water piping as required to implement the work. Provide temporary potable water service in compliance with all applicable regulations. Coordinate location, including point of connection, with Architect.
 3. Provide non-potable water source for dust control and other construction operations as required by local jurisdictional authority regulations. Do not apply to any areas used by students or staff without Architects prior approval.
 4. Use of on-site existing water service for potable drinking water is acceptable. Coordinate point of connection with Owner.

1.7 TEMPORARY SANITARY FACILITIES

- A. Provide, maintain, and pay for all temporary toilet facilities as required to implement the work in compliance with all regulations, including CAL OSHA, and as specified.
1. Provide two toilet facilities at site, one each for male and female employees, or as required for all Contractor and subcontractor forces on each site, whichever is greater.
 2. In addition, provide lockable toilet facility for Architect and Inspector of Record exclusive use.

3. Locate toilet facilities as directed by Architect. Relocate when required by Architect.
 4. Maintain in a clean and sanitary condition at all times, with all required supplies.
- B. Use of existing toilet facilities, or toilets constructed as a part of this Contract, is prohibited.

1.8 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary utilities, equipment, facilities, and materials, prior to Final Application for Payment.
- B. Clean and repair damage caused by installation or use of temporary work.
- C. Restore existing facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition.

1.9 PROTECTION OF INSTALLED WORK

- A. Protect installed Work and provide special protection where specified in individual specification Sections.
- B. Provide temporary and removable protection for installed Products. Control activity in immediate work area to minimize damage.
- C. Provide protective coverings at walls, projections, jambs, sills, and soffits of openings.
- D. Provide and maintain all required dams, screens and collection systems necessary to prevent water used in interior demolition or construction operations from damaging adjacent areas.
- E. Take all means required to prevent damage to project, including interior areas, resulting from inclement weather, water, wind or other environmental impacts. Provide temporary coverings or enclosures as required for all roof and wall penetrations. Where moisture from condensation, rain or high winds is forecast or present, Contractor shall take all means to eliminate or prevent danger to the Work and to adjacent property, including covering unprotected surfaces, making all openings weather tight, removing loose materials, tools or equipment from exposed locations and removing or securing scaffolding.
- F. Provide, operate, and maintain pumping equipment required to remove water from the site, roof and interior flooded areas.

1.10 PARKING, TRAFFIC CONTROL, ACCESS ROADS AND NOISE POLLUTION CONTROL

- A. Parking:
 1. Contractor shall coordinate with the Owner all required on-site parking, as required for construction activities.
 - a. Coordinate location and number of parking spaces to be made available for Contractors forces with Owner.
 - b. Do not permit parking on adjacent public streets.

- c. Parking for workmen employed on the work may be provided on the site, when approved by the Owner, and to the extent that space for that purpose is available without interference with activities related to performance of the Work. Additional parking spaces required by the Contractor shall be secured at Contractors own expense.

B. Traffic Control:

1. Traffic maintenance: Prior to start of work, determine the routing of construction vehicles, and the safeguards and procedures necessary to carry out the work. Obtain the Owner's approval of the traffic routes, and for any removal, temporary relocation and reinstallation of traffic control signal. In addition:
 - a. Be responsible for controlling construction traffic within and adjacent to the site.
 - b. Provide entrances, lifts and safeguards required or necessary to the progress of the work, and effectively control such traffic to provide minimum hazard to the work and all persons.
 - c. Route construction equipment, trucks, and similar vehicles via existing public streets to and from the site as approved by the governing authorities.
 - d. Where construction traffic occurs when Owner personnel, students and staff are on site campus, provide "spotter" responsible for leading construction traffic through site campus areas.
 - e. Obtain and pay for permits and inspections made necessary by use of public street, sidewalks, curbs, and paving. Post guarantees and bonds that may be required, and repair and make good any damages thereto acceptable to the authorities having jurisdiction.
 - f. Construct and maintain temporary walks for pedestrians. Keep streets adjacent to the site open to vehicular and pedestrian traffic.
 - g. Maintain constant access for police, fire and ambulance service.
 - h. Provide and maintain for proper control of traffic and safety of all concerned. Provide all necessary barricades, suitable and sufficient lights, reflectors, and danger signals.
 - i. Provide warning and closure signs, directional and detour signs, and whatever additional measures are necessary.
 - j. Indicate on a 24-hour basis restricted and dangerous conditions existing on or adjacent to the site. Illuminate barricades, danger signals, warning signs and obstructions at night. Keep warning lights burning from sunset until sunrise.
 - k. Access Roads:
2. Contractor shall provide access roads as required for all construction activities.
 - a. Coordinate location of access roads to be used for construction activities with Owner.

- b. If required, construct and maintain temporary roads accessing public thoroughfares to serve construction area.
- c. Contractor shall maintain temporary access roads as required to implement the work under this contract, including currently developed access road.
- d. Extend and relocate as Work progress requires. Provide detours necessary for unimpeded traffic flow.
- e. Designated existing on-site roads may be used for construction traffic.
- f. Provide means of removing mud from vehicle wheels before entering streets. Coordinate requirements for mud removal with Section 01 57 23, "Temporary Storm Water Pollution Control", as required.
- g. Provide trench plates as required to resist traffic loads, including fire department vehicles.
- h. Where trench plates occur in pedestrian paths, install with transitions as required to comply with accessibility regulations.
- i. Maintain on-site fire protection facilities as required by applicable authorities and insurance requirements.
- j. Provide and maintain access to fire lanes and fire hydrants at all times, free of obstructions. Coordinate location, locking device and dimension of gates with fire department having jurisdiction.
- k. Provide and maintain access to fire hydrants, free of obstructions.
- l. Obtain Fire Marshal approval of all fire lanes used during construction and trench plate installations.
- m. Do not permit delivery trucks to block, park or wait on public streets.

3. Noise, Dust and Pollution Control:

- a. Provide materials and equipment necessary to comply with local requirements for noise, dust and pollution control.

1.11 BARRIERS AND FENCING

A. Barriers - Exterior:

- 1. Provide barriers to prevent unauthorized entry to construction areas, to allow for Owner's use of site, and to protect existing facilities and adjacent properties from damage from construction operations and demolition.

2. When regulated by codes, such legal requirements for protection shall be considered as minimum requirements. Provide protective measures in excess of such minimum requirements as specified or required.
 3. Provide barricades around excavations.
 4. Provide protection for all plant life designated to remain.
 - a. Replace damaged plant life with approved equivalent.
 - b. Erect tree protection within 3 days of mobilization. Enclose trees designated to remain with 2 x 4 wood frame. Install frame minimum 6 feet from trunk diameter, all sides. Provide 4x4 post supports, minimum 3 feet high, embedded 3 feet, at 3 foot on center maximum. Wrap frame with snow type fencing, in bright iridescent color visible at night.
 5. Protect non-owned vehicular traffic, stored materials, site and structures from damage.
- B. Barriers - Interior
1. After beneficial occupancy, and where required to permit Owners on-going operations, provide barriers as specified.
 - a. Construct barriers as metal framed/fire-resistive gypsum board fire resistive corridor construction, with self-closing, latching door assembly. Provide temporary partition and door assembly fire resistivity rating equal to the assembly being replaced. Close joints and seal edges at intersections with existing surfaces.
 - b. Use of sheet plastic dust barriers in place of rated assemblies is prohibited.
 2. Protect existing surfaces, equipment and furnishings from damage from construction operations and demolition. Where necessary, remove and store in separate area.
 3. Where demolition or construction operations generate fine dust or air-borne particulates, provide fire retardant drop cloths, screening or other approved barriers to prevent dust intrusion into existing cabinet interiors, equipment, drawers, and similar conditions.
 4. Provide contamination control mats at construction area access locations to prevent tracking of construction dust and dirt into Owner-occupied portion of building and elevator cars.
- C. Paint surfaces exposed to view from Owner-occupied areas with approved water based paint and in color as selected by Owner.
- D. Fencing and Gates:
1. Prior to starting construction, provide chain link fence around perimeter of work under this contract within 3 days of mobilization, including storage areas and each individual building, at locations as directed by Architect so as to provide for complete segregation of construction and Owner operations.
 - a. Submit detailed plan of fence, including gates, for review and approval by Architect and Owner. Show flow of construction traffic.

- b. Provide 6 or 8 foot high chain link fencing, with top rail and bottom wire. Provide fabric with selvedge edge and line posts at maximum 9 feet on center.
 - c. Equip fencing with gates with locks. Coordinate locking with Owner and Local Fire Marshal to allow for Owner and Fire Marshal access after hours.
 - d. Obtain Architect approval of embedment method at paving areas. Provide portable T-frame fencing panels with concrete base supports, where embedment is not possible.
 - e. Provide chain link fencing fabric and supports free of sags, breaks, rust and distortion.
 - f. Following Owners beneficial occupancy of portions of project, erect chain link fence at locations as approved by Architect to provide for complete segregation of construction and Owner operations.
2. Provide gates affording access as required by fire department having jurisdictional authority.
 3. Obtain and pay for required permits and inspections, if required.
 4. Protect against stored materials, dumping, chemically injurious materials, and puddling or continuous running water.
- E. Removal:
1. Remove construction fence and other related construction upon completion of Work, or sooner if so authorized by the Owner, or as required to maintain Project progress.

1.12 TREE PROTECTION

- a. No parking of vehicles will be allowed under trees.
- b. Provide barriers around trees and plants designated to remain; protect plants at their drip lines against vehicular traffic.

1.13 PROGRESS CLEANING

- A. Control accumulation of waste materials and rubbish; recycle or dispose of off-site.
- B. Maintain areas free of dust and other contaminants, waste materials, debris, and rubbish during finishing operations. Maintain site in a clean and orderly condition.
- C. Use cleaning materials which do not create hazards to health or property, and which will not damage surfaces. Use only those cleaning materials and methods recommended by manufacturer of the surface material to be cleaned. Use cleaning materials only on surfaces recommended by cleaning material manufacturer.
- D. Provide for all dumpsters, haul fees and dump charges as required. Do not use Owners collection facilities at any time.

- E. Remove waste materials, debris, and rubbish from interior spaces daily and deposit in approved dumpster location. Remove from site monthly or as needed. Dispose off-site in a legal manner.
 - a. Broom and vacuum clean interior areas prior to start of all surface finishing, including painting, and continue cleaning on an as-needed basis until painting and surface finishes are complete.
 - b. Clean interior areas prior to start of finish work, maintain areas free of dust and other contaminants during finishing operations.
 - c. Broom and vacuum clean interior areas prior to start of surface finishing and continue cleaning to eliminate dust.
 - d. Remove debris and rubbish from pipe chases, plenums, attics, crawl spaces, and other closed or remote spaces, prior to enclosing the space.
- F. Schedule operations so that dust and other contaminants resulting from cleaning procedures or construction operations will not fall on wet or newly coated surfaces.
- G. Maintain all public streets free of dust, mud, and debris as required by jurisdictional authority. Maintain parking lots, drives and walkways free of dust, mud and debris when Owner takes beneficial occupancy of a portion of project prior to final completion.
- H. Provide watering, dust palliative admixture or other methods as required to minimize dust generation during work. Where required by Owner, provide dust screen netting at property line temporary fencing.

1.14 TEMPORARY ENCLOSURES

- A. Provide temporary weather-tight closures for exterior openings for acceptable working conditions, for protection for materials, to protect interior materials from dampness, for temporary heating, and to prevent unauthorized entry.
- B. Provide doors with self-closing hardware and locks.
- C. Provide temporary partitions and ceilings as required to separate work areas from Owner occupied areas, to prevent penetration of dust and moisture into Owner occupied areas, and to prevent damage to existing materials and equipment.

1.15 FIELD OFFICES AND STORAGE FACILITIES

- A. Contractor and Inspector of Record Field Offices:
 - 1. Inspector Space: Provide separate office for District's Project Inspector.
 - 2. If existing facilities are available for use as a field office, coordinate with Owner the use and maintenance of existing interior space for field office purposes.
 - 3. If existing facilities are not available for field office use, provide and maintain a weatherproof and waterproof field office trailer, with lockable exterior access, for the Owner's, Architect's and Inspector's use, complying with the following criteria:

4. For Each Field Office:
 - a. Provide an office area, a minimum area of 120 square feet, with sufficient dimension to accommodate furniture as specified below.
 - b. Locate offices and sheds as directed by Owner and/or Architect.
 - c. Provide a 3x5 foot desk and a 3x6 foot lay out table, minimum.
 - d. Provide adequate heating and cooling, including air conditioning.
 - e. Provide overhead fluorescent lighting.
 - f. Provide separate phone service for inspector's exclusive use. Provide a data outlet.
 - g. Provide a 3x5 foot desk and a 3x6 foot lay out table, a 4 drawer file cabinet, and 2 office chairs. Provide plan rack suitable for 3 sets of 30 x 42 drawings in inspectors office.
 - h. Meeting Space: Provide adequate separate space for Project meetings with table and chairs to accommodate a minimum of six persons, with access with through 3 foot doorways.
 - i. Telephone Service: Provide telephone service to field office. Cellular service is acceptable. See Paragraph 1.5, this Section, for requirements.
 - j. Copier: Provide separate plain paper copier with enlargement and reduction capability.
 - k. Internet Service: Provide broadband internet service to field office.
 - l. Computer: Provide desktop computer system at Project field office with e-mail capacity and word processing system compatible with Architect's systems.
 - m. Digital Camera: Maintain operational digital camera on-site during construction along with software allowing transmission of digital pictures taken on-site via e-mail to Owner and Architect.
- B. Architect, Owner, and their representatives shall have free access to the Owners and Inspectors office at all times.
- C. All field offices shall remain the property of the Contractor and shall be removed from the site upon completion of the work.
- D. Storage Facilities:
 1. Provide weather-tight storage, with heat and ventilation for products requiring controlled conditions.
 2. Furnish, install and maintain tool cribs, sheds and storage units for the Contractors use as necessary for the proper execution of the work.
 3. Limit on-site storage to Project area.

4. Provide all necessary barricades, warning devices and enclosures required to protect and direct visitors and staff around tool and equipment located in passageways and corridors.
5. Return all small tools and secure in locked compartments or cribs at close of work day.
6. Safe-off or lock all equipment and large tools. Disable from malicious or accidental start-up and operation.
7. Storage facilities shall provide protection of all products from damage due to environmental conditions, abuse, or theft.
8. Requirements of regulatory agencies: Comply with requirements of regulatory agencies having jurisdiction. Obtain and apply for permits required by governing authorities.
9. Job Conditions: Locate temporary structures to avoid interference with Work. Relocate temporary structures as required by job progress.

1.16 RECORD DOCUMENTS:

- A. Contractor shall maintain, on site, one copy of the following contract documents, defined as the Record Job Set. Stamp set "RECORD JOB SET - DO NOT REMOVE". During the course of construction, use this set to record actual revisions to the Work.
 1. Construction Drawings.
 2. Project Manual/Specifications.
 3. Addenda.
 4. Change Orders and other Modifications to the Contract.
 5. Reviewed shop drawings, product data, and samples.
- B. Store Record Job Set separate from documents used for construction.
- C. Transfer information concurrent with construction progress. Record Job Sets will be reviewed at each Progress Meeting.
 1. Where Record Job Sets do not reflect actual field conditions, the Architect may delay certification of Payment Request until sets are updated to the Architects satisfaction.
 2. Record Job Set information reflecting engineering elevations, locations and alignments shall be prepared by competent staff experienced in surveying methods a licensed Land Surveyor or Civil Engineer, licensed in State where project is located.
 3. Cost of Record Job Set preparation shall be paid by Contractor at no additional cost to Owner.
 4. Cost of all civil engineering and surveying associated with Record Job Set preparation shall be paid by Contractor at no additional cost to Owner. Other than the payment for services related to work of this contract, the Civil Engineer or Surveyor shall have no financial or business relationship with Contractor.

- D. Specifications: Legibly mark and record at each Part 2 Product section description of actual Products installed, including the following:
1. Manufacturer's name and product model and number.
 2. Product substitutions or alternates utilized.
 3. Changes made by Addenda and Modifications.
- E. Recording Data: Legibly mark each item to record actual construction including:
1. Measured actual horizontal and vertical locations of underground utilities, sub-drains, services and appurtenances, to a tolerance of 2 inches plus/minus, referenced to permanent surface improvements. Include elevations of all water lines, utilities, sanitary and storm drain inverts and storm drain/sub-drain/canyon drain system outfalls.
 2. Field changes of dimension and detail, including alignments, gutter slopes, slope bank locations, drainage structures, and related site improvements.
 3. Earthwork Engineering Record Documents, consisting of actual field elevations of grading and earthwork, to a tolerance of 0.1 feet. The actual elevation of each elevation shown on drawings shall be recorded. In addition, provide actual elevations at 50 foot intervals along all finish grade contours as shown on drawings, including all grade breaks and the top and toe of all slopes.
 - a. Where actual field elevations exceed specified tolerances, correct field condition and re-survey prior to preparation of final Record Set.
 - b. Record actual elevation in a rectangular box directly above the elevation or contour shown on drawings, using red, permanent ink.
 4. Measured locations of internal utilities, services, and appurtenances concealed in construction, to a tolerance of 1 inch plus/minus, referenced to visible and accessible features of the Work.
 5. Field changes of major architectural features, such as door relocation, wall furring, field changes of dimension and detail, and material transitions.
 6. Details not on original Contract Drawings.
- F. Maintenance of Record Documents and Samples:
1. Store Record Documents and Samples in the field office apart from the Contract Documents used for construction. Do not use Project Record Documents for construction purposes. Maintain Record Documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to Project Record Documents for Architect's reference during normal working hours.

1.17 DOCUMENTATION OF EXISTING CONDITIONS

- A. Prior to beginning any alterations, including grading, wall demolition or fixture removal, prepare a record of existing improvements affected by the work of this contract, including but not limited to the following:

1. Off-site street and frontage improvements, identifying all evidence of existing settlement, cracking, and other signs of damage, distress or failure.
2. Condition of adjacent properties, including fencing, retaining walls, pools, paving, and structures. Clearly identify all evidence of existing settlement, cracking, alignment and other signs of damage, distress or failure.
3. Condition of landscaping, including canopy overhang, shrubbery and grass/groundcover. Clearly identify all evidence of existing trunk damage, grass compaction, crushed and broken shrubs and other signs of distress or failure.

B. Format

1. Prepare record document using digital color video, recorded on Flash Drive, and any other means of documentation necessary to describe existing condition.
2. Prepare digital color video at such scale and detail as required to document existing damage occurred prior to beginning work. If the record documents do not clearly show damage as a pre-existent condition, Contractor shall be responsible for repair or replacement of such damaged improvements.
3. Obtain Owners' Inspector of Record certification that documents were prepared prior to beginning construction. Deliver Flash Drive and associated documentation to Owner prior start of construction.

1.18 SECURITY

- A. Provide security and facilities as necessary to protect work and personnel from vandalism, unauthorized entry, theft, damage, or assault.
 1. Security Service: Contractor shall provide licensed and bonded on-site security service, approved by Owner, at all times the work is not being prosecuted, including nights, inclement weather, holidays and weekends. Such security service shall be responsible for maintaining the premises in a secure condition at all times, and shall include roaming tours and inspection of all work under construction. Owner reserves right to require replacement of service for non-performance.
- B. Within a 48 hour period, replace or repair, to specified condition Architect's satisfaction, all surfaces or items damaged by graffiti during course of construction.
- C. Where Owner has given approval to take fire detection system off-line, return system to active status at completion of work or end of each work period.
 1. Fire Safety During Construction: Comply with provisions of CCR, Title 24, 2019 California Fire Code, Chapter 33, "Fire Safety During Construction and Demolition", but not limited to, access roads, fire extinguisher and fire watch regulations.
 2. Coordinate all requirements for fire safety during construction with Fire Marshal.
- D. Where security or fire detection systems are disabled for any reason, including where Owner has given approval for such system shut down, provide fire watch or security guard service as directed by Owner and at no additional cost to the Owner.

- E. After beneficial occupancy by Owner, all Contractor staff, subcontractors and suppliers shall notify Owners administrative staff when on site and sign in and out with staff, as directed by Owner. Notify staff when work is completed or shut down for that work period.
1. Wear badges with photo identification, as directed by Owner, at all times. In addition, wear orange safety vests or other approved shirt design at all times, hard hats, etc. as required by occupational safety regulations.
 2. Do not enter staff rooms at any time without approval of staff.
 3. All Contractor's staff, subcontractors and suppliers shall avoid interaction, contact and communication with students. Under no circumstances shall Contractors staff, subcontractors and suppliers be in contact with patients/students without Owner staff present.
 4. All work, including work of subcontractors, shall be conducted under the observation of the Contractor's supervisory personnel complying with all required fingerprinting regulations.
- F. Remove all radio or other music generating devices operated sufficiently loud so as to be objectionable, as determined solely by the Owner, to neighbors, or Owner's operations.
3. Dogs and other pets are not permitted on site campus without prior approval by Owner.
 4. No smoking or use of any tobacco products is permitted on Owner's property.
 5. All Contractor staff, subcontractors and suppliers shall present a professional and civil manner to staff, visitors, neighbors and students. Use of language or behavior judged offensive, obscene or suggestive by the Owner is not permitted. Clothing that is suggestive, is marked with images that suggest or promote drug, alcohol or tobacco use, or represents behavior judged offensive, obscene or suggestive by the Owner is not permitted. Immediately remove from site campus any Contractor personnel exhibiting such behavior.
 6. Persons under the influence of or engaged in the use of drugs or controlled substances, as defined by Schedules I through V of Section 202 of the Controlled Substances Act and regulations defined at 21 CFR 1308 - 1308.15, shall be immediately removed from site campus.
 7. Use of alcoholic beverages is prohibited on site campus. Persons under the influence of or engaged in the use of alcoholic beverages shall be immediately removed from site campus.

1.19 STORM WATER CONTROL (NOT APPLICABLE)

- A. Contractor shall obtain all necessary permits, including preparation of engineering documentation, as required to comply with jurisdictional authority regulations regarding storm run-off and erosion control. Compliance with requirements of the federal Clean Water Act, associated State Water Resources Board and local regulations is specifically required. See Section 01 57 23, "Temporary Storm Water Pollution Control" for requirements.
- B. Dewatering:
1. Provide and operate drainage and pumping equipment; as required, to maintain excavations and site free of standing water.

1.20 PROJECT IDENTIFICATION AND SIGNAGE (NOT APPLICABLE)

- A. Provide 4 x 8 sign, constructed of marine grade plywood, mounted on wood frame construction with concrete footings. Provide professional sign painter quality painted design and message as approved by Architect.
- B. Message will include project identification, name of client, architect, and contractor, and miscellaneous data as determined by Architect.
- C. Install sign at location directed by Architect. Remove at end of project and deliver to Owner.
- D. No other signs are permitted except those noted in the Section and as required by law.

1.21 USE OF ELEVATORS (WHERE PROVIDED) (NOT APPLICABLE)

- A. Coordinate all use of all existing elevators for construction operations with Owner. Owner will designate specific elevators for use during construction period.
- B. Protect interior wall surfaces with pads and flooring with removable sheet goods.
- C. Remove protective pads and floor covering and vacuum clean interior after each period of use.

PART 2 - PRODUCTS

2.1 MATERIALS

- a. NOT USED

PART 3 - EXECUTION

- a. NOT USED

END OF SECTION

SECTION 01 60 00
PRODUCT REQUIREMENTS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Products
- B. Submittals
- C. Quality Assurance
- D. Delivery, Storage and Handling
- E. Protection After Installation
- F. Owner-Provided/Owner-Installed Work (OFOI)
- G. Owner-Provided/Contractor Installed Work (OFCI)

1.2 PRODUCTS

- A. Products: Means new material, machinery, components, equipment, fixtures and systems forming Work. Does not include machinery and equipment used for preparation, fabrication, conveying and erection of Work. Products may also include existing materials or components required for reuse.
- B. Comply with Specifications, referenced standards, and applicable codes and regulations as minimum requirements.
- C. Provide new materials except as specifically allowed by Contract Documents.
- D. Materials to be supplied in quantity within a Specification section shall be by one manufacturer, shall be the same, and shall be interchangeable.
- E. Provide equipment and systems composed of materials from a single manufacturer except where otherwise recommended by equipment or systems manufacturer or where otherwise indicated in Contract Documents.
- F. Do not use materials and equipment removed from existing premises, except as specifically permitted by Contract Documents.

1.3 SUBMITTALS

- A. Submittals: Provide submittals per Section 01 33 00, "Submittal Procedures".
 - 1. Submittal 01 60 00 A: Product List: Prior to submittal of second Request for Payment, submit to Architect complete list of major products that are proposed for installation, with name of manufacturer, trade name, and model.
 - a. Tabulate products by Specification number and title.
- B. Substitutions: Provide per Section 01 25 00, "Substitution Procedures"

1.4 QUALITY ASSURANCE

- A. Comply with industry standards and applicable codes except when more restrictive tolerances or

requirements indicate more rigid standards or precise workmanship.

- B. Comply with manufacturer's instructions.
- C. Perform work by persons qualified to produce workmanship of specified quality.
- D. Install products straight, true-to-line, and in correct relationship to adjacent materials, with hairline joints, free of rough, sharp and potentially hazardous edges.
- E. Secure products in place with positive anchorage devices designed and sized to withstand stresses, vibration, and racking.
 - 1. Seismic Anchors: Conform to code requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Transport products by methods to avoid product damage, deliver in undamaged condition in manufacturer's unopened containers or packaging.
- B. Promptly inspect shipments to assure that products comply with requirements, quantities are correct and products are undamaged.
- C. Provide equipment and personnel to handle products by methods to prevent soiling, disfigurement or damage.
- D. Store products in accordance with manufacturer's instructions, with seals and labels intact and legible.
- E. Store sensitive products in weather-tight enclosures; maintain within temperature and humidity ranges required by manufacturer's instructions.
- F. Cover products subject to deterioration with impervious sheet covering. Provide ventilation to avoid condensation.
- G. For exterior storage of fabricated products, place on sloped supports above ground and protect as necessary to prevent deterioration or damage to the product.
- H. Store loose granular materials on solid surfaces in a well-drained area; prevent mixing with foreign matter.
- I. Arrange storage to provide access for inspection; periodically inspect to assure products are undamaged and are maintained under required conditions.
- J. Provide equipment and personnel to handle products by methods to prevent soiling and prevent damage.
- K. Promptly inspect shipments to assure products comply with requirements, quantities are correct, and products are undamaged.
- L. Immediately remove from Project products damaged, wet, stained, and products with mold and products with mildew.
- M. Take special care to prevent absorbent products such as gypsum board and acoustical ceiling units from becoming wet.
- N. Store loose granular materials on solid flat surfaces in well drained area. Prevent mixing with foreign matter.
- O. Provide equipment and personnel to store products by methods to prevent soiling, disfigurement or damage.
- P. Arrange storage of products to permit access for inspection. Periodically inspect to ensure products are undamaged and are maintained under specified conditions.

- Q. When approved by the District's Representative, provide off site storage and protection in a bonded warehouse approved by District when site does not permit on site storage or protection at no cost to District.

1.6 PROTECTION AFTER INSTALLATION

- A. Protect installed products and control traffic in immediate area to prevent damage from subsequent operations.
- B. Provide protective covers at walls, projections, corners, jambs, sills and soffits in and adjacent to traffic areas.
- C. Cover walls and floors of elevator cabs, and jambs of cab doors, when elevators are used by construction personnel.
- D. Protect finished floors and stairs from dirt, wear and damage:
 - 1. Secure heavy sheet goods or similar protective materials in place, in areas subject to foot traffic.
 - 2. Lay planking or similar rigid materials in place, in areas subject to movement of heavy objects.
 - 3. Lay planking or similar grid materials in place in areas where storage of products will occur.
 - 4. Distribute loads of heavy stockpile materials, such as gypsum wall board, to prevent floor loading conditions in excess of loading capacity.
- E. Protect waterproofed and roofed surfaces:
 - 1. Restrict use of surfaces for traffic of any kind, and for storage of products.
 - 2. When an activity is mandatory, obtain recommendations for protection of surfaces from installer or manufacturer. Install protection and remove on completion of activity. Restrict use of adjacent unprotected areas.
- F. Restrict traffic of any kind across planted lawn and landscape areas.

1.7 OWNER-FURNISHED/OWNER-INSTALLED WORK (OFOI)

- A. Indicate in construction progress schedule Owner-Furnished/Owner-Installed items and schedule time for installation.
- B. Items indicated on Drawings as OFOI will be furnished by Owner (District) and installed by Owner (District).
- C. Work indicated as OFOI shall be performed under separate contract employees by Owner (District) at its discretion.
- D. Where work of this Contract adjoins or conflicts with OFOI, work, Contractor shall cooperate with Owner (District) and its employees in manner that will provide for reasonable and accurate completion of this Contract and work under separate contract.

1.8 OWNER-FURNISHED/CONTRACTOR-INSTALLED WORK (OFCI)

- A. Indicate in construction progress schedule Owner (District)-Furnished/Contractor-Installed items and schedule time for its installation.

- B. Contractor shall verify exact sizes and services required for each item of equipment indicated on Drawings or in project manual as OFCI and shall obtain from Owner (District) rough-in drawings, diagrams, setting templates and other necessary information to ensure proper mating of assemblies.
- C. Contractor shall receive at project site each item of equipment from Owner (District) and from that time on shall assume full responsibility for items and equipment until one year from date of Certified Completion.
- D. Contractor shall give District 15 days prior notice of requirements for delivery to site of all OFCI equipment.
- E. Contractor shall be responsible for receiving OFCI items and equipment and shall uncrate, inspect and notify Owner (District) in writing within 7 days of receiving said items or equipment of acceptance or rejection of items or equipment. Owner (District), after receiving notice, will take appropriate action to have items or equipment made acceptable for Contractor's use. Rejected items shall be carefully stored and protected from damage by Contractor until District takes appropriate action.
- F. Contractor shall be responsible for final placing, installation, connection, start-up, checking, testing and demonstrated satisfactory operation. Owner (District) will provide names of manufacturer's representatives, who shall assist the Contractor in checking, testing and demonstrating equipment.

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

SECTION 01 71 23
FIELD ENGINEERING—NOT APPLICABLE

PART 1 - GENERAL

1.1 SECTION INCLUDES:

- A. Field Engineering/Surveying – General Requirements
- B. Qualifications of Surveyor or Engineer
- C. Submittals
- D. Project Survey Requirements
- E. Survey Reference Points
- F. Horizontal and Vertical Controls
- G. Records

1.2 FIELD ENGINEERING/SURVEYING – GENERAL REQUIREMENTS

- A. Provide field engineering in accordance with the General Conditions and as specified.
- B. Provide field engineering as required to generate Record Drawing data as specified in Section 01 77 19, “Project Record Documents”.
- C. Provide licensed Civil Engineer, currently registered in California, and acceptable to the Architect. Where approved by jurisdictional authority and Architect, a licensed Land Surveyor may be acceptable.
- D. Maintain and protect all control datum and reference points established by Owner's survey.
- E. Provide field engineering services as required to implement the work in accordance with industry standards and specified tolerances. Establish elevations, lines, and levels, utilizing recognized engineering survey practices.

1.3 QUALIFICATIONS OF SURVEYOR OR ENGINEER

- A. Qualified California registered professional engineer or registered land surveyor, acceptable to Architect.
- B. Registered professional engineer of discipline required for specific service on Project, licensed in State of California.

1.4 SUBMITTALS

- A. Submittals: Provide submittals per Section 01 33 00, “Submittal Procedures”.
- B. Submit name, address, and license of surveyor and professional engineer to Architect, via the Construction Manager

1.5 PROJECT SURVEY REQUIREMENTS

- A. Prior to the start of work, Contractor shall review and verify the existing horizontal and vertical controls as provided in the Contract Documents. Any discrepancies are to be reported to the Architect.
 - 1. Provide the same review and verification for all underground utilities.
- B. Establish and safeguard minimum of two permanent benchmarks on project site, referenced to data established by survey reference points. Record locations, with horizontal and vertical data, on Project Record Documents.
- C. Establish and maintain lines and levels to locate and layout entire scope of work.
- D. Preserve and protect all on-site underground utilities lines and existing on-site improvements in the area of construction.

1.6 SURVEY REFERENCE POINTS

- A. Where shown or available, existing basic horizontal and vertical survey reference points for Project are those designated on Drawings.
- B. Contractor shall establish horizontal and vertical survey control lines and points on site prior to commencement of contractors' work. Include a minimum of one north-south and one east-west grid line along with two permanent benchmarks for vertical data. These controls shall be maintained by Contractor throughout the course of construction.
- C. Locate and protect survey reference points prior to starting site work and preserve all permanent reference points during construction.
 - 1. Make no changes or relocations without prior written notice to Architect for their review and interpretation.
 - 2. Replace Project survey reference points which may require relocation because of necessary changes in grades or locations. Establish replacements based on original survey control.

1.7 HORIZONTAL AND VERTICAL CONTROLS

- A. Within two (2) weeks of Notice to Proceed, and prior to the start of work, Contractor shall review and verify the existing horizontal and vertical controls as provided in the Contract Documents. Additionally, Contractor shall review the following record documents as prepared by Increment 1 contractor:
 - 1. Certified Pad Survey
 - 2. Utility piping plans and points of connection.
- B. All discrepancies are to be reported to the Architect.
- C. Contractor to include Field Survey in Schedule of Values and project schedule.
- D. Contractor to provide and pay for field engineering services required for the execution of work, including, but not limited to:

1. Survey Work required in execution of the work under this contract.
 2. Civil, structural or other professional engineering services specified, or required to execute Contractor's construction methods.
- E. Provide field staking of all improvements; where existing, identify existing survey reference points and property line corner stakes indicated on Drawings.
- F. Locate and be aware of all existing on-site utility lines and improvements.

1.8 RECORDS

- A. Maintain complete, accurate log of all control and survey work as it progresses.
- B. On completion of final site improvements, prepare certified survey and record (as-built) drawing including the following information:
1. All boundary dimensions at perimeter of site, building pads, and parking lots.
 2. Locations and elevations of all underground utilities and site drainage piping and structures, Point of connection, including manholes and drain inlets, and locations of stub outs of building services for each individual building.
 3. Elevations of entire site, shown on a maximum 25 foot grid within building and central site area and a maximum 50 foot grid on balance of site, but in any event the distance between survey points should be no more than is necessary to accurately portray as-built conditions.
 4. Submit record survey and drawings for review by the Inspector and Architect, including certificate signed by registered engineer or surveyor certifying that elevations and locations of improvements are in conformance, or non-conformance, with Contract Documents.

PART 2 - PRODUCTS

- A. NOT USED

PART 3 - EXECUTION

- A. NOT USED

END OF SECTION

EXECUTION REQUIREMENTS

PART 1 - GENERAL

1.1. SUMMARY

- A. This section describes execution requirements.
 - 1. Installer qualifications.
 - 2. Examination.
 - 3. Manufacturer's instructions.
 - 4. Installation.
 - 5. Final Cleaning.
 - 6. Protection.

1.2. INSTALLER QUALIFICATIONS

- A. Experienced Installers: Unless noted otherwise by a particular specification Section, installers shall have minimum of five years successful experience installing items similar to those required for Project, except for individuals in training under direct supervision of experienced installer.

1.3. EXAMINATION

- A. Acceptance of Conditions: Beginning installation of a product signifies installer has examined substrates, areas, and conditions for compliance with manufacturer requirements for tolerances and other conditions affecting performance.
- B. Field Measurements: Take field measurements as required to fit Work properly; recheck measurements prior to installing each product.
 - 1. Where portions of Work are to fit to other construction verify dimensions of other construction by field measurements before fabrication; allow for cutting and patching in order to avoid delaying Work.
- C. Space Requirements: Verify space requirements and dimensions of items shown diagrammatically on Drawings.

1.4. MANUFACTURERS' INSTRUCTIONS

- A. Manufacturer's Recommendations: When work is specified to comply with manufacturers' recommendations or instructions, distribute copies to persons involved and maintain one set in field office.
 - 1. Conform to requirements specified in Section 01 33 00, "Submittal" Procedures for submittal of recommendations or instructions to Architect; submit to Architect only where specified or where specifically requested.
- B. Perform work in accordance with details of recommendations and instructions and specified requirements.
 - 1. Should a conflict exist between Specifications and recommendations or

instructions consult with Architect.

- C. Where manufacturer's information notes special recommendations in addition to installation instructions, comply with both recommendations and instructions.
- D. Pre-Installation Meetings: Installers and suppliers are to attend pre-installation meetings scheduled by Contractor.
- E. Comply with manufacturers written recommendations and installation instructions unless more restrictive requirements are specified.
- F. Locate Work and components accurately, in correct alignment and elevation.
 - 1. Make vertical work plumb and horizontal work level.
 - 2. Install components to allow space for maintenance and ease of removal for replacement.
- G. Install products at time and under conditions to ensure best possible results; maintain conditions required for product performance until Substantial Completion.
- H. Conduct operations so no part of Work is subject to damaging operations or loading in excess of that expected during normal conditions.
- I. Securely anchor permanent construction in place, accurately located and aligned with other portions of Work.
- J. Allow for building movement including thermal expansion and contraction.
- K. Make joints of uniform width; arrange joints as indicated, for best visual effect where not otherwise indicated; fit exposed connections together to form hairline joints except where otherwise indicated.

1.5. FINAL CLEANING

- A. Cleaning During Construction: Specified in Section 01 50 00, "Temporary Facilities and Controls".
- B. Progress Cleaning: Keep installed areas clean using cleaning materials specifically recommended by manufacturers of product being cleaned; where not otherwise recommended use nontoxic materials that will not damage surfaces.
 - 1. Remove debris from concealed spaces before enclosing space.
 - 2. Supervise construction operations to assure no part of construction, completed or in progress, is subject to harmful, dangerous, damaging, or otherwise deleterious exposure during construction period.
- C. Final Cleaning: Execute final cleaning at Substantial Completion.
 - 1. Clean interior and exterior surfaces exposed to view; remove temporary labels, stains and foreign substances; polish transparent and glossy surfaces; vacuum carpeted and soft surfaces.
 - a. Vacuuming Equipment: Type with high efficiency particulate arrestor (HEPA) type filters; properly maintained.
 - 2. Clean equipment and fixtures to a sanitary condition, clean filters of mechanical equipment, replace filters where cleaning is impractical.
 - a. Clean ducts.

3. Clean site; sweep paved areas.
4. Remove waste, surplus materials and rubbish from Project and site; recycle to maximum extent feasible.

1.6. PROTECTION

- A. See Section 01 60 00, "Product Requirements" for specific requirements.
 - a. Protect products subject to deterioration with impervious cover. Provide ventilation to avoid condensation and trapping water.
 - b. Take care to use protective covering and blocking materials that do not soil, stain, or damage materials being protected.
 - c. After installation, provide coverings to protect products from damage from traffic and construction operations, remove when no longer needed.
 - d. Protect interior materials from water damage; immediately remove wet materials from site to prevent growth of mold and mildew on site.

PART 2 - PRODUCTS

- A. NOT USED

PART 3 - EXECUTION

- A. NOT USED

END OF SECTION

SECTION 01 74 19 CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Environmental Issues and Waste Management Goals: Requirements For Special Site Waste Management Program.
 - 1. Definitions
 - 2. Performance Requirements
 - 3. Recycling Program
 - 4. Submittals

1.2 DEFINITIONS

- A. Inert Fill: A permitted facility that accepts inert waste such as asphalt and concrete exclusively.
- B. Class III Landfill: A landfill that accepts non-hazardous waste such as household, commercial, and industrial waste, including construction, remodeling, repair, and demolition operations.
- C. Construction and Demolition Waste: Building and site improvement materials and other solid waste such as building materials, packaging, rubbish, debris, and rubble resulting from construction, remodeling, renovation, or repair operations. Construction waste includes packaging. Alternative Daily Cover (ADC) does not qualify as material diverted from disposal. Land-clearing debris is not considered construction, demolition, or renovation waste that can contribute to waste diversion. Building and site improvement materials resulting from demolition or selective demolition operations.
 - 1. Rubbish: Includes both combustible and noncombustible wastes, such as paper, boxes, glass, crockery, metal and lumber scrap, tin cans, and bones.
 - 2. Debris: Includes both combustible and noncombustible wastes, such as leaves and tree trimmings that result from construction or maintenance and repair work.
- D. Chemical Waste: Includes petroleum products, bituminous materials, salts, acids, alkalis, herbicides, pesticides, organic chemicals and inorganic wastes.
- E. Disposal: Removal off-site of demolition and construction waste and subsequent sale, recycling, reuse, or deposit in landfill or incinerator acceptable to authorities having jurisdiction.
- F. Recycle: Recovery of demolition or construction waste for subsequent processing in preparation for reuse.
- G. Salvage: Recovery of demolition or construction waste and subsequent sale or reuse in another facility.
- H. Salvage and Reuse: Recovery of demolition or construction waste and subsequent incorporation into the Work.
- I. Sanitary Wastes:

1. Garbage: Refuse and scraps resulting from preparation, cooking, distribution, or consumption of food.
2. Sewage: Domestic sanitary sewage.

1.3 PERFORMANCE REQUIREMENTS

- A. General: Develop and implement a construction and demolition waste management plan that results in end-of-Project rates for salvage/recycling of at least 50 percent by weight of total waste generated by the Work.

1.4 QUALITY ASSURANCE

- A. Waste Management Coordinator Qualifications: Minimum 2 years construction experience.
- B. Refrigerant Recovery Technician Qualifications: Certified by EPA-approved certification program.
- C. Waste Management Conference: Conduct conference at Project site.

1.5 RECYCLING PROGRAM

- A. Recycling: Implement recycling program that includes separate collection of waste materials of following types as applicable to Project:
 1. Asphalt.
 2. Land clearing debris.
 3. Soil.
 4. Trees and shrubs.
 5. Concrete and concrete blocks.
 6. Brick and masonry materials.
 7. Untreated lumber.
 8. Clean dimensional wood and palette wood.
 9. Plywood, oriented strand board, and medium density fiberboard.
 10. Paper – bond.
 11. Paper (e.g. newsprint).
 12. Cardboard and paper packaging materials.
 13. Plastics.
 14. Rigid foam.
 15. Insulation.
 16. Ferrous metal.
 17. Non-ferrous metals (e.g. copper, aluminum, etc.).
 18. Glass.
 19. Gypsum board (unpainted).
 20. Carpet and pad.
 21. Paint.

22. Beverage containers.
 23. Plumbing fixtures.
 24. Electrical fixtures and wires.
 25. Others as appropriate.
- B. Separation of Waste: Contractor and subcontractors are both required to separate recyclable materials into bins and to arrange for delivery of recyclable materials to recycling depot. Clearly label all recycling containers and list acceptable and unacceptable materials.
- C. Handling: Keep materials free of dirt, adhesives, solvents, petroleum contamination, and other substances deleterious to recycling process.
1. Clean materials that are contaminated prior to placing in collection containers.
 2. Arrange for collection by or delivery to appropriate recycling center or transfer station that accepts construction and demolition waste for purpose of recycling.
- D. Participate in Re-Use Programs: Rebates, tax credits, and other savings obtained for recycled or re-used materials shall accrue to Contractor.

1.6 SUBMITTALS

- A. Waste Management Plan: Submit PDF of plan within 14 days of date established for the Notice to Proceed.
- B. Site Waste Management Program: Prevent environmental pollution and damage. Prior to commencement of Work, schedule and conduct meeting with Owner and Architect to discuss proposed Site Waste Management Program. Include separate sections in plan for demolition and construction waste. Indicate quantities by weight or volume, but use same units of measure throughout waste management plan.
1. Develop mutual understanding relative to details of recycling, and rebate programs.
 2. Effect optimum control of solid wastes.
- C. Submit Qualification data for Waste Management Coordinator.
1. Prepare and submit a written and graphic Site Waste Management Program including, but not limited to, the following:
 - a. Submit permit or license and location of waste disposal areas.
 - b. Submit procedures for recycling/re-use program.
 - c. Submit procedures for rebate programs.
 - d. Specify whether materials will be separated or comingled.
 - e. Indicate procedures to be implemented.
 - 1) Salvaged Materials for Reuse: For materials that will be salvaged and reused in this Project, describe methods for preparing salvaged materials before incorporation into the Work.
 - 2) Salvaged Materials for Sale: For materials that will be sold to individuals and organizations, include list of their names, addresses, and telephone numbers.
 - 3) Salvaged Materials for Donation: For materials that will be donated to individuals and organizations, include list of their names, addresses, and telephone numbers.

- 4) Recycled Materials: Include list of local receivers and processors and type of recycled materials each will accept. Include names, addresses, and telephone numbers.
 - 5) Disposed Materials: Indicate how and where materials will be disposed of. Include name, address, and telephone number of each landfill and incinerator facility.
 - 6) Handling and Transportation Procedures: Include method that will be used for separating recyclable waste including sizes of containers, container labeling, and designated location on Project site where materials separation will be located.
- f. Identify at least five materials (both structural and nonstructural) targeted for diversion.
 - g. Estimate total Project waste to be generated, and estimated cost of disposing of Project waste in landfills.
 - 1) Estimate total cubic yards of following waste categories to be diverted from landfill.
 - a) Clean dimensional wood, palette wood.
 - b) Plywood, oriented strand board, and medium density fiberboard.
 - c) Cardboard, paper, packaging.
 - d) Other items as directed by Owner and Architect.
 - 2) Estimate amounts of following waste categories in appropriate units (weight, feet, square yards, gallons).
 - a) Metals.
 - b) Gypsum board.
 - c) Carpet.
 - d) Paint.
 - e) Other items as directed by Owner and Architect.
 - h. Revise and resubmit Site Waste Management Program, as required by Owner and Architect.
 - i. Review of Contractor's Site Waste Management Program will not relieve Contractor of responsibility for control of pollutants and other environmental protection measures.
- D. Waste Reduction Progress Reports: Concurrent with each Application for Payment, submit PDF report with summary of solid waste generated. Include separate reports for demolition and construction waste.
1. Provide documentation to show evidence that waste management, recycling, and reuse of recyclable and reusable materials have been maximized. Include the following information:
 - a. Name of firm accepting the recovered materials or waste materials.
 - b. Specify type of facility (e.g. recycler, processor, Class III landfill, MRF).
 - c. Location of the facility.
 - d. Types of material/material category.
 - e. Date of delivery.
 - f. Generation point of waste.
 - g. Value of the materials or tipping fee paid.

- h. Quantity of waste salvaged, both estimated and actual in tons.
 - i. Quantity of waste recycled, both estimated and actual in tons.
 - j. Total quantity of waste recovered (salvaged plus recycled) in tons.
 - k. Total quantity of waste recovered (salvaged plus recycled) as a percentage of total waste.
- E. Project Closeout Submittals:
- F. Waste Reduction Calculations: Before request for Substantial Completion, submit three copies of calculated end-of-Project rates for salvage, recycling, and disposal as a percentage of total waste generated by the Work.
- G. Records of Donations: Indicate receipt and acceptance of salvageable waste donated to individuals and organizations. Indicate whether organization is tax exempt.
- H. Records of Sales: Indicate receipt and acceptance of salvageable waste sold to individuals and organizations. Indicate whether organization is tax exempt.
- I. Recycling and Processing Facility Records: Indicate receipt and acceptance of recyclable waste by recycling and processing facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- J. Landfill and Incinerator Disposal Records: Indicate receipt and acceptance of waste by landfills and incinerator facilities licensed to accept them. Include manifests, weight tickets, receipts, and invoices.
- K. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician responsible for recovering refrigerant, stating that all refrigerant that was present was recovered and that recovery was performed according to EPA regulations. Include name and address of technician and date refrigerant was recovered.
- 1. Prepare 3-ring binder with all required documentation, including rebate information and product documentation as required for Owner to qualify for rebate programs.
 - 2. Submit binder with final closeout submittals per Section 01 77 19, "Closeout Requirements".

PART 2 - PRODUCTS

- A. NOT USED

PART 3 - EXECUTION

3.1 PLAN IMPLEMENTATION

- A. General: Implement waste management plan as approved by Architect. Provide handling, containers, storage, signage, transportation, and other items as required to implement waste management plan during the entire duration of the Contract.

- B. Waste Management Coordinator: Engage a waste management coordinator to be responsible for implementing, monitoring, and reporting status of waste management work plan. Coordinator shall be present at Project site full time for duration of Project.
- C. Training: Train workers, subcontractors, and suppliers on proper waste management procedures, as appropriate for the Work occurring at Project site.
 - 1. Distribute waste management plan to everyone concerned within three days of submittal return.
 - 2. Distribute waste management plan to entities when they first begin work on-site. Review plan procedures and locations established for salvage, recycling, and disposal.
- D. Site Access and Temporary Controls: Conduct waste management operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
 - 1. Designate and label specific areas on Project site necessary for separating materials that are to be salvaged, recycled, reused, donated, and sold.
 - 2. Comply with Division 01 Section "Temporary Facilities and Controls" for controlling dust and dirt, environmental protection, and noise control.

3.2 SALVAGING DEMOLITION WASTE

- A. Salvaged Items for Reuse in the Work:
 - 1. Clean salvaged items.
 - 2. Pack or crate items after cleaning. Identify contents of containers.
 - 3. Store items in a secure area until installation.
 - 4. Protect items from damage during transport and storage.
 - 5. Install salvaged items to comply with installation requirements for new materials and equipment. Provide connections, supports, and miscellaneous materials necessary to make items functional for use indicated.
- B. Salvaged Items for Sale and Donation: Not permitted on Project site.
- C. Salvaged Items for Owner's Use:
 - 1. Clean salvaged items.
 - 2. Pack or crate items after cleaning. Identify contents of containers.
 - 3. Store items in a secure area until delivery to Owner.
 - 4. Transport items to Owner's storage area on-site.
 - 5. Protect items from damage during transport and storage.

3.3 RECYCLING DEMOLITION AND CONSTRUCTION WASTE, GENERAL

- A. General: Recycle paper and beverage containers used by on-site workers.
- B. Recycling Receivers and Processors: List below is provided for information only; available recycling receivers and processors include, but are not limited to, the following:
 - 1. County of Shasta

- C. Recycling waste materials shall accrue to Contractor.
- D. Procedures: Separate recyclable waste from other waste materials, trash, and debris. Separate recyclable waste by type at Project site to the maximum extent practical.
 - 1. Provide appropriately marked containers or bins for controlling recyclable waste until they are removed from Project site. Include list of acceptable and unacceptable materials at each container and bin.
 - a. Inspect containers and bins for contamination and remove contaminated materials if found.
 - 2. Stockpile processed materials on-site without intermixing with other materials. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
 - 3. Stockpile materials away from construction area. Do not store within drip line of remaining trees.
 - 4. Store components off the ground and protect from the weather.
 - 5. Remove recyclable waste off Owner's property and transport to recycling receiver or processor.

3.4 RECYCLING DEMOLITION WASTE

- A. Asphaltic Concrete Paving: Grind asphalt to maximum 1-1/2-inch size, or as required by recycling facility.
- B. Asphaltic Concrete Paving: Break up and transport paving to asphalt-recycling facility.
- C. Concrete: Remove reinforcement and other metals from concrete and sort with other metals.
 - 1. Pulverize concrete to maximum 1-1/2-inch size, or as required by recycling facility.
- D. Masonry: Remove metal reinforcement, anchors, and ties from masonry and sort with other metals.
 - 1. Pulverize masonry to maximum 1-1/2-inch size, or as required by recycling facility.
 - 2. Clean and stack undamaged, whole masonry units on wood pallets.
- E. Wood Materials: Sort and stack members according to size, type, and length. Separate lumber, engineered wood products, panel products, and treated wood materials.
- F. Metals: Separate metals by type.
 - 1. Structural Steel: Stack members according to size, type of member, and length.
 - 2. Remove and dispose of bolts, nuts, washers, and other rough hardware.
- G. Asphalt Shingle Roofing: Separate organic and glass-fiber asphalt shingles and felts. Remove and dispose of nails, staples, and accessories.
- H. Gypsum Board: Stack large clean pieces on wood pallets and store in a dry location. Remove edge trim and sort with other metals. Remove and dispose of fasteners.
- I. Acoustical Ceiling Panels and Tile: Stack large clean pieces on wood pallets and store in a dry location.
 - 1. Separate suspension system, trim, and other metals from panels and tile and sort with other

metals.

- J. Carpet and Pad: Roll large pieces tightly after removing debris, trash, adhesive, and tack strips.
 - 1. Store clean, dry carpet and pad in a closed container or trailer provided by Carpet Reclamation Agency or carpet recycler.
- K. equipment from exposure to weather.
- L. Plumbing Fixtures: Separate by type and size.
- M. Piping: Reduce piping to straight lengths and store by type and size. Separate supports, hangers, valves, sprinklers, and other components by type and size.
- N. Lighting Fixtures: Separate lamps by type and protect from breakage.
- O. Electrical Devices: Separate switches, receptacles, switchgear, transformers, meters, panel boards, circuit breakers, and other devices by type.
- P. Conduit: Reduce conduit to straight lengths and store by type and size.

3.5 RECYCLING CONSTRUCTION WASTE

- A. Packaging:
 - 1. Cardboard and Boxes: Break down packaging into flat sheets. Bundle and store in a dry location.
 - 2. Polystyrene Packaging: Separate and bag materials.
 - 3. Pallets: As much as possible, require deliveries using pallets to remove pallets from Project site. For pallets that remain on-site, break down pallets into component wood pieces and comply with requirements for recycling wood.
 - 4. Crates: Break down crates into component wood pieces and comply with requirements for recycling wood.
- B. Site-Clearing Wastes: Chip brush, branches, and trees on-site at location indicated by owner.
- C. Wood Materials:
 - 1. Clean Cut-Offs of Lumber: Grind or chip into small pieces.
 - 2. Clean Sawdust: Bag sawdust that does not contain painted or treated wood.
- D. Gypsum Board: Stack large clean pieces on wood pallets and store in a dry location.
 - 1. Clean Gypsum Board: Grind scraps of clean gypsum board using small mobile chipper or hammer mill. Screen out paper after grinding.

3.6 DISPOSAL OF WASTE

- A. General: Except for items or materials to be salvaged, recycled, or otherwise reused, remove waste materials from Project site and legally dispose of them in a landfill or incinerator acceptable to authorities having jurisdiction.
 - 1. Except as otherwise specified, do not allow waste materials that are to be disposed of accumulate on-site.

2. Remove and transport debris in a manner that will prevent spillage on adjacent surfaces and areas.
- B. Burning: Do not burn waste materials.
- C. Burning: Burning of waste materials is permitted only at designated areas on Owner's property, provided required permits are obtained. Provide full-time monitoring for burning materials until fires are extinguished.
- D. Disposal: Transport waste materials and dispose of at designated spoil areas on Owner's property.
- E. Disposal: Transport waste materials off Owner's property and legally dispose of them.

END OF SECTION

SECTION 01 75 00
STARTING AND ADJUSTING

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Starting Systems
- B. Testing, Adjusting and Balancing
- C. Demonstration and Instructions (cross-reference provide to section)

1.2 STARTING SYSTEMS

- A. Coordinate schedule for start-up of various equipment and systems.
- B. Notify Inspector and Architect 48 hours prior to start-up of each item.
- C. Verify that each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence or other conditions which may cause damage.
- D. Verify that tests, meter readings, and specified electrical characteristics agree with those required by the equipment or system manufacturer.
- E. Verify wiring and support components for equipment are complete and tested.
- F. Execute start-up under supervision of responsible manufacturer's representative and/or Contractor personnel in accordance with manufacturers' instructions.
- G. When specified in individual specification Sections, require manufacturer to provide authorized representative to be present at site to inspect, and check equipment or system installation prior to start-up and to supervise placing equipment or system operation.
- H. Submit a written report to the Architect that equipment or system has been properly installed and is functioning correctly.
- I. Provide advance notice to Architect and Inspector of Record regarding all coordination for utility and service systems hook-ups.

1.3 TESTING, ADJUSTING, AND BALANCING

- A. Contractor shall employ services of an independent firm to perform testing, adjusting and balancing. Contractor shall pay for services.
- B. The independent firm will perform services specified in Electrical and Mechanical sections.
- C. Reports will be submitted by the independent firm to the Architect indicating observations and results of tests and indicating compliance or non-compliance with specified requirements and

with the requirements of the Contract Documents.

1.4 DEMONSTRATION AND INSTRUCTIONS

- A. Coordinate with all requirements in Section 01 79 00, "Demonstration and Testing".

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

SECTION 01 77 19

CLOSEOUT REQUIREMENTS—Not Applicable

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Substantial Completion and Punchlist Procedures
- B. Final Completion Procedures
- C. Project Record Documents
- D. Operation and Maintenance Data
- E. Warrantees
- F. Spare Parts and Maintenance Materials
- G. Final Cleaning
- H. Adjusting and Training (cross references provided)

1.2 SUBSTANTIAL COMPLETION AND PUNCH LIST PROCEDURES

- A. When Contractor considers the Work or a designated portion thereof is substantially complete, notify Architect and Owner with list of items to be completed or corrected, and request Punch List Inspection.
 - 1. Punch List Format: Pre-approved by Owner and Architect - tabular form with each space listed required.
- B. Within a reasonable time Architect, Architect's Consultants, Inspector and Owner will conduct an inspection in order to determine Architect, Architect's Consultants and Owner will conduct an inspection in order to determine acceptance of work and identify items remaining to complete.
- C. The Architect will prepare a Punch List of such items and transmit to Contractor.
- D. Should Architect determine Work is not substantially complete, Contractor will be promptly notified in writing, giving reasons.
- E. Contractor shall remedy deficiencies and send a second written notice of substantial completion; Architect, Architect's Consultants, Inspector and Owner will re-inspect Work.
- F. If Architect determines that punch list items remaining are sufficiently minor, and that Owner can occupy work and use it for its intended purpose, then Architect will prepare a Notice of Substantial Completion for Owner's signature.

1. If work is not substantially complete, Contractor shall continue construction until such time as project status justifies subsequent inspection. Architect and Project Manager and Architect's Consultant costs incurred in such subsequent inspections will be paid by Contractor by Owner-Contractor contract adjustment.
2. Contractor shall complete all items on Punch List within 30 days, or as stated on Notice of Substantial Completion.

1.3 FINAL COMPLETION PROCEDURES

- A. At such time as Contractor believes project is complete and following completion of Punch List items, notify Architect and request Final Inspection
 1. Submit written certification that Contract Documents have been reviewed, Work has been inspected, and that Work is complete in accordance with Contract Documents and ready for Architect Final inspection.
 2. Upon receipt of request for final inspection, Architect will perform a Final Inspection and recommend actions as defined by the General Conditions.
 3. If Architect determines work is acceptable under the Contract Documents, Contractor shall submit Final Application for Payment and close-out documents.
- B. Contractor shall provide all close-out documents required by Contract Documents, per Section 01 77 19, "Closeout Requirements", and as required in this Section, with transmittal letter containing date, Project title, Contractor's name and address, list of documents, and signature of Contractor, within ten days of the last day of the contract period.
 1. Close out documents include, but are not necessarily limited to:
 - a. Project Record Set: Indicate actual work on Drawings and in Project Manual; indicate actual products used in Project Manual, including manufacturer, model number and options.
 - a. Operational and maintenance manuals and data.
 - b. Warranties and Guarantees.
 - c. Keys and keying schedules.
 - d. Spare parts, extra stock and materials.
 - e. All jurisdictional approval documents, including Final Verified reports (DSA 6 Forms, certification of fire alarm and related documents.

1.4 FINAL PAYMENT

- A. When, in the opinion of the Architect, the project is complete (after all punch list items are complete as described in Item 1.2 Substantial Completion), the Architect will advise the Owner and the Owner will file the Notice of Completion with the County Recorder.
- B. Should there be items not available due to delays in delivery, or should work remain incomplete,

the Architect and the Owner may require the Contractor to post a certified check in an agreed upon amount sufficient to cover such incomplete or uncorrected items. Such certified check shall be held until completion of all incomplete Work.

- C. The final payment, including retention, outlined in Section 01 20 00, “Price and Payment Procedures” shall be held by the Owner until forty (40) days after the date of recording of the Notice of Completion by the County Recorder. If no stop notices or encumbrances are filed and if all required forms have been filed and approved by DSA and work is complete, the retention shall be paid the contractor. Assessed liquidated damages and extra services provided by the Architect and Inspector of Record due to additional inspections of incomplete work shall be deducted from the retention.
- D. Final payment to the Contractor will not be made until all requirements have been met and all documents set forth herein have been received, including but not limited to: Record Drawings, Warranties, Operation and Maintenance Manuals, Demonstration/Training and extra stock.
- E. Final Application for Payment Coordinate with Section 01 20 00, “Price and Payment Procedures”.
 - 1. After final submittals have been submitted and approved, Contractor shall submit final Application for Payment identifying total adjusted Contract Sum, previous payments, and sum remaining due.
 - 2. Final Application for Payment shall be submitted to Inspector of Record and approved, prior to being sent to Architect for review.
 - 3. When requested by Architect, provide evidence of payment, lien releases and consent of surety to make final payment to Contractor.
 - 4. The District’s Board will take an action to accept the project and authorize the filing of a Notice of Completion.

1.5 RECORD PROJECT DOCUMENTS

- A. Provide Record Drawings, Record Specifications, and Other Record Documents as described in Section 01 78 39, “Project Record Documents”

1.6 OPERATION AND MAINTENANCE DATA

- A. Provide Operation and Maintenance Data as described in Section 01 78 23, “Operations and Maintenance Data”.

1.7 WARRANTIES

- A. Compile required and incidental warranties required by Contract Documents.
- B. These warranties shall be in addition to and not a limitation of other rights Owner may have against Contractor under Contract Documents and which may be prescribed by law, regardless of wording of warranty.
- C. Provide duplicate notarized copies.

- D. Assemble documents executed by subcontractors, installers, suppliers, and manufacturers.
- E. Provide table of contents and assemble in binder with durable plastic cover, clearly identified regarding extent of contents.
- F. Electronic Format: Submit warranties on electronic media in PDF format.
- G. Warranty Form: Use form acceptable to Owner; completed form shall not detract from or confuse interpretations of Contract Documents. (See Section 00 65 36)
 - 1. General Contractor shall sign warranty.
 - 2. Subcontractor and installer shall sign warranty where specified.
 - a. Provide required manufacturer's warranties for waterproofing and roofing systems countersigned by subcontractor and installer.
- H. Submit final warranties prior to final application for payment.
 - 1. For equipment put into use with Owner's permission during construction, submit within ten days after first operation.
 - 2. For items of Work delayed materially beyond Date of Substantial Completion, provide updated submittal within ten days after acceptance, listing date of acceptance as start of warranty period.
- I. Provide information for Owner's personnel regarding proper procedure in case of failure and instances that might affect validity of warranty.
- J. Size: 8-1/2" by 11" for three-ring binder; fold larger sheets to fit 8 1/2" x 11 format.
- K. Warrantees - General Requirements:
 - 1. Warranties are intended to protect Owner against failure of work and against deficient, defective and faulty materials and workmanship, regardless of sources.
 - 2. Limitations: Warranties are not intended to cover failures that result from:
 - a. Unusual or abnormal phenomena of the elements.
 - b. Owner's misuse, maltreatment or improper maintenance of work.
 - c. Vandalism after substantial completion.
 - d. Insurrection or acts of aggression including war.
 - 3. Related Damages and Losses: Remove and replace work which is damaged as result of failure, or which must be removed and replaced to provide access for correction of warranted work.
 - 4. Warranty Reinstatement: After correction of warranted work, reinstate warranty for corrected work to date of original warranty expiration, but not less than half original

warranty period.

5. For items of Work delayed beyond date of Substantial Completion, provide updated submittal within ten days after acceptance, listing date of acceptance as start of warranty period.
6. Replacement Cost: Replace or restore failing warranted items without regard to anticipated useful service lives.
7. Rejection of Warranties: Owner reserves right to reject unsolicited and coincidental product warranties that detract from or confuse interpretations of Contract Documents.

1.8 SPARE PARTS AND MAINTENANCE MATERIALS

- A. Provide products, spare parts, maintenance and extra materials in quantities specified in individual specification Sections.
- B. Deliver to Project site and place in location as directed; obtain receipt prior to final payment.

1.9 FINAL CLEANING

- A. Contactor shall conduct all final cleaning required to comply with requirements of this Section prior to final inspection.
- B. Use cleaning materials which do not create hazards to health or property and which will not damage surfaces. Use only those cleaning materials and methods recommended by manufacturer of the surface material to be cleaned. Use cleaning materials only on surfaces recommended by cleaning material manufacturer.
- C. Employ experienced workers or professional cleaners for final cleaning. Comply with instructions of manufacturer for surface being cleaned.
- D. Comply with regulations of authorities having jurisdiction and safety standards for cleaning. Do not burn waste materials. Do not bury debris or excess materials on the Owner's property. Do not discharge volatile, harmful or dangerous materials into drainage systems. Remove waste materials from the site and dispose of in a lawful manner
- E. Contractor shall clean all completed interior work, including but not necessarily limited to, surfaces exposed to view in final construction, all cabinet/casework interiors and surfaces, and all equipment and fixtures.
 1. Remove temporary labels, stains and foreign substances. Where stain cannot be removed, replace item to the satisfaction of the Project Manager and Architect.
 2. Polish transparent and glossy surfaces.
 3. Wet wipe painted and prefinished surfaces. Do not leave residue or wipe marks.
 4. Where HVAC system was operated during construction, clean permanent filters and replace disposable filters immediately prior to final inspection. Clean ducts, blowers and coils if units were operated without filters during construction.

5. Perform final cleaning of all plumbing and electrical components. Polish all glossy surfaces, wet wipe all other finished exposed surfaces and elements.
- F. Clean all completed building exterior surfaces and site work, including but not necessarily limited to, surfaces exposed to view in final construction, all roof surfaces, all site paving surfaces, and all equipment and fixtures.
1. Remove temporary labels, stains and foreign substances from exterior surfaces.
 2. Polish exterior signage components and similar glossy surfaces.
 3. Remove dirt and dust from all exterior surfaces by approved means. Clean all sealant joints and similar applications.
 4. Remove debris, construction products, fasteners, and trash from all roof surfaces.
 5. Rake grounds that are neither paved nor planted to a smooth even-textured surface.
 6. Clean all paving surfaces as necessary to remove construction dust and dirt, including debris from joints using approved methods. Remove all construction stains by approved means. Remove asphalt and seal coat splatter from curb faces.
- G. Remove waste and surplus materials, rubbish, and construction facilities from the site and legally dispose of.

1.10 ADJUSTING AND TRAINING

- A. Adjust operating products and equipment to ensure smooth and unhindered operation and provide adequate training for continued maintenance. See Section 01 75 00 “Starting and Adjusting” and Section 01 79 00, “Demonstration and Testing”.

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

SECTION 01 78 23
OPERATION AND MAINTENANCE DATA

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for preparing operation and maintenance manuals, including the following:
 - 1. Operation and maintenance documentation directory manuals.
 - 2. Emergency manuals.
 - 3. Systems and equipment operation manuals.
 - 4. Systems and equipment maintenance manuals.
 - 5. Product maintenance manuals.
- B. Related Requirements:
 - 1. Section 01 33 00 "Submittal Procedures" for submitting copies of submittals for operation and maintenance manuals.

1.3 DEFINITIONS

- A. System: An organized collection of parts, equipment, or subsystems united by regular interaction.
- B. Subsystem: A portion of a system with characteristics similar to a system.

1.4 CLOSEOUT SUBMITTALS

- A. Submit operation and maintenance manuals indicated. Provide content for each manual as specified in individual Specification Sections, and as reviewed and approved at the time of Section submittals. Submit reviewed manual content formatted and organized as required by this Section.
 - 1. Architect will comment on whether content of operation and maintenance submittals is acceptable.
 - 2. Where applicable, clarify and update reviewed manual content to correspond to revisions and field conditions.
- B. Format: Submit operation and maintenance manuals in the following format:
 - 1. Submit on digital media acceptable to Architect. Enable reviewer comments on draft submittals.

- C. Initial Manual Submittal: Submit draft copy of each manual at least 30 days before commencing demonstration and training. Architect will comment on whether general scope and content of manual are acceptable.
- D. Final Manual Submittal: Submit each manual in final form prior to requesting inspection for Substantial Completion and at least 15 days before commencing demonstration and training. Architect will return copy with comments.
 - 1. Correct or revise each manual to comply with Architect's. Submit copies of each corrected manual within 15 days of receipt of Architect's comments and prior to commencing demonstration and training.
- E. Comply with Section 01 77 19 "Closeout Requirements" for schedule for submitting operation and maintenance documentation.

1.5 FORMAT OF OPERATION AND MAINTENANCE MANUALS

- A. Prepare binder covers with printed title "OPERATION AND MAINTENANCE INSTRUCTIONS", with title of project, and subject matter of binders
 - 1. Electronic Files: Use electronic files prepared by manufacturer where available. Where scanning of paper documents is required, configure scanned file for minimum readable file size.
 - 2. File Names and Bookmarks: Bookmark individual documents based on file names. Name document files to correspond to system, subsystem, and equipment names used in manual directory and table of contents. Group documents for each system and subsystem into individual composite bookmarked files, then create composite manual, so that resulting bookmarks reflect the system, subsystem, and equipment names in a readily navigated file tree. Configure electronic manual to display bookmark panel on opening file.
 - 3. Contents: Prepare a Table of Contents for each volume, with each Product or system description identified, type on 24 pound white paper.
 - a. Directory, listing names, addresses, and telephone numbers of Architect, Contractor, Subcontractors, and major equipment suppliers.
 - b. Operation and maintenance instructions, arranged by system and subdivided by specification section. For each category, identify names, addresses, and telephone numbers of Subcontractors and suppliers. Identify the following:
 - 1) Significant design criteria.
 - 2) List of equipment, including trade names, model or type numbers.
 - 3) Parts list for each component.
 - 4) Operating instructions.
 - 5) Maintenance instructions for equipment and systems.
 - 6) Cleaning instructions.
 - 7) Maintenance instructions for special finishes, including recommended cleaning methods and materials and special precautions identifying detrimental agents.
 - c. Project documents and certificates, including the following:
 - 1) Shop drawings.

- 2) Provide product data.
 - 3) Certificates.
 - 4) Photocopies of warranties.
 - d. Provide a separate volume for each of the following systems, with a table of contents and index tabs for each volume:
 - 1) Electrically operated items.
 - 2) Mechanical equipment and controls.
 - 3) Electrical equipment and controls.
- B. Manuals, Paper Copy: Submit manuals in the form of hard-copy, bound and labeled volumes.
1. Binders: Heavy-duty, three-ring, vinyl-covered, loose-leaf, post-type binders, in thickness necessary to accommodate contents, sized to hold 8-1/2-by-11-inch paper; with clear plastic sleeve on spine to hold label describing contents and with pockets inside covers to hold folded oversize sheets.
 - a. If two or more binders are necessary to accommodate data of a system, organize data in each binder into groupings by subsystem and related components. Cross-reference other binders if necessary to provide essential information for proper operation or maintenance of equipment or system.
 - b. Identify each binder on front and spine, with printed title "OPERATION AND MAINTENANCE MANUAL," Project title or name, subject matter of contents, and indicate Specification Section number on bottom of spine. Indicate volume number for multiple-volume sets.
 2. Internally subdivide the binder contents with permanent page dividers, logically organized as described below; with tab titling clearly printed under reinforced laminated plastic tabs.
 3. Provide heavy-paper dividers with plastic-covered tabs for each section of the manual. Mark each tab to indicate contents. Include typed list of products and major components of equipment included in the section on each divider, cross-referenced to Specification Section number and title of Project Manual.
 4. Protective Plastic Sleeves: Transparent plastic sleeves designed to enclose diagnostic software storage media for computerized electronic equipment. Enclose title pages and directories in clear plastic sleeves.
 5. Supplementary Prepared on 8-1/2-by-11-inch white bond paper.
 6. Drawings, If Required: Attach reinforced, punched binder tabs on drawings and bind with text.
 - a. If oversize drawings are necessary, fold drawings to same size as text pages and use as foldouts.
 - b. If drawings are too large to be used as foldouts, fold and place drawings in labeled envelopes and bind envelopes in rear of manual. At appropriate locations in manual, insert typewritten pages indicating drawing titles, descriptions of contents, and drawing locations.

- C. Submit one copy of completed Volumes in final form to Architect 15 days prior to final inspection. This copy will be returned after final inspection, with Architect comments.
- D. Revise content of documents as required prior to final submittal.
- E. Submit final volumes, **ONE hard copy set each**, with corresponding electronic format set, in PDF format, revised, within 15 days after final inspection.
- A. Manuals, Electronic Files: Submit manuals in the form of a multiple file composite electronic PDF file for each manual type required, on a Flash Drive in each hard copy binder.

1.6 REQUIREMENTS FOR EMERGENCY, OPERATION, AND MAINTENANCE MANUALS

- A. Organization of Manuals: Unless otherwise indicated, organize each manual into a separate section for each system and subsystem, and a separate section for each piece of equipment not part of a system. Each manual shall contain the following materials, in the order listed:
 - 1. Title page.
 - 2. Table of contents.
 - 3. Manual contents.
- B. Title Page: Include the following information:
 - 1. Subject matter included in manual.
 - 2. Name and address of Project.
 - 3. Name and address of Owner.
 - 4. Date of submittal.
 - 5. Name and contact information for Contractor.
 - 6. Name and contact information for Architect.
 - 7. Names and contact information for major consultants to the Architect that designed the systems contained in the manuals.
 - 8. Cross-reference to related systems in other operation and maintenance manuals.
- C. Table of Contents: List each product included in manual, identified by product name, indexed to the content of the volume, and cross-referenced to Specification Section number in Project Manual.
 - 1. If operation or maintenance documentation requires more than one volume to accommodate data, include comprehensive table of contents for all volumes in each volume of the set.
- D. Manual Contents: Organize into sets of manageable size. Arrange contents alphabetically by system, subsystem, and equipment. If possible, assemble instructions for subsystems, equipment, and components of one system into a single binder.
- E. Identification: In the documentation directory and in each operation and maintenance manual, identify each system, subsystem, and piece of equipment with same designation used in the Contract Documents. If no designation exists, assign a designation according to ASHRAE Guideline 4, "Preparation of Operating and Maintenance Documentation for Building Systems."

1.7 OPERATION AND MAINTENANCE DOCUMENTATION DIRECTORY MANUAL

- A. Operation and Maintenance Documentation Directory: Prepare a separate manual that provides an organized reference to emergency, operation, and maintenance manuals. List items and their location to facilitate ready access to desired information. Include the following:
 - 1. List of Systems and Subsystems: List systems alphabetically. Include references to operation and maintenance manuals that contain information about each system.
 - 2. List of Equipment: List equipment for each system, organized alphabetically by system. For pieces of equipment not part of system, list alphabetically in separate list.
 - 3. Tables of Contents: Include a table of contents for each emergency, operation, and maintenance manual.

1.8 EMERGENCY MANUALS

- A. Emergency Manual: Assemble a complete set of emergency information indicating procedures for use by emergency personnel and by Owner's operating personnel for types of emergencies indicated.
- B. Content: Organize manual into a separate section for each of the following:
 - 1. Type of emergency.
 - 2. Emergency instructions.
 - 3. Emergency procedures.
- C. Type of Emergency: Where applicable for each type of emergency indicated below, include instructions and procedures for each system, subsystem, piece of equipment, and component:
 - 1. Fire.
 - 2. Flood.
 - 3. Gas leak.
 - 4. Water leak.
 - 5. Power failure.
 - 6. Water outage.
 - 7. System, subsystem, or equipment failure.
 - 8. Chemical release or spill.
- D. Emergency Instructions: Describe and explain warnings, trouble indications, error messages, and similar codes and signals. Include responsibilities of Owner's operating personnel for notification of Installer, supplier, and manufacturer to maintain warranties.
- E. Emergency Procedures: Include the following, as applicable:
 - 1. Instructions on stopping.
 - 2. Shutdown instructions for each type of emergency.
 - 3. Operating instructions for conditions outside normal operating limits.
 - 4. Required sequences for electric or electronic systems.
 - 5. Special operating instructions and procedures.

1.9 SYSTEMS AND EQUIPMENT OPERATION MANUALS

- A. Systems and Equipment Operation Manual: Assemble a complete set of data indicating operation of each system, subsystem, and piece of equipment not part of a system. Include information required for daily operation and management, operating standards, and routine and special operating procedures.
1. Engage a factory-authorized service representative to assemble and prepare information for each system, subsystem, and piece of equipment not part of a system.
 2. Prepare a separate manual for each system and subsystem, in the form of an instructional manual for use by Owner's operating personnel.
- B. Content: In addition to requirements in this Section, include operation data required in individual Specification Sections and the following information:
1. System, subsystem, and equipment descriptions. Use designations for systems and equipment indicated on Contract Documents.
 2. Performance and design criteria if Contractor has delegated design responsibility.
 3. Operating standards.
 4. Operating procedures.
 5. Operating logs.
 6. Wiring diagrams.
 7. Control diagrams.
 8. Piped system diagrams.
 9. Precautions against improper use.
 10. License requirements including inspection and renewal dates.
- C. Descriptions: Include the following:
1. Product name and model number. Use designations for products indicated on Contract Documents.
 2. Manufacturer's name.
 3. Equipment identification with serial number of each component.
 4. Equipment function.
 5. Operating characteristics.
 6. Limiting conditions.
 7. Performance curves.
 8. Engineering data and tests.
 9. Complete nomenclature and number of replacement parts.
- D. Operating Procedures: Include the following, as applicable:
1. Startup procedures.
 2. Equipment or system break-in procedures.

3. Routine and normal operating instructions.
 4. Regulation and control procedures.
 5. Instructions on stopping.
 6. Normal shutdown instructions.
 7. Seasonal and weekend operating instructions.
 8. Required sequences for electric or electronic systems.
 9. Special operating instructions and procedures.
- E. Systems and Equipment Controls: Describe the sequence of operation, and diagram controls as installed.
- F. Piped Systems: Diagram piping as installed, and identify color coding where required for identification.

1.10 SYSTEMS AND EQUIPMENT MAINTENANCE MANUALS

- A. Systems and Equipment Maintenance Manuals: Assemble a complete set of data indicating maintenance of each system, subsystem, and piece of equipment not part of a system. Include manufacturers' maintenance documentation, preventive maintenance procedures and frequency, repair procedures, wiring and systems diagrams, lists of spare parts, and warranty information.
1. Engage a factory-authorized service representative to assemble and prepare information for each system, subsystem, and piece of equipment not part of a system.
 2. Prepare a separate manual for each system and subsystem, in the form of an instructional manual for use by Owner's operating personnel.
- B. Content: For each system, subsystem, and piece of equipment not part of a system, include source information, manufacturers' maintenance documentation, maintenance procedures, maintenance and service schedules, spare parts list and source information, maintenance service contracts, and warranties and bonds as described below.
- C. Source Information: List each system, subsystem, and piece of equipment included in manual, identified by product name and arranged to match manual's table of contents. For each product, list name, address, and telephone number of Installer or supplier and maintenance service agent, and cross-reference Specification Section number and title in Project Manual and drawing or schedule designation or identifier where applicable.
- D. Manufacturers' Maintenance Documentation: Include the following information for each component part or piece of equipment:
1. Standard maintenance instructions and bulletins; include only sheets pertinent to product or component installed. Mark each sheet to identify each product or component incorporated into the Work. If data include more than one item in a tabular format, identify each item using appropriate references from the Contract Documents. Identify data applicable to the Work and delete references to information not applicable.
 - a. Prepare supplementary text if manufacturers' standard printed data are not available and where the information is necessary for proper operation and maintenance of equipment or systems.
 2. Drawings, diagrams, and instructions required for maintenance, including disassembly and component removal, replacement, and assembly.

3. Identification and nomenclature of parts and components.
 4. List of items recommended to be stocked as spare parts.
- E. Maintenance Procedures: Include the following information and items that detail essential maintenance procedures:
1. Test and inspection instructions.
 2. Troubleshooting guide.
 3. Precautions against improper maintenance.
 4. Disassembly; component removal, repair, and replacement; and reassembly instructions.
 5. Aligning, adjusting, and checking instructions.
 6. Demonstration and training video recording, if available.
- F. Maintenance and Service Schedules: Include service and lubrication requirements, list of required lubricants for equipment, and separate schedules for preventive and routine maintenance and service with standard time allotment.
1. Scheduled Maintenance and Service: Tabulate actions for daily, weekly, monthly, quarterly, semiannual, and annual frequencies.
 2. Maintenance and Service Record: Include manufacturers' forms for recording maintenance.
- G. Spare Parts List and Source Information: Include lists of replacement and repair parts, with parts identified and cross-referenced to manufacturers' maintenance documentation and local sources of maintenance materials and related services.
- H. Maintenance Service Contracts: Include copies of maintenance agreements with name and telephone number of service agent.
- I. Warranties and Bonds: Include copies of warranties and bonds and lists of circumstances and conditions that would affect validity of warranties or bonds.
1. Include procedures to follow and required notifications for warranty claims.
- J. Drawings: Prepare drawings supplementing manufacturers' printed data to illustrate the relationship of component parts of equipment and systems and to illustrate control sequence and flow diagrams. Coordinate these drawings with information contained in record Drawings to ensure correct illustration of completed installation.
1. Do not use original project record documents as part of maintenance manuals.

1.11 PRODUCT MAINTENANCE MANUALS

- A. Product Maintenance Manual: Assemble a complete set of maintenance data indicating care and maintenance of each product, material, and finish incorporated into the Work.
- B. Content: Organize manual into a separate section for each product, material, and finish. Include source information, product information, maintenance procedures, repair materials and sources, and warranties and bonds, as described below.
- C. Source Information: List each product included in manual, identified by product name and arranged to match manual's table of contents. For each product, list name, address, and telephone number of Installer or supplier and maintenance service agent, and cross-reference

Specification Section number and title in Project Manual and drawing or schedule designation or identifier where applicable.

- D. Product Information: Include the following, as applicable:
 - 1. Product name and model number.
 - 2. Manufacturer's name.
 - 3. Color, pattern, and texture.
 - 4. Material and chemical composition.
 - 5. Reordering information for specially manufactured products.
- E. Maintenance Procedures: Include manufacturer's written recommendations and the following:
 - 1. Inspection procedures.
 - 2. Types of cleaning agents to be used and methods of cleaning.
 - 3. List of cleaning agents and methods of cleaning detrimental to product.
 - 4. Schedule for routine cleaning and maintenance.
 - 5. Repair instructions.
- F. Repair Materials and Sources: Include lists of materials and local sources of materials and related services.
- G. Warranties and Bonds: Include copies of warranties and bonds and lists of circumstances and conditions that would affect validity of warranties or bonds.
 - 1. Include procedures to follow and required notifications for warranty claims.

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

SECTION 01 78 39
PROJECT RECORD DOCUMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for Project Record Documents, including the following:
1. Record Drawings.
 2. Record specifications.
 3. Record Product Data.
 4. Miscellaneous record submittals.
- B. Related Requirements:
1. Section 01 73 00 – Execution Requirements
 2. Section 01 75 00 - Starting and Adjusting
 3. Section 01 77 00 - Closeout Procedures
 4. Section 01 78 23 - Operation and Maintenance Data
 5. Section 01 78 39 - Project Record Documents

1.3 RECORD DRAWINGS

- A. Record Prints: Maintain one set of marked-up paper copies of the Contract Drawings and Shop Drawings, incorporating new and revised drawings as modifications are issued.
1. Preparation: Mark record prints to show the actual installation, where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to provide information for preparation of corresponding marked-up record prints.
 - a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
 - b. Accurately record information in an acceptable drawing technique.
 - c. Record data as soon as possible after obtaining it.
 - d. Record and check the markup before enclosing concealed installations.
 - e. Cross-reference record prints to corresponding photographic documentation.
 2. Content: Types of items requiring marking include, but are not limited to, the following:
 - a. Dimensional changes to Drawings.

- b. Revisions to details shown on Drawings.
 - c. Depths of foundations.
 - d. Locations and depths of underground utilities.
 - e. Revisions to routing of piping and conduits.
 - f. Revisions to electrical circuitry.
 - g. Actual equipment locations.
 - h. Duct size and routing.
 - i. Locations of concealed internal utilities.
 - j. Changes made by Change Order or Construction Change Directive.
 - k. Changes made following Architect's written orders.
 - l. Details not on the original Contract Drawings.
 - m. Field records for variable and concealed conditions.
 - n. Record information on the Work that is shown only schematically.
3. Mark the Contract Drawings and Shop Drawings completely and accurately. Use personnel proficient at recording graphic information in production of marked-up record prints.
 4. Mark record prints with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
 5. Mark important additional information that was either shown schematically or omitted from original Drawings.
 6. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.

1.4 RECORD PROJECT DRAWINGS

- A. Record Drawings: Upon completion of the Work, submit one set of reproducible drawings made from DSA approved stamped originals from the Architect for preparation of Record Set. In addition, provide scanned copy of the final set.
- B. Format: Identify and date each Record Drawing; include the designation "PROJECT RECORD DRAWING" in a prominent location.
 1. Record Prints: Organize record prints into manageable sets. Bind each set with durable paper cover sheets. Include identification on cover sheets.
 2. Format: Annotated PDF electronic file on a Flash Drive.
 3. Record Digital Data Files: Organize digital data information into separate electronic files that correspond to each sheet of the Contract Drawings. Name each file with the sheet identification. Include identification in each digital data file.
 4. Identification: As follows:
 - a. Project name.
 - b. Date.
 - c. Designation "PROJECT RECORD DRAWINGS."

- d. Name of Architect
- e. Name of Contractor.
5. Neatly and accurately transfer data from record job set prints specified in Section 01 50 00, "Temporary Facilities & Controls".
6. Mark Record Prints to show the actual installation where installation varies from that shown originally.
 - a. Require individual or entity who obtained record data, whether individual or entity is Installer, subcontractor, or similar entity, to prepare the marked-up Record Prints.
 - b. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
 - c. Record data as soon as possible after obtaining it. Record and check the markup before enclosing concealed installations.
7. Mark the Contract Drawings or Shop Drawings, whichever is most capable of showing actual physical conditions, completely and accurately. If Shop Drawings are marked, show cross-reference on the Contract Drawings.
8. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at same location.
9. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, and similar identification, where applicable.
10. Graphic quality shall be equal to that of the original document.
11. Incorporate changes and additional information previously marked on record prints. Delete, redraw, and add details and notations where applicable.
12. Refer instances of uncertainty to Architect for resolution.
13. Organize Record Prints and newly prepared Record Drawings into manageable sets. Bind each set with durable paper cover sheets. Include identification on cover sheets.
14. Provide PDF files on a flash drive to Architect.
- C. Record Specifications: Submit one copy of Project's Specifications, including addenda and contract modifications.
 1. Preparation: Mark Specifications to indicate the actual product installation where installation varies from that indicated in Specifications, addenda, and contract modifications.
 - a. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
 - b. Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
 - c. Record the name of manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.
 - d. Note related Change Orders, Record Product Data, and Record Drawings where applicable.
 2. Miscellaneous Record Submittals:

- a. Assemble miscellaneous records required by other Specification Sections for miscellaneous record keeping and submittal in connection with actual performance of the Work. Bind or file miscellaneous records and identify each, ready for continued use and reference.

D. Final Record Drawing Submittals:

1. Cost of Record Set reproducibles and all preparation shall be paid by Contractor at no additional cost to Owner.
 2. Sign and date Record Job Sets and Record Sets, certifying that the information and data added is accurate and complete.
 3. Record drawings and specifications not complying with specified criteria shall be rejected.
 4. Prior to submission for final payment, review Record Drawing Set and Project Manual(s) with Architect and obtain approval of the scope of transfer. Architect will provide a list of corrections required. If corrections are required, update Record Set with all requested updates and resubmit to Architect. Following approval, submit Record Job Sets and Record Set to Architect with claim for final Application for Payment.
 5. Coordinate preparation of Record Job Sets and Record Drawing Set and Project Manual(s) with work under separate contract. Coordinate preparation of interim Job Record Sets and Record Sets to coincide with completion of work areas. At completion of project, assemble all interim sets into final composite Job Record Set, Record Set and Record Project Manual(s).
 6. Provide PDF files on a flash drive to Architect.
- A. Reports: Submit written report indicating items incorporated into Project Record Documents concurrent with progress of the Work, including revisions, concealed conditions, field changes, product selections, and other notations incorporated.
1. Incorporate changes and additional information previously marked on record prints. Delete, redraw, and add details and notations where applicable.
 2. Refer instances of uncertainty to Architect for resolution.
 3. Architect will furnish Contractor with one set of digital data files of the Contract Drawings for use in recording information.
 - a. See Section 01 31 00, "Project Management and Coordination" for requirements related to use of Architect's digital data files.
 - b. Architect will provide data file layer information. Record markups in separate layers.

1.5 RECORD SPECIFICATIONS

- A. Preparation: Mark Specifications to indicate the actual product installation, where installation varies from that indicated in Specifications, addenda, and Contract modifications.
1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
 2. Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
 3. Record the name of manufacturer, supplier, Installer, and other information necessary to provide a record of selections made.

4. For each principal product, indicate whether Record Product Data has been submitted in operation and maintenance manuals instead of submitted as Record Product Data.
 5. Note related Change Orders, Record Product Data, and Record Drawings where applicable.
- B. Format: Submit record specifications as **annotated PDF electronic file** scanned PDF electronic file(s) of marked-up paper copy of Specifications.

1.6 RECORD PRODUCT DATA

- A. Recording: Maintain one copy of each submittal during the construction period for Project Record Document purposes. Post changes and revisions to Project Record Documents as they occur; do not wait until end of Project.
- B. Preparation: Mark Product Data to indicate the actual product installation where installation varies substantially from that indicated in Product Data submittal.
1. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
 2. Include significant changes in the product delivered to Project site and changes in manufacturer's written instructions for installation.
 3. Note related Change Orders, Record Specifications, and Record Drawings where applicable.
- C. Format: Submit Record Product Data as **annotated PDF electronic file** scanned PDF electronic file(s) of marked-up paper copy of Specifications.
1. Include Record Product Data directory organized by Specification Section number and title, electronically linked to each item of Record Product Data.

1.7 MISCELLANEOUS RECORD SUBMITTALS

- A. Assemble miscellaneous records required by other Specification Sections for miscellaneous record keeping and submittal in connection with actual performance of the Work. Bind or file miscellaneous records and identify each, ready for continued use and reference.
- B. Format: Submit miscellaneous record submittals as scanned PDF electronic file(s) of marked-up paper copy of Specifications.
1. Include miscellaneous record submittals directory organized by Specification Section number and title, electronically linked to each item of miscellaneous record submittals.

1.8 MAINTENANCE OF RECORD DOCUMENTS

- A. Maintenance of Record Documents: Store Record Documents in the field office apart from the Contract Documents used for construction. Do not use Project Record Documents for construction purposes. Maintain Record Documents in good order and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to Project Record Documents for Architect's and Owner's reference during normal working hours.

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

SECTION 01 79 00

DEMONSTRATION AND TRAINING

PART 1 - GENERAL

1.1 SECTION INCLUDES

1. Requirements for seminars and system demonstrations.

1.2 DEMONSTRATION AND INSTRUCTIONS

- A. Demonstrate operation and maintenance of Products to Owner's personnel within seven (7) calendar days of Substantial Completion, prior to occupancy.
- B. Demonstrate Project equipment by a qualified manufacturers' representative who is knowledgeable about the Project.
- C. For equipment or systems requiring seasonal operation, perform demonstration for other seasons within six months.
- D. Utilize operation and maintenance manuals as basis for instruction. Review contents of manual with Owner's personnel in detail to explain all aspects of operation and maintenance.
- E. Demonstrate start-up, operation, control, adjustment, trouble-shooting, servicing, maintenance and shutdown of each item of equipment at agreed-upon times at equipment location.
- F. Prepare and insert additional data in operations and maintenance manuals when need for additional data becomes apparent during instruction.
- G. The amount of time required for instruction on each item of equipment and system is that specified in individual sections.

1.3 DESCRIPTION

A. Seminar Agenda and Outline:

1. Prepare a seminar agenda and outline in consultation and cooperation with Architect, Architect's consultants, and Owner. Include following:
 - a. Equipment and systems which will be included in seminars.
 - b. Name of companies and representatives presenting at seminars.
 - c. Outline of each seminar's content.
 - d. Time and date allocated to each system and item of equipment.
2. Submit a preliminary seminar agenda and outline for review and comment by Owner.
3. Revise and resubmit agenda and outline until all seminar requirements have been satisfied and seminar dates and presenters have been finalized.
4. Submit a final seminar agenda and outline no later than eight weeks before date of Acceptance of Work.

B. Seminar Organization:

1. Coordinate qualification of training personnel, seminar contents, and presentations with Owner.
2. Coordinate individual presentations and ensure manufacturer's representatives scheduled to

be at training seminars are present.

3. Qualified Contractor or Sub-contractor personnel familiar with design, operation, maintenance and troubleshooting of equipment and systems shall lead seminars.
4. Coordinate individual presentations and ensure manufacturer's representatives scheduled to be at training seminars are present.
5. All presentation leaders shall be familiar with design, operation, maintenance and troubleshooting of equipment and systems.
6. Where a single person is not familiar with all aspects of equipment or system; arrange for specialists familiar with each aspect.
7. Coordinate proposed seminar dates with Owner and select mutually agreeable dates.
8. Videotaping: Arrange for videotaping of training seminars and system demonstrations, including seminar and demonstration questions and answers.

C. Seminar Content:

1. Contractor or manufacturer's representative will explain design philosophy of primary systems.
2. Include following information in presentations dealing with specific systems:
 - a. An overview of how system is intended to operate.
 - b. Describe design parameters, constraints and operational requirements.
 - c. Describe system operation strategies.
 - d. Provide information to help in identifying and troubleshooting problems.
 - e. Explanation of how equipment operates.
 - f. Recommended preventative and routine maintenance.

D. System Demonstration:

1. Demonstrate operation of equipment and systems when specified in individual technical sections. Include following in demonstration.
 - a. Start-up and shut down.
 - b. Operation.
 - c. Scheduled and preventative maintenance.
 - d. Troubleshooting.
2. Demonstration may be conducted at time of original starting with Owner's prior approval.
3. Use manufacturer's operation and maintenance data as basis of instruction.

E. Seminar and Demonstration Questions:

1. Be prepared to answer questions raised by attendees at demonstrations and seminars.
2. If unable to satisfactorily answer questions immediately, provide written response within three days.
3. Be prepared to answer questions raised by Owner's personnel at demonstrations and seminars.

1.4 SUBMITTALS **DISTRICT TO VERIFY IF THEY WANT VIDEO RECORDS ON ANY PROJECTS**

- A. Provide closeout submittals per Section 01 77 19, “Closeout Requirements”, Section 01 78 23, “Operation and Maintenance Data” and Section 01 78 39, “Project Record Documents”
 - a. Video-records: Submit two copies; include label on each video disc and on each container identifying Project and Seminar content.

PART 2 - PRODUCTS

2.1 NOT USED

PART 3 - EXECUTION

3.1 NOT USED

END OF SECTION

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. Equipment under "GROUP 2 – FURNITURE PACKAGE" will be Bid under a separate package
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 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/ESjs7rGVdF9CgFIUKzREds8BjliP N8x9dma29WrjxegncQ?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.
- 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 California 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 2019, 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 2019, 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.
 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. Semiexposed 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 Undershelf 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 Undershelf 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 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. 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.

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.
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 118-404.2.4.1) 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, 2019 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 cooper 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

SIS# W010

Project Name: Yuba CCD I Woodland Community College

Project Job Number: 2019-0158

ITEM # 1-05 EXTERIOR WORK TABLE W/2 COMPARTMENT PREP SINKS (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: PTS-WBB-30135

1. One (1) Model PTS-WBB-30135 Approximately 11'-3" l x 2'-6" w. Provide exterior Stainless Fixtures, Inc. stainless steel work table with 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.
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.

ITEM # 1-07 CHEMICAL STORAGE SHELVING UNITS (**GROUP 2 – FURNITURE PACKAGE**)

WFD

FOOD SERVICE EQUIPMENT
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Quantity: Two (2)
Manufacturer: Cambro
Model: CAMSHELVING

1. Two (2) Model CAMSHELVING (LOT) 4 tier, 21" deep shelving units, posts to be 72" high. Posts and traverses shall be made of steel metal core with thick polypropylene covers. Shelf plates

ITEM # 1-09 SPARE NO.

ITEM # 1-10 SPARE NO.

ITEM # 1-17 WASHER MACHINE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: GE
Model: PROFILE HARMONY

1. One (1) Model PROFILE HARMONY washer machine. PROFILE HARMONY

ITEM # 1-18 WORK TABLE W/PREP SINK ASSEMBLY (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: PTS-WBB-3075

1. One (1) Model PTS-WBB-3075 Approximately 6'-3" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel work table with 1-5/8" legs with adjustable bullet feet, lower and/or mid shelves, 6" high back and end splash (where required). Top shall be 14 ga stainless steel, and legs shall be 16 ga.
2. One (1) Model PREP SINK Provide 16 ga stainless steel sink tub measuring approximately 18" w x 18" d x 12" h. Welded in place with polished seams.
3. One (1) Fisher Model 29033 DrainKing Waste Valve, flat strainer, overflow body, chrome finish
4. One (1) This item to have polished edges standard.

ITEM # 1-19 SPARE NO.

ITEM # 1-20 SPARE NO.

ITEM # 1-21 DRYER MACHINE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: GE
Model: PROFILE HARMONY

1. One (1) Model PROFILE HARMONY washer machine. PROFILE HARMONY

ITEM # 1-22 SECURITY UNIT (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: Two (2)
Manufacturer: Cambro
Model: CPU244864SUPKG

1. Two (2) Model CPU244864SUPKG Camshelving® Stationary Security Unit, 26-3/4"W x 50-1/4"L x 64-1/2"H, includes: (2) stationary post kits, (2) vented shelf kits: steel posts with polypropylene exterior, molded in dovetails & (2) sets of post connectors, and (1) stainless steel full wrap security cage (CPFWSC244860), weight bearing capacity of 800 lbs.

ITEM # 1-23 DRY STORAGE SHELVING UNITS (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: Eighteen (18)
Manufacturer: Cambro
Model: CAMSHELVING

1. Eighteen (18) Model CAMSHELVING (LOT) 4 tier, 21" deep shelving units, posts to be 72" high. Posts and traverses shall be made of steel metal core with thick polypropylene covers. Shelf plates shall be removable to be washed manually or fit into a standard 20 x20" rack for use in a commercial dishwasher. Shelf plates shall contain CamGuard, antimicrobial that inhibits the growth of mold, fungus and bacteria. Shelves to be vented with the exception of the bottom shelf, which should be solid shelf plates. Posts shall have dovetails that allow shelves to be adjusted in 4" increments. Provide dunnage stands for the bottom shelf for all traverses 54" or longer and at corners where corner connectors are used. Shelving should have a "Life Time Warranty" against rust and corrosion and be NSF approved. Provide in the configuration shown on plans, verify final sizes of shelves and posts by field measuring prior to ordering.

ITEM # 1-28 DUNNAGE RACK (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: Four (4)
Manufacturer: Cambro
Model: DRS480480

1. Four (4) Model DRS480480 S-Series Dunnage Rack, slotted top, 3000 lb. load capacity, 21"D x 48"W x 12"H, polypropylene, one-piece, seamless double wall construction, includes (1) Camlink®, 4" square legs, speckled gray, NSF

ITEM # 1-29 **DUNNAGE RACK (GROUP 2 – FURNITURE PACKAGE)**

Quantity: Two (2)
Manufacturer: Cambro
Model: DRS

1. Two (2) Model DRS S-Series Dunnage Rack, slotted top, 3000 lb. load capacity, 21"D x 48"W x 12"H and one 21"D x 36"W x 12"H, polypropylene, one-piece, seamless double wall construction, includes (1) Camlink®, 4" square legs, speckled gray, NSF

ITEM # 1-30 SPARE NO.

ITEM # 1-34 **TRAY DRYING / STORAGE RACK (GROUP 2 – FURNITURE PACKAGE)**

Quantity: Two (2)
Manufacturer: Cambro
Model: CPMU244875DRPKG

1. Two (2) Model CPMU244875DRPKG Camshelving® Mobile Drying Rack Cart, 24"W x 48"L x 75"H, holds (84) trays, includes: drying racks for (3) levels, (6) mobile traverses, (2) pre-assembled mobile post kits, (4) premium swivel casters with total locking brake, speckled gray, NSF

ITEM # 1-35 **REFRIGERATOR/FREEZER RACK, ROLL-IN (GROUP 2 – FURNITURE PACKAGE)**

Quantity: Four (4)
Manufacturer: Metro
Model: RF13N

1. Four (4) Model RF13N Roll-In Refrigerator Rack, pass-thru, 21-1/4"W x 64"H, 26"D, open frame design, slides on 1-1/2" centers, holds (36) 18" x 26" pans, sized to fit refrigerator, riveted extruded aluminum frame construction, 5" swivel casters (2) with brakes, NSF

ITEM # 1-36 **TRASH RECEPTACLE W/ DOLLY (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Rubbermaid Commercial Products
Model: FG262000GRAY

1. One (1) 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. One (1) Model FG264043BLA BRUTE® Quiet Dolly, 18-1/4"D x 6-5/8"H, non-marking casters, black, NSF, Made in USA

ITEM # 1-37 DRYING STORAGE RACK (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Cambro
Model: CPMU244875PDPKG

1. One (1) Model CPMU244875PDPKG Camshelving® Premium Mobile Angled Drying Rack Cart, 24"W x 48"L x 75"H, includes: (4) boxes of drying cradles for (4) levels, (8) mobile traverses, (2) pre-assembled post kits, (4) premium swivel casters with total locking brake, speckled gray, NSF

ITEM # 1-39 SPARE NO.

ITEM # 1-40 SPARE NO.

ITEM # 1-43 WORK TABLE W/2 COMPARTMENT PREP SINKS (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: PTS-WBB-30-96

1. One (1) Model PTS-WBB-30-96 Approximately 8'-0" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel work table with 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.
2. One (1) Model 2 COMP SINK Provide 16 ga stainless steel with 2 compartment sink tub measuring approximately 18" w x 18" 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.
5. One (1) Marine edge work table

ITEM # 1-44 SPARE NO.

ITEM # 1-45 SANDWICH / SALAD PREPARATION REFRIGERATOR (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: True Manufacturing Co., Inc.
Model: TSSU-60-10-ADA-HC

1. One (1) Model TSSU-60-10-ADA-HC Sandwich/Salad Unit, 34" work surface height, (10) 1/6 size (4"D) poly pans, stainless steel insulated cover, 11-3/4"D cutting board, (2) full doors, (4) PVC coated adjustable wire shelves, stainless steel top/front/sides, aluminum back, aluminum interior with stainless steel floor, 3" castors, R290 Hydrocarbon refrigerant, 1/3 HP, 115v/60/1-ph, 6.5 amps, NEMA 5-15P, cULus, UL EPH Classified, ADA Compliant, Made in USA
2. One (1) Warranty - 3 year parts and labor, please visit www.Truefmfg.com for specifics
3. One (1) Self-contained refrigeration standard
4. One (1) Warranty - 7 year compressor (self-contained only), please visit www.Truefmfg.com for specifics (updated warranty sheet pending from True)

ITEM # 1-48 SPARE NO.

ITEM # 1-49 SPARE NO.

ITEM # 1-50 SPARE NO.

ITEM # 1-54 TRASH RECEPTACLE W/ DOLLY (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Rubbermaid Commercial Products
Model: FG262000GRAY

1. One (1) 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. One (1) Model FG264043BLA BRUTE® Quiet Dolly, 18-1/4"D x 6-5/8"H, non-marking casters, black, NSF, Made in USA

ITEM # 1-55 3 COMPARTMENT POT SINK (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: PS3-WBB-30162

1. One (1) Model PS3-WBB-30162 Approximately 13'-6" 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.
2. Three (3) Model SINKS Provide 16 ga stainless steel sink tub measuring approximately 18" 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 # 1-58 SPARE NO.

ITEM # 1-59 SPARE NO.

ITEM # 1-60 SPARE NO.

ITEM # 1-62 DISH CART W/ DOLLY (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: Two (2)
Manufacturer: Cambro
Model: DCS1125110

1. Two (2) Model DCS1125110 Versa Dish Caddy, holds up to 11-1/4" round plates or up to 9-1/2" square plates, holds (4) columns, non-adjustable, vinyl cover, (2) 5" swivel casters with brakes & (2) 10" rear wheels, polyethylene, black, NSF

ITEM # 1-63 CLEAN DISH TABLE (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model CDT-WBB Approximately 5'-9" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel landing table 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.
2. One (1) This item to have polished edges standard.

ITEM # 1-64 SPARE NO.

ITEM # 1-65 SOILED DISH TABLE W/QUICK DRAIN (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: SDT-WBB-3096

1. One (1) Model SDT-WBB-3096 Approximately 8'-0" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel landing table with 1-5/8" legs with adjustable bullet feet, under and/or mid shelves, quick drain assembly, 10" high back and end splash (where required). Top shall be 14 ga

- stainless steel, and legs shall be 16 ga.
2. One (1) Model SCRAP SINK Provide 16 ga stainless steel sink tub measuring approximately 20" l x 18" w x 8" d. Welded in place with polished seams. Provide with rotary waste valve.
 3. One (1) Model SCRAP BASKET Provide 16 ga stainless steel scrap basket measuring 19 ½" l x 19 ½" w x 7 ¾" d. Scrap basket to be constructed with coved corners, perforated holes, welded ¼" x ¼" h round solid stainless steel rod feet, and rack glide. Perforated holes to be 3/16" at ½" on center on all four sides and bottom of basket. Rack glide with lift out handles, to be square tubing and fully welding.
 4. One (1) This item to have polished edges standard.

ITEM # 1-66 HOSE REEL (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: T&S Brass
Model: B-7132-10

1. One (1) Model B-7132-10 Hose Reel, open, 3/8" x 35' hose with extended swivel spray wand valve, with ratcheting system & adjustable hose bumper, stainless steel
2. One (1) 1 year limited warranty for hose, standard
3. One (1) 2 year limited warranty for hose reel, standard

ITEM # 1-67 TRASH RECEPTACLE W/ DOLLY (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Rubbermaid Commercial Products
Model: FG262000GRAY

1. One (1) 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
2. One (1) All-plastic, professional-grade construction will not rust, chip or peel; resists dents.
3. One (1) Reinforced rims add strength and durability
4. One (1) Built-in handles allow easy, non-slip lifting and anti-jam nesting
5. One (1) Double-ribbed base increases stability and dragging capacity
6. One (1) USDA Meat & Poultry Equipment Group listed and assist in complying with HACCP guidelines.
7. One (1) Certified to NSF Standard #2 and Standard #21
8. One (1) Model FG264043BLA BRUTE® Quiet Dolly, 18-1/4"D x 6-5/8"H, non-marking blue casters, black

ITEM # 1-70 SPARE NO.

ITEM # 1-72 **SOAK SINK (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Piper Products/Servolift Eastern
Model: 337-3474

1. One (1) Model 337-3474 Portable Soak Sink, undercounter, with chute, 24" x 24" x 8" deepbowl, lever waste, stainless steel construction, (4) braked casters
2. One (1) 1 year warranty parts and labor from date of purchase

ITEM # 1-73 **HANDS FREE ELECTRONIC FAUCET (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: T&S Brass
Model: EC-3100-BA

1. One (1) Model EC-3100-BA ChekPoint™ Electronic Faucet, deck mount, 4-1/8" rigid gooseneck with 2.2 GPM VR aerator, single hole, AC/DC control module, internal flow control setting switches, mechanical temperature control mixing valve with check valves, 18" flexible stainless steel supply hose, low lead, cCSAus, cULus, ADA Compliant
2. One (1) Model B-0199-09 Aerator, vandal resistant, 15/16"-27 UNF male thread
3. One (1) 3 year limited warranty, standard

ITEM # 1-74 **WORK COUNTER W/PREP SINK ASSEMBLY (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: WCP-WBB-3074

1. One (1) Model WCP-WBB-3074 Approximately 6'-2" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel work counter with undershelf and/or mid shelf, galvanized metal base, and 6" high back and end splash (where required). Top shall be 14 ga stainless steel, body to be 16 ga.
2. One (1) Model PREP SINK Provide 16 ga stainless steel sink tub measuring approximately 18" w x 18" d x 12" h. Welded in place with polished seams.
3. One (1) Fisher Model 29033 DrainKing Waste Valve, flat strainer, overflow body, chrome finish
4. One (1) This item to have polished edges standard.

ITEM # 1-75 COFFEE BREWER W/ WATER FILTER (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: FETCO
Model: CBS-1152-V+ (E115251)

1. One (1) Model CBS-1152-V+ (E115251) Extractor® V+™ Series Coffee Brewer, twin, 1.5 gallon capacity, digital touchpad operation, adjustable brew time and volume, streamlined programming and diagnostics, manual hot water service, 2 x 3.0kW heater, 208-240v, 1-ph, 2+G wires, 22.4 - 25.8 max amp draw, 4.6 - 6.1kW, terminal block, 15.3 gallons per hour, UL, cUL, NSF (Use with FETCO D449 - sold separately) (Manufactured standard with plastic brew basket - metal brew basket sold separately)
2. One (1) NOTE: Pricing and specifications subject to change with or without notice - Please call 1.800.FETCO.99 for confirmation
3. One (1) Circuit board: 3 year parts & 1 year labor warranty, standard
4. One (1) Electro-mechanical parts: 2 year parts & 1 year labor warranty, standard
5. One (1) All other parts: 1 year parts & 1 year labor warranty, standard

ITEM # 1-76 TRASH RECEPTACLES (COUNTER TALL) (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Rubbermaid Commercial Products
Model: 1971258

1. One (1) Model 1971258 Slim Jim® Container, 16 gallon, 22"L x 11"W x 25"H, with venting channels, molded-in handles, general purpose waste, open type without lid, high-impact plastic construction, gray, Made in USA

ITEM # 1-77 WATER FILTRATION SYSTEM (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: FETCO
Model: PART OF ITEM #1-75

1. One (1) Model PART OF ITEM #1-75 Water Filtration System - Part of Item #1-75

ITEM # 1-78 SPARE NO.

ITEM # 1-79 SPARE NO.

ITEM # 1-82 ICE MAKER (SELF-CONTAINED) (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Manitowoc
Model: IYT1200N

1. One (1) Model IYT1200N Indigo NXT™ Series Ice Maker, cube-style, air-cooled, designed for remote refrigeration, 30"W x 24-1/2"D x 29-1/2"H, production capacity up to 1215 lb/24 hours at 70°/50° (1000 lb AHRI certified at 90°/70°), DuraTech™ exterior, half-dice size cubes, R410A refrigerant, NSF, cULus
2. One (1) Model WARRANTY-ICE-R 3 year parts & labor (Machine), 5 year parts & labor (Evaporator), standard
3. One (1) (-261A) 208-230v/60/1-ph, 11.0 amps, standard
4. One (1) NOTE: Tubing required for installation, must select length required

ITEM # 1-83 ICE BIN FOR ICE MACHINES (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Follett LLC
Model: DEV1080SG-60-ICS125

1. One (1) Model DEV1080SG-60-ICS125 Ice-DevIce™ with Cambro ICS125L Cart, 1080 lb. bin storage capacity, with front chute, poly liner, SmartGATE ice shield, poly door with PowerHinge™ door hinge, full stainless steel exterior and base, ABS/poly top custom cut for ice machine, includes 82 oz plastic ice scoop, paddle and rake set, and (1) fully insulated polyethylene cart with slide back lid, cart capacity 125 lbs, for cube or Chewblet ice only, NSF
2. One (1) 5 year parts & labor warranty, standard

ITEM # 1-85 REACH-IN REFRIGERATOR (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: True Manufacturing Co., Inc.
Model: STR2R-2S-HC

1. One (1) 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 refrigerant, 1/2 HP, 115v/60/1-ph, 5.9 amps, NEMA 5-15P, cULus, UL EPH Classified, Made in USA
2. One (1) Warranty - 7 year compressor (self-contained only), please visit www.Truemfg.com for

PACKAGE)

Quantity: Two (2)
Manufacturer: Rubbermaid Commercial Products
Model: 1971258

1. Two (2) Model 1971258 Slim Jim® Container, 16 gallon, 22"L x 11"W x 25"H, with venting channels, molded-in handles, general purpose waste, open type without lid, high-impact plastic construction, gray, Made in USA

ITEM # 1-94 3 COMPARTMENT POT SINK **(GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Stainless Fixtures Inc
Model: PS3-WBB-120

1. One (1) Model PS3-WBB-120 Approximately 8'-6" 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.
2. Three (3) Model SINKS Provide 16 ga stainless steel sink tub measuring approximately 18" 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.

Model: B-0291

ITEM # 1-96 UTENSIL RACK **(GROUP 2 – FURNITURE PACKAGE)**

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

1. One (1) Model UR-WBB Approximately 4'-6" 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.
2. One (1) This item to have polished edges standard.

ITEM # 1-98 TRASH RECEPTACLE W/ DOLLY **(GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Rubbermaid Commercial Products
Model: FG262000GRAY

1. One (1) Model FG262000GRAY ProSave® BRUTE® Container, without lid, 20 gallon, 19-1/2"D

WFD

FOOD SERVICE EQUIPMENT
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- x 22-7/8"H, round, reinforced rims, built in handles, double rimmed base, high-impact plastic construction, gray, NSF
2. One (1) All-plastic, professional-grade construction will not rust, chip or peel; resists dents.
 3. One (1) Reinforced rims add strength and durability
 4. One (1) Built-in handles allow easy, non-slip lifting and anti-jam nesting
 5. One (1) Double-ribbed base increases stability and dragging capacity
 6. One (1) USDA Meat & Poultry Equipment Group listed and assist in complying with HACCP guidelines.
 7. One (1) Certified to NSF Standard #2 and Standard #21
 8. One (1) Model FG264043BLA BRUTE® Quiet Dolly, 18-1/4"D x 6-5/8"H, non-marking blue casters, black

ITEM # 1-99 SPARE NO.

ITEM # 1-100 SPARE NO.

ITEM # 1-102 **MOBILE HEATED CABINET (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Cres Cor
Model: H-137-SUA-12D-SD

1. One (1) Model H-137-SUA-12D-SD Cabinet, Mobile Heated, insulated, top-mount heater assembly, lockable slide bolt door latches, (12) sets extruded aluminum transport angles, slides on 4-1/2" centers adjustable 1-1/2" centers, side impact panels, field reversible dutch doors, solid state electronic control, LED digital display, full perimeter bumper, rear push/pull handle, dry erase panel, (4) heavy duty 6" modulus casters (2) braked, stainless steel construction, NSF, cCSAus, ENERGY STAR®
2. One (1) Standard Warranty: 1 year labor with 3 year parts warranty
3. One (1) 120v/60/1-ph, 1.5 kW, 12.0 amp, 10 ft power cord, NEMA 5-15P, standard
4. One (1) Right-hand door swing (top & bottom doors), standard

ITEM # 1-103 **REACH-IN REFRIGERATOR (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: True Manufacturing Co., Inc.
Model: STR2R-2S-HC

1. One (1) 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 refrigerant, 1/2 HP, 115v/60/1-ph, 5.9 amps, NEMA 5-15P, cULus, UL EPH Classified, Made in USA

2. One (1) Warranty - 7 year compressor (self-contained only), please visit www.Truefmfg.com for specifics (updated warranty sheet pending from True)
3. One (1) Warranty - 3 year parts and labor, please visit www.Truefmfg.com for specifics
4. One (1) Left door hinged left, right door hinged right standard
5. One (1) Left section Spec Kit #4 - (3) chrome shelves & shelf supports
6. One (1) Right section Spec Kit #4 - (3) chrome shelves & shelf supports
7. One (1) 5" castors, set of 4, standard

ITEM # 1-104 **MOBILE WORK TABLE (GROUP 2 – FURNITURE PACKAGE)**

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-105 **MOBILE WORK TABLE (GROUP 2 – FURNITURE PACKAGE)**

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-106 **PLANETARY MIXER (FUTURE) (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Hobart
Model: HL200-1STD

1. One (1) Model HL200-1STD 100-120/50/60/1; Bench type mixer; with bowl, beater, whip & spiral dough arm, US/EXP configuration - Legacy Planetary Mixer, Bench, 20 quart, (3) fixed speeds plus stir speed, gear-driven transmission, 15-minute SmartTimer™, #12 taper hub, manual bowl lift, stainless steel bowl, aluminum "B" beater, stainless steel "D" wire whip, aluminum "ED" spiral dough arm, stainless steel bowl guard, 1/2 hp, cord with plug
2. One (1) Standard warranty - 1-Year parts, labor & travel time during normal working hours within the USA

ITEM # 1-107 EQUIPMENT STAND, FOR MIXER / SLICER (**GROUP 2
– FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Hobart
Model: TABLEHW-HL2012

1. One (1) Model TABLEHW-HL2012 Mixer Table; 27"W x 32"D x 26"H, the top shelf is drilled for mounting an HL120 or HL200 mixer, includes 4 posts for storing attachments, a lower shelf for additional storage, & (4) locking 5" diameter wheels

ITEM # 1-108 SPARE NO.

ITEM # 1-109 SPARE NO.

ITEM # 1-110 SPARE NO.

ITEM # 1-111 PLANETARY MIXER (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: Two (2)
Manufacturer: Hobart
Model: HL200-1STD

1. Two (2) Model HL200-1STD 100-120/50/60/1; Bench type mixer; with bowl, beater, whip & spiral dough arm, US/EXP configuration - Legacy Planetary Mixer, Bench, 20 quart, (3) fixed speeds plus stir speed, gear-driven transmission, 15-minute SmartTimer™, #12 taper hub, manual bowl lift, stainless steel bowl, aluminum "B" beater, stainless steel "D" wire whip, aluminum "ED" spiral dough arm, stainless steel bowl guard, 1/2 hp, cord with plug
2. Two (2) Standard warranty - 1-Year parts, labor & travel time during normal working hours within the USA

ITEM # 1-112 EQUIPMENT STAND, FOR MIXER / SLICER (**GROUP 2 – FURNITURE
PACKAGE**)

Quantity: Two (2)
Manufacturer: Hobart
Model: TABLEHW-HL2012

1. Two (2) Model TABLEHW-HL2012 Mixer Table; 27"W x 32"D x 26"H, the top shelf is drilled for mounting an HL120 or HL200 mixer, includes 4 posts for storing attachments, a lower shelf for additional storage, & (4) locking 5" diameter wheels

ITEM # 1-113 **INGREDIENT BIN (GROUP 2 – FURNITURE PACKAGE)**

Quantity: Three (3)
Manufacturer: Cambro
Model: IBS27148

1. Three (3) Model IBS27148 Ingredient Bin, mobile, 27 gallon capacity, 1-pc seamless polyethylene bin, 2-pc sliding polycarbonate lid, S-hook on front (scoop NOT included), (4) 3" heavy duty casters (2 front swivel, 2 fixed), white with clear cover, NSF

ITEM # 1-114 **WORK TABLE W/PREP SINK ASSEMBLY (GROUP 2 – FURNITURE PACKAGE)**

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

1. One (1) Model PTS-WBB Approximately 12'-0" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel work table with 1-5/8" legs with adjustable bullet feet, lower and/or mid shelves, 6" high back and end splash (where required). Top shall be 14 ga stainless steel, and legs shall be 16 ga.
2. One (1) Model PREP SINK Provide 16 ga stainless steel sink tub measuring approximately 18" w x 18" d x 12" h. Welded in place with polished seams.
3. One (1) Fisher Model 29033 DrainKing Waste Valve, flat strainer, overflow body, chrome finish
4. One (1) This item to have polished edges standard.
5. One (1) Marine edge table top

ITEM # 1-115 **TRASH RECEPTACLE W/ DOLLY (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Rubbermaid Commercial Products
Model: FG262000GRAY

1. One (1) 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
2. One (1) All-plastic, professional-grade construction will not rust, chip or peel; resists dents.

3. One (1) Reinforced rims add strength and durability
4. One (1) Built-in handles allow easy, non-slip lifting and anti-jam nesting
5. One (1) Double-ribbed base increases stability and dragging capacity
6. One (1) USDA Meat & Poultry Equipment Group listed and assist in complying with HACCP guidelines.
7. One (1) Certified to NSF Standard #2 and Standard #21
8. One (1) Model FG264043BLA BRUTE® Quiet Dolly, 18-1/4"D x 6-5/8"H, non-marking blue casters, black

ITEM # 1-118 **PORTION SCALE (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Globe
Model: GPS10

1. One (1) Model GPS10 Portion Control Scale, digital, 11 lbs. capacity (11 x .1 lbs. -oz. : 176 x .1 oz. / 5 x .01 kg. : 5000 x 1 g), weighs in pounds/ounces, ounces, kilograms and grams, auto power shut off, push button tare, removable 9" x 7" stainless steel weighing platter with marine edge, ABS construction, battery or AC (AC power supply included), 115v/60/1-ph, NEMA1-15P, not legal for trade, NSF
2. One (1) 1 year replacement warranty, standard

ITEM # 1-122 **CONVECTION OVEN, ELECTRIC (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Baxter Manufacturing
Model: OV310E

1. One (1) Model OV310E Mini Rotating Rack Oven, electric, programmable digital controls, independent doors with dual pane windows, self-contained steam system, stainless steel construction, 18.0kW, cUL (shipped assembled)
2. One (1) One year parts and labor warranty, standard
3. One (1) Model ELE0CG 208v/60/3ph, 50 amps, 18.0kW, heating circuit, also requires 120v/60/1ph control circuit (USA)
4. One (1) End-Load, (8) pan capacity with 4.0" spacing, standard

ITEM # 1-123 **COOK HOLD OVEN CABINET SMOKER, ELECTRIC (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Alto-Shaam
WFD

Model: 1200-SK/III

1. One (1) Model 1200-SK/III Halo Heat® Slo Cook and Smoker Oven, electric, low-temperature, double-deck, standard depth, 120 lb. capacity each - (1) rib rack shelf per compartment, (3) full-size pans, deluxe controller, (2) stainless steel wire shelves, (1) exterior drip tray, includes (1) sample bag each of cherry, hickory, apple & maple wood chips, heavy-duty stainless steel, 5" casters; 2 rigid, 2 swivel with brakes, EcoSmart®, cULus, UL EPH ANSI/NSF 4, CE, IPX4, TUV NORD
2. One (1) NOTE: Subject to Manufacturer's Terms & Conditions. See Documents Section
3. One (1) 208-240v/60/1-ph, 32.0-36.3 amps, 7.7-8.7 kW (NO cord or plug)
4. One (1) Solid Door, hinged on right, standard
5. One (1) Stainless steel exterior, standard

ITEM # 1-128 SPARE NO.

ITEM # 1-129 SPARE NO.

ITEM # 1-130 SPARE NO.

ITEM # 1-131 COMBI OVEN, ELECTRIC (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Alto-Shaam
Model: CTP7-20E

1. One (1) Model CTP7-20E Combitherm® CT PROformance™ Combi Oven/Steamer, electric, boiler-free, countertop, capacity (8) 18" x 26" full size sheet or (16) 12" x 20" full size hotel pan (1/1 GN), PROtouch control with steam/convection/combi/retherm modes, removable single-point temperature probe, (2) power levels, (4) cooking modes, programmable cool-down, SafeVent™ steam venting, CombiClean PLUS™ with (5) cleaning levels, CoolTouch3™ glass window, door hinged right, high efficiency LED lighting, (2) side racks with (8) non-tilt support rails, stainless steel construction, adjustable stainless steel legs, EcoSmart®, cULus, UL EPH Classified, CE, IPX5, ENERGY STAR®, EAC, city-wide COA for New York City (Model CTP 7-20EVH)
2. One (1) NOTE: Subject to Manufacturer's Terms & Conditions. See Documents Section
3. One (1) It is the sole responsibility of the owner/operator/purchaser of this equipment to verify that the incoming water supply is comprehensively tested and, if required, provide a means of water treatment that would meet the compliance requirements with the manufacturers water quality standards published on the product spec sheet. Non-compliance with these minimum standards will potentially damage this equipment and/or components and VOID the original equipment manufacturers warranty
4. One (1) Model 5031203 Reverse Osmosis System, 5 gallon hydropneumatic storage tank, up to 175 gpd production, operates at line pressure (non-electric), particulate & chlorine reduction prefilter, mineral-addition cartridge, post-filter for chloramine reduction, full system bypass valve

and valve-in-head system shut off, includes hose, tubing & fittings for installation, compact wall-mount processor with remote storage tank provides installation flexibility (Single Oven Application) ((NET) NO FURTHER DISCOUNTS APPLY)

5. One (1) For Field install, Combitherm Factory Authorized Installation Program (above) MUST be selected for field install option to become available for selection
6. One (1) ECOpower
7. One (1) 208-240v/50/60/3-ph, 45.7-52.7 amps, 16.5-21.9kW, 4-3 AWG, NO cord or plug
8. One (1) Removable single-point temperature probe, standard
9. One (1) Model 5016707 Stacking Hardware, 7-20E or 7-20G over 7-20G
10. One (1) NOTE: Security options not available on recessed door models

ITEM # 1-132 WATER FILTER <Included>

Quantity: One (1)
Manufacturer: Alto-Shaam
Model: PART OF ITEM 1-131

1. One (1) Model PART OF ITEM 1-132 Water Filtration System - Part Of Item 1-132

ITEM # 1-138 SPARE NO.

ITEM # 1-139 SPARE NO.

ITEM # 1-140 SPARE NO.

1. One (1) Model MF 30.2 PLUS MultiFresh Blast Chiller/Shock Freezer, reach-in, one section, self-contained bottom mounted air cooled refrigeration, (5) 18" x 13" or (6) 12" x 20" sheet pan capacity, 66 lbs. blast chilling and shock freezing capacities, from finish cooked temperature 194°F to 37°F in approximately 90 minutes or from the finished cooked temperature 194°F to 0°F in approximately 4 hours on average, touch pad controls, manual defrost, heat cycles: thawing, holding (hot or cold), regeneration, pasteurization, proofing & low temperature cooking, (2) stainless steel wire shelves, MultiSensor 5-point temperature probe, data port & wi-fi capable transfer to HACCP software, SANIGEN sanitation system, removable stainless steel pan supports, 304 stainless steel construction, 4" stainless steel adjustable legs, R404a refrigerant, 1 HP, 208v/60/1-ph, 11.7 amps, AWG 3G15 cord, cULus, UL EPH Classified
2. One (1) (2) year parts and labor warranty, standard
3. One (1) (5) year compressor warranty, standard
4. One (1) With 2 racks, standard
5. One (1) A: Self-contained, air-cooled energy efficient condensing unit, standard
6. One (1) Standard door hanging (hinge on the left)

ITEM # 1-142 **WORK TABLE W/PREP SINK ASSEMBLY (GROUP 2 – FURNITURE PACKAGE)**

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

1. One (1) Model PTS-WBB Approximately 10'-0" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel work table with 1-5/8" legs with adjustable bullet feet, lower and/or mid shelves, 6" high back and end splash (where required). Top shall be 14 ga stainless steel, and legs shall be 16 ga.
2. One (1) Model PREP SINK Provide 16 ga stainless steel sink tub measuring approximately 18" w x 18" d x 12" h. Welded in place with polished seams.
3. One (1) Fisher Model 29033 DrainKing Waste Valve, flat strainer, overflow body, chrome finish
4. One (1) This item to have polished edges standard.

ITEM # 1-144 **TRASH RECEPTACLE W/DOLLY (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Rubbermaid Commercial Products
Model: FG262000GRAY

1. One (1) 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
2. One (1) All-plastic, professional-grade construction will not rust, chip or peel; resists dents.
3. One (1) Reinforced rims add strength and durability
4. One (1) Built-in handles allow easy, non-slip lifting and anti-jam nesting
5. One (1) Double-ribbed base increases stability and dragging capacity
6. One (1) USDA Meat & Poultry Equipment Group listed and assist in complying with HACCP guidelines.
7. One (1) Certified to NSF Standard #2 and Standard #21
8. One (1) Model FG264043BLA BRUTE® Quiet Dolly, 18-1/4"D x 6-5/8"H, non-marking blue casters, black

ITEM # 1-146 **MOBILE POT STORAGE SHELVING UNITS (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Cambro
Model: CAMSHELVING

1. One (1) Model CAMSHELVING (LOT) 4 tier, 21” deep shelving units, posts to be 72” high. Posts and traverses shall be made of steel metal core with thick polypropylene covers. Shelf plates shall be removable to be washed manually or fit into a standard 20 x20” rack for use in a commercial dishwasher. Shelf plates shall contain CamGuard, antimicrobial that inhibits the growth of mold, fungus and bacteria. Shelves to be vented with the exception of the bottom shelf, which should be solid shelf plates. Posts shall have dovetails that allow shelves to be adjusted in 4” increments. Provide with CSRDB donut bumper and CSCTL casters with brake. Shelving should have a “Life Time Warranty” against rust and corrosion and be NSF approved. Verify sizes for shelves and posts by field measuring prior to ordering.

ITEM # 1-147 **ACCESSIBLE WORK TABLE W/ PREP SINK (GROUP 2 – FURNITURE PACKAGE)**

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

1. One (1) Model PTS-WBB Approximately 8'-3" l x 2'-0" w. Provide Stainless Fixtures, Inc. stainless steel work table with 1-5/8" legs with adjustable bullet feet, lower and/or mid shelves, 6" high back and end splash (where required). Top shall be 14 ga stainless steel, and legs shall be 16 ga.
2. One (1) Model PREP SINK Provide 16 ga stainless steel sink tub measuring approximately 18" w x 18" d x 12" h. Welded in place with polished seams.
3. One (1) Fisher Model 29033 DrainKing Waste Valve, flat strainer, overflow body, chrome finish
4. One (1) This item to have polished edges standard.

ITEM # 1-148 SPARE NO.

ITEM # 1-149 SPARE NO.

ITEM # 1-150 SPARE NO.

ITEM # 1-152 TRASH RECEPTACLE W/ DOLLY (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Rubbermaid Commercial Products
Model: FG262000GRAY

1. One (1) 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
2. One (1) All-plastic, professional-grade construction will not rust, chip or peel; resists dents.
3. One (1) Reinforced rims add strength and durability
4. One (1) Built-in handles allow easy, non-slip lifting and anti-jam nesting
5. One (1) Double-ribbed base increases stability and dragging capacity
6. One (1) USDA Meat & Poultry Equipment Group listed and assist in complying with HACCP guidelines.
7. One (1) Certified to NSF Standard #2 and Standard #21
8. One (1) Model FG264043BLA BRUTE® Quiet Dolly, 18-1/4"D x 6-5/8"H, non-marking blue casters, black

ITEM # 1-154 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.

2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-155 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-156 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-157 ADA MOBILE WORK TABLE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)

Manufacturer: Stainless Fixtures Inc
Model: MT-WBB-ADA

1. One (1) Model MT-WBB-ADA Approximately 6'-0" l x 2'-6" 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 # 1-160 SPARE NO.

ITEM # 1-161 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

ITEM # 1-162 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-163 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-164 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

ITEM # 1-165 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-166 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-167 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

ITEM # 1-168 SPARE NO.

ITEM # 1-169 SPARE NO.

ITEM # 1-170 SPARE NO.

ITEM # 1-171 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-172 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.

3. One (1) This item to have polished edges standard.

ITEM # 1-173 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-174 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-175 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.

3. One (1) This item to have polished edges standard.

ITEM # 1-176 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-177 MOBILE WORK TABLE W/ DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 6'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-178 SPARE NO.

ITEM # 1-179 SPARE NO.

ITEM # 1-180 FOOD CARRIER DOLLY (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Cambro
Model: CD1826HB615

1. One (1) Model CD1826HB615 Camdolly®, with handle, 32-1/2"L x 23-1/2"W x 36-1/2"H (exterior dimensions), load capacity 300 lbs., (2) rear 10" easy wheels, (2) 5" swivel casters, (1) with brake, charcoal gray, NSF

ITEM # 1-181 UNDERCOUNTER REFRIGERATOR (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: True Manufacturing Co., Inc.
Model: TUC-48D-4-ADA-HC

1. One (1) Model TUC-48D-4-ADA-HC Undercounter Refrigerator, 34" working height, 33 - 38°F, stainless steel top & sides, (4) drawers each, accommodates (1) 12" x 18" x 6" food pan (NOT included), clear coated aluminum interior with stainless steel floor, 3" castors, R290 Hydrocarbon refrigerant, 1/5 HP, 115v/60/1-ph, 3.0 amps, NEMA 5-15P, cULus, UL EPH Classified, CE, ADA Compliant, Made in USA
2. One (1) Self-contained refrigeration standard
3. One (1) Warranty - 7 year compressor (self-contained only), please visit www.Truemfg.com for specifics (updated warranty sheet pending from True)
4. One (1) Warranty - 3 year parts and labor, please visit www.Truemfg.com for specifics

ITEM # 1-182 ISLAND WORK TABLE W/PREP SINK (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model IT-WBB Approximately 15'-0" l x 5'-0" w. Provide Stainless Fixtures, Inc. stainless steel work table with 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.
2. One (1) Model HAND SINK Provide 16 ga stainless steel sink tub measuring approximately 10" w x 14" d x 7" h. Welded in place with polished seams. Provide with T&S basket strainer.
3. One (1) This item to have polished edges standard.

ITEM # 1-184 MOBILE WORK TABLE W/DRAWER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model MT-WBB Approximately 7'-0" l x 2'-6" 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.
2. One (1) Model DRAWER Provide 16 ga type 304 stainless steel enclosed NSF utensil drawer assembly with metal roller track hardware, removable drawer pan, hemmed safety pull handle and lock measuring approximately 20" l x 20" w x 5" d.
3. One (1) This item to have polished edges standard.

ITEM # 1-185 **INGREDIENT BIN (GROUP 2 – FURNITURE PACKAGE)**

Quantity: Four (4)
Manufacturer: Cambro
Model: IBS27148

1. Four (4) Model IBS27148 Ingredient Bin, mobile, 27 gallon capacity, 1-pc seamless polyethylene bin, 2-pc sliding polycarbonate lid, S-hook on front (scoop NOT included), (4) 3" heavy duty casters (2 front swivel, 2 fixed), white with clear cover, NSF

ITEM # 1-186 **BAKER'S TABLE W/FLOUR EDGE (GROUP 2 – FURNITURE PACKAGE)**

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

1. One (1) Model BKTW-WBB Approximately 7'-0" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel bakers table with 1-5/8" legs with adjustable bullet feet, lower and/or mid shelves, 6" high back and end splash. Top shall be NSF approved solid maple, and legs shall be 16 ga stainless steel.

ITEM # 1-188 **CAN OPENER (GROUP 2 – FURNITURE PACKAGE)**

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

1. One (1) Model S-11 Can Opener, manual, stainless steel, with cast stainless steel base, NSF certified
2. One (1) 5 year limited warranty, standard

ITEM # 1-189 **MICROWAVE OVEN (GROUP 2 – FURNITURE PACKAGE)**

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 # 1-190 SPARE NO.

ITEM # 1-194 EXCALIBUR ISLAND SUITE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: CUSTOM

1. One (1) Model CUSTOM excalibur island suite

ITEM # 1-195 6-OPEN BURNER RANGE WITH CONVECTION OVEN (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: V136-5

1. One (1) Model V136-5 Legend™ Heavy Duty Range, gas, 36", (6) 12" 30,000 BTU open burners, convection oven base, stainless steel front & 4" flue riser, black sides, 6" high adjustable stainless steel legs, 220,000 BTU, NSF, cETLus, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Natural gas
4. One (1) 120v/60/1ph, std.
5. One (1) 1-1/4" Front manifold without pressure regulator, standard
6. One (1) 1-1/4" Pressure regulator only
7. One (1) Cap & stainless steel manifold cover, left

ITEM # 1-196 SPREADER CABINET (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: 12-S

1. One (1) Model 12-S Legend™ Heavy Duty Range, 12", Add-A-Unit, (1) work top, open cabinet base with stainless steel front & 4" flue riser, black sides, black intermediate & bottom shelves, 6" high adjustable stainless steel legs, cETLus, NSF, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) 1-1/4" Front manifold without pressure regulator, standard
4. One (1) 1-1/4" Pressure regulator only
5. One (1) Cap & stainless steel manifold cover, right

ITEM # 1-197 FRYER ASSEMBLY (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Pitco Frialator
Model: SSH55-2FD

1. One (1) Model SSH55-2FD Solstice Supreme™ High Efficiency Prepackaged Fryer System with Solstice™ Filter Drawer System, gas, (2) 40-50 lb. oil capacity full tanks, solid state controls, boil out & melt cycle, drain valve interlock, matchless ignition, self-clean burner, downdraft protection, stainless steel tank, front & sides, under-fryer drawer filtration, total 160,000 BTU (-FF), ENERGY STAR®, CSA, NSF, CE
2. One (1) 1 year parts and labor warranty from the date of installation up to a maximum of 15 months from the date of manufacture (with appropriate documentation), standard
3. One (1) Natural gas
4. One (1) Solid State Thermostat, standard
5. One (1) 115v/60/1-ph, 1.7 amps
6. One (1) Contact factory for cord information
7. One (1) 115v/60/1-ph, 7.0 amps
8. One (1) Contact factory for cord information
9. One (1) Model P6072145 Basket, (2) oblong/twin size, 13-1/2" x 6-1/2" x 5-1/2" deep, long handle, regular mesh (shipped std (n/c) with models "T" SG14, SG14R, SSH55, SE14, SE14X, SE14B, SG14T, 35+, 45+, fryer batteries shipped with (1) per fryer
10. One (1) Stainless steel splashguard (6")
11. One (1) Model PP10725 Skimmer- used for removing food particles from surface oil
12. One (1) Model B3901504 Casters, 9" adjustable swivel non-lock rear & lock front casters, for battery of (2) Solstice gas and electric fryers, batteries and retherms
13. One (1) Dormont Model 16100KITCF2S48 Dormont Blue Hose™ Moveable Gas Connector Kit, 1" inside dia., 48" long, covered with stainless steel braid, coated with blue antimicrobial PVC, (1) Safety Quik® QDV, (2) Swivel MAX®, coiled restraining cable with hardware, 295,000 BTU/hr minimum flow capacity, limited lifetime warranty

ITEM # 1-198 COMPUTER TEACHING STATION <see dwgs> (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: NIFSEC

1. One (1) Computer Teaching Station - NIFSEC

ITEM # 1-199 UTILITY CHASE PART OF ITEM #1-194

Quantity: One (1)
Manufacturer: Montague Company
Model: CUSTOM

1. One (1) Model CUSTOM Utility Chase

ITEM # 1-200 SPARE NO.

ITEM # 1-201 REACH-IN UNDERCOUNTER FREEZER (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: True Manufacturing Co., Inc.
Model: TUC-27F-ADA-HC

1. One (1) Model TUC-27F-ADA-HC Undercounter Freezer, 34" working height, -10°F, (1) stainless steel door, (2) PVC coated adjustable wire shelves, stainless steel top, front & sides, clear coated aluminum interior with stainless steel floor, 3" castors, R290 Hydrocarbon refrigerant, 1/4 HP, 115v/60/1-ph, 2.3 amps, NEMA 5-15P, cULus, UL EPH Classified, CE, ADA Compliant, Made in USA, ENERGY STAR®
2. One (1) Self-contained refrigeration standard
3. One (1) Warranty - 7 year compressor (self-contained only), please visit www.Truefmfg.com for specifics (updated warranty sheet pending from True)
4. One (1) Warranty - 3 year parts and labor, please visit www.Truefmfg.com for specifics

ITEM # 1-202 DECK MOUNT FAUCET (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: T&S Brass
Model: B-0221

1. One (1) Model B-0221 Mixing Faucet, deck mount, 12" swing nozzle, 8" centers on deck faucet with 1/2" IPS eccentric flanged female inlets, lever handles

ITEM # 1-203 2 OPEN BURNER COUNTERTOP RANGE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: C18-5A

1. One (1) Model C18-5A Legend™ Heavy Duty Range, gas, 18", Add-A-Unit, (2) 30,000 BTU open burners, countertop, stainless steel front & 4" flue riser, black sides, 4" high adjustable legs, 60,000 BTU, NSF, cETLus, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Gas type to be specified
4. One (1) 1-1/4" Front manifold without pressure regulator, standard
5. One (1) Cap & stainless steel manifold cover, left

ITEM # 1-204 COUNTERTOP GRIDDLE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: C24-8T

1. One (1) Model C24-8T Legend™ Heavy Duty Range, gas, 24", Add-A-Unit, (1) griddle, 3/4" thick, thermostatic controls, countertop, stainless steel front & 4" flue riser, black sides, 4" high adjustable legs, 60,000 BTU, NSF, cETLus, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Natural gas
4. One (1) 1-1/4" Front manifold without pressure regulator, standard

ITEM # 1-207 DECK MOUNT FAUCET (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: T&S Brass
Model: B-0221

1. One (1) Model B-0221 Mixing Faucet, deck mount, 12" swing nozzle, 8" centers on deck faucet with 1/2" IPS eccentric flanged female inlets, lever handles

ITEM # 1-208 SPARE NO.

ITEM # 1-209 SPARE NO.

ITEM # 1-210 SPARE NO.

ITEM # 1-211 FAUCET, KETTLE / POT FILLER (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: Two (2)
Manufacturer: T&S Brass
Model: B-0584

1. Two (2) Model B-0584 Pot Filler Faucet, deck mount, 24" double-jointed nozzle, 1/2" NPT inlet, insulated off-on control

ITEM # 1-212 COUNTERTOP INDUCTION RANGE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: CookTek
Model: 600601

1. One (1) Model 600601 (MC1800) Heritage Induction Range, countertop, single hob, glass-ceramic top, sloped front, temperature control knob, microprocessor with (20) power cook settings & auto shut-off, self-diagnostics, LED display, integral cooling fan & grease filter, stainless steel housing, 6 ft. cord, NEMA 5-15P, 100-120v/50/60/1-ph, 1800 watts, 15.0 amps, cETLus, NSF, CE, Made in USA
2. One (1) Two year limited parts and labor warranty in US/Canada only and 7 year enrollment in the CookTek Advanced Replacement Program (ARP)

ITEM # 1-215 SPARE NO.

ITEM # 1-216 SPARE NO.

ITEM # 1-217 EXCALIBUR ISLAND SUITE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: CUSTOM

1. One (1) Model CUSTOM excalibur island suite See sheets FS-611, FS-612, FS-613.

ITEM # 1-218 UTILITY CHASE PART OF ITEM #1-217

Quantity: One (1)
Manufacturer: Montague Company
Model: CUSTOM

1. One (1) Model CUSTOM Utility Chase

ITEM # 1-219 SPARE NO.

ITEM # 1-220 SPARE NO.

ITEM # 1-221 6-OPEN BURNER RANGE WITH CONVECTION OVEN (**GROUP 2 –
FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: V136-5

1. One (1) Model V136-5 Legend™ Heavy Duty Range, gas, 36", (6) 12" 30,000 BTU open burners, convection oven base, stainless steel front & 4" flue riser, black sides, 6" high adjustable stainless steel legs, 220,000 BTU, NSF, cETLus, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Natural gas
4. One (1) 120v/60/1ph, std.
5. One (1) 1-1/4" Front manifold without pressure regulator, standard
6. One (1) 1-1/4" Pressure regulator only
7. One (1) Cap & stainless steel manifold cover, left

ITEM # 1-222 SPREADER CABINET (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: 12-S

1. One (1) Model 12-S Legend™ Heavy Duty Range, 12", Add-A-Unit, (1) work top, open cabinet base with stainless steel front & 4" flue riser, black sides, black intermediate & bottom shelves, 6" high adjustable stainless steel legs, cETLus, NSF, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) 1-1/4" Front manifold without pressure regulator, standard

ITEM # 1-223 FRYER ASSEMBLY (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Pitco Frialator
Model: SSH55-2FD

1. One (1) Model SSH55-2FD Solstice Supreme™ High Efficiency Prepackaged Fryer System with Solstice™ Filter Drawer System, gas, (2) 40-50 lb. oil capacity full tanks, solid state controls, boil out & melt cycle, drain valve interlock, matchless ignition, self-clean burner, downdraft protection, stainless steel tank, front & sides, under-fryer drawer filtration, total 160,000 BTU (-FF), ENERGY STAR®, CSA, NSF, CE
2. One (1) 1 year parts and labor warranty from the date of installation up to a maximum of 15 months from the date of manufacture (with appropriate documentation), standard
3. One (1) Natural gas
4. One (1) Solid State Thermostat, standard
5. One (1) 115v/60/1-ph, 1.7 amps
6. One (1) Contact factory for cord information

7. One (1) 115v/60/1-ph, 7.0 amps
8. One (1) Contact factory for cord information
9. One (1) Model P6072145 Basket, (2) oblong/twin size, 13-1/2" x 6-1/2" x 5-1/2" deep, long handle, regular mesh (shipped std (n/c) with models "T" SG14, SG14R, SSH55, SE14, SE14X, SE14B, SG14T, 35+, 45+, fryer batteries shipped with (1) per fryer
10. One (1) Stainless steel splashguard (6")
11. One (1) Model B3901504 Casters, 9" adjustable swivel non-lock rear & lock front casters, for battery of (2) Solstice gas and electric fryers, batteries and retherms
12. One (1) Dormont Model 16100KITCF2S48 Dormont Blue Hose™ Moveable Gas Connector Kit, 1" inside dia., 48" long, covered with stainless steel braid, coated with blue antimicrobial PVC, (1) Safety Quik® QDV, (2) Swivel MAX®, coiled restraining cable with hardware, 295,000 BTU/hr minimum flow capacity, limited lifetime warranty

ITEM # 1-224 **REACH-IN UNDERCOUNTER FREEZER (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: True Manufacturing Co., Inc.
Model: TUC-27F-ADA-HC

1. One (1) Model TUC-27F-ADA-HC Undercounter Freezer, 34" working height, -10°F, (1) stainless steel door, (2) PVC coated adjustable wire shelves, stainless steel top, front & sides, clear coated aluminum interior with stainless steel floor, 3" castors, R290 Hydrocarbon refrigerant, 1/4 HP, 115v/60/1-ph, 2.3 amps, NEMA 5-15P, cULus, UL EPH Classified, CE, ADA Compliant, Made in USA, ENERGY STAR®
2. One (1) Self-contained refrigeration standard
3. One (1) Warranty - 7 year compressor (self-contained only), please visit www.Truefmfg.com for specifics (updated warranty sheet pending from True)
4. One (1) Warranty - 3 year parts and labor, please visit www.Truefmfg.com for specifics

ITEM # 1-225 **DECK MOUNT FAUCET (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: T&S Brass
Model: B-0221

1. One (1) Model B-0221 Mixing Faucet, deck mount, 12" swing nozzle, 8" centers on deck faucet with 1/2" IPS eccentric flanged female inlets, lever handles

ITEM # 1-226 **2 OPEN BURNERS COUNTERTOP RANGE (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Montague Company
Model: C18-5A

1. One (1) Model C18-5A Legend™ Heavy Duty Range, gas, 18", Add-A-Unit, (2) 30,000 BTU open burners, countertop, stainless steel front & 4" flue riser, black sides, 4" high adjustable legs, 60,000 BTU, NSF, cETLus, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Gas type to be specified
4. One (1) 1-1/4" Front manifold without pressure regulator, standard

ITEM # 1-227 COUNTERTOP GRIDDLE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: C24-8T

1. One (1) Model C24-8T Legend™ Heavy Duty Range, gas, 24", Add-A-Unit, (1) griddle, 3/4" thick, thermostatic controls, countertop, stainless steel front & 4" flue riser, black sides, 4" high adjustable legs, 60,000 BTU, NSF, cETLus, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Natural gas
4. One (1) 1-1/4" Front manifold without pressure regulator, standard

ITEM # 1-228 SPARE NO.

ITEM # 1-229 SPARE NO.

ITEM # 1-230 SPARE NO.

ITEM # 1-231 REFRIGERATED EQUIPMENT BASE WITH DRAWERS (REMOTE) (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: RB-84-R

1. One (1) Model RB-84-R Legend™ Heavy Duty Extreme Cuisine Refrigerated Equipment Base/Stand, 84" W, three-section, designed for remote refrigeration, (4) 22-3/8" & (2) 27-1/4" wide drawers, (12) pan capacity (pans NOT included), welded stainless steel body, frame, front, sides & top, 6" adjustable stainless steel legs, 115v/60/1-ph, 3.0 amps, cULus, UL EPH Classified
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Refrigeration, drain line, and electric connection will be stubbed out as specified below:

ITEM # 1-232 COUNTERTOP CHARBROILER (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: UFLC-36R

1. One (1) Model UFLC-36R Legend™ Char-Broiler, 36" heavy-duty range match countertop, self-cleaning stainless steel radiants, 2-position cast iron Ultra-Flow reversible top grate, stainless steel front & top trim, black sides, 4" adjustable nickel legs, 114,000 BTU NSF, CSA Star, CSA Flame, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Natural gas
4. One (1) 1-1/4" front manifold standard
5. One (1) 36-5/8" Depth std.
6. One (1) Rear Connection

ITEM # 1-233 **DECK MOUNT FAUCET (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: T&S Brass
Model: B-0221

1. One (1) Model B-0221 Mixing Faucet, deck mount, 12" swing nozzle, 8" centers on deck faucet with 1/2" IPS eccentric flanged female inlets, lever handles

ITEM # 1-234 **COUNTERTOP INDUCTION RANGE, COUNTERTOP (GROUP 2– FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: CookTek
Model: 600601

1. One (1) Model 600601 (MC1800) Heritage Induction Range, countertop, single hob, glass-ceramic top, sloped front, temperature control knob, microprocessor with (20) power cook settings & auto shut-off, self-diagnostics, LED display, integral cooling fan & grease filter, stainless steel housing, 6 ft. cord, NEMA 5-15P, 100-120v/50/60/1-ph, 1800 watts, 15.0 amps, cETLus, NSF, CE, Made in USA
2. One (1) Two year limited parts and labor warranty in US/Canada only and 7 year enrollment in the CookTek Advanced Replacement Program (ARP)

ITEM # 1-237 SPARE NO.

ITEM # 1-238 SPARE NO.

ITEM # 1-239 SPARE NO.

ITEM # 1-240 UTILITY CHASE PART OF ITEM #1-242 (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: CUSTOM

1. One (1) Model CUSTOM Utility Chase

ITEM # 1-241 SPARE NO.

ITEM # 1-242 EXCALIBUR ISLAND SUITE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: CUSTOM

1. One (1) Model CUSTOM excalibur island suite. See Sheets FS-614, FS-615, FS-616.

ITEM # 1-243 FRYER ASSEMBLY (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Pitco Frialator
Model: SSH55-2FD

1. One (1) Model SSH55-2FD Solstice Supreme™ High Efficiency Prepackaged Fryer System with Solstice™ Filter Drawer System, gas, (2) 40-50 lb. oil capacity full tanks, solid state controls, boil out & melt cycle, drain valve interlock, matchless ignition, self-clean burner, downdraft protection, stainless steel tank, front & sides, under-fryer drawer filtration, total 160,000 BTU (-FF), ENERGY STAR®, CSA, NSF, CE
2. One (1) 1 year parts and labor warranty from the date of installation up to a maximum of 15 months from the date of manufacture (with appropriate documentation), standard
3. One (1) Natural gas
4. One (1) Solid State Thermostat, standard
5. One (1) 115v/60/1-ph, 1.7 amps
6. One (1) Contact factory for cord information
7. One (1) 115v/60/1-ph, 7.0 amps
8. One (1) Contact factory for cord information
9. One (1) Model P6072145 Basket, (2) oblong/twin size, 13-1/2" x 6-1/2" x 5-1/2" deep, long handle, regular mesh (shipped std (n/c) with models "T" SG14, SG14R, SSH55, SE14, SE14X, SE14B, SG14T, 35+, 45+, fryer batteries shipped with (1) per fryer

10. One (1) Stainless steel splashguard (6")
11. One (1) Model B3901504 Casters, 9" adjustable swivel non-lock rear & lock front casters, for battery of (2) Solstice gas and electric fryers, batteries and retherms
12. One (1) Dormont Model 16100KITCF2S48 Dormont Blue Hose™ Moveable Gas Connector Kit, 1" inside dia., 48" long, covered with stainless steel braid, coated with blue antimicrobial PVC, (1) Safety Quik® QDV, (2) Swivel MAX®, coiled restraining cable with hardware, 295,000 BTU/hr minimum flow capacity, limited lifetime warranty

ITEM # 1-244 **SPREADER CABINET (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Montague Company
Model: 12-S

1. One (1) Model 12-S Legend™ Heavy Duty Range, 12", Add-A-Unit, (1) work top, open cabinet base with stainless steel front & 4" flue riser, black sides, black intermediate & bottom shelves, 6" high adjustable stainless steel legs, cETLus, NSF, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) 1-1/4" Front manifold without pressure regulator, standard

ITEM # 1-245 **INDUCTION RANGE, FLOOR MODEL (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Montague Company
Model: C36-S/MI2-6.ODI/RB-36SCRR

1. One (1) Model C36-S/MI2-6.ODI/RB-36SCRR Legend™ Ice & Heat Induction Sauté Station, 36" W, (3) Ceran burners, glycol cooled top pan rail accommodates 1/3 or 1/6 pans, hinged removable night cover, (2) 14-3/8" self-closing refrigerated drawers, (2) digital thermometers, TurboCoil evaporator, side mounted self-contained refrigeration, all welded stainless steel construction, 6" adjustable legs, Induction: 200-240v/60/1-ph, 16.0 amps, NEMA 6-30P, Refrigeration: 120v/60/1-ph, 9.0 amps, NEMA 5-15P, ETL-Sanitation, cULus, UL EPH Classified
2. One (1) Standard warranty: three year parts and labor warranty
3. One (1) 5 year parts & labor warranty on compressor, standard
4. One (1) 5 year parts & labor warranty on evaporator coil, standard
5. One (1) Self contained refrigeration, standard
6. One (1) Compressor compartment on right, standard

ITEM # 1-246 **FAUCET, KETTLE / POT FILLER (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: T&S Brass
Model: B-0584

1. One (1) Model B-0584 Pot Filler Faucet, deck mount, 24" double-jointed nozzle, 1/2" NPT inlet, insulated off-on control

ITEM # 1-247 COUNTERTOP INDUCTION RANGE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: CookTek
Model: 600601

1. One (1) Model 600601 (MC1800) Heritage Induction Range, countertop, single hob, glass-ceramic top, sloped front, temperature control knob, microprocessor with (20) power cook settings & auto shut-off, self-diagnostics, LED display, integral cooling fan & grease filter, stainless steel housing, 6 ft. cord, NEMA 5-15P, 100-120v/50/60/1-ph, 1800 watts, 15.0 amps, cETLus, NSF, CE, Made in USA
2. One (1) Two year limited parts and labor warranty in US/Canada only and 7 year enrollment in the CookTek Advanced Replacement Program (ARP)

ITEM # 1-248 SPARE NO.

ITEM # 1-249 SPARE NO.

ITEM # 1-250 SPARE NO.

ITEM # 1-251 DECK MOUNT FAUCET (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: T&S Brass
Model: B-0221

1. One (1) Model B-0221 Mixing Faucet, deck mount, 12" swing nozzle, 8" centers on deck faucet with 1/2" IPS eccentric flanged female inlets, lever handles

ITEM # 1-252 WOK RANGE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Montague Company
Model: 36-18

1. One (1) Model 36-18 Legend™ Wok Range, gas, single bowl, 37-1/4" deep base, 18" wok ring, manual controls, stainless front, sides, and backguard, swing faucet, 3" wide fixed guard rail, jet burners, stainless steel single door, 6" stainless steel adjustable legs, 80,000 BTU, NSF, CSA Star, CSA Flame

2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Natural gas
4. One (1) Rear connection
5. One (1) Cap & cover left side

ITEM # 1-253 **REFRIGERATED EQUIPMENT BASE WITH DRAWERS (REMOTE) (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Montague Company
Model: RB-48-R

1. One (1) Model RB-48-R Legend™ Heavy Duty Extreme Cuisine Refrigerated Equipment Base/Stand, 48" W, two-section, designed for remote refrigeration, (2) 14-3/8" & (2) 22-3/8" wide drawers, (6) pan capacity (pans NOT included), welded stainless steel body, frame, front, sides & top, 6" adjustable stainless steel legs, 115v/60/1-ph, 1.68 amps, NEMA 5-15P, cULus, UL EPH Classified
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Extended one year warranty, per section
4. One (1) Refrigeration, drain line, and electric connection will be stubbed out as specified below:

ITEM # 1-254 **COUNTERTOP GRIDDLE (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Montague Company
Model: C24-8T

1. One (1) Model C24-8T Legend™ Heavy Duty Range, gas, 24", Add-A-Unit, (1) griddle, 3/4" thick, thermostatic controls, countertop, stainless steel front & 4" flue riser, black sides, 4" high adjustable legs, 60,000 BTU, NSF, cETLus, CE
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Gas type to be specified
4. One (1) 1-1/4" Front manifold without pressure regulator, standard

ITEM # 1-255 **2 OPEN BURNERS COUNTERTOP RANGE (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Montague Company
Model: C18-5A

1. One (1) Model C18-5A Legend™ Heavy Duty Range, gas, 18", Add-A-Unit, (2) 30,000 BTU open burners, countertop, stainless steel front & 4" flue riser, black sides, 4" high adjustable legs, 60,000 BTU, NSF, cETLus, CE
2. One (1) Standard warranty: one year parts and labor warranty

3. One (1) Natural gas
4. One (1) 1-1/4" Front manifold without pressure regulator, standard
5. One (1) 1-1/4" Pressure regulator only
6. One (1) Cap & stainless steel manifold cover, left

ITEM # 1-256 **DECK MOUNT FAUCET (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: T&S Brass
Model: B-0221

1. One (1) Model B-0221 Mixing Faucet, deck mount, 12" swing nozzle, 8" centers on deck faucet with 1/2" IPS eccentric flanged female inlets, lever handles

ITEM # 1-257 **REACH-IN UNDERCOUNTER FREEZER (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: True Manufacturing Co., Inc.
Model: TUC-27F-ADA-HC

1. One (1) Model TUC-27F-ADA-HC Undercounter Freezer, 34" working height, -10°F, (1) stainless steel door, (2) PVC coated adjustable wire shelves, stainless steel top, front & sides, clear coated aluminum interior with stainless steel floor, 3" castors, R290 Hydrocarbon refrigerant, 1/4 HP, 115v/60/1-ph, 2.3 amps, NEMA 5-15P, cULus, UL EPH Classified, CE, ADA Compliant, Made in USA, ENERGY STAR®
2. One (1) Self-contained refrigeration standard
3. One (1) Warranty - 7 year compressor (self-contained only), please visit www.Truemfg.com for specifics (updated warranty sheet pending from True)
4. One (1) Warranty - 3 year parts and labor, please visit www.Truemfg.com for specifics

ITEM # 1-258 **OVERSHELF (GROUP 2 – FURNITURE PACKAGE)**

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

1. One (1) Model OS-WBB Approximately 7'-6" l x 1'-6" w. Provide Stainless Fixtures, Inc. table mounted 16 ga stainless steel overshelf with tubular supports and 14 ga concealed brackets. Stainless steel shall have a #4 finish.
2. One (1) This item to have polished edges standard.

ITEM # 1-259 **RECEIPT PRINTER (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: NIFSEC

1. One (1) Receipt printer

ITEM # 1-260 SPARE NO.

ITEM # 1-261 PASS-THRU MOBILE HEATED CABINET (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Cres Cor
Model: H-137-PSUA-12D

1. One (1) Model H-137-PSUA-12D Cabinet, Mobile Heated, pass-thru, insulated, top-mount heater assembly, solid state electronic control with digital display, (12) sets of chrome plated wire universal angle slides adjustable on 4-1/2" centers adjustable 1-1/2" centers, field reversible dutch door, anti-microbial magnetic door latches, (4) 5" swivel casters (2) braked, stainless steel construction, NSF, cCSAus
2. One (1) Standard Warranty: 1 year labor with 3 year parts warranty
3. One (1) 120v/60/1-ph, 2.0 kW, 16 amp, standard
4. One (1) Right-hand door swing for front door (top & bottom), standard
5. One (1) Right-hand door swing for rear doors (top & bottom), standard

ITEM # 1-262 ISLAND WORK COUNTER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model IWC-WBB Approximately 9'-2" l x 4'-0" w. Provide Stainless Fixtures, Inc. stainless steel island work counter with undershelf and/or mid shelf, and galvanized metal base. Top shall be 14 ga stainless steel, body to be 16 ga. Fabricate and install per complete drawings, schedules, elevations, and details.
2. One (1) Fisher Model 29033 DrainKing Waste Valve, flat strainer, overflow body, chrome finish
3. One (1) This item to have polished edges standard.

ITEM # 1-264 **REFRIGERATED EQUIPMENT BASE WITH DRAWERS (REMOTE) (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Montague Company
Model: RB-60-R

1. One (1) Model RB-60-R Legend™ Heavy Duty Extreme Cuisine Refrigerated Equipment Base/Stand, 60" W, two-section, designed for remote refrigeration, (2) 22-3/8" & (2) 27-1/4" wide drawers, (8) pan capacity (pans NOT included), welded stainless steel body, frame, front, sides & top, 6" adjustable stainless steel legs, 115v/60/1-ph, 2.04 amps, cULus, UL EPH Classified
2. One (1) Standard warranty: one year parts and labor warranty
3. One (1) Refrigeration, drain line, and electric connection will be stubbed out as specified below:

ITEM # 1-265 **REMOTE REFRIGERATION RACK AND SYSTEM (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Cooltec Refrigeration
Model: CRS-8

1. One (1) Model CRS-8 Refer to Section 114000, paragraph 2.8 and FS drawings.

Model: ERC311-32

1. One (1) Model ERC311-32 Condenser Unit, Remote Refrigeration, designed for outdoor installation, temperature range -20°F to 120°F, galvanized finish, 208-230v/60/1-ph, 1.25 amps, use with C0630xR, C0830xR, C1030xR, & C1448xR, cULus
2. One (1) NOTE: Sale of this product must comply with Scotsman's MSRP Policy; contact your Scotsman representative for details
3. One (1) 3 year parts & labor warranties
4. One (1) 5 year parts on condenser

ITEM # 2-01 **PORTABLE BAR (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Lakeside Manufacturing
Model: 886

1. One (1) Model 886 Portable Bar, 63-1/2" long, 1-1/4" thick waterproof laminate top with black finish, recessed stainless steel mixing shelf, stainless steel inner storage compartments, interior work shelf with (2) ice bins with drain: 40 lb capacity each, (2) removable stainless steel (7) bottle speed rails, all-swivel 5" non-marking Lake-Glide® casters (2) with brakes, laminate over welded stainless steel exterior construction, Made in USA
2. One (1) Finish to be specified

Quantity: One (1)
Manufacturer: True Manufacturing Co., Inc.
Model: TUC-48-ADA-HC

1. One (1) Model TUC-48-ADA-HC Undercounter Refrigerator, 34" working height, 33 - 38°F, (2) stainless steel doors, (4) PVC coated adjustable wire shelves, stainless steel top & sides, clear coated aluminum interior with stainless steel floor, 3" castors, R290 Hydrocarbon refrigerant, 1/5 HP, 115v/60/1-ph, 3.0 amps, NEMA 5-15P, cULus, UL EPH Classified, CE, ADA Compliant, Made in USA
2. One (1) Self-contained refrigeration standard
3. One (1) Warranty - 7 year compressor (self-contained only), please visit www.Truemfg.com for specifics (updated warranty sheet pending from True)
4. One (1) Warranty - 3 year parts and labor, please visit www.Truemfg.com for specifics

ITEM # 3-05 WORK COUNTER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model WCNT-WBB Approximately 11'-0" l x 2'-6" w. Provide Stainless Fixtures, Inc. stainless steel work counter with undershelf and/or mid shelf, galvanized metal base, and 6" high back and end splash (where required). Top shall be 14 ga stainless steel, body to be 16 ga.
2. One (1) This item to have polished edges standard.

ITEM # 3-06 SPARE NO.

ITEM # 3-07 MICROWAVE/IMPINGEMENT OVEN (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: TurboChef
Model: I3

1. One (1) Model I3 I3™ Microwave/Impingement Oven, Rapid Cook, electric, 23" wide, ventless, countertop, fully insulated cook chamber, stores up to 200 recipes, internal catalytic converter, smart voltage sensor technology (US only), digital display, removable rack and grease collection pan, top and bottom jet plates, pull down door with ergonomic handle, multi-speed impingement blower, (2) solid PTFE baskets, (1) oven cleaner, (1) oven guard, (1) aluminum paddle, (2) trigger sprayers, (1) standard rack, side hand grips, stainless steel front, top & sides, cULus, CE, UL EPH Classified, ANSI/NSF 4, TUV

2. One (1) All items FOB: Carrollton, Texas: Consumable/accessory orders less than \$5,000 will incur a handling fee. Orders shipping standard ground will incur a \$15.00 handling fee. Orders shipping other than standard ground will incur \$25.00 handling fee
3. One (1) One year parts and labor warranty
4. One (1) 208-240v/60/1-ph, 40.0amps, 8.3-9.6kw, 6 foot cord (nominal), NEMA 6-50P, standard

ITEM # 3-08 TRASH RECEPTACLES (COUNTER TALL) (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Rubbermaid Commercial Products
Model: 1971258

1. One (1) Model 1971258 Slim Jim® Container, 16 gallon, 22"L x 11"W x 25"H, with venting channels, molded-in handles, general purpose waste, open type without lid, high-impact plastic construction, gray, Made in USA

ITEM # 3-09 TRASH RECEPTACLES (COUNTER TALL) (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Rubbermaid Commercial Products
Model: 1971258

1. One (1) Model 1971258 Slim Jim® Container, 16 gallon, 22"L x 11"W x 25"H, with venting channels, molded-in handles, general purpose waste, open type without lid, high-impact plastic construction, gray, Made in USA

ITEM # 3-12 SERVICE COUNTER W/ HAND & PREP SINKS (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model SVC-WBB Approximately 33'-0" l x 3'-6" w. Provide Stainless Fixtures, Inc. stainless steel undercounter with stone top, stainless steel intermediate and/or lower shelves, galvanized metal base, millwork die front with hardwood veneer or high pressure laminate finish. See architectural finish schedule for specific finish requirements.
2. One (1) Model PREP SINK Provide 16 ga stainless steel sink tub measuring approximately 12" w x 18" d x 8" h. Welded in place with polished seams.
3. One (1) Model HAND SINK Provide 16 ga stainless steel sink tub measuring approximately 10" w x 14" d x 7" h. Welded in place with polished seams. Provide with T&S basket strainer.

ITEM # 3-13 COFFEE BREWER (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: BUNN
Model: 53200.0101

1. One (1) Model 53200.0101 53200.0101 ICB TWIN Automatic Coffee Brewer, tall, double, Infusion Series technology: (3) brew buttons, (2) batch sizes, black plastic funnel, multidirectional Peak Extraction™ spray head, digital display, energy-saver mode, stainless steel finish, 6kW, 120/240v/60/1-ph, 25 amps, UL, NSF

ITEM # 3-14 ESPRESSO CAPPUCCINO MACHINE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Rancilio Group North America
Model: CLASSE 5 USB2

1. One (1) Model CLASSE 5 USB2 Classe 5 USB Espresso Machine, traditional automatic, 2 group, 11 liter boiler, soft-touch keypads with 4 programmable drink doses, built-in volumetric pump, boiler & pump pressure control gauges, (2) manual steam wand with C-lever steam control, manual valve knob control, hot water dispenser, brushed stainless steel body, white LED backlights, scratchproof grid system drain tray, CE, cETLus, ETL-Sanitation
2. One (1) 1 year parts, 1 year labor warranty
3. One (1) Installation
4. One (1) 208-220v/60/1-ph, 20 amp, 4300 watts, NEMA 6-20P, standard
5. One (1) Model 98-RG-WTR-SYS Rancilio Water Filter Complete System, with Sanitary Quick Change (SQC), inhibits scale, reduces chloramines, chlorine taste & odor, 0.5 micron rating, 0.5 gpm flow rate, 1204 gallons hardness capacity (based on 9gpm), includes hardness test kit, connections, & mounting bracket, for use with coffee & tea, NSF (NET PRICE - NOADDITIONAL DISCOUNT AVAILABLE)
6. One (1) Water filtration kit required for warranty, 98-RG-WTR-SYS water filter is acceptable to most locations; Water hardness should be within 2-3 gpg (see RGNA Water Quality Statement); failure to comply with RGNA Water Quality Statement will void warranty.
7. One (1) Anthracite Black

ITEM # 3-16 BLENDER, BAR (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: Two (2)
Manufacturer: Vitamix
Model: 036019

1. Two (2) Model 036019 The Quiet One® Blender, countertop, 48 oz. (1.4 liter) capacity, clear Tritan™ BPA free Advance® container, 24-1/2"H with lid open, stackable, removable compact cover, (6) touch control buttons with (34) program options, includes: Advance® blade assembly & lid, 3-peak HP, 120v/50/60/1-ph, 15.0 amps, NEMA 5-15P, RoHs compliant, CE, cULus, NSF

2. Two (2) 3 years warranty on motor base parts & 1 year warranty on labor, standard

ITEM # 3-17 UNDERCOUNTER REFRIGERATOR (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: Two (2)
Manufacturer: True Manufacturing Co., Inc.
Model: TUC-48-ADA-HC

1. Two (2) Model TUC-48-ADA-HC Undercounter Refrigerator, 34" working height, 33 - 38°F, (2) stainless steel doors, (4) PVC coated adjustable wire shelves, stainless steel top & sides, clear coated aluminum interior with stainless steel floor, 3" castors, R290 Hydrocarbon refrigerant, 1/5 HP, 115v/60/1-ph, 3.0 amps, NEMA 5-15P, cULus, UL EPH Classified, CE, ADA Compliant, Made in USA
2. Two (2) Self-contained refrigeration standard
3. Two (2) Warranty - 7 year compressor (self-contained only), please visit www.Truemfg.com for specifics (updated warranty sheet pending from True)
4. Two (2) Warranty - 3 year parts and labor, please visit www.Truemfg.com for specifics

ITEM # 3-20 SPARE NO.

ITEM # 3-21 MICROWAVE OVEN (**GROUP 2 – FURNITURE PACKAGE**)

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 # 3-23 **AIR POTS (GROUP 2 – FURNITURE PACKAGE)**

Quantity: Two (2)
Manufacturer: NIFSEC

1. Two (2) Air pots

ITEM # 3-24 **P.O.S (GROUP 2 – FURNITURE PACKAGE)**

Quantity: Four (4)
Manufacturer: NIFSEC

1. Four (4) POS station

ITEM # 3-25 **DISPLAY CASE, REFRIGERATED BAKERY (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: RPI Industries
Model: SCCB48R

1. One (1) Model SCCB48R Continental Refrigerated Bakery Case, 48" L, self-contained refrigeration, service type, fixed curved glass front, top canopy LED light, (3) glass shelves with LED lights, white deck, mirrored laminate interior ends with glass vision end panels, mirrored rear sliding doors, laminated exterior, black base, condensate evaporator, 1/3 hp, cETLus, ETL-Sanitation, NSF
2. One (1) Cabinet 35-3/4", standard
3. One (1) NOTE: Minimum door clearance for this unit is 36-1/4"
4. One (1) 1 year limited warranty standard
5. One (1) Self-contained refrigeration, standard
6. One (1) 5 year compressor warranty
7. One (1) 115v/60/1-ph, 8.8 amps, cord, NEMA 5-15P
8. One (1) Exterior Finish: Formica standard grade plastic laminate, must specify number & color

ITEM # 3-26 **DISPLAY CASE, NON-REFRIGERATED BAKERY (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: RPI Industries
Model: SCCB48D

1. One (1) Model SCCB48D Continental Dry Bakery Case, 48" L, non-refrigerated, service type, fixed curved glass front, top canopy LED light, (2) glass shelves with LED lights, white deck, mirrored laminate interior ends with glass vision end panels, mirrored rear sliding doors, laminated exterior, black base, cETLus, ETL-Sanitation, NSF

2. One (1) Cabinet 35-3/4", standard
3. One (1) NOTE: Minimum door clearance for this unit is 36-1/4"
4. One (1) 1 year limited warranty standard
5. One (1) 115v/60/1-ph, .6 amps, cord, NEMA 5-15P
6. One (1) Exterior Finish: Formica standard grade plastic laminate, must specify number & color

ITEM # 3-27 SERVICE COUNTER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model SVC-WBB Approximately 4'-0" l x 3'-6" w. Provide Stainless Fixtures, Inc. stainless steel undercounter with stone top, stainless steel intermediate and/or lower shelves, galvanized metal base, millwork die front with hardwood veneer or high pressure laminate finish. See architectural finish schedule for specific finish requirements.

ITEM # 3-28 SPARE NO.

ITEM # 3-29 SPARE NO.

ITEM # 3-30 SPARE NO.

ITEM # 3-31 SNEEZE GUARD, STATIONARY (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: Two (2)
Manufacturer: Premier Metal & Glass
Model: FM2N-A

1. Two (2) Model FM2N-A CHOICE™ Adjustable Dual-Service Sneeze Guard, single sided guard with top shelf, tempered glass with polished edges, adjustable end panels, front mount, 1" OD round stainless support posts, NSF & cULus listed (Contact Premier Sales Department for Pricing)
2. Two (2) Specify Length:7'-0"
3. Two (2) NOTE: Certain finishes/tubing combos not recommended, Contact Premier Sales Department for samples and details

ITEM # 3-32 SERVICE COUNTER (**GROUP 2 – FURNITURE PACKAGE**)

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

1. One (1) Model SVC-WBB Approximately 36'-0" l x 3'-6" w. Provide Stainless Fixtures, Inc. stainless steel undercounter with stone top, stainless steel intermediate and/or lower shelves, galvanized metal base, millwork die front with hardwood veneer or high pressure laminate finish. See architectural finish schedule for specific finish requirements.

ITEM # 3-33 **HOT / COLD FOOD WELL UNIT, DROP-IN, ELECTRIC (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Low Temp Industries
Model: DI-QSCHP-2

1. One (1) Model DI-QSCHP-2 QuickSwitch™ Hot/Cold/Freeze Food Well, drop-in, 34-1/4"W x 26-3/4"D x 21-16/25"H, 14ga stainless steel top, accommodates (2) 12" x 20" pan size, wired remote, individual wired remote digital controls for hot or cold operation, manifold drain, stainless steel top & wells, galvanized exterior, cULus, ANSI/NSF 4, ANSI/NSF 7
2. One (1) Some options may increase lead times
3. One (1) 120/208v/60/1-ph, 9.6 amps, NEMA 14-20P

ITEM # 3-35 **OPEN DISPLAY MERCHANDISER (GROUP 2 – FURNITURE PACKAGE)**

Quantity: Two (2)
Manufacturer: RPI Industries
Model: VIAS1-20-R-SL-RR-LP SNACKEE

1. Two (2) Model VIAS1-20-R-SL-RR-LP SNACKEE Vienna Snackee Undercounter Refrigerated Grab-N-Go Display Case, remote refrigeration (compressor by others), 23-5/8"W, with side housing for control unit, programmable digital controller, removable self-feeding display shelf, pull out rear drawer, LED lights, plinth panel, stainless interior & exterior, legs, cord with NEMA 5-15P, cETLus, ETL-Sanitation, NSF (Floor drain required)
2. Two (2) 1 year limited warranty standard
3. Two (2) 115v/60/1-ph, 1.2 amps

ITEM # 3-37 **CASH REGISTER STAND (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: Multiteria
Model: CS36

1. One (1) Model CS36 Essence Series Cashier Station, 36"W, free-standing model, Tight Link interlocking, (1) tray rail, (1) cash drawer, stainless steel removable undershelf, tubular frame & construction, 6" stainless steel legs with adjustable feet
2. One (1) 34" high, standard

WFD

3. One (1) Countertop, Stainless steel, standard
4. One (1) Laminate panels, specify, standard
5. One (1) Duplex outlet, flush, standard

ITEM # 3-38 ICE MAKER, CUBE-STYLE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: Manitowoc
Model: IYT1200N

1. One (1) Model IYT1200N Indigo NXT™ Series Ice Maker, cube-style, air-cooled, designed for remote refrigeration, 30"W x 24-1/2"D x 29-1/2"H, production capacity up to 1215 lb/24 hours at 70°/50° (1000 lb AHRI certified at 90°/70°), DuraTech™ exterior, half-dice size cubes, R410A refrigerant, NSF, cULus
2. One (1) Model WARRANTY-ICE-R 3 year parts & labor (Machine), 5 year parts & labor (Evaporator), standard
3. One (1) (-261A) 208-230v/60/1-ph, 11.0 amps, standard
4. One (1) NOTE: Tubing required for installation, must select length required

ITEM # 3-39 SPARE NO.

ITEM # 3-41 P.O.S. STATION (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: NIFSEC
Model: BY OWNER

1. One (1) Model BY OWNER POS station

ITEM # 3-42 SPARE NO.

ITEM # 3-43 COKE FREESTYLE MACHINE (**GROUP 2 – FURNITURE PACKAGE**)

Quantity: One (1)
Manufacturer: NIFSEC
Model: BY VENDOR

1. One (1) Model BY VENDOR Coke Freestyle Machine

ITEM # 3-44 **DISPLAY CASE, NON-REFRIGERATED, SELF-SERVE (GROUP 2 –
FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: RPI Industries
Model: SCAS24D-II-MM

1. One (1) Model SCAS24D-II-MM Olympus Micro Market Ambient Display Case, self-service, 24"W x 32"D x 78"H, (3) slanted fixed laminated shelves with LED lighting, LED top canopy, includes top bracket for optional header panel, laminate interior & exterior, cETLus, ETL-Sanitation
2. One (1) NOTE: Minimum door clearance for this unit is 33"
3. One (1) 1 year parts & labor warranty, standard
4. One (1) 115v/60/1-ph, 0.15 amps, cord, NEMA 5-15P
5. One (1) Rear Interior Panel & Hardware: Standard grade laminate, standard
6. One (1) Exterior Finish: Formica standard grade plastic laminate, must specify number & color
7. One (1) Exterior Rear Finish: Black laminate, standard

ITEM # 3-45 **MOBILE CONDIMENT COUNTER (GROUP 2 – FURNITURE PACKAGE)**

Quantity: Two (2)
Manufacturer: Stainless Fixtures Inc
Model: CCM-WBB

1. Two (2) Model CCM-WBB Approximately 4'-0" l x 2'-6" w. Provide Stainless Fixtures, Inc. millwork undercounter, intermediate and/or lower shelves, base, die front with hardwood veneer or high pressure laminate finish, and stone top. See finish schedule for specific finish requirements.

ITEM # 3-46 **BULK C02 AND SODA SYSTEM (GROUP 2 – FURNITURE PACKAGE)**

Quantity: One (1)
Manufacturer: NIFSEC
Model: BY VENDOR

1. One (1) Model BY VENDOR BULK C02 AND SODA SYSTEM

END OF SECTION 11 40 00 FOOD SERVICE EQUIPMENT SPECIFICATIONS