TLCDARCHITECTURE

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o: 707.525.5600
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WINE EDUCATION CENTER
NAPA VALLEY COLLEGE
- PHASE 2
(HOSPITALITY BUILDING)

ADDENDUM NUMBER 4

PROJECT ADDRESS
2277 Napa Vallejo Hwy
Napa, CA 94558

OWNER
NAPA VALLEY COLLEGE

DATE
MARCH 6, 2025

TLCD PROJECT NUMBER
21062.00

DSA APPLICATION NUMBER:
01-120890

Note: The following changes, modifications and additions to the Project Manual and Drawings described within this Addendum are made a part thereof and are subject to all of the requirements thereof as if originally specified.

111 SANTA ROSA AVENUE, #300
SANTA ROSA, CA 95404
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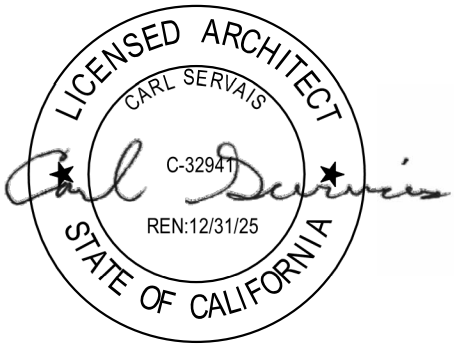
NAPA VALLEY COLLEGE - PHASE 2
(HOSPITALITY BUILDING)

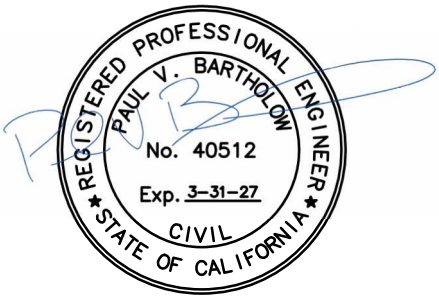
2277 Napa Vallejo Hwy
Napa, CA 94558

DSA APPLICATION #01-120890

STAMPS, SIGNATURES AND APPROVALS

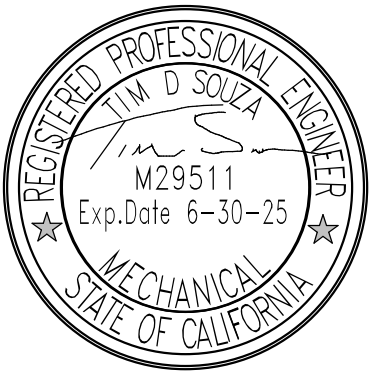


ARCHITECT
Carl Servais
C32941

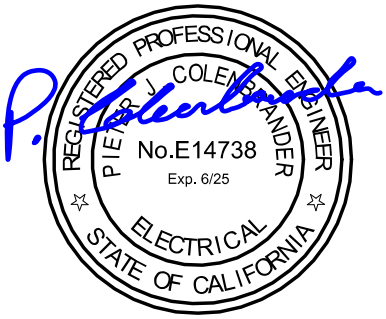


CIVIL ENGINEER
Paul V. Bartholow
40512

STRUCTURAL ENGINEER
Chris Warner
S4613

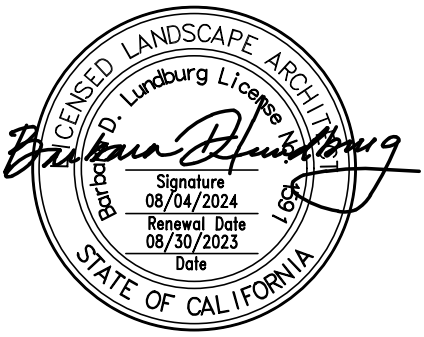


MECHANICAL ENGINEER
Tim D. Souza
M29511



ELECTRICAL ENGINEER
Peter Colenbrander
E14738

FIRE PROTECTION
Tim D. Souza
M29511



LANDSCAPE ARCHITECT
Barbara D. Lundburg
1591

ADDENDUM NUMBER 4

To the Plans and Specifications for:

WINE EDUCATION CENTER
NAPA VALLEY COLLEGE - PHASE 2
(HOSPITALITY BUIDING)

DSA File No. 28-C1
DSA Application No. 01-120890

Date: March 6, 2025

GENERAL

1.1 The project documents, project manual and all addenda issued for Phase 1 construction also apply to Phase 2 construction, unless specifically noted otherwise.

A. List of addenda issued for Phase 1, with work related to Phase 2, include the following, and are attached:
   1. Addendum 1.
   2. Addendum 2.
   3. Addendum 3.
   4. Addendum 3A.

B. List of Construction Change Directives (CCDs) issued for Phase 1, with work related to Phase 2, include the following, and are attached:
   1. 002 Slab Edge.
   2. 015 GFRC Changes.
   3. 024 Ph 2 Scope Clarifications.
      a. NOTICE TO BIDDERS: Refer to this CCD for extent of Phase 2 site related construction.

C. List of Architect's Supplemental Instructions (ASIs) issued for Phase 1, with work related to Phase 2, include the following, and are attached:
   1. 001 Pavement Changes.
   2. 002 Edge of Slab Clarifications.

D. List of Requests for Information (RFIs) issued for Phase 1, with work related to Phase 2, include the following, and are attached:
   1. 002 Fence at Southern Roadway.
   2. 005 Gas Line Route.
   3. 006 Storm Drain Route Revisions.
   4. 009 Net Communications.
   5. 010 VRF Wiring.

6. 020 Coping Changes.
7. 041 Exterior Light Pole Clarification.
8. 042 Annular Opening at Acoustical Panel Ceilings.
9. 043 Strom Drain/Electrical Box Conflict.

END OF ADDENDUM NUMBER 4

DSA **140**

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval.This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes ☐ No ☑)

Deferred Submittal ☐	Addendum Number: 1	Revision Number:	CCD Number:	Category A ☐ or B ☐

2. PROJECT INFORMATION:

School District/Owner: Napa Valley Community College	DSA File Number: 28 C1
Project Name/School: Wine Education Center	DSA Application Number 01 120890

3. APPLICANT INFORMATION:

Date Submitted: 05/01/24	Attached Pages? No ☐ Yes ☑ Number of pages? 109		
Firm Name: TLCD Architecture	Contact Name: Carl Servais		
Work Email: carl.servais@tlcd.com	Work Phone: (707) 535-5279		
Firm Address: 520 Third Street, #250	City: Santa Rosa	State: CA	Zip Code: 95401

4. REASON FOR SUBMITTAL: (Check applicable boxes)

☑ For revision or addendum prior to construction. ☐ For a project currently under construction.

☐ For a project that has a form *DSA 301-N: Notification of Requirement for Certification*, *DSA 301-P: Posted Notification of Requirement for Certification* or a 90-Day Letter issued.

☐ To obtain DSA approval of an existing uncertified building or buildings.

☐ For Category B CCD this is: ☐ a voluntary submittal, ☐ a DSA required submittal (attach DSA notice requiring submission).

5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:

Name of the Design Professional In General Responsible Charge: Carl Servais

Professional License Number: C32941 Discipline: Architect

Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.

Signature: Carl Servais

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:

For addenda, revisions, or CCDs: CHECK THIS BOX ☑ to confirm that *all* post-approval documents have been stamped and signed by the Responsible Design Professional listed on form *DSA 1: Application for Approval of Plans and Specifications* for this project. (For *Deferred Submittals*, refer to *IR A-18: Use of Construction Documents Prepared by Other Professionals,* and *IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents*, when applicable, for signature and seal requirements.)

Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed):

Revisions to specifications: Add construction bid documents and Division 00 sections. Revisions to drawings: Add fire line to point of connection into project; add drawing C-504. Minor clarifications and revisions. Add drawing ASK-AD1. Refer to Addendum 1 narrative on page 1-3 for full description of modifications.

List of DSA-approved drawings affected by this post-approval document:

G-001, C-103, C-504, A-101, A-253, A-601

DSA USE ONLY

SSS Dan Mui Date May 20, 2024 ☒ Approved ☐ Disapproved ☐ Not Required

Comments:

FLS AW Date 5/6/24 ☑ Approved ☐ Disapproved ☐ Not Required

Comments:

ACS Michael Park Date 05/02/2024 ☒ Approved ☐ Disapproved ☐ Not Required

Comments:

Returned	DSA STAMP
Date:	APPROVED DIV. OF THE STATE ARCHITECT APP: 01-120890 INC: REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 05/20/2024
By:	

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APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/20/2024

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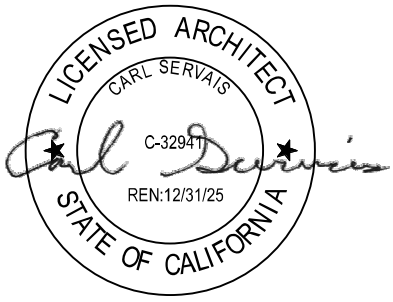
DSA APPLICATION #01-120890

STAMPS, SIGNATURES AND APPROVALS



ARCHITECT
Carl Servais
C32941

CIVIL ENGINEER
Paul V. Bartholow
40512

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ADDENDUM NUMBER 1

To the Plans and Specifications for:

WINE EDUCATION CENTER
NAPA VALLEY COLLEGE

DSA File No. 28-C1
DSA Application No. 01-120890

Date: March 6, 2024

SPECIFICATIONS

1.1 CHANGE TO 00 01 10 TABLE OF CONTENTS

A. CHANGE Title from “CONTRACTING REQUIREMENTS” to “PROCURMENT AND CONTRACTING REQUIREMENTS”.

B. DELETE Section 00 72 00 General Conditions and REPLACE with “Construction Bid Documents (CCD)”.

C. DELETE Section 00 73 00 Supplementary Conditions and REPLACE with section “00 01 21 Supplemental Conditions”.

D. ADD Section “00 31 19 Existing Condition Information”.

E. ADD Section “00 31 32 Geotechnical Data”.

1.2 ADD SPECIFCATION SECTION 00 31 19 EXISTING CONDITION INFORMATION

1.3 ADD SPECIFCATION SECTION 00 31 32 GEOTECHNICAL DATA.

DRAWINGS

1.4 CHANGE TO DRAWING G-001 – TITLE SHEET:

A. ADD Drawing C-504 DETAILS to the SHEET INDEX.

1.5 ADD TO DRAWING C-103 – PHASE 1 UTILITY PLAN FIRE LINE & EAST DROP OFF:

A. ADD Fire line extension as indicated on the drawing.

1.6 ADD DRAWING C-504 -DETAILS:

A. ADD Fire line extension and appurtenance details as indicated on the drawing.

1.7 CHANGE DRAWING A-101 - PARTIAL SITE PLAN – DEMOLITION WORK:

A. ADD Notation to salvage and existing artwork sculpture and deliver to the College. This change supersedes note 'R' on drawings C-002.

B. ADD Detail 2 - ART SCULPTURE with image of existing sculpture for salvage.

1.8 CHANGE DRAWING A-253 – INTERIOR ELEVATIONS – PHASE 2:

A. CHANGE Wall base detail at north, east and west walls from detail 10/A-561 to detail ASK1-AD1 WOOD BASE AT HOSPITALITY.

1.9 CHANGE TO DRAWING A-601 – DOOR SCHEDULE:

A. CHANGE Door 117A material from wood to hollow metal.

B. CHANGE Door 117B material from hollow metal to wood.

C. CHANGE Door 116D remarks for exterior color from "RAINSCREEN" to "BOARD & BATTEN" color.

ATTACHMENTS:

SPECIFICATIONS:
00 01 10 Table of Contents
Construction Bid Documents (CCD)
00 01 21 Supplemental Conditions
00 31 19 Existing Condition Information
00 31 32 Geotechnical Data

DRAWINGS:
G-001 TITLE SHEET
C-103 PHASE 1 UTILITY PLAN FIRE LINE
C-504 DETAILS
A-101 PARTIAL SITE PLAN - DEMOLITION
A-253 INTERIOR ELEVATIONS – PHASE 2
A-601 ROOM FINISH SCHEDULE, DOOR TYPES & STOREFRONT/CURTAINWALL TYPES
ASK1-AD1 WOOD BASE AT HOSPITALITY

END OF ADDENDUM NUMBER 1

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SECTION 00 01 10

TABLE OF CONTENTS

PROJECT MANUAL
INTRODUCTORY INFORMATION

PROCUREMENT AND CONTRACTING REQUIREMENTS
~~**CONTRACTING REQUIREMENTS**~~

SPECIFICATIONS GROUP

DIVISION 01 – GENERAL REQUIREMENTS

DIVISION 14 – CONVEYING EQUIPMENT

Not used.

DIVISION 21 – FIRE SUPPRESSION

DIVISION 22 – PLUMBING

DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING

DIVISION 26 – ELECTRICAL

DIVISION 27 – COMMUNICATIONS

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

DIVISION 31 – EARTHWORK

DIVISION 32 – EXTERIOR IMPROVEMENTS

END OF SECTION

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CONSTRUCTION BID DOCUMENTS (CCD)

TABLE OF CONTENTS

NOTICE INVITING BIDS

1. Notice is hereby given that the Governing Board of the Napa Valley College District ("District"), of the County of Napa, State of California, will receive sealed bids for the Napa Valley College Wine Education Center Project ("Project") up to but no later than 2 PM on Thursday, April 25th, 2024, and will thereafter publicly opened and read aloud the bids. All bids shall be received at the Napa Valley College Office #4103 at 2277 Napa-Vallejo Hwy, Napa, California.

2. Each bid shall be completed on the Bid Proposal Form included in the Contract Documents, and must conform and be fully responsive to this invitation, the plans and specifications and all other Contract Documents. Copies of the Contract Documents are available for examination at the office of the Napa Valley College and will be available on the Napa Valley College website.

3. Each bid shall be accompanied by cash, a cashier's or certified check, or a bidder's bond executed by a surety licensed to do business in the State of California as a surety, made payable to the District, in an amount not less than ten percent (10%) of the maximum amount of the bid. The check or bid bond shall be given as a guarantee that the bidder to whom the contract is awarded will execute the Contract Documents and will provide the required payment and performance bonds and insurance certificates within ten (10) days after the notification of the award of the contract.

4. The successful bidder shall comply with the provisions of the Labor Code pertaining to payment of the generally prevailing rate of wages and apprenticeships or other training programs. The Department of Industrial Relations has made available the general prevailing rate of per diem wages in the locality in which the work is to be performed for each craft, classification or type of worker needed to execute the contract, including employer payments for health and welfare, pension, vacation, apprenticeship and similar purposes. Copies of these prevailing rates are available to any interested party upon request and are online at http://www.dir.ca.gov/DLSR. The Contractor and all Subcontractors shall pay not less than the specified rates to all workers employed by them in the execution of the Contract. It is the Contractor's responsibility to determine any rate change.

5. The schedule of per diem wages is based upon a working day of eight hours. The rate for holiday and overtime work shall be at least time and one half.

6. The substitution of appropriate securities in lieu of retention amounts from progress payments in accordance with Public Contract Code §22300 is permitted.

7. Pursuant to Public Contract Code §4104, each bid shall include the name and location of the place of business of each subcontractor who shall perform work or service or fabricate or install work for the contactor in excess of one-half of one percent (1/2 of 1%) of the bid price. The bid shall describe the type of the work to be performed by each listed subcontractor.

8. No bid may be withdrawn for a period of sixty (60) days after the date set for the opening for bids except as provided by Public Contract Code §§5100 *et seq*. The District reserves the right to reject any and all bids and to waive any informalities or irregularities in the bidding.

9. Minority, women, and disabled veteran contractors are encouraged to submit bids. This bid is subject to Disabled Veteran Business Enterprise requirements.

10. This project is subject to prevailing wage requirements and bidder and its subcontractors are required to pay all workers employed for the performance of this project no less than the applicable prevailing wage rate for each such worker. If this project is for a public works project over $25,000 or for a maintenance project over $15,000, bidder acknowledges that the project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations in accordance with California Labor Code sections 1725.5 and 1770 *et seq*.

11. Each bidder shall possess at the time the bid is awarded the following classification(s) of California State Contractor's license: Class B, General Building Contractor.

12. By approving these bid documents, the Governing Board finds that the Napa Valley College Wine Education Center Project is substantially complex and unique and therefore requires a retention amount of 10%.

13. _X_ Bidder's Conference. A mandatory bidders' conference will be held at 2277 Napa-Vallejo Hwy, Napa Valley College campus, at the Trefethen Viticulture Building 3200A project site at 11 AM for the purpose of acquainting all prospective bidders with the Contract Documents and the Project site. Failure to attend the conference will result in the disqualification of the bid of the non-attending bidder.

    _____ No Bidders' Conference.

NAPA VALLEY COLLEGE DISTRICT

By: James Reeves, Asst. Superintendent Vice President of Administrative Services

DATED: March 6, 2024

Publication Dates: Not applicable.

INSTRUCTIONS TO BIDDERS

Each bid submitted to the Napa Valley College District ("District") for the Napa Valley College Wine Education Center Project ("Project") shall be in accordance with the following instructions and requirements, which are part of the Contract Documents for this Project.

1. Deadline For Receipt of Bids. Each bid shall be sealed and submitted to the District Superintendent or designee no later than 2 PM on April 25th, 2024.The District suggests that bids be hand delivered in order to ensure their timely receipt. Any bids received after the time stated, regardless of the reason, shall be returned, unopened, to the bidder.

2. Bidders' Conference. A mandatory bidders' conference will be held on March 20th, 2024 at 11 AM for the purpose of acquainting all prospective bidders with the Contract Documents and the Project site. It is imperative that all prospective bidders attend this conference. The failure to attend the conference will result in the disqualification of the bid of the non-attending bidder.

3. Requests for Information. A bidder's failure to request clarification or interpretation of an apparent error, inconsistency or ambiguity in the Contract Documents waives that bidder's right to thereafter claim entitlement to additional compensation based upon an ambiguity, inconsistency, or error, which should have been discovered by a reasonably prudent Contractor, subject to the limitations of Public Contract Code §1104. Any questions relative to the bid shall be in writing and directed to Ken Burroughs at KBurroughs@Kitchell.com. These requests shall be submitted to the District and Kitchell at least five working days prior to the date the bid is due.

4. Bid Proposal Forms. All bid proposals shall be made on the form provided by the District. All items on the form shall be filled out in ink. Numbers should be stated in figures, and the signatures of all individuals must be in long hand. The completed form should be without interlineations, alterations, or erasures

5. Execution of Forms. Each bid shall give the full business address of the bidder and must be signed by the bidder or bidder's authorized representative with his or her usual signature. Bids by partnerships must furnish the full names of all partners and must be signed in the partnership name by a general partner with authority to bind the partnership in such matters. Bids by corporations must be signed with the legal name of the corporation, followed by the signature and designation of the president, secretary, or other person authorized to bind the corporation in this matter. The name of each person signing shall also be typed or printed below the signature. When requested by the District, satisfactory evidence of the authority of the officer signing on behalf of the corporation or partnership shall be furnished. A bidder's failure to properly sign required forms may result in rejection of the bid. All bids must include the bidder's contractor license number(s) and expiration date(s).

6. Bid Security. Bid proposals shall be accompanied by a certified or cashier's check or bid bond for an amount not less than ten percent (10%) of the bid amount, payable to the District. A

bid bond shall be secured from an admitted surety company, licensed in the State of California, and satisfactory to the District. The bid security shall be given as a guarantee that the bidder will enter into the Contract if awarded the work, and in the case of refusal or failure to enter into the Contract within ten (10) calendar days after notification of the award of the Contract or failure to provide the payment and performance bonds and proof of insurance as required by the Contract Documents, the District shall have the right to award the Contract to another bidder and declare the bid security forfeited. The District reserves the right to pursue all other remedies in law or equity relating to such a breach including, but not limited to, seeking recovery of damages for breach of contract. Failure to provide bid security, or bid security in the proper amount, shall result in rejection of the bid.

7. Withdrawal of Bid Proposals. Bid proposals may be withdrawn by the bidders prior to the time fixed for the opening of bids, but may not be withdrawn for a period of sixty (60) days after the opening of bids, except as permitted pursuant to Public Contract Code §5103.

8. Addenda or Bulletins. The District reserves the right to issue addenda or bulletins prior to the opening of the bids subject to the limitations of Public Contract Code §4104.5. Any addenda or bulletins issued prior to bid time shall be considered a part of the Contract Documents.

9. Bonds. The successful bidder shall be required to submit payment and performance bonds as specified in and using the bond forms included with the Contract Documents. All required bonds shall be based on the maximum total contract price as awarded, including additive alternates, if applicable.

10. Rejection of Bids and Award of Contract. The District reserves the right to waive any irregularities in the bid and reserves the right to reject any and all bids. The Contract will be awarded, if at all, within sixty (60) calendar days after the opening of bids to the lowest responsible and responsive bidder, subject to Governing Board approval. The time for awarding the Contract may be extended by the District with the consent of the lowest responsible, responsive bidder.

11. Execution of Contract. The successful bidder shall, within ten (10) calendar days of the Notice of Award of the Contract, sign and deliver to the District the executed contract along with the bonds and certificates of insurance required by the Contract Documents. In the event the successful bidder fails or refuses to execute the Contract or fails to provide the bonds and certificates as required, the District may declare the bidder's bid deposit or bond forfeited as liquidated damages, and may award the work to the next lowest responsible, responsive bidder, or may reject all bids and, in its sole discretion, call for new bids. In all cases, the District reserves the right, without any liability, to cancel the award of Contract at any time prior to the full execution of the Contract.

12. Drawings and Specifications. All drawings, specifications and other documents used or prepared during the project shall be the exclusive property of the District.

13. Evidence of Responsibility. Upon the request of the District, a bidder shall submit promptly to the District satisfactory evidence showing the bidder's financial resources, the bidder's

experience in the type of work being required by the District, the bidder's availability to perform the Contract and any other required evidence of the bidder's qualifications and responsibility to perform the Contract. The District may consider such evidence before making its decision to award the Contract. Failure to submit requested evidence may result in rejection of the bid.

14. Taxes. Applicable taxes shall be included in the bid prices.

15. Bid Exceptions. Bid exceptions are not allowed. If the Bidder has a comment regarding the bid documents or the scope of work, the Bidder shall submit those comments to the District for evaluation at least five working days prior to the opening of the bids. No oral or telephonic modification of any bid submitted will be considered and a sealed written modification may be considered only if received prior to the opening of bids. E-mailed or faxed bids or modifications will not be accepted.

16. Discounts. Any discounts which the bidder desires to provide the District must be stated clearly on the bid form itself so that the District can calculate the net cost of the bid proposal. Offers of discounts or additional services not delineated on the bid form will not be considered by the District in the determination of the lowest responsible responsive bidder.

17. Quantities. The quantities shown on the plans and specifications are approximate. The District reserves the right to increase or decrease quantities as desired.

18. Prices. Bidders must quote prices F.O.B. unless otherwise noted. Prices should be stated in the units specified and bidders should quote each item separately.

19. Samples. On request, samples of the products being bid shall be furnished to the District.

20. Special Brand Names/Substitutions. In describing any item, the use of a manufacturer or special brand does not restrict bidding to that manufacturer or special brand, but is intended only to indicate quality and type of item desired, except as provided in §3400 of the Public Contract Code. Substitute products will be considered either prior to or after the award of the Contract in accordance with §3400 and as set forth in either the Supplemental Conditions or the Specifications. All data substantiating the proposed substitute as an "equal" item shall be submitted with the written request for substitution. The District reserves the right to make all final decisions on product and vendor selection.

21. Container Costs and Delivery. All costs for containers shall be borne by the bidder. All products shall conform to the provisions set forth in the federal, county, state and city laws for their production, handling, processing and labeling. Packages shall be so constructed to ensure safe transportation to the point of delivery.

22. Bid Negotiations. A bid response to any specific item of the bid using terms such as “negotiable,” “will negotiate,” or similar phrases, will be considered non-responsive.

23. Prevailing Law. In the event of any conflict or ambiguity between these instructions and state or federal law or regulations, the latter shall prevail. All equipment to be supplied or services to be performed under the bid proposal shall conform to all applicable requirements of local, state and federal law, including, but not limited to, Labor Code §§1771, 1778 and 1779.

24. Allowances. An "allowance" means an amount included in the bid proposal for work that may or may not be included in the Project, depending on conditions that will become known only after the Project is underway.

25. Subcontractors. Pursuant to the Subletting and Subcontracting Fair Practices Act, Public Contract Code §§4100-4114, every bidder shall, on the enclosed Subcontractor List Form, set forth:

    a. The name and location of the place of business of each Subcontractor who will perform work or labor or render service to the bidder in or about the work or fabricate and install work in an amount in excess of one-half (1/2) of the one percent (1%) of the bidder's total bid.

    b. If the bidder fails to specify a Subcontractor for any portion of the work to be performed under the Contract in excess of one-half (1/2) of one percent (1%) of the bidder's total bid, bidder agrees that bidder is fully qualified to and shall perform that portion of the work. The successful bidder shall not, without the written consent of the District or compliance with Public Contract Code §§4100 - 4114, either:

        1) Substitute any person as Subcontractor in place of the Subcontractor designated in the original bid;

        2) Permit any subcontract to be voluntarily assigned or transferred or allow the work to be performed by anyone other than the original Subcontractor listed in the bid; or

        3) Sublet or subcontract any portion of the work in excess of one-half (1/2) of one percent (1%) of the total bid as to which the bidder's original bid did not designate a Subcontractor.

26. Examination of Contract Documents and Work Site. Before submitting a bid proposal, all bidders shall carefully examine the Contract Documents, including the plans and specifications, shall visit the site of the proposed work, and shall fully inform themselves of all conditions in and about the work site, as well as applicable federal, state and local laws and regulations that may affect the work. No bidder shall visit the site without prior authorization of the District. Bidders shall contact the District Superintendent or designee for coordination of site visits.

27. Form and Approval of Contract. The Contract Documents must be approved by the Governing Board of the District and its legal counsel. The bidder selected by the District shall execute the contract provided by the District.

28. Licenses and Permits. Each bidder shall at all times possess all appropriate and required licenses or other permits to perform the work as identified in the Contract Documents. Upon request, each bidder shall furnish the District with evidence demonstrating possession of the required licenses or permits.

29. Denial of Right to Bid. Contractors or Subcontractors who have violated state law governing public works shall be denied the right to bid on this public works contract pursuant to Labor Code §1777.7.

30. Bidders Interested in More Than One Bid. No person, firm, or corporation shall make, or file, or be interested in more than one bid. However, a person, firm, or corporation that has submitted a subproposal to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a sub-proposal or quoting prices to other bidders or from submitting a prime proposal.

31. Contractor's State License Board. Contractors and Subcontractors are required by law to be licensed and regulated by the California Contractors' License Board.

32. Labor Compliance Program. This project is subject to prevailing wage requirements and bidder and its subcontractors are required to pay all workers employed for the performance of this project no less than the applicable prevailing wage rate for each such worker. If this project is for a public works project over $25,000 or for a maintenance project over $15,000, bidder acknowledges that the project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations in accordance with California Labor Code sections 1725.5 and 1770 *et seq*.

34. Iran Contracting Act Certification/Compliance with Economic Sanctions Certification. Contractors shall submit the Iran Contracting Act Certification and the Compliance with Economic Sanctions Certification with their Bid. Bids submitted without these certifications shall be deemed non-responsive and will not be considered.

35. Additive and Deductive Items: Method of Determining Lowest Bid. Pursuant to Public Contract Code §20103.8, if the bid solicitation includes additive and/or deductive items, the checked [X] method shall be used to determine the lowest bid:

__X___ (a) The lowest bid shall be the lowest bid price on the base contract without consideration of the prices on the additive or deductive items.

_____ (b) The lowest bid shall be the lowest total of the bid prices on the base contract and those additive or deductive items that were specifically identified in the bid solicitation or Bid Proposal Form as being used for the purpose of determining the lowest bid price.

_____ (c) The lowest bid shall be the lowest total of the bid prices on the base contract and those additive or deductive items taken in order from a specifically identified list of those items that, when in the solicitation, and added to, or subtracted from, the base contract, are

less than, or equal to, a funding amount publicly disclosed by the District before the first bid is opened.

_____ (d) The lowest bid shall be determined in a manner that prevents any information that would identify any of the bidders or the proposed Subcontractors or suppliers from being revealed to the public entity before the ranking of all bidders from lowest to highest has been determined.

If no method is checked, sub-paragraph (a) shall be used to determine the lowest bid.

Notwithstanding the method used by the District to determine the lowest responsible bidder, the District retains the right to add to or deduct from the Contract any of the items included in the bid solicitation.

36. COVID-19 Protocol. By entering into the Contract with the District, the Contractor, in performing services under the Contract, agrees to strictly, and without exception, follow all local, state and federal guidelines and protocols regarding COVID, including all District policies and procedures.

37. Bid Protest. Any bid protest must be in writing and received by the District Office before 5:00 p.m. no later than three (3) working days following bid opening and shall comply with the following requirements:

a. The bid protest must contain a complete statement of the basis for the protest and all supporting documentation.

b. The party filing the protest must have actually submitted a bid for the Project. A Subcontractor of a bidder submitting a bid for the Project may not submit a bid protest. A bidder may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.

c. The protest must refer to the specific portion or portions of the Contract Documents upon which the protest is based.

d. The protest must include the name, address and telephone number of the person representing the protesting bidder.

e. The bidder filing the protest must concurrently transmit a copy of the bid protest and all supporting documentation to all other bidders with a direct financial interest which may be affected by the outcome of the protest, including all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.

f. The bidder whose bid has been protested may submit a written response to the bid protest. Such response shall be submitted to the District before 5 p.m. no later than two (2) working days after the deadline for submission of the bid protest or receipt of

the bid protest, whichever is sooner, and shall include all supporting documentation. Such response shall also be transmitted concurrently to the protesting bidder and to all other bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.

g. The procedure and time limits set forth in this section are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. The bidder's failure to comply with these procedures shall constitute a waiver of any right to further pursue the bid protest, including filing a Government Code claim or legal proceedings.

h. If the District determines that a protest is frivolous, the protesting bidder may be determined to be non-responsible and that bidder may be determined to be ineligible for future contract awards by the District.

i. A "working day" for purposes of this section means a weekday during which the District's office is open and conducting business, regardless of whether or not school is in session.

BID PROPOSAL FORM

Governing Board
Napa Valley College District

Dear Members of the Governing Board:

The undersigned, doing business under the name of _____ _____, having carefully examined the location of the proposed work, the local conditions of the place where the work is to be done, the Notice Inviting Bids, the General Conditions, the Instructions to Bidders, the Plans and Specifications, and all other Contract Documents for the proposed Napa Valley College Wine Education Center Project ("Project"), and having accurately completed the Bidder's Questionnaire, proposes to perform all work and activities in accordance with the Contract Documents, including all of its component parts, and to furnish all required labor, materials, equipment, transportation and services required for the construction of the Project in strict conformity with the Contract Documents, including the Plans and Specifications, as follows:

BASE BID:
For the sum of

_____
_____Dollars ($ _____).

ADDITIVE/DEDUCTIVE ALTERNATE *[if applicable]*:

Additive/Deductive Alternate #1 _____
Add/Subtract _____ Dollars ($_____)

Additive/Deductive Alternate #2 _____
Add/Subtract _____ Dollars ($_____)

Additive/Deductive Alternate #3 _____
Add/Subtract _____ Dollars ($_____)

The undersigned has checked carefully all the above figures and understands that the District is not responsible for any errors or omissions on the part of the undersigned in making this bid.

Enclosed find certified or cashier's check no._____ of the _____ Bank for _____ Dollars ($_____) or Bidder's Bond of the _____ surety company in an amount of not less than ten percent (10%) of the entire bid. The undersigned further agrees, on the acceptance of this proposal, to execute the Contract and provide the required bonds and insurance and that in case of default in executing these documents within the time fixed by the

Contract Documents, the proceeds of the check or bond accompanying this bid shall be forfeited and shall become the property of the District.

Contractor agrees to commence the work within the time specified in the Notice to Proceed. It is understood that this bid is based upon completing the work within the number of calendar days specified in the Contract Documents.

ADDENDA:
Receipt of the following addenda is hereby acknowledged:

Addendum # _____ Dated: _____ Addendum # _____ Dated: _____
Addendum # _____ Dated: _____ Addendum # _____ Dated: _____
Addendum # _____ Dated: _____ Addendum # _____ Dated: _____

Respectfully submitted,

Company: _____

Address: _____

_____

By: _____
(Please Print Or Type)

Signature: _____

Title: _____

Date: _____

Telephone: _____

Contractor's License No: _____ Expiration Date _____

DIR Registration No:_____

Required Attachments:
Subcontractor List Form
Non-Collusion Declaration
Bid Bond (or Cashier's or Certified Check)
Bidders' Questionnaire
Workers' Compensation Certificate
Iran Contracting Act Certification
Compliance with Economic Sanctions Certification

SUBCONTRACTOR LIST FORM

In compliance with the provisions of sections 4100 through 4114, inclusive, of the Public Contract Code and any amendments thereto, each bidder shall set forth the name and location of place of business, California contractor license number and public works contractor registration number issued pursuant to Section 1725.5 of the Labor Code for each Subcontractor who will perform a portion of the Contract work in an amount in excess of 1/2 of 1 percent of the total contract price.

PORTION OF WORK	NAME	LOCATION	LICENSE #	DIR#

WORKERS' COMPENSATION CERTIFICATE

Labor Code §3700 in relevant part 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, 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 employees."

I am aware of the provisions of §3700 of the Labor Code which 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 the work of this Contract and will require all Subcontractors to do the same.

_____
Contractor

By: _____

In accordance with Article 5 (commencing at §1860), Chapter 1, Part 7, Division 2 of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any work under this Contract.

NON-COLLUSION DECLARATION

To be executed by the bidder and submitted with the bid.

_____, declares that he or she is _____ of _____, the party making the foregoing bid, and affirms that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that 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 bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true and correct; and, further, that the bidder has not, directly or indirectly, submitted his or her 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 corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

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

Date: _____ _____
Signature

IRAN CONTRACTING ACT CERTIFICATION

(Public Contract Code Sections 2202-2208)

As required by California Public Contract Code Section 2204, the Contractor certifies subject to penalty for perjury that the option checked below relating to the Contractor's status in regard to the Iran Contracting Act of 2010 (Public Contract Code Section 2200 et seq.) is true and correct:

- € The Contractor is not:
  - identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203; or
  - a financial institution that extends, for 45 days or more, credit in the amount of $20,000,000 or more to any other person or entity identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203, if that person or entity uses or will use the credit to provide goods or services in the energy sector in Iran.

- € The District has exempted the Contractor from the requirements of the Iran Contracting Act of 2010 after making a public finding that, absent the exemption, the District will be unable to obtain the goods and/or services to be provided pursuant to the Contract.

- € The amount of the Contract payable to the Contractor for the Project does not exceed $1,000,000.

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

_____
Signature Date

_____
Name Title

_____
Name of Contractor

COMPLIANCE WITH ECONOMIC SANCTIONS CERTIFICATION

As required by Executive Order N-6-22, issued by Governor Gavin Newsom on March 4, 2022 ("EO"), the Contractor certifies compliance with the economic sanctions imposed in response to Russia's actions in Ukraine, including with respect to, but not limited to, the federal executive orders identified in the EO and the sanctions identified on the U.S. Department of the Treasury website (https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/ukraine-russia-related-sanctions). Contractor understands that failure to comply may result in the termination of this Agreement.

If this Agreement is valued at $5 million or more, Contractor understands and agrees that within 45 days of receipt of the Notice to Proceed, it must report in writing to the District on steps it has taken to comply with the EO and with Federal Executive Order 14065, including but not limited to, desisting from making new investments in, or engaging in financial transactions with Russian entities.

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

_____

Signature Date

_____

Name Title

_____

Name of Contractor

BID BOND

We, the Contractor,_____ as principal ("Principal"), and _____, as surety ("Surety"), are firmly bound unto the Napa Valley College District ("District") in the penal sum of ten percent (10%) of the total amount of the bid of the Principal submitted to the District for the work described below for the payment of which sum in lawful money of the United States, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by this agreement.

Whereas, the Principal has submitted the accompanying bid ("Bid") dated _____, for the following project ("Project"): Napa Valley College Wine Education Center.

Now, therefore, if the Principal does not withdraw its Bid within the period specified, and if the Principal is awarded the Contract and within the period specified fails to enter into a written contract with District, in accordance with the Bid as accepted, or fails to provide the proof of required insurance, the performance bond and/or the payment bond by an admitted surety within the time required, or in the event of unauthorized withdrawal of the Bid, if the Principal pays the District the difference between the amount specified in the Bid and the amount for which District may otherwise procure the required work and/or supplies, if the latter amount is in excess of the former, together with all related costs incurred by District, then the above obligation shall be void and of no effect. Otherwise, the Principal and Surety shall pay to the District the penal sum described above as liquidated damages.

Surety, for value received, hereby agrees that no change, extension of time, alteration or addition to the term of the Contract or the call for bids, or to the work to be performed thereunder, or the Specifications accompanying the same, shall in any way affect its obligation under this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition.

In witness whereof the above-bound parties have executed this instrument under their several seals this _____ day of _____, 20__, the name and corporate seal of each corporate Party being hereunder affixed and these presents duly signed by its undersigned representative, pursuant to the authority of its governing body.

(Corporate Seal)

_____
Principal/Contractor

By _____

Title:_____

(Corporate Seal)

_____
Surety

Attach Attorney-In-Fact Certificate

By _____

_____
Title

To be signed by Principal and Surety and Acknowledgment and Notary Seal to be attached.

BIDDER'S QUESTIONNAIRE

For the

Napa Valley College Wine Education Center Project

TO THE BIDDER:

In making its award, the Governing Board will take into consideration the Bidder's experience, financial responsibility and capability. The following questionnaire is a part of the bid. Any bid received without this completed questionnaire may be rejected as nonresponsive. The Board will use, but will not be limited to, the information provided herein for evaluating the qualifications and responsibility of the bidder and the bidder's organization to carry out satisfactorily the terms of the Contract Document. The questionnaire must be filled out accurately and completely and submitted with the bid. Any errors, omissions or misrepresentation of information may be considered as a basis for the rejection of the bid and may be grounds for the termination of any contract executed as a result of the bid.

A. Description of Bidder's Organization

1. Firm Name _____

2. Address _____

3. Telephone Number _____

4. Type of Organization

   a. Corporation? Yes ____ No ____

   If yes, list the officers and positions, and the State in which incorporated.

   _____

   _____

   _____

   If the Bidder corporation is a subsidiary, give name and address of parent corporation.

b. Partnership? Yes ____ No ____

If yes, list partner names and addresses

General Partners:

_____

_____

_____

Limited Partners:

_____

_____

_____

c. Individual Proprietorship? Yes ____ No ____

If yes, list name and address of proprietor:

_____

_____

_____

B. Nature of Operations

1. How long have you been engaged in the contracting business under your present business name? _____

2. How many years of experience does your business have in construction work similar to that called for under this bid? _____

3. Have you now contracts, or have you ever contracted, to provide construction for any school district, community college district or county office of education in the State of California?
Yes ____ No ____

a. If "yes," on a separate attached sheet, provide the following information for all construction projects you have had with school districts, community college districts and county offices of education during the last four (4) years:

1. Year contract awarded
2. Type of work

3. Contract completion time called for/actual completion time
4. Contract price
5. For whom performed, including person to call for a reference and telephone number
6. Location of work
7. Number of stop notices filed
8. For each contract, list any lawsuits filed relating to that contract in which you were a defendant or plaintiff
9. Amount of liquidated damages assessed.

b. On a separate attached sheet, provide the following information for all construction contracts of a similar nature as called for in this bid that you have had with entities other than school districts, community college districts and county offices of education during the last four (4) years:

1. Year contract awarded
2. Type of work
3. Contract completion time called for/actual completion time
4. Contract price
5. For whom performed, including person to call for reference and phone number
6. Location of work
7. Number of stop notices filed
8. For each contract list any lawsuits filed relating to that contract in which you were a defendant or plaintiff
9. Amount of liquidated damages assessed.

c. For each construction contract that you have failed to complete within the contract time in the last four years please state the reasons for the untimely performance.`

C. Financial and Credit Data

1. If your bid is considered for award, and if requested by the District, will you supply the following data? Yes ____ No ____

a. Names and addresses of any banks where you regularly do business.

b. The names and addresses of any banks, finance companies, dealers, suppliers, or others where you have notes or loans.

c. Give credit references, including at least three trade or industry suppliers with whom you regularly deal.

2. Will you submit on request a balance sheet for the past three (3) years?
Yes ____ No ____

3. Where have you engaged in the construction business, or any other type of business, in the last five years?

Name of Business	Location	Type of Business	Years in Business

If any of the business endeavors referred to above are no longer operating, or you are no longer associated with them, please give brief details:

_____
_____
_____

4. The following surety companies may be contacted as references as to the financial responsibility and general reliability of the bidder:

Surety Name	Contact Person	Phone Number

I certify under penalty of perjury that the foregoing is true and correct. Executed at _____, California, on _____, 20___.

Signature of Bidder _____

Name *(print)* _____

CONTRACT

This Contract ("Contract") is made by and between the Napa Valley College District ("District"), and _____ ("Contractor").

District and Contractor hereby agree as follows:

1. Description of Work

The Contractor agrees to furnish all labor, materials, equipment, tools, supervision, appurtenances, and services, including transportation and utilities, required to perform and satisfactorily complete all work required for the following project ("Project") in full conformance with the Contract Documents:
Napa Valley College Wine Education Center.

2. Contract Documents

The Contract Documents consist of the executed Contract and all Addenda, all approved change orders, the completed Bid Form, the required Bonds and the Insurance forms, the Notice Inviting Bids, the Instructions to Bidders, the Notice of Award, the Notice to Proceed, the General Conditions and any supplemental conditions, the Technical Specifications, the Drawings, the completed Bidder's Questionnaire, and.

3. Compensation

As full compensation for the Contractor's complete and satisfactory performance of the work and activities described in the Contract Documents, the District agrees to pay Contractor, and Contractor agrees to accept the sum of _____ Dollars ($ _____), which shall be paid to the Contractor according to the Contract Documents.

4. Prevailing Wages and Labor Compliance

This Project is subject to prevailing wage requirements and Contractor and its Subcontractors are required to pay all workers employed for the performance of this Contract no less than the applicable prevailing wage rate for each such worker. The project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations. In accordance with SB 854, all bidders, contractors and subcontractors working at the site shall be duly registered with the Department of Industrial Relations at time of bid opening and at all relevant times. Proof of registration shall be provided as to all such contractors prior to the commencement of any work.

5. Time for Completion

The starting date of the Contract shall be the day listed by the District in the Notice to Proceed and the Contractor shall fully complete all the work before the expiration of 365 calendar days from the starting date. Time is of the essence in the performance of this Contract.

6. Liquidated Damages

Liquidated damages for the Contractor's failure to complete the Contract within the time fixed for completion are established in the amount of $1,000.00 per calendar day.

IN WITNESS WHEREOF, the parties agree to the terms of this Contract on the day and year written below.

Napa Valley College
District

_____
Contractor

By: _____
Individual Signature

_____
Contractor License No.
and Expiration Date

By: _____

Individual Signature

_____
Title

_____
Date

For: _____
Corporation or Partnership

If Corporation, Affix Seal.

GENERAL CONDITIONS

TABLE OF CONTENTS

1. DEFINITIONS

Addendum: A written change or revision to the Contract Documents issued to the prospective bidders prior to the time of receiving bids.

Alternate: The sum to be added to or deducted from the base Bid if the change in scope of work as described in Alternates is accepted by the District.

Approved: Approved by the District or the District's authorized representative unless otherwise indicated in the Contract Documents.

Architect: The person or firm holding a valid license to practice architecture or engineering which has been designated (if any designated) to provide architectural or engineering design services on this Project. When Architect is referred to within the Contract Documents and no architect or engineer has in fact been designated, then the matter shall be referred to the District Superintendent or designee.

As Directed: As directed by the District or its Architect, unless otherwise indicated in the Contract Documents.

As Selected: As selected by the District or its Architect, unless otherwise indicated in the Contract Documents.

Bid: The properly completed and signed proposal to perform the construction work for the Project as described in the Contract Documents.

Construction Manager: The individual or entity named as such by the District. If no Construction Manager is designated for the Project, all references to the Construction Manager in these Contract Documents shall mean the District and/or its designee.

Contract: The legally binding agreement between the District and the Contractor wherein the Contractor agrees to furnish the labor, materials, equipment, and appurtenances required to perform the work described in the Contract Documents and the District agrees to pay the Contractor for such work.

Contract Documents: The Contract Documents are described in the Contract for this Project.

Contractor: The person or entity holding a valid license in the State of California required for performing this Project and who has contracted with the District to perform the construction work described in the Contract Documents. The term Contractor shall be construed to mean all of the officers, employees, Subcontractors, suppliers, or other persons engaged by the Contractor for the work of this Project.

District and/or Owner: The District, its Governing Board, authorized officers and employees, and authorized representatives.

DSA: The State of California Division of the State Architect which has the authority to review, approve and inspect the design, alteration and construction of school buildings.

Final Completion: Final Completion is achieved when the Contractor has fully completed all Contract Document requirements, including, but not limited to, all final punch list items, to the District's satisfaction.

Inspector: The person engaged by the District to conduct the inspections required by the Education Code and Title 24.

Furnish: Purchase and deliver to the site of installation.

Governing Board: The Governing Board of the District.

Indicated or As Shown: Shown on drawings and/or as specified.

Install: Fix in place, for materials; and fix in place and connect, for equipment.

Modification: An authorized change to the Contract Documents which may or may not include a change in contract price and/or time.

Project: The total construction work and activities described in these Contract Documents.

Secure: Obtain.

Subcontractor: A person, firm, or corporation, duly licensed by the State of California, who has a contract with the Contractor to furnish labor, materials and equipment, and/or to install materials and equipment for work in this Contract.

2. ARCHITECT

The Architect is responsible for the overall design of the Project. The working drawings, technical Specifications, sketches and other information necessary to define the work covered by these Contract Documents have been prepared by the Architect. The Architect shall visit, inspect and observe the construction to determine general compliance with the Contract Documents, and interpret the drawings and Specifications consistent with their intent. The Architect shall evaluate the samples and other submittals required in the technical Specifications, and maintain an up-to-date log of all such items processed. The Architect will consult with the District, Contractor, and any state, county or city agency having jurisdiction over the work whenever necessary to further the best interests of the Project.

3. CONTRACT DOCUMENTS

a. Contents and Precedence

The Contract Documents consist of the executed Contract and all Addenda, all approved change orders, the completed Bid Form, the required Bonds and the Insurance forms, the Notice Inviting Bids, the Instructions to Bidders, the Notice of Award, the Notice to Proceed, the General Conditions, any supplemental Conditions, the Technical Specifications, the Drawings and the completed Bidder's Questionnaire. The Contract Documents are complementary and anything required by one shall be as binding as if required by all. In case of conflicts within the Contract Documents, the order of precedence of interpretation shall be as listed above, with the executed Contract and any change order thereto having priority, and subsequent Addenda having priority over prior Addenda only to the extent modified by the subsequent Addenda. In case of conflict within the drawings, larger scale drawings shall govern smaller scale drawings, and written dimensions shall govern over scaled dimensions.

b. Ambiguities, Errors, and Inconsistencies

If, in the opinion of the Contractor, the construction details indicated on the drawings or otherwise specified are in conflict with accepted industry standards for quality construction and therefore might interfere with its full guarantee of the work involved, the Contractor shall promptly bring this information to the attention of the Architect for appropriate action before submittal of the bid. Contractor’s failure to request clarification or interpretation of an apparent ambiguity, error or inconsistency waives that Contractor’s right to thereafter claim any entitlement to additional compensation based upon an ambiguity, inconsistency, or error, which should have been discovered by a reasonably prudent Contractor, subject to the limitations of Public Contract Code §1104. During the Project, should any discrepancy appear or any misunderstanding arise as to the import of anything contained in the Contract Documents, the matter shall be promptly referred to the Architect, who will issue instructions or corrections.

c. Lines and Planes

All lines and planes appearing on Contract drawings to be horizontal or vertical and not explicitly indicated otherwise shall be constructed true and plumb. All lines and planes appearing on Contract drawings to intersect at right angles and not explicitly indicated otherwise shall be constructed at true right angles. Where details are indicated covering specific conditions, such details also apply to all similar conditions not specifically indicated.

d. Standards

The specification standards of the various sections of the Specifications shall be the procedural, performance, and material standards of the applicable association publications identified and shall be the required level of installation, materials, workmanship, and performance for the applicable work. Except where a specific date of issue is mentioned

hereinafter, references to specification standards shall mean the edition, including amendments and supplements, in effect on the date of the Notice Inviting Bids. Where no standard is identified and a manufacturer is specified, the manufacturer's specifications are the standards. All standards shall be subordinate to the requirements of the applicable codes and regulations.

e. Reference to the Singular

Wherever in the Specifications an article, device or piece of equipment is referred to in the singular number, such reference shall include as many such items as are shown on drawings or required to complete the installation.

4. INTENT OF DRAWINGS AND SPECIFICATIONS

a. Drawings and Specifications are to be read as an integrated document. The Contractor shall promptly report to the Architect any ambiguities, discrepancies, or errors which come to the Contractor's attention.

b. Figured dimensions shall be followed in preference to scaled dimensions, and the Contractor shall make all additional measurements necessary for the work and shall be responsible for their accuracy. Before ordering any material or doing any work, the Contractor shall verify all measurements at the Project site and shall be responsible for the correctness of same.

c. It is the intent of the drawings and Specifications to show and describe complete installations. Items shown but not specified, or specified but not shown, shall be included unless specifically omitted.

1) The Specifications shall be deemed to include and require everything necessary and reasonably incidental to the completion of all work described and indicated on the drawings, whether particularly mentioned or shown, or not.

5. TRADE DIVISIONS

Segregation of the Specifications into the designated trade divisions is only for the purpose of facilitating descriptions and shall not be considered as limiting the work of any subcontract or trade. Subject to other necessary provisions set forth in the Specifications, the terms and conditions of such limitations or inclusions shall lie solely between the Contractor and its Subcontractors. "Scope" as indicated in each section of the Specifications shall serve only as a general guide to what is included in that section. Neither the stated description nor the division of the plans and Specifications to various sections, which is done solely for convenience, shall be deemed to limit the work required, divide or indicate it by labor jurisdiction or trade practice, or set up any bidding barriers to the various sub-contractors or suppliers.

a. The Contractor shall be responsible for the proper execution of all work required by the Contract Documents and for allocating such portions as the Contractor sees fit to the various Subcontractors, subject to applicable law. The Contractor is cautioned that the various

individual sections may not contain all work that the Contractor may wish to allocate to a particular Subcontractor or everything bearing on the work of a particular trade, some of which may appear in other portions of the plans or Specifications.

b. If the Contractor elects to enter into any subcontract for any section of the work the Contractor assumes all responsibility for ascertaining that the Subcontractor for the work is competent, licensed, solvent, thoroughly acquainted with all conditions and legal requirements of the work, has included all materials and appurtenances in connection therewith in the subcontract, and has performed its work in strict compliance with the Contract Documents.

c. It shall be the responsibility of the Contractor to notify each prospective Subcontractor at the time of request for bids of all portions of the Contract Documents, including the General Conditions, Supplementary Conditions and any parts of sections of Specifications or plans that the Contractor intends to include as part of the subcontract.

6. MASTER MANDATORY PROVISIONS

a. Any material, item, or piece of equipment mentioned, listed or indicated without definition of quality, shall be consistent with the quality of adjacent or related materials, items, or pieces of equipment on the Project.

b. Any method of installation, finish, or workmanship of an operation called for, without definition of standard of workmanship, shall be followed or performed and finished in accordance with best practices and consistent with adjacent or related installations on the Project.

c. Any necessary material, item, piece of equipment or operation not called for but reasonably implied as necessary for proper completion of the work shall be furnished, installed or performed and finished; and shall be consistent with adjacent or related materials, items, or pieces of equipment on the Project, and in accordance with best practices.

d. Names or numbered products are to be used according to the manufacturers' directions or recommendations unless otherwise specified.

7. CONTRACTOR

a. The Contractor shall perform all the work and activities required by the Contract Documents and furnish all labor, materials, equipment, tools and appurtenances necessary to perform the work and complete it to the District’s satisfaction within the time specified. The Contractor shall at all times perform the work of this Contract in a competent and workmanlike manner and, if not specifically stated, accomplish the work according to the best standards of construction practice. The Contractor in no way is relieved of any responsibility by the activities of the architect, engineer, inspector or DSA in the performance of such duties.

b. The Contractor shall employ a full-time competent superintendent and necessary assistants who shall have complete authority to act for the Contractor on all matters pertaining to the work. The superintendent shall be satisfactory to the District and, if not satisfactory, shall be replaced by the Contractor with one that is acceptable. Also, the superintendent shall not be changed without the written consent of the District unless the superintendent ceases to be employed by the Contractor.

c. Contractor shall make the layout of lines and elevations and shall be responsible for the accuracy of both the Contractor's and the Subcontractors' work resulting therefrom. All dimensions affecting proper fabrication and installation of all Contract work must be verified by the Contractor prior to fabrication and installation by taking field measurements of the true conditions. The Contractor shall take, and assist Subcontractors in taking, all field dimensions required in performance of the work, and shall verify all dimensions and conditions on the site. If there are any discrepancies between dimensions in drawings and existing conditions which will affect the work, the Contractor shall promptly bring such discrepancies to the attention of the Architect for adjustment before proceeding with the work. Contractor shall be responsible for the proper fitting of all work and for the coordination of all trades, Subcontractors and persons engaged upon this Contract.

d. Contractor shall do all cutting, fitting, or patching of Contractor's work that may be required to make its several parts come together properly and fit it to receive or be received by work of other contractors as shown, or reasonably implied by, the drawings and Specifications for the completed work. Any cost incurred by the District due to defective or ill-timed work shall be borne by the Contractor.

8. RESPONSIBILITY OF CONTRACTOR

a. Contractor shall be held strictly responsible for the proper performance of all work covered by the Contract Documents, including all work performed by Subcontractors. All work performed under this Contract shall comply in every respect to the rules and regulations of all agencies having jurisdiction over the Project or any part thereof.

b. Contractor shall submit Verified Reports as defined in §§4-336 and 4-343 (c), Group 1, Chapter 4, Part I, Title 24, California Code of Regulations ("CCR"). The duties of the Contractor are as defined in §4-343, Group 1, Chapter 4, Part I, Title 24, of the CCR. Contractor shall keep and make available a copy of Title 24 of the CCR at the job site at all times.

c. Where, because of short supply, any item of fabricated materials and/or equipment, indicated on drawings or specified is unobtainable and it becomes necessary, with the consent of the Architect, to substitute equivalent items differing in details or design, the Contractor shall promptly submit complete drawings and details indicating the necessary modifications of the work. This provision shall be governed by the terms of the General Conditions regarding Submittals: Shop Drawings, Cuts and Samples.

d. With respect to work performed at and near a school site, Contractor shall at all times take all appropriate measures to ensure the security and safety of students and staff, including, but not limited to, ensuring that all of Contractor's employees, Subcontractors, and suppliers entering school property strictly adhere to all applicable District policies and procedures, e.g., sign-in requirements, visitor badges, and access limitations.

9. SUBCONTRACTORS

a. Nothing contained in the Contract Documents shall create any contractual relationship between any Subcontractor and the District. The District shall be deemed to be the third party beneficiary of the contract between the Contractor and each Subcontractor. If the Contractor does not specify a Subcontractor for any portion of the work to be performed under this Contract, as required by law, Contractor shall perform that portion of the work with its own forces. The Contractor shall not substitute any other person or firm as a Subcontractor for those listed in the bid submitted by the Contractor, without the written approval of the District and in conformance with the requirements of the Public Contract Code. The District reserves the right of approval of all Subcontractors proposed for use on this Project, and to this end, may require financial, performance, and such additional information as is needed to secure this approval. If a Subcontractor is not approved, the Contractor shall promptly submit another firm of the same trade for approval.

b. The Contractor shall insert appropriate provisions in all subcontracts pertaining to work on this Project requiring the Subcontractors to be bound by all applicable terms of the Contract Documents. The Contractor shall be as fully responsible for the acts and omissions of the Subcontractors, and of persons either directly or indirectly employed by them, as the Contractor is for the acts and omissions of persons directly employed by the Contractor.

10. PERFORMANCE AND PAYMENT BONDS

a. As directed in the Notice of Award, the Contractor shall file with the District the following bonds, using the bond forms provided with these Contract Documents:

1) A corporate surety bond, in a sum not less than 100 percent of the amount of the Contract, to guarantee the faithful performance of the Contract.

2) A corporate surety bond, in a sum not less than 100 percent of the amount of the Contract, to guarantee the payment of wages for services engaged and of bills contracted for materials, supplies, and equipment used in the performance of the Contract.

b. Corporate sureties on these bonds and on bonds accompanying bids must be admitted sureties as defined by law, legally authorized to engage in the business of furnishing surety bonds in the State of California. All sureties and bond forms must be satisfactory to the District. Failure to submit the required bonds within the time specified by the Notice of Award, using the forms provided by the District, may result in cancellation of the award of Contract and forfeiture of the Bid Bond.

c. The amount of the Contract, as used to determine the amounts of the bonds, shall be the total amount fixed in the Contractor's proposal for the performance of the required work.

d. During the period covered by the Contract, if any of the sureties upon the bonds shall become insolvent or unable, in the opinion of the District, to pay promptly the amount of such bonds to the extent to which surety might be liable, the Contractor, within thirty (30) days after notice given by the District to the Contractor, shall provide supplemental bonds or otherwise substitute another and sufficient surety approved by the District in place of the surety becoming insolvent or unable to pay. If the Contractor fails within such thirty (30) day period to substitute another and sufficient surety, the Contractor shall, if the District so elects, be deemed to be in default in the performance of its obligations hereunder and upon the bid bond, and the District, in addition to any and all other remedies, may terminate the Contract or bring any proper suit or other proceedings against the Contractor and the sureties or any of them, or may deduct from any monies then due or which thereafter may become due to the Contractor under the Contract, the amount for which the surety, insolvent or unable to pay, shall have been liable on the bonds, and the monies so deducted shall be held by the District as collateral security for the performance of the conditions of the bonds.

11. INSURANCE

a. Contractor shall obtain insurance from a company or companies acceptable to District. All required insurance must be written by an admitted company licensed to do business in the State of California at the time the policy is issued. All required insurance shall be equal to or exceed an A VIII rating as listed in Best's Insurance Guide's latest edition. Required documentation of such insurance shall be furnished to the District at the time Contractor returns the executed Contract. Contractor shall not commence work nor shall it allow its employees or Subcontractors or anyone to commence work until all insurance required hereunder has been submitted and approved by the District and a notice to proceed has been issued.

b. Contractor shall take out and maintain at all times during the life of this Contract, up to the date of acceptance of the work by the District, the following policies of insurance:

1) General Liability Insurance: Personal injury and replacement value property damage insurance for all activities of the Contractor and its Subcontractors arising out of or in connection with this Contract, written on a comprehensive general liability form including contractor's protected coverage, blanket contractual, completed operations, vehicle coverage and employer's non-ownership liability coverage, in an amount no less than either:

a. $2,000,000.00 combined single limit personal injury and property damage for each occurrence and $4,000,000.00 annual aggregate or

b. $4,000,000.00 annual combined single limit.

2) Builders Risk Insurance:

____Contractor is not required to procure and maintain builders' risk insurance (all-risk coverage).

_X__Contractor shall procure and maintain builders' risk insurance (all-risk coverage) on a one hundred percent completed value basis on the insurable portion of the project for the benefit of the District, and the Contractor and subcontractor as their interest may appear.

3) Automobile Liability Insurance: Covering bodily injury and property damage in an amount no less than $1,000,000.00 combined single limit for each occurrence. Such insurance shall include coverage for owned, hired, and non-owned vehicles and be included on the umbrella/excess policy.

c. The certificate(s) for both the General Liability Policy(ies) and the Automobile Liability Policy specified above must state that the insurance is under an occurrence based, and not claims made, policy(ies) and shall be endorsed with the following specific language:

> "The Napa Valley Community College District is named as additional insured for all liability arising out of the operations by or on behalf of the named insured, and this policy protects the additional insured, its officers, agents and employees against liability for bodily injuries, deaths or property damage or destruction arising in any respect directly or indirectly in the performance of the Contract."

d. The certificate(s) for both the General Liability Policy and the Automobile Liability Policy, as well the Builders' Risk Policy if required above, shall be endorsed with the following specific language:

1) The inclusion of more than one insured shall not operate to impair the rights of one insured against another insured and the coverages afforded shall apply as though separate policies have been issued to each insured.

2) The insurance provided herein is primary and no insurance held or owned by the District shall be called upon to contribute to a loss.

3) Coverage provided by this policy shall not be reduced or canceled without thirty (30) days written notice given to the Owner by certified mail.

4) This policy does not exclude explosion, collapse, underground excavation hazard, or removal of lateral support.

5) The certificates must state that the insurance is under an occurrence based, and not a claims-made, or "modified occurrence," policy (policies).

e. Within ten (10) days following issuance of the Notice of Award of the Contract, the following documentation of insurance shall be submitted to District for approval prior to issuance of the Notice to Proceed: Certificates of insurance showing the limits of insurance provided, certified copies of all policies, and signed copies of the specified endorsements for each policy. At the time of making application for an extension of time, the Contractor shall submit evidence that the insurance policies will be in effect during the requested additional period of time.

f. If the Contractor fails to maintain such insurance, the District may take out such insurance to cover any damages of the above mentioned classes for which the District might be held liable on account of the Contractor's failure to pay such damages, and deduct and retain the amount of the premiums from any sums due the Contractor under the Contract.

g. Workers' Compensation Insurance:

1) Within ten (10) calendar days following issuance of the Notice of Award of the Contract, the Contractor shall furnish to the District satisfactory proof that the Contractor and all Subcontractors it intends to employ have procured, for the period covered by the Contract, full Workers' Compensation insurance and employer's liability with limits of at least $1,000,000 with an insurance carrier satisfactory to the District for all persons whom the Contractor may employ in carrying out the work contemplated under this Contract in accordance with the Workers' Compensation Insurance and Safety Act, approved May 26, 1913, and all acts amendatory or supplemental thereto (the "Act"). Such insurance shall be maintained in full force and effect during the period covered by the Contract. In the event the Contractor is self-insured, Contractor shall furnish a Certificate of Permission to Self-Insure, signed by the Department of Industrial Relations Administration of Self-Insurance, Sacramento, California.

2) If the Contractor fails to maintain such insurance, the District may take out worker's compensation insurance to cover any compensation which the District might be liable to pay under the provisions of the Act, by reason of any employee of the Contractor being injured or killed, and deduct and retain the amount of the premiums for such insurance from any sums due the Contractor under the Contract, or otherwise recover that amount from the Contractor or the Surety.

3) If an injury occurs to any employee of the Contractor for which the employee, or the employee's dependents in the event of the employee's death, is entitled to compensation under the provisions of the Act, or for which compensation is claimed from the District, the District may retain from the sums due the Contractor under this Contract an amount sufficient to cover such compensation, as fixed by the Act, until such compensation is paid, or until it is determined that no compensation is due, and if the District is compelled to pay such compensation, it will deduct and retain from such sums the amount so paid, or otherwise recover this sum from the Contractor or its Surety.

4) The policies represented by the certificates shall be endorsed with a Waiver of Subrogation and must contain the provision (and the certificates must so state) that the insurance cannot be canceled until thirty (30) days after written notice of intended cancellation has been given to the District by certified mail.

12. CODES AND REGULATIONS

a. The Contractor shall be knowledgeable regarding and shall comply with applicable portions of California Code of Regulations Title 24, the applicable Building Code, and all other codes, ordinances, regulations or orders of properly constituted authority having jurisdiction over the work of this Project. The Contractor shall examine the Contract Documents for compliance with these codes and regulations and shall promptly notify the Architect of any discrepancies.

b. All work and materials shall be in full accordance with the latest rules and regulations of the Safety Orders of the Division of Industrial Safety and the applicable State laws and/or regulations. Nothing in the Project plans or Specifications is to be construed to permit work not conforming to the applicable Codes. Buildings and/or all other construction covered by this Contract shall meet all the regulations for access by the physically handicapped as administered by the Division of the State Architect and as may be required by federal or state law.

c. If the work under this Contract is for the construction of a school building as defined by the Education Code, then the following provisions shall apply to the Contract:

1) All work shall be executed in accordance with the current requirements of the Education Code and California Code of Regulations: Title 24 and Title 19. No deviations from the DSA approved plans and Specifications will be permitted except upon a Change Order or Addenda, signed by the District and Architect and approved by the Division of the State Architect and the State Fire Marshal, if applicable.

2) The Division of the State Architect shall be notified 48 hours in advance of the first pour of concrete.

13. PERMITS AND TAXES

a. The Contractor shall obtain and pay for all permits, fees and licenses that are required in order to perform the work under this Contract. The District shall pay connection charges and meter costs for new permanent utilities required by these Contract Documents. The Contractor shall notify the District sufficiently in advance to submit requests for service to the appropriate utility companies so as to insure connections or installation of utility services in accordance with the Project schedule.

b. The Contractor shall pay for all taxes on materials and equipment. The District is exempt from Federal Excise Tax. Contractor shall not pay Federal Excise Tax on any item in this Contract.

14. PATENTS AND ROYALTIES

All fees or claims for patents, royalties or licenses on materials, equipment or processes used in the performance of work on this Project shall be included in the amount of the Bid. The Contractor shall indemnify, defend, and hold harmless the District, its Governing Board, the Architect, and their officers and employees, from all claims or liability, including costs and expenses, which may arise from the use on this Project of any patented or copyrighted materials, equipment, or processes.

15. SAFETY AND FIRE PREVENTION

a. The Contractor, Subcontractors and all of their agents and employees shall fully comply with all of the provisions and requirements of CAL/OSHA, Title 8, California Code of Regulations and all other safety codes applicable to the Project, including but not limited to, all federal, state, local and District ordinances and protocols relating to COVID-19. The Contractor shall take thorough precautions at all times for the protection of persons and property, and shall be liable for all damages to persons or property, either on or off the site, which occur as a result of Contractor's prosecution of the work. The Contractor shall obtain permits for, install and maintain in safe condition barricades, walkways, fences, railings, and whatever other safeguards that may be necessary to protect persons and property from damage as a result of the construction under this Contract.

b. The Contractor, in performing services under this Contract, agrees to strictly, and without exception, follow all local, state and federal guidelines and protocols regarding COVID, including all District policies and procedures.

c. Contractor is required to ensure Material Safety Data Sheets ("MSDS") are available in a readily accessible place at the work site for any material requiring a MSDS pursuant to the federal "Hazard Communication" standard or employee "right to know" laws. Contractor is also required to ensure proper labeling on materials brought on the job site such that any person working with the material or within the general area of the material is informed of the hazards of the material and follows proper handling and protection procedures. A copy of the MSDS shall also be promptly submitted directly to the District.

d. Contractor shall not endanger any work by cutting, excavating, or otherwise altering the work and shall not cut or alter the work of any other contractor except with the written consent of the Architect, nor overload any new or existing structures by the placing or storage of materials, equipment, or other items thereon, and, if necessary, shall provide calculations proving the safety in so doing.

e. If it is necessary to work at night, or where daylight is obscured, the Contractor shall provide and maintain lighting of an adequate level to properly prosecute the work, to permit the thorough inspection of same, and to ensure the safety to workers and others.

f. Contractor shall take extraordinary care to prevent fires and keep all flammable materials and oily rags in tightly closed metal containers. Contractor shall exercise particular care

when welding or cutting, and with regard to the disposition of waste materials, the nature and quantity of which might create or increase a fire hazard.

16. HAZARDOUS MATERIALS

Unless otherwise specified, this Contract does not include the removal, handling, or disturbance of any hazardous substances or materials encountered in the new construction or on the Project grounds. If such substances or materials are encountered, work shall cease in that area and the District shall be promptly notified to take appropriate action for removal or otherwise abating the condition in accordance with current regulations applicable to the District.

a. General

1) No asbestos, asbestos-containing products or other hazardous materials shall be used in this construction or in any tools, devices, clothing or equipment used to further this construction.

2) Asbestos and/or asbestos containing products shall be defined as all items containing but not limited to chrysotile, crocidolite, amosite, anthophyllite, tremo-lite or actinolite.

3) Any or all material containing greater than one tenth of one percent (>.1%) asbestos shall be defined as asbestos-containing material.

4) Any disputes involving the question of whether or not material contains asbestos shall be settled by electron microscopy; the cost of any such tests shall be paid by the Contractor.

5) All work or materials found to contain asbestos or work or material installed with asbestos containing equipment will be immediately rejected and this work shall be removed by the Contractor at no additional cost to the District.

b. Decontamination and Removal of hazardous material from prior work

1) Decontamination and removal of work found to contain asbestos or work installed with asbestos containing equipment shall be done only under the supervision of a qualified consultant, knowledgeable in the field of asbestos abatement and accredited by the Environmental Protection Agency ("EPA").

2) The asbestos removal contractor shall be an EPA-accredited contractor qualified in the removal of asbestos subject to the approval of the District.

3) The asbestos consultant shall be chosen and approved by the District which shall have sole discretion and final determination in this matter.

4) The work will not be accepted until asbestos contamination is reduced to levels deemed acceptable by the asbestos consultant.

c. Hold Harmless

1) Interface of work under this Contract with work containing asbestos shall be executed by the Contractor at Contractor's risk and at Contractor's discretion with full knowledge of the currently accepted standards, hazards, risks and liabilities associated with asbestos work and asbestos containing products. By execution of this Contract the Contractor acknowledges the above and agrees to hold harmless, as set forth in the indemnity provisions of this Contract, the Owner, its employees, agents and assigns for all asbestos liability which may be associated with this work and agrees to instruct Contractor's employees and agents with respect to the above-mentioned standards, hazards, risks and liabilities.

2) The Contractor shall, prior to commencement of this work, provide a duly signed and notarized affidavit that Contractor has instructed Contractor's employees and agents with respect to the above mentioned standards, hazards, risks and liabilities and the contents and requirements of this portion of the Contract Documents.

d. Certification

The Contractor agrees that materials containing asbestos or other hazardous materials as defined in Federal and State law shall not be used in construction.

17. TEMPORARY FACILITIES

a. The Contractor shall obtain permits for, install and maintain in safe condition all scaffolds, hoisting equipment, barricades, walkways, or other temporary structures that may be required to accomplish the work. Such structures shall be adequate for the intended use and capable of safely accepting all loads that may be imposed upon them. They shall be installed and maintained in accordance with all applicable codes and regulations.

b. The Contractor shall provide and maintain temporary heat from an approved source whenever in the course of the work it may become necessary for curing, drying or warming spaces as may be required for the proper installation of materials or finishes. The Contractor shall provide and maintain any and all facilities that may be required for dewatering in order that work may proceed on the Project. If it is necessary for dewatering to occur continually, the Contractor shall have on hand whatever spare parts or equipment that may be required to avoid interruption of service or work.

c. The Contractor shall promptly remove all such temporary facilities when they are no longer needed for the work or on completion of the Project. The Contractor shall repair any damage to premises or property which resulted from the construction, use, or removal of temporary facilities and shall restore the premises and property to their original condition.

d. See the Supplemental General Conditions and/or specifications for requirements concerning temporary sanitary facilities and utilities.

18. SIGNS

No signs may be displayed on or about the District's property (except those which may be required by law) without the District's prior written approval of size, content and location. Any signs required by the District will be designated in the Supplemental General Conditions.

19. TIME

a. The Contractor shall commence the work on the date indicated in the Notice to Proceed. Time is of the essence regarding the Contract work, and the Contractor shall prosecute the work diligently and regularly at such a rate of progress as to ensure completion of this Project within, or sooner than, the time specified.

b. The Contractors and Subcontractors shall investigate and become aware of the amount of time required for the delivery of all equipment and materials required to perform the work under this Contract, and no extension of time shall be granted due to failure to order the equipment and materials sufficiently before their incorporation into the work so as to avoid delay to the Project.

c. The Contractor and Subcontractors shall provide and maintain enough manpower, materials and equipment to ensure a rate of construction progress that will complete the Project within or sooner than the time specified and according to the schedule of work. If, in the District's opinion, the Contractor and/or Subcontractors are not prosecuting the work at a sufficient rate of progress to meet the Project schedule, the District may direct the Contractor to provide additional manpower, materials or equipment, or to work additional hours, holidays or weekends without additional cost to the District until the work is progressing in a manner satisfactory to the District. Failure to prosecute the work in a timely manner according to the Project schedule is considered a breach of Contract and shall be cause for termination of the Contract.

20. CONSTRUCTION SCHEDULE

a. Within fifteen (15) calendar days after the award of the Contract, the Contractor shall prepare and submit to the Architect and District an as-planned construction schedule showing in detail how the Contractor plans to prosecute the work within the time set for Final Completion. The schedule shall include the work of all trades necessary for construction of the Project, and shall be sufficiently complete and comprehensive to enable progress to be monitored on a day-by-day basis. The information for each activity shall include at a minimum the activity description, duration, start date and completion date.

b. The Contractor shall take care in the preparation of the schedule to ensure that it represents an accurate and efficient plan for accomplishing the work. If the Project is more than one week behind schedule, it must be promptly revised showing how the Contractor plans to

complete the work, but in no case shall it show a completion date later than that required by the Contract, unless a time extension has been granted. The current schedule shall be kept posted in the Contractor's project office on site.

c. The Contractor shall be responsible for the coordination of all work necessary and pertaining to the construction whether actually a part of this Contract or attendant thereto. The Contractor shall notify the District and various utility companies, as far as possible in advance of their required work, in order that work schedules may be developed for all concerned, which will permit the most effective and timely accomplishment of the entire Project.

21. DELAYS AND TIME EXTENSIONS

a. The Contractor may be granted a time extension if the Contractor encounters an unavoidable delay of the work due to causes completely beyond the Contractor's control and which the Contractor could not have avoided by the exercise of reasonable care, prudence, foresight and diligence. Causes for which a claim for extension of time may be made include: acts of the public enemy, acts of another contractor in the performance of another contract with the District, priority of a governmental agency for materials or equipment, fire, flood, violent wind storm, epidemic, quarantine restriction, strike, freight embargo, or weather of an unusually severe nature. The Contractor will not be granted time extensions for weather conditions which are normal for the location of the Project, according to the U. S. Weather Bureau Records.

b. A request for extension of time and compensation related thereto shall be made in writing to the Architect and District within ten (10) calendar days of the date the delay is encountered, or shall be deemed waived. The request shall include a detailed description of the reasons for the delay and corrective measures by the Contractor. The request shall be accompanied by evidence that the insurance policies required by the Contract shall be in effect during the requested additional period of time. In order for the Architect to consider a request for time extension, the Contractor must prove that the reasons stated for the delay actually caused a delay in portions of the work which will result in completion beyond the date specified in the Contract. The Contractor may also be granted a time extension for a significant change in the scope of work which request for extension of time shall be included in a Contract modification proposal.

c. No damages or compensation or any kind shall be paid to a Contractor because of delays in the progress of work, whether such delays be avoidable or unavoidable, that are not the responsibility of District. District's liability to Contractor for delays for which District is responsible shall be limited to an extension of time unless such delays were unreasonable under the circumstances involved and were not within the contemplation of the parties when the Contract was awarded. The Contractor shall provide to the District the actual, substantiated costs to Contractor for which the Contractor may claim damages from District. Such costs, if any, shall be directly related to the Project, and shall not include costs that would be borne by the Contractor in the regular course of business, including, but not limited to, office overhead and ongoing insurance costs. Delay damages shall not include

Contractor or Subcontractor markup for overhead and profit, but only actual, documented, and direct actual costs. The District shall not be liable for any damages which the Contractor could have avoided by any reasonable means including, but not limited to, the more judicious handling of forces or equipment.

d. The granting of an extension of time because of unavoidable delays shall in no way operate as a waiver on the part of the District of the right to collect liquidated damages for other delays or of any other rights to which the District is entitled.

22. LIQUIDATED DAMAGES

a. The parties understand and agree that the goodwill, educational process, and other business of District will be damaged if the Project is not completed within the time limits required. The parties have further agreed that the exact amount of damages for failure to complete the Work within the time specified is, in some cases, extremely difficult, impractical, or impossible to determine. As to those damages that are difficult, impractical, or impossible to determine, Should the Contractor fail to achieve Final Completion of this Contract within the time fixed for Final Completion, together with extensions granted by the District for unavoidable delays, Contractor shall become liable to the District in the amount specified in the Contract per calendar day for each day the Contract remains incomplete beyond the time for Final Completion, as liquidated damages and not as a penalty. Contractor shall not be charged with liquidated damages when the delay in completion of the work beyond the time for Final Completion is due to acts of the District.

b. Any money due or to become due the Contractor may be retained to cover liquidated and other delay damages. Should such money not be sufficient to cover those damages, the District shall have the right to recover the balance from the Contractor or Contractor's sureties.

c. Should the District authorize suspension of the work for any cause, the time work is suspended will be added to the time for completion. Suspension of the work by the District shall not be a waiver of the right to claim liquidated or other delay damages as set forth in this section.

23. DISTRICT'S RIGHT TO STOP WORK; TERMINATION OR SUSPENSION OF THE CONTRACT

a. District's Right to Stop Work:

In addition to or as an alternative to any and all other remedies available to the District, if the Contractor fails to correct work which is not performed in accordance with the Contract Documents, or if the Contractor persistently fails to perform the work in accordance with the Contract Documents, the District may by written order direct the Contractor to stop the work, or any portion thereof, until the cause for such order has been eliminated to the satisfaction of the District. However, the right of the District to stop the work shall not give rise to a duty on the part of the District to exercise this right for the benefit of the Contractor or any other person or entity, and the failure of the District to do so shall not be raised as a defense to the Contractor's failure to perform the work in accordance with the Contract Documents.

b. Termination for Cause:

1) If the Contractor refuses or fails to furnish sufficient materials, work force, equipment, and appurtenances to properly prosecute the work in a timely manner, or if Contractor refuses or fails to comply with any provisions of the Contract Documents, or if Contractor should file a bankruptcy petition or make a general assignment for the benefit of Contractor's creditors or if a receiver should be appointed on account of Contractor's insolvency, then the District may give the Contractor and Contractor's Surety written notice of intention to terminate the Contract. Unless within seven (7) calendar days after the serving of such notice upon the Contractor and Contractor's Surety such violation shall cease and arrangements for correction of such conditions shall be made satisfactory to the District, the Contract shall cease and terminate. In the event of such termination, the District shall immediately serve written notice thereof upon the Contractor and Contractor's Surety.

2) In the event of termination for cause, in addition to all remedies available to the District, the Contractor's Surety shall have the right to take over and perform the Contract; provided, however, that if the Surety does not commence performance within five (5) calendar days from the date of the issuance of such notice of termination, the District may take over the work and prosecute the same to completion by letting another Contract, or by any other method that the District deems advisable. The Contractor and Contractor's Surety shall be liable for any excess cost incurred by the District thereby, and in any such event the District may take possession of such materials, equipment, and other property belonging to the Contractor as may be on the site and use same in completing the work.

c. Termination or Suspension for Convenience:

The District reserves the right, in its sole discretion, to terminate or suspend all or part of the Contract for convenience following three (3) days written notice to the Contractor. In the event of termination or suspension for convenience, Contractor shall have no claims against the District, except:

1) The actual cost of labor, materials and services provided pursuant to the Contract, and which have not yet been paid for, as documented by timesheets, invoices, receipts and the like; and

2) Five percent (5%) of the total cost of the work performed as of the date of notice of termination or suspension or five percent (5%) of the value of the work yet to be completed, whichever is less. The parties agree that this amount shall constitute full and fair compensation for all Contractors lost profits and other damages resulting from the termination or suspension for convenience.

24. ASSIGNMENT OF CONTRACT

The Contractor may not assign or delegate all or any portion of this Contract without the written consent of the District and no such consent shall be given which would relieve the Contractor or its Surety of their responsibilities under the Contract. The Contractor may assign, without liability to the District, monies due the Contractor under the Contract to banks, trust companies or other financial institutions provided written notice thereof is promptly delivered to the District. Assignment of monies earned by the Contractor shall be subject to the same retention as other payments made to Contractor, and shall also be subject to setoffs and back charges as provided by this Contract.

25. COORDINATION WITH OTHER CONTRACTS

a. The District reserves the right to do other work or award other contracts in connection with this Project. By entering into this Contract, Contractor acknowledges that there may be other contractors on or adjacent to the Project site whose work must be coordinated with that of its own. Contractor expressly warrants and agrees that it will cooperate with other contractors and will do nothing to delay, hinder, or interfere with the work of other contractors, or that of the District, its Architect and Construction Manager. Contractor also expressly agrees that in the event its work is hindered, delayed, interfered with, or otherwise affected by a separate contractor, its sole remedy will be a direct action against the separate contractor. To the extent allowed by law, the Contractor expressly waives any remedy against the District, its Architect and Construction Manager on account of delay, hindrance, interference or other such events caused by a separate contractor.

b. If any part of Contractor's work depends upon the work of a separate contractor, Contractor shall inspect such other work and promptly report in writing to the District and Architect any defects in such other work that render it unsuitable to receive the work of Contractor. Failure of the Contractor to so inspect and report shall constitute an acceptance of the other

contractor's work, except as to defects which the Contractor could not have detected through the reasonable inspection of the other contractor's work prior to the execution of Contractor's work.

c. If Contractor is aware of a current or potential conflict between Contractor's work and the work of another contractor on the site, and is unable to informally resolve the conflict directly with the other contractor, Contractor shall promptly provide written notice to the District, with a copy to the Architect and the other contractor, specifying the nature of the conflict, the date upon which the conflict arose, and the steps taken to attempt to resolve the conflict. The District may issue written instructions to address the conflict.

d. If, through Contractor's negligence, any other contractor or subcontractor shall suffer loss or damage to the work, Contractor shall make a reasonable effort to settle with such other contractor and subcontractor by agreement or arbitration. If such other contractor or subcontractor shall assert any claim against the District or Architect, on account of any damage alleged to have been so sustained, the District or Architect shall notify the Contractor, who shall defend such proceedings at Contractor's own expense and save harmless and indemnify the District and the Architect from any such claim.

26. SUBMITTALS: SHOP DRAWINGS, CUTS AND SAMPLES

a. Five (5) copies of shop drawings, brochures and cuts and samples in quantities specified by the Architect shall be submitted to the Architect for all items for which they are required by the plans and Specifications. Prior to transmittal, the Contractor shall examine all submittals for accuracy and completeness in order to verify their suitability for the work and compliance with the Contract Documents and shall sign and date each submittal. Submittals shall be made sufficiently before the items are required for the work so as to cause no delay and shall be in accordance with the Project construction schedule.

b. In addition to information furnished as common practice, submittals shall contain the Project name and location, Contractor's name and address, Subcontractor's or supplier's name and address, date of submittal and any revisions, and reference to appropriate specification section, and/or drawing and detail numbers. The Contractor and/or the Subcontractors shall verify in the field all dimensions and relationships to adjacent work necessary to ensure the proper fit of the items submitted. If necessary, the Contractor shall make any corrections required and resubmit with all due haste in the same number as initially required.

c. Review of submittals, shop drawings, cuts or samples by the District or Architect shall not relieve the Contractor from complying with the requirements of the Contract Documents.

d. Any materials or equipment installed without approval shall be at the Contractor's own risk, and Contractor may be required to remove any such materials or equipment and install the specified items at Contractor's own cost, including repairs to adjacent work.

27. PAYMENTS

a. Cost Breakdown:

Prior to submitting Contractor's first request for payment, the Contractor shall prepare and submit to the Architect and District a cost breakdown (schedule of values) showing the major work items for each trade or operation required in construction of the Project. The work items shall be sufficiently detailed to enable the Architect to accurately evaluate the completion percentages requested by the Contractor. The cost for each work item shall include overhead and profit. The total of all work item costs shall equal the amount of the Contract.

b. Scope of Payment:

Payment to the Contractor at the unit price or other price fixed in the Contract for performing the work required under any item or at the lump sum price fixed in the Contract for performing all the work required under the Contract shall be full compensation for furnishing all labor, materials, equipment and tools necessary to the work, and for performing and completing, in accordance with the Specifications, all work required under the item or under the Contract, and for all expense incurred by the Contractor for any purpose in connection with the performance and completion of the work.

c. Progress Payments:

The Contractor will, on or about the last day of each month, make an estimate of the value of the work completed by Contractor in the performance of the Contract. These estimates shall be subject to the review and approval of the Architect. The first such estimate will be of the value of the work completed after the Contractor commenced the performance of the Contract, and every subsequent estimate, except the final estimate, will be of the value of the work completed since the immediately preceding estimate. Such estimates will be based on labor, materials and equipment incorporated into the work, and items of materials and equipment delivered to the Project. The Contractor shall be responsible for the security and protection of such materials and equipment delivered to the Project and not incorporated in the work. Within thirty (30) calendar days after the approval of each estimate for progress payment, the District will pay to the Contractor an amount equal to ninety five (95) percent of the approved estimate, unless a different retention percentage is stated in the Notice Inviting Bids, in which case that percentage applies. Payments may at any time be withheld if in the judgment of the District the work is not proceeding in accordance with the Contract Documents, the Contractor is not complying with the requirements of the Contract, stop notices have been timely filed, the estimate contains an error, or the District has incurred costs or requests reasonable financial assurances regarding defective work by the Contractor.

d. Final Payment:

Within thirty (30) days after all required work is fully completed in accordance with the Contract Documents, the Contractor shall submit a final invoice for the total value of the work completed in accordance with the Contract, which shall be subject to review and approval by the District. As required by law, District shall pay Contractor the unpaid balance of the Contract price of the work, or the whole Contract price of the work if no progress payment has been made, determined in accordance with the terms of the Contract, less such sums as may be lawfully retained under any provision of the Contract, including, but not limited to, amounts retained as liquidated damages, for stop notices, for third-party claims for which the Contractor is required to indemnify the District, for defective work and costs incurred by the District in connection therewith, or for other such claims and damages attributable to the Contractor ("Final Payment"). Prior progress estimates and payments are subject to correction in the Final Payment. Tender of the Final Payment shall constitute denial by the District of any unresolved claim. Contractor's acceptance of the Final Payment shall operate as a full and final release to the District and its agents from any and all unasserted claims Contractor has, or may have, related to this Contract.

e. Payments Do Not Imply Acceptance of Work:

The granting of any progress payment or payments by the District or the receipt thereof by the Contractor shall not constitute acceptance of the work or of any portion thereof, and shall in no way lessen the liability of the Contractor to replace unsatisfactory work or material, whether or not the unsatisfactory character of such work or material was apparent or detected at the time such payment was made.

f. Retention of Sums Charged Against Contractor:

It is mutually understood and agreed that when under any provision of this Contract the District shall charge any sums of money against the Contractor, the amount of such charge shall be deducted and retained by the District from the amount of the next succeeding progress estimate, or from any other monies due or that may become due the Contractor on account of the Contract. If on completion or termination of the Contract such monies due the Contractor are found insufficient to cover the District's charges against the Contractor, the District shall have the right to recover the balance from the Contractor or the Contractor's Sureties.

g. Release:

The Contractor and each assignee under an assignment in effect at the time of Final Payment shall, if required by the District, execute and deliver at the time of Final Payment and as a condition precedent to Final Payment, a release in form and substance satisfactory to and containing such exemptions as may be found appropriate by the District, discharging the District, its officers, agents and employees of and from liabilities, obligations and claims arising under this Contract.

h. Payment to Subcontractors and Suppliers:

The Contractor shall pay each Subcontractor and supplier promptly on receipt of each progress payment from the District for the materials, labor and equipment delivered to the site or incorporated in the work by each Subcontractor during the period for which the progress payment is made, less any retention as provided above.

i. Stop Notice Costs:

The District reserves the right to charge the Contractor or Surety, or to withhold from release of retention, all costs incurred by the District, including attorney's fees, for processing and defending stop notice claims.

28. MODIFICATIONS OF CONTRACT

a. Changes In The Work:

1) The District, before the date of acceptance of the work, may, without notice to the Sureties, order changes in the work ("Modifications"), may order extra materials and extra work in connection with the performance of the Contract, and the Contractor shall promptly comply with such orders. All Modifications must be approved by DSA and the State Fire Marshall, if applicable, as required by law.

2) If changes ordered in design, workmanship or materials are of such a nature as to increase or decrease the cost of any part of the work, the price fixed in the Contract shall be increased or decreased by such amount as represents the reasonable and proper allowance for the increase or decrease in the cost of the work in accordance with the provisions of this Article, and any other applicable terms of the Contract, including, but not limited to, the Contractor's schedule of values and the price for allowances, if any. Except as provided by law, the total cost of all Modifications shall not exceed ten (10) percent of the original Contract price.

3) In the case of a disputed work item, the District may direct the Contractor to perform the disputed work at no additional cost to the District on the grounds that the work is adequately indicated in the Contract Documents, and therefore already included in the Contract price. If the Contractor maintains that the disputed work represents a modification to the Contract, Contractor may submit a claim in accordance with Article 50, Resolution of Construction Claims. Notwithstanding any dispute regarding the requirements of the Contract Documents, Contractor shall promptly and fully comply with the District's directive. Contractor's failure to do so shall be deemed a material breach of this Contract, and in addition to all other remedies, District may, at its sole discretion, hire another contractor and/or use its own forces to complete the disputed work at Contractor's sole expense, and may deduct the cost of such work from the Contract price.

b. Cost Breakdown:

When the Modification is proposed, the Contractor shall furnish a complete breakdown of actual costs of both credits and extras, itemizing materials, labor, taxes, overhead and profit. Subcontract work shall be so indicated. All costs must be fully documented. The following limitations shall apply:

1) Limitations Where Contract Price Changes are Involved:

(a) Overhead and Profit for the Contractor. The Contractor's and any Subcontactor's overhead and profit on the cost of subcontracts shall be a sum not exceeding ten percent (10%) of such costs. The Contractor's and any Subcontractor's overhead and profit on the costs of work performed by the Contractor or Subcontractor shall be a sum not exceeding fifteen percent (15%) of such costs. Overhead and profit shall not be applied to the cost of taxes and insurance by Contractor or Subcontractors or to credits. No processing or similar fees may be charged by the Contractor in connection with the Modification. "Overhead and profit" shall include all plant, equipment rental and repair, project management, field coordination, job site project supervision and indirect labor and materials.

(b) Bond Premiums. The actual rate of bond premiums as paid on the total cost (including taxes) will be allowed, but with no markup for profit and overhead.

(c) Taxes. State and city sales taxes should be indicated. Federal excise tax shall not be included. (District will issue an exemption on request.)

2) Change Order Certification:

All change orders and requests for proposed change orders shall be deemed to include the following certification by the Contractor:

"The undersigned Contractor approves the foregoing as to the changes in work, if any, and as to the Contract price specified for each item and as to the extension of time allowed, if any, for completion of the Project as stated herein, and agrees to furnish all labor, materials, and service and to perform all work necessary to complete any additional work specified for the consideration stated herein. Submission of claims which have no basis in fact or which Contractor knows are false are made at the sole risk of the Contractor and may be a violation of the False Claims Act, as set forth in Government Code §§12650 *et seq.* It is understood that the changes to the Contract Documents set forth herein shall only be effective upon approval by the Governing Board of the District.

"It is expressly understood that the value of the extra work or changes expressly includes any and all of the Contractor's costs and expenses, both direct and indirect,

resulting from additional time required on the Project or resulting from delay to the Project. Any costs, expenses, damages, or time extensions not included herein are deemed waived."

c. Unit Prices, Schedule of Values, or Allowances:

Where Unit Prices, a Schedule of Values, and/or Allowances are required by the Contract Documents, that pricing shall govern in computing any additions to or deductions from the Contract price on account of any added or omitted work. Unit Prices listed in the original bid include all costs and no addition of any description will be allowed.

d. Time and Materials:

If it is impractical, because of the nature of the work, or for any other reason, to fix an increase in price in advance, the Change Order may fix a maximum price which shall not under any circumstances be exceeded, and subject to such limitation, such alteration, modification or extra shall be paid for at the actual necessary cost as determined by the sum of the following items (1) to (5) inclusive:

1) Labor, including premium on compensation insurance and charge for Social Security taxes, and other taxes pertaining to labor.

2) Material, including sales taxes and other taxes pertaining to materials.

3) Plant and equipment rental, to be agreed upon in writing before the work is begun. No charge for the cost of repairs to plant or equipment will be allowed.

4) Overhead and profit computed at fifteen percent (15%) of the total of Items (1) to (3) inclusive.

5) The proportionate cost of premiums on bonds computed at one and one-half percent (1-1/2%) of the total of items (1) to (4) inclusive.

If the Time and Materials work is done by a Subcontractor, the amount shall be determined as set forth above under items (1) to (5) inclusive. The Contractor's overhead and profit on the costs of subcontracts (exclusive of taxes and insurance) shall not exceed ten percent (10%) of such costs.

The District reserves the right to furnish such materials as it may deem expedient, and no allowance will be made for profit thereon. The above-described methods of determining the payment for work and materials shall not apply to the performance of any work or the furnishing of any material which, in the judgment of the District, may properly be classified under items for which prices are established in the Contract.

e. Oral Modifications:

No oral statements of any person shall in any manner or degree modify or otherwise affect the terms of the Contract.

29. INDEMNITY

Contractor shall defend with counsel acceptable to the District, indemnify and hold harmless to the full extent permitted by law, the District and its Board of Trustees, officers, agents, Architect, construction manager, employees and volunteers from and against any and all liability, loss, damage, claims, expenses, fines, judgments and costs (including, without limitation, attorney's fees and costs and fees of litigation) (collectively, "Liability") of every nature arising out of or in connection with Contractor's performance of the Project or its failure to comply with any of its obligations contained in these Contract Documents, except such Liability caused by the active negligence, sole negligence or willful misconduct of the District. Such indemnification shall extend to all claims, demands, or liabilities occurring after completion of the project as well as during the progress of the work. Pursuant to Public Contract Code §9201, District shall timely notify Contractor of receipt of any third-party claim relating to this Project.

30. WARRANTY OF TITLE

Contractor warrants that title to all work, materials or equipment included in a request for payment shall pass and transfer to the District whether or not they are installed or incorporated in the Project, free from any claims, liens or encumbrances, when such payment is made to the Contractor. Contractor further warrants that no such work, materials or equipment have been purchased for work under the Contract subject to an agreement by which an interest therein or an encumbrance thereon is retained by the seller or supplier.

31. USE OF COMPLETED PARTS OF THE WORK BEFORE ACCEPTANCE

Whenever the work or any part thereof is in a condition suitable for use, and the best interest of the District requires such use, as determined by the District, the District may take possession of, connect to, open for public use, or use the work or a part thereof. When so used, maintenance and repairs due to ordinary wear and tear or vandalism will be made at District's expense. The use by the District of the work or part thereof as contemplated in this section shall in no case be construed as constituting acceptance of the work or any part thereof, including, but not limited to, the right to assess liquidated damages. Such use shall neither relieve the Contractor of any of Contractor's responsibilities under the Contract nor act as a waiver by the District of any of the conditions thereof. Contractor shall continue to maintain all insurance, including Builder's Risk insurance, on the entire Project, and diligently pursue full completion of the work.

32. GUARANTEE AND WARRANTY

a. By signing this Contract, Contractor agrees to the following guarantee and warranty:

Guarantee & Warranty

Contractor hereby guarantees and warrants its work on the Project for a period of two (2) years from the date of the filing of the Notice of Completion as follows.

Contractor shall promptly repair or replace to the satisfaction of the District any or all work that appears defective in workmanship, equipment and/or materials for whatever reason, ordinary wear and tear and unusual abuse or neglect excepted, together with any other work which may be damaged or displaced in so doing.

Contractor agrees to promptly correct and remedy any failure by the Contractor to conform its work, activities and services to the requirements of the Contract Documents.

In the event of the Contractor's failure to comply with the above-mentioned obligations within the ten (10) calendar days of notice, or sooner if required by an emergency, Contractor hereby authorizes the District to have the defects or deficiencies repaired, remedied, corrected and made good at Contractor's expense, and Contractor shall pay the costs and charges therefore upon demand. The Surety agrees to be responsible for these costs and charges as well.

33. PROTECTION OF WORK AND PROPERTY

a. The Contractor shall be responsible for each operation and all work on the Project, both permanent and temporary. The Contractor shall protect the work and materials from damage due to negligence, the action of the elements, the carelessness of third parties, vandalism, or any other cause whatsoever, until the final completion and acceptance of the Project. Should improper work by the Contractor be covered by another contractor and damage or defects result, the whole work affected shall be made good by the Contractor to the satisfaction of the Architect and District without expense to the District. The Contractor shall take reasonable care to avoid damage to existing facilities or utilities, whether on the Project or adjacent to it, and Contractor shall be liable for any damage thereto or interruption of service due to Contractor's operations. If the Contractor encounters any facilities or utilities not shown on the drawings or not reasonably inferable therefrom, Contractor shall promptly notify the Architect about them, and shall do no further work which may cause damage to same. If it is determined that some action needs to be taken regarding facilities not shown,

the Contractor will be given directives on what action to take, and any additional cost to the Contractor incurred thereby will be handled by Change Order.

b. The property limits of the area of the Project are indicated on the drawings. Except for work specifically shown or noted, Contractor shall confine Contractor's operations within the indicated property limits. The Contractor shall provide, install, and maintain all shoring, bracing and underpinning necessary to support adjacent property, streets, buildings and structures, that may be affected by building operations for this work; shall serve or cause to be served all legal notices to adjoining property owners that may be necessary for their protection; and shall protect from damage all adjacent buildings, fences, landscaping, and repair or replace any such property damaged in the course of work under the Contract.

34. USE OF ROADWAYS AND WALKWAYS

The Contractor shall not unnecessarily interfere with use of any roadway, walkway or other facility for vehicular or pedestrian traffic by any party entitled to use it. Wherever such interference becomes necessary for the proper and convenient performance of the work and no satisfactory detour route exists, the Contractor shall, before beginning the interference, provide a satisfactory detour, temporary bridge, or other proper facility for traffic to pass around or over the interference and shall maintain it in satisfactory condition as long as the interference continues, all without extra payment unless otherwise expressly stipulated in the Contract Documents.

35. MATERIALS

a. Unless explicitly stated otherwise, all specified equipment and material comprising the work of this Contract, as being provided or furnished or installed, shall imply the inclusion of all components, hardware and accessories, required for complete installation and satisfactory operation as intended by the manufacturer. Wherever the method of installation of any material is not explicitly specified, the installation shall be as recommended by manufacturer.

b. Wherever in the Contract Documents it is provided that the Contractor shall furnish materials or equipment for which no detailed specifications are set forth, such materials or equipment shall be new and of the best grade for the purpose for which they will be used when incorporated in the work. Materials specified by reference to a number or symbol of a specific standard, such as A.S.M., Federal Specification, State Standard, Trade Association, or similar standards, shall comply with requirements in the latest revision thereof and any amendment or supplement in effect on the date of the notice inviting bids.

c. None of the materials to be provided furnished or installed on this project shall contain asbestos or any other "hazardous substance" as that term is defined by federal or state law.

36. SUBSTITUTIONS

a. Wherever in the drawings or Specifications a material or product is called for by trade or brand names or manufacturer and model number, alternative items of equal quality and purpose may be proposed for use by the Contractor. The burden of proof of equality is on the Contractor, and Contractor shall furnish all information and supplies necessary for the Architect to make a thorough evaluation of the proposed substitution. The Architect's decision about the equality of the proposed substitution is final, and if the proposed substitution is not approved, the Contractor shall install the item called for. Proposed substitutions and any changes in adjacent work caused by them shall be made by the Contractor at no additional cost to the District.

b. Proposed substitutions shall be submitted sufficiently before actual need to allow time for thorough evaluation. Substitutions shall not be proposed for the reason that submittals were not made early enough to avoid delay. Architect’s review of substitutions shall not relieve the Contractor from complying with the requirements of the drawings and Specifications.

c. In the event Contractor makes substitutions in materials, equipment, or designs, with or without the District's approval, other than those authorized herein, the Contractor shall then assume full responsibility for the effects of such substitutions on the entire Project, including the design, and shall reimburse the District for any charges resulting from such substitutions, including any charges for modifications in the work of other trades, and including any charges for additional design and review, plus reasonable and customary mark-ups.

37. TESTING

a. Materials, equipment, or other work requiring tests may be specified in the Contract Documents, and they shall be adequately identified and delivered to the site in ample time before intended use to allow for testing. If such materials, equipment or other work should be covered without required testing and approval, they shall be uncovered at the Contractor's expense, including any repairs or replacement resulting therefrom. The Contractor shall notify the District and Architect when and where such materials, equipment or other work are ready for testing, and Contractor shall bear the cost of making them available for testing. The Contractor shall notify the District and Architect sufficiently before the need for testing so as to cause no delay in the work and, in any case, at least forty-eight (48) hours prior to the need for testing.

b. The cost of initial tests called for will be paid by the District and will be performed by independent testing consultants retained by the District, but if so specified by the District, the amount paid or a portion thereof may be collected from the Contractor. All other tests and inspections specified or otherwise required to substantiate compliance with specified requirements for quality of material or performance of operation shall be paid for by the District, but if so specified by the District, the amount paid may be collected from the Contractor. If retesting or additional testing is necessary because of substandard initial test results, the costs thereof shall be paid by the District, but if so specified by the District, the

amount paid may be collected from the Contractor, including any repairs or replacement resulting therefrom.

38. INSPECTION

a. All materials, equipment and workmanship used in the work of the Project shall be subject to inspection or testing at all times and locations during construction and/or manufacture. The District's and Architect's authorized representatives and representatives of other agencies having authority over the work shall have access to the work for the above purposes at all reasonable times and locations. Any material or work found to be unsatisfactory or not according to the Contract Documents shall be replaced with the correct material or work and the defective items promptly removed, all at the Contractor's expense, when directed to do so by any of the above-named persons having authority over the work. The cost of review time and analysis by the Architect or other District consultants necessitated by incomplete or defective work by the Contractor shall be charged to the Contractor.

b. Inspection and testing by the District or its representatives shall not relieve the Contractor from complying with the requirements of the Contract Documents. The Contractor is responsible for its own quality control.

c. Whenever required by the District or Architect, the Contractor shall furnish all tools, labor and materials necessary to make an examination of work in place by uncovering the same. Should such work be found unsatisfactory, the cost of examination and reconstruction shall be paid by the Contractor. Should such work be found satisfactory, the cost of examination and reconstruction of the work shall be paid by Change Order unless the Contractor improperly covered the work before it could be inspected or tested. If the Contractor considers it necessary or desirable to work on Saturday, Sunday or a holiday, Contractor shall seek written approval from the District at least forty-eight (48) hours before the commencement of such work.

39. CLEANUP

a. The Contractor shall maintain the premises and area of the work in a neat and clean condition. No burning of rubbish on site shall be allowed. The Contractor shall control dust on the site by sprinkling at whatever intervals are necessary to keep it laid down and shall take measures to prevent dust and debris from being accidentally transported outside the area of the work.

b. Final cleaning, such as sweeping, dusting, vacuuming, dry and wet mopping, polishing, sealing, waxing and other finish operations normally required on newly installed work shall be taken to indicate the finished conditions of the various new and existing surfaces at the time of acceptance. Prior to the time of acceptance, all marks, stains, fingerprints, dust, dirt, splattered paint and blemishes resulting from the various operations shall be removed throughout the Project. Stair treads and risers shall be wet-mopped. Glass shall be left clean and polished both inside and outside. Plumbing fixtures and light fixtures shall be washed clean. Hardware and other unpainted metals shall be cleaned and all building papers and

other temporary protections shall be removed throughout the building, or portion of the building where Contractor was involved, all to the satisfaction of the Architect and District. The exterior of the buildings, playfields, exterior improvements, and planting spaces and other work areas shall be similarly clean and in good order.

40. CONSTRUCTION WASTE MANAGEMENT REQUIREMENTS

a. Scope

1) This Article includes requirements for the diversion by the Contractor of construction and demolition debris from landfills. The Contractor shall develop and implement a Waste Management Plan as specified herein. The Contractor shall take a pro-active, responsible role in the management of construction and demolition waste and require all subcontractors, vendors, and suppliers to participate in the effort.

2) The District has established that this Project shall generate the least amount of waste practicable and that processes shall be utilized that ensure the generation of as little waste as possible due to over-packaging, error, poor planning, breakage, mishandling, contamination or other factors.

3) As much of the waste materials as economically feasible shall be reused, salvaged or recycled. Waste disposal in landfills shall be minimized.

4) The Contractor is encouraged to use waste hauling companies that separate recyclable materials. The Contractor shall work with its waste haulers in providing other recycling methods as appropriate.

5) The Contractor is responsible for implementation of any special programs involving rebates or similar incentives related to the recycling of waste. Revenues or other savings obtained for salvage or recycling accrue to the Contractor.

b. References

1) “Builders' Guide to Reuse and Recycling, A Directory for Construction and Demolition Materials."

2) “Construction Site Recycling, a Guide for Building Contractors ". For a copy of the guide call 1-888-442-2666 or go to www.recycleworks.org.

3) “Where to Recycle Construction and Demolition Debris." For a copy of the guide call 1-888-442-2666 or go to www.recycleworks.org.

c. Definitions

1) General: Construction and demolition waste includes products of demolition or

removal, excess or unusable construction materials, packaging materials for construction products, and other materials generated during the construction process but not incorporated into the work.

2) Divert" means to use material for any lawful purpose other than disposal in a landfill or transfer facility for disposal

3) "Recycling Service" means an off-site service that provides processing of material and diversion from a landfill.

4) "Hauler" means the entity that transports construction and demolition debris to either a landfill or a recycling service.

d. Compliance with regulatory requirements:

1) The Contractor shall perform all handling, storage, transportation and disposal of construction debris in compliance with all applicable Federal, State, regional, and local statutes, laws, regulations, rules, ordinance, codes and standards.

2) Nothing stated on the drawings, in this Article 40 or in any other provision of the Contract Documents shall be construed as allowing work that is not in strict compliance with all applicable Federal, State, regional, and local statutes, laws, regulations, rules, ordinances, codes and standards.

e. Performance Requirement

1) The Contractor shall divert a minimum of 50 percent (50%) of the total Project construction and demolition waste from landfills.

f. Quality Control

1) General:
   i) The Contractor shall not permit materials designated for diversion to become contaminated or to contaminate the site or surrounding areas.

2) Training and Coordination:

   i) The Contractor shall designate an on-site party [or parties] who will be responsible for instructing workers and subcontractors, and overseeing and documenting the results of the Waste Management Plan for the Project.

   ii) The Contractor shall furnish copies of the Waste Management Plan to all on-site supervisors, each subcontractor, and the District's representative.

   iii) The Contractor shall include construction waste management

as an item on the agenda of all progress meetings.

3) The Waste Management Plan:

i) The Contractor shall prepare a Waste Management Plan for diverting the specified percentage of construction debris from landfills, including written and graphic information indicating how the waste will be diverted.

ii) Include in the plan both on-site recycling of construction debris and off-site diversion from landfills.

iii) Identify the means and methods for collecting and separating each type of debris deemed reusable or recyclable.

iv) List the off-site recycling service and hauler of each designated debris item who has agreed to accept and divert that item from the landfill in the proposed quantities anticipated. List the service and hauler company name, address, telephone number, and persons contacted.

v) List the name of individuals on the Contractor's staff responsible for waste prevention and management.

vi) List the actions that will be taken to reduce solid waste generation, including coordination with subcontractors to ensure awareness and participation.

vii) Describe the specific approaches to be used in recycling/reuse of the various materials generated, including the areas on site and equipment to be used for processing, sorting, and temporary storage of wastes.

viii) Characterize the waste to be generated, including estimated types and quantities. Name the landfills and/or incinerator to be used.

ix) List the specific waste materials that will be salvaged for resale, salvaged and reused on the Project, salvaged and stored for reuse on a future project, or recycled. Recycling facilities that will be used shall be identified by name, location, and phone number.

x) Identify the materials that cannot be recycled or reused with an explanation or justification, to be approved by the Architect.

The Contractor shall submit the Plan to the Architect within 10 calendar days after receipt of the Notice to Proceed, or prior to any waste removal, whichever occurs first. The Contractor shall promptly revise and resubmit the Plan as required by the Architect. Review of the Contractor's Waste Management Plan will not relieve the Contractor of responsibility for compliance with applicable environmental regulations or meeting Project diversion requirements.

g. Plan Implementation

1) The Contractor shall implement the approved Waste Management Plan.

2) The Contractor shall maintain a log of each load and of each category of waste that is diverted from the landfill. The Contractor shall separately log the debris sent to a Class III landfill and materials sent to recycling facilities.

3) The Contractor shall include in the log the type of load, load weight, name of the hauling service, recycling service or landfill, and the date accepted by the recycling service or by the landfill.

4) The Contractor shall retain and make available all weight tickets and copies of receipts and invoices relating to the implementation of the Plan.

5) The District reserves the right to audit the log at any time.

h. Material Handling

1) Designate a specific area or areas on site to facilitate the separation of materials for potential reuse, salvage, recycling, and return. Clearly mark bins for each category of waste.

2) Keep waste bins and pile areas neat and clean. Do not contaminate non-recyclable waste with materials designated for reuse or recycling.

i. Contractor's Responsibilities

1) Provide on-site instruction of the appropriate separation, handling, recycling, salvage, reuse, and return methods to be used by all parties at the appropriate stages of the Project.

2) Separate, store, protect, and handle at the site identified recyclable and salvageable waste products in a manner that maximizes recyclability and salvagability of identified materials. Provide the necessary containers, bins and storage areas to facilitate effective waste management. Provide barriers and enclosures around recyclable material storage areas which are non hazardous and recyclable or reusable and which shall be located away from construction traffic. Provide adequate space for pick-up and delivery. Use cleaning materials that are non hazardous and biodegradable.

41. INSTRUCTIONS AND MANUALS

Three copies of the maintenance instructions, application/installation instructions and service manuals called for in the Specifications shall be provided by the Contractor. These shall be complete as to drawings, details, parts lists, performance data and other information that may be required for

the District to easily maintain and service the materials and equipment installed under this Contract. All manufacturer's application/installation instructions shall be given to the Architect at least ten (10) days prior to first material application or installation of the item. The maintenance instructions and manuals, along with any specified guarantees, shall be delivered to the Architect for review prior to submitting to District, and the Contractor or appropriate Subcontractors shall instruct District's personnel in the operation and maintenance of the equipment prior to final acceptance of the Project.

42. AS-BUILT DRAWINGS

The Contractor and all Subcontractors shall maintain on the work site a separate complete set of contract drawings which will be used solely for the purpose of recording changes made in any portion of the work during the course of construction, regardless of the reason for the change. As changes occur, there will be included or marked on this record set on a daily basis if necessary to keep them up to date at all times. Actual locations to scale shall be identified on the drawings for all runs of mechanical and electrical work, including all site utilities installed underground, in walls, floors, and furred spaces, or otherwise concealed. Deviations from the drawings shall be shown in detail. All main runs, whether piping, conduit, duct work, drain lines, etc., shall be located in addition by dimension and elevation. Progress payments may be delayed or withheld until such time as the record set is brought up to date to the satisfaction of the Architect. The Contractor shall verify that all changes in the work are included in the "AS-BUILT" drawings and deliver the complete set thereof to the Architect for review and approval within thirty (30) calendar days after District's notice of completion. District's acceptance and approval of the "AS-BUILT" drawings are a necessary condition precedent to the release of the final retention.

43. SUBSTITUTION OF SECURITIES

a. Pursuant to Public Contract Code §22300, Contractor may request in writing that it be allowed at its own expense to substitute securities for moneys withheld by District to ensure performance under this Contract. Only securities listed in Government Code §16430 and bank or savings and loan certificates of deposit, interest-bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed to by Contractor and District shall qualify under this Article. Securities equivalent to the amount withheld shall be deposited with the District or with a state or federally chartered bank in California as the escrow agent. Upon satisfactory completion of the Contract and on written authorization by the District, the securities shall be returned to Contractor. Contractor shall be the beneficial owner of the securities and shall receive any interest thereon. The Contractor may alternatively request District to make payment of retentions earned directly to the escrow agent at the expense of the Contractor.

b. At the expense of the Contractor, the Contractor may direct the investment of the payments into securities and the Contractor shall receive the interest earned on the investments upon the same terms provided for above for securities deposited by Contractor. Upon satisfactory completion of the Contract, Contractor shall receive from the escrow agent all securities, interest, and payments received by the escrow agent from the District. The Contractor shall pay to each Subcontractor, not later than 20 days of receipt of payment, the respective

amount of interest earned, net of costs attributed to retention withheld from each Subcontractor, on the amount of retention.

c. Any escrow agreement entered into pursuant to this Article shall comply with Public Contract Code §22300 and shall be subject to approval by District's counsel.

44. NO DISCRIMINATION

It is the policy of the District that, in connection with all work performed under this public works contract, there shall be no discrimination against any prospective or active employee or any other person engaged in the work because of actual or perceived race, color, ancestry, national origin, ethnic group identification, religion, sex, gender, sexual orientation, age, physical or mental disability, or marital status. The Contractor agrees to comply with applicable Federal and California laws including, but not limited to, the California Fair Employment Practice Act, beginning with Government Code §12900, Government Code §11135, and Labor Code §§ 1735, 1777.5, 1777.6 and 3077.5. In addition, the Contractor agrees to require like compliance by all Subcontractors and suppliers.

45. LABOR STANDARDS

a. Work Hours:

In accordance with Labor Code §1810, eight (8) hours of labor shall constitute a legal day's work under this Contract. Contractor and any Subcontractor shall pay workers overtime pay as required by Labor Code §1815. The Contractor shall pay each worker, laborer, mechanic or persons performing work under this Contract at a rate not less than the prevailing wage for each craft or classification covering the work actually performed.

b. Penalty:

Contractor shall forfeit to District as a penalty the sum of twenty-five dollars ($25.00) for each worker employed in the execution of this Contract by Contractor or any Subcontractor for each calendar day during which the worker is required or permitted to work more than eight (8) hours in any one (1) calendar day or more than forty (40) hours per calendar week in violation of Article 3, Division 2, Part 7, Chapter 1 of the California Labor Code.

c. Employment of Apprentices:

Contractor shall comply with Labor Code §§1773.3, 1777.5 and 1777.6, and 3077 *et. seq*., each of which is incorporated by reference into this Contract. These sections require that contractors and subcontractors employ apprentices in apprenticeable occupations in a ratio of not less than one (1) hour of apprentice work for every five (5) hours of labor performed by a journeyman, unless an exception is granted and that Contractors and Subcontractors shall not discriminate against otherwise qualified employees as apprentices on any public works solely on the ground of actual or perceived race, religion, color, national origin, ethnic group identification, sex, gender, sexual orientation, age, or physical or mental disability.

Only apprentices who are in training under written apprenticeship occupations shall be employed. The responsibility for compliance with these provisions for all apprenticeable occupations rests with Contractor.

d. The Contractor shall be knowledgeable of and comply with Labor Code §§1727, 1773.5, 1775, 1777, 1777.5, 1810, 1813, 1860, including all amendments thereto; each of these sections is incorporated by reference into this Contract.

46. GENERAL RATE OF PER DIEM WAGES

a. On File:

As required by Labor Code §1773.2, the District has available copies of the general prevailing rate of per diem wages for workers employed on public work as determined by the Director of the Department of Industrial Relations, which shall be available to any interested party on request. Contractor shall post a copy of the document at each job site.

b. Prevailing Wage Rate:

The Contractor and each Subcontractor shall pay each worker performing work under this Contract at a rate not less than the prevailing wage as defined in Labor Code §1771 and 1774 and §16000(a) of Title 8, California Code of Regulations.

c. Penalty:

In accordance with §1775 of the Labor Code, the Contractor shall forfeit to the District as penalty, the sum of $200 for each calendar day, or portion thereof, for each worker paid less than the prevailing wage rates, as determined by the Director of the California Department of Industrial Relations, for any work done under this Contract by Contractor or by any Subcontractor. Contractor shall also pay each worker the difference between the stipulated prevailing wages rates and the amount actually paid to such worker.

47. RECORD KEEPING

a. The Contractor agrees to comply with the provisions of §§1776 and 1812 of the Labor Code. The Contractor and each Subcontractor shall keep or cause to be kept an accurate record showing the names, addresses, social security numbers, work classifications, straight time and overtime hours worked each day and week of all workers employed by Contractor in connection with the execution of this Contract or any subcontract thereunder and showing the actual per diem wages paid to each of such workers. These records shall be certified and shall be open at all reasonable hours to the inspection of the District awarding the Contract, its officers and agents, and to the Chief of the Division of Labor Statistics and Law Enforcement of the State Department of Industrial Law Enforcement of the State Department of Industrial Relations, and his or her other deputies and agents.

b. In addition, copies of the above records shall be available as follows:

1) A certified copy of an employee's payroll record shall be made available for inspection or furnished to the employee or his or her authorized representative on request;

2) A certified copy of all payroll records shall be made available for inspection or furnished upon request to the District, the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the Department of Industrial Relations;

3) A certified copy of all payroll records shall be made available upon request by the public for inspection or copies thereof made; provided, however, that a request by the public shall be made through either the District, the Division of Apprenticeship Standards, or the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement. If the requested payroll records have not been previously provided, the requesting party shall, prior to being provided the records, reimburse the costs of the Contractor, Subcontractors, and the entity through which the request was made. The public shall not be given access to the records at the principal office of the Contractor.

c. The Contractor shall file a certified copy of the records with the entity requesting the records within ten days after receipt of a written request. Any copy of records made available for inspection as copies and furnished upon request to the public or any public agency by the District, shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address, and social security number. The name and address of the Contractor awarded the Contract or performing the Contract shall not be marked or obliterated.

d. The Contractor shall inform the Owner of the location of the records, including the street address, city and county, and shall, within five working days, provide a notice of a change of location and address.

e. In the event of noncompliance with the requirements of this section, the Contractor shall have ten days in which to comply subsequent to receipt of written notice specifying in what respects the Contractor must comply with this section. Should noncompliance still be evident after the ten day period, the Contractor shall, as a penalty to the District, forfeit $100 for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due.

f. Responsibility for compliance with this provision shall be with the Contractor.

48. PROJECT COMPLETION

a. When all of the work to be performed under this Contract has been fully completed, the Contractor shall notify the Architect and District, in writing, setting a date for inspection. The Contractor and Subcontractor representatives shall attend the inspection. As a result of this inspection, the Architect will prepare a list of items ("punch list") that are incomplete or not installed according to the Contract Documents. Failure to include items on this list does not relieve the Contractor from fulfilling all requirements of the Contract Documents.

b. The Architect will promptly deliver the punch list to the Contractor and it will include a period of time by which the Contractor shall complete all items listed thereon. On completion of all items on the punch list, verified by a final inspection, and all other Contract requirements, so that Final Completion has been achieved to the District's satisfaction, the District will file a Notice of Completion with the County Recorder. Payment of retention from the Contract, less any sums withheld pursuant to the terms of this Contract or applicable law, shall not be made sooner than thirty-five (35) calendar days after the date of filing of Notice of Completion.

c. The District reserves the right to occupy buildings and/or portions of the site at any time before Completion, and occupancy shall not constitute final acceptance of any part of the Work covered by the Contract Documents, nor shall such occupancy extend the date specified for completion of the Work. Beneficial occupancy of building(s) does not commence any warranty period or entitle Contractor to any additional compensation due to such occupancy, or affect in any way or amount Contractor's obligation to pay liquidated damages for failure to complete the Project on time.

49. TRENCHING OR OTHER EXCAVATIONS

a. Excavations or Trenches Deeper than Four Feet:

If the Project involves digging trenches or other excavations that extend deeper than four feet, the following provisions shall be a part of this Contract:

1) The Contractor shall promptly, and before the following conditions are disturbed, provide written notice to the District if the Contractor finds any of the following conditions:

(a) Material that the Contractor believes may be a hazardous waste, as defined in §25117 of the Health and Safety Code, which is required to be removed to a Class I, Class II, or Class III disposal site in accordance with the provisions of existing law.

(b) Subsurface or latent physical conditions at the site which are different from those indicated or expected.

(c) Unknown physical conditions at the site of any unusual nature or which are materially different from those ordinarily encountered and generally recognized as inherent in work which the Contractor generally performs.

2) In the event that the Contractor notifies the District that Contractor has found any of the conditions specified in subparagraphs (a), (b) or (c), above, the District shall promptly investigate the condition(s). If the District finds that the conditions are materially different or that a hazardous waste is present at the site which will affect the Contractor's cost of, or the time required for, performance of the Contract, the District shall issue a change order in accordance with the procedures set forth in this Contract.

3) In the event that a dispute arises between the District and the Contractor regarding any of the matters specified in Paragraph (2), above, the Contractor shall proceed with all work to be performed under the Contract and the Contractor shall not be excused from completing the Project as provided in the Contract. In performing the work pursuant to this Paragraph, the Contractor retains all rights provided by Article 50 which pertains to the resolution of disputes between the contracting parties.

b. Regional Notification Center:

The Contractor, except in an emergency, shall contact the appropriate regional notification center at least two (2) days prior to commencing any excavation if the excavation will be conducted in an area that is known, or reasonably should be known, to contain subsurface installations other than the underground facilities owned or operated by the District, and obtain an inquiry identification number from that notification center. No excavation shall be commenced and/or carried out by the Contractor unless an inquiry identification number has been assigned to the Contractor or any Subcontractor and the Contractor has given the District the identification number. Any damages or delays arising from Contractor's failure to make appropriate notification shall be at the sole risk and expense of the Contractor and shall not be considered for an extension of the Contract time.

c. Existing Utility Lines:

1) Pursuant to Government Code §4215, the District assumes the responsibility for removal, relocation, and protection of main or trunk utility lines and facilities located on the construction site at the time of commencement of construction under this Contract with respect to any such utility facilities that are not identified in the plans and Specifications. Contractor shall not be assessed liquidated damages for delay in completion of the Project caused by the failure of the District or the owner of a utility to provide for removal or relocation of such utility facilities.

2) Locations of existing utilities provided by the District shall not be considered exact, but approximate within reasonable margin and shall not relieve Contractor of responsibilities to exercise reasonable care nor costs of repair due to Contractor’s failure to do so. The District shall compensate Contractor for the costs of locating

and repairing damage not due to the failure of Contractor to exercise reasonable care, and removing or relocating such utility facilities not indicated in the plans and Specifications with reasonable accuracy.

3) No provision herein shall be construed to preclude assessment against Contractor for any other delays in completion of the Project. Nothing in this section shall be deemed to require the District to indicate the presence of existing service laterals, appurtenances, or other utility lines, with the exception of main or trunklines, whenever the presence of such utilities on the site of the construction Project can be inferred from the presence of other visible facilities, such as buildings, meter and junction boxes, on or adjacent to the site of the construction.

4) If Contractor, while performing work under this Contract, discovers utility facilities not identified by the District in the Project plans and Specifications, Contractor shall immediately notify the District and the utility in writing. The cost of repair for damage to above-mentioned visible facilities without prior written notification to the District shall be borne by the Contractor.

d. Prompt Notification:

Contractor understands, acknowledges and agrees that the purpose for prompt notification to the District pursuant to these provisions is to allow the District to investigate the condition(s) so that the District shall have the opportunity to decide how the District desires to proceed as a result of the conditions. Accordingly, failure of Contractor to promptly notify the District in writing, pursuant to these provisions, shall constitute Contractor's waiver of any claim for damages incurred as a result of the conditions.

e. Trenches Five Feet and Deeper:

Pursuant to Labor Code §6705, if the Contract price exceeds $25,000 and involves the excavation of any trench or trenches five (5) feet or more in depth, the Contractor shall, in advance of excavation, promptly submit to the District and/or a registered civil or structural engineer employed by the District or Architect, a detailed plan showing the design of shoring for protection from the hazard of caving ground during the excavation of such trench or trenches.

50. RESOLUTION OF CONSTRUCTION CLAIMS

a. Public work claims of $375,000 or less between the Contractor and the District are subject to the provisions of Article 1.5 (commencing with §20104) of Chapter 1 of Part 2 of the Public Contract Code (“Article 1.5 claim”). For purposes of Article 1.5, "public work" has the same meaning as set forth in §§3100 and 3106 of the Civil Code; "claims" means a separate demand by Contractor for a time extension or payment of money or damages arising from work done by or on behalf of Contractor pursuant to the Contract and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to or the amount of the payment which is disputed by the District.

b. All claims shall be submitted on or before the date of the Final Payment and shall include all documents necessary to substantiate the claim. District shall respond in writing within 45 days of receipt of claim if the claim is less than or equal to $50,000 ("$50,000 claim") or within 60 days if the claim is over $50,000 but less than or equal to $375,000 ("50,000 - $375,000 claim"). In either case, District may request in writing within 30 days of receipt of claim any additional documentation supporting the claim or relating to any defenses to the claim which the District may have against the Contractor. Any additional information shall be requested and provided upon mutual agreement of the District and the Contractor. District's written response to the claim shall be submitted to Contractor within 15 days after receipt of the further documentation for $50,000 claims or within 30 days after receipt of the further documentation for $50,000 - $375,000 claims or within a period of time no greater than that taken by the Contractor in producing the additional information, whichever is greater.

c. Within 15 days of receipt of the District's response, if Contractor disputes the District's written response, or within 15 days of the District's failure to respond within the time prescribed, the Contractor shall provide written notification to District demanding an informal conference to meet and confer ("conference") to be scheduled by District within 30 days. Following the conference, if any claim or portion remains in dispute, the Contractor may file a claim as provided in Chapter 1 (commencing with §900) and Chapter 2 (commencing with §910) of Part 3 of Division 3.6 of Title 1 of the Government Code. For purposes of those provisions, the period of time within which a claim must be filed is tolled from the time the claimant submits a written claim pursuant to this section until the time that claim is denied as a result of the conference process, including any period of time utilized by the meet and confer process.

d. Pursuant to Public Contract Code §20104.2(f), this section does not apply to tort claims and does not change the period for filing claims or actions specified by Chapter 1 (commencing with §900) and Chapter 2 (commencing with §910) of Part 3 of Division 3.6 of Title 1 of the Government Code.

e. If a civil action is filed, within 60 days, but no earlier than 30 days, following the filing of responsive pleadings, the court shall submit the matter to nonbinding mediation unless waived by mutual stipulation of both parties. The mediation process shall provide that both parties select a disinterested third person mediator within 15 days, shall be commenced within 30 days of the submittal, and shall be concluded within 15 days of the commencement of the mediation unless time is extended upon a good cause showing to the court or by stipulation of the parties. If the parties fail to select a mediator within the 15-day period, any party may petition the court to appoint the mediator.

f. If the matter remains in dispute, the case shall be submitted to judicial arbitration as set forth in Public Contract Code §§20104.4 (b)(1) through (b)(3).

g. For any claim in excess of $375,000, the Contractor and the District shall follow the same process as for an Article 1.5 claim. The District will forward a response within 60 days of

submittal of any such claim. Judicial arbitration is not required for claims in excess of $375,000.

Claims shall also be processed consistent with Public Contract Code section 9204, which provides processing timelines and procedures, and requires that undisputed claims be promptly paid in accordance with this code provision.

h. In addition, for all unresolved claims that the Contractor wishes to pursue, the Contractor shall file a timely claim pursuant to the Government Claims Act and shall otherwise comply with the procedures set forth in that Act prior to commencing any litigation against the District. The accrual date for any such claim is the date the dispute or controversy first arose regarding the issues raised in the claim.

i. "The date of Final Payment," as used in this Article 50, means the date the public entity is required to release retention proceeds in accordance with Public Contract Code §7107 regardless of whether any payment is made to the Contractor at that time.

j. The claims required by this Article are jurisdictional and conditions precedent to the commencement of any further legal proceedings. Strict compliance with all filing deadlines is mandatory.

51. LABOR COMPLIANCE PROGRAM

If this Contract is for a public works project over $25,000 or for a maintenance project over $15,000, Contractor acknowledges that the project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations in accordance with California Labor Code sections 1725.5 and 1770 *et seq*. All bidders, contractors and subcontractors working at the site shall be duly registered with the Department of Industrial Relations at time of bid opening and at all relevant times. Proof of registration shall be provided as to all such contractors prior to the commencement of any work. Contractor shall coordinate with the Architect to ensure that DIR is advised of the award of the construction contract in a timely manner by filing form PWC-100 with DIR within thirty days of award of the contract, but no later than the first day in which the Contractor has workers employed upon the project.

52. DRUG-FREE WORKPLACE CERTIFICATION

Contractor certifies all of the following:

1) Contractor is aware of the provisions and requirements of California Government Code §§ 8350 et seq., the Drug Free Workplace Act of 1990.

2) Contractor is authorized to certify, and does certify, that a drug free workplace will be provided by doing all of the following:

   a) Publishing a statement notifying all 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 a violation of the prohibition;

b) 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;

c) Requiring that each employee engaged in the performance of Work on the Project be given a copy of the statement required by subdivision (a), above, and that as a condition of employment by Contractor in connection with the Work on the Project, the employee agrees to abide by the terms of the statement.

3) Contractor understands that if the District determines that Contractor has either: (a) made a false certification herein, or (b) violated this certification by failing to carry out and to implement the requirements of Government Code §§ 8350 et seq., the Contract is subject to termination, suspension of payments, or both. Contractor further understands 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 Government Code §§ 8350, et seq.

53. PROVISIONS REQUIRED BY LAW DEEMED INSERTED

Every provision of law and clause required by law to be inserted in this Contract shall be deemed to be inserted, and this Contract shall be read and enforced as though it were included, and if through mistake or otherwise any provision is not inserted or is not correctly inserted, upon application of either party the Contract shall be amended to make the insertion or correction. All references to statutes and regulations shall include all amendments, replacements, and enactments on the subject which are in effect as of the date of this Contract.

54. GENERAL PROVISIONS

a. Assignment and Successors:

Neither party may transfer or assign its rights or obligations under the Contract Documents, in part or in whole, without the other party's prior written consent. The Contract Documents are binding on the heirs, successors, and permitted assigns of the parties hereto.

b. Third Party Beneficiaries:

There are no intended third party beneficiaries to the Contract.

c. Choice of Law and Venue

The Contract Documents shall be governed by California law, and venue shall be in the Superior Court of the county in which the project is located, and no other place.

d. Severability

If any provision of the Contract Documents is determined to be illegal, invalid, or unenforceable, in part of in whole, the remaining provisions, or portions of the Contract Documents shall remain in full force and effect.

e. Entire Agreement

The Contract Documents constitute the final, complete, and exclusive statement of the terms of the agreement between the parties regarding the subject matter of the Contract Documents and supersedes all prior written or oral understandings or agreements of the parties.

f. Waiver

No waiver of a breach, failure of any condition, or any right or remedy contained in or granted by the provisions of the Contract Documents shall be effective unless it is in writing and signed by the party waiving the breach, failure, right, or remedy. No waiver of any breach, failure, right, or remedy shall be deemed a waiver of any other breach, failure, right, or remedy, whether or not similar, nor shall any waiver constitute a continuing waiver unless the writing so specifies.

g. Headings

The headings in the Contract Documents are included for convenience only and shall neither affect the construction or interpretation of any provision in the Contract Documents nor affect any of the rights or obligations of the parties to the Contract.

--END-

NOTICE OF AWARD

To:

Project Description: Napa Velley College Wine Education Center.

The District has considered the bid submitted by you for the above described work in response to its Notice Inviting Bids for the Project.

You are hereby notified that your bid has been accepted in the amount of: _____
_____ ($ _____).

You are required to execute the Contract and furnish the required Performance Bond and Payment Bond using the bond forms provided in the Contract Documents and the required certificates of insurance within ten (10) calendar days from the date of issuance of this Notice.

If you fail to execute the Contract and to furnish the bonds and insurance within ten (10) calendar days from the date of issuance of this Notice, the District will be entitled to consider all your rights arising out of its acceptance of your bid as abandoned and your Bid Bond forfeited. The District will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this Notice of Award to the District.

Dated this_____ day of _____, 20__.

By _____
Authorized District Signature

Receipt of this above Notice of Award is hereby acknowledged by:

_____, this is the _____

day of _____, 20__.

By _____

Title _____

NOTICE TO PROCEED

To: Date:

PROJECT: Napa Valley College Wine Education Center.

You are hereby notified to commence work in accordance with the Contract dated _____ _____, 20__, on or before _____, 20__, and you shall complete the work _____ consecutive calendar days thereafter.

By: _____
Authorized District Signature

PERFORMANCE BOND

WHEREAS, the Governing Board of the Napa Valley College District ("District"), at its meeting on _____, 20___, has awarded to _____ ("Principal"), the Contract for performance of the following project ("Project"):
Napa Valley College Wine Education Center.

WHEREAS, the Principal is required under the terms of the Contract to furnish a bond to the District as obligee ensuring its full and faithful performance of the Contract Documents, which are fully incorporated herein by this reference,

NOW, THEREFORE, we, the Principal and _____, as Surety, hereby guarantee the Principal's full, faithful and complete performance of the Contract Document requirements in the penal sum of _____ dollars ($_____) for the payment of which sum will and truly be made, we bind ourselves, our heirs, executors, administrators and successors, jointly, severally, and firmly by this agreement to perform or have performed all of the work and activities required to complete the Project pursuant to the Contract Documents and to pay to the District all damages the District incurs as a result of the Principal's failure to fully perform in accordance with the Contract Documents.

The condition of the obligation is such that if the Principal, its heirs, executors, administrators, successors or assigns shall in all things abide by, and well and truly keep and perform the covenants, conditions and agreements in the Contract Documents and any amendment thereof made as therein provided, on its or their parts 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 insure and indemnify and save harmless the District, its officers and agents, as therein stipulated, then this obligation shall become null and void. Otherwise, it shall be and remain in full force and effect.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the Contract Documents shall in any way affect its obligations on this bond and it does hereby waive notice of any such change, extension of time, alteration or addition.

Principal and Surety further agree to pay all costs incurred by the District in connection with enforcement of this bond, including, but not limited to the District's reasonable attorney's fees and costs incurred, with or without suit, in addition to any other sum required by this bond. Surety further agrees that death, dissolution, or bankruptcy of the Principal shall not relieve the Surety of its obligations hereunder.

In witness whereof, this instrument has been duly executed by the Principal and Surety on the _____ day of _____, 20___.

To be signed by Principal and Surety and acknowledgment and notarial seal to be attached.

_____
PRINCIPAL

By: _____

TITLE _____

_____
SURETY

By: _____

TITLE _____

The above bond is accepted and approved this _____ day of _____, 20___.

By: _____
Authorized District Signature

PAYMENT BOND

WHEREAS, the Napa Valley College District ("District") and the Contractor, _____ ("Principal") have entered into a contract ("Contract") for the furnishing of all materials, labor, services, equipment, tools, supervision and transportation necessary, convenient and proper for the Napa Valley College Wine Education Center project ("Project") which Contract dated _____, 2___, and all of the Contract Documents made part thereof are fully incorporated herein by this reference; and

WHEREAS, Contractor/Principal is required by Division 4, Part 6, Title 3, Chapter 5 (commencing at Section 9550) of the California Civil Code to furnish a bond in connection with the contract;

NOW, THEREFORE, we, the Contractor/Principal and _____ as Surety, are held firmly bound unto Owner in the penal sum of $_____ Dollars ($_____), lawful money of the United States of America for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if the Contractor/Principal, his/her or its heirs, executors, administrators, successors, or assigns, or a subcontractor, shall fail to pay any person or persons named in Civil Code Section 9100 or fail to pay for any materials or other supplies used in, upon, for, or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Code with respect to work or labor thereon of any kind, or shall fail to deduct, withhold, and pay over to the Employment Development Department any amounts required to be deducted, withheld, and paid over by Section 13020 of the Unemployment Insurance Code with respect to work and labor thereon of any kind, then said Surety will pay for the same, in or to an amount not exceeding the amount set forth above, and in case suit is brought upon this bond Surety will also pay such reasonable attorney's fees as shall be fixed by the court, awarded and taxed as provided in Division 4, Part 6, Title 3, Chapter 5 (commencing at Section 9550) of the California Civil Code.

This bond shall inure to the benefit of any of the persons named in Section 9100 of the California Civil Code so as to give a right of action to such person or their assigns in any suit brought upon this bond.

It is further stipulated and agreed that the Surety of this bond shall not be exonerated or released from the obligation of the bond by any change, extension of time for performance, addition, alteration, or modification in, to, or of any contract, plans, specifications, or agreement pertaining or relating to any scheme or work of improvement described above or pertaining or relating to the furnishing of labor, materials, or equipment therefor, nor by any change or modification of any terms of payment or extension of the time for any payment pertaining or relating to any scheme or work of improvement described above, nor by any rescission or attempted rescission of the contract, agreement, or bond, nor by any conditions precedent or subsequent in the bond attempting to limit the right of recovery of claimants otherwise entitled to recover under any such contract or agreement or under the bond, nor by any fraud practiced by any person other than the claimant seeking to recover on the bond, and that this bond be construed most strongly against the Surety and in favor of all persons for whose benefit such bond is given, and under no circumstances shall Surety be released from liability to those for whose benefit such bond has been given, by reason of any breach of contract between the Owner and original contractor or on the part of any obligee named in such

bond, but the sole conditions of recovery shall be that claimant is a person described in Section 8400 and 8402 of the California Civil Code and has not been paid the full amount of his/her or its claim and that Surety does hereby waive notice of any such change, extension of time, addition, alteration, or modification.

In witness whereof, this instrument has been duly executed by the Principal and Surety this _____ day of _____, 20__.

To be signed by Principal and Surety and acknowledgment and notarial seal to be attached.

_____
PRINCIPAL

By:
_____

_____
Title

_____
SURETY

By:
_____

_____
Title

The above bond is accepted and approved this _____ day of _____, 20__.

By:_____
Authorized District Signature

IRAN CONTRACTING ACT CERTIFICATION
(Public Contract Code Sections 2202-2208)

As required by California Public Contract Code Section 2204, the Contractor certifies subject to penalty for perjury that the option checked below relating to the Contractor's status in regard to the Iran Contracting Act of 2010 (Public Contract Code Section 2200 et seq.) is true and correct:

- € The Contractor is not:
  - o identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203; or

  - o a financial institution that extends, for 45 days or more, credit in the amount of $20,000,000 or more to any other person or entity identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203, if that person or entity uses or will use the credit to provide goods or services in the energy sector in Iran.

- € The District has exempted the Contractor from the requirements of the Iran Contracting Act of 2010 after making a public finding that, absent the exemption, the District will be unable to obtain the goods and/or services to be provided pursuant to the Contract.

- € The amount of the Contract payable to the Contractor for the Project does not exceed $1,000,000.

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

_____
Signature Date

_____
Name Title

_____
Name of Contractor

SUPPLEMENTAL CONDITIONS

1. DIVISION 01 SPECIFICATION SECTIONS:
Division 01 Sections of the Technical Specifications further defines the intent of the General Conditions and Supplemental Conditions, and specifies additional requirements including, but not limited to, general requirements; scope of work and special project procedures; contract modifications and payment procedures; project management and coordination; construction progress documentation; product submittal and substitution requirements and procedures; quality assurance and control; references and definitions; temporary facilities, utilities, controls and temporary signage; execution, cutting and patching and demolition; closeout procedures; project record documentation; operation and maintenance documentation; and demonstration and training requirements..

2. AGREEMENT:
The form of agreement which the successful bidder, as contractor, will be required to execute is included in the contract documents and should be carefully examined by the Bidder. The agreement and bonds shall be executed in two (2) original counterparts.

3. TIME FOR COMPLETION:
The starting date of the Contract shall be the day listed by the District in the Notice to Proceed.

Expected Project Schedule:

Notice of Award:	May 16, 2024
Notice to Proceed:	May 17, 2024
Construction completion:	May 2, 2025

4. LIQUIDATED DAMAGES:
Time is of the essence in the performance of this Contract. Liquidated damages for Contractor's failure to complete the milestones and the Contract within the times fixed are established in the amounts of:

DESCRIPTION OF MILESTONE	DATE OF MILESTONE	LIQUIDATED DAMAGES PER CALENDAR DAY FOR LATE COMPLETION
a. Completion of work	May 2, 2025	$1,000.00

5. SCHEDULE CONSTRAINTS
To minimize disruption to critical education activities, Contractor shall accommodate for the following schedule constraints, in addition to the Completion Date set forth in the Contract.
   a. Campus openings and first week of fall, spring, and summer sessions.
   b. Housing move-ins and students returning to campus.
   c. Early Learning Center – Pick Up / Drop Off hours.

d. Contractor will need to coordinate their work and their calendar with the NVC events and academic calendar. This is an ongoing task.
e. Normal construction hours are between 6:00 am and 5:30 pm.

6. CONTRACT SETS OF CONTRACT DOCUMENTS
The Architect will provide the Contractor access to digital files located on a web-based project information management system. Printed sets will not be provided.

7. PUBLIC LIABILITY INSURANCE
General Conditions, Article 11 “Insurance,” Section 11.c. shall be revised to include the Construction Manager, Architect, and the Project Inspector as additional insured on the Public Liability Insurance Policy.

8. INDEMNITY
General Conditions, Article 29 “Indemnity;” after the words “Construction Manager” add the words “Project Inspector,”

9. WARRANTY OF SUPPLIES, EQUIPMENT AND RELATED ADDITIONAL SERVICES
If the Contractor fails to carry out the responsibilities described in the General Conditions, Article 32, “Guarantee and Warranty” then the Contractor will also be solely responsible for the costs and charges incurred by the District's Construction Managers, Architects, Engineers, Consultants and other representatives by failure to repair defects within the allotted time after receipt of written notification by the District.

10. SUBMITTALS
General Conditions, Article 26 “Submittals: Shop Drawings, Cuts and Samples;” Revise the quantity of shop drawings, brochures, and catalog cuts, to be submitted to be three (3).

11. MEANING OF TERMS
Terms indicated that have common and well-known technical or trade meanings, unless specifically defined otherwise in the Contract Documents, shall be interpreted in accordance with their common and well-known meanings.

12. FINAL COMPLETION
“Final Completion” shall be substituted for the term “Substantial Completion” as it occurs in the technical specifications.

13. ABNORMAL WEATHER CONDITIONS
If adverse weather conditions are the basis for a Claim for additional time, such Claim shall be documented by data substantiating the weather conditions were abnormal for the period of time and could not have been reasonably anticipated, and that the weather conditions had an adverse effect on the critical path of the scheduled construction. A rain, windstorm, high water, or other natural phenomenon of the specific locality of the Work, which might reasonably be anticipated from historical records of the general locality of the Work, shall not be construed as abnormal. It is hereby agreed that rainfall greater than the following, when impacting activities on the critical path, cannot be reasonably anticipated:

a. Daily rainfall equal to, or greater than, 1 inch during a month when the monthly rainfall exceeds the normal monthly average by 15% or more.

b. Daily rainfall equal to, or greater than, the 5-year storm, 24-hour duration at any time.
c. Source of Weather Information: Western Regional Weather Center: http://www.wrcc.dri.edu/summary/climsmnca.html
d. Project Location: Napa, California

END OF SUPPLEMENTAL CONDITIONS

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SECTION 00 31 19

EXISTING CONDITION INFORMATION

1.1 EXISTING CONDITION INFORMATION

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 the Bidders' own investigations. They are made available for Bidders' convenience and information, but are not a warranty of existing conditions. This Document and its attachments are not part of the Contract Documents.

B. Existing drawings that include information on existing conditions including previous construction at Project site are available for viewing on Project Web site.

C. Related Requirements:

1. Document “Construction Bid Documents (CCD)” for the Bidder's responsibilities for examination of Project site and existing conditions.
    a. Modular Building Pans for Napa Valley College Wine Lab. DSA File #28-C1, DSA Application #01-101639; DSA approval date June 23, 1999.
    b. Napa Valley Vintners Teaching Winery. DSA File #28-C1, DSA Application #01-103886, DSA approval date September 20, 2001.
    c. Napa Valley College Wine Storage Building. Non-DSA project. Prepared by TLCD Architecture, Project #05067.00; dated January 10, 2007.
        1) Addendum No. One, dated March 28, 2007. Prepared by TLCD Architecture.
        2) Cost Request No. 1, dated May 7, 2007. Prepared by TLCD Architecture.
2. Owners existing hazardous material information for hazardous materials reports that are made available to bidders by the Owner.
    a. Demolition Asbestos/Lead Survey for Napa Valley College at Building 3220 Ag-Lab located on the Napa Valley College Campus in Napa California.” Prepared by FIT Environmental Services; Project #24-017, dated February 29, 2024.
    b. Demolition Asbestos/Lead Survey for Napa Valley College at Building 3200 located on the Napa Valley College Campus in Napa California.” Prepared by FIT Environmental Services; Project #24-018, dated February 29, 2024.
3. Document 00 31 32 "Geotechnical Data" for reports and soil-boring data from geotechnical and geological hazard investigations that are made available to bidders.

END OF SECTION

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SECTION 00 31 32 – GEOTECHNICAL DATA

1.1 SUMMARY

A. The geotechnical data was prepared from the Owner's subsurface exploration and geotechnical evaluation includes location plan, exploration results, borings, general notes, and soil classification system.
   1. A geotechnical investigation has been conducted for the Project site by the Owner's Geotechnical Engineering Consultant, independent of the Architect, to reasonably determine existing site conditions. The Owner's Geotechnical Engineering Consultant has prepared a Geotechnical Investigation Report (Soils Report) to provide recommendations to the design professionals, and provide requirements for construction of the Project by the Contractor.
      a. Owner's Geotechnical Consultant:
         1) Name: Signet Testing Laboratories, Inc.
         2) Address: 3526 Breakwater Court, Hayward, California 94545
         3) Phone: (510) 887-8484.
      b. Title of Report: "Geological Engineering Investigation for Proposed Wine Education Complex, Napa Valley College, Napa, CA."
      c. Date of Report: August 5, 2022.
      d. Geotechnical Firm's Project Number: 2407-40.
   2. The Owner's Soils Report is available from the Owner.
   3. A geological hazard study has been conducted for the Project site by the Owner's Geotechnical Engineering Consultant, independent of the Architect, to reasonably determine existing site conditions. The Owner's Geological Engineering Consultant has prepared a Geological Hazard Study to provide recommendations to the design professionals, and provide requirements for construction of the Project by the Contractor.
      a. Owner's Geological Engineering Consultant:
         1) Name: Allerion Consulting Group, Inc.
         2) Address: 1050 Melody Lane, Suite 160, Roseville, California 95678
         3) Phone: (510) 887-8484.
      b. Title of Report: "Geological Hazard Study, Proposed Wine Napa Valley College Viticultural Teaching Winery, Napa, California."
      c. Date of Report: August 5, 2022.
      d. Geotechnical Firm's Project Number: 05-22040G.
   4. The Owner's Geological Hazard Study is available from the Owner.
   5. Prior to bidding, bidders may make their own subsurface investigations to satisfy themselves as to site and subsurface conditions. Such investigations may be performed only under time schedules and arrangements approved in advance by the Owner.
      a. Costs for Contractor's site investigations are solely the responsibility of the Contractor, including repairs for damages to existing surfaces.

B. Data on indicated subsurface conditions provided by the Owner are not intended as representations or warranties of continuity of such conditions. It is expressly understood that the Owner is not responsible for interpretations or conclusions drawn from the data by the Contractor. Data are made available for the convenience of the Contractor and are not guaranteed to represent conditions that may be encountered.
   1. The reports identify properties of below grade conditions and offers recommendations for the design of foundations, paving and other construction components primarily for the use of the Architect and Engineers.

2. The recommendations described shall not be construed as a requirement of the Contract unless specifically referenced in the Contract Documents.
3. The report, by its nature, cannot reveal all conditions existing on the site. Should subsurface conditions be found to vary substantially from this report, changes in the design and construction of foundations, paving and other construction components will be made with resulting credits or additions to the Contract sum accruing to the Owner.

PART 2 - PRODUCTS (Not Used

PART 3 - EXECUTION (Not Used)

END OF SECTION

NAPA VALLEY COLLEGE
WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

DSA Application # 01-120890   File # 28-C1

ABBREVIATIONS

CFCI	CONTRACTOR FURNISH CONTRACTOR INSTALL
CFOI	CONTRACTOR FURNISH OWNER INSTALL
OFCI	OWNER FURNISH CONTRACTOR INSTALL
OFOI	OWNER FURNISH OWNER INSTALL
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
AC	ASPHALT CONCRETE
ACC	ACCESSIBLE
ACOUS	ACOUSTIC
ACP	ASPHALT CONCRETE PAVING
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADA	AMERICANS W/ DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT
ASPH	ASPHALT
BD	BOARD
BFC	BELOW FINISHED CEILING
BFD	BACK FLOW DEVICE
BITUM	BITUMINOUS
BLD	BOLLARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BRK	BRICK
BRZ	BRONZE
BTWN	BETWEEN
BUR	BUILT-UP ROOFING
C	COMPACT
CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CERT	CERAMIC TILE
CH	CHASE
CI	CAST IRON
CIR	CIRCLE
CJ	CONSTRUCTION JOINT
CLG	CEILING
CLGJ	CEILING JOIST
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CLRSTY	CLERESTORY
CLS	CLOSURE
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEAN OUT
COL	COLUMN
COMB	COMBINATION
COMP	COMPOSITION
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COR	CORRIDOR
CP	CEMENT PLASTER
CPT	CARPET
CPTT	CARPET TILE
CRKT	CRICKET
CTR	CENTER
CW	COLD WATER
D	DRAIN
DBL	DOUBLE
DCA	DOUBLE CHECK VALVE ASSEMBLY
DEMO	DEMOLISH
DEPT	DEPARTMENT
DF	DOUGLAS FIR
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPOSAL
DIV	DIVISION
DN	DOWN
DO	DOOR OPENING
DR	DOOR
DRF	DRINKING FOUNTAIN
DRWR	DRAWER
DS	DOWN SPOUT
DT	DRAIN TILE
DTL	DETAIL
DW	DISHWASHER
DWS	DETECTABLE WARNING STRIP
(E)	EXISTING
E	EAST
EA	EACH
EB	EXPANSION BOLT
EE	EACH END
EF	EXHAUST FAN
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EN	EDGE NAIL
ENCL	ENCLOSURE
EP	EDGE OF PAVEMENT
EQ	EQUAL
EQUIV	EQUIVALENT
ES	EACH SIDE
EVA	EMERGENCY VEHICLE ACCESS
EW	EACH WAY
EX	EXIT
EXP	EXPANSION
EXPO	EXPOSURE
EXT	EXTERIOR
EXTN	EXTENSION
F	FACE
FA	FIRE ALARM
FB	FACE BRICK
FBD	FIBERBOARD
FBELL	FIRE BELL
FBO	FURNISHED BY OTHER
FCP	FIBER CEMENT PANEL
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINQUISHER
FEC	FIRE EXTINQUISHER CABINET
FF	FINISH FLOOR
FG	FINISH GRADE
FGL	FIBERGLASS
FH	FIRE HYDRANT
FHMS	FLAT HEAD MACHINE SCREW
FHORN	FIRE HORN
FHS	FIRE HOSE STATION
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH
FIXT	FIXTURE
FJ	FLOOR JOIST
FLR	FLOOR
FLSH	FLASHING
FN	FACE NAIL
FNC	FENCE
FOB	FACE OF BUILDING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FR	FIRE RETARDANT
FTG	FOOTING
FUT	FUTURE
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GD	GARBAGE DISPOSAL
GE	GRATE ELEVATION
GL	GLASS
GLB	GLUE LAMINATED BEAM
GND	GROUND
GR	GRADE
GSM	GALVANIZED SHEET METAL
GYP BD	GYPSUM BOARD
HB	HOSE BIB
HC	HOLLOW CORE
HDR	HEADER
HDWD	HARDWOOD
HDWE	HARDWARE
HGT	HEIGHT
HM	HOLLOW METAL
HORZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HSS	HOLLOW STRUCTURAL STEEL
HTG	HEATING
HVAC	HEATING, VENTILATION & AIR CONDITIONING
HW	HOT WATER
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
IRR	IRRIGATION
JAN	JANITOR
JH	JOIST HANGER
JST	JOIST
JT	JOINT
KIT	KITCHEN
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LB	LAG BOLT
LH	LEFT HAND
LL	LIVE LOAD
LN	LENGTH
LP	LOW POINT
LSL	LAMINATED STRAND LUMBER
LT	LIGHT
LTG	LIGHTING
LVR	LOUVER
LW	LIGHTWEIGHT
MAT	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MEDICINE CABINET
MECH	MECHANICAL
MED	MEDIUM
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MOD	MODULAR
MR	MOISTURE RESISTANT
MTD	MOUNTED
MTL	METAL
(N)	NEW
N	NORTH
NAT	NATURAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NON-RATED
NTS	NOT TO SCALE
O/	OVER
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
OFF	OFFICE
OFS	OUTSIDE FACE OF STUD
OHWS	OVAL HEAD WOOD SCREW
OPP	OPPOSITE
OVFL	OVERFLOW
P	PAINT
PCF	POUNDS PER CUBIC FOOT
PEN	PANEL EDGE NAIL
PERF	PERFORATED
PIR	POLYISOCYNURATE
PIV	POST INDICATOR VALVE
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLF	POUNDS PER LINEAR FOOT
PLNT	PLANTER
PLWD	PLYWOOD
PMF	PRESSED METAL FRAME
PR	PAIR
PROP	PROPERTY
PRPT	PARAPET
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PSTA	PULL STATION
PT	POINT
PTD	PAPER TOWEL DISPENSER
PTDF	PRESSURE TREATED DOUGLAS FIR
PTN	PARTITION
PTR	PAPER TOWER RECEPTACLE
PUR	POLYURETHANE
PVC	POLYVINYL-CHLORIDE
PVMT	PAVEMENT
QT	QUARRY TILE
RAD	RADIUS
RAH	ROOF ACCESS HATCH
RB	RESILIENT BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDWD	REDWOOD
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCING
RES	RESILIENT
RGD	RIGID
RH	RIGHT HAND
RHMS	ROUND HEAD METAL SCREW
RHWS	ROUND HEAD WOOD SCREW
RO	ROUGH OPENING
RW	ROCK WOOL
RWL	RAIN WATER LEADER
S	SOUTH
SAB	SOUND ATTENUATING BATTS
SAD	SEE ARCHITECTURAL DRAWINGS
SAFF	SELF ADHERED FLEXIBLE FLASHING
SASM	SELF ADHERED SHEET MEMBRANE
SBLKG	SOLID BLOCKING
SC	SOLID CORE
SCD	SEE CIVIL DRAWINGS
SD	STORM DRAIN
SDISP	SOAP DISPENSER
SEAL	SEALANT
SECT	SECTION
SED	SEE ELECTRICAL DRAWINGS
SF	SQUARE FOOT (FEET)
SHR	SHOWER
SHT	SHEET
SHTF	SHEET FLOW
SHTG	SHEATHING
SIM	SIMILAR
SING	SINGLE
SL	SLIDING
SLD	SEE LANDSCAPE DRAWINGS
SLP	SLOPE
SMD	SEE MECHANICAL DRAWINGS
SMS	SHEET METAL SCREW
SOG	SLAB ON GRADE
SP	SOUNDPROOF
SPEC	SPECIFICATION
SQ	SQUARE
SS	SANITARY SEWER
SSD	SEE STRUCTURAL DRAWINGS
SSTL	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STO	STORAGE
STRUC	STRUCTURAL
STS	SELF-TAPPING SCREW
SUSP	SUSPENDED
T&B	TOP AND BOTTOM
T&G	TONGUE & GROOVE
TEL	TELEPHONE
TEMP	TEMPERED
TER	TERRAZZO
THK	THICK
TJ	TOOL JOINT
TKBD	TACKBOARD
TN	TOE NAIL
TO	TOP OF
TOC	TOP OF CURB
TOPL	TOP OF PLATE
TOPVMT	TOP OF PAVEMENT
TOS	TOP OF STEEL
TOSOG	TOP OF SLAB ON GRADE
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TPO	THERMOPLASTIC POLYOLEFIN
TRN	TRANSOM
TS	TUBE STEEL
TV	TELEVISION
TYP	TYPICAL
UNF	UNFINISHED
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VG	VERTICAL GRAIN
VIF	VERIFY IN FIELD
VT	VINYL TILE
VTR	VENT TO ROOF
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
W/O	WITHOUT
WAB	WATER RESISTIVE BARRIER
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WF	WASH FOUNTAIN
WH	WATER HEATER
WP	WATER PROOF
WR	WATER RESISTANT
WRB	WATER RESISTIVE BARRIER
WT	WEIGHT
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER
YD	YARD

SYMBOLS

1 / A	GRID LINE INDICATION: FACE OF, CENTER OF
EXAM ROOM / 101	ROOM IDENTIFICATION: ROOM NAME, ROOM NUMBER
CHSM	FURNITURE / EQUIPMENT IDENTIFICATION: FURNITURE / EQUIPMENT CODE
10 44 13	KEYNOTE & DRAWING NOTE IDENTIFICATION: REFERENCE KEYNOTE - SEE SCHEDULE ON SHEETS & SPECIFICATIONS
.013	DRAWING NOTE - SEE SCHEDULE ON SHEETS
1, 2, 3, 4 / A-251	ELEVATION: ELEVATION VIEW NUMBER, ELEVATION SHEET
A / A-301	SECTION: SECTION NUMBER, SECTION SHEET
23 / A-511	DETAIL: DETAIL NUMBER, DETAIL SHEET
101A	DOOR NUMBER: BY ROOM NUMBER - REFER TO DOOR SCHEDULE
6A	PARTITION TYPE INDICATOR: REFER TO PARTITION LEGEND
	WORK POINT: (CONTROL or DATUM POINT)
P1	FINISH INDICATOR: FINISH CODE
B	STOREFRONT / CURTAIN WALL TYPE INDICATOR: REFER TO STOREFRONT / CURTAIN WALL TYPES
6"	DIMENSIONS: STANDARD DIMENSION - FACE OF STUD WHERE APPLIED TO WALLS OR PARTITIONS, UNO
6"	FINISH TO FINISH DIMENSION - FACE OF GYP, OR DIMENSIONAL FINISH WHERE APPLIED TO WALLS OR PARTITIONS, UNO
"	INCHES
'	FEET
%	PERCENT
&	AND
+/-	PLUS OR MINUS
#	NUMBER
@	AT
>	GREATER THAN
<	LESS THAN
Ø	DIAMETER
°	DEGREE
∟	ANGLE
℄	CENTERLINE
PL	PROPERTY LINE
FL	FLOOR LINE

APPLICABLE CODES

BUILDING CODES AND STANDARDS as of January 1, 2023*

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR*

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
(2021 INTERNATIONAL BUILDING CODE, VOLUMES 1 & 2, AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
(2020 NATIONAL ELECTRICAL CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
(2021 IAPMO UNIFORM MECHANICAL CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
(2021 IAPMO UNIFORM PLUMBING CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR

2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
(2021 INTERNATIONAL FIRE CODE AND 2022 CALIFORNIA AMENDMENTS)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen), PART 11, TITLE 24 CCR

2022 CALIFORNIA REFERENCE STANDARDS CODE, PART 12, TITLE 24 CCR

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

NATIONAL REFERENCE STANDARDS

AISC 341-16 - SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS

AISC 358 - PREQUALIFIED CONNECTIONS STANDARD

AISC 360-16 - SPECIFICATION FOR STRUCTURAL STEEL BUILIDNGS

ANSI/AWC NDS-2018 - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH 2018 NDS SUPPLEMENT

SDPWS 2021 - SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC WITH COMMENTARY

ACI-318-19 - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

ASCE 7-16 - MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES (WITH SUPPLEMENT NO.1, 2, AND 3)

NFPA 04-21 - STANDARD FOR INTEGRATED FIRE PROTECTION AND LIFE SAFETY SYSTEM TESTING

NFPA 10-21 - STANDARD FOR PORTABLE FIRE EXTINGUISHERS

NFPA 13-22 - STANDARD FOR THE INSTALLATION OF FIRE SPRINKLERS (CA AMENDED)

NFPA 14-19 - STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (CA AMENDED)

NFPA 17-21 - STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS

NFPA 17A-21 - STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS

NFPA 20-19 - STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION

NFPA 24-19 - STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (CA AMENDED)

NFPA 25-13CA - CALIFORNIA NFPA 25 EDITION (BASED ON THE 2011 EDITION) INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS

NFPA 70-20 - NATIONAL ELECTRICAL CODE

NFPA 72-22 - NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)

NFPA 80-19 - STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES

NFPA 92-18 - STANDARD FOR SMOKE CONTROL SYSTEMS

NFPA 101-21 - LIFE SAFETY CODE

NFPA 105-19 - STANDARD FOR SMOKE DOOR ASSEMBLIES AND OTHER OPENING PROTECTIVES

NFPA 110-19 - STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS

NFPA 2001-18 - STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS (CA AMENDED)

UL 464-03 - AUDIBLE SIGNALING APPLIANCES - WITH REVISIONS THROUGH OCT 10, 2003

UL 521-99 - HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS - WITH REVISIONS THROUGH JULY 20, 2005

UL 1971 - STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED - 2002 (R2010)

ADA (AMERICANS WITH DISABILITIES ACT, 1990) 2010 EDITION

ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)

SUMMARY OF WORK

DEMOLITION OF TWO EXISTING BUILDINGS (ONE MODULAR, ONE WOOD FRAMED), AND THE CONSTRUCTION OF A NEW BUILDING AND ASSOCIATED SITE WORK INCLUDING A NEW FIRE HYDRANT.
OCCUPANCY: A-3, A-2, B (A OCCUPANCY GOVERNING)
CONSTRUCTION: Type VB
SPRINKLERS: YES
APPROX. 7,812 SQ. FT.

PROJECT TEAM

OWNER
NAPA VALLEY COLLEGE
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AUDIO-VISUAL
SALTER
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SAN FRANCISCO, CA 94104
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CONTACT: KEN GRAVEN

DEFERRED APPROVAL ITEMS:

1. CURTAIN WALL SYSTEMS
2. SLIDING GLASS WALL UNITS

FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA.

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SHEET TOTAL: 154

PROJECT NOTES

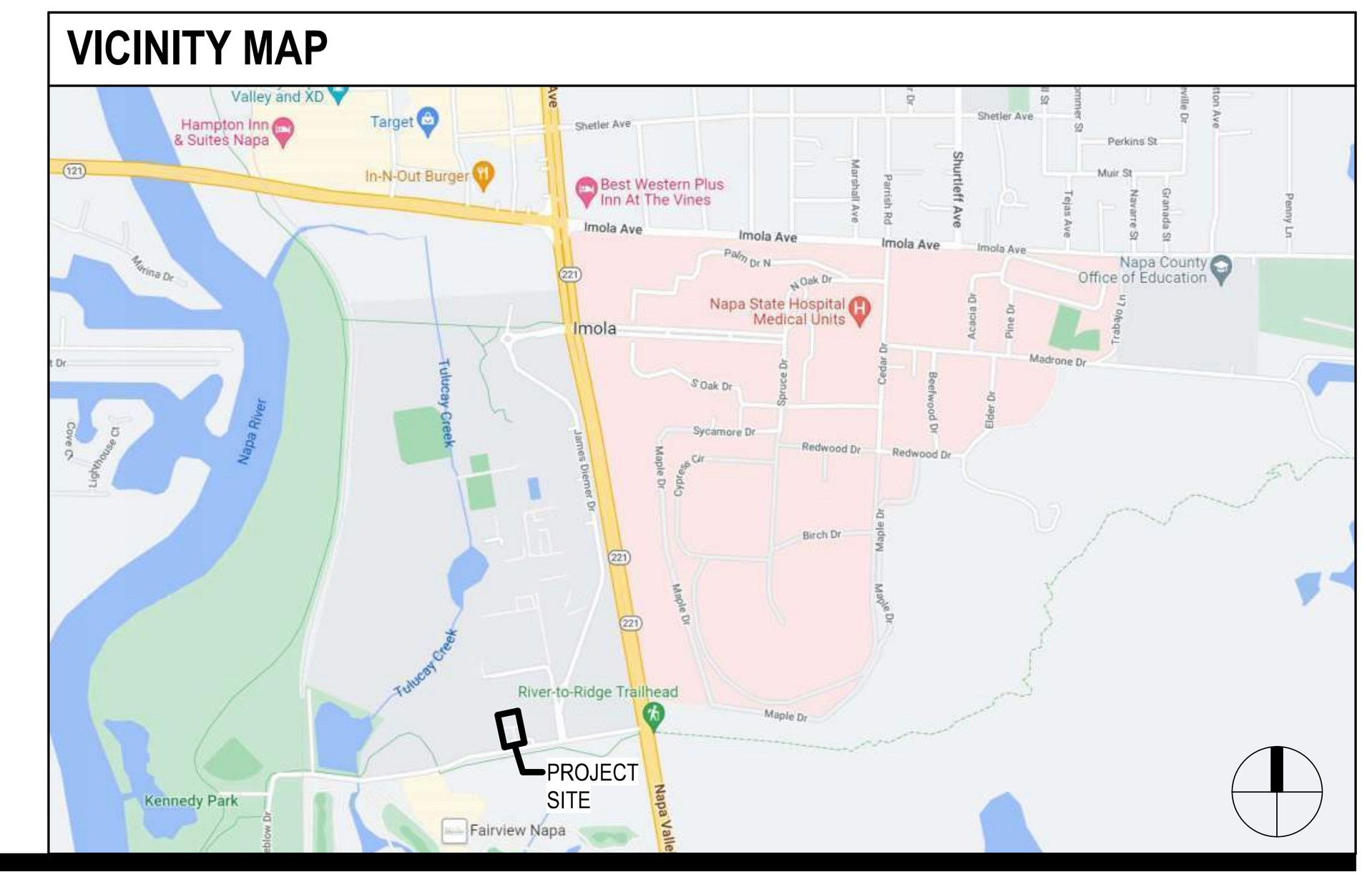
2022 CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 24, PART 1 ADMINISTRATIVE CODE REQUIREMENTS, CHAPTER 4 (PARTIAL LISTING ONLY)

1. A COPY OF CALIFORNIA CODE OF REGULATIONS, TITLE 24, PARTS 1 THROUGH 5, SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
2. ALL CONSTRUCTION CHANGE DOCUMENTS AND ADDENDA TO BE SIGNED BY THE ARCHITECT, STRUCTURAL ENGINEER (WHEN APPLICABLE), DELEGATED PROFESSIONAL ENGINEER, AND OWNER AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. CCR, TITLE 24, PART 1, SECTION 4-338 AND DSA IR A-6.
3. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF CCR, TITLE 24, PART 1, SECTION 4-335 AND APPROVED FORM DSA 103 "LIST OF REQUIRED STRUCTURAL INSPECTIONS AND SPECIAL INSPECTIONS.
4. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH CCR, TITLE 24, PART 1, SECTION 4-335 AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RE-TEST MAY BE BACK CHARGED TO THE CONTRACTOR, SEE SPECIFICATIONS.
5. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THEPLACEMENT OF CONCRETE PER CCR, TITLE 24, PART 1, SECTION 4-331.
6. A DSA "CERTIFIED" PROJECT INSPECTOR SHALL BE APPROVED BY DSA AND EMPLOYED BY THE OWNER. INSPECTION SHALL BE IN ACCORDANCE WITH CCR, TITLE 24, PART 1, SECTIONS 4-333(b) AND 4-342.
7. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH CCR, TITLE 24, PART 1, SECTION 4-334.
8. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS IN ACCORDANCE WITH CCR, TITLE 24, PART 1, SECTIONS 4-336 AND 4-343.
9. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH CCR, TITLE 24, PART 1, SECTIONS 4-333(a) AND 4-341.
10. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH CCR, TITLE 24, PART 1, SECTION 4-343.
11. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS, AS DESCRIBED IN THE SUMMARY OF WORK, IS TO BE IN ACCORDANCE WITH CCR, TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN FINISHED WORK WILL NOT COMPLY WITH CCR, TITLE 24, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK (SECTION 4-317(c), PART 1, TITLE 24, CCR).
12. COMPLIANCE WITH CFC CH 33 FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, AND CBC CH 33 SAFEGUARDS DURING CONSTRUCTION WILL BE ENFORCED. SEE ALSO SPECIFICATON DIV. 1.
13. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS CONSTRUCTION CHANGE DOCUMENTS OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION OR INSTALLATION, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
14. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURERS RECOMMENDATIONS.
15. PER CBC 11B-104.1 "ALL DIMENSIONS ARE SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES EXCEPT WHERE THE REQUIREMENT IS STATED AS A RANGE WITH SPECIFIC MINIMUM AND MAXIMUM END POINTS."
16. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
17. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
18. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
19. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
20. FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION WILL BE ENFORCED IN ACCORDANCE WITH CBC & CFC CHAPTER 33.

ENERGY CODE NOTES:

1. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
2. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).
3. MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
4. ENVELOPE AND PROCESS EQUIPMENT ACCEPTANCE TESTS SHALL PERFORMED BY THE INSTALLING CONTRACTOR, ENGINEER/ARCHITECT OF RECORD OR THE OWNER'S AGENT.
5. A LISTING OF CERTIFIED ATT CAN BE FOUND AT: https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program/acceptance
6. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
7. PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

VICINITY MAP



3/5/2024 5:54:27 PM

AGENCY APPROVAL STAMP:
APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/20/2024

TLCDARCHITECTURE
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tlcd.com

CONSULTANT:

STAMP:
LICENSED ARCHITECT
CARL SERVAIS
C-32941
REN:12/31/25
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
1	3/6/24	ADDENDUM 1

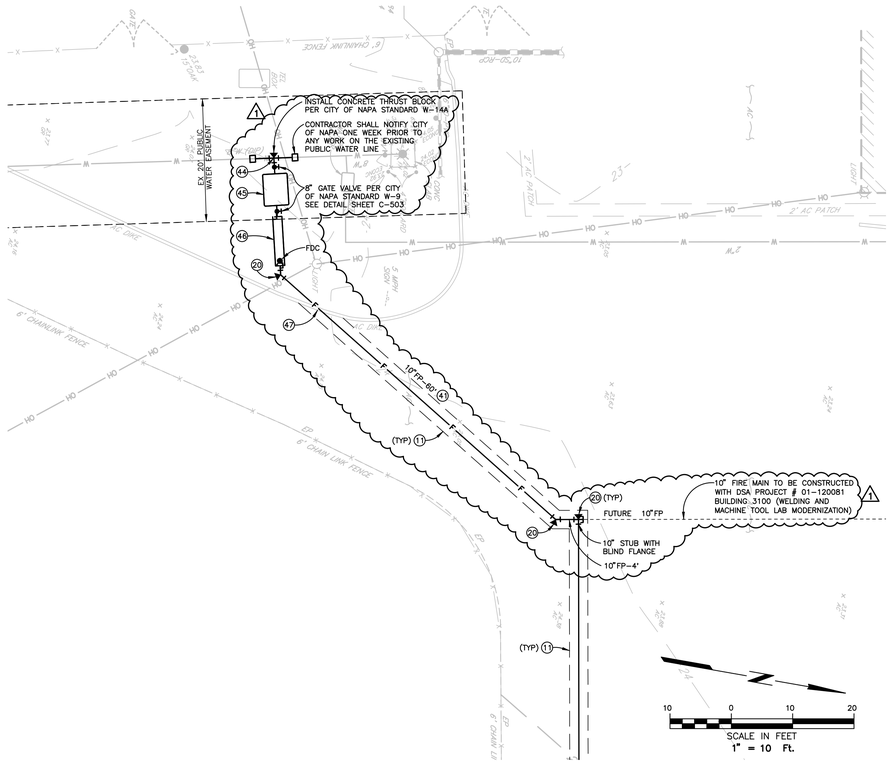
NAPA VALLEY COLLEGE WINE EDUCATION CENTER
2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

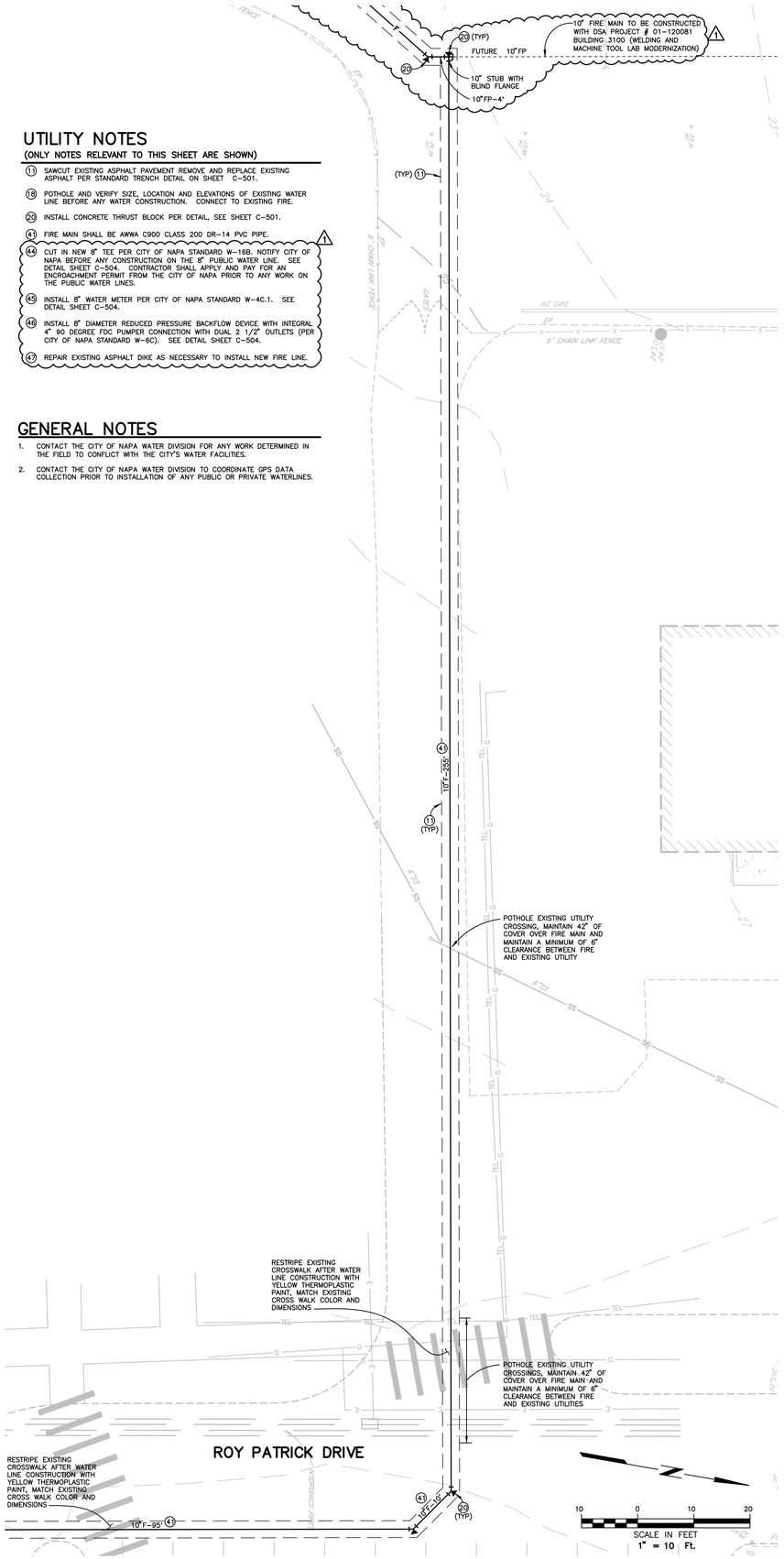
DSA APPLICATION NUMBER: 01-120890
TLCD PROJECT NUMBER: 21062.00
DATE: 04/12/2023

TITLE SHEET

G-001



SEE ABOVE RIGHT



SEE SHEET C-102

UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

(11) SAWCUT EXISTING ASPHALT PAVEMENT REMOVE AND REPLACE EXISTING ASPHALT PER STANDARD TRENCH DETAIL ON SHEET C-501.

(18) POTHOLE AND VERIFY SIZE, LOCATION AND ELEVATIONS OF EXISTING WATER LINE BEFORE ANY WATER CONSTRUCTION. CONNECT TO EXISTING FIRE.

(20) INSTALL CONCRETE THRUST BLOCK PER DETAIL, SEE SHEET C-501.

(41) FIRE MAIN SHALL BE AWWA C900 CLASS 200 DR-14 PVC PIPE.

(44) CUT IN NEW 8" TEE PER CITY OF NAPA STANDARD W-16B. NOTIFY CITY OF NAPA BEFORE ANY CONSTRUCTION ON THE 8" PUBLIC WATER LINE. SEE DETAIL SHEET C-504. CONTRACTOR SHALL APPLY AND PAY FOR AN ENCROACHMENT PERMIT FROM THE CITY OF NAPA PRIOR TO ANY WORK ON THE PUBLIC WATER LINES.

(45) INSTALL 8" WATER METER PER CITY OF NAPA STANDARD W-4C.1. SEE DETAIL SHEET C-504.

(46) INSTALL 8" DIAMETER REDUCED PRESSURE BACKFLOW DEVICE WITH INTEGRAL 4" 90 DEGREE FDC PUMPER CONNECTION WITH DUAL 2 1/2" OUTLETS (PER CITY OF NAPA STANDARD W-6C). SEE DETAIL SHEET C-504.

(47) REPAIR EXISTING ASPHALT DIKE AS NECESSARY TO INSTALL NEW FIRE LINE.

GENERAL NOTES

1. CONTACT THE CITY OF NAPA WATER DIVISION FOR ANY WORK DETERMINED IN THE FIELD TO CONFLICT WITH THE CITY'S WATER FACILITIES.
2. CONTACT THE CITY OF NAPA WATER DIVISION TO COORDINATE GPS DATA COLLECTION PRIOR TO INSTALLATION OF ANY PUBLIC OR PRIVATE WATERLINES.

GRADING NOTES

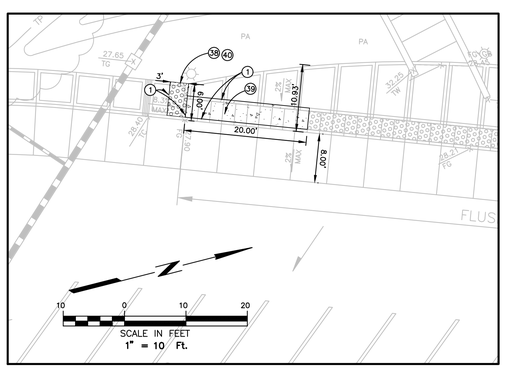
(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

(1) SAWCUT AND MATCH EXISTING IMPROVEMENTS.

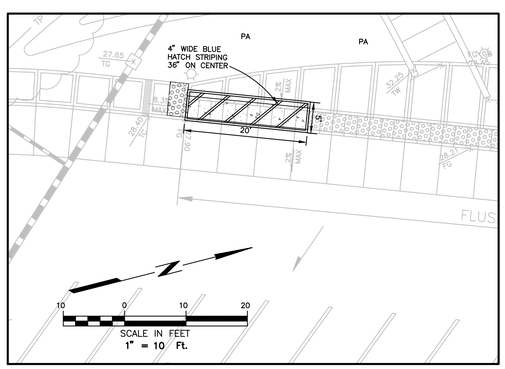
(38) INSTALL EMBEDDED DETECTABLE WARNING SURFACE PER DETAIL SHEET C-502.

(39) SAWCUT AND REMOVE EXISTING DETECTABLE WARNING SURFACE AND CONCRETE. INSTALL NEW CONCRETE PER PEDESTRIAN PCC WALK SECTION DETAIL SHEET C-501, MATCH EXISTING SURROUNDING CONCRETE COLOR AND FINISH.

(40) SAWCUT REMOVE EXISTING CONCRETE, INSTALL NEW CONCRETE PER PEDESTRIAN PCC WALK SECTION DETAIL SHEET C-501. INSTALL 3' WIDE EMBEDDED DETECTABLE WARNING SURFACE PER DETAIL SHEET C-502.



GRADING PLAN



STRIPING PLAN

ACCESSIBLE DROP OFF AREA EAST
(REFERENCE ARCHITECTURAL PLAN SHEET G-002)

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/20/2024

AGENCY APPROVAL STAMP:

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CONSULTANT:

Brelje & Race
CONSULTING ENGINEERS
475 Aviation Boulevard, Suite 120
Santa Rosa, CA 95403
v: 707-576-1322
f: 707-576-0469
www.brce.com

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REGISTERED PROFESSIONAL ENGINEER
PAUL T. BARTICH
No. 40512
Exp. 3-31-25
CIVIL
STATE OF CALIFORNIA

3-6-24

REVISIONS:

Number	Date	Description
1	3/6/24	ADDENDUM 1

NAPA VALLEY COLLEGE WINE EDUCATION CENTER
2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062/2701.17

DATE:
8/30/2023

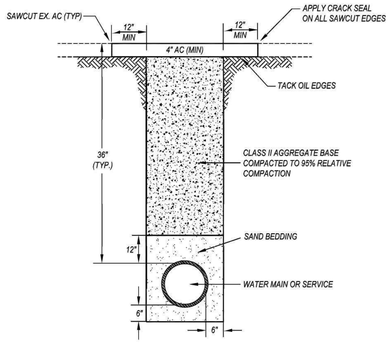
DRAWN BY:
PIT

CHECKED BY:
RG

PHASE 1 UTILITY PLAN FIRE LINE & EAST DROP OFF AREA

C-103

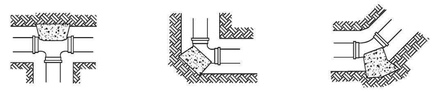
TAB: C-103 UTIL WEST PH1
03-06-24 gleeson \2701\dwg\2701 17\2701-17 PLAN.dwg



NOTES

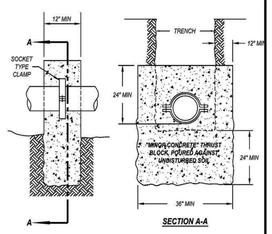
1. TRENCHES MADE WITHIN 5' PARALLEL TO AN EXISTING GUTTER OR EDGE OF ROAD WILL REQUIRE REMOVAL AND REPLACEMENT OF EXISTING AC PAVING TO EDGE.
2. IF UTILITY CONFLICTS REQUIRE OFFSET OF NEW OR EXISTING WATER MAINS OR WATER SERVICES, WATER FACILITIES SHALL NOT BE INSTALLED WITH LESS THAN 2-FEET COVER.
3. POTHOLES SHALL BE BACKFILLED WITH CONTROLLED DENSITY FILL INSTEAD OF CLASS II AGGREGATE BASE. SAND BEDDING SHALL STILL BE REPLACED BACK OVER WATER MAIN AS SHOWN.

CITY OF NAPA	PUBLIC WORKS DEPARTMENT		
TITLE: WATER TRENCH DETAIL	DRAWN BY: DCF	CHECKED BY: MJH	
	DATE: 07/2017	APPROVED BY: MJH	
	SCALE: NTS	DRAWING NO. W-13A	
	FIELD NOTES:		



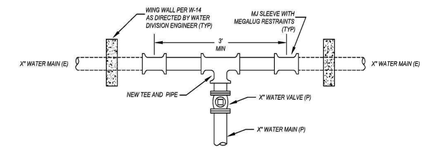
NOTES

1. DETAILS ON THIS SHEET ARE FOR WATER MAINS 8" IN DIAMETER AND SMALLER. SEE W-14B FOR RESTRAINT REQUIREMENTS FOR 12" AND LARGER WATER MAINS.
2. "MINOR CONCRETE" PER SECTION 90 OF THE CALTRANS STANDARDS, WITH 3/4" AGGREGATE, SHALL BE USED FOR THRUST BLOCKS AND WINGWALLS. CONCRETE SHALL BE POURED AGAINST UNDISTURBED SOIL AND BARE PIPE.
3. FOR ADDITIONAL RESTRAINT DETAILS, SEE W-14B. FOR WATER MAIN OFFSET AND JOINT DEFLECTION DESIGN REQUIREMENTS, SEE W-15.
4. FIELD LOK GASKETS SHALL BE USED, INSTEAD OF THRUST BLOCKS, FOR RESTRAINING WATER MAINS WITH LESS THAN STANDARD COVER (PER W-12), AND WATER MAINS WITHIN STEEL CASINGS.
5. CONCRETE RESTRAINTS SHALL BE CURED FOR A MINIMUM OF 7 DAYS (OR REACH A MINIMUM 75% OF THE FINAL CURE STRENGTH) PRIOR TO INSTALLATION OF OFFSET ON EXISTING WATER FACILITIES, OR ACTIVATION OF NEW WATER FACILITIES.

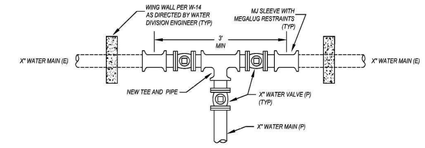


WINGWALL DETAIL FOR BLOW-OFFS, VERTICAL, AND HORIZONTAL OFFSETS

CITY OF NAPA	PUBLIC WORKS DEPARTMENT		
TITLE: THRUST BLOCKS AND WINGWALLS	DRAWN BY: DCF	CHECKED BY: MJH	
	DATE: 07/2017	APPROVED BY: MJH	
	SCALE: NTS	DRAWING NO. W-14A	
	FIELD NOTES:		



WATER SERVICE TEE

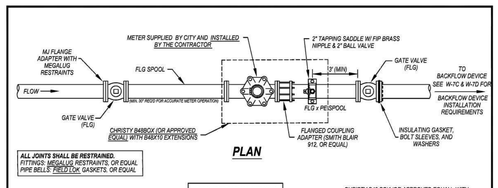


WATER DISTRIBUTION MAIN TEE

NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING WATER CUSTOMERS AFFECTED BY A WATER SHUT-OFF A MINIMUM OF 48 HOURS (2 WORKING DAYS) IN ADVANCE. CITY PERSONNEL SHALL OPERATE EXISTING VALVES ON THE WATER SYSTEM. CONTRACTOR TO PROVIDE A MINIMUM OF 48 HOUR (2 WORKING DAYS) NOTICE FOR CITY PERSONNEL BY CALLING 707-257-9544 TO SCHEDULE SHUTDOWN.

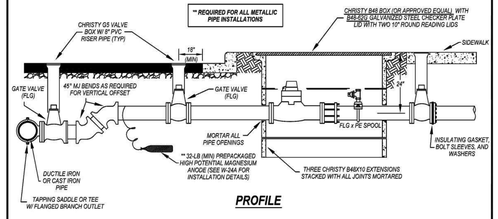
CITY OF NAPA	PUBLIC WORKS DEPARTMENT		
TITLE: WATER SERVICE / DISTRIBUTION MAIN TIE-IN	DRAWN BY: DCF	CHECKED BY: MJH	
	DATE: 07/2017	APPROVED BY: MJH	
	SCALE: NTS	DRAWING NO. W-16B	
	FIELD NOTES:		



PLAN

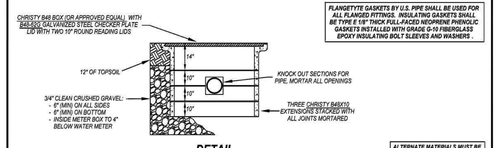
ALL JOINTS SHALL BE RESTRAINED. FITTINGS: MEGALUG RESTRAINTS, OR EQUAL. PIPE BELLS: FIELDLOK GASKETS, OR EQUAL

** REQUIRED FOR ALL METALLIC PIPE INSTALLATIONS



PROFILE

FLANGETYTE GASKETS BY U.S. PIPE SHALL BE USED FOR ALL FLANGED FITTINGS. INSULATING GASKETS SHALL BE TYPE E 1/8" THICK FULL-FACED NEOPRENE PHENOLIC GASKETS INSTALLED WITH GRADE G-10 FIBERGLASS EPOXY INSULATING BOLT SLEEVES AND WASHERS .

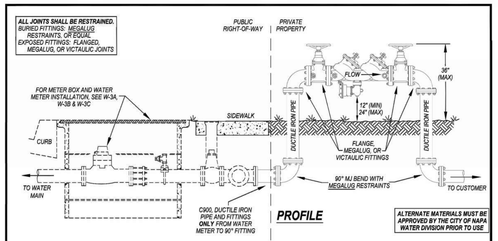


DETAIL
METER BOX INSTALLATION

ALTERNATE MATERIALS MUST BE APPROVED BY THE CITY OF NAPA WATER DIVISION PRIOR TO USE

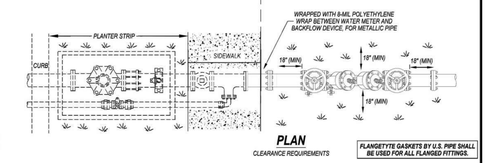
CITY OF NAPA	PUBLIC WORKS DEPARTMENT		
TITLE: METERED FIRE SERVICE - WITH PRIVATE HYDRANTS	DRAWN BY: DCF	CHECKED BY: MJH	
	DATE: 07/2017	APPROVED BY: MJH	
	SCALE: NTS	DRAWING NO. W-4C.1	
	FIELD NOTES:		

ALL JOINTS SHALL BE RESTRAINED. BURIED FITTINGS: MEGALUG RESTRAINTS, OR EQUAL. EXPOSED FITTINGS: FLANGED, MEGALUG, OR VICTAULIC JOINTS



PROFILE

ALTERNATE MATERIALS MUST BE APPROVED BY THE CITY OF NAPA WATER DIVISION PRIOR TO USE



PLAN
CLEARANCE REQUIREMENTS

FLANGETYTE GASKETS BY U.S. PIPE SHALL BE USED FOR ALL FLANGED FITTINGS.

CITY OF NAPA	UTILITIES DEPARTMENT		
TITLE: EXTERIOR REDUCED PRESSURE BACKFLOW DEVICE INSTALLATION FOR 3" TO 8" WATER SERVICES (SEE NOTE 1)	DRAWN BY: DF	CHECKED BY: SL	
	APPROVAL DATE: 09/2021	APPROVED BY: DD	
	SCALE: NTS	DRAWING NO. W-6C.1	
	REVISED DATE: 09/2021		

NOTES

1. THIS STANDARD APPLIES TO COMMERCIAL/INDUSTRIAL/MULTI-FAMILY/IRRIGATION SERVICES OR AS REQUIRED BY THE CITY OF NAPA'S CROSS CONNECTION SPECIALIST AFTER COMPLETING A CROSS CONNECTION CONTROL SURVEY. PROPERTIES UTILIZING RECYCLED WATER SHALL INSTALL REDUCED PRESSURE BACKFLOW DEVICES ON ALL SERVICES UNLESS OTHERWISE APPROVED BY THE CITY OF NAPA'S CROSS CONNECTION SPECIALIST.
2. **ABOVE GROUND INSTALLATION IS MANDATORY** FOR REDUCED PRESSURE BACKFLOW DEVICES.
3. BACKFLOW DEVICE MUST BE INSTALLED BEHIND THE BACK OF SIDEWALK OUTSIDE OF THE PUBLIC RIGHT-OF-WAY AND PROTECTED FROM TRAFFIC HAZARDS, EITHER BY LOCATION OR BARRIERS.
4. BACKFLOW DEVICE CAN BE INSTALLED WITHIN A BUILDING IN A DEDICATED UTILITY CLOSET IF THE BUILDING IS LOCATED WITHIN 20-FT OF THE PUBLIC RIGHT-OF-WAY, THE BACKFLOW DEVICE IS PLACED AT THE CORNER OF THE BUILDING CLOSEST TO THE PUBLIC RIGHT-OF-WAY WHERE THE CONNECTION IS MADE, AND WITH THE APPROVAL FROM THE UTILITIES - WATER DIVISION (SEE W-6B FOR INTERNAL INSTALLATION REQUIREMENTS).
5. NO CONNECTIONS ARE ALLOWED BETWEEN THE WATER METER AND THE BACKFLOW ASSEMBLY, OR DIRECTLY TO THE BACKFLOW DEVICE. A THERMAL EXPANSION RELIEF VALVE SHALL BE INSTALLED BETWEEN BACKFLOW DEVICE AND WATER HEATERS BEING SERVED.
6. ALL PARTS MUST BE EASILY ACCESSIBLE FOR INSPECTION BY THE UTILITIES - WATER DIVISION.
7. ANY OTHER LOCATION OR METHOD OF INSTALLATION MUST BE APPROVED IN ADVANCE BY THE UTILITIES - WATER DIVISION.
8. ALL BURIED SECTIONS OF METALLIC PIPE AND FITTINGS BETWEEN THE WATER METER AND THE BACKFLOW DEVICE SHALL BE WRAPPED WITH 8-MIL POLYETHYLENE WRAP. WRAPPING METALLIC PIPE AND FITTINGS BEYOND THE BACKFLOW DEVICE IS RECOMMENDED, BUT NOT REQUIRED.
9. INSTALLATION MUST BE APPROVED BY THE UTILITIES - WATER DIVISION AND THE DEVICE TESTED BY A CITY APPROVED AWWA CERTIFIED BACKFLOW TESTER BEFORE WATER IS TURNED ON.
10. REDUCED PRESSURE BACKFLOW DEVICES MUST BE APPROVED BY THE STATE WATER RESOURCES CONTROL BOARD AND THE UNIVERSITY OF SOUTHERN CALIFORNIA (USC) HYDRAULIC RESEARCH SECTION. FOR USC'S FOUNDATION LIST OF APPROVED DEVICES GO TO HTTPS://FCCCHR.USC.EDU/LIST.HTML.
11. NO TREES SHALL BE PLANTED WITHIN 10-FT, OR LARGE SHRUBS WITHIN 5-FT, OF REDUCED PRESSURE BACKFLOW DEVICE.
12. APPROVED BACKFLOW PREVENTION DEVICES SHALL BE INSTALLED AND TESTED AND WATER METERS SHALL BE SET, PRIOR TO ANY USE OF WATER SERVICE. USE OF JUMPERS, HOSE BIBS, OR OTHER DEVICES SHALL NOT BE PERMITTED.
13. THE VISUAL IMPACT OF BACKFLOW DEVICES SHOULD BE CONSIDERED IF NOT PLACED WITHIN A UTILITY CLOSET.

CITY OF NAPA	UTILITIES DEPARTMENT		
TITLE: EXTERIOR REDUCED PRESSURE BACKFLOW DEVICE INSTALLATION FOR 3" TO 8" WATER SERVICES (SEE NOTE 1)	DRAWN BY: DF	CHECKED BY: SL	
	APPROVAL DATE: 09/2021	APPROVED BY: DD	
	SCALE: NTS	DRAWING NO. W-6C.2	
	REVISED DATE: 09/2021		

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STAMP:

REVISIONS:

Number	Date	Description
1	3/6/24	ADDENDUM 1

NAPA VALLEY COLLEGE WINE EDUCATION CENTER
2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062/2701.17

DATE:
8/30/2023

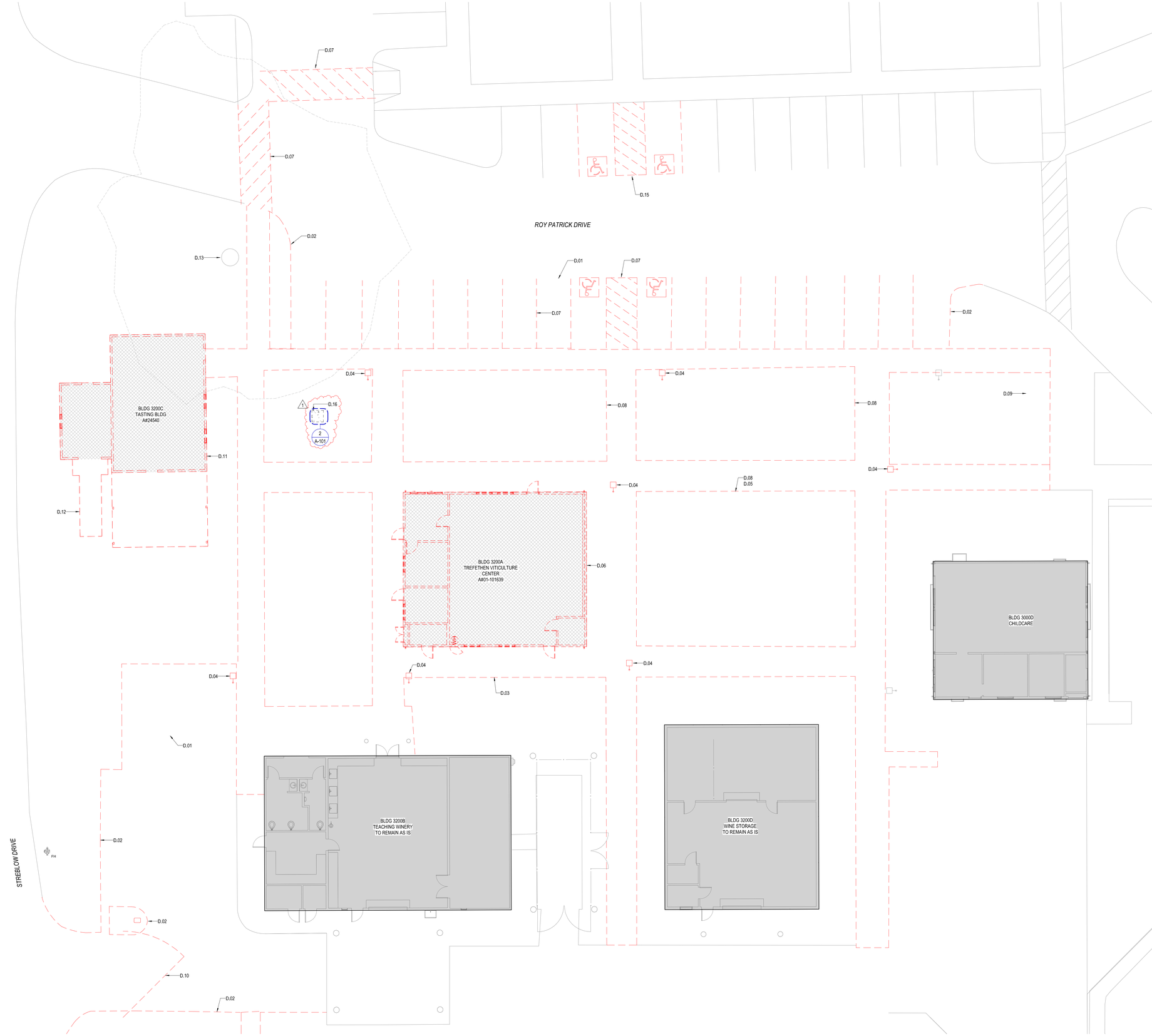
DRAWN BY:
PIT

CHECKED BY:
RG

DETAILS

C-504

03-06-24 gleason \2701\dwg\2701 17\2701.17 DETAIL.dwg TAB: C-504 DETAILS



1 PARTIAL SITE PLAN - DEMOLITION

1" = 10'-0"

GENERAL DEMOLITION NOTES:

A. SEE G-002 FOR ADDITIONAL DEMOLITION WORK REQUIRED AT PASSENGER DROP-OFF AREA.

DEMOLITION DRAWING NOTES

D.01	REMOVE (E) PAVING AS REQUIRED FOR NEW WORK, SCD
D.02	REMOVE (E) CONCRETE CURB, SCD
D.03	REMOVE (E) CONCRETE FLATWORK, SCD TYP
D.04	REMOVE (E) LIGHT STANDARD AND CONCRETE BASE, SED FOR ASSOCIATED WORK, TYP
D.05	REMOVE (E) TREES, PLANTINGS AND ASSOCIATED IRRIGATION, SLD
D.06	REMOVE (E) MODULAR BUILDING, FOUNDATION SYSTEM AND ASSOCIATED UTILITIES
D.07	REMOVE (E) PAVEMENT MARKINGS
D.08	REMOVE (E) RAISED PLANTER(S), TYP
D.09	AREA OF (N) TRANSFORMER INSTALLATION, SCD & SED FOR ASSOCIATED WORK
D.10	REMOVE (E) GATE AND ASSOCIATED HARDWARE
D.11	(E) BUILDING, FOUNDATION AND UTILITIES TO BE REMOVED AS PART OF PHASE 1 WORK. (E) UTILITIES TO BE CAPPED, SCD
D.12	(E) CONCRETE FLATWORK, LANDSCAPING, IRRIGATION, UTILITIES, ETC ASSOCIATED WITHIN THE PHASE 2 AREA TO BE REMOVED AS REQUIRED FOR PHASE 2 PAD PREPARATION
D.13	(E) OAK TREE. PROTECT DURING CONSTRUCTION, SLD
D.15	REMOVE PAVING AT REWORKED ACCESSIBLE PARKING, SCD
1 D.16	SALVAGE AND CRATE (E) ART SCULPTURE, DELIVER TO COLLEGE MAINTENANCE FACILITY ON SITE

2 ART SCULPTURE

12" = 1'-0"

3/5/2024 5:54:29 PM

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/20/2024

AGENCY APPROVAL STAMP

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REN:12/31/25
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
1	3/6/24	ADDENDUM 1

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

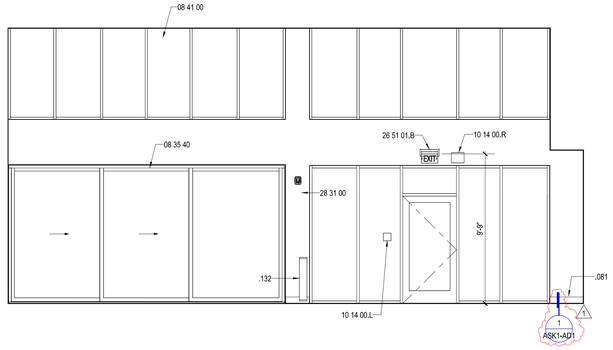
DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

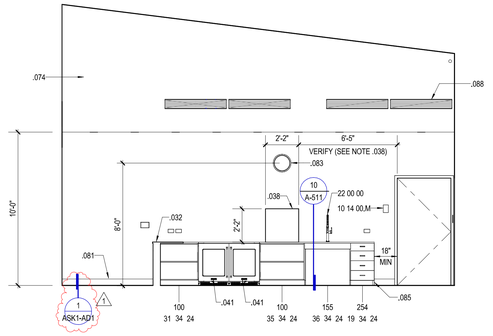
PARTIAL SITE PLAN - DEMOLITION WORK

A-101



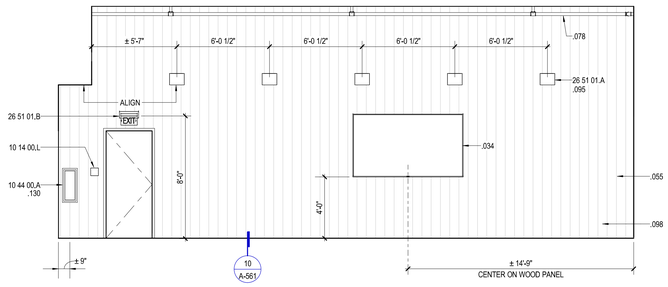
6A 116 HOSPITALITY - NORTH

1/4" = 1'-0"



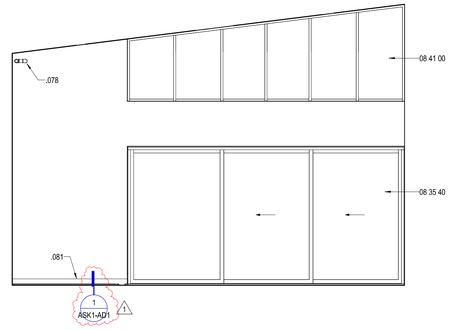
6B 116 HOSPITALITY - EAST

1/4" = 1'-0"



6C 116 HOSPITALITY - SOUTH

1/4" = 1'-0"



6D 116 HOSPITALITY - WEST

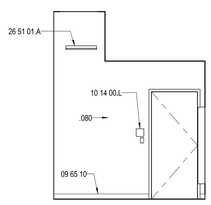
1/4" = 1'-0"

REFERENCE KEYNOTE

05 50 00.A	METAL FABRICATIONS - LADDER
08 35 40	SLIDING ALUMINUM AND GLASS WALLS
08 41 00	ENTRANCES AND STOREFRONTS
09 65 10	RESILIENT BASE AND ACCESSORIES
10 14 00.L	SIGNAGE - EXIT, SEE 20L/A-511
10 14 00.M	SIGNAGE - ROOM SIGNAGE, SEE 20M/A-511
10 14 00.R	SIGNAGE - MAXIMUM OCCUPANCY 181
10 44 00.A	FIRE PROTECTION CABINET - SEMI-RECESSED
12 36 61	SOLID SURFACING COUNTERTOPS - 1" EPOXY RESIN
22 00 00	PLUMBING FIXTURE, SPD
26 51 01.A	LIGHTING FIXTURE (TYP), SED
26 51 01.B	EMERGENCY LIGHTING - EXIT SIGN (TYP), SED
28 31 00	FIRE DETECTION AND ALARM, SFED

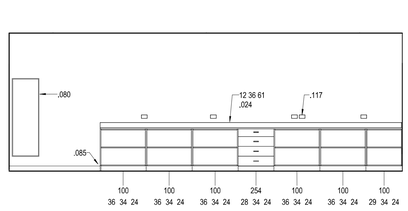
DRAWING NOTES

.024	EPOXY RESIN COUNTERTOP WITH 3/4" EPOXY RESIN SIDE / BACKSPLASH
.031	1/4" BLACKENED STEEL PLATE PANELS WITH BLACK PAN HEAD FASTENERS
.032	RICHLITE STRATUM 1" THICK COUNTERTOP - BAMBOO BLACK DIAMOND LEATHERED FINISH
.033	CUSTOM FABRICATED BLACKENED STEEL FOOT RAIL WITH POST EPOXY SET INTO CONCRETE FLOOR
.034	4' X 8' DRY ERASE WHITEBOARD WITH TRAY
.038	CABINET DOOR PANEL WITH VERTICAL SLIDING DOOR HARDWARE. CUSTOM COLOR DOOR PANEL TO MATCH WALL. CENTER OPENING ON CABINET BELOW
.041	UNDERCOUNTER WINE COOLER TO FIT UNDER ADA COUNTER HEIGHT, SED FOR ASSOCIATED WORK
.042	UNDER COUNTER COMMERCIAL GRADE GLASSWARE WASHER, CFCI. MIELE PROFESSIONAL PG 8061 U, 208V, STAINLESS STEEL FINISH WITH GLASSWARE BASKETS. CONFIRM ACCESSORIES WITH COLLEGE REPRESENTATIVE. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO PURCHASE. SED & SPD FOR ASSOCIATED WORK
.055	5/8 X 8 SAS VERTICAL GRAIN DOUGLAS FIR BOARDS OVER 5/8" PLYWD SHTHG - ALIGN JOINTS WITH CEILING BOARDS. FINISH WITH CLEAR SATIN POLYURETHANE COATING (SPRAY APPLIED)
.074	ACOUSTICAL WALL PANEL (WP-1) AT +10'-0" TO SLOPED CEILING THIS WALL
.078	EXPOSED FIRE SPRINKLER LINES, HANGERS, ETC TO BE PAINTED WITH HIGH PERFORMANCE COATING TO MATCH SW 7069 IRON ORE
.080	ELECTRICAL, PANEL, SED
.081	5" X 1/2" WOOD BASE - PAINT TO MATCH WALL. SATIN FINISH
.083	CLOCK TO MATCH CAMPUS STANDARD. SED. CENTER ON OPENING BELOW
.085	CABINET END PANEL WITHOUT TOE KICK - TYP AT ALL CONDITIONS WHERE CABINET IS NOT AGAINST A WALL
.088	MECHANICAL REGISTER - SMD, TYP
.095	LIGHT FIXTURES CENTERED ON WOOD PANEL, TYP
.098	OUTLETS, SWITCHES FACEPLATES, ETC AT WOOD WALL TO BE BLACK FINISH. ALL OTHER LOCATIONS WHITE
.110	COUNTERTOP SUPPORT BRACKET, TYP OF (5), CENTER AT PANEL JOINT EXCEPT AT ENDS CENTER ON SCREW LINE BELOW
.117	ELECTRICAL AND/OR DATA OUTLETS, SED
.127	WRAP EXPOSED DIMENSIONAL WOOD LEDGER IN GYP BD AND PAINT TO MATCH SURROUND
.130	CENTER CABINET ON WOOD PANELING JOINT
.132	LOW ENERGY DOOR ACTUATOR, SED FOR ASSOCIATED WORK & DTL 19/A-522



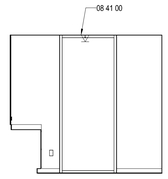
7A 117 PREP - NORTH

1/4" = 1'-0"



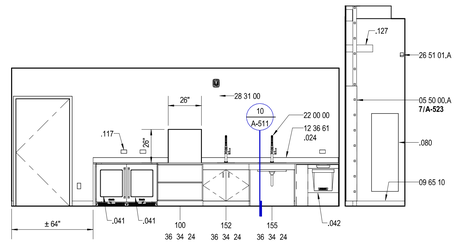
7B 117 PREP - EAST

1/4" = 1'-0"



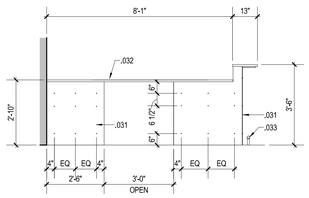
7C 117 PREP - SOUTH

1/4" = 1'-0"



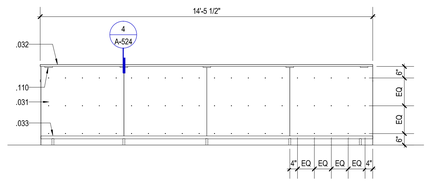
7D 117 PREP - WEST

1/4" = 1'-0"



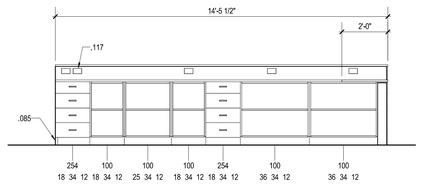
8A 116 HOSPITALITY BAR - NORTH

3/8" = 1'-0"



8B 116 HOSPITALITY BAR - EAST

3/8" = 1'-0"



8C 116 HOSPITALITY BACK BAR - WEST

3/8" = 1'-0"

3/6/2024 5:54:34 PM

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/20/2024

AGENCY APPROVAL STAMP

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STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
1	3/6/24	ADDENDUM 1

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

INTERIOR ELEVATIONS - PHASE 2

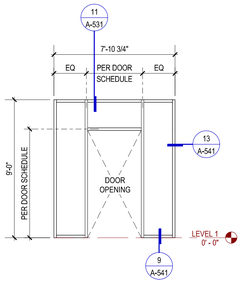
A-253

STOREFRONT / CURTAIN WALL TYPES:

NOTE: ALL GLAZING (INTERIOR AND EXTERIOR) IS 1-INCH INSULATED AND TEMPERED.

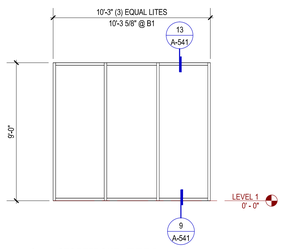
ALL OPENINGS TO BE FIELD MEASURED PRIOR TO SHOP DRAWINGS AND FABRICATION.

STOREFRONT MANUFACTURER TO DETERMINE IMPLEMENTATION OF DEFLECTION HEAD TRACK AT STOREFRONT WITH STEEL BEAM(S) ABOVE WITH 1/2" DEFLECTION.



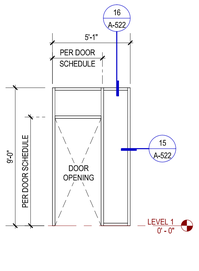
1 **STOREFRONT - TYPE A**

1/4" = 1'-0"



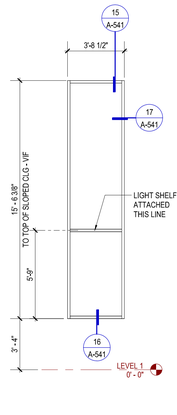
2 **STOREFRONT - TYPE B**

1/4" = 1'-0"



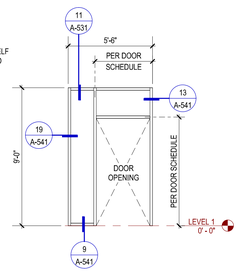
3 **STOREFRONT - TYPE C**

1/4" = 1'-0"



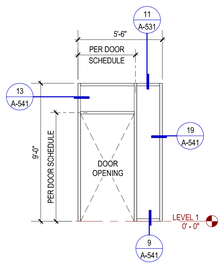
4 **CURTAIN WALL - TYPE D**

1/4" = 1'-0" LOW-IRON GLAZING



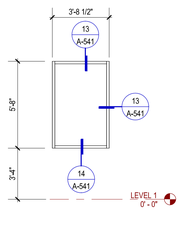
5 **STOREFRONT - TYPE E**

1/4" = 1'-0"



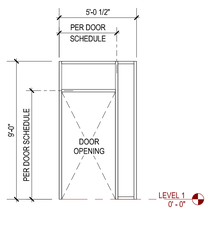
6 **STOREFRONT - TYPE F**

1/4" = 1'-0"



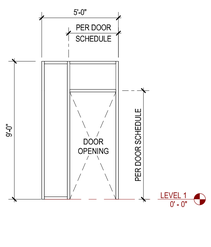
7 **STOREFRONT - TYPE G**

1/4" = 1'-0" LOW-IRON GLAZING



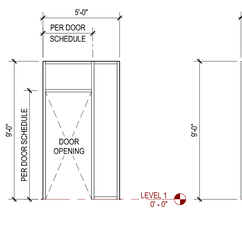
8 **STOREFRONT - TYPE H**

1/4" = 1'-0"



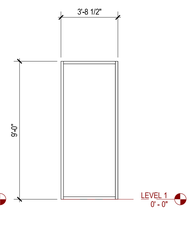
9 **STOREFRONT - TYPE J**

1/4" = 1'-0"



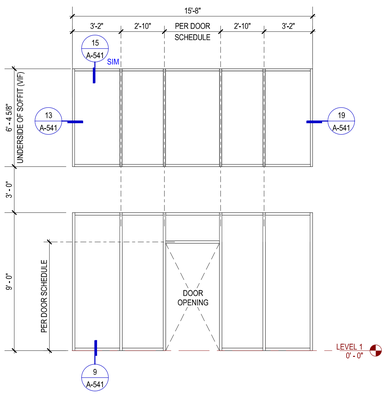
10 **STOREFRONT - TYPE K**

1/4" = 1'-0"



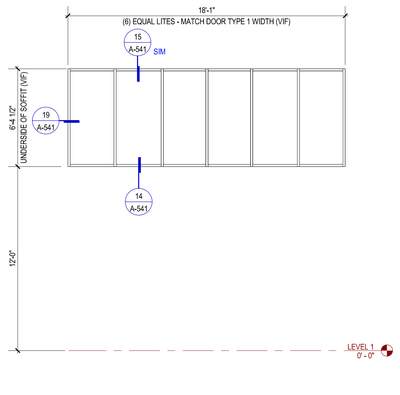
11 **STOREFRONT - TYPE Q**

1/4" = 1'-0"



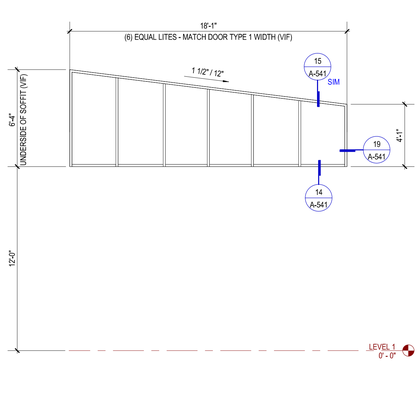
12 **STOREFRONT - TYPE L, M (UPPER)**

1/4" = 1'-0"



13 **STOREFRONT - TYPE N**

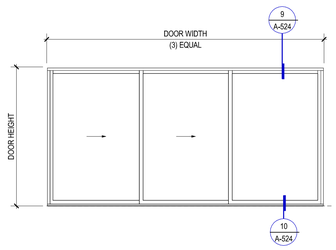
1/4" = 1'-0"



14 **STOREFRONT - TYPE P**

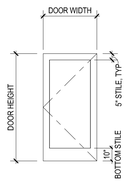
1/4" = 1'-0"

DOOR & FRAME TYPES:



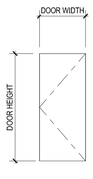
15 **DOOR TYPE 1 - SLIDING GLASS WALL**

1/4" = 1'-0"



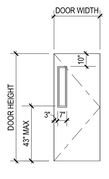
16 **DOOR TYPE 2 - STOREFRONT**

1/4" = 1'-0"



17 **DOOR TYPE 3 - FLUSH**

1/4" = 1'-0"



18 **DOOR TYPE 4 - FLUSH VISION**

1/4" = 1'-0"

19 **FRAME TYPE A - HOLLOW MTL**

1/4" = 1'-0"

20 **FRAME TYPE B - STOREFRONT**

1/4" = 1'-0"

ROOM FINISH SCHEDULE - PHASE 1

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FINISH	COMMENTS
101	HALL	T-3	B-1	P-1	P-1	P-1	P-1	AC-1	
102	OFFICE	CPT-1	B-1	P-1	P-1	P-1	P-1	AC-1	
103	OFFICE	CPT-1	B-1	P-1	P-1	P-1	P-1	AC-1	
104	WINE LAB	RF-1	B-1	P-2/WP-1	P-2	P-2/WP-1	P-2/WP-1	WD-1 / AC-1	WP-1 FINISH AT WEST WALL AT BULKHEAD BELOW SLOPED CEILING
105	LAB PREP	RF-1	B-1	P-2	P-2	P-2	P-2	PGB-1	
106	MECH	C-2	B-1	P-2	P-2	P-2	P-2	PGB-1	
107	WOMEN	T-1	B-2	T-2	T-2	T-2	T-2	PGB-1	
108	MEN	T-1	B-2	T-2	T-2	T-2	T-2	PGB-1	
109	TOILET	T-1	B-2	T-2	T-2	T-2	T-2	PGB-1	
110	CUST	C-2	B-1	P-2	P-2	P-2	P-2	PGB-1	FRP AT MOP SINK - SEE INTERIOR ELEVATIONS
111	ELEC	C-1	B-1	P-2	P-2	P-2	P-2	PGB-1	
112	BDF	RF-2	B-1	P-2	P-2	P-2	P-2	PGB-1	
113	SENSORY CLASSROOM	RF-1	B-1	P-2/WP-1	P-2/WP-1	P-2/WP-1	P-1	WD-1 / AC-1	WP-1 FINISH AT EAST WALL AT BULKHEAD BELOW SLOPED CEILING
114	SENSORY PREP	RF-1	B-1	P-2	P-2	P-2	P-2	PGB-1	FLOOR TILE T-1 AND WALL TILE T-2 AT CART WASH - SEE INTERIOR ELEVATIONS
115	SENSORY CLASSROOM	RF-1	B-1	P-2/WP-1	P-1	P-2/WP-1	P-2/WP-1	WD-1 / AC-1	WP-1 FINISH AT WEST WALL AT BULKHEAD BELOW SLOPED CEILING

ROOM FINISH SCHEDULE - PHASE 2

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FINISH	COMMENTS
116	HOSPITALITY	T-3	B-3	P-1	P-3	WD-1	P-1	WD-1	PAINT SOFFIT ABOVE BACK BAR TO MATCH WALL; NO BASE AT VGDF WALL
117	PREP	T-3	B-1	P-1	P-1	P-1	P-1	AC-1	

FINISH CODE LIST

CODE	SPECIFICATION	MANUFACTURER	STYLE / COLOR	NOTES
ACOUSTIC WALL PANEL				
WP-1	09 77 20	ARMSTRONG	ACOUSTIBUILT SEAMLESS ACOUSTICAL WALL SYSTEM / ACOUSTIBUILT FINE TEXTURE FINISH PAINT TO MATCH GYP BD WALLS	INSTALL FROM +10'-0" TO WOOD CEILING AT (3) WALLS WITHOUT GLAZED OPENINGS
ARCHITECTURALLY EXPOSED STUCTURAL STEEL				
AESS	05 12 10 / 09 96 70		HIGH PERFORMANCE COATING / CUTOM COLOR MATCH	
BLACKENED STEEL PLATE				
BS-1	05 50 00	-	1/4" BLACKENED STEEL PLATE	WITH BLACK PAN HEAD SCREWS
CARPET				
CPT-1	09 68 10	SHAW CONTRACT	OBSERVE TILE / OPTOMISTIC	10" X 40" PLANK CARPET TILE; ASHLAR INSTALL METHOD
CEILING - LAY-IN ACOUSTICAL PANEL				
AC-1	09 51 00	ARMSTRONG	ULTIMA WITH 15/16" PRELUDE GRID / WHITE	24" X 24" X 5/8" SQ LAY-IN; MINIMUM NRC 0.80; USE KINETICS AF-100 SOUND ISOLATION HANGERS (OR EQUIVALENT) AT CEILING GRID AT WINE LAB 104
CEILING - PAINTED GWB				
PGB-1	09 21 00 / 09 90 00	SHERWIN WILLIAMS	SW 9542 NATURAL WHITE	P-2 PAINT FINISH
CONCRETE - SEALED				
C-1	03 35 15	PROSOCO	CONSOLIDECK LS/LC	TRAFFIC RATED, NON-SLIP
CURTAIN WALL / STOREFRONT				
CW-SF	08 41 00 / 08 44 20	OLDCASTLE	RELIANCE-LT CURTAIN WALL , SERIES 6000 STOREFRONT / 399X440 BRIGHT SILVER	
FIBER REINFORCED PANEL				
FRP	09 77 30	MARLITE	PEBBLED / P100 WHITE	
GLASS-FIBER-REINFORCED-CONCRETE PLANKS				
GFRC-1	07 46 50	RIEDER	OKO SKIN STRIPES / CHROME	MATT, FERRO LIGHT AND FERRO TEXTURES RANDOMLY MIXED; RANDOM HORIZONTAL JOINT STAGGER
LAB CASEWORK				
LC-1	12 35 53	KEWAUNEE SCIENTIFIC	STEEL CASEWORK / 463 IRON ORE LOWERS; 78 SNOW WHITE UPPERS	SEE LABORATORY DRAWINGS SHT LF-003
OPERABLE PARTITION				
OP-1	10 22 00	HUFCOR	SERIES 641 / FRISF TEXTURE, PARCHMENT	
PAINT				
P-1	09 90 00	SHERWIN WILLIAMS	SW 9542 NATURAL WHITE	EGGSHELL
P-2	09 90 00	SHERWIN WILLIAMS	SW 9542 NATURAL WHITE	SEMI-GLOSS
P-3	09 90 00	SHERWIN WILLIAMS	SW7069 IRON ORE	EXTERIOR BOARD AND BATTEN WALLS - EGGSHELL
RESILIENT FLOORING				
RF-1	09 65 20	NORA	NORAPLAN SENTICA / 6525 OCEAN MIST	610mm X 610mm X 3mm TILE, HEAT WELD SEAMS
RF-2	09 65 20	NORA	NORAPLAN SENTICA ED / 6520 SNOW DAY	610mm X 610mm X 3mm TILE, HEAT WELD SEAMS
SOLID SURFACE MATERIAL				
SSM1	12 36 61	CHEMTOPS	1" EPOXY RESIN / LUNAR WHITE	3/4" AT SPLASHES
SSM2		RICHLITE	STRATUM / BAMBOO BLACK DIAMOND	1" THICKNESS, LEATHERED FINISH
STANDING SEAM ROOF PANEL				
SS-1		METAL SALES	MAGNA-LOC / GALVALUME	METAL ROOF TRIM, FASCIA TRIM, GUTTERS, ETC TO MATCH FINISH
TILE				
T-1	09 30 00	CROSSVILLE	OWEN STONE SERIES / BUNNY	2" X 2" PORCELAIN FLOOR TILE, LEATHER FINISH; LATICRETE EPOXY GROUT 89 SMOKE GREY
T-2	09 30 00	DALTILE	ANNAPOLIS GLAZED CERAMIC TILE, 6" X 12" FLAT, MATTE / SAIL AP06	SCHLUTER COVE BASE; LATICRETE EPOXY GROUT 44 BRIGHT WHITE; SCHLUTER SSTL JOLLY AT TILE EDGE, SCHLUTER SSTL FINEC AT OUTSIDE CORNERS
T-3	09 30 00	CROSSVILLE	OWEN STONE SERIES / BUNNY	PORCELAIN FLOOR TILE, 8" X 48" & 6" X 36" PLANKS, LEATHER FINISH, RANDOM STAGGER JOINT; LATICRETE EPOXY GROUT 89 SMOKE GREY
WALL BASE				
B-1	09 65 10	-	-	4" RESILIENT WALL BASE, COLOR TO MATCH WALL
B-2	09 30 00	SCHLUTER	DILEX-EHK / STAINLESS STEEL	FLOOR-TO-WALL COVE BASE TRIM
B-3		-		1/2" X 5" WOOD BASE - PAINT TO MATCH WALL
WOOD PLANK				
WD-1	06 20 00	-	SAS / SATIN CLEAR POLYURETHANE FINISH AT INTERIOR, UV FINISH AT EXTERIOR	5/8 X 8 KILN DRIED VERTICAL GRAIN DOUGLAS FIR BOARDS WITH RABBET EDGE JOINT

DOOR SCHEDULE

NO.	Room Name	WIDTH	HEIGHT	THK.	TYPE	P.H.	HDWR GROUP	MAT'L	GLASS	FRAME TYPE	FRAME MAT'L	SIGNAGE	OPENING FIRE RATING	REMARKS
101A	HALL	3' - 6"	7' - 0"	1 3/4"	2	YES	1.1	ALUM	TEMP	B	ALUM	A, L		STOREFRONT DOOR; LOW ENERGY DOOR OPERATOR
101B	HALL	3' - 0"	7' - 0"	1 3/4"	2	YES	1.0	ALUM	TEMP	B	ALUM	L		STOREFRONT DOOR
102	OFFICE	3' - 0"	7' - 0"	1 3/4"	2		9.0	WD		B	ALUM	M		VERTICAL GRAIN DOUGLAS FIR VENEER WITH SATIN CLEAR FINISH
103	OFFICE	3' - 0"	7' - 0"	1 3/4"	2		9.0	WD		B	ALUM	M		VERTICAL GRAIN DOUGLAS FIR VENEER WITH SATIN CLEAR FINISH
104A	WINE LAB	3' - 0"	7' - 0"	1 3/4"	2	YES	4.0	ALUM	TEMP	B	ALUM	K, M		STOREFRONT DOOR
104B	WINE LAB	3' - 6"	7' - 0"	1 3/4"	2	YES	1.0	ALUM	TEMP	B	ALUM	L		STOREFRONT DOOR
105	WINE PREP	3' - 0"	7' - 0"	1 3/4"	3		11.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
106	CLOSET	3' - 0"	7' - 0"	1 3/4"	3		8.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
107	WOMEN	3' - 0"	7' - 0"	1 3/4"	3		13.0	WD		A	HM	B, E		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL; LOW ENERGY DOOR OPERATOR
108	MEN	3' - 0"	7' - 0"	1 3/4"	3		13.0	WD		A	HM	C, F		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL; LOW ENERGY DOOR OPERATOR
109	TOILET	3' - 0"	7' - 0"	1 3/4"	3		12.0	WD		A	HM	D, G		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
110	CUSTODIAL	3' - 0"	7' - 0"	1 3/4"	3		7.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
111	ELECTRICAL	3' - 0"	7' - 0"	1 3/4"	3	YES	5.0	WD		A	HM	H, M	90 MIN	PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
112	BDF	3' - 0"	7' - 0"	1 3/4"	3		7.0	WD		A	HM	M	45 MIN	PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
113A	SENSORY CLASSROOM	3' - 0"	7' - 0"	1 3/4"	4	YES	6.0	WD	FIRE	A	HM	K, M		VERTICAL GRAIN DOUGLAS FIR VENEER WITH SATIN CLEAR FINISH; CERAMIC COATED FIRE RESISTIVE GLAZING MEETING CPSC CAT II IMPACT SAFETY TEST
113B	SENSORY CLASSROOM	3' - 6"	7' - 0"	1 3/4"	2	YES	1.0	ALUM	TEMP	B	ALUM	L		STOREFRONT DOOR
114A	SENSORY PREP	3' - 0"	7' - 0"	1 3/4"	3		10.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
114B	SENSORY PREP	3' - 0"	7' - 0"	1 3/4"	3		10.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
114C	SENSORY PREP	3' - 0"	7' - 0"	1 3/4"	3		10.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
115A	SENSORY CLASSROOM	3' - 0"	7' - 0"	1 3/4"	4	YES	6.0	WD	FIRE	A	HM	K, M.		VERTICAL GRAIN DOUGLAS FIR VENEER WITH SATIN CLEAR FINISH; CERAMIC COATED FIRE RESISTIVE GLAZING MEETING CPSC CAT II IMPACT SAFETY TEST
115B	SENSORY CLASSROOM	3' - 6"	7' - 0"	1 3/4"	2	YES	1.0	ALUM	TEMP	B	ALUM	L		STOREFRONT DOOR
116A	HOSPITALITY	3' - 6"	7' - 0"	1 3/4"	2	YES	1.1	ALUM	TEMP	B	ALUM	A, L		STOREFRONT DOOR; LOW ENERGY DOOR OPERATOR
116B	HOSPITALITY	18' - 0"	9' - 0"		1		14.0	ALUM	TEMP	MFR	ALUM			SLIDING WALL SYSTEM
116C	HOSPITALITY	18' - 0"	9' - 0"		1		14.0	ALUM	TEMP	MFR	ALUM			SLIDING WALL SYSTEM
116D	HOSPITALITY	3' - 0"	7' - 0"	1 3/4"	3	YES	3.1	HM		A	HM	L		PAINT DOOR & FRAME CUSTOM COLOR TO MATCH BOARD & BATTEN AT EXTERIOR; INTERIOR CUSTOM COLOR TO MATCH WALL - EGGSHELL
117A	PREP	3' - 0"	7' - 0"	1 3/4"	3		3.0	HM		A	HM	K		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
117B	PREP	3' - 6"	7' - 0"	1 3/4"	3		10.0	WD		A	HM	L		PAINT DOOR & FRAME CUSTOM COLOR TO MATCH RAINSCREEN AT EXTERIOR; INTERIOR TO MATCH WALL - EGGSHELL

DOOR SCHEDULE GENERAL NOTES

A. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO FABRICATION, TYP.

B. ALL GLAZING TO BE TEMPERED SAFETY GLAZING PER ANSI Z97.1 OR CPSC 16CFR PART1201.

C. THRESHOLDS AT DOORS REQUIRED TO BE ACCESSIBLE SHALL BE IN CONFORMANCE WITH CBC SEC 11B-404.2.5. THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/4" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL (50% SLOPE). CHANGE IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP.

D. MAXIMUM CLOSER-EFFORT: 5 lbs. EXTERIOR DOORS AND INTERIOR DOORS, THE AUTHORITY HAVING JURISDICTION MAY INCREASE THE MAXIMUM EFFORT TO OPERATE FIRE DOORS TO ACHIEVE POSITIVE LATCHING, BUT NOT TO EXCEED 15 lbs MAXIMUM.

E. DOOR CLOSERS TO COMPLY WITH CBC 11B-404.2.8.1, CLOSER DELAY TIME; 5 SECONDS TO CLOSE FROM AN OPEN POSITION OF 90 DEGREES TO WITHIN 12 DEGREES OF THE LATCH.

F. WHERE FLUSH BOLTS OCCUR IN THE ACCESSIBLE PATH OF TRAVEL PROVIDE ACCESSIBLE AUTOMATIC FLUSH BOLT.

G. FLOOR MOUNTED DOOR STOPS TO BE INSTALLED AT A MAXIMUM OF FOUR INCHES FROM THE FACE OF WALL OR PARTITION.

H. CONCEAL ALL POWER, CONTROL AND SECURITY CONNECTIONS IN WALLS, CEILINGS, STOREFRONT SYSTEM, CURTAIN WALL SYSTEM OR DOOR FRAMES; EXPOSED CONDUITS OR CONDUCTORS WILL NOT BE ACCEPTED.

I. SIGNAGE TO BE PER DETAIL **8/A-511** & **20/A-511**

J. FOR TYPICAL CONDITIONS AT OPENINGS SEE SHT A-541.

K. FOR TYPICAL CLEARANCES AT DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE, SEE **2/A-511**

L. DOOR SHALL BE OPERABLE FROM INSIDE WITHOUT THE USE OF ANY TOOLS, EFFORT, OR SPECIAL KNOWLEDGE.

3/5/2024 5:54:39 PM

AGENCY APPROVAL STAMP:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/20/2024

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

CONSULTANT:

STAMP:

LICENSED ARCHITECT
EARL SERDAN
C-32675
REN:12/31/25
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
1	3/6/24	ADDENDUM 1

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

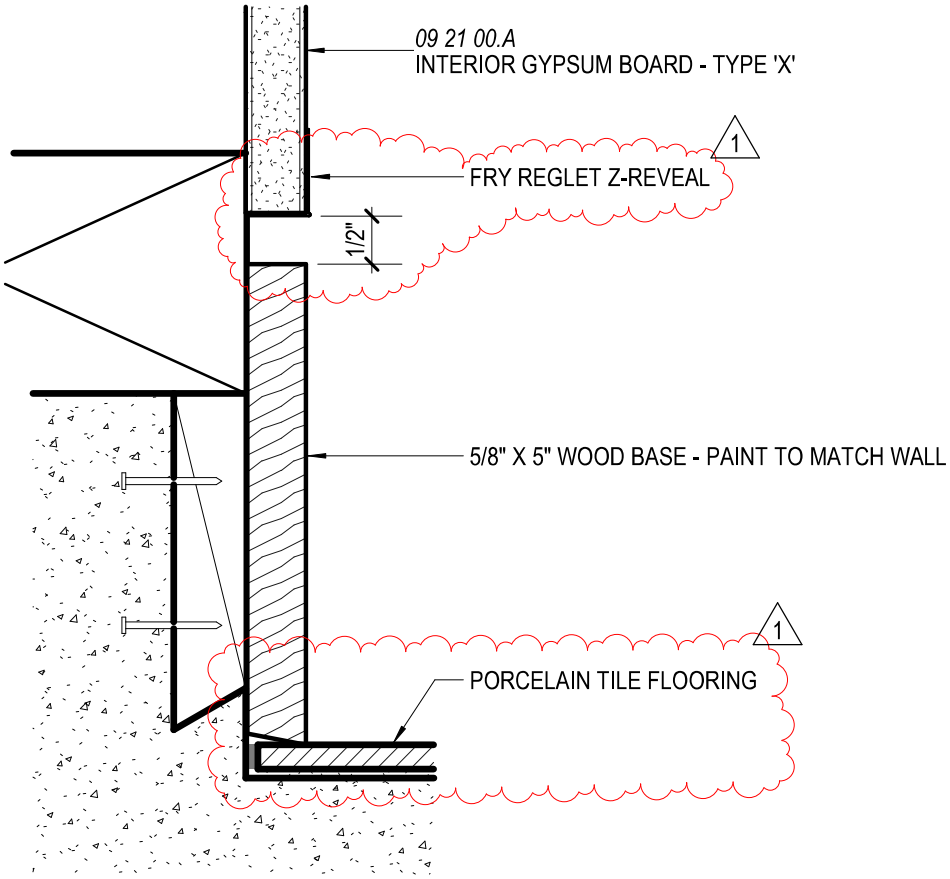
TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

ROOM FINISH SCHEDULE, DOOR SCHEDULE, DOOR TYPES & STOREFRONT/CURTAIN WALL TYPES

A-601

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/20/2024
tlcd.com



PROJECT NAME

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

PROJECT ADDRESS

2277 NAPA VALLEJO HWY NAPA, CA 94558

NO.	DATE	DESCRIPTION
1	3/6/24	ADDENDUM 1

TLCD PROJECT NO:

21062.00

DATE:

01/10/24

BY:

DSK

DESCRIPTION:

WOOD BASE AT HOSPITALITY

LICENSED ARCHITECT
CARL SERVAIS
C-32941
REN:12/31/25
STATE OF CALIFORNIA

1
DRAWING NO:

ASK1-AD1

DSA **140**

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval.This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes ☐ No ☑)

Deferred Submittal ☐	Addendum Number: 2	Revision Number:	CCD Number: Category A ☐ or B ☐

2. PROJECT INFORMATION:

School District/Owner: Napa Valley Community College	DSA File Number: 28 C1
Project Name/School: Wine Education Center	DSA Application Number 01 120890

3. APPLICANT INFORMATION:

Date Submitted: 05/01/24	Attached Pages? No ☐ Yes ☑ Number of pages? 50		
Firm Name: TLCD Architecture	Contact Name: Carl Servais		
Work Email: carl.servais@tlcd.com	Work Phone: (707) 535-5279		
Firm Address: 520 Third Street, #250	City: Santa Rosa	State: CA	Zip Code: 95401

4. REASON FOR SUBMITTAL: (Check applicable boxes)

☑ For revision or addendum prior to construction. ☐ For a project currently under construction.

☐ For a project that has a form *DSA 301-N: Notification of Requirement for Certification*, *DSA 301-P: Posted Notification of Requirement for Certification* or a 90-Day Letter issued.

☐ To obtain DSA approval of an existing uncertified building or buildings.

☐ For Category B CCD this is: ☐ a voluntary submittal, ☐ a DSA required submittal (attach DSA notice requiring submission).

5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:

Name of the Design Professional In General Responsible Charge: Carl Servais

Professional License Number: C32941 Discipline: Architect

Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.

Signature: Carl Servais

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:

For addenda, revisions, or CCDs: CHECK THIS BOX ☑ to confirm that *all* post-approval documents have been stamped and signed by the Responsible Design Professional listed on form *DSA 1: Application for Approval of Plans and Specifications* for this project. (For *Deferred Submittals*, refer to *IR A-18: Use of Construction Documents Prepared by Other Professionals,* and *IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents*, when applicable, for signature and seal requirements.)

Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed):

Response to bidders requests for information. Revisions to specifications: Minor changes to sections noted in the Addendum 2 narrative. Add the DSA approved form 103 to section 01 40 00. Add section 10 11 00 Visual Display Units. Revisions to drawings: A-601 Change floor finish in Room Finish Schedule - Phase 1. Refer to Addendum 2 narrative on page 2-6 for full description of modifications.

List of DSA-approved drawings affected by this post-approval document:

A-601

DSA USE ONLY

SSS Dan Mui Date May 20, 2024 ☒ Approved ☐ Disapproved ☐ Not Required

Comments:

FLS AW Date 5/6/24 ☑ Approved ☐ Disapproved ☐ Not Required

Comments:

ACS Michael Park Date 05/02/2024 ☒ Approved ☐ Disapproved ☐ Not Required

Comments:

Returned	DSA STAMP
Date:	APPROVED DIV. OF THE STATE ARCHITECT APP: 01-120890 INC: REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 05/20/2024
By:	

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

WINE EDUCATION CENTER
NAPA VALLEY COLLEGE

ADDENDUM NUMBER 2

PROJECT ADDRESS
2277 Napa Vallejo Hwy
Napa, CA 94558

OWNER
NAPA VALLEY COLLEGE

DATE
APRIL 8, 2024

TLCD PROJECT NUMBER
21062.00

DSA APPLICATION NUMBER:
01-120890

Note: The following changes, modifications and additions to the Project Manual and Drawings described within this Addendum are made a part thereof and are subject to all of the requirements thereof as if originally specified.

111 SANTA ROSA AVENUE, #300
SANTA ROSA, CA 95404
TEL 707.525.5600
FAX 707.525.5616

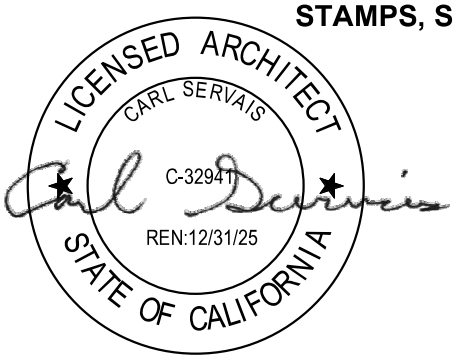
WWW.TLCD.COM

ADDENDUM NUMBER 2
WINE EDUCATION CENTER
NAPA VALLEY COLLEGE
2277 Napa Vallejo Hwy
Napa, CA 94558

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/20/2024

DSA APPLICATION #01-120890

STAMPS, SIGNATURES AND APPROVALS



ARCHITECT
Carl Servais
C32941

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ADDENDUM NUMBER 2

To the Plans and Specifications for:

WINE EDUCATION CENTER
NAPA VALLEY COLLEGE

DSA File No. 28-C1
DSA Application No. 01-120890

Date: April 8, 2024

RESPONSES TO BIDDER'S REQUESTS FOR INFORMATION (RFI'S)

Question 1: The RFQ mentioned that Phase 2 (Hospitality/Tasting Building) is not being bid at this time. However, the bid documents have integrated Phase 1 & Phase 2 drawings/ details and does not mention anywhere that Phase 2 is not a part of the bid currently. Please clarify if Phase 2 is to be included at this time.

Response: ***The current bid is for Phase 1 only. Do not include Phase 2 work in the Phase 1 bid. (TLCD)***

Question 2: 1. In paragraph 2.2-A of Section 084100, it states that the oldcastle series 6000 (2" X 6") is the basis of design. However, in paragraph G-1, the Kawneer 451T (2"X 4") system is mentioned. Additionally, on page A541 of the plan, it depicts a (2" X 4") system. Which system is basis of design?
2. In Section 084100 for Entrances and Storefronts, clear anodized finish is designated, while for Section 084420 for Curtain Wall, a Two-coat Kynar finish is indicated. Could you please confirm if this is correct?

Response: ***Refer to Addendum 2 for clarifications. (TLCD)***

Question 3: The Demolition Asbestos/ Lead Survey prepared by FIT Environmental Services notes that no asbestos was found in the samples tested for both buildings that are to be demolished. However, the conclusion of their report states that "suspect asbestos containing materials (ACM) that were not sampled because they were outside the scope of this limited survey should be considered assumed to contain asbestos until rebutted by appropriate sampling and analysis." Please confirm that no asbestos abatement is to be included by the contractor at this time.

Response: ***It is confirmed that no asbestos abatement is to be included by the contractor at this time. (Kitchell)***

Question 4: Subsection 3.1A in specification section 02 41 10 notes "Tanks: Remove tanks within construction area; pump out buried tanks located outside construction area, fill tanks with sand or fine gravel and cover with fill unless otherwise indicated." However, the demolition drawings do not show any tank demolition or removal. Please confirm there are no tanks that need to be demolished or pumped out.

Response: ***Response will be included in a future Addendum. (TLCD)***

Question 5: Sub section 3.5 & 3.8 in specification section 32 12 16 - Asphalt Concrete Paving and Base calls for Tack Coat and Seal Coating of existing surfacing. However, the drawings do not show any location to get tack coat or seal coat. Please confirm no tack coat or seal coat is required on this project.

Response: ***The proposed asphalt seal coat has been removed from the plans as a cost-saving measure. The plans were revised accordingly to reflect this change, and the specifications were not changed to eliminate the seal coat section. No seal coating is proposed for this project. (Brelje & Race)***

Question 6: Drawing note .034 on Sheet A-122 calls for 4'x8' dry erase whiteboard with tray. However, there are no specs available, please provide specs/ manufacturer/ model for these whiteboards

Response: ***Refer to Addendum 2 for clarifications. (TLCD)***

Question 7: The Finish Schedule on sheet A-601 shows Room 106, 110 to have a "C-2" as floor finish. However, finish code list on sheet A-601 does not have a "C-2". Please provide missing specs & manufacturer information for finish type "C-2".

Response: ***Refer to Addendum 2 for clarifications. (TLCD)***

Question 8: Section 11.b.2 in General Conditions notes the Contractor shall include in their bid costs builders risk insurance. Please advise if the policy should cover earthquakes and floods.

Response: ***Response will be included in a future Addendum. (Kitchell)***

Question 9: Do the subcontractors need to be prequalified?

Response: ***No, subcontractors do not need to be prequalified, only general contractors. (Kitchell)***

Question 10: 1. Finishes = Are we following the spec section in regards to Finishes? There are two type of finishes. Storefront finish = Clear Anodized per spec section 084100, Curtain wall finish = Painted/bright silver per spec section 084420. Sliding Door = Painted/bright silver per spec section 083540.
2. What is the finish for the aluminum door? Anodized or painted?
3. Per sheet A-601

Type H = Storefront or curtain wall? Exterior scope. There is no cut detail for this window.
Type J = Storefront or curtain wall? Interior scope. There is no cut detail for this window.
Type K = Storefront or curtain wall? Interior scope. There is no cut detail for this window.
Type Q = Storefront or curtain wall? Exterior scope. There is no cut detail for this window.
Type M = Storefront or curtain wall? Exterior scope. Head detail shows Curtain Wall per Sheet 15/A.541
Type N = Storefront or curtain wall? Exterior scope. Head detail shows Curtain Wall per Sheet 15/A.541
Type L = Storefront or curtain wall? Exterior scope. Head detail shows Curtain Wall per Sheet 15/A.541

Response: ***Refer to Addendum 2 for clarifications for finishes.***
Regarding opening types - the openings are labelled on A-601 to match the intended systems. Window openings labelled STOREFRONT are specified in Section 08 41 00. Window openings labelled CURTAIN WALL are specified in section 08 44 20 (window type 4 is the only curtain wall). Doors (entrances) and door frames labelled STOREFRONT are specified in Section 08 41 00.
Details 15, 16 &17/A-541 are clearly labelled as CURTAIN WALL in the details and are identified as CURTAIN WALL on 4/A-601. All remaining details on A-541 are clearly labelled as "08 41 00 ENTRANCES AND STOREFRONTS" where applicable. Windows L, M, N & P have jamb & sill detail tags that are clearly identified as STOREFRONT in the details on A-541. The head detail references clearly state "SIM" for a similar condition to the curtain wall detail referenced. Details 10 & 11 on A-541 are labelled "TYP INTERIOR STOREFRONT...", therefore, apply to STOREFRONT openings H, J, K and Q on A-601. (TLCD)

END OF BIDDER'S REQUEST FOR INFORMATION

CHANGES TO THE PROJECT MANUAL

1.1 CHANGE to specification Section 00 01 10 TABLE OF CONTENTS:

A. ADD Section "10 11 00 VISUAL DISPLAY UNITS" to the TABLE OF CONTENTS.

1.2 CHANGES to specification 00 01 21 SUPPLEMENTAL CONDITIONS:

A. ADD to part 3 – TIME FOR COMPLETION, Expected Project Schedule:
1. "Buildings vacated by Owner: May 24, 2024"
2. "Site mobilization: May 28, 2024"

B. CHANGE to part 3 – TIME FOR COMPLETION, Expected Project Schedule:
1. Construction Completion: from May 2, 2025 to: "May 30, 2025."

C. CHANGE to part 4.a – DESCRIPTION OF MILESTONES, Completion of Work:
1. Change date of Milestone from May 2, 2025 to "May 30, 2025."

1.3 CHANGES to specification Section 01 40 00 QUALITY REQUIREMENTS:

A. ADD the Division of the State Architect (reviewed and approved 10/25/2023) form DSA 103-22 "Listing of Structural Tests & Special Inspections, 2022 CBC" (20 pages) as an attachment to the end of the Section.

B. ADD requirements to the following parts (Refer to specification Section attached):
1. Summary 1.1.A.1 through 7.
2. Summary 1.1B.4
3. Summary 1.1C.1.
4. Definitions 1.2.G.1.
5. Definitions 1.2.J.
6. Definitions 1.1.K.
7. "Attached form" at end of section.

1.4 CHANGE to specification Section 08 35 40 SLIDING ALUMINUM AND GLASS WALLS:

A. CHANGE part 2.2.G.3 finish from Fluoropolymer system to: "Clear Anodized: Clear anodized coating conforming with NAAMM Metal Finishes Manual, Architectural Class I, 0.7 mil or greater."

1.5 CHANGE to specification Section 08 41 00 ENTRANCES AND STOREFRONTS:

A. CHANGE part 2.2.A.1 Basis of Design to: "Kawneer/Trifab VersaGlaze 451T Framing System."

1.6 CHANGE to specification Section 08 44 20 GLAZED CURTAIN WALL SYSTEMS"

A. CHANGE part 2.2.E.2 finish from High performance organic coating to: "Clear Anodized: Clear anodized coating conforming with NAAMM Metal Finishes Manual, Architectural Class I, 0.7 mil or greater."

1.7 ADD specification Section 10 11 00 VISUAL DISPLAY UNITS to the Project Manual (Refer to specification Section attached).

CHANGES TO THE PROJECT DRAWINGS

1.8 CHANGE to drawings A601 – ROOM FINISH SCHEDULE – PHASE 1:

A. CHANGE floor finish at rooms 106 and 110 from C-2 to C-1.

ATTACHMENTS

PROJECT MANUAL:

Note: Additions to attached specifications are identified in ***bold-Italic print.***
Deletions to attached specifications are identified in ~~gray strikethrough print.~~

00 01 10 Table of Contents
01 40 00 Quality Requirements with DSA 103-22
10 11 00 Visual Display Units

DRAWINGS:
None.

END OF ADDENDUM NUMBER 2

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SECTION 00 01 10

TABLE OF CONTENTS

PROJECT MANUAL
INTRODUCTORY INFORMATION

PROCUREMENT AND CONTRACTING REQUIREMENTS
~~**CONTRACTING REQUIREMENTS (Addendum 1)**~~

SPECIFICATIONS GROUP

DIVISION 01 – GENERAL REQUIREMENTS

DIVISION 13 – SPECIAL CONSTRUCTION

Not used.

DIVISION 14 – CONVEYING EQUIPMENT

Not used.

DIVISION 21 – FIRE SUPPRESSION

DIVISION 22 – PLUMBING

DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING

DIVISION 26 – ELECTRICAL

DIVISION 27 – COMMUNICATIONS

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

DIVISION 31 – EARTHWORK

DIVISION 32 – EXTERIOR IMPROVEMENTS

END OF SECTION

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SECTION 01 40 00

QUALITY REQUIREMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for quality assurance and quality control.

1. Inspection of materials, products, fabrication and installation by DSA Field Representative.
2. Form DSA 103-22 "Listing of Structural Tests & Special Inspections, 2022 CBC".
3. Inspection of materials, products, fabrication and installation by Owner's Project Inspector of Record.
4. Testing of materials, products, fabrication and installation by Owner's Testing Agency.
5. Mock ups
6. Contractor's quality assurance and control services.
7. Other quality assurance and control services, as applicable.

B. Testing and inspection services are required to verify compliance with requirements specified or indicated. These services do not relieve Contractor of responsibility for compliance with the Contract Document requirements.

1. Specific quality-assurance and quality-control requirements for individual work results are specified in their respective Specification Sections. Requirements in individual Sections may also cover production of standard products.
2. Specified tests, inspections, and related actions do not limit Contractor's other quality-assurance and quality-control procedures that facilitate compliance with the Contract Document requirements.
3. Requirements for Contractor to provide quality-assurance and quality-control services required by Architect, Owner, Construction Manager, or authorities having jurisdiction are not limited by provisions of this Section.
4. Testing shall comply with requirements of:
    1) California Building Code, Title 24, Part 1, Chapter 4, Section 4-335.
    2) Form DSA 103-22 "Listing of Structural Tests & Special Inspections, 2022 CBC", attached to this Section.
    3) Requirements indicated in specification Sections Division 02 through 33.
    4) Other requirements of authorities having jurisdiction.

C. Related Requirements:

1. Division 02 through 33 Sections for specific test and inspection requirements.

1.2 DEFINITIONS

A. Experienced: When used with an entity or individual, "experienced," unless otherwise further described, means having successfully completed a minimum of five previous projects similar in nature, size, and extent to this Project; being familiar with special requirements indicated; and having complied with requirements of authorities having jurisdiction.

B. Field Quality-Control Tests and Inspections: Tests and inspections that are performed on-site for installation of the Work and for completed Work.

C. Installer/Applicator/Erector: Contractor or another entity engaged by Contractor as an employee, subcontractor, or sub-subcontractor, to perform a particular construction operation, including installation, erection, application, assembly, and similar operations.

1. Use of trade-specific terminology in referring to a Work result does not require that certain construction activities specified apply exclusively to specific trade(s).

D. Preconstruction Testing: Tests and inspections performed specifically for Project before products and materials are incorporated into the Work, to verify performance or compliance with specified criteria. Unless otherwise indicated, copies of reports of tests or inspections performed for other than the Project do not meet this definition.

E. Product Tests: Tests and inspections that are performed by a nationally recognized testing laboratory (NRTL) in accordance with 29 CFR 1910.7, by a testing agency accredited in accordance with NIST's National Voluntary Laboratory Accreditation Program (NVLAP), or by a testing agency qualified to conduct product testing and acceptable to authorities having jurisdiction, to establish product performance and compliance with specified requirements.

F. Source Quality-Control Tests and Inspections: Tests and inspections that are performed at the source (e.g., plant, mill, factory, or shop).

G. Testing Agency: An entity engaged to perform specific tests, inspections, or both. The term "testing laboratory" has the same meaning as the term "testing agency."

1. A laboratory facility accepted by the DSA through the DSA Laboratory Evaluation and Acceptance Program and approved for the project by the DSA, hired by the Owner.

H. Quality-Assurance Services: Activities, actions, and procedures performed before and during execution of the Work, to guard against defects and deficiencies and substantiate that proposed construction will comply with requirements.

I. Quality-Control Services: Tests, inspections, procedures, and related actions during and after execution of the Work, to evaluate that actual products incorporated into the Work and completed construction comply with requirements. Contractor's quality-control services do not include contract administration activities performed by Architect or Construction Manager.

J. DSA: Division of the State Architect; the governing agency having jurisdiction.

K. PI: Project Inspector of Record; Inspector certified through the DSA Project Inspector certification program and approved for the project by the DSA, hired by the Owner.

1.3 CONFLICTING REQUIREMENTS

A. Conflicting Standards and Other Requirements: If compliance with two or more standards or requirements is specified and the standards or requirements establish different or conflicting requirements for minimum quantities or quality levels, inform the Architect regarding the conflict and obtain clarification prior to proceeding with the Work. Refer conflicting requirements that are different, but apparently equal, to Architect for clarification before proceeding.

B. Minimum Quantity or Quality Levels: The quantity or quality level shown or specified is 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 requirements. Refer uncertainties to Architect for a decision before proceeding.

1.4 REPORTS AND DOCUMENTS

A. Test and Inspection Reports: Prepare and submit certified written reports specified in other Sections. Include the following:

1. Date of issue.
2. Project title and number.
3. Name, address, telephone number, and email address of testing agency.
4. Dates and locations of samples and tests or inspections.
5. Names of individuals making tests and inspections.
6. Description of the Work and test and inspection method.
7. Identification of product and Specification Section.
8. Complete test or inspection data.
9. Test and inspection results and an interpretation of test results.
10. Record of temperature and weather conditions at time of sample-taking and testing and inspection.
11. Comments or professional opinion on whether tested or inspected Work complies with the Contract Document requirements.
12. Name and signature of laboratory inspector.
13. Recommendations on retesting and reinspecting.

B. Manufacturer's Technical Representative's Field Reports: Prepare written information documenting manufacturer's technical representative's tests and inspections specified in other Sections. Include the following:

1. Name, address, telephone number, and email address of technical representative making report.
2. Statement on condition of substrates and their acceptability for installation of product.

3. Statement that products at Project site comply with requirements.
4. Summary of installation procedures being followed, whether they comply with requirements and, if not, what corrective action was taken.
5. Results of operational and other tests and a statement of whether observed performance complies with requirements.
6. Statement of whether conditions, products, and installation will affect warranty.
7. Other required items indicated in individual Specification Sections.

C. Factory-Authorized Service Representative's Reports: Prepare written information documenting manufacturer's factory-authorized service representative's tests and inspections specified in other Sections. Include the following:

1. Name, address, telephone number, and email address of factory-authorized service representative making report.
2. Statement that equipment complies with requirements.
3. Results of operational and other tests and a statement of whether observed performance complies with requirements.
4. Statement of whether conditions, products, and installation will affect warranty.
5. Other required items indicated in individual Specification Sections.

1.5 QUALITY ASSURANCE

A. Qualifications paragraphs in this article establish the minimum qualification levels required; individual Specification Sections specify additional requirements.

B. Manufacturer Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this Project and with a record of successful in-service performance, as well as sufficient production capacity to produce required units. As applicable, procure products from manufacturers able to meet qualification requirements, warranty requirements, and technical or factory-authorized service representative requirements.

C. Fabricator Qualifications: A firm experienced in producing products similar to those indicated for this Project and with a record of successful in-service performance, as

D. Installer Qualifications: A firm or individual experienced in installing, erecting, applying, or assembling work similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.

E. Professional Engineer Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or product that is similar in material, design, and extent to those indicated for this Project.

F. Specialists: Certain Specification Sections require that specific construction activities be performed by entities who are recognized experts in those operations. Specialists will satisfy qualification requirements indicated and engage in the activities indicated.

1. Requirements of authorities having jurisdiction supersede requirements for specialists.

G. Testing and Inspecting Agency Qualifications: An NRTL, an NVLAP, or an independent agency with the experience and capability to conduct testing and inspection indicated, as documented in accordance with ASTM E329, and with additional qualifications specified in individual Sections; and, where required by authorities having jurisdiction, that is acceptable to authorities.

1.6 QUALITY CONTROL

A. Contractor Responsibilities: Tests and inspections not explicitly assigned to Owner are Contractor's responsibility. Perform additional quality-control activities, whether specified or not, to verify and document that the Work complies with requirements.

1. Unless otherwise indicated, provide quality-control services specified and those required by authorities having jurisdiction. Perform quality-control services required of Contractor by authorities having jurisdiction, whether specified or not.
2. Engage a qualified testing agency to perform quality-control services.
   a. Contractor will not employ same entity engaged by Owner, unless agreed to in writing by Owner.
3. Notify testing agencies at least 24 hours in advance of time when Work that requires testing or inspection will be performed.
4. Where quality-control services are indicated as Contractor's responsibility, submit a certified written report, in duplicate, of each quality-control service.
5. Testing and inspection requested by Contractor and not required by the Contract Documents are Contractor's responsibility.
6. Submit additional copies of each written report directly to authorities having jurisdiction, when they so direct.

B. Testing Agency Responsibilities: Cooperate with Architect , Construction Manager, and Contractor in performance of duties. Provide qualified personnel to perform required tests and inspections.

1. Notify Architect , Construction Manager, and Contractor promptly of irregularities or deficiencies observed in the Work during performance of its services.
2. Determine the locations from which test samples will be taken and in which in-situ tests are conducted.
3. Conduct and interpret tests and inspections, and state in each report whether tested and inspected Work complies with or deviates from requirements.
4. Submit a certified written report, in duplicate, of each test, inspection, and similar quality-control service through Contractor.
5. Do not release, revoke, alter, or increase the Contract Document requirements or approve or accept any portion of the Work.
6. Do not perform duties of Contractor.

C. Coordination: Coordinate sequence of activities to accommodate required quality-assurance and quality-control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspection.

1. Schedule times for tests, inspections, obtaining samples, and similar activities.

D. Schedule of Tests and Inspections: Prepare a schedule of tests, inspections, and similar quality-control services required by the Contract Documents. Coordinate and submit concurrently with Contractor's Construction Schedule. Update and submit with each Application for Payment.

1. Schedule Contents: Include tests, inspections, and quality-control services, including Contractor- and Owner-retained services, commissioning activities, and other Project-required services paid for by other entities.
2. Distribution: Distribute schedule to Owner, Architect, testing agencies, and each party involved in performance of portions of the Work where tests and inspections are required.

1.7 SPECIAL TESTS AND INSPECTIONS

A. Special Tests and Inspections: Owner will engage a qualified testing agency to conduct special tests and inspections required by authorities having jurisdiction as the responsibility of Owner, and as follows:

1. Verifying that manufacturer maintains detailed fabrication and quality-control procedures, and reviewing the completeness and adequacy of those procedures to perform the Work.
2. Notifying Architect , Construction Manager, and Contractor promptly of irregularities and deficiencies observed in the Work during performance of its services.
3. Submitting a certified written report of each test, inspection, and similar quality-control service to Architect , through Construction Manager, with copy to Contractor and to authorities having jurisdiction.
4. Submitting a final report of special tests and inspections at Substantial Completion, which includes a list of unresolved deficiencies.
5. Interpreting tests and inspections, and stating in each report whether tested and inspected Work complies with or deviates from the Contract Documents.
6. Retesting and reinspecting corrected Work.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 TEST AND INSPECTION LOG

A. Test and Inspection Log: Prepare a record of tests and inspections. Include the following:

1. Date test or inspection was conducted.
2. Description of the Work tested or inspected.
3. Date test or inspection results were transmitted to Architect.

4. Identification of testing agency or special inspector conducting test or inspection.

B. Maintain log at Project site. Post changes and revisions as they occur. Provide access to test and inspection log for Architect's, Commissioning Authority's, and Construction Manager's and authorities' having jurisdiction reference during normal working hours.

1. Submit log at Project closeout as part of Project Record Documents.

3.2 REPAIR AND PROTECTION

A. General: On completion of testing, inspection, sample-taking, and similar services, repair damaged construction and restore substrates and finishes.

1. Provide materials and comply with installation requirements specified in other Specification Sections or matching existing substrates and finishes. Restore patched areas and extend restoration into adjoining areas with durable seams that are as invisible as possible. Comply with the Contract Document requirements for cutting and patching in Section 017300 "Execution."

B. Protect construction exposed by or for quality-control service activities.

C. Repair and protection are Contractor's responsibility, regardless of the assignment of responsibility for quality-control services.

END OF SECTION

ATTACHED FORM (DSA reviewed and approved)

Division of the State Architect Form DSA 103-22 "Listing of Structural Tests & Special Inspections, 2022 CBC".

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DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number:	School Name:	School District:
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IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

NOTE: Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous ☒ Indicates that a continuous special inspection is required **Periodic** ☒ Indicates that a periodic special inspection is required **Test** ☒ Indicates that a test is required	**GE (Geotechnical Engineer)** ☒ Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. **LOR (Laboratory of Record)** ☒ Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. **PI (Project Inspector) –** Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. **SI (Special Inspection)** ☒ Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2022 CBC

Table 1705A.6, Table 1705A.7, Table 1705A.8

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Geotechnical Reports: Project has a geotechnical report, or CDs indicate soils special inspection is required by GE

	S1. GENERAL:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify that: ☒Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. ☒Foundation excavations are extended to proper depth and have reached proper material. ☒Materials below footings are adequate to achieve the design bearing capacity.	**Periodic**	**GE***	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) form for exemptions.)

	S2. SOIL COMPACTION AND FILL:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Perform classification and testing of fill materials.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer.
☑	**b.** Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. (Refer to specific items identified in the Appendix (end of this form) form for exemptions where soils SI and testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil SI and test reporting requirements for the exempt items.)
☑	**c.** Compaction testing.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer. (Refer to specific items identified in the Appendix (end of this form) for exemptions where soils testing may be conducted under the supervision of a geotechnical engineer or LOR's engineering manager. In such cases, the LOR's form DSA 291 shall satisfy the soil test reporting requirements for the exempt items.)

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	S3. DRIVEN DEEP FOUNDATIONS (PILES):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Verify pile materials, sizes and lengths comply with the requirements.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**b.** Determine capacities of test piles and conduct additional load tests as required.	**Test**	**LOR***	* Under the supervision of the geotechnical engineer.
☐	**c.** Inspect driving operations and maintain complete and accurate records for each pile.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**d.** Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and record any pile damage.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**e.** Steel piles.	Provide tests and inspections per STEEL section below.		
☐	**f.** Concrete piles and concrete filled piles.	Provide tests and inspections per CONCRETE section below.		
☐	**g.** For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	*	*	* As defined on drawings or specifications.

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Note**
☐	**a.** Inspect drilling operations and maintain complete and accurate records for each pier.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)

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	Test or Special Inspection	Type	Performed By	Code References and Note
☐	**b.** Verify pier locations, diameters, plumbness, bell diameters (if applicable), lengths and embedment into bedrock (if applicable); record concrete or grout volumes.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
☐	**c.** Confirm adequate end strata bearing capacity.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. (See Appendix (end of this form) for exemptions.)
☐	**d.** Concrete piers.	Provide tests and inspections per CONCRETE section below.		

	S5. RETAINING WALLS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Placement, compaction and inspection of backfill.	**Continuous**	**GE***	**1705A.6.1.** * By geotechnical engineer or his or her qualified representative. (See section S2 above).
☐	**b.** Placement of soil reinforcement and/or drainage devices.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**c.** Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. See DSA IR 18-2.
☑	**d.** Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐	**e.** Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

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Table 1705A.6, Table 1705A.7, Table 1705A.8

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	S6. OTHER SOILS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Soil Improvements	**Test**	**GE***	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS (California Geological Survey) for final acceptance. * By geotechnical engineer or his or her qualified representative.
☐	**b.** Inspection of Soil Improvements	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	**c.**			

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Table 1705A.3; ACI 318-19 Sections 26.12 & 26.13

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	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify use of required design mix.	**Periodic**	**SI**	**Table 1705A.3 Item 5, 1910A.1.**
☑	**b.** Identifiy, sample, and test reinforcing steel.	**Test**	**LOR**	**1910A.2;** ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	**c.** During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	**Test**	**LOR**	**Table 1705A.3 Item 6**; ACI 318-19 Sections 26.5 & 26.12.
☑	**d.** Test concrete (f'_c).	**Test**	**LOR**	**1905A.1.17;** ACI 318-19 Section 26.12.
☑	**e.** Batch plant inspection: **Continuous**	**See Notes**	**SI**	Default of '**Continuous**' per **1705A.3.3.** If approved by DSA, batch plant inspection may be reduced to '**Periodic**' subject to requirements in Section **1705A.3.3.1,** or eliminated per **1705A.3.3.2.** See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	**f.** Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

	C2. PRESTRESSED / POST-TENSIONED CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Sample and test prestressing tendons and anchorages.	**Test**	**LOR**	**1705A.3.4, 1910A.3**
☐	**b.** Inspect placement of prestressing tendons.	**Periodic**	**SI**	**1705A.3.4, Table 1705A.3 Items 1 & 9.**

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**c.** Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	**Periodic**	**SI**	**Table 1705A.3 Item 13.** Special inspector to verify specified concrete strength test prior to stressing.
☐	**d.** Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	**Continuous**	**SI**	**1705A.3.4, Table 1705A.3 Item 9;** ACI 318-14 Section 26.13

	C3. PRECAST CONCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect fabrication of precast concrete members.	**Continuous**	**SI**	ACI 318-19 Section 26.13.
☐	**b.** Inspect erection of precast concrete members.	**Periodic**	**SI***	**Table 1705A.3 Item 10.** * May be performed by PI when specifically approved by DSA.
☐	**c.** For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category D, E or F, inspect such connections and reinforcement in the field for: 1. Installation of the embedded parts 2. Completion of the continuity of reinforcement across joints. 3. Completion of connections in the field.	**Continuous**	**SI**	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5
☐	**d.** Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	**Periodic**	**SI**	Table 1705A.3; ACI 318-19 Section 26.13.1.3; ACI 550.5

	C4. SHOTCRETE (IN ADDITION TO SECTION C1):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect shotcrete placement for proper application techniques.	**Continuous**	**SI**	**1705A.3.9, Table 1705A.3 Item 7, 1908A.1, 1908A.2, 1908A.3.** See ACI 506.2-13 Section 3.4, ACI 506R-16.
☐	**b.** Sample and test shotcrete (f'_c).	**Test**	**LOR**	**1908A.2, 1705A.3.9**

	C5. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Inspect installation of post-installed anchors	**See Notes**	**SI***	**1617A.1.19, Table 1705A.3 Item 4a (Continuous) & 4b (Periodic), 1705A.3.8** (See Appendix (end of this form) for exemptions). ACI 318-14 Sections 17.8 & 26.13. * May be performed by the project inspector when specifically approved by DSA.
☑	**b.** Test post-installed anchors.	**Test**	**LOR**	**1910A.5.** (See Appendix (end of this form) for exemptions.)

	C6. OTHER CONCRETE:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.**			

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	S/A1. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification of all materials and: ☒Mill certificates indicate material properties that comply with requirements. ☒Material sizes, types and grades comply with requirements.	**Periodic**	*	**Table 1705A.2.1 Item 3a–3c.** 2202A.1; AISI S100-20 Section A3.1 & A3.2, AISI S240-20 Section A3 & A5, AISI S220-20 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	**b.** Test unidentified materials	**Test**	**LOR**	**2202A.1.**
☑	**c.** Examine seam welds of HSS shapes	**Periodic**	**SI**	DSA IR 17-3.
☑	**d.** Verify and document steel fabrication per DSA-approved construction documents.	**Periodic**	**SI**	Not applicable to cold-formed steel light-frame construction, except for trusses (**1705A.2.4**).
☐	**e.** Buckling restrained braces.	**Test**	**LOR**	Testing and special inspections in accordance with IR 22-4.

	S/A2. HIGH-STRENGTH BOLTS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	**Periodic**	**SI**	**Table 1705A.2.1 Items 1a & 1b, 2202A.1;** AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.
☑	**b.** Test high-strength bolts, nuts and washers.	**Test**	**LOR**	**Table 1705A.2.1 Item 1c, 2213A.1**; RCSC 2014 Section 7.2; DSA IR 17-8.
☑	**c.** Bearing-type (☒snug tight☒) connections.	**Periodic**	**SI**	**Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2**; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☑	**d.** Pretensioned and slip-critical connections.	*	**SI**	**Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2;** AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. *☒Continuous☒or ☒Periodic☒depends on the tightening method used.

	S/A3. WELDING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	**Periodic**	**SI**	**1705A.2.5, Table 1705A.2.1 Items 4 & 5**; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3.
☑	**b.** Verify weld filler material manufacturer's certificate of compliance.	**Periodic**	**SI**	DSA IR 17-3.
☑	**c.** Verify WPS, welder qualifications and equipment.	**Periodic**	**SI**	DSA IR 17-3.

	S/A4. SHOP WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	**b.** Inspect single-pass fillet welds ≤ 5/16" floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Items 5a.5 & 5a.6;** AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	**c.** Inspect welding of stairs and railing systems.	**Periodic**	**SI**	**1705A.2.1**; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	**d.** Verification of reinforcing steel weldability other than ASTM A706.	**Periodic**	**SI**	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	**e.** Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A5. FIELD WELDING (IN ADDITION TO SECTION S/A3):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4;** AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☑	**b.** Inspect single-pass fillet welds ≤ 5/16	**Periodic**	**SI**	**Table 1705A.2.1 Item 5a.5;** AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	**c.** Inspect end-welded studs (ASTM A-108) installation (including bend test).	**Periodic**	**SI**	**2213A.2;** AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	**d.** Inspect floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2, Table 1705A.2.1 Item 5a.6;** AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☑	**e.** Inspect welding of structural cold-formed steel.	**Periodic**	**SI***	**1705A.2.5; AWS D1.3; DSA IR 17-3.** The quality control provisions of AISI S240-20 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☑	**f.** Inspect welding of stairs and railing systems.	**Periodic**	**SI***	**1705A.2.1;** AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	**g.** Verification of reinforcing steel weldability.	**Periodic**	**SI**	**1705A.3.1;** AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	**h.** Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8;** AWS D1.4; DSA IR 17-3.

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	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A6. NONDESTRUCTIVE TESTING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Ultrasonic	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	**b.** Magnetic Particle	**Test**	**LOR**	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	**c.**	**Test**	**LOR**	

	S/A7. STEEL JOISTS AND TRUSSES:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	**Continuous**	**SI**	**1705A.2.3, Table 1705A.2.3;** AWS D1.1; DSA IR 22-3 for steel joists only. **1705A.2.4;** AWS D1.3 for cold-formed steel trusses.

	Test or Special Inspection	Type	Performed By	Code References and Notes
	S/A8. SPRAYED FIRE-RESISTANT MATERIALS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	**Periodic**	**SI**	**1705A.15, 1705A.1, 1705A.2, 1705A.3, 1705A.4.**
☐	**b.** Test density.	**Test**	**LOR**	**1705A.15.1, 1705A.15.5, ASTM E736**
☐	**c.** Bond strength adhesion/cohesion.	**Test**	**LOR**	**1705A.15.1, 1705A.15.4, ASTM E605**

	S/A9. ANCHOR BOLTS AND ANCHOR RODS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Anchor Bolts and Anchor Rods	**Test**	**LOR**	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
☑	**b.** Threaded rod not used for foundation anchorage.	**Test**	**LOR**	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

	S/A10. STORAGE RACK SYSTEMS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	**Periodic**	**SI**	Table 1705A.13.7
☐	**b.** Fabricated storage rack elements.	**Periodic**	**SI**	1704A.2.5; Table 1705A.13.7

	Test or Special Inspection	Type	Performed By	Code References and Notes
☐	**c.** Storage rack anchorage installation.	**Periodic**	**SI**	ANSI/MH16.1 Section 7.3.2; Table 1705A.13.7
☐	**d.** Completed storage rack system to indicate compliance with the approved construction documents.	**Periodic**	**SI***	Table 1705A.13.7; * May be preformed by the project inspector when specifically approved by DSA.

	S/A11. Other Steel			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Blind Fasteners	**Periodic**	**SI**	Table 1705A.2.1 Item 1c, 2213A.1; RSCS 2014 Section 7.2; DSA IR 17-8

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1705A.5, Table 1705A.5.7

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	W1. PREFABRICATED WOOD TRUSSES:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect fabrication of manufactured open-web trusses.	**Continuous**	**SI**	**1705A.5.6**; DSA IR 23-8.
☐	**b.** Inspect fabrication of manufactured metal-plate-connected trusses.	**Continuous**	**SI**	**1705A.5.6, 1705A.5.7**; DSA IR 23-4.

	W2. MANUFACTURED WOOD STRUCTURAL ELEMENTS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.** Inspect fabrication of structural glued-laminated timber.*	**Continuous**	**SI**	* See **1705A.5.5** for exceptions
☐	**b.** Inspect fabrication of cross-laminated timber.	**Continuous**	**SI**	**1705A.5.5**
☐	**c.** Inspect erection of mass timber.	**Peridodic**	**SI**	**Table 1705A.5.3**, Item 2
☐	**d.** Inspect mass timber connections with threaded fasteners, bolts, and/or adhesive anchors other than described in item e below. Inspect concealed mass timber connections.	**Peridodic**	**SI**	**Table 1705A.5.3**, Items 3.1, 3.3, 3.4, 3.5. For threaded fasteners: Verify use of proper installation equipment. Verify use of pre-drilled holes where required. Inspect screws, including diameter, length, head type, spacing, installation angle, and depth.
☐	**e.** Inspect mass timber connections with adhesive anchors installed in a horizontal or upward orientation.	**Continuous**	**SI**	**Table 1705A.5.3**, Item 3.2
☐	**f.** Inspect application of sealants or adhesives applied to mass timber elements.	**Peridodic**	**SI**	**1705A.20**

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (WOOD), 2022 CBC

1705A.5, Table 1705A.5.7

Application Number:	**School Name:**	**School District:**
01-120890	Napa Valley College	Napa Valley Community College District
DSA File Number:	**Increment Number:**	**Date Created:**
28-C1		2023-08-01 16:29:06

	W3. OTHER Wood:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	**a.**			

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number:	School Name:	School District:
01-120890	Napa Valley College	Napa Valley Community College District
DSA File Number:	**Increment Number:**	**Date Created:**
28-C1		2023-08-01 16:29:06

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. **Items marked as exempt shall be identified on the approved construction documents**. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

	CONCRETE/MASONRY:
☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number:	School Name:	School District:
01-120890	Napa Valley College	Napa Valley Community College District
DSA File Number:	**Increment Number:**	**Date Created:**
28-C1		2023-08-01 16:29:06

	CONCRETE/MASONRY:
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

	WELDING:
☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8□0□above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30□above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2022 CBC

Application Number:	School Name:	School District:
01-120890	Napa Valley College	Napa Valley Community College District
DSA File Number:	**Increment Number:**	**Date Created:**
28-C1		2023-08-01 16:29:06

Name of Architect or Engineer in general responsible charge:

Name of Structural Engineer (When structural design has been delegated):

Chris S. Warner

Signature of Architect or Structural Engineer:

Date:

8/30/2023

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

DSA STAMP

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 05/20/2024

DSA 103-22: LIST OF REQUIRED VERIFIED REPORTS, CBC 2022

Application Number:	School Name:	School District:
01-120890	Napa Valley College	Napa Valley Community College District
DSA File Number:	**Increment Number:**	**Date Created:**
28-C1		2023-08-01 16:29:06

1. Soils Testing and Inspection: Geotechnical Verified Report Form DSA 293
2. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
3. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
4. Post-installed Anchors: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
5. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
6. Field Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
7. High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

SECTION 10 11 00

VISUAL DISPLAY UNITS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Visual display board assemblies.
   a. Magnetic dry erase boards with tray, eraser and markers.

1.2 ACTION SUBMITTALS

A. Product Data:

1. Visual display board assemblies.

B. Product Data Submittals: For each product.

1. Include construction details, material descriptions, dimensions of individual components and profiles, finishes, and accessories for visual display units.

1.3 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Product Test Reports: For each visual display unit, for tests performed by manufacturer and witnessed by a qualified testing agency.

C. Sample Warranties: For manufacturer's special warranties.

1.4 CLOSEOUT SUBMITTALS

A. Operation and Maintenance Data: For visual display units to include in maintenance manuals.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Deliver factory-fabricated visual display units completely assembled in one piece. If dimensions exceed maximum manufactured unit size, or if unit size is impracticable to ship in one piece, provide two or more pieces with joints in locations indicated on approved Shop Drawings.

1.7 FIELD CONDITIONS

A. Environmental Limitations: Do not deliver or install visual display units until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work above ceilings is complete, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

1.8 WARRANTY

A. Special Warranty for Porcelain-Enamel Face Sheets: Manufacturer agrees to repair or replace porcelain-enamel face sheets that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to, the following:

a. Surfaces lose original writing and erasing qualities.
b. Surfaces exhibit crazing, cracking, or flaking.

2. Warranty Period:

a. 50 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

A. Surface-Burning Characteristics: Comply with ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Flame-Spread Index: 25 or less.
2. Smoke-Developed Index: 50 or less.

2.2 VISUAL DISPLAY BOARD ASSEMBLIES

A. Basis of Design: GMI Companies, Ghent, M1 Series.

B. Visual Display Board Assembly: factory fabricated.

1. Assembly: Magnetic porcelain coated markerboard.
2. Corners: Square.

3. Width: As indicated on Drawings.
4. Height: As indicated on Drawings.
5. Mounting Method: Direct to wall.

C. Markerboard Panel: Porcelain-enamel-faced markerboard panel on core indicated.

1. Color: White.

D. Aluminum Frames and Trim: Fabricated from not less than 0.062-inch-thick, extruded aluminum; standard size and shape.
1. Aluminum Finish: Clear anodic finish.

E. Joints: Make joints only where total length exceeds maximum manufactured length. Fabricate with minimum number of joints,.

F. Chalktray: Manufacturer's standard; continuous.
1. Solid Type: Extruded aluminum with ribbed section and smoothly curved exposed ends.

2.3 MARKERBOARD PANELS

A. Porcelain-Enamel Markerboard Panels: Balanced, high-pressure, factory-laminated markerboard assembly of three-ply construction, consisting of moisture-barrier backing, core material, and porcelain-enamel face sheet with high-gloss finish. Laminate panels under heat and pressure with manufacturer's standard, flexible waterproof adhesive.

1. Face Sheet Thickness: 0.015 inch uncoated base metal thickness.
2. Fiberboard Core: 3/8 inch thick; with 0.015-inch-thick, aluminum plated polyester sheet backing.
3. Laminating Adhesive: Manufacturer's standard moisture-resistant thermoplastic type.

2.4 MATERIALS

A. Porcelain-Enamel Face Sheet: PEI-1002, with face sheet manufacturer's standard two- or three-coat process.

B. Fiberboard: ASTM C208 cellulosic fiber insulating board.

C. Extruded Aluminum: ASTM B221, Alloy 6063.

2.5 GENERAL FINISH REQUIREMENTS

A. Comply with NAAMM/NOMMA AMP 500 for recommendations for applying and designating finishes.

B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

C. Appearance of Finished Work: Noticeable variations in same piece are unacceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.6 ALUMINUM FINISHES

A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.

2.7 ACCESSORIES

A. Erasers: Manufacturer’s standard dry eraser unit. Provide (1) eraser per display unit.

B. Markers: Provide manufacturer recommended dry erase pens. (3) colors: Black, Blue and Red. (1) set of markers per display unit.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, surface conditions of wall, and other conditions affecting performance of the Work.

B. Examine walls and partitions for proper preparation and backing for visual display units.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Comply with manufacturer's written instructions for surface preparation.

B. Clean substrates of substances, such as dirt, mold, and mildew, that could impair the performance of and affect the smooth, finished surfaces of visual display boards.

3.3 INSTALLATION

A. General: Install visual display surfaces in locations and at mounting heights indicated on Drawings, or if not indicated, at heights indicated below. Keep perimeter lines straight, level, and plumb. Provide grounds, clips, backing materials, adhesives, brackets, anchors, trim, and accessories necessary for complete installation.

3.4 CLEANING AND PROTECTION

A. Clean visual display units in accordance with manufacturer's written instructions. Attach one removable cleaning instructions label to visual display unit in each room.

B. Touch up factory-applied finishes to restore damaged or soiled areas.

C. Cover and protect visual display units after installation and cleaning.

END OF SECTION

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WINE EDUCATION CENTER
NAPA VALLEY COLLEGE

ADDENDUM NUMBER 3

PROJECT ADDRESS
2277 Napa Vallejo Hwy
Napa, CA 94558

OWNER
NAPA VALLEY COLLEGE

DATE
APRIL 18, 2024

TLCD PROJECT NUMBER
21062.00

DSA APPLICATION NUMBER:
01-120890

Note: The following changes, modifications and additions to the Project Manual and Drawings described within this Addendum are made a part thereof and are subject to all of the requirements thereof as if originally specified.

111 SANTA ROSA AVENUE, #300
SANTA ROSA, CA 95404
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ADDENDUM NUMBER 3

WINE EDUCATION CENTER

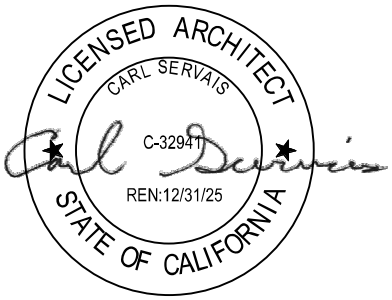
NAPA VALLEY COLLEGE

2277 Napa Vallejo Hwy

Napa, CA 94558

DSA APPLICATION #01-120890

STAMPS, SIGNATURES AND APPROVALS



ARCHITECT
Carl Servais
C32941

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ADDENDUM NUMBER 3

To the Plans and Specifications for:

WINE EDUCATION CENTER
NAPA VALLEY COLLEGE

DSA File No. 28-C1
DSA Application No. 01-120890

Date: April 18, 2024

RESPONSES TO BIDDER'S REQUESTS FOR INFORMATION (RFI'S)

Refer to Addendum 2 for responses to questions 1 through 10, unless otherwise noted below.

Question 4: Subsection 3.1A in specification section 02 41 10 notes "Tanks: Remove tanks within construction area; pump out buried tanks located outside construction area, fill tanks with sand or fine gravel and cover with fill unless otherwise indicated." However, the demolition drawings do not show any tank demolition or removal. Please confirm there are no tanks that need to be demolished or pumped out.

Response: ***There are no known underground tanks in the project area. (TLCD, Brelje & Race)***

Question 8: Section 11.b.2 in General Conditions notes the Contractor shall include in their bid costs builders risk insurance. Please advise if the policy should cover earthquakes and floods.

Response: ***The contractor's builders risk insurance requirement to cover floods and earthquake coverage is optional. (NVC)***

Question 11: The mechanical control specifications for this project indicate that there is an existing Delta Control System at this campus and this new project is to be integrated into the existing BMS. Is this project open to bid for all Delta Controls dealers?

Response: ***BMS controls will need to be through Delta Controls, Honeywell products will not be acceptable. EMCOR/Mesa Energy Systems has been identified as "proprietary" on our controls system. (NVC)***

Question 12: Specification section 09 65 25 STATIC RESISTANT FLOORING calls for static resistant (conductive) resilient tile flooring. However, the contract documents do not show where this specification section applies. Please clarify if this project requires any

Response: ***Refer to the Finish Code List, item RF2, which is a static conductive floor tile. This material is identified in the Room Finish Schedule – Phase 1 at room 112 BDF. Refer to Addendum 3 for additional response. (TLCD)***

Question 13: Sheet A-251 refers to specification section "12 31 00" for Laboratory Cabinets details. The project manual does not include a specification section 12 31 00. Please provide missing specification seciton.

Response: ***Refer to Addendum 3 for response. (TLCD)***

Question 14: Sheet A-252 does not show specifications, manufacturer, or material information for cabinets in the sensory classroom. Please provide spec/ material/ details for cabinets that are to be used in the sensory classrooms.

Response: ***Refer to Addendum 3 for response. (TLCD)***

Question 15: The project manual includes specification section "06 40 00 - Architectural Woodwork" that calls for Plastic Laminate Casework & Countertops. However, specification section 06 40 00 is not called out anywhere on the project drawings. Please clarify where this specification section applies and provide location at which Plastic Laminate Casework and Countertops will be required.

Response: ***Refer to Addendum 3 for response. (TLCD)***

Question 16: The Bid Book includes a Bid Proposal Form beginning on Page 10 which includes a questionnaire. A questionnaire was already submitted in the RFQ process for this project. Is this information required again?

Response: ***The competed questionnaire shall be included with the bid package. (Kitchell)***

Question 17: The end user has schneider controls and its Building Management System, does the new controls need to integrate with the existing BMS system or can it be stand alone? Furthermore, are we bidding the controls or the thermostat? Please confirm if Honeywell can be an acceptable manufacture for the BMS system.

Response: ***BMS controls will need to be through Delta Controls, Honeywell products will not be acceptable. EMCOR/Mesa Energy Systems has been identified as "proprietary" on our controls system. (NVC)***

Question 18: Stainless steel partitions are listed with Flush metal or General partitions, is it acceptable to utilize Hadrian as an equal or better?

Response: Refer to Addendum 3 for response. (TLCD)

Question 19: Sheet LF-401 shows an undercounter refrigerator at the North wall of the Lab Prep room. Interior elevation drawing 5/LF-501 shows an open space at the same location instead of an undercounter refrigerator. Please clarify if the the contractor needs to include an undercounter refrigerator at that location. If yes, please provide specs/details/manufacturer and model number.

Response: Refer to Addendum 3 for response. (TLCD)

Question 20: Sub Section 2.2a.1 in specification section 10 22 20 (Operable Partitions) requires the operable partition to have an STC rating of 55 or 56. Sub Section 2.2d.3 in the same specification section requires the operable partition to have a minimum of 0.75 NTC. As per Operable Partition sub contractors, these two ratings work agasint each other and that 0.75 NTC is not acheivable with an STC rating of 55 or 56. Please confirm that 0.75 NTC rating requirement can be waived from the specification section 10 22 20 (Operable Partitions).

Response: Refer to Addendum 3 for response. (TLCD)

Question 21: Keynote .041 om sheet A-251 calls for undercounter wine coolers under the ADA countertop. Please provide specs/ details/ manufacturer and model number.

Response: Refer to Addendum 3 for response. (TLCD)

Question 22: The Bid proposal Form lists Additive/Deductive Alternate #1, #2 & #3 (if applicable). Will there be any alternate's to this project or is this just the "standard bid form?"

Response: No bid alternates will be included in the bid. The bid alternate lines on the form shall remain blank.

Question 23: The Door Schedule on sheet A-601 shows wood material and Door Type 2 for doors in Room 102 and Room 103, however detail 16 on the same sheet shows that Door Type 2 are storefront doors. Please confirm that the door material for Rooms 102 and 103 is aluminum and will be storefront doors.

Response: Refer to Addendum 3 for response. (TLCD)

Question 24: Sheet E-102 shows a conduit/feeder "LD" coming from "MSW" to phase 2 building. Since Phase 2 is not a part of scope at this point, we would recommend that we install

the conduit and pull box with pull string only, close to the location (15 feet from phase 2 building) for future use. Please confirm if this is acceptable.

Response: ***The contractor's suggested Phase 1 raceway provisions - for the Phase 2 power feeder to Panel LD - are acceptable to the design team.***

Question 25: Door schedule on sheet A-601 shows fire rated glass for doors 113A and 115A however openings are not marked as fire rated. Please confirm if opening will be fire rated for doors 113A and 115A.

Response: ***Refer to Addendum 3 for response. (TLCD)***

Question 26: Detail 3 on sheet L-204 shows 1"x1" skate deterent notch cutouts for benches, however the Streetlife who is the specificed manufacturer does not recommend the notches any longer due to their ineffectiveness. Streetlife recommends using anti-skate fins in place of the skate deterent notch cutouts. Please confirm if the anti-skate fins are acceptable in lieu of the skate deterent notch cutouts.

Response: ***Comply with detail 3/L-204. Anti-skate fins are not required. (TLCD, RHAA)***

Question 27: Specification section 32 33 00 sub section 2.6 refer to skate deterent, however there is no model number and manufacturer detail provided. Please provide the model and manufacturer information for skate deterents for concrete seat walls and retaining walls.

Response: ***Comply with detail 3/L-204. Anti-skate fins are not required. (TLCD, RHAA)***

Question 28: 1. Please confirm the fabrication type of the interior panel signs (The specifications section provides a manufacturer list which uses different fabrication processes) Vomar: Inlaid process, overlay process & applied process.Mohawk: Sandcarved, engraving , subsurface process etc. Can we substitute these with UV printed Acrylic Panels?

2. Please confirm if we can substitute fabrication of Evacuation signs from Silk-screened or photopolymer polycarbonate with UV printed back painted Acrylic?

3. Please confirm if Non Accessible Building Address Sign is required. If yes, please share quantities or locations.

Response: ***1. Refer to specification Section 01 25 00 SUBSTITUTION PROCEDURES for requirements to submit products for substitution.***

2. Evacuation signage is not required for this building.

3. Assumption: This question refers to the exterior building signage identified on Drawing 4/A-201. This signage, per DRAWING NOTE .111, and REFERENCE

KEYNOTE 10 14 00.P and 10 14 00.T, is specified in Section 10 14 00-2.2.D as Halo-Lit Signage.

Question 29: 1. The Limit of work for phase 2 is different between civil plan sheet C-101 and architect plan sheet A-102. Please clarify.
2. Please provide method of sleeve installation under existing paving shown on L-401.
3. Please provide location for soil sensors per irrigation legend on sheet L-400.
4. Ref to specs part 3.3 section 32 84 00, lateral line is 18" depth. However, the detail 7/L-402 shows 12" -16". Please clarify.
5. Shall the 12" depth of imported topsoil be required for all planting areas per specs section 3.4/32 90 00?

Response: ***1. Refer to Addendum 3 for response. (TLCD)***
2. Contractor to determine as part of means and methods. (RHAA)
3. Contractor to coordinate soil sensor locations with controller manufacturer upon completion of controller installation. (RHAA)
4. Lateral to be 18" deep. (RHAA)
5. It's anticipated that much of the existing soil will be amended per laboratory recommendations. Refer to Planting spec 32 90 00 section 2.2.D when determining the need for top soil. Depths to align with depth of planting container rootball sizes (5 gal for shrubs and 36 box for trees). (RHAA)

END OF BIDDER'S REQUEST FOR INFORMATION

CHANGES TO THE PROJECT MANUAL

1.1 CHANGE to specification Section 00 01 10 TABLE OF CONTENTS (Refer to specification Section attached):

A. ADD Section "09 77 20 ACOUTSICAL WALL SYSTEM" to the TABLE OF CONTENTS.

1.2 CHANGES to specification Section 09 65 25 STATIC RESISTANT FLOORING (Refer to specification Section attached):

A. CHANGE from Vinyl Composition Tile to Resilient Rubber Tile. Basis of Design as indicated on drawing A-601 FINISH CODE LIST.

1.3 ADD specification Section 09 77 20 ACOUSTICAL WALL SYSTEM (Refer to specification Section attached).

1.4 CHANGES to specification Section 10 21 10 METAL TOILET COMPLARTMENTS (Refer to specification Section attached):

A. ADD Hadrian Solutions ULC to list of Systems Manufacturers.

B. CHANGE:
1. Style of units from floor and ceiling anchored to overhead braced.
2. Size of panel height.
3. Change from stirrup type U-brackets to full-height continuous brackets.

1.5 CHANGE to specification Section 10 22 20 OPERABLE PARTITIONS (Refer to specification Section attached):

A. DELETE requirements in part 2.2.D from specification.

CHANGES TO THE PROJECT DRAWINGS

1.6 CHANGE to DRAWING NOTE 0.41:

A. ADD: "PERLICK MODEL HA24WB-4-3R/L(L)." Product shall include the following features:
1. Commercial grade stainless steel interior and exterior.
2. Glass vision door.
3. Stainless steel wire wine shelves with full extension, vibration dampened stainless steel ball-bearing glides.
4. Audible alarm if door is held open.
5. LED lighting (Color: blue or white. To be determined by owner).
6. 32 bottle minimum capacity.
7. Stainless steel vertical door pull. Right or left side to be determined by Owner.
8. Factory installed lock. Provide 3 keys minimum.

1.7 CHANGE all laboratory cabinet casework specification section references from 12 31 00 MANUFACTURED LABORATORY CASEWORK to Section 12 35 53 LABORATORY CASEWORK SYSTEM AND ACCESSORIES.

1.8 CHANGE to drawings A-102 PARTIAL SITE PLAN – PHASE 1 and A-103 PARTIAL SITE PLAN – PHASE 2:

A. CHANGE the location of the Phase 1 & 2 demarcation line along the north side of the Tasting building to match the location of the line shown on drawings C-100 and L-210, which

aligns with a pavement joint, an allows the bench to the east between the tree walls to be constructed within the Phase 1 scope.

1.9 CHANGE to Detail 12/A-561, CASEWORK NOTES:

A. ADD: Note “G. Casework identification symbol below the cabinet elevations refer to the North American Architectural Woodwork Standard Cabinet Design Series standards, configurations, hardware and accessories. The top number is the cabinet configuration. The tree numbers below the top number refer to the cabinet width x height x depth. All casework with this identifier symbol are specified in Section 06 40 00 ARCHITECTURAL WOODWORK.”

B. ADD: Note “H. All casework in rooms Wine Lab 104 and Lab Prep 105 shall be laboratory casework specified in Section 12 35 53 LABORATORY CASEWORK SYSTEM AND ACCESSORIES, with epoxy resin countertops and backsplashes specified in Section 12 36 61 SOLID SURFACING COUNTERTOPS, and as indicated in the Laboratory Furnishings drawings.”

C. ADD: Note “J. Casework countertops and backsplashes in the following rooms shall be finish code SSM1 epoxy resin as specified in Section 12 36 61 SOLID SURFACING COUNTERTOPS.
1. Phase 1: Sensory Classroom 113, Sensory Prep 114, Sensory Classroom 115.
2. Phase 2: Prep 117.”

D. ADD: Note “K. Casework countertops and backsplashes in the following rooms shall be finish code SSM2 FSC-certified thermoset paper composite as specified in the Finish Code List on drawing A-601.
1. Phase 2: Bar casework in room Hospitality 116.”

E. ADD: Note “L. Casework in the following rooms shall be plastic laminate as specified in Section 06 40 00 ARCHITECTURAL WOODWORK. Plastic laminate color to be selected by Architect – refer to 06 40 00-2.1.B.2.C.
1. Phase 1: Custodial 110, Sensory Classroom 113, Sensory Prep 114, and Sensory Classroom 115.”
2. Phase 2: Bar casework in room Hospitality 116 and Prep 117.
   a. Exceptions: Blackened steel wall panels at Hospitality 116 bar as indicated on drawings.”

1.10 CHANGE to drawing A-601, DOOR SCHEDULE:

A. CHANGE Door numbers 102 and 103 from door type 2 (aluminum) to door type 3 (flush wood).

B. CHANGE Door glazing at door numbers 113A and 115A from FIRE RATED to TEMPERED. The door openings are located in non-fire-rated wall assemblies.

1.11 CHANGES to A-601 FINISH CODE LIST:

A. DELETE: “Heat weld seams” from RF1 And RF2.

1.12 CHANGE to Drawing 1/E-301:

A. CHANGE Location of undercounter refrigerator power receptacle in room Lab Prep 105 from west wall (see note 6) to the north wall in the location shown on drawing 1/LF-401 in open cabinet KS27. The equipment is owner-furnished-owner-installed per LAB SYMBOL LEGEND on drawing LF-001.

ATTACHMENTS

PROJECT MANUAL:

Note: Additions to attached specifications are identified in ***bold-Italic print.***

Deletions to attached specifications are identified in ~~gray strikethrough print.~~

00 01 10 Table of Contents
09 65 25 Static Resistant Flooring
09 77 20 Acoustical Wall System
10 21 10 Metal Toilet Compartments
10 22 00 Operable Partitions

DRAWINGS:

None.

END OF ADDENDUM NUMBER 3

SECTION 00 01 10

TABLE OF CONTENTS

PROJECT MANUAL
INTRODUCTORY INFORMATION

PROCUREMENT AND CONTRACTING REQUIREMENTS
~~**CONTRACTING REQUIREMENTS (Addendum 1)**~~

SPECIFICATIONS GROUP

DIVISION 01 – GENERAL REQUIREMENTS

DIVISION 13 – SPECIAL CONSTRUCTION

Not used.

DIVISION 14 – CONVEYING EQUIPMENT

Not used.

DIVISION 21 – FIRE SUPPRESSION

DIVISION 22 – PLUMBING

DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING

DIVISION 26 – ELECTRICAL

DIVISION 27 – COMMUNICATIONS

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

DIVISION 31 – EARTHWORK

DIVISION 32 – EXTERIOR IMPROVEMENTS

END OF SECTION

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SECTION 09 65 25

STATIC RESISTANT FLOORING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide static resistant (conductive) resilient tile flooring and accessories as required for complete finished installation.

B. Related Sections:

1. Section 09 65 10: Resilient base.
2. Section 09 65 20: Resilient tile flooring.
3. Section 09 68 10: Tile carpeting edge strips.

1.2 SUBMITTALS

A. Product Data: Furnish manufacturer's product literature including information regarding static resistance (conductivity).

B. Samples: Furnish samples of each type of flooring color and pattern.

1.3 QUALITY ASSURANCE

A. Sustainability Requirements: Comply with *CAL*Green requirements including those relative to finish material pollution control for adhesives and resilient flooring.

1.4 SITE CONDITIONS

A. Ensure floor surfaces are smooth and flat.

B. Ensure concrete floors are dry and exhibit negative alkalinity, carbonizing, and dusting.

C. Maintain minimum 70-degree F air temperature at flooring installation area for three days prior to, during, and for 24 hours after installation.

D. Store flooring materials in area of application; allow three days for material to reach same temperature as area.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. Armstrong Flooring/Static Dissipative Excelon SDT.

B. VPI Corporation/ESD Static Control Tile.

C. Substitutions: Refer to Section 01 25 00.

D. Basis of Design: Nora systems, Inc., Noraplan Sentica ED

2.2 MATERIALS

A. System Description: Provide static resistant resilient tile flooring and accessories.

B. Regulatory Requirements, Flammability: Provide materials tested under ASTM E648, Flooring Radiant Panel Test, with results of 0.45 watts/sq cm or higher.

C. Regulatory Requirements, Slip-Resistance: Hard surface finishes to comply with requirements of authorities having jurisdiction for slip-resistant hard surfaces, including general code requirements and access for persons with disabilities.

D. Performance Criteria, Conductivity (Static Resistance): Meet UL Standard 779, Standard for Electricity Conductive Flooring.

E. Static Resistant ***Resilient Rubber Tile*** ~~Vinyl Composition Tile (VCT): 12" by 12" by 1/8" thick; vinyl composition tile conforming to ASTM F1066, Composition 1.~~ ***610mm by 610mm by 3mm thick; nora vulcanized rubber compound 913.***

1. Color and Pattern: As indicated on Finish Schedule as selected by Architect from manufacturer's full range of available colors where not otherwise indicated.

2. Static Dissipative Flooring: Provide conductive type tile flooring designed to conduct static charges to grounding cables preventing static buildup. Provide accessories as required for complete static dissipative flooring system.

F. Edge Strips: Homogeneous vinyl or rubber, tapered or bullnose edge, color as selected by Architect.

G. Sub-Floor Filler: White premixed latex-cement paste designed for providing thin solid surface for leveling and minor ramping of subsurface to adjacent floor finishes.

1. Use material capable of being applied and feathered out to adjacent floor without spalling.

H. Primers and Adhesives: Waterproof nontoxic types as recommended by flooring manufacturer for specified material and application.

PART 3 - EXECUTION

3.1 PREPARATION

A. Conform to manufacturer's recommendations for preparation and to ASTM F710.

B. Remove sub-floor ridges and bumps; fill low spots, cracks, joints, holes, and defects with sub-floor filler.

C. Clean floor and apply, trowel and float filler to leave smooth, flat hard surface; prohibit traffic until filler is cured.

D. Test substrate for moisture content in accordance with flooring manufacturer recommendations; where moisture content exceeds recommendations take measures recommended by flooring manufacturer.

3.2 INSTALLATION

A. Conform to manufacturer recommendations and installation instructions including special instructions to ensure static resistance (conductivity) of flooring installation.

1. Open floor tile cartons, enough to cover each area, and mix tile to ensure shade variations do not occur within any one area.

B. Spread cement evenly in quantity recommended by manufacturer to ensure adhesion over entire area of installation; spread only enough adhesive to permit installation of flooring before initial set.

C. Set flooring in place using methods to ensure full adhesion.

D. Lay flooring with joints parallel to building lines to produce symmetrical pattern.

E. Install minimum 1/2 tile at room and area perimeter.

F. Terminate resilient flooring at centerline of door openings where adjacent floor finish is dissimilar.

G. Install edge strips at unprotected and exposed edges where flooring terminates.

H. Scribe flooring to walls, columns, floor outlets and other appurtenances, to produce tight joints.

I. Consult with Architect for floor pattern desired in each area.

J. Edge Strips: Install where edge of tile would otherwise be exposed; butt to flooring without gaps; set in adhesive.

3.3 CLEAN-UP AND PROTECTION

A. Remove excess adhesive from floor, base, and wall surfaces without causing damage.

B. Prohibit traffic from floor for 48 hours after installation.

END OF SECTION

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SECTION 09 77 20

ACOUSTICAL WALL SYSTEM

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section includes shop-fabricated, acoustical wall panel units tested for acoustical performance, including the following:

1. Sound-absorbing wall panels directly attached to framing.
2. Perimeter trims.

B. Related Requirements:

1. Section 09 21 00 Gypsum Board Assemblies for GA level 4 finish requirements.
2. Section 09 90 00 Painting and Coating for pained finish.

1.3 DEFINITIONS

A. NRC: Noise Reduction Coefficient.

1.4 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.5 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include panel edge, core material, perimeter trims, mounting screws, joint compounds, and finish texture compounds.

B. Shop Drawings: For system assembly and installation.

1. Include plans, elevations, sections, and mounting details.
2. Include details at panel head, base, joints, corners, and details at ceiling, floor base, and wall intersections. Indicate panel edge profile and core materials.

3. Include details at cutouts and penetrations for other work.

1.6 INFORMATIONAL SUBMITTALS

A. Coordination Drawings: Elevations and other details, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:

1. Electrical outlets, switches, and thermostats.
2. Items penetrating or covered by units including the following, where applicable:
a. Lighting fixtures.
b. Air outlets and inlets.
c. Speakers.
d. Alarms.
e. Sprinklers.
f. Access panels.

B. Product Certificates: For each type of system.

C. Sample Warranty: For manufacturer's special warranty.

1.7 CLOSEOUT SUBMITTALS

A. Maintenance Data: For each type of system to include in maintenance manuals. Include manufacturers' written cleaning and stain-removal instructions.

1.8 QUALITY ASSURANCE

A. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials, fabrication, and installation.
1. Build mockup of typical wall area 48 inches wide by full height. Include intersection of wall and ceiling, corners, and perimeters.
2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Comply with system manufacturers' written instructions for minimum and maximum temperature and humidity requirements for shipment, storage, and handling.

B. Deliver materials in unopened bundles and store in a temperature-controlled dry place with adequate air circulation.

1.10 FIELD CONDITIONS

A. Environmental Limitations: Do not install system until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work at and above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

B. Lighting: Do not install system until a lighting level of not less than 50 fc is provided on surfaces to receive the units.

C. Air-Quality Limitations: Protect system from exposure to airborne odors, such as tobacco smoke, and install under conditions free from odor contamination of ambient air.

D. Field Measurements: Verify system locations and actual dimensions of openings and penetrations by field measurements before fabrication, and indicate them on Shop Drawings.

1.11 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace system and components that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to the following:
a. Acoustical performance.
b. Sagging, distorting, or releasing from substrate.
c. Warping of core.
2. Warranty Period: Ten years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain acoustical wall system specified in this Section from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics: Units shall comply with "Surface-Burning Characteristics" or "Fire Growth Contribution" Subparagraph below, or both, as determined by testing identical products by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:

1. Surface-Burning Characteristics: Comply with ASTM E84 or UL 723; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
a. Flame-Spread Index: 25 or less.
b. Smoke-Developed Index: 450 or less.

2.3 SOUND-ABSORBING WALL UNITS

A. Sound-Absorbing Wall Panel: Manufacturer's standard panel construction consisting of spray applied fine texture finish compound over setting and dry tap compounds over acoustical wall panels mechanically secure to wall framing.

1. *Basis of Design: Armstrong World industries, AcoustiBuilt Seamless Acoustical Wall System.*
2. *Panel Shape: Flat.*
3. *Mounting: Mechanically secured to framing with drywall screws.*
4. *Core: Manufacturer's standard mineral-fiber board.*
   a. *Core-Face Layer: Manufacturer's standard fine texture.*
5. *Edge Construction: Manufacturer's standard.*
6. *Edge Profile: Tapered.*
7. *Acoustical Performance: Sound absorption NRC of 0.80 according to ASTM C423 for mounting according to ASTM E795.*
8. *Nominal Core Thickness: 7/8 inches.*
9. *Panel Width: 48 inches.*
10. *Panel Height: 72 inches.*

2.4 MATERIALS

A. Core Materials:
1. *Mineral-Fiber Board: Maximum flame-spread and smoke-developed indexes of 25 and 10, respectively; minimum density of 13 lb/cu. ft., and with perforated surface.*

B. Spray Applied Finish: Spray applied fine texture finish compound, GA level 4, per manufacturer's written instructions.

C. Mounting Devices:
1. *Mechanical Attachment to Framing: #6 Coarse thread drywall screws spaced per manufacturer's written instructions.*

D. Perimeter Trim at Reveal:
1. *Armstrong, Trim-Tex AS 7/8" L bead (AS4350).*

2.5 FABRICATION

A. Standard Construction: Use manufacturer's standard construction unless otherwise indicated; with spray applied finish to face and edges of dimensionally stable core.

B. Dimensional Tolerances of Finished Units: Plus or minus 1/16 inch for the following:

1. *Thickness.*
2. *Edge straightness.*
3. *Overall length and width.*
4. *Squareness from corner to corner.*

5. Chords, radii, and diameters.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine panel units, substrates, areas, and conditions for compliance with requirements, installation tolerances, and other conditions affecting unit performance.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install units in locations indicated. Unless otherwise indicated, install units with vertical surfaces and edges plumb, top edges level and in alignment with other units, faces flush, and scribed to fit adjoining work accurately at borders and at penetrations.

B. Comply with manufacturer's written instructions for installation of units using type of mounting devices indicated. Mount units securely to supporting framing.

3.3 INSTALLATION TOLERANCES

A. Variation from Plumb and Level: Plus or minus 1/16 inch in 48 inches, noncumulative.

B. Variation of Joint Width: Not more than 1/32-inch variation from hairline in 48 inches, noncumulative.

3.4 CLEANING

A. Clip loose threads; remove pills and extraneous materials.

B. Clean panels on completion of installation to remove dust and other foreign materials according to manufacturer's written instructions.

END OF SECTION

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SECTION 10 21 10

METAL TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide special height panel stainless-steel no-sight type privacy partitions for toilet compartments including hardware, attachment devices, and integral accessories as required for complete installation.

1. Urinal Screens: Provide wall mounted stainless-steel partitions for urinal screens including attachment hardware for complete finished installation.

B. Related Sections:

1. Section 10 28 00: Toilet accessories.

1.2 REFERENCES

A. Americans with Disabilities Act (ADA) Standards.

B. California Building Code: California Code of Regulations, Title 24, Part 2, requirements for providing accessibility for persons with disabilities.

1.3 SUBMITTALS

A. Product Data: Submit manufacturer's literature.

B. Shop Drawings: Clearly indicate partition layouts, swing of doors, elevations, anchorage and mounting details, panel construction, hardware, finishes and relevant dimensions.

1.4 QUALITY ASSURANCE

A. Sustainability Requirements: Comply with *CAL*Green requirements including those relative to finish material pollution control for adhesives, sealants, and caulks.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. Flush Metal Partition Corp.

B. General Partitions Mfg. Corp.

C. Substitutions: Refer to Section 01 25 00.

D. Hadrian Solutions ULC.

2.2 MATERIALS

A. System Description: Provide metal partitions including hardware, attachment devices, and integral accessories.

1. Toilet Compartment Type: ~~Floor to ceiling pilasters with 72" high no-sight privacy type doors and panels mounted nominal 4" above finished floor unless otherwise required for access for persons with disabilities~~. ***Floor mounted pilasters, overhead braced with 58 inches high panels mounted nominal 12 inches above finish floor with no sight privacy type doors and panels.***

2. Urinal Screens: Provide wall mounted urinal screens.

B. Regulatory Requirements, Access: Comply with California Building Code and Americans with Disabilities Act (ADA) Standards.

1. Door Width: Provide minimum 32" clear door openings when front entry, minimum 34" clear door openings when side entry.

2. Spacing: Provide minimum 60" clear width, and front space as applicable for type of compartment. Provide wider space where partitions block wheelchair space due to mounting nominal 4" above finished floor.

a. Where spacing is not available increase mounting to height required to allow wheelchair to maneuver in accordance with building code and ADA.

3. Reinforcing: Provide reinforcing for grab bars indicated to be partition mounted.

4. Urinal Screens: Provide minimum 30" clear space at urinal.

C. Stainless-Steel: Stainless-steel, ASTM A666, Type 304, with Number 4 polished finish; manufacturer's standard gages for units specified.

D. Pilaster Shoes: Nominal 3" high; ASTM A666, Type 304, No. 4 polished finish; stainless-steel.

E. Attachments, Screws and Bolts: Stainless-steel; tamper proof type; heavy duty stainless-steel or extruded aluminum brackets.

F. Hardware: Stainless-steel.

1. Hinges: Cast pivot hinges, gravity self-closing type, adjustable for door close positioning; nylon bearings.

2. Latch: Slide latch; door strike and keeper with rubber bumper.

3. Coat Hook/Bumper: Combination coat hook and bumper unit, maximum 48" above finished floor.

4. Wall Bumper: Wall mounted rubber bumper for out-swinging doors.

5. Pulls: Manufacturer's standard; provide two "U-shaped" pulls immediately below latch at compartments accessible to persons with disabilities (compartments with grab bars), one inside and one outside.

G. Wall brackets: Full height of panels, continuous.

H. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with antigrip profile and in manufacturer's standard finish.

2.3 FABRICATION

A. Fabricate partitions in accordance with FS RR-P-1352.

B. Doors and Panels: Minimum 1" thick by minimum 24" wide by minimum ~~72"~~ ***58 inches high*** sheet steel face pressure bonded to sound deadening core.

1. Provide wider doors where required for accessibility for persons with disabilities.

C. Pilasters: Nominal 1-1/4" thick, constructed same as doors, of sizes required to suit cubicle widths and spacing.

D. Provide formed and closed edges for doors, panels, and pilasters; miter and weld corners and grind smooth; formed for no-sight privacy between panels, pilasters, and doors.

E. Internal Reinforcement: Concealed type as required for attached hardware, fittings, and accessories; mark locations of reinforcement for compartment mounted washroom accessories.

1. Coordinate location of accessories with Section 10 28 00.

F. Overhead Braced Units: Units: Manufacturer's standard corrosion-resistant supports, leveling mechanism, and anchors at pilasters and walls to suit floor and wall conditions. Provide shoes at pilasters to conceal supports and leveling mechanism. Where compartment size or panel size exceeds manufacturer's recommended spacing for bracing, provide additional overhead braces per manufacturer's recommendations.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine site conditions to which work is to be applied.

B. Take site dimensions affecting this work.

C. Ensure correct spacing and size of plumbing fixtures; take special note of fixtures in compartments indicated to be designed for persons with disabilities to assure clearances complying with access regulations.

D. Ensure correct location of built-in framing, anchorage, and bracing, where required.

3.2 INSTALLATION

A. Install units in accordance with manufacturer recommendations and installation instructions, secure, plumb, level, and square.

B. Attach panel brackets securely to walls using anchor devices.

C. Attach panels and pilasters to bracket with through sleeve tamper proof bolts and nuts.

D. Provide for adjustment of floor to ceiling height variations with screw jack through steel saddles integral with pilaster; conceal fastenings with stainless-steel shoes, top and bottom.

E. Equip each door with hinges, latch, and coat hook/bumper combination.

1. At out swinging stall doors provide additional bumper on exterior of door, coat hook and bumper combinations are not acceptable.

F. Install door strike keeper and door bumper on each pilaster in alignment with door latch.

G. Adjust and align hardware to uniform clearance at vertical edges of doors not exceeding 3/16".

H. Adjust hinges to locate doors in partial open position when unlatched, except adjust hinges to return doors to closed position at stalls designed for use by persons with disabilities.

I. Anchor urinal screen panels to walls with continuous angle brackets on both sides.

J. Full Height (Continuous) Brackets: Secure panels or screens to walls and to pilasters with full-height brackets.

1. Locate bracket fasteners so holes for wall anchors occur in tile joints.

2. Align brackets at pilasters with brackets at walls.

K. Overhead-Braced Units: Secure pilasters to floor and level, plumb, and tighten. Set pilasters with anchors penetrating not less than 1-3/4 inches into structural floor unless otherwise indicated in manufacturer's written instructions. Secure continuous head rail to each pilaster with no fewer than two fasteners. Hang doors to align tops of doors with tops of panels, and adjust so tops of doors are parallel with overhead brace when doors are in closed position.

3.3 CLEANING

A. Clean surfaces of oil and imperfections.

B. Field touch-up of scratches and defaced finishes will not be permitted; replace damaged, scratched and marred defective materials with new, undamaged materials.

END OF SECTION

SECTION 10 22 20

OPERABLE PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide manually operated, top supported, operable partitions with retractable seals, including hardware and accessories as required for complete, operable system.

1. Acoustical Closure: Review Contract Documents to ensure acoustical closure of adjacent construction matches operable partition acoustical performance to prevent flanking sound around partition into adjacent spaces.

a. Provide additional construction as required to ensure acoustical closure.

1.2 ADMINISTRATIVE REQUIREMENTS

A. Design/Build Requirements: Provide services of registered structural engineer licensed in California with experience designing support for operable partitions.

1. Distribute loads to locations on building structure capable of supporting system without detrimental effects.

B. Pre-Installation Meeting: Convene not less than one week prior to commencing work of this Section. Require attendance of those directly affecting work of this Section.

1. Review installation procedures and coordination required with related work.

1.3 SUBMITTALS

A. Product Data: Furnish materials description, operation, and maintenance instructions.

B. Shop Drawings: Show partition and track layout, details of head, jamb, and sill conditions, stacking arrangement, hardware, and operating mechanism.

1. Indicate details of acoustical barrier over partitions system.

2. Provide template drawings for items supported or anchored by permanent construction.

C. Samples: Furnish samples of panel finish and edge construction.

D. Test Reports: Furnish copies of certificates by independent testing laboratories for following:

1. STC rating.
2. Flame spread classification.
1. Fire resistance ratings.
2. Field STC Tests: Furnish previous project test reports.

E. Certificates:

1. Manufacturer Certification: Furnish manufacturer's certification indicating system complies with Contract Documents.

2. Installer Acceptance: Furnish letter from manufacturer indicating acceptance of installer for this Project.

3. Design/Build Engineer Certification: Furnish certification from California registered engineer indicating structural support complies with Contract Documents and applicable codes without detrimental impact on building structure.

1.4 QUALITY ASSURANCE

A. Qualification of Installers: Minimum five years successful experience in installing operable partitions and accessories on comparable projects.

1. Acceptable to manufacturer of operable partition.

1.5 WARRANTY

A. Extended Correction Period: Provide for correcting failure of operable partition system from proper operation, including acoustical characteristics.

1. Special Warranty Period: Two years.

B. Manufacturer's Warranty: Submit manufacturer's warranty including special manufacturer services as required for manufacturer's warranty.

1. Period: Not less than 10 years.

2. Manufacturer's warranty shall not detract from requirements of extended correction period nor from Owner's rights under implied and expressed warranties regardless of wording of manufacturer's warranty.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. Hufcor, Inc.

B. Modernfold, a DORMA Group Company.

C. Industrial Acoustics Co., Inc.

D. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

A. System Description: Provide manually operated operable partitions with retractable seals and including hardware and accessories.

1. Partition Type: Top-supported, side-stacking, manually operated, with flush panels; manufacturer's STC 55 or 56 system as required to achieve required field performance requirements.

    a. Basis of Design: Hufcor Series 641 system with metal face for maximum acoustical performance.

2. Acoustical Closure: Provide acoustical closure of adjacent construction as required to match operable partition acoustical performance and as required to prevent flanking sound around partition into adjacent spaces.

B. Design Requirements: Design system to be supported by building structure; designed connections by registered professional structural engineer licensed in California.

1. Distribute loads to locations on building structure capable of supporting system without detrimental effects.

C. Fire Performance Requirements: Provide products listed by Underwriters Laboratories (UL), or similar independent laboratory acceptable to applicable authorities.

1. Flame Spread/Smoke Developed: Provide products meeting code requirements for maximum 25 flame spread and 450 smoke developed; Class A, ASTM E84.

~~D. Field Acoustical Performance Requirements: Provide minimum three field sound transmission rating tests on previous projects of similar size and scope indicating system to be provided has minimum FSTC of NIC 42.~~

~~1. Ratings: Determined in accordance with ASTM E413; tests by Architect approved independent testing laboratory.~~

~~2. Field Sound Transmission Rating: Minimum FSTC of NIC 42 when tested in accordance with ASTM E336, using reverberant-field procedure and full octave bands rather than one-third octave bands.~~

~~3. Operable Partition to have sound-absorbing panels with a minimum NRC 0.75.~~

E. Partition Type: Top-supported, side-stacking, manually operated, with flush panels.

1. Panel Configuration: Individual panels unless otherwise indicated.

F. Panel Construction: Factory assembled, consisting of minimum 16 gage welded steel channel perimeter frame with intermediate stiles, high density sound retardant insulation.

1. Panel Thickness: Nominal 3" to 4" thick; review Drawings for space provided for panel storage; provide panel system suitable of allowable space.

    a. Notify Architect during bidding if Project design requires potential modification for system to comply with Contract Document.

    b. Failure to notify Architect during bidding signifies acceptance of conditions indicated.

2. Panel Skins: Minimum 24-gage steel with rust inhibitive prime coat of paint.

3. Panel Support Bolts: Minimum 1/2" diameter; of fail-safe design that prevents loosening or backing out after panels have been installed.

4. Panel Materials: Incombustible, moisture resistant, and dimensionally stable.

5. Construction: All steel construction.

G. Track System: Overhead track designed for extra heavy duty; secured to structural support system by adjustable bolts.

1. Panel Supports: Ball bearing trolley assembly, capable of universal movement, turning on a central bearing and shall not require radius turns or switching mechanisms.

H. Deflection Compensation: Design system to accommodate specified long-term dead load deflection of up to 1/2" at any point in span while maintaining operational and acoustical qualities.

I. Seals: Provide system with single mechanism to activate floor seals; seals shall not contact floor or track during movement of panels.

1. Floor Seals: Durometer rating compatible with floor surfaces.

2. Vertical Seals: Manufacturer's standard as required to achieve acoustical performance specified.

3. Seal Materials: Resistant to fatigue and cleaning compounds and shall not mar floor or ceiling finishes.

4. Floor Guide and Floor Attachments: Not permitted.

J. Fixed and Operable Closure Jambs: Acoustical type designed to maintain acoustical seal at perimeter walls and junctions of operable partition; secure to building walls.

K. System Supports and Anchors: ASTM A36 steel shapes as required to attach operable partitions to building structural system.

1. Provide bracing at track intersections to resist panel impacts.

L. Finish: Panel and door finish shall be heavy duty vinyl fabric, color and texture as selected by Architect.

1. Apply finish to panels in shop. Return into vertical panel seams and mechanically fasten with removable astragal at panel edge.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine floor and overhead construction for conformance with tolerances; verify dimensions of in place and subsequent construction.

B. Installation of partition shall constitute acceptance of existing conditions.

3.2 INSTALLATION

A. Install operable partition system in accordance with manufacturer's recommendations and installation instructions as required to assure compliance with sound transmission test requirements.

1. Comply with ANSI E557, Standard Recommended Practice for Architectural Application and Installation of Operable Partitions.

2. Lubricate bearings and sliding parts; adjust to ensure smooth, easy operation.

3. Match operable partitions for color and pattern by using partition sections from cartons in same sequence as manufactured and packaged.

4. Broken, cracked, chipped, damaged, and deformed partitions are not acceptable.

B. Upon completion of installation, test operation of partition in presence of Architect.

C. Instruct Owner's personnel in operation and maintenance of partition.

3.3 FIELD QUALITY CONTROL

A. Site Acoustical Tests: Determine field sound transmission class values in accordance with ASTM E336; tests by Architect approved independent testing laboratory.

1. Field Sound Transmission Rating: Minimum FSTC of NIC 40 when tested in accordance with ASTM E336, using reverberant-field procedure and full octave bands rather than one-third octave bands.

2. Failed Tests: Make corrections and re-test.

3.4 CLEANING

A. Clean operable partition surfaces and adjacent surfaces soiled by operable partition work; avoid use of abrasive cleaners and solutions containing corrosive solvents.

1. Remove and replace panels and adjacent construction damaged by installation or cleaning operations.

END OF SECTION

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DSA

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APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval.This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes ☑ No ☐)

Deferred Submittal ☐	Addendum Number: 3	Revision Number:	CCD Number:	Category A ☐ or B ☐

2. PROJECT INFORMATION:

School District/Owner: Napa Valley Community College	DSA File Number: 28 C1
Project Name/School: Wine Education Center	DSA Application Number 01 120890

3. APPLICANT INFORMATION:

Date Submitted: 06/03/24	Attached Pages? No ☐ Yes ☑ Number of pages? 45		
Firm Name: TLCD Architecture	Contact Name: Carl Servais		
Work Email: carl.servais@tlcd.com	Work Phone: (707) 535-5279		
Firm Address: 520 Third Street, #250	City: Santa Rosa	State: CA	Zip Code: 95401

4. REASON FOR SUBMITTAL: (Check applicable boxes)

☑ For revision or addendum prior to construction. ☐ For a project currently under construction.

☐ For a project that has a form *DSA 301-N: Notification of Requirement for Certification*, *DSA 301-P: Posted Notification of Requirement for Certification* or a 90-Day Letter issued.

☐ To obtain DSA approval of an existing uncertified building or buildings.

☐ For Category B CCD this is: ☐ a voluntary submittal, ☐ a DSA required submittal (attach DSA notice requiring submission).

5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:

Name of the Design Professional In General Responsible Charge: Carl Servais

Professional License Number: C32941	Discipline: Architect

Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.

Signature: Carl Servais

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:

For addenda, revisions, or CCDs: CHECK THIS BOX ☑ to confirm that *all* post-approval documents have been stamped and signed by the Responsible Design Professional listed on form *DSA 1: Application for Approval of Plans and Specifications* for this project. (For *Deferred Submittals*, refer to *IR A-18: Use of Construction Documents Prepared by Other Professionals,* and *IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents*, when applicable, for signature and seal requirements.)

Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed):

Response to bidders requests for information. Revisions to specifications: Minor changes to sections noted in the Addendum 3 narrative. Add section 09 77 20 Acoustical Wall System. Revisions to drawings: Changes to drawing notes on several pages noted in the Addendum 3 narrative. Refer to Addendum 3 narrative on page 3-7 for full description of modifications.

List of DSA-approved drawings affected by this post-approval document:

A-102, A-103, A-251, A-253, A-561, A-601, E-301

DSA USE ONLY

SSS Dan Mui Date June 20, 2024 ☒ Approved ☐ Disapproved ☐ Not Required

Comments:

FLS Date ☐ Approved ☐ Disapproved ☐ Not Required

Comments:

ACS Michael Park Date 06/05/2024 ☒ Approved ☐ Disapproved ☐ Not Required

Comments:

Returned	DSA STAMP
Date:	APPROVED DIV. OF THE STATE ARCHITECT APP: 01-120890 INC: REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 06/20/2024
By:	

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

WINE EDUCATION CENTER
NAPA VALLEY COLLEGE

ADDENDUM NUMBER 3

PROJECT ADDRESS
2277 Napa Vallejo Hwy
Napa, CA 94558

OWNER
NAPA VALLEY COLLEGE

DATE
APRIL 18, 2024

TLCD PROJECT NUMBER
21062.00

DSA APPLICATION NUMBER:
01-120890

Note: The following changes, modifications and additions to the Project Manual and Drawings described within this Addendum are made a part thereof and are subject to all of the requirements thereof as if originally specified.

111 SANTA ROSA AVENUE, #300
SANTA ROSA, CA 95404
TEL 707.525.5600
FAX 707.525.5616

WWW.TLCD.COM

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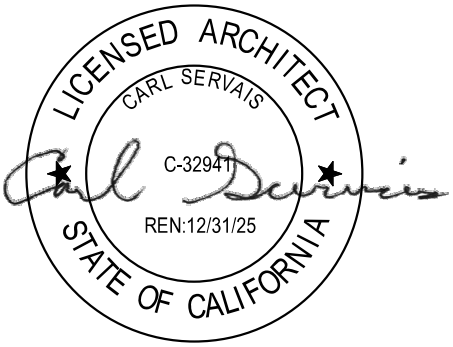
APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/20/2024

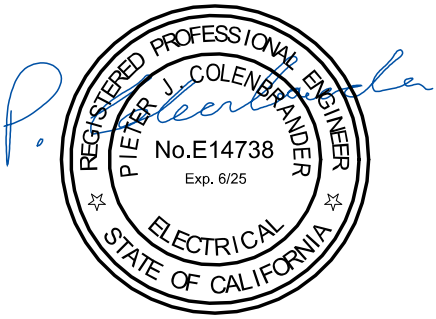
ADDENDUM NUMBER 3
WINE EDUCATION CENTER
NAPA VALLEY COLLEGE
2277 Napa Vallejo Hwy
Napa, CA 94558

DSA APPLICATION #01-120890

STAMPS, SIGNATURES AND APPROVALS



ARCHITECT
Carl Servais
C32941



ELECTRICAL ENGINEER
Pieter J. Colenbrander
E14738

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ADDENDUM NUMBER 3

To the Plans and Specifications for:

WINE EDUCATION CENTER
NAPA VALLEY COLLEGE

DSA File No. 28-C1
DSA Application No. 01-120890

Date: April 18, 2024

RESPONSES TO BIDDER'S REQUESTS FOR INFORMATION (RFI'S)

Refer to Addendum 2 for responses to questions 1 through 10, unless otherwise noted below.

Question 4: Subsection 3.1A in specification section 02 41 10 notes "Tanks: Remove tanks within construction area; pump out buried tanks located outside construction area, fill tanks with sand or fine gravel and cover with fill unless otherwise indicated." However, the demolition drawings do not show any tank demolition or removal. Please confirm there are no tanks that need to be demolished or pumped out.

Response: ***There are no known underground tanks in the project area. (TLCD, Brelje & Race)***

Question 8: Section 11.b.2 in General Conditions notes the Contractor shall include in their bid costs builders risk insurance. Please advise if the policy should cover earthquakes and floods.

Response: ***The contractor's builders risk insurance requirement to cover floods and earthquake coverage is optional. (NVC)***

Question 11: The mechanical control specifications for this project indicate that there is an existing Delta Control System at this campus and this new project is to be integrated into the existing BMS. Is this project open to bid for all Delta Controls dealers?

Response: ***BMS controls will need to be through Delta Controls, Honeywell products will not be acceptable. EMCOR/Mesa Energy Systems has been identified as "proprietary" on our controls system. (NVC)***

Question 12: Specification section 09 65 25 STATIC RESISTANT FLOORING calls for static resistant (conductive) resilient tile flooring. However, the contract documents do not show where this specification section applies. Please clarify if this project requires any

Response: ***Refer to the Finish Code List, item RF2, which is a static conductive floor tile. This material is identified in the Room Finish Schedule – Phase 1 at room 112 BDF. Refer to Addendum 3 for additional response. (TLCD)***

Question 13: Sheet A-251 refers to specification section "12 31 00" for Laboratory Cabinets details. The project manual does not include a specification section 12 31 00. Please provide missing specification seciton.

Response: ***Refer to Addendum 3 for response. (TLCD)***

Question 14: Sheet A-252 does not show specifications, manufacturer, or material information for cabinets in the sensory classroom. Please provide spec/ material/ details for cabinets that are to be used in the sensory classrooms.

Response: ***Refer to Addendum 3 for response. (TLCD)***

Question 15: The project manual includes specification section "06 40 00 - Architectural Woodwork" that calls for Plastic Laminate Casework & Countertops. However, specification section 06 40 00 is not called out anywhere on the project drawings. Please clarify where this specification section applies and provide location at which Plastic Laminate Casework and Countertops will be required.

Response: ***Refer to Addendum 3 for response. (TLCD)***

Question 16: The Bid Book includes a Bid Proposal Form beginning on Page 10 which includes a questionnaire. A questionnaire was already submitted in the RFQ process for this project. Is this information required again?

Response: ***The competed questionnaire shall be included with the bid package. (Kitchell)***

Question 17: The end user has schneider controls and its Building Management System, does the new controls need to integrate with the existing BMS system or can it be stand alone? Furthermore, are we bidding the controls or the thermostat? Please confirm if Honeywell can be an acceptable manufacture for the BMS system.

Response: ***BMS controls will need to be through Delta Controls, Honeywell products will not be acceptable. EMCOR/Mesa Energy Systems has been identified as "proprietary" on our controls system. (NVC)***

Question 18: Stainless steel partitions are listed with Flush metal or General partitions, is it acceptable to utilize Hadrian as an equal or better?

Response: Refer to Addendum 3 for response. (TLCD)

Question 19: Sheet LF-401 shows an undercounter refrigerator at the North wall of the Lab Prep room. Interior elevation drawing 5/LF-501 shows an open space at the same location instead of an undercounter refrigerator. Please clarify if the the contractor needs to include an undercounter refrigerator at that location. If yes, please provide specs/details/manufacturer and model number.

Response: Refer to Addendum 3 for response. (TLCD)

Question 20: Sub Section 2.2a.1 in specification section 10 22 20 (Operable Partitions) requires the operable partition to have an STC rating of 55 or 56. Sub Section 2.2d.3 in the same specification section requires the operable partition to have a minimum of 0.75 NTC. As per Operable Partition sub contractors, these two ratings work agasint each other and that 0.75 NTC is not acheivable with an STC rating of 55 or 56. Please confirm that 0.75 NTC rating requirement can be waived from the specification section 10 22 20 (Operable Partitions).

Response: Refer to Addendum 3 for response. (TLCD)

Question 21: Keynote .041 om sheet A-251 calls for undercounter wine coolers under the ADA countertop. Please provide specs/ details/ manufacturer and model number.

Response: Refer to Addendum 3 for response. (TLCD)

Question 22: The Bid proposal Form lists Additive/Deductive Alternate #1, #2 & #3 (if applicable). Will there be any alternate's to this project or is this just the "standard bid form?"

Response: No bid alternates will be included in the bid. The bid alternate lines on the form shall remain blank.

Question 23: The Door Schedule on sheet A-601 shows wood material and Door Type 2 for doors in Room 102 and Room 103, however detail 16 on the same sheet shows that Door Type 2 are storefront doors. Please confirm that the door material for Rooms 102 and 103 is aluminum and will be storefront doors.

Response: Refer to Addendum 3 for response. (TLCD)

Question 24: Sheet E-102 shows a conduit/feeder "LD" coming from "MSW" to phase 2 building. Since Phase 2 is not a part of scope at this point, we would recommend that we install

the conduit and pull box with pull string only, close to the location (15 feet from phase 2 building) for future use. Please confirm if this is acceptable.

Response: ***The contractor's suggested Phase 1 raceway provisions - for the Phase 2 power feeder to Panel LD - are acceptable to the design team.***

Question 25: Door schedule on sheet A-601 shows fire rated glass for doors 113A and 115A however openings are not marked as fire rated. Please confirm if opening will be fire rated for doors 113A and 115A.

Response: ***Refer to Addendum 3 for response. (TLCD)***

Question 26: Detail 3 on sheet L-204 shows 1"x1" skate deterent notch cutouts for benches, however the Streetlife who is the specificed manufacturer does not recommend the notches any longer due to their ineffectiveness. Streetlife recommends using anti-skate fins in place of the skate deterent notch cutouts. Please confirm if the anti-skate fins are acceptable in lieu of the skate deterent notch cutouts.

Response: ***Comply with detail 3/L-204. Anti-skate fins are not required. (TLCD, RHAA)***

Question 27: Specification section 32 33 00 sub section 2.6 refer to skate deterent, however there is no model number and manufacturer detail provided. Please provide the model and manufacturer information for skate deterents for concrete seat walls and retaining walls.

Response: ***Comply with detail 3/L-204. Anti-skate fins are not required. (TLCD, RHAA)***

Question 28: 1. Please confirm the fabrication type of the interior panel signs (The specifications section provides a manufacturer list which uses different fabrication processes) Vomar: Inlaid process, overlay process & applied process.Mohawk: Sandcarved, engraving , subsurface process etc. Can we substitute these with UV printed Acrylic Panels?

2. Please confirm if we can substitute fabrication of Evacuation signs from Silk-screened or photopolymer polycarbonate with UV printed back painted Acrylic?

3. Please confirm if Non Accessible Building Address Sign is required. If yes, please share quantities or locations.

Response: ***1. Refer to specification Section 01 25 00 SUBSTITUTION PROCEDURES for requirements to submit products for substitution.***

2. Evacuation signage is not required for this building.

3. Assumption: This question refers to the exterior building signage identified on Drawing 4/A-201. This signage, per DRAWING NOTE .111, and REFERENCE

KEYNOTE 10 14 00.P and 10 14 00.T, is specified in Section 10 14 00-2.2.D as Halo-Lit Signage.

Question 29: 1. The Limit of work for phase 2 is different between civil plan sheet C-101 and architect plan sheet A-102. Please clarify.
2. Please provide method of sleeve installation under existing paving shown on L-401.
3. Please provide location for soil sensors per irrigation legend on sheet L-400.
4. Ref to specs part 3.3 section 32 84 00, lateral line is 18" depth. However, the detail 7/L-402 shows 12" -16". Please clarify.
5. Shall the 12" depth of imported topsoil be required for all planting areas per specs section 3.4/32 90 00?

Response: ***1. Refer to Addendum 3 for response. (TLCD)***
2. Contractor to determine as part of means and methods. (RHAA)
3. Contractor to coordinate soil sensor locations with controller manufacturer upon completion of controller installation. (RHAA)
4. Lateral to be 18" deep. (RHAA)
5. It's anticipated that much of the existing soil will be amended per laboratory recommendations. Refer to Planting spec 32 90 00 section 2.2.D when determining the need for top soil. Depths to align with depth of planting container rootball sizes (5 gal for shrubs and 36 box for trees). (RHAA)

END OF BIDDER'S REQUEST FOR INFORMATION

CHANGES TO THE PROJECT MANUAL

1.1 CHANGE to specification Section 00 01 10 TABLE OF CONTENTS (Refer to specification Section attached):

A. ADD Section "09 77 20 ACOUTSICAL WALL SYSTEM" to the TABLE OF CONTENTS.

1.2 CHANGES to specification Section 09 65 25 STATIC RESISTANT FLOORING (Refer to specification Section attached):

A. CHANGE from Vinyl Composition Tile to Resilient Rubber Tile. Basis of Design as indicated on drawing A-601 FINISH CODE LIST.

1.3 ADD specification Section 09 77 20 ACOUSTICAL WALL SYSTEM (Refer to specification Section attached).

1.4 CHANGES to specification Section 10 21 10 METAL TOILET COMPLARTMENTS (Refer to specification Section attached):

A. ADD Hadrian Solutions ULC to list of Systems Manufacturers.

B. CHANGE:
1. Style of units from floor and ceiling anchored to overhead braced.
2. Size of panel height.
3. Change from stirrup type U-brackets to full-height continuous brackets.

1.5 CHANGE to specification Section 10 22 20 OPERABLE PARTITIONS (Refer to specification Section attached):

A. DELETE requirements in part 2.2.D from specification.

CHANGES TO THE PROJECT DRAWINGS

1.6 CHANGE to DRAWING NOTE 0.41:

A. ADD: "PERLICK MODEL HA24WB-4-3R/L(L)." Product shall include the following features:
1. Commercial grade stainless steel interior and exterior.
2. Glass vision door.
3. Stainless steel wire wine shelves with full extension, vibration dampened stainless steel ball-bearing glides.
4. Audible alarm if door is held open.
5. LED lighting (Color: blue or white. To be determined by owner).
6. 32 bottle minimum capacity.
7. Stainless steel vertical door pull. Right or left side to be determined by Owner.
8. Factory installed lock. Provide 3 keys minimum.

1.7 CHANGE all laboratory cabinet casework specification section references from 12 31 00 MANUFACTURED LABORATORY CASEWORK to Section 12 35 53 LABORATORY CASEWORK SYSTEM AND ACCESSORIES.

1.8 CHANGE to drawings A-102 PARTIAL SITE PLAN – PHASE 1 and A-103 PARTIAL SITE PLAN – PHASE 2:

A. CHANGE the location of the Phase 1 & 2 demarcation line along the north side of the Tasting building to match the location of the line shown on drawings C-100 and L-210, which

aligns with a pavement joint, an allows the bench to the east between the tree walls to be constructed within the Phase 1 scope.

1.9 CHANGE to Detail 12/A-561, CASEWORK NOTES:

A. ADD: Note “G. Casework identification symbol below the cabinet elevations refer to the North American Architectural Woodwork Standard Cabinet Design Series standards, configurations, hardware and accessories. The top number is the cabinet configuration. The tree numbers below the top number refer to the cabinet width x height x depth. All casework with this identifier symbol are specified in Section 06 40 00 ARCHITECTURAL WOODWORK.”

B. ADD: Note “H. All casework in rooms Wine Lab 104 and Lab Prep 105 shall be laboratory casework specified in Section 12 35 53 LABORATORY CASEWORK SYSTEM AND ACCESSORIES, with epoxy resin countertops and backsplashes specified in Section 12 36 61 SOLID SURFACING COUNTERTOPS, and as indicated in the Laboratory Furnishings drawings.”

C. ADD: Note “J. Casework countertops and backsplashes in the following rooms shall be finish code SSM1 epoxy resin as specified in Section 12 36 61 SOLID SURFACING COUNTERTOPS.
1. Phase 1: Sensory Classroom 113, Sensory Prep 114, Sensory Classroom 115.
2. Phase 2: Prep 117.”

D. ADD: Note “K. Casework countertops and backsplashes in the following rooms shall be finish code SSM2 FSC-certified thermoset paper composite as specified in the Finish Code List on drawing A-601.
1. Phase 2: Bar casework in room Hospitality 116.”

E. ADD: Note “L. Casework in the following rooms shall be plastic laminate as specified in Section 06 40 00 ARCHITECTURAL WOODWORK. Plastic laminate color to be selected by Architect – refer to 06 40 00-2.1.B.2.C.
1. Phase 1: Custodial 110, Sensory Classroom 113, Sensory Prep 114, and Sensory Classroom 115.”
2. Phase 2: Bar casework in room Hospitality 116 and Prep 117.
   a. Exceptions: Blackened steel wall panels at Hospitality 116 bar as indicated on drawings.”

1.10 CHANGE to drawing A-601, DOOR SCHEDULE:

A. CHANGE Door numbers 102 and 103 from door type 2 (aluminum) to door type 3 (flush wood).

B. CHANGE Door glazing at door numbers 113A and 115A from FIRE RATED to TEMPERED. The door openings are located in non-fire-rated wall assemblies.

1.11 CHANGES to A-601 FINISH CODE LIST:

A. DELETE: “Heat weld seams” from RF1 And RF2.

1.12 CHANGE to Drawing 1/E-301:

A. CHANGE Location of undercounter refrigerator power receptacle in room Lab Prep 105 from west wall (see note 6) to the north wall in the location shown on drawing 1/LF-401 in open cabinet KS27. The equipment is owner-furnished-owner-installed per LAB SYMBOL LEGEND on drawing LF-001.

ATTACHMENTS

PROJECT MANUAL:

Note: Additions to attached specifications are identified in ***bold-Italic print.***
Deletions to attached specifications are identified in ~~gray strikethrough print.~~

00 01 10 Table of Contents
09 65 25 Static Resistant Flooring
09 77 20 Acoustical Wall System
10 21 10 Metal Toilet Compartments
10 22 00 Operable Partitions

DRAWINGS:

~~None.~~

<Added per DSA review comment>
A-102 PARTIAL SITE PLAN – PHASE 1
A-103 PARTIAL SITE PLAN – PAHSE 2
A-251 INTERIOR ELEVATIONS – PHASE 1
A-253 INTERIOR ELEVATIONS – PHASE 1
A-561 DETAILS - INTERIOR
A-601 ROOM FINISH SCHEDULE, DOOR SCHEDULE, DOOR TYPES & STOREFRONT/CURTAINWALL TYPES

END OF ADDENDUM NUMBER 3

SECTION 00 01 10

TABLE OF CONTENTS

PROJECT MANUAL
INTRODUCTORY INFORMATION

PROCUREMENT AND CONTRACTING REQUIREMENTS
~~**CONTRACTING REQUIREMENTS (Addendum 1)**~~

SPECIFICATIONS GROUP

DIVISION 01 – GENERAL REQUIREMENTS

DIVISION 13 – SPECIAL CONSTRUCTION

Not used.

DIVISION 14 – CONVEYING EQUIPMENT

Not used.

DIVISION 21 – FIRE SUPPRESSION

DIVISION 22 – PLUMBING

DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING

DIVISION 26 – ELECTRICAL

DIVISION 27 – COMMUNICATIONS

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

DIVISION 31 – EARTHWORK

DIVISION 32 – EXTERIOR IMPROVEMENTS

END OF SECTION

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SECTION 09 65 25

STATIC RESISTANT FLOORING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide static resistant (conductive) resilient tile flooring and accessories as required for complete finished installation.

B. Related Sections:

1. Section 09 65 10: Resilient base.
2. Section 09 65 20: Resilient tile flooring.
3. Section 09 68 10: Tile carpeting edge strips.

1.2 SUBMITTALS

A. Product Data: Furnish manufacturer's product literature including information regarding static resistance (conductivity).

B. Samples: Furnish samples of each type of flooring color and pattern.

1.3 QUALITY ASSURANCE

A. Sustainability Requirements: Comply with *CAL*Green requirements including those relative to finish material pollution control for adhesives and resilient flooring.

1.4 SITE CONDITIONS

A. Ensure floor surfaces are smooth and flat***, and slip resistant***.

B. Ensure concrete floors are dry and exhibit negative alkalinity, carbonizing, and dusting.

C. Maintain minimum 70-degree F air temperature at flooring installation area for three days prior to, during, and for 24 hours after installation.

D. Store flooring materials in area of application; allow three days for material to reach same temperature as area.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. Armstrong Flooring/Static Dissipative Excelon SDT.

B. VPI Corporation/ESD Static Control Tile.

C. Substitutions: Refer to Section 01 25 00.

D. Basis of Design: Nora systems, Inc., Noraplan Sentica ED

2.2 MATERIALS

A. System Description: Provide static resistant resilient tile flooring and accessories.

B. Regulatory Requirements, Flammability: Provide materials tested under ASTM E648, Flooring Radiant Panel Test, with results of 0.45 watts/sq cm or higher.

C. Regulatory Requirements, Slip-Resistance: Hard surface finishes to comply with requirements of authorities having jurisdiction for slip-resistant hard surfaces, including general code requirements and access for persons with disabilities.

D. Performance Criteria, Conductivity (Static Resistance): Meet UL Standard 779, Standard for Electricity Conductive Flooring.

E. Static Resistant ***Resilient Rubber Tile*** ~~Vinyl Composition Tile (VCT): 12" by 12" by 1/8" thick; vinyl composition tile conforming to ASTM F1066, Composition 1.~~ ***610mm by 610mm by 3mm thick; nora vulcanized rubber compound 913.***

1. Color and Pattern: As indicated on Finish Schedule as selected by Architect from manufacturer's full range of available colors where not otherwise indicated.

2. Static Dissipative Flooring: Provide conductive type tile flooring designed to conduct static charges to grounding cables preventing static buildup. Provide accessories as required for complete static dissipative flooring system.

F. Edge Strips: Homogeneous vinyl or rubber, tapered or bullnose edge, color as selected by Architect.

G. Sub-Floor Filler: White premixed latex-cement paste designed for providing thin solid surface for leveling and minor ramping of subsurface to adjacent floor finishes.

1. Use material capable of being applied and feathered out to adjacent floor without spalling.

H. Primers and Adhesives: Waterproof nontoxic types as recommended by flooring manufacturer for specified material and application.

PART 3 - EXECUTION

3.1 PREPARATION

A. Conform to manufacturer's recommendations for preparation and to ASTM F710.

B. Remove sub-floor ridges and bumps; fill low spots, cracks, joints, holes, and defects with sub-floor filler.

C. Clean floor and apply, trowel and float filler to leave smooth, flat hard surface; prohibit traffic until filler is cured.

D. Test substrate for moisture content in accordance with flooring manufacturer recommendations; where moisture content exceeds recommendations take measures recommended by flooring manufacturer.

3.2 INSTALLATION

A. Conform to manufacturer recommendations and installation instructions including special instructions to ensure static resistance (conductivity) of flooring installation.

1. Open floor tile cartons, enough to cover each area, and mix tile to ensure shade variations do not occur within any one area.

B. Spread cement evenly in quantity recommended by manufacturer to ensure adhesion over entire area of installation; spread only enough adhesive to permit installation of flooring before initial set.

C. Set flooring in place using methods to ensure full adhesion.

D. Lay flooring with joints parallel to building lines to produce symmetrical pattern.

E. Install minimum 1/2 tile at room and area perimeter.

F. Terminate resilient flooring at centerline of door openings where adjacent floor finish is dissimilar.

G. Install edge strips at unprotected and exposed edges where flooring terminates.

H. Scribe flooring to walls, columns, floor outlets and other appurtenances, to produce tight joints.

I. Consult with Architect for floor pattern desired in each area.

J. Edge Strips: Install where edge of tile would otherwise be exposed; butt to flooring without gaps; set in adhesive.

3.3 CLEAN-UP AND PROTECTION

A. Remove excess adhesive from floor, base, and wall surfaces without causing damage.

B. Prohibit traffic from floor for 48 hours after installation.

END OF SECTION

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SECTION 09 77 20

ACOUSTICAL WALL SYSTEM

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section includes shop-fabricated, acoustical wall panel units tested for acoustical performance, including the following:

1. Sound-absorbing wall panels directly attached to framing.
2. Perimeter trims.

B. Related Requirements:

1. Section 09 21 00 Gypsum Board Assemblies for GA level 4 finish requirements.
2. Section 09 90 00 Painting and Coating for pained finish.

1.3 DEFINITIONS

A. NRC: Noise Reduction Coefficient.

1.4 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1.5 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include panel edge, core material, perimeter trims, mounting screws, joint compounds, and finish texture compounds.

B. Shop Drawings: For system assembly and installation.

1. Include plans, elevations, sections, and mounting details.
2. Include details at panel head, base, joints, corners, and details at ceiling, floor base, and wall intersections. Indicate panel edge profile and core materials.

3. Include details at cutouts and penetrations for other work.

1.6 INFORMATIONAL SUBMITTALS

A. Coordination Drawings: Elevations and other details, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:

1. Electrical outlets, switches, and thermostats.
2. Items penetrating or covered by units including the following, where applicable:
a. Lighting fixtures.
b. Air outlets and inlets.
c. Speakers.
d. Alarms.
e. Sprinklers.
f. Access panels.

B. Product Certificates: For each type of system.

C. Sample Warranty: For manufacturer's special warranty.

1.7 CLOSEOUT SUBMITTALS

A. Maintenance Data: For each type of system to include in maintenance manuals. Include manufacturers' written cleaning and stain-removal instructions.

1.8 QUALITY ASSURANCE

A. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials, fabrication, and installation.
1. Build mockup of typical wall area 48 inches wide by full height. Include intersection of wall and ceiling, corners, and perimeters.
2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.9 DELIVERY, STORAGE, AND HANDLING

A. Comply with system manufacturers' written instructions for minimum and maximum temperature and humidity requirements for shipment, storage, and handling.

B. Deliver materials in unopened bundles and store in a temperature-controlled dry place with adequate air circulation.

1.10 FIELD CONDITIONS

A. Environmental Limitations: Do not install system until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work at and above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

B. Lighting: Do not install system until a lighting level of not less than 50 fc is provided on surfaces to receive the units.

C. Air-Quality Limitations: Protect system from exposure to airborne odors, such as tobacco smoke, and install under conditions free from odor contamination of ambient air.

D. Field Measurements: Verify system locations and actual dimensions of openings and penetrations by field measurements before fabrication, and indicate them on Shop Drawings.

1.11 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace system and components that fail in materials or workmanship within specified warranty period.

1. Failures include, but are not limited to the following:
a. Acoustical performance.
b. Sagging, distorting, or releasing from substrate.
c. Warping of core.
2. Warranty Period: Ten years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain acoustical wall system specified in this Section from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Fire-Test-Response Characteristics: Units shall comply with "Surface-Burning Characteristics" or "Fire Growth Contribution" Subparagraph below, or both, as determined by testing identical products by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:

1. Surface-Burning Characteristics: Comply with ASTM E84 or UL 723; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
a. Flame-Spread Index: 25 or less.
b. Smoke-Developed Index: 450 or less.

2.3 SOUND-ABSORBING WALL UNITS

A. Sound-Absorbing Wall Panel: Manufacturer's standard panel construction consisting of spray applied fine texture finish compound over setting and dry tap compounds over acoustical wall panels mechanically secure to wall framing.

1. *Basis of Design: Armstrong World industries, AcoustiBuilt Seamless Acoustical Wall System.*
2. *Panel Shape: Flat.*
3. *Mounting: Mechanically secured to framing with drywall screws.*
4. *Core: Manufacturer's standard mineral-fiber board.*
   a. *Core-Face Layer: Manufacturer's standard fine texture.*
5. *Edge Construction: Manufacturer's standard.*
6. *Edge Profile: Tapered.*
7. *Acoustical Performance: Sound absorption NRC of 0.80 according to ASTM C423 for mounting according to ASTM E795.*
8. *Nominal Core Thickness: 7/8 inches.*
9. *Panel Width: 48 inches.*
10. *Panel Height: 72 inches.*

2.4 MATERIALS

A. Core Materials:
1. *Mineral-Fiber Board: Maximum flame-spread and smoke-developed indexes of 25 and 10, respectively; minimum density of 13 lb/cu. ft., and with perforated surface.*

B. Spray Applied Finish: Spray applied fine texture finish compound, GA level 4, per manufacturer's written instructions.

C. Mounting Devices:
1. *Mechanical Attachment to Framing: #6 Coarse thread drywall screws spaced per manufacturer's written instructions.*

D. Perimeter Trim at Reveal:
1. *Armstrong, Trim-Tex AS 7/8" L bead (AS4350).*

2.5 FABRICATION

A. Standard Construction: Use manufacturer's standard construction unless otherwise indicated; with spray applied finish to face and edges of dimensionally stable core.

B. Dimensional Tolerances of Finished Units: Plus or minus 1/16 inch for the following:

1. *Thickness.*
2. *Edge straightness.*
3. *Overall length and width.*
4. *Squareness from corner to corner.*

5. Chords, radii, and diameters.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine panel units, substrates, areas, and conditions for compliance with requirements, installation tolerances, and other conditions affecting unit performance.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. Install units in locations indicated. Unless otherwise indicated, install units with vertical surfaces and edges plumb, top edges level and in alignment with other units, faces flush, and scribed to fit adjoining work accurately at borders and at penetrations.

B. Comply with manufacturer's written instructions for installation of units using type of mounting devices indicated. Mount units securely to supporting framing.

3.3 INSTALLATION TOLERANCES

A. Variation from Plumb and Level: Plus or minus 1/16 inch in 48 inches, noncumulative.

B. Variation of Joint Width: Not more than 1/32-inch variation from hairline in 48 inches, noncumulative.

3.4 CLEANING

A. Clip loose threads; remove pills and extraneous materials.

B. Clean panels on completion of installation to remove dust and other foreign materials according to manufacturer's written instructions.

END OF SECTION

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SECTION 10 21 10

METAL TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide special height panel stainless-steel no-sight type privacy partitions for toilet compartments including hardware, attachment devices, and integral accessories as required for complete installation.

1. Urinal Screens: Provide wall mounted stainless-steel partitions for urinal screens including attachment hardware for complete finished installation.

B. Related Sections:

1. Section 10 28 00: Toilet accessories.

1.2 REFERENCES

A. Americans with Disabilities Act (ADA) Standards.

B. California Building Code: California Code of Regulations, Title 24, Part 2, requirements for providing accessibility for persons with disabilities.

1.3 SUBMITTALS

A. Product Data: Submit manufacturer's literature.

B. Shop Drawings: Clearly indicate partition layouts, swing of doors, elevations, anchorage and mounting details, panel construction, hardware, finishes and relevant dimensions.

1.4 QUALITY ASSURANCE

A. Sustainability Requirements: Comply with *CAL*Green requirements including those relative to finish material pollution control for adhesives, sealants, and caulks.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. Flush Metal Partition Corp.

B. General Partitions Mfg. Corp.

C. Substitutions: Refer to Section 01 25 00.

D. Hadrian Solutions ULC.

2.2 MATERIALS

A. System Description: Provide metal partitions including hardware, attachment devices, and integral accessories.

1. Toilet Compartment Type: ~~Floor to ceiling pilasters with 72" high no-sight privacy type doors and panels mounted nominal 4" above finished floor unless otherwise required for access for persons with disabilities~~. ***Floor mounted pilasters, overhead braced with 58 inches high panels mounted nominal 12 inches above finish floor with no sight privacy type doors and panels.***

2. Urinal Screens: Provide wall mounted urinal screens.

B. Regulatory Requirements, Access: Comply with California Building Code and Americans with Disabilities Act (ADA) Standards.

1. Door Width: Provide minimum 32" clear door openings when front entry, minimum 34" clear door openings when side entry.

2. Spacing: Provide minimum 60" clear width, and front space as applicable for type of compartment. Provide wider space where partitions block wheelchair space due to mounting nominal 4" above finished floor.

a. Where spacing is not available increase mounting to height required to allow wheelchair to maneuver in accordance with building code and ADA.

3. Reinforcing: Provide reinforcing for grab bars indicated to be partition mounted.

4. Urinal Screens: Provide minimum 30" clear space at urinal.

C. Stainless-Steel: Stainless-steel, ASTM A666, Type 304, with Number 4 polished finish; manufacturer's standard gages for units specified.

D. Pilaster Shoes: Nominal 3" high; ASTM A666, Type 304, No. 4 polished finish; stainless-steel.

E. Attachments, Screws and Bolts: Stainless-steel; tamper proof type; heavy duty stainless-steel or extruded aluminum brackets.

F. Hardware: Stainless-steel.

1. Hinges: Cast pivot hinges, gravity self-closing type, adjustable for door close positioning; nylon bearings.

2. Latch: Slide latch; door strike and keeper with rubber bumper.

3. Coat Hook/Bumper: Combination coat hook and bumper unit, maximum 48" above finished floor.

4. Wall Bumper: Wall mounted rubber bumper for out-swinging doors.

5. Pulls: Manufacturer's standard; provide two "U-shaped" pulls immediately below latch at compartments accessible to persons with disabilities (compartments with grab bars), one inside and one outside.

G. Wall brackets: Full height of panels, continuous.

H. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with antigrip profile and in manufacturer's standard finish.

2.3 FABRICATION

A. Fabricate partitions in accordance with FS RR-P-1352.

B. Doors and Panels: Minimum 1" thick by minimum 24" wide by minimum ~~72"~~ ***58 inches high*** sheet steel face pressure bonded to sound deadening core.

1. Provide wider doors where required for accessibility for persons with disabilities.

C. Pilasters: Nominal 1-1/4" thick, constructed same as doors, of sizes required to suit cubicle widths and spacing.

D. Provide formed and closed edges for doors, panels, and pilasters; miter and weld corners and grind smooth; formed for no-sight privacy between panels, pilasters, and doors.

E. Internal Reinforcement: Concealed type as required for attached hardware, fittings, and accessories; mark locations of reinforcement for compartment mounted washroom accessories.

1. Coordinate location of accessories with Section 10 28 00.

F. Overhead Braced Units: Units: Manufacturer's standard corrosion-resistant supports, leveling mechanism, and anchors at pilasters and walls to suit floor and wall conditions. Provide shoes at pilasters to conceal supports and leveling mechanism. Where compartment size or panel size exceeds manufacturer's recommended spacing for bracing, provide additional overhead braces per manufacturer's recommendations.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine site conditions to which work is to be applied.

B. Take site dimensions affecting this work.

C. Ensure correct spacing and size of plumbing fixtures; take special note of fixtures in compartments indicated to be designed for persons with disabilities to assure clearances complying with access regulations.

D. Ensure correct location of built-in framing, anchorage, and bracing, where required.

3.2 INSTALLATION

A. Install units in accordance with manufacturer recommendations and installation instructions, secure, plumb, level, and square.

B. Attach panel brackets securely to walls using anchor devices.

C. Attach panels and pilasters to bracket with through sleeve tamper proof bolts and nuts.

D. Provide for adjustment of floor to ceiling height variations with screw jack through steel saddles integral with pilaster; conceal fastenings with stainless-steel shoes, top and bottom.

E. Equip each door with hinges, latch, and coat hook/bumper combination.

1. At out swinging stall doors provide additional bumper on exterior of door, coat hook and bumper combinations are not acceptable.

F. Install door strike keeper and door bumper on each pilaster in alignment with door latch.

G. Adjust and align hardware to uniform clearance at vertical edges of doors not exceeding 3/16".

H. Adjust hinges to locate doors in partial open position when unlatched, except adjust hinges to return doors to closed position at stalls designed for use by persons with disabilities.

I. Anchor urinal screen panels to walls with continuous angle brackets on both sides.

J. Full Height (Continuous) Brackets: Secure panels or screens to walls and to pilasters with full-height brackets.

1. Locate bracket fasteners so holes for wall anchors occur in tile joints.

2. Align brackets at pilasters with brackets at walls.

K. Overhead-Braced Units: Secure pilasters to floor and level, plumb, and tighten. Set pilasters with anchors penetrating not less than 1-3/4 inches into structural floor unless otherwise indicated in manufacturer's written instructions. Secure continuous head rail to each pilaster with no fewer than two fasteners. Hang doors to align tops of doors with tops of panels, and adjust so tops of doors are parallel with overhead brace when doors are in closed position.

3.3 CLEANING

A. Clean surfaces of oil and imperfections.

B. Field touch-up of scratches and defaced finishes will not be permitted; replace damaged, scratched and marred defective materials with new, undamaged materials.

END OF SECTION

SECTION 10 22 20

OPERABLE PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes: Provide manually operated, top supported, operable partitions with retractable seals, including hardware and accessories as required for complete, operable system.

1. Acoustical Closure: Review Contract Documents to ensure acoustical closure of adjacent construction matches operable partition acoustical performance to prevent flanking sound around partition into adjacent spaces.

a. Provide additional construction as required to ensure acoustical closure.

1.2 ADMINISTRATIVE REQUIREMENTS

A. Design/Build Requirements: Provide services of registered structural engineer licensed in California with experience designing support for operable partitions.

1. Distribute loads to locations on building structure capable of supporting system without detrimental effects.

B. Pre-Installation Meeting: Convene not less than one week prior to commencing work of this Section. Require attendance of those directly affecting work of this Section.

1. Review installation procedures and coordination required with related work.

1.3 SUBMITTALS

A. Product Data: Furnish materials description, operation, and maintenance instructions.

B. Shop Drawings: Show partition and track layout, details of head, jamb, and sill conditions, stacking arrangement, hardware, and operating mechanism.

1. Indicate details of acoustical barrier over partitions system.

2. Provide template drawings for items supported or anchored by permanent construction.

C. Samples: Furnish samples of panel finish and edge construction.

D. Test Reports: Furnish copies of certificates by independent testing laboratories for following:

1. STC rating.
2. Flame spread classification.
1. Fire resistance ratings.
2. Field STC Tests: Furnish previous project test reports.

E. Certificates:

1. Manufacturer Certification: Furnish manufacturer's certification indicating system complies with Contract Documents.

2. Installer Acceptance: Furnish letter from manufacturer indicating acceptance of installer for this Project.

3. Design/Build Engineer Certification: Furnish certification from California registered engineer indicating structural support complies with Contract Documents and applicable codes without detrimental impact on building structure.

1.4 QUALITY ASSURANCE

A. Qualification of Installers: Minimum five years successful experience in installing operable partitions and accessories on comparable projects.

1. Acceptable to manufacturer of operable partition.

1.5 WARRANTY

A. Extended Correction Period: Provide for correcting failure of operable partition system from proper operation, including acoustical characteristics.

1. Special Warranty Period: Two years.

B. Manufacturer's Warranty: Submit manufacturer's warranty including special manufacturer services as required for manufacturer's warranty.

1. Period: Not less than 10 years.

2. Manufacturer's warranty shall not detract from requirements of extended correction period nor from Owner's rights under implied and expressed warranties regardless of wording of manufacturer's warranty.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

A. Hufcor, Inc.

B. Modernfold, a DORMA Group Company.

C. Industrial Acoustics Co., Inc.

D. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

A. System Description: Provide manually operated operable partitions with retractable seals and including hardware and accessories.

1. Partition Type: Top-supported, side-stacking, manually operated, with flush panels; manufacturer's STC 55 or 56 system as required to achieve required field performance requirements.

    a. Basis of Design: Hufcor Series 641 system with metal face for maximum acoustical performance.

2. Acoustical Closure: Provide acoustical closure of adjacent construction as required to match operable partition acoustical performance and as required to prevent flanking sound around partition into adjacent spaces.

B. Design Requirements: Design system to be supported by building structure; designed connections by registered professional structural engineer licensed in California.

1. Distribute loads to locations on building structure capable of supporting system without detrimental effects.

C. Fire Performance Requirements: Provide products listed by Underwriters Laboratories (UL), or similar independent laboratory acceptable to applicable authorities.

1. Flame Spread/Smoke Developed: Provide products meeting code requirements for maximum 25 flame spread and 450 smoke developed; Class A, ASTM E84.

~~D. Field Acoustical Performance Requirements: Provide minimum three field sound transmission rating tests on previous projects of similar size and scope indicating system to be provided has minimum FSTC of NIC 42.~~

~~1. Ratings: Determined in accordance with ASTM E413; tests by Architect approved independent testing laboratory.~~

~~2. Field Sound Transmission Rating: Minimum FSTC of NIC 42 when tested in accordance with ASTM E336, using reverberant-field procedure and full octave bands rather than one-third octave bands.~~

~~3. Operable Partition to have sound-absorbing panels with a minimum NRC 0.75.~~

E. Partition Type: Top-supported, side-stacking, manually operated, with flush panels.

1. Panel Configuration: Individual panels unless otherwise indicated.

F. Panel Construction: Factory assembled, consisting of minimum 16 gage welded steel channel perimeter frame with intermediate stiles, high density sound retardant insulation.

1. Panel Thickness: Nominal 3" to 4" thick; review Drawings for space provided for panel storage; provide panel system suitable of allowable space.

    a. Notify Architect during bidding if Project design requires potential modification for system to comply with Contract Document.

    b. Failure to notify Architect during bidding signifies acceptance of conditions indicated.

2. Panel Skins: Minimum 24-gage steel with rust inhibitive prime coat of paint.

3. Panel Support Bolts: Minimum 1/2" diameter; of fail-safe design that prevents loosening or backing out after panels have been installed.

4. Panel Materials: Incombustible, moisture resistant, and dimensionally stable.

5. Construction: All steel construction.

G. Track System: Overhead track designed for extra heavy duty; secured to structural support system by adjustable bolts.

1. Panel Supports: Ball bearing trolley assembly, capable of universal movement, turning on a central bearing and shall not require radius turns or switching mechanisms.

H. Deflection Compensation: Design system to accommodate specified long-term dead load deflection of up to 1/2" at any point in span while maintaining operational and acoustical qualities.

I. Seals: Provide system with single mechanism to activate floor seals; seals shall not contact floor or track during movement of panels.

1. Floor Seals: Durometer rating compatible with floor surfaces.

2. Vertical Seals: Manufacturer's standard as required to achieve acoustical performance specified.

3. Seal Materials: Resistant to fatigue and cleaning compounds and shall not mar floor or ceiling finishes.

4. Floor Guide and Floor Attachments: Not permitted.

J. Fixed and Operable Closure Jambs: Acoustical type designed to maintain acoustical seal at perimeter walls and junctions of operable partition; secure to building walls.

K. System Supports and Anchors: ASTM A36 steel shapes as required to attach operable partitions to building structural system.

1. Provide bracing at track intersections to resist panel impacts.

L. Finish: Panel and door finish shall be heavy duty vinyl fabric, color and texture as selected by Architect.

1. Apply finish to panels in shop. Return into vertical panel seams and mechanically fasten with removable astragal at panel edge.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine floor and overhead construction for conformance with tolerances; verify dimensions of in place and subsequent construction.

B. Installation of partition shall constitute acceptance of existing conditions.

3.2 INSTALLATION

A. Install operable partition system in accordance with manufacturer's recommendations and installation instructions as required to assure compliance with sound transmission test requirements.

1. Comply with ANSI E557, Standard Recommended Practice for Architectural Application and Installation of Operable Partitions.

2. Lubricate bearings and sliding parts; adjust to ensure smooth, easy operation.

3. Match operable partitions for color and pattern by using partition sections from cartons in same sequence as manufactured and packaged.

4. Broken, cracked, chipped, damaged, and deformed partitions are not acceptable.

B. Upon completion of installation, test operation of partition in presence of Architect.

C. Instruct Owner's personnel in operation and maintenance of partition.

3.3 FIELD QUALITY CONTROL

A. Site Acoustical Tests: Determine field sound transmission class values in accordance with ASTM E336; tests by Architect approved independent testing laboratory.

1. Field Sound Transmission Rating: Minimum FSTC of NIC 40 when tested in accordance with ASTM E336, using reverberant-field procedure and full octave bands rather than one-third octave bands.

2. Failed Tests: Make corrections and re-test.

3.4 CLEANING

A. Clean operable partition surfaces and adjacent surfaces soiled by operable partition work; avoid use of abrasive cleaners and solutions containing corrosive solvents.

1. Remove and replace panels and adjacent construction damaged by installation or cleaning operations.

END OF SECTION

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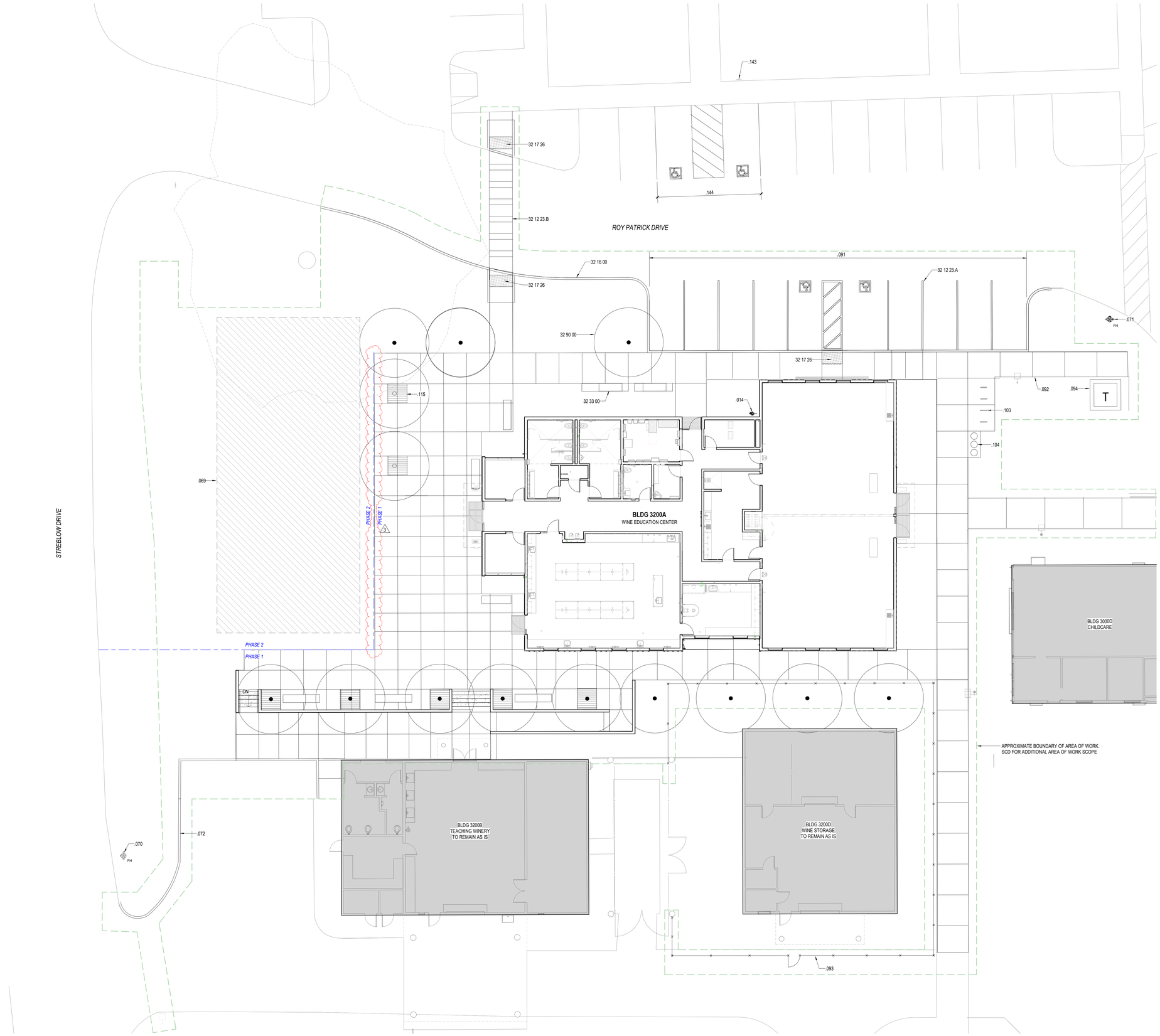

1 **PARTIAL SITE PLAN - PHASE 1**

1" = 10'-0"

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GENERAL SITE PLAN NOTES

A. SEE SHT G-002 FOR TWO NEW UNAUTHORIZED PARKING SIGNS TO BE INSTALLED (SITE DRAWING NOTE S.13) AS PART OF THE SCOPE OF NEW WORK.

B. SEE SHT G-002 FOR NEW WORK AT EXISTING PASSENGER DROP-OFF AREA (SITE DRAWING NOTE S.05) AS PART OF THE SCOPE OF NEW WORK.

REFERENCE KEYNOTE

32 12 23.A	PAVEMENT MARKINGS AND SIGNS - PARKIKNG STRIPING, SCD
32 12 23.B	PAVEMENT MARKINGS AND SIGNS - CROSSWALK MARKING, SCD
32 16 00	CONCRETE CURB, GUTTER AND SIDEWALKS, SCD
32 17 26	CAST CONCRETE DETECTIBLE/TACTILE WARNING, SCD
32 33 00	SITE FURNISHINGS, SLD
32 90 00	PLANTING, SLD

DRAWING NOTES

.014	FIRE RISER, SEE FIRE PROTECTION DWG'S & SCD. PAINT WITH HIGH PERFORMANCE COATING TO MATCH SURROUND
.069	PREPARATION OF PHASE 2 BUILDING PAD PART OF PHASE 1 WORK
.070	(E) FIRE HYDRANT
.071	(N) FIRE HYDRANT, SCD
.072	(N) CONCRETE CURB, SCD, TYP
.091	(N) PARKING IMPROVEMENTS, SCD
.092	(N) CONCRETE PAVING, SCD AND SLD, TYP
.093	(N) FENCING AROUND (E) BUILDING, SLD
.094	(N) TRANSFORMER AND CONCRETE PAD, SCD AND SED FOR ASSOCIATED WORK
.103	(N) BIKE RACKS, SLD
.104	(N) RECYCLE CONTAINERS, SLD
.115	TREE GRATE(S), SLD
.143	INSTALL (N) ACCESSIBLE PARKING SIGN, SEE C-502
.144	(N) PAVING AND PAVEMENT MARKINGS, SCD FOR LIMITS AND SCOPE OF WORK

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/20/2024

AGENCY APPROVAL STAMP

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CONSULTANT:

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LICENSED ARCHITECT
CARL SERRATO
C-32547
REN:12/31/23
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
3	4/18/24	ADDENDUM 3

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

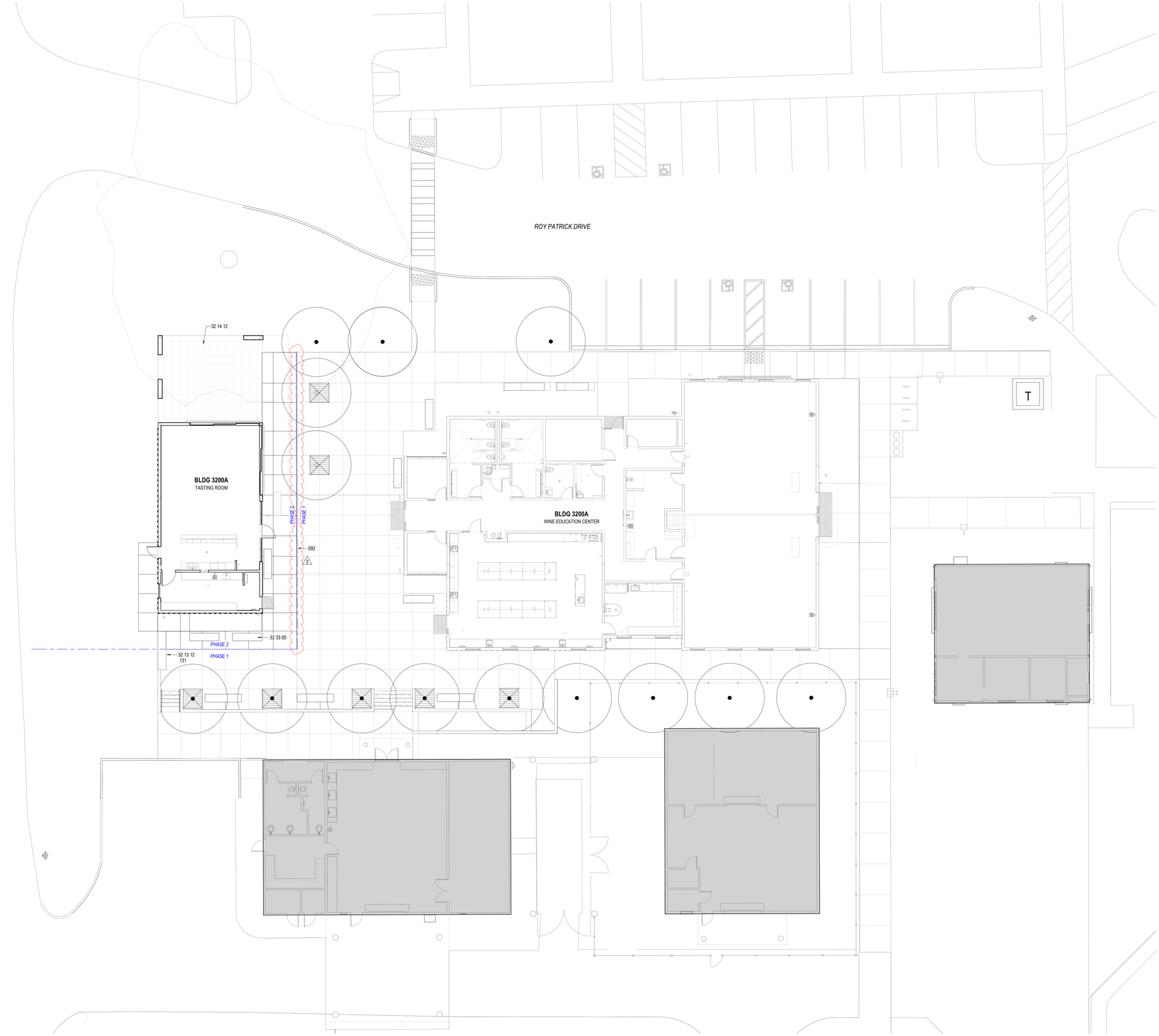
DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

PARTIAL SITE PLAN - PHASE 1

A-102



REFERENCE KEYNOTE

32 13 12	LANDSCAPE CONCRETE, SLD
32 14 12	CONCRETE UNIT PAVING, SLD
32 33 00	SITE FURNISHINGS, SLD

DRAWING NOTES

.092	(N) CONCRETE PAVING, SCD AND SLD, TYP
.131	ENTIRE BENCH TO BE CONSTRUCTED IN PHASE 2 WORK

1 **PARTIAL SITE PLAN - PHASE 2**
1" = 10'-0"

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APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/20/2024

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CARL SERRATO
C-32587
REN:12/31/23
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
3	4/18/24	ADDENDUM 3

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

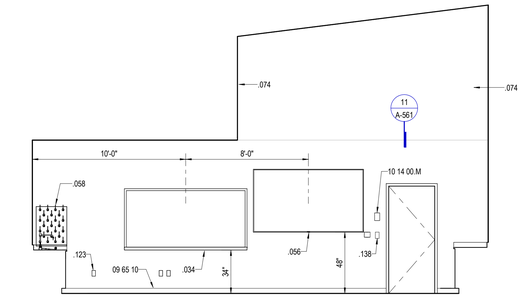
DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

PARTIAL SITE PLAN - PHASE 2

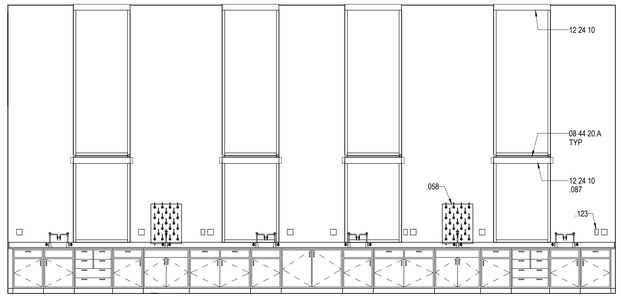
A-103



NOTE: SEE LAB DRAWINGS FOR CASEWORK, TYP AT WINE LAB

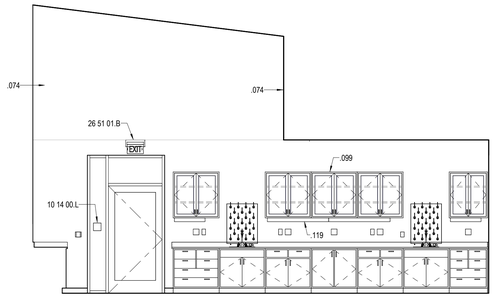
1A 108 WINE LAB - NORTH

1/4" = 1'-0"



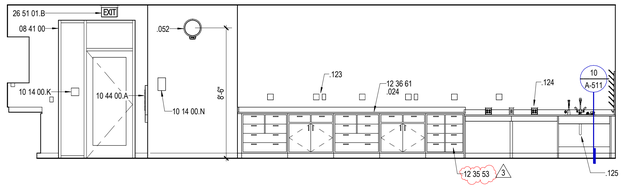
1B 108 WINE LAB - EAST

1/4" = 1'-0"



1C 104 WINE LAB - SOUTH

1/4" = 1'-0"



1D 108 WINE LAB - WEST

1/4" = 1'-0"

GENERAL INTERIOR ELEVATION NOTES

A. FOR TYPICAL MOUNTING HEIGHTS AND CLEARANCES AT FIXTURES AND TOILET ACCESSORIES, SEE **18/A-511**

B. FOR CLEARANCES AT DOORS, SEE **2/A-511**

C. FOR SIGNAGE AT DOORS, SEE **8/A-511**

D. FOR CLEARANCES AT LAVATORY, SEE **9/A-511**

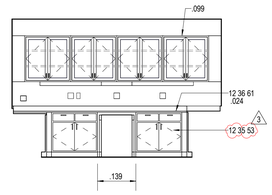
E. THESE NOTES APPLY TO ALL INTERIOR ELEVATION SHEETS.

REFERENCE KEYNOTE

08 41 00	ENTRANCES AND STOREFRONTS
08 44 20.A	GLAZED ALUMINUM CURTAIN WALLS - SOLAR SHELF
09 30 00	TILING
09 65 10	RESILIENT BASE AND ACCESSORIES
10 14 00.K	SIGNAGE - EXIT ROUTE, SEE 20K/A-511
10 14 00.L	SIGNAGE - EXIT, SEE 20L/A-511
10 14 00.M	SIGNAGE - ROOM SIGNAGE, SEE 20M/A-511
10 14 00.N	SIGNAGE - ASSISTIVE LISTENING, SEE 20N/A-511
10 44 00.A	FIRE PROTECTION CABINET - SEMI-RECESSED
12 24 10	ELECTRIC WINDOW SHADES
12 35 53	LABORATORY CASEWORK SYSTEM AND ACCESSORIES
12 36 61	SOLID SURFACING COUNTERTOPS - 1" EPOXY RESIN
22 00 00	PLUMBING FIXTURE, SPD
26 51 01.A	LIGHTING FIXTURE (TYP), SED
26 51 01.B	EMERGENCY LIGHTING - EXIT SIGN (TYP), SED
28 31 00	FIRE DETECTION AND ALARM, SFED

DRAWING NOTES

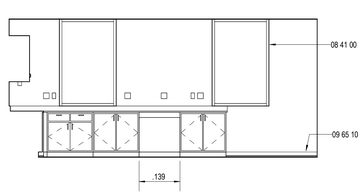
.022	ACCESSIBLE EMERGENCY EYE WASH AND SHOWER, SPD & SEE LAB DWG'S
.024	EPOXY RESIN COUNTERTOP WITH 3/4" EPOXY RESIN SIDE / BACKSPLASH
.034	4' X 8' DRY ERASE WHITEBOARD WITH TRAY
.041	UNDERCOUNTER WINE COOLER TO FIT UNDER ADA COUNTER HEIGHT, SED FOR ASSOCIATED WORK. PERLICK MODEL HA24WB-4-3R/L(L)." PRODUCT SHALL INCLUDE THE FOLLOWING FEATURES: 1. COMMERCIAL GRADE STAINLESS STEEL INTERIOR AND EXTERIOR. 2. GLASS VISION DOOR. 3. STAINLESS STEEL WIRE WINE SHELVES WITH FULL EXTENSION, VIBRATION DAMPENED STAINLESS STEEL BALL-BEARING GLIDES. 4. AUDIBLE ALARM IF DOOR IS HELD OPEN. 5. LED LIGHTING (COLOR: BLUE OR WHITE. TO BE DETERMINED BY OWNER). 6. 32 BOTTLE MINIMUM CAPACITY. 7. STAINLESS STEEL VERTICAL DOOR PULL. RIGHT OR LEFT SIDE TO BE DETERMINED BY OWNER. 8. FACTORY INSTALLED LOCK. PROVIDE 3 KEYS MINIMUM.
.042	UNDER COUNTER COMMERCIAL GRADE GLASSWARE WASHER, CFCI. MIELE PROFESSIONAL PG 8061 U, 208V, STAINLESS STEEL FINISH WITH GLASSWARE BASKETS. CONFIRM ACCESSORIES WITH COLLEGE REPRESENTATIVE. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO PURCHASE. SED & SPD FOR ASSOCIATED WORK
.052	CLOCK TO MATCH CAMPUS STANDARD, SED
.056	98" FLAT PANEL DISPLAY, SEE AV DRAWINGS & SED. MAX 4" PROJECTION FROM WALL
.057	ACCESSIBLE FUME HOOD, SPD, SMD, SED & SEE LAB DWG'S FOR ASSOCIATED WORK. PROVIDE FRAMED GYP BD BULKHEAD TWO SIDES IF UNIT DOES NOT HAVE CLOSURE PANELS TO CEILING. SEE DTL 3/LF-902
.058	PEG DRYING RACK, TYP
.074	ACOUSTICAL WALL PANEL (WP-1) AT +10'-0" TO SLOPED CEILING THIS WALL
.085	CABINET END PANEL WITHOUT TOE KICK - TYP AT ALL CONDITIONS WHERE CABINET IS NOT AGAINST A WALL
.087	LOW VOLTAGE WIRING FOR ROLLER SHADE AT SOLAR SHELF TO BE CONCEALED - ROUTE THROUGH WALL AND CURTAIN WALL FRAMING
.099	UPPER CABINET COLOR TO BE WHITE OR OFF-WHITE
.119	CENTER UNDER CABINET LIGHT FIXTURES ON CABINET, TYP
.123	ELECTRICAL SWITCHES, POWER OUTLETS, DATA OUTLETS, TYP. SED
.124	POWER/DATA TOWER AT ACCESSIBLE WORK AREA, TYP
.125	PROVIDE PIPE INSULATION AT ACCESSIBLE SINK,TYP
.126	EMERGENCY SHOWER HEAD MIN 36" OFF OF WALL
.128	SERVICE FAUCET WITH ADA COMPATIBLE SPRAY HOSE ATTACHMENT AND SPRAY NOZZLE WALL HANGER @ +36"
.138	WINDOW ROLLER SHADES CONTROL SWITCH @ +48", SED FOR ASSOCIATED WORK
.139	OPEN SPACE UNDER COUNTERTOP FOR EQUIPMENT - SEE LAB DRAWINGS



NOTE: SEE LAB DRAWINGS FOR CASEWORK, TYP AT LAB PREP

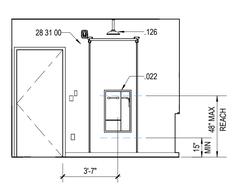
2A 109 LAB PREP - NORTH

1/4" = 1'-0"



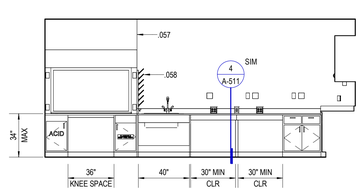
2B 109 LAB PREP - EAST

1/4" = 1'-0"



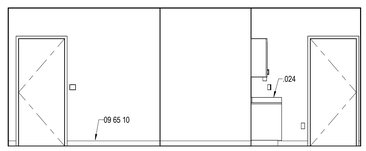
2C 109 LAB PREP - SOUTH

1/4" = 1'-0"



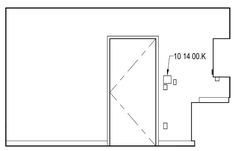
2D 109 LAB PREP - WEST

1/4" = 1'-0"



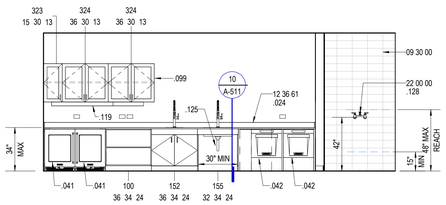
3A 114 SENSORY PREP - NORTH

1/4" = 1'-0"



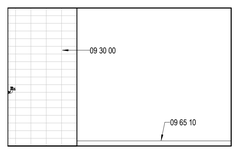
3B 114 SENSORY PREP - EAST

1/4" = 1'-0"



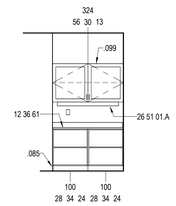
3C 114 SENSORY PREP - SOUTH

1/4" = 1'-0"



3D 114 SENSORY PREP - WEST

1/4" = 1'-0"



3E 119 - SENSORY PREP

1/4" = 1'-0"

5/24/2024 8:32:45 AM

TLCDARCHITECTURE
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STAMP:

LICENSED ARCHITECT
EARL SERRAO
C-32570
REN:12/31/23
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
3	4/18/24	ADDENDUM 3

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

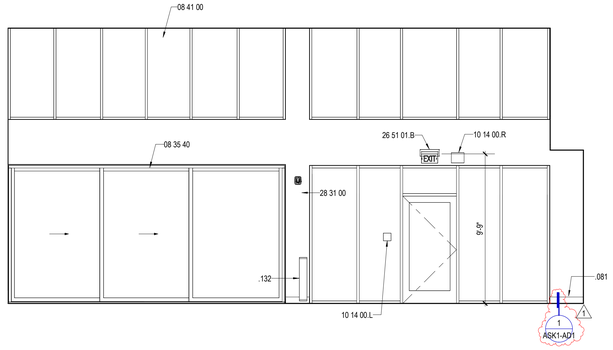
DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

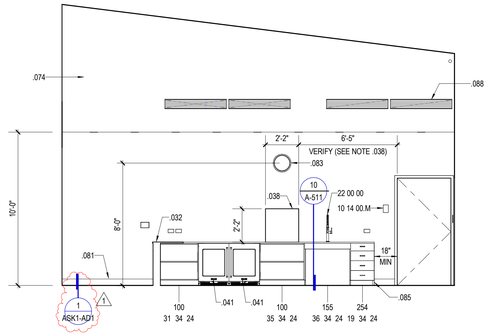
INTERIOR ELEVATIONS - PHASE 1

A-251



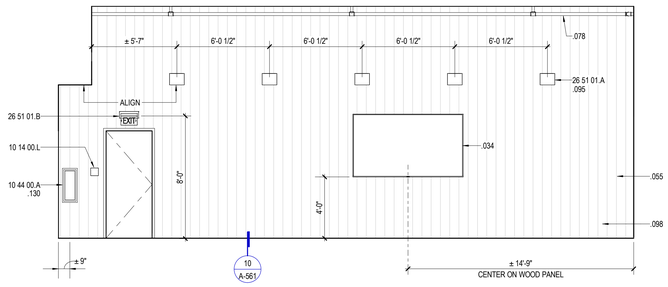
6A **116 HOSPITALITY - NORTH**

1/4" = 1'-0"



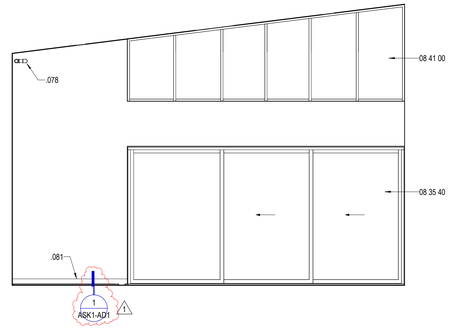
6B **116 HOSPITALITY - EAST**

1/4" = 1'-0"



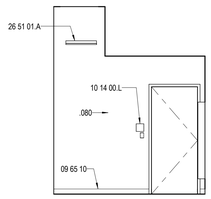
6C **116 HOSPITALITY - SOUTH**

1/4" = 1'-0"



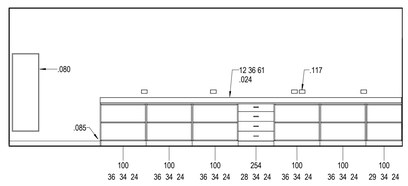
6D **116 HOSPITALITY - WEST**

1/4" = 1'-0"



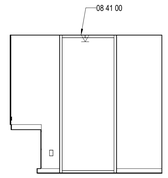
7A **117 PREP - NORTH**

1/4" = 1'-0"



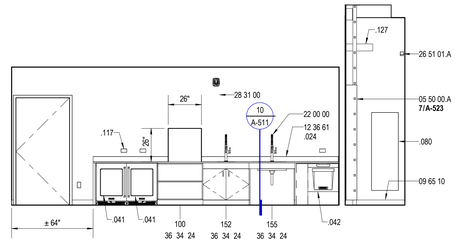
7B **117 PREP - EAST**

1/4" = 1'-0"



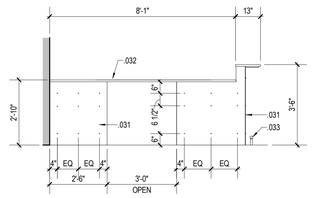
7C **117 PREP - SOUTH**

1/4" = 1'-0"



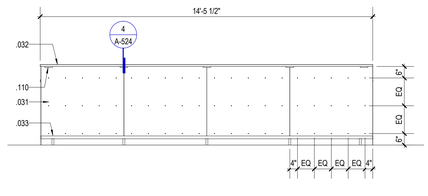
7D **117 PREP - WEST**

1/4" = 1'-0"



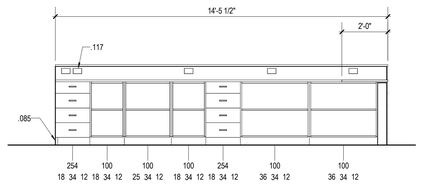
8A **116 HOSPITALITY BAR - NORTH**

3/8" = 1'-0"



8B **116 HOSPITALITY BAR - EAST**

3/8" = 1'-0"



8C **116 HOSPITALITY BACK BAR - WEST**

3/8" = 1'-0"

REFERENCE KEYNOTE

05 50 00.A	METAL FABRICATIONS - LADDER
08 35 40	SLIDING ALUMINUM AND GLASS WALLS
08 41 00	ENTRANCES AND STOREFRONTS
09 65 10	RESILIENT BASE AND ACCESSORIES
10 14 00.L	SIGNAGE - EXIT, SEE 20L/A-511
10 14 00.M	SIGNAGE - ROOM SIGNAGE, SEE 20M/A-511
10 14 00.R	SIGNAGE - MAXIMUM OCCUPANCY 181
10 44 00.A	FIRE PROTECTION CABINET - SEMI-RECESSED
12 36 61	SOLID SURFACING COUNTERTOPS - 1" EPOXY RESIN
22 00 00	PLUMBING FIXTURE, SPD
26 51 01.A	LIGHTING FIXTURE (TYP), SED
26 51 01.B	EMERGENCY LIGHTING - EXIT SIGN (TYP), SED
28 31 00	FIRE DETECTION AND ALARM, SFED

DRAWING NOTES

.024	EPOXY RESIN COUNTERTOP WITH 3/4" EPOXY RESIN SIDE / BACKSPLASH
.031	1/4" BLACKENED STEEL PLATE PANELS WITH BLACK PAN HEAD FASTENERS
.032	RICHLITE STRATUM 1" THICK COUNTERTOP - BAMBOO BLACK DIAMOND LEATHERED FINISH
.033	CUSTOM FABRICATED BLACKENED STEEL FOOT RAIL WITH POST EPOXY SET INTO CONCRETE FLOOR
.034	4' X 8' DRY ERASE WHITEBOARD WITH TRAY
.038	CABINET DOOR PANEL WITH VERTICAL SLIDING DOOR HARDWARE. CUSTOM COLOR DOOR PANEL TO MATCH WALL. CENTER OPENING ON CABINET BELOW
.041	UNDERCOUNTER WINE COOLER TO FIT UNDER ADA COUNTER HEIGHT, SED FOR ASSOCIATED WORK. PERLICK MODEL HA24WB-4-3R/L(L). PRODUCT SHALL INCLUDE THE FOLLOWING FEATURES: 1. COMMERCIAL GRADE STAINLESS STEEL INTERIOR AND EXTERIOR. 2. GLASS VISION DOOR. 3. STAINLESS STEEL WIRE WINE SHELVES WITH FULL EXTENSION, VIBRATION DAMPENED STAINLESS STEEL BALL-BEARING GLIDES. 4. AUDIBLE ALARM IF DOOR IS HELD OPEN. 5. LED LIGHTING (COLOR: BLUE OR WHITE. TO BE DETERMINED BY OWNER). 6. 32 BOTTLE MINIMUM CAPACITY. 7. STAINLESS STEEL VERTICAL DOOR PULL. RIGHT OR LEFT SIDE TO BE DETERMINED BY OWNER. 8. FACTORY INSTALLED LOCK. PROVIDE 3 KEYS MINIMUM. (3)
.042	UNDER COUNTER COMMERCIAL GRADE GLASSWARE WASHER, CFCI. MIELE PROFESSIONAL PG 8061 U. 208V, STAINLESS STEEL FINISH WITH GLASSWARE BASKETS. CONFIRM ACCESSORIES WITH COLLEGE REPRESENTATIVE. SUBMIT PRODUCT INFORMATION FOR APPROVAL PRIOR TO PURCHASE. SED & SPD FOR ASSOCIATED WORK
.055	5/8 X 8 S4S VERTICAL GRAIN DOUGLAS FIR BOARDS OVER 5/8" PLYWD SHTHG - ALIGN JOINTS WITH CEILING BOARDS. FINISH WITH CLEAR SATIN POLYURETHANE COATING (SPRAY APPLIED)
.074	ACOUSTICAL WALL PANEL (WP-1) AT +10'-0" TO SLOPED CEILING THIS WALL
.078	EXPOSED FIRE SPRINKLER LINES, HANGERS, ETC TO BE PAINTED WITH HIGH PERFORMANCE COATING TO MATCH SW 7069 IRON ORE
.080	ELECTRICAL PANEL, SED
.081	5" X 1/2" WOOD BASE - PAINT TO MATCH WALL, SATIN FINISH
.083	CLOCK TO MATCH CAMPUS STANDARD, SED. CENTER ON OPENING BELOW
.085	CABINET END PANEL WITHOUT TOE KICK - TYP AT ALL CONDITIONS WHERE CABINET IS NOT AGAINST A WALL
.088	MECHANICAL REGISTER - SMD, TYP
.095	LIGHT FIXTURES CENTERED ON WOOD PANEL, TYP
.098	OUTLETS, SWITCHES FACEPLATES, ETC AT WOOD WALL TO BE BLACK FINISH. ALL OTHER LOCATIONS WHITE
.110	COUNTERTOP SUPPORT BRACKET, TYP OF (5). CENTER AT PANEL JOINT EXCEPT AT ENDS CENTER ON SCREW LINE BELOW
.117	ELECTRICAL AND/OR DATA OUTLETS, SED
.127	WRAP EXPOSED DIMENSIONAL WOOD LEDGER IN GYP BD AND PAINT TO MATCH SURROUND
.130	CENTER CABINET ON WOOD PANELING JOINT
.132	LOW ENERGY DOOR ACTUATOR, SED FOR ASSOCIATED WORK & DTL 19/A-522

AGENCY APPROVAL STAMP:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/20/2024

TLCDARCHITECTURE
520 Third St. #250
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LICENSED ARCHITECT
EARL SERDAN
C-32575
REN:12/31/25
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
1	3/6/24	ADDENDUM 1
3	4/18/24	ADDENDUM 3

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

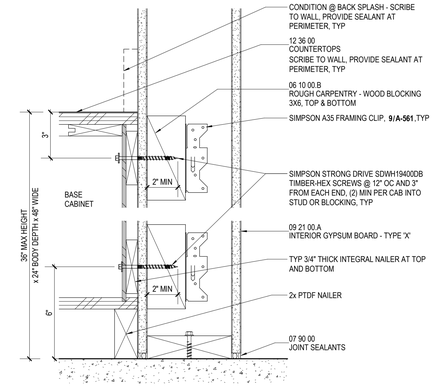
TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

INTERIOR ELEVATIONS - PHASE 2

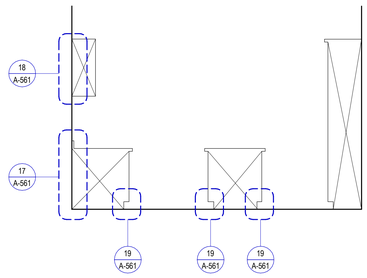
A-253

5/24/2024 8:32:52 AM



17 BASE CABINET ANCHORAGE @ WALL

3" = 1'-0"
A-561

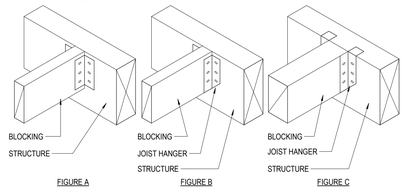


13 TYPICAL ANCHORAGE REQ

3/8" = 1'-0"

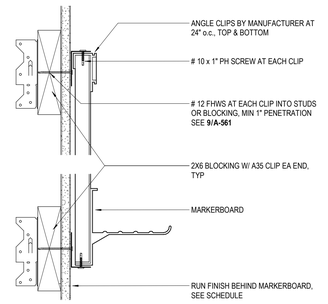
BLOCKING AND CONNECTORS						
BLOCKING SIZE	MAX SPAN	SIMPSON MODEL NO.	BLOCKING NAILING	STRUCTURE NAILING	FIG.	MAX LOAD, LBS.
2x4	4'	A34	4-8d x 1-1/2"	4-8d x 1-1/2"	A	280
2x6	6'	A35	6-8d x 1-1/2"	6-8d x 1-1/2"	A	450
2x4	4'	U24	2-10d x 1-1/2"	4-16d	B	245
2x6	6'	U26	4-10d x 1-1/2"	6-16d	B	385
2x8	6'	U28	6-10d x 1-1/2"	8-16d	B	508
4x4	6'	UTF44 / HU44	2-10d	4-16d	C	530
4x6	8'	UTF46 / HU46	4-10d	8-16d	C	1065
4x8	8'	UTF46 / HU46	4-10d	8-16d	C	1065

NOTE:
1. MAXIMUM LOAD RATING SHOWN IS FOR EACH BLOCKING MEMBER
2. THE SCHEDULE IS BASED ON 2-FRAMING ANCHORS
3. NAILING NOTED FOR EACH FRAMING ANCHOR



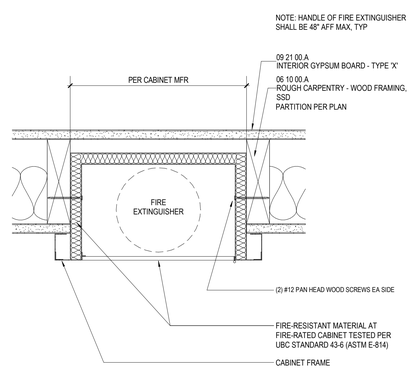
9 BLOCKING CONNECTOR TABLE

3" = 1'-0"



5 MARKERBOARD ANCHORAGE

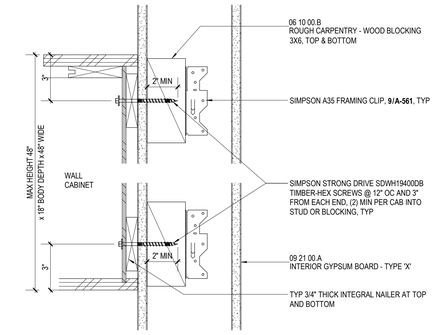
3" = 1'-0"



1 FIRE EXTINGUISHER CABINET AT RATED PARTITION

3" = 1'-0"
A-561

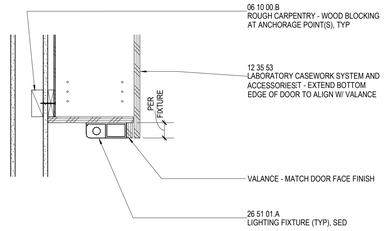
(NON-RATED PARTITION SIM)



18 WALL CABINET ANCHORAGE @ WALL

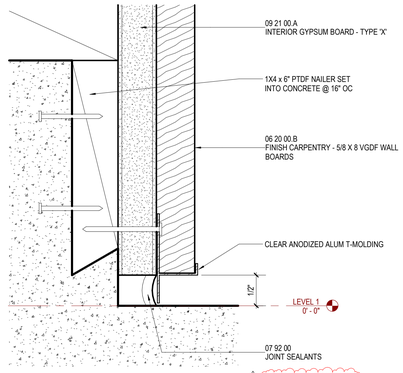
3" = 1'-0"
A-561

REF: WC-01



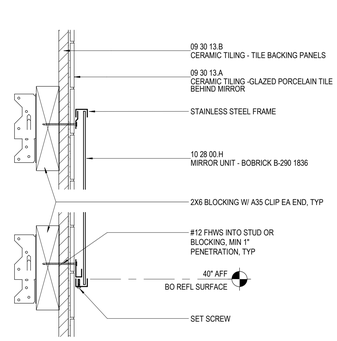
14 UNDER CABINET LIGHT

1 1/2" = 1'-0"



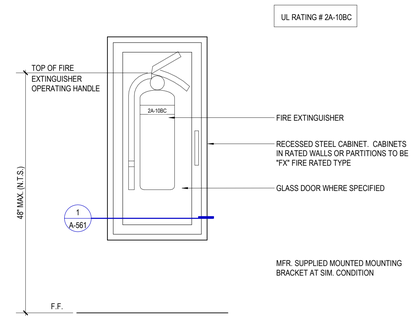
10 WOOD PLANK TRIM AT FLOOR

12" = 1'-0"
A-253



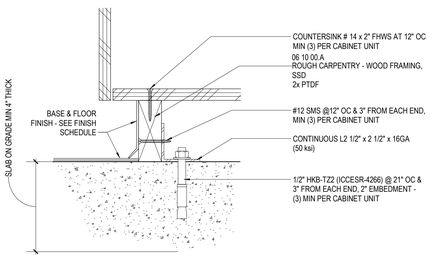
6 MIRROR ATTACHMENT

3" = 1'-0"



2 FIRE EXTINGUISHER MOUNTING

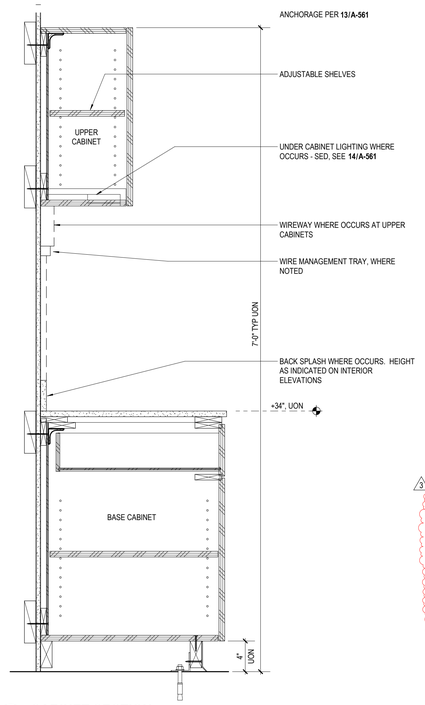
1 1/2" = 1'-0"



19 TOE KICK BASE ANCHORAGE @ SLAB

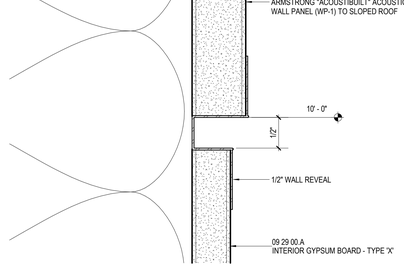
3" = 1'-0"
A-561

REF: BC-02 & PC-01



16 CABINET SECTION

1 1/2" = 1'-0"



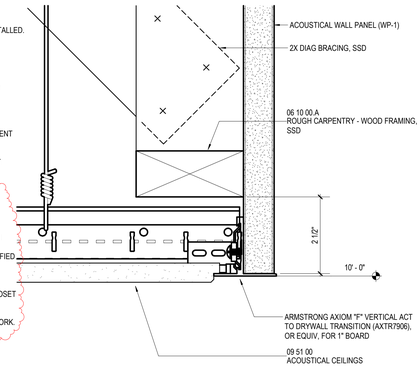
11 TRANSITION AT ACOUSTICAL WALL PANELS

12" = 1'-0"
A-251

A. END PANELS:
PROVIDE END PRIVACY PANELS AT ALL BASE CABINET RETURNS WHICH WILL BE EXPOSED TO VIEW OR APPROACH WHEN INSTALLED.
B. SIDE SPLASHES AT COUNTERTOPS:
PROVIDE SIDE SPLASHES AT ALL LOCATIONS WHERE COUNTERTOPS WITH BACK SPLASHES MEET ADJACENT PARTITION.
C. GROMMETS:
PROVIDE GROMMETS AS SPECIFIED AND NOTED AT ALL COUNTERTOPS WITH KNEE SPACE BELOW. PROVIDE A MIN OF ONE GROMMET FOR EACH 36" LENGTH OF KNEE SPACE IF NOT SHOWN ON DRAWINGS. TYPICAL GROMMETS SHALL BE PER SPECIFICATIONS. EXACT LOCATIONS OF GROMMETS TO BE DETERMINED BY USER IN FIELD AFTER CASEWORK IS INSTALLED.
D. ACCESS PANELS:
PROVIDE REMOVABLE BACK PANEL (SIZE OF ENTIRE CABINET BACK) AT CABINETS CONTAINING SINK OR OTHER PLUMBING, DATA/COMMUNICATION LINES, OTHER ELECTRICAL WIRING OR EQUIPMENT WIRING AS INDICATED ON DETAILS, SMD & SED.
E. TOE KICK:
TOE KICKS ON CASEWORK ARE TO BE 3" DEEP & 4" HIGH TYP UON. PROVIDE SAME BASE FINISH AND MATERIALS AS ON ADJACENT WALLS UON - SEE FINISH SCHEDULE. EXTEND BASE TO WALL AT ALL CABINET RETURNS, RECESSES, AND END PANELS.
F. HARDWARE:
PROVIDE U-SHAPED WIRE PULLS AT ALL ACCESSIBLE CASEWORK OR EQUALLY ACCESSIBLE PULL HARDWARE THAT DOES NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST
3 G. CASEWORK IDENTIFICATION SYMBOL BELOW THE CABINET ELEVATIONS REFER TO THE NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARD CABINET DESIGN SERIES STANDARDS, CONFIGURATIONS, HARDWARE AND ACCESSORIES. THE TOP NUMBER IS THE CABINET CONFIGURATION. THE TREE NUMBERS BELOW THE TOP NUMBER REFER TO THE CABINET WIDTH X HEIGHT X DEPTH. ALL CASEWORK WITH THIS IDENTIFIER SYMBOL ARE SPECIFIED IN SECTION 06 40 00 ARCHITECTURAL WOODWORK.
H. ALL CASEWORK IN ROOMS WINE LAB 104 AND LAB PREP 105 SHALL BE LABORATORY CASEWORK SPECIFIED IN SECTION 12 35 53 LABORATORY CASEWORK SYSTEM AND ACCESSORIES, WITH EPOXY RESIN COUNTERTOPS AND BACKSPLASHES SPECIFIED IN SECTION 12 36 61 SOLID SURFACING COUNTERTOPS, AND AS INDICATED IN THE LABORATORY FURNISHINGS DRAWINGS
J. CASEWORK COUNTERTOPS AND BACKSPLASHES IN THE FOLLOWING ROOMS SHALL BE FINISH CODE SSM1 EPOXY RESIN AS SPECIFIED IN SECTION 12 36 61 SOLID SURFACING COUNTERTOPS.
1. PHASE 1: SENSORY CLASSROOM 113, SENSORY PREP 114, SENSORY CLASSROOM 115.
2. PHASE 2: PREP 117.
K. CASEWORK COUNTERTOPS AND BACKSPLASHES IN THE FOLLOWING ROOMS SHALL BE FINISH CODE SSM2 FSC CERTIFIED THERMOSET PAPER COMPOSITE AS SPECIFIED IN THE FINISH CODE LIST ON DRAWING A-601.
1. PHASE 2: BAR CASEWORK IN ROOM HOSPITALITY 116.
L. CASEWORK IN THE FOLLOWING ROOMS SHALL BE PLASTIC LAMINATE AS SPECIFIED IN SECTION 06 40 00 ARCHITECTURAL WOODWORK. PLASTIC LAMINATE COLOR TO BE SELECTED BY ARCHITECT – REFER TO 06 40 00-2.1.B.2.C.
1. PHASE 1: CUSTODIAL 110, SENSORY CLASSROOM 113, SENSORY PREP 114, AND SENSORY CLASSROOM 115.
2. PHASE 2: BAR CASEWORK IN ROOM HOSPITALITY 116 AND PREP 117.
EXCEPTIONS: BLACKENED STEEL WALL PANELS AT HOSPITALITY 116 BAR AS INDICATED ON DRAWINGS.

12 CASEWORK NOTES

.

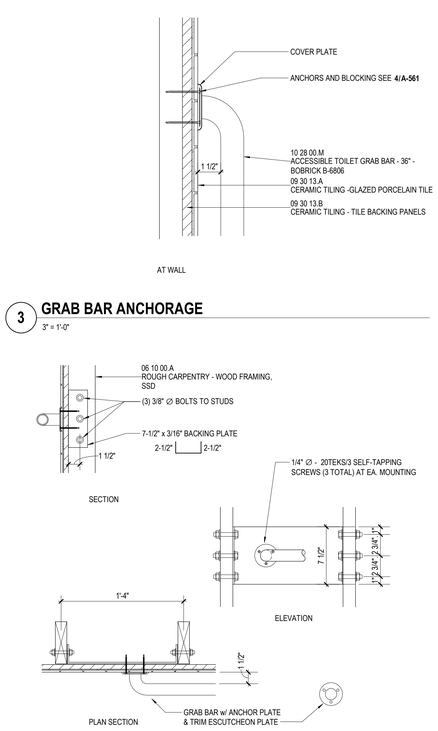


7 'J' MOLD TRIM AT FRP

1 : 1

8 SUSP CLG TRANSITION AT BULKHEAD

6" = 1'-0"
A-171



4 GRAB BAR BACKING

1 1/2" = 1'-0"

3 GRAB BAR ANCHORAGE

3" = 1'-0"

5/4/2024 8:32:55 AM

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/20/2024

AGENCY APPROVAL STAMP:

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CONSULTANT:

STAMP:

LICENSED ARCHITECT
EARL SERDAN
C-32567
REN:12/31/23
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
3	4/18/24	ADDENDUM 3

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

DETAILS - INTERIOR

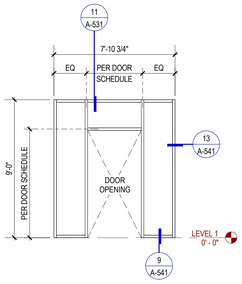
A-561

STOREFRONT / CURTAIN WALL TYPES:

NOTE: ALL GLAZING (INTERIOR AND EXTERIOR) IS 1-INCH INSULATED AND TEMPERED.

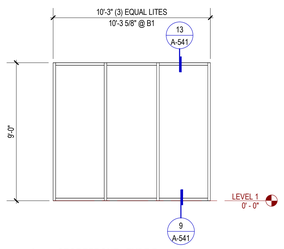
ALL OPENINGS TO BE FIELD MEASURED PRIOR TO SHOP DRAWINGS AND FABRICATION.

STOREFRONT MANUFACTURER TO DETERMINE IMPLEMENTATION OF DEFLECTION HEAD TRACK AT STOREFRONT WITH STEEL BEAM(S) ABOVE WITH 1/2" DEFLECTION.



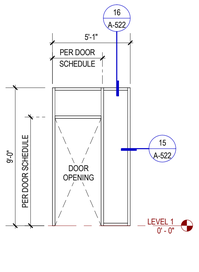
1 **STOREFRONT - TYPE A**

1/4" = 1'-0"



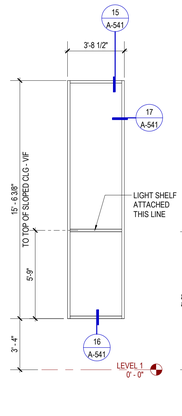
2 **STOREFRONT - TYPE B**

1/4" = 1'-0"



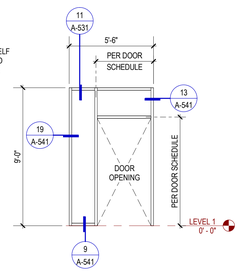
3 **STOREFRONT - TYPE C**

1/4" = 1'-0"



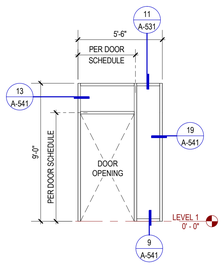
4 **CURTAIN WALL - TYPE D**

1/4" = 1'-0" LOW-IRON GLAZING



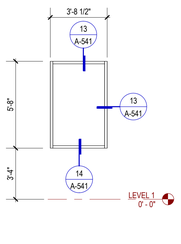
5 **STOREFRONT - TYPE E**

1/4" = 1'-0"



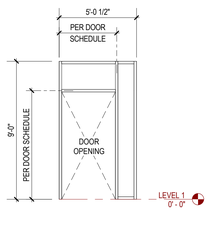
6 **STOREFRONT - TYPE F**

1/4" = 1'-0"



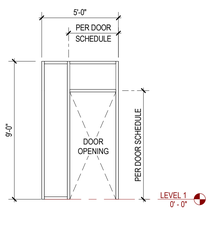
7 **STOREFRONT - TYPE G**

1/4" = 1'-0" LOW-IRON GLAZING



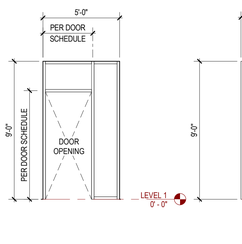
8 **STOREFRONT - TYPE H**

1/4" = 1'-0"



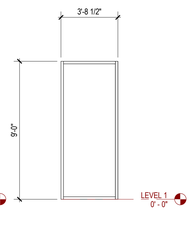
9 **STOREFRONT - TYPE J**

1/4" = 1'-0"



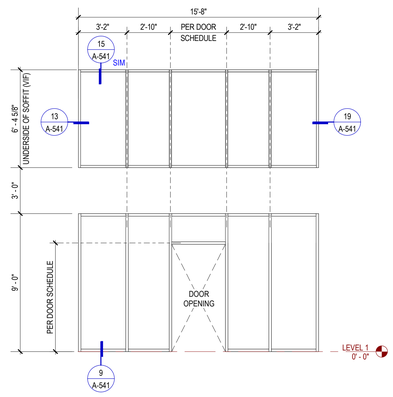
10 **STOREFRONT - TYPE K**

1/4" = 1'-0"



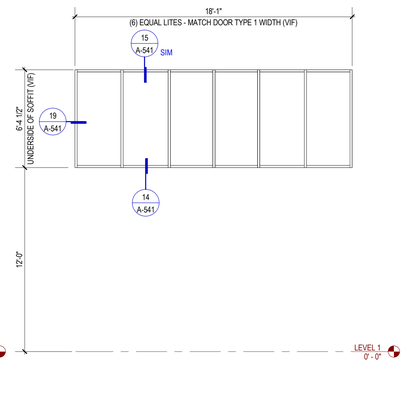
11 **STOREFRONT - TYPE Q**

1/4" = 1'-0"



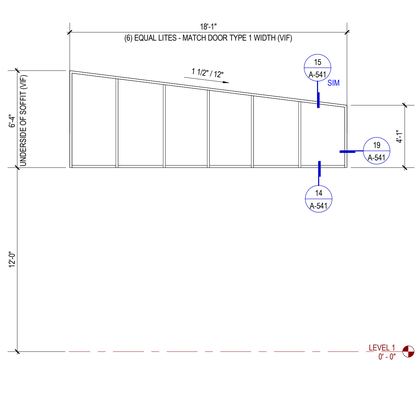
12 **STOREFRONT - TYPE L, M (UPPER)**

1/4" = 1'-0"



13 **STOREFRONT - TYPE N**

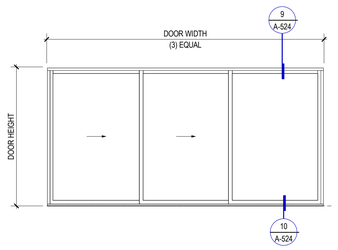
1/4" = 1'-0"



14 **STOREFRONT - TYPE P**

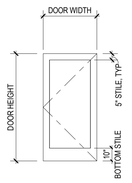
1/4" = 1'-0"

DOOR & FRAME TYPES:



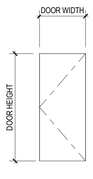
15 **DOOR TYPE 1 - SLIDING GLASS WALL**

1/4" = 1'-0"



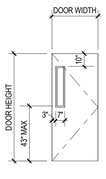
16 **DOOR TYPE 2 - STOREFRONT**

1/4" = 1'-0"



17 **DOOR TYPE 3 - FLUSH**

1/4" = 1'-0"



18 **DOOR TYPE 4 - FLUSH VISION**

1/4" = 1'-0"

19 **FRAME TYPE A - HOLLOW MTL**

1/4" = 1'-0"

20 **FRAME TYPE B - STOREFRONT**

1/4" = 1'-0"

ROOM FINISH SCHEDULE - PHASE 1

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FINISH	COMMENTS
101	HALL	T-3	B-1	P-1	P-1	P-1	P-1	AC-1	
102	OFFICE	CPT-1	B-1	P-1	P-1	P-1	P-1	AC-1	
103	OFFICE	CPT-1	B-1	P-1	P-1	P-1	P-1	AC-1	
104	WINE LAB	RF-1	B-1	P-2/WP-1	P-2	P-2/WP-1	P-2/WP-1	WD-1 / AC-1	WP-1 FINISH AT WEST WALL AT BULKHEAD BELOW SLOPED CEILING
105	LAB PREP	RF-1	B-1	P-2	P-2	P-2	P-2	PGB-1	
106	MECH	2 C-1	B-1	P-2	P-2	P-2	P-2	PGB-1	
107	WOMEN	T-1	B-2	T-2	T-2	T-2	T-2	PGB-1	
108	MEN	T-1	B-2	T-2	T-2	T-2	T-2	PGB-1	
109	TOILET	T-1	B-2	T-2	T-2	T-2	T-2	PGB-1	
110	CUST	2 C-1	B-1	P-2	P-2	P-2	P-2	PGB-1	FRP AT MOP SINK - SEE INTERIOR ELEVATIONS
111	ELEC	C-1	B-1	P-2	P-2	P-2	P-2	PGB-1	
112	BDF	RF-2	B-1	P-2	P-2	P-2	P-2	PGB-1	
113	SENSORY CLASSROOM	RF-1	B-1	P-2/WP-1	P-2/WP-1	P-2/WP-1	P-1	WD-1/ AC-1	WP-1 FINISH AT EAST WALL AT BULKHEAD BELOW SLOPED CEILING
114	SENSORY PREP	RF-1	B-1	P-2	P-2	P-2	P-2/WP-1	PGB-1	FLOOR TILE T-1 AND WALL TILE T-2 AT CART WASH - SEE INTERIOR ELEVATIONS
115	SENSORY CLASSROOM	RF-1	B-1	P-2/WP-1	P-1	P-2/WP-1	P-2/WP-1	WD-1 / AC-1	WP-1 FINISH AT WEST WALL AT BULKHEAD BELOW SLOPED CEILING

ROOM FINISH SCHEDULE - PHASE 2

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FINISH	COMMENTS
116	HOSPITALITY	T-3	B-3	P-1	P-3	WD-1	P-1	WD-1	PAINT SOFFIT ABOVE BACK BAR TO MATCH WALL; NO BASE AT VGDF WALL
117	PREP	T-3	B-1	P-1	P-1	P-1	P-1	AC-1	

FINISH CODE LIST

CODE	SPECIFICATION	MANUFACTURER	STYLE / COLOR	NOTES
ACOUSTIC WALL PANEL				
WP-1	09 77 20	ARMSTRONG	ACOUSTIBUILT SEAMLESS ACOUSTICAL WALL SYSTEM / ACOUSTIBUILT FINE TEXTURE FINISH PAINT TO MATCH GYP BD WALLS	INSTALL FROM +10'-0" TO WOOD CEILING AT (3) WALLS WITHOUT GLAZED OPENINGS
ARCHITECTURALLY EXPOSED STUCTURAL STEEL				
AESS	05 12 10 / 09 96 70		HIGH PERFORMANCE COATING / CUTOM COLOR MATCH	
BLACKENED STEEL PLATE				
BS-1	05 50 00	-	1/4" BLACKENED STEEL PLATE	WITH BLACK PAN HEAD SCREWS
CARPET				
CPT-1	09 68 10	SHAW CONTRACT	OBSERVE TILE / OPTOMISTIC	10" X 40" PLANK CARPET TILE; ASHLAR INSTALL METHOD
CEILING - LAY-IN ACOUSTICAL PANEL				
AC-1	09 51 00	ARMSTRONG	ULTIMA WITH 15/16" PRELUDE GRID / WHITE	24" X 24" X 5/8" SQ LAY-IN; MINIMUM NRC 0.80; USE KINETICS AF-100 SOUND ISOLATION HANGERS (OR EQUIVALENT) AT CEILING GRID AT WINE LAB 104
CEILING - PAINTED GWB				
PGB-1	09 21 00 / 09 90 00	SHERWIN WILLIAMS	SW 9542 NATURAL WHITE	P-2 PAINT FINISH
CONCRETE - SEALED				
C-1	03 35 15	PROSOCO	CONSOLIDECK LS/LC	TRAFFIC RATED, NON-SLIP
CURTAIN WALL / STOREFRONT				
CW-SF	08 41 00 / 08 44 20	OLDCASTLE	RELIANCE-LT CURTAIN WALL , SERIES 6000 STOREFRONT / 399X440 BRIGHT SILVER	
FIBER REINFORCED PANEL				
FRP	09 77 30	MARLITE	PEBBLED / P100 WHITE	
GLASS-FIBER-REINFORCED-CONCRETE PLANKS				
GFRC-1	07 46 50	RIEDER	OKO SKIN STRIPES / CHROME	MATT, FERRO LIGHT AND FERRO TEXTURES RANDOMLY MIXED; RANDOM HORIZONTAL JOINT STAGGER
LAB CASEWORK				
LC-1	12 35 53	KEWAUNEE SCIENTIFIC	STEEL CASEWORK / 463 IRON ORE LOWERS; 78 SNOW WHITE UPPERS	SEE LABORATORY DRAWINGS SHT LF-003
OPERABLE PARTITION				
OP-1	10 22 00	HUFCOR	SERIES 641 / FRISF TEXTURE, PARCHMENT	
PAINT				
P-1	09 90 00	SHERWIN WILLIAMS	SW 9542 NATURAL WHITE	EGGSHELL
P-2	09 90 00	SHERWIN WILLIAMS	SW 9542 NATURAL WHITE	SEMI-GLOSS
P-3	09 90 00	SHERWIN WILLIAMS	SW7069 IRON ORE	EXTERIOR BOARD AND BATTEN WALLS - EGGSHELL
RESILIENT FLOORING				
RF-1	09 65 20	NORA	NORAPLAN SENTICA / 6525 OCEAN MIST	610mm X 610mm X 3mm
RF-2	09 65 20	NORA	NORAPLAN SENTICA ED / 6520 SNOW DAY	610mm X 610mm X 3mm 3
SOLID SURFACE MATERIAL				
SSM1	12 36 61	CHEMTOPS	1" EPOXY RESIN / LUNAR WHITE	3/4" AT SPLASHES
SSM2		RICHLITE	STRATUM / BAMBOO BLACK DIAMOND	1" THICKNESS, LEATHERED FINISH
STANDING SEAM ROOF PANEL				
SS-1		METAL SALES	MAGNA-LOC / GALVALUME	METAL ROOF TRIM, FASCIA TRIM, GUTTERS, ETC TO MATCH FINISH
TILE				
T-1	09 30 00	CROSSVILLE	OWEN STONE SERIES / BUNNY	2" X 2" PORCELAIN FLOOR TILE, LEATHER FINISH; LATICRETE EPOXY GROUT 89 SMOKE GREY
T-2	09 30 00	DALTILE	ANNAPOLIS GLAZED CERAMIC TILE, 6" X 12" FLAT, MATTE / SAIL AP06	SCHLUTER COVE BASE; LATICRETE EPOXY GROUT 44 BRIGHT WHITE; SCHLUTER SSTL JOLLY AT TILE EDGE, SCHLUTER SSTL FINEC AT OUTSIDE CORNERS
T-3	09 30 00	CROSSVILLE	OWEN STONE SERIES / BUNNY	PORCELAIN FLOOR TILE, 8" X 48" & 6" X 36" PLANKS, LEATHER FINISH, RANDOM STAGGER JOINT; LATICRETE EPOXY GROUT 89 SMOKE GREY
WALL BASE				
B-1	09 65 10	-	-	4" RESILIENT WALL BASE, COLOR TO MATCH WALL
B-2	09 30 00	SCHLUTER	DILEX-EHK / STAINLESS STEEL	FLOOR-TO-WALL COVE BASE TRIM
B-3		-		1/2" X 5" WOOD BASE - PAINT TO MATCH WALL
WOOD PLANK				
WD-1	06 20 00	-	SAS / SATIN CLEAR POLYURETHANE FINISH AT INTERIOR, UV FINISH AT EXTERIOR	5/8 X 8 KILN DRIED VERTICAL GRAIN DOUGLAS FIR BOARDS WITH RABBET EDGE JOINT

DOOR SCHEDULE

NO.	Room Name	WIDTH	HEIGHT	THK.	TYPE	P.H.	HDWR GROUP	MAT'L	GLASS	FRAME TYPE	FRAME MAT'L	SIGNAGE	OPENING FIRE RATING	REMARKS
101A	HALL	3' - 6"	7' - 0"	1 3/4"	2	YES	1.1	ALUM	TEMP	B	ALUM	A, L		STOREFRONT DOOR; LOW ENERGY DOOR OPERATOR
101B	HALL	3' - 0"	7' - 0"	1 3/4"	2	YES	1.0	ALUM	TEMP	B	ALUM	L		STOREFRONT DOOR
102	OFFICE	3' - 0"	7' - 0"	1 3/4"	3 3		9.0	WD		B	ALUM	M		VERTICAL GRAIN DOUGLAS FIR VENEER WITH SATIN CLEAR FINISH
103	OFFICE	3' - 0"	7' - 0"	1 3/4"	3		9.0	WD		B	ALUM	M		VERTICAL GRAIN DOUGLAS FIR VENEER WITH SATIN CLEAR FINISH
104A	WINE LAB	3' - 0"	7' - 0"	1 3/4"	2	YES	4.0	ALUM	TEMP	B	ALUM	K, M		STOREFRONT DOOR
104B	WINE LAB	3' - 6"	7' - 0"	1 3/4"	2	YES	1.0	ALUM	TEMP	B	ALUM	L		STOREFRONT DOOR
105	WINE PREP	3' - 0"	7' - 0"	1 3/4"	3		11.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
106	CLOSET	3' - 0"	7' - 0"	1 3/4"	3		8.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
107	WOMEN	3' - 0"	7' - 0"	1 3/4"	3		13.0	WD		A	HM	B, E		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL; LOW ENERGY DOOR OPERATOR
108	MEN	3' - 0"	7' - 0"	1 3/4"	3		13.0	WD		A	HM	C, F		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL; LOW ENERGY DOOR OPERATOR
109	TOILET	3' - 0"	7' - 0"	1 3/4"	3		12.0	WD		A	HM	D, G		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
110	CUSTODIAL	3' - 0"	7' - 0"	1 3/4"	3		7.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
111	ELECTRICAL	3' - 0"	7' - 0"	1 3/4"	3	YES	5.0	WD		A	HM	H, M	90 MIN	PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
112	BDF	3' - 0"	7' - 0"	1 3/4"	3		7.0	WD	3	A	HM	M	45 MIN	PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
113A	SENSORY CLASSROOM	3' - 0"	7' - 0"	1 3/4"	4	YES	6.0	WD	TEMP	A	HM	K, M		VERTICAL GRAIN DOUGLAS FIR VENEER WITH SATIN CLEAR FINISH; CERAMIC COATED FIRE RESISTIVE GLAZING MEETING CPSC CAT II IMPACT SAFETY TEST
113B	SENSORY CLASSROOM	3' - 6"	7' - 0"	1 3/4"	2	YES	1.0	ALUM	TEMP	B	ALUM	L		STOREFRONT DOOR
114A	SENSORY PREP	3' - 0"	7' - 0"	1 3/4"	3		10.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
114B	SENSORY PREP	3' - 0"	7' - 0"	1 3/4"	3		10.0	WD		A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
114C	SENSORY PREP	3' - 0"	7' - 0"	1 3/4"	3		10.0	WD	3	A	HM	M		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
115A	SENSORY CLASSROOM	3' - 0"	7' - 0"	1 3/4"	4	YES	6.0	WD	TEMP	A	HM	K, M.		VERTICAL GRAIN DOUGLAS FIR VENEER WITH SATIN CLEAR FINISH; CERAMIC COATED FIRE RESISTIVE GLAZING MEETING CPSC CAT II IMPACT SAFETY TEST
115B	SENSORY CLASSROOM	3' - 6"	7' - 0"	1 3/4"	2	YES	1.0	ALUM	TEMP	B	ALUM	L		STOREFRONT DOOR
116A	HOSPITALITY	3' - 6"	7' - 0"	1 3/4"	2	YES	1.1	ALUM	TEMP	B	ALUM	A, L		STOREFRONT DOOR; LOW ENERGY DOOR OPERATOR
116B	HOSPITALITY	18' - 0"	9' - 0"		1		14.0	ALUM	TEMP	MFR	ALUM			SLIDING WALL SYSTEM
116C	HOSPITALITY	18' - 0"	9' - 0"		1		14.0	ALUM	TEMP	MFR	ALUM			SLIDING WALL SYSTEM 1
116D	HOSPITALITY	3' - 0"	7' - 0"	1 3/4"	3	YES	3.1	HM		A	HM	L		PAINT DOOR & FRAME CUSTOM COLOR TO MATCH BOARD & BATTEN AT EXTERIOR; INTERIOR CUSTOM COLOR TO MATCH WALL - EGGSHELL
117A	PREP	3' - 0"	7' - 0"	1 3/4"	3		3.0	HM		A	HM	K		PAINT DOOR & FRAME TO MATCH WALL - EGGSHELL
117B	PREP	3' - 6"	7' - 0"	1 3/4"	3		10.0	WD	4	A	HM	L		PAINT DOOR & FRAME CUSTOM COLOR TO MATCH RAINSCREEN AT EXTERIOR; INTERIOR TO MATCH WALL - EGGSHELL

DOOR SCHEDULE GENERAL NOTES

A. ALL DIMENSIONS ARE TO BE FIELD VERIFIED PRIOR TO FABRICATION, TYP.

B. ALL GLAZING TO BE TEMPERED SAFETY GLAZING PER ANSI Z97.1 OR CPSC 16CFR PART1201.

C. THRESHOLDS AT DOORS REQUIRED TO BE ACCESSIBLE SHALL BE IN CONFORMANCE WITH CBC SEC 11B-404.2.5. THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/4" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL (50% SLOPE). CHANGE IN LEVEL GREATER THAN 1/2" SHALL BE ACCOMPLISHED BY MEANS OF A RAMP.

D. MAXIMUM CLOSER-EFFORT: 5 lbs. EXTERIOR DOORS AND INTERIOR DOORS. THE AUTHORITY HAVING JURISDICTION MAY INCREASE THE MAXIMUM EFFORT TO OPERATE FIRE DOORS TO ACHIEVE POSITIVE LATCHING, BUT NOT TO EXCEED 15 lbs MAXIMUM.

E. DOOR CLOSERS TO COMPLY WITH CBC 11B-404.2.8.1, CLOSER DELAY TIME; 5 SECONDS TO CLOSE FROM AN OPEN POSITION OF 90 DEGREES TO WITHIN 12 DEGREES OF THE LATCH.

F. WHERE FLUSH BOLTS OCCUR IN THE ACCESSIBLE PATH OF TRAVEL PROVIDE ACCESSIBLE AUTOMATIC FLUSH BOLT.

G. FLOOR MOUNTED DOOR STOPS TO BE INSTALLED AT A MAXIMUM OF FOUR INCHES FROM THE FACE OF WALL OR PARTITION.

H. CONCEAL ALL POWER, CONTROL AND SECURITY CONNECTIONS IN WALLS, CEILINGS, STOREFRONT SYSTEM, CURTAIN WALL SYSTEM OR DOOR FRAMES; EXPOSED CONDUITS OR CONDUCTORS WILL NOT BE ACCEPTED.

I. SIGNAGE TO BE PER DETAIL **8/A-511** & **20/A-511**

J. FOR TYPICAL CONDITIONS AT OPENINGS SEE SHT A-541.

K. FOR TYPICAL CLEARANCES AT DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE, SEE **2/A-511**

L. DOOR SHALL BE OPERABLE FROM INSIDE WITHOUT THE USE OF ANY TOOLS, EFFORT, OR SPECIAL KNOWLEDGE.

5/24/2024 8:33:00 AM

AGENCY APPROVAL STAMP:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/20/2024

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

CONSULTANT:

STAMP:

LICENSED ARCHITECT
EARL SERDAN
C-32570
REN:12/31/25
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
1	3/6/24	ADDENDUM 1
2	4/8/24	ADDENDUM 2
3	4/18/24	ADDENDUM 3

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

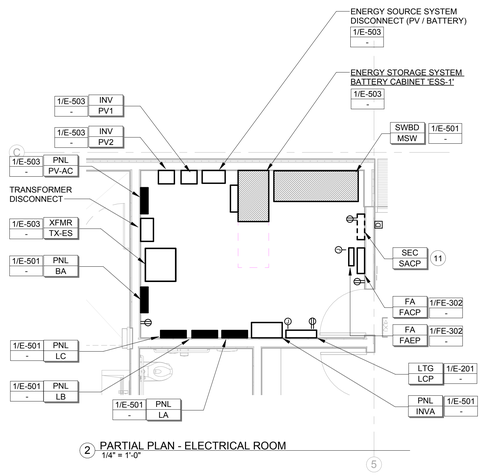
DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

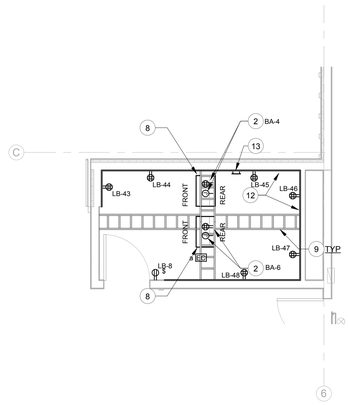
DATE:
04/12/2023

ROOM FINISH SCHEDULE, DOOR SCHEDULE, DOOR TYPES & STOREFRONT/CURTAIN WALL TYPES

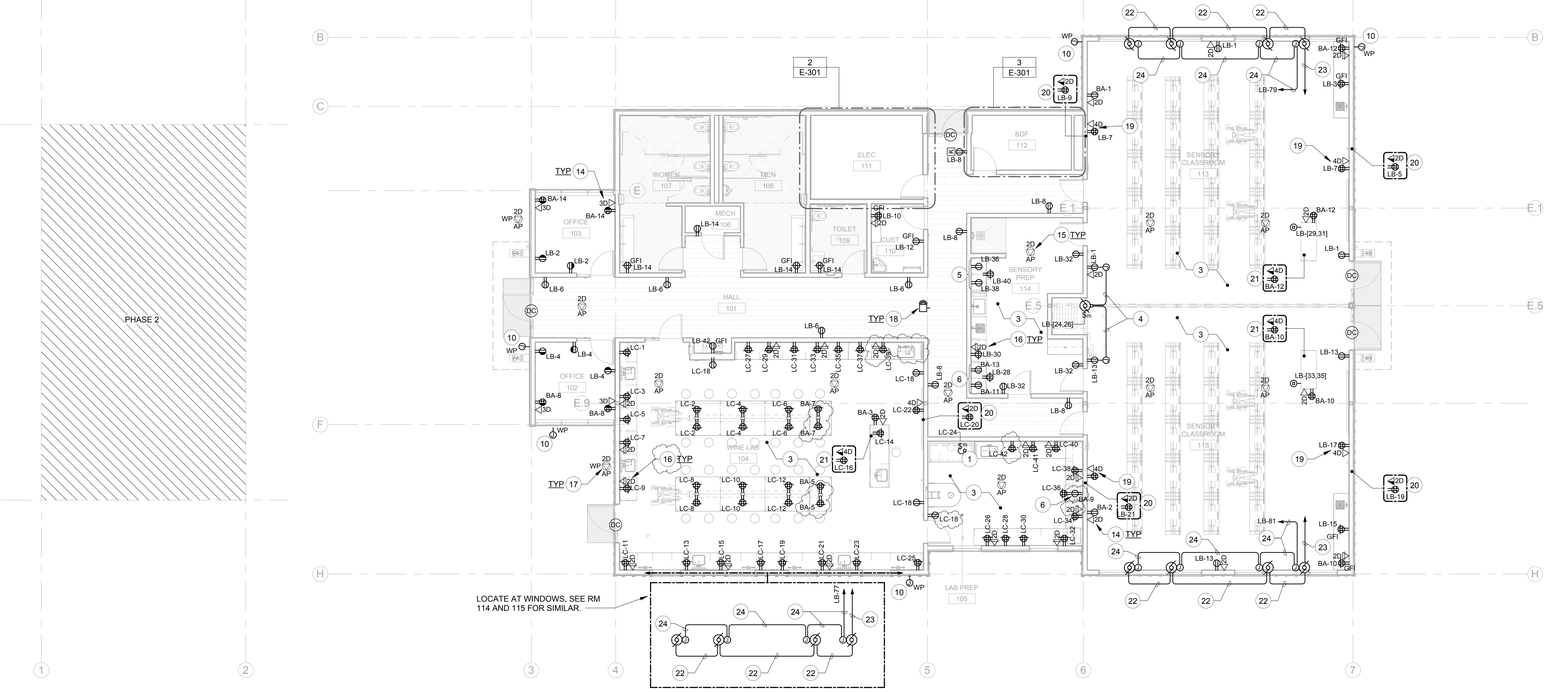
A-601



2 PARTIAL PLAN - ELECTRICAL ROOM
1/4" = 1'-0"



3 PARTIAL PLAN - BDF ROOM
1/4" = 1'-0"



1 FLOOR PLAN - POWER & SIGNAL - PHASE 1
1/8" = 1'-0"

NUMBERED SHEET NOTES

1. CONNECT COMPLETE TO FUME HOOD INTEGRAL RECEPTACLE AND LIGHTING CIRCUITS. SEE MECH/PLUM EQPT CONNECTION PLAN FOR EXHAUST FAN CONNECTIONS.
2. PROVIDE DEDICATED QUAD RECEPTACLE AND J-BOX WITH #2AWG G. TO NEAREST BUILDING ELECTRODE. LOCATE EQUIPMENT WITHIN IDF CABINET (OR RACK).
3. ALL POWER RECEPTACLES IN THIS ROOM SHALL BE GFI TYPE.
4. CONNECT COMPLETE TO PARTITION MOTOR ASSEMBLY. ALSO PROVIDE AND INSTALL 3/4" RACEWAY FOR CONTROL WIRING.
5. DISHWASHER RECEPTACLE(S) - CONNECT COMPLETE. COORDINATE WITH VENDOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
6. UNDERCOUNTER REFRIGERATOR RECEPTACLE(S) - CONNECT COMPLETE. COORDINATE WITH VENDOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
7. NOT USED.
8. PROVIDE AND INSTALL 19"W X 7' HIGH TELECOM RACK (CPI 46353-703) WITH 4" VERTICAL CABLE MANAGERS (CPI 12096-704) ON BOTH SIDES OF EACH RACK. SEE DETAILS 8 & 9 / E-702.
9. PROVIDE AND INSTALL 12" WIDE LADDER RACK (CPI 10250-712) AT 7'-6" A.F.F. SEE DETAILS 7 & 10 / E-702.
10. PROVIDE AND INSTALL J-BOX WITH 1" C.O. HOMERUN TO BDF ROOM, FOR POE SECURITY SYSTEM CAMERA. EXACT HEIGHT TO BE VERIFIED WITH DISTRICT VENDOR PRIOR TO ROUGH-IN. DESIGN MOUNTING HEIGHT IS 12'-0" A.F.F.
11. PROVIDE AND INSTALL SECURITY SYSTEM RACEWAY COMPLETE FROM EACH DEVICE SHOWN TO SECURITY PANEL AT ELECTRICAL ROOM; U.O.N., PANEL, DEVICES, AND WIRING SHALL BE BY CAMPUS VENDOR.
12. PROVIDE AND INSTALL 4 FOOT WIDE BY 8 FOOT HIGH BY THREE-QUARTER INCH FIRE RATED PLYWOOD AT 6 INCHES A. F. F. PAINT PLYWOOD. SEE DETAIL 4/E7.02.
13. GROUND BUS BAR. GROUND LADDER RACK AND EQUIPMENT RACKS PER RACK MANUFACTURER'S REQUIREMENTS. SEE ELECTRICAL DRAWINGS.
14. PROVIDE AND INSTALL STANDARD OUTLET WITH CAT 6A CABLE/JACKS THAT 18 INCHES AFF. NUMBER REPRESENTS NUMBER OF CAT6A CABLE/JACKS.
15. PROVIDE AND INSTALL (TWO) CAT 6A CABLES COMPLETE WITH JACKS AND WIRELESS ACCESS POINTS (WAP). TERMINATE CABLE AND JACK IN BOX IN CEILING AREA.
16. PROVIDE AND INSTALL STANDARD OUTLET WITH SIX A CABLE/JACKS ABOVE COUNTER ADJACENT TO POWER RECEPTACLE. NUMBER REPRESENTS NUMBER OF CAT SIX A CABLE/JACKS.
17. PROVIDE AND INSTALL (2) CAT SIX A CABLES COMPLETE WITH JACKS AND WIRELESS ACCESS POINTS (WAP) IN WEATHERPROOF OBERON BOX AT 120 INCHES A.F.F. ON BUILDING EXTERIOR WERE SHOWN.
18. CELL PHONE EXTENDERS TO PROVIDE SIGNAL COVERAGE THROUGHOUT BUILDING FOR 3G, 4G, AND 5G. TYPICAL THROUGHOUT BUILDING. LOCATED ABOVE CORRIDOR CEILING; U.O.N.
19. LOCATE ADJACENT AV DEVICE (AV DEVICE BOX BY AV CONTRACTOR) AT 18" A.F.F. TO TOP OF BOX. CONTRACTOR SHALL FULLY COORDINATE LOCATIONS WITH AV ROUGH-IN SCOPE OF WORK, SEE AV 'TA' SERIES PLANS.
20. LOCATE IN BOX (BOX BY AV CONTRACTOR) BEHIND DISPLAY. CONTRACTOR SHALL FULLY COORDINATE LOCATIONS WITH AV ROUGH-IN SCOPE OF WORK, SEE AV 'TA' SERIES PLANS.
21. LOCATE IN BOX (BOX BY AV CONTRACTOR) WITHIN TEACHING CABINET. CONTRACTOR SHALL FULLY COORDINATE LOCATIONS WITH AV ROUGH-IN SCOPE OF WORK, SEE AV 'TA' SERIES PLANS.
22. PROVIDE AND INSTALL 1/2" RACEWAY FOR LOW VOLTAGE SHADE CABLING. CABLING BY VENDOR. COORDINATE WITH VENDOR SHOP DRAWINGS PRIOR TO ROUGH-IN. INSTALLATION SHALL BE CONCEALED THROUGH-OUT.
23. CONTINUE LOW VOLTAGE RACEWAY HOMERUN TO WALL CONTROL LOCATION AT TEACHERS DESK. SEE LIGHTING PLANS.
24. PROVIDE AND INSTALL 120V BRANCH CIRCUIT FOR MOTORIZED SHADE SYSTEM. (2) #12 + (1) #12G. IN 3/4" C.. COORDINATE WITH VENDOR SHOP DRAWINGS PRIOR TO ROUGH-IN. INSTALLATION SHALL BE CONCEALED THROUGH-OUT.

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 06/20/2024

AGENCY APPROVAL STAMP

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

CONSULTANT:

O'MAHONY & MYER
ELECTRICAL ENGINEERING & LIGHTING DESIGN
4340 REDWOOD HWY., SUITE 245
SAN RAFAEL, CALIFORNIA 94903
(415) 492-0420/FAX (415) 479-9662

STAMP:

PROFESSIONAL ENGINEER — PETER J. COLEMAN — No.E14738 — Exp. 6/25 — ELECTRICAL — STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
1	05/29/24	LAB REVISIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
AUGUST 30, 2023

FLOOR PLAN POWER & SIGNAL - PHASE 1

E-301

DSA **140**

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval.This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes ☐ No ☐)

Deferred Submittal ☐	Addendum Number:	Revision Number:	CCD Number: 02	Category A ☑ or B ☐

2. PROJECT INFORMATION:

School District/Owner: Napa Valley Community College	DSA File Number: 28 C1
Project Name/School: Wine Education Center	DSA Application Number 01 120890

3. APPLICANT INFORMATION:

Date Submitted: 09/04/24	Attached Pages? No ☐ Yes ☑ Number of pages? 6		
Firm Name: TLCD Architecture	Contact Name: Carl Servais		
Work Email: carl.servais@tlcd.com	Work Phone: (707) 535-5279		
Firm Address: 520 Third Street, #250	City: Santa Rosa	State: CA	Zip Code: 95401

4. REASON FOR SUBMITTAL: (Check applicable boxes)

☐ For revision or addendum prior to construction.

☑ For a project currently under construction.

☐ For a project that has a form *DSA 301-N: Notification of Requirement for Certification*, *DSA 301-P: Posted Notification of Requirement for Certification* or a 90-Day Letter issued.

☐ To obtain DSA approval of an existing uncertified building or buildings.

☐ For Category B CCD this is: ☐ a voluntary submittal, ☐ a DSA required submittal (attach DSA notice requiring submission).

5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:

Name of the Design Professional In General Responsible Charge: Carl Servais

Professional License Number: C32941	Discipline: Architect

Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.

Signature: Carl Servais

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:

For addenda, revisions, or CCDs: CHECK THIS BOX ☑ to confirm that *all* post-approval documents have been stamped and signed by the Responsible Design Professional listed on form *DSA 1: Application for Approval of Plans and Specifications* for this project. (For *Deferred Submittals*, refer to *IR A-18: Use of Construction Documents Prepared by Other Professionals,* and *IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents*, when applicable, for signature and seal requirements.)

Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed):

Substitute HY-TEK fasteners in liue of 8d, 10d & 16d nailes for framing, diaphragm nailing and shear wall nailing per SEM 02 prepared by the SEOR.

List of DSA-approved drawings affected by this post-approval document:

S-001, S-102, S-103, S-201, S-203, S-204, S-602, S-602, Specification 061000 Rough Carpentry

DSA USE ONLY

SSS SA Date 9/11/24 ☐Approved ☐Disapproved ☐Not Required

Comments:

FLS Date ☐Approved ☐Disapproved ☑Not Required

Comments:

ACS Date ☐Approved ☐Disapproved ☑Not Required

Comments:

Returned	DSA STAMP
Date:	APPROVED DIV. OF THE STATE ARCHITECT APP: 01-120890 INC: REVIEWED FOR SS ☑ FLS ☐ ACS ☐ DATE: 09/11/2024
By:	

ZFA STRUCTURAL ENGINEERS
1303 jefferson street | suite 400a | napa ca 94559 | 707.492.3452 | zfa.com

STRUCTURAL ENGINEER MEMO

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☐ ACS ☐
DATE: 09/11/2024

To:	Dennis Kennedy
Company Name:	**TLCD ARCHITECTURE**
From:	Nicole Go, Designer & Chris Meade, Senior Associate SE
Date:	September 4, 2024
Project:	NVC Wine Education Center Permit/DSA Application #01-120890 Building Dept/DSA File #28-C1 ZFA #22072
Regarding:	Nail Substitution

Pending DSA approval,

The contractor would like to substitute 8d, 10d, & 16d nails as specified in the rough carpentry specifications for framing, diaphragm nailing, and shear walls nailing with HY-TEK fasteners. Per the ESR reports, HY-TEK fasteners have the same nailing capacities and shear stiffness for blocked diaphragms and shear walls as 8d & 10d nails, therefore, it is structurally acceptable to substitute with HY-TEK fasteners. See attached calculations.

TLCD Architecture
520 Third Street #250
Santa Rosa, California 95401
P: (707) 525-5600

Project: 21062.00 NVC Wine Education Center
2277 Napa-Vallejo Hwy
Napa, California 94558

Submittal #190.0 - Nail Substitution
06 10 00 - ROUGH CARPENTRY

Revision	0	**Submittal Manager**	Aimee McArthur (TLCD Architecture)
Status	Open	**Date Created**	Aug 27, 2024
Issue Date	Aug 27, 2024	**Spec Section**	06 10 00 - ROUGH CARPENTRY
Responsible Contractor	Midstate Construction	**Received From**	Garrett Hull (Midstate Construction)
Received Date	Aug 27, 2024	**Submit By**	
Final Due Date		**Lead Time**	
		Cost Code	
Location		**Type**	Product Information
Approvers			
Ball in Court	Aimee McArthur (TLCD Architecture)		
Distribution	Dennis Kennedy (TLCD Architecture), Garrett Hull (Midstate Construction), James Evans (Midstate Construction), Jay Leininger (Kurt Hirtzer Inspection Services), John Mota (Midstate Construction), Ken Burroughs (Kitchell CEM), Mickale McChristian (Midstate Construction), Samantha Maddox (Napa Valley Community College District)		
Description	Please see the attached submittal for your review and response.		

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					

Midstate Construction
1180 Holm Road #A
Petaluma, California 94954
P: (707) 762-3200
F: (707) 762-0700

Project: 24041 Napa Valley College Wine Education Center
Napa, California

Submittal #190.0 - Nail Substitution
06 10 00 - Rough Carpentry

Revision	0	**Submittal Manager**	John Mota (Midstate Construction)
Status	Submitted	**Date Created**	Aug 27, 2024
Issue Date	Aug 27, 2024	**Spec Section**	06 10 00 - Rough Carpentry
Responsible Contractor	Globe Con One	**Received From**	Mitch Mueck (Globe Con One)
Received Date	Aug 23, 2024	**Submit By**	
Final Due Date	Sep 10, 2024	**Lead Time**	
		Cost Code	
Location		**Type**	Product Data

Add'l Specifications

Approvers Dennis Kennedy (TLCD Architecture)

Ball in Court Dennis Kennedy (TLCD Architecture)

Distribution Garrett Hull (Midstate Construction), James Evans (Midstate Construction), Wesley Barry II (Midstate Construction)

Description Please see the attached submittal for your review and response. Uploaded to TLCD August 27, 2024.

ADDITIONAL FIELDS

Submittal Category

Priority

Submittal Workflow

Name	Sent Date	Due Date	Returned Date	Response	Attachments
General Information Attachments					
Dennis Kennedy		Sep 10, 2024		Pending	

SUBSTITUTION REQUEST No. ___
(After the Bid Date)

Project: Napa Valley College Wine Education Center
2277 Napa Vallejo Hwy, Napa, CA 94558

From: Globe Con One

Date: 08/22/24

To: TLCD Architecture

Arch Project No.: 21062.00

Re: Fasteners (Nails)

Contract For: Rough Carpentry

Specification Title:

Description:

Section: 061000 - Rough Carpentry Page: 6 - 7 Article/Paragraph: 2.5
FASTENERS AND ACCESSORIES

Proposed Substitution:

Manufacturer: Hy-Tek Fasteners

Trade Name: Hy-Tek Nail

Address: Livermore, Ca. 94551

Model No.:

Phone: (925) 249-8809

Installer: Globe Con One

Address: 10361 Moorpark St. Spring Valley, CA 91978

Phone: 916-956-5733

History: ☐ New Product ☐ 2-5 yrs old ☐ 5-10 yrs old ☒ > 10 yrs old

Differences between proposed substitution and specified product:

The HyTek product provides the same or better specifications but has a smaller diameter, screw shank and a blunt tip.

☒ Point-by-point comparative data attached – **REQUIRED BY ARCHITECT** **...See Below Diagram**

Reason for not providing specified item:

The Hy-Tek Nail reduces the potential for splitting the dry lumber and damage to plywood at edge nailing.

Similar Installation:

Project: No Similar Installation

Owner:

Address:

Contact/Phone:

Date Installed:

Architect:

Contact/Phone:

Proposed substitution affects other parts of Work: ☒ No ☐ Yes; explain

Savings to Owner if substitution is accepted: Unknown ($).

Changes to Contract Time if substitution is accepted: ☒ No ☐ Yes [Add] [Deduct] days.

Supporting Data Attached:

☐ Drawings ☐ Product Data ☐ Samples ☐ Tests ☒ Reports ☐ Other

Note: Substitution request applies ONLY to the specified plan page / condition.

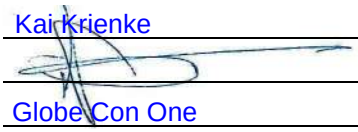
Framing @ S-102	Framing @ S-102	Roof @ S-001	Shear Wall @ S-001	Sole Plate @ S-001
16d 3-1/2"x0.162 Common **For 2x**	20d 4"x0.192 Common **For 3x**	10d 3"x0.148 Common **For 5/8"**	10d 3"x0.148 Common **For 1/2"**	16d 3-1/2"x0.162 Common **For 2x**
141 (2015 NDS)	170 (2015 NDS)	Table#4.2A or 4.2C (SDPWS 2015)	Table#4.3A (SDPWS 2015)	141 (2015 NDS)
Hy-Tek 3"x0.148	**Hy-Tek 4"x0.148**	**Hy-Tek 2-1/4"x0.120M**	**Hy-Tek 2-1/4"x0.120M**	**Hy-Tek 3-1/2"x0.148**
14830	**14840**	**120M22**	**120M22**	**14830**
180	**180**	**Table#6 or 8**	**Table#9**	**180**

SUBSTITUTION REQUEST NO.: ____ (Continued)

The Undersigned certifies that:

1. Proposed substitution has been fully investigated and determined to be equal or superior in all respects to the specified product.
2. Same warranty will be furnished for proposed substitution as for specified product.
3. Same maintenance service and source of replacement parts, if applicable, is available.
4. Proposed substitution will have no effect on other trades and will not affect or delay progress schedule.
5. Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
6. Proposed substitution does not affect dimensions, utility size or connections, structural supports and anchorage, seismic bracing, or functional clearances.
7. Payment will be made for changes to building design, including Architectural design, calculations, drawings, obtaining agency approvals, testing and inspection costs, and construction costs caused by the substitution.
8. Coordination, installation and changes to the Work as necessary for acceptance will be complete in all respects.

Submitted by: Kai Krienke

Signed by: 

Firm: Globe Con One

Address: 10361 Moorpark St. Spring Valley, CA 91978

Phone: 916-956-5733

Attachments (list):

14 page Hy-Tek Submittal: 1pg - point-by-point summary

13pg - ICC-ES Evaluation Report ESR-2648

ARCHITECT'S REVIEW AND ACTION

- ☐ Substitution accepted – Make submittals in accordance with Specification Section 01 3300.
- ☐ Substitution accepted as noted – Make submittals in accordance with Specification Section 01 33 00.
- ☐ Substitution rejected – Use specified materials.
- ☐ Substitution Request received too late – Use specified materials.

Signed by: _____ Date: _____

Additional Comments By:

☐ Contractor ☐ Subcontractor ☐ Supplier ☐ Manufacturer ☐ Architect ☐ Other

Livermore, Ca. 94551
Cell: 925.249.8809
Cesar@HyTekFasteners.com

Submittal#1

DSA File#28-C1 **DSA Application No. 01-120890**

Project Name: **Napa Valley College Wine Education @ Napa, Ca 94558**
2277 Napa Vallejo Hwy

Architect: **TLCD Architecture Job#21062.00 – Carl Servais**

Engineer: **ZFA Structural Engineers Job#2202– Chris Warner**
707.526.0992

Framing Company: **Globe Con One – Kai Krienke**

To:	**Kai Krienke**	**From:**	Cesar Morales
Email:	kkrienke@gmail.com	**Pages:**	14
Phone:	916.956.5733	**Date:**	**August 14, 2024**

We are requesting approval for Hy-Tek nail use for WOOD to WOOD, Diaphragms and Shear wall Application ONLY:

Specification 2018 IBC Table#2304.10.1			**Hy-Tek Nail Alternative ESR-2648**		
Framing @ S-102	16d 3-1/2"x0.162 Common **For 2x**	141 (2015 NDS)	**Hy-Tek 3"x0.148**	**14830**	**180**
	20d 4"x0.192 Common **For 3x**	170 (2015 NDS)	**Hy-Tek 4"x0.148**	**14840**	**180**
Roof @ S-001	10d 3"x0.148 Common **For 5/8"**	Table#4.2A or 4.2C (SDPWS 2015)	**Hy-Tek 2-1/4"x0.120M**	**120M22**	**Table#6 or 8**
Shear Wall @ S-001	10d 3"x0.148 Common **For 1/2"**	Table#4.3A (SDPWS 2015)	**Hy-Tek 2-1/4"x0.120M**	**120M22**	**Table#9**
Sole Plate @ S-001	16d 3-1/2"x0.162 Common **For 2x**	141 (2015 NDS)	**Hy-Tek 3-1/2"x0.148**	**14830**	**180**

Special Note:

1. Fasteners for **Preservative-Treated Wood** and **Fire-Retardant-Treated Wood** shall be in accordance with Section 2304.10.5.1 through 2304.10.5.4 of the 2018 IBC.

DSA **140**

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval.This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes ☑ No ☐)

Deferred Submittal ☐	Addendum Number:	Revision Number:	CCD Number: 015	Category A ☑ or B ☐

2. PROJECT INFORMATION:

School District/Owner: Napa Valley Community College	DSA File Number: 28 C1
Project Name/School: Wine Education Center	DSA Application Number 01 120890

3. APPLICANT INFORMATION:

Date Submitted: 01/31/25	Attached Pages? No ☐ Yes ☑ Number of pages? 17		
Firm Name: TLCD Architecture	Contact Name: Carl Servais		
Work Email: carl.servais@tlcd.com	Work Phone: (707) 535-5279		
Firm Address: 520 Third Street, #250	City: Santa Rosa	State: CA	Zip Code: 95401

4. REASON FOR SUBMITTAL: (Check applicable boxes)

☐ For revision or addendum prior to construction.	☑ For a project currently under construction.

☐ For a project that has a form *DSA 301-N: Notification of Requirement for Certification*, *DSA 301-P: Posted Notification of Requirement for Certification* or a 90-Day Letter issued.

☐ To obtain DSA approval of an existing uncertified building or buildings.

☐ For Category B CCD this is: ☐ a voluntary submittal, ☐ a DSA required submittal (attach DSA notice requiring submission).

5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:

Name of the Design Professional In General Responsible Charge: Carl Servais

Professional License Number: C32941	Discipline: Architect

Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.

Signature: Carl Servais

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:

For addenda, revisions, or CCDs: CHECK THIS BOX ☑ to confirm that *all* post-approval documents have been stamped and signed by the Responsible Design Professional listed on form *DSA 1: Application for Approval of Plans and Specifications* for this project. (For *Deferred Submittals*, refer to *IR A-18: Use of Construction Documents Prepared by Other Professionals,* and *IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents*, when applicable, for signature and seal requirements.)

Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed):

Contractor requests changes to DSA approved details to the GFRC rain screen attachment to structural members. Contractor requests using slotted horizontal hat channels and vertical zees, in lieu of horizontal girts, to allow for 1" drainage cavity in the rain screen assembly. Drawing SKA-017 with revised details added; drawing A-201 exterior elevations updated; specification for a fluid applied weather barrier added.

List of DSA-approved drawings affected by this post-approval document:

A-201, A-521, A-522, A-523, A-541; Add specification Section 072500.D, updated Table of Contents

DSA USE ONLY

SSS_____ Date_____ ☐Approved ☐Disapproved ☐Not Required

Comments:_____

FLS_____ Date_____ ☐Approved ☐Disapproved ☐Not Required

Comments:_____

ACS_____ Date_____ ☐Approved ☐Disapproved ☐Not Required

Comments:_____

Returned	DSA STAMP
Date:	APPROVED DIV. OF THE STATE ARCHITECT APP: 01-120890 INC: REVIEWED FOR SS ☑ FLS ☑ ACS ☑ DATE: 02/04/2025
By:	

ZFA STRUCTURAL ENGINEERS
1303 jefferson street | suite 400a | napa ca 94559 | 707.492.3452 | zfa.com

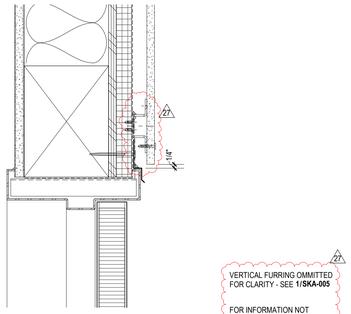
STRUCTURAL ENGINEER MEMO

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/04/2025

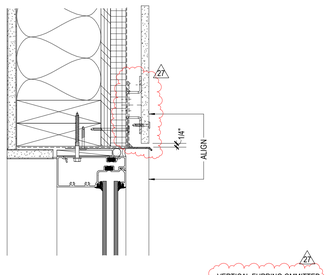
To:	Dennis Kennedy
Company Name:	**TLCD ARCHITECTURE**
From:	Nicole Go, Designer & Chris Meade, Senior Associate
Date:	January 8, 2025
Project:	NVC Wine Education Center Permit/DSA Application #01-120890 Building Dept/DSA File #28-C1 ZFA #22072
Regarding:	GFCR Rainscreen Attachment Changes

Pending DSA approval,

Changes to the DSA approved details for the GFCR rainscreen attachment to the structural members. At contractor's request, in lieu of horizontal girts, slotted horizontal hat channels with vertical zees will be used. The horizontal hat channels will be supported by vertical zees spaced at 32”oc, which will attach to studs. See the attached calculations for checking the adequacy of the horizontal hat channels, vertical zees, and screw attachments.



17 TYP EXTERIOR DOOR HEAD @ GFRC - PH 2
3" = 1'-0"



13 STOREFRONT HEAD @ GFRC
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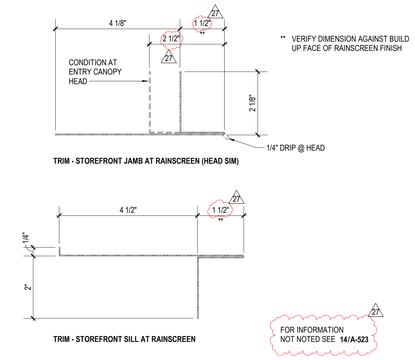
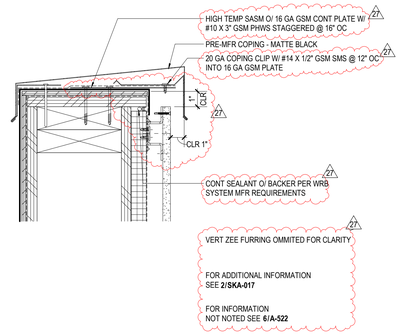


9 METAL OPENING TRIM PROFILES @ 1" VENTING
6" = 1'-0"



5 COPING AT GFRC RAINSCREEN @ 1" VENTING
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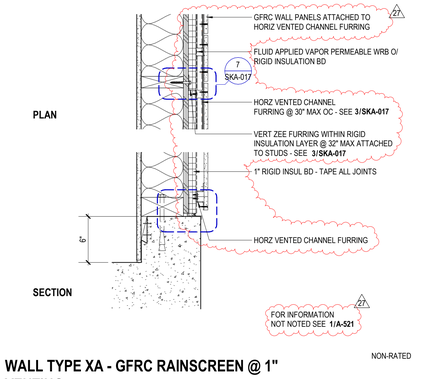
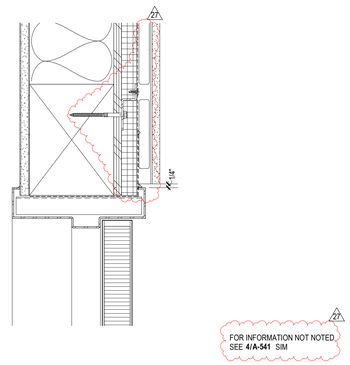


1 WALL TYPE XA - GFRC RAINSCREEN @ 1" VENTING
1 1/2" = 1'-0"

NON-RATED



18 TYP EXTERIOR DOOR JAMB @ GFRC - PH 2
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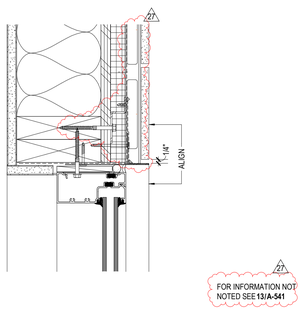

14 STOREFRONT JAMB @ GFRC
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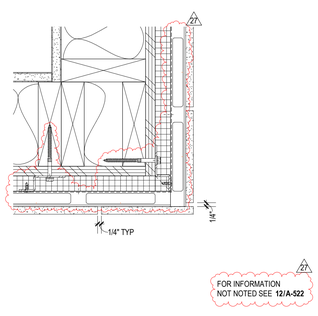
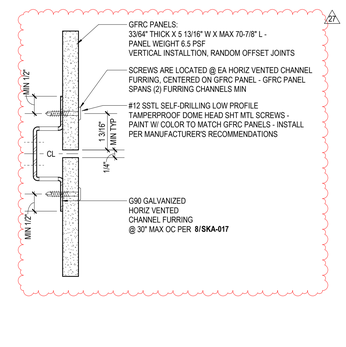
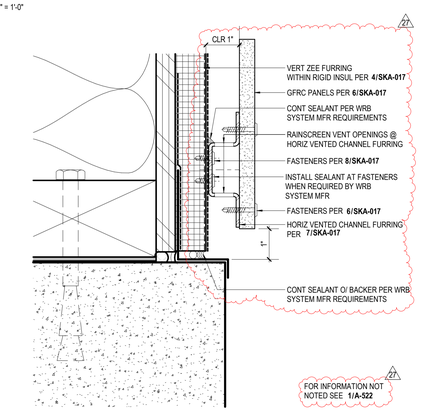


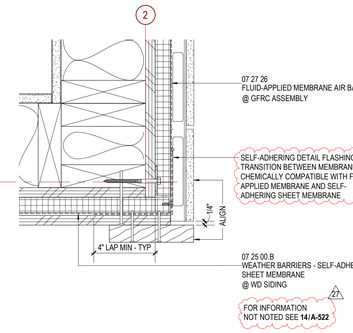
10 GFRC @ OUTSIDE CORNER
3" = 1'-0"



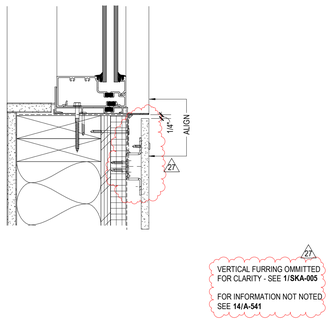
6 GFRC ATTACHMENT TO FURRING
6" = 1'-0"



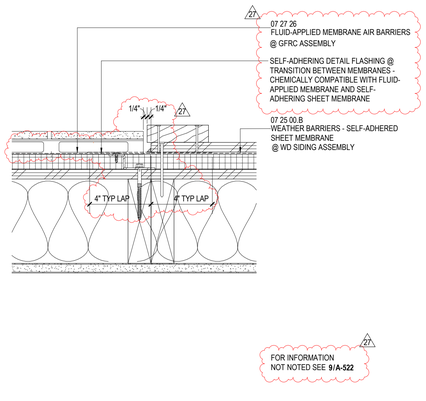
2 BASE AT WALL TYPE XA @ 1" VENTING
6" = 1'-0"



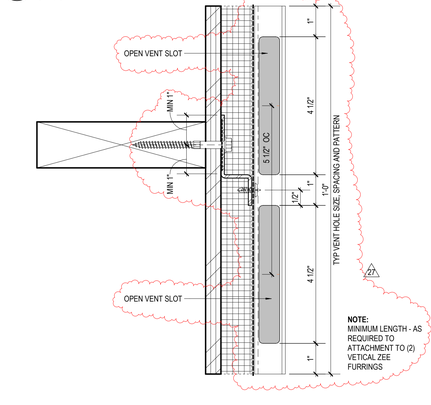
19 OUTSIDE CORNER - WD SIDING @ GFRC - PH 2
3" = 1'-0"



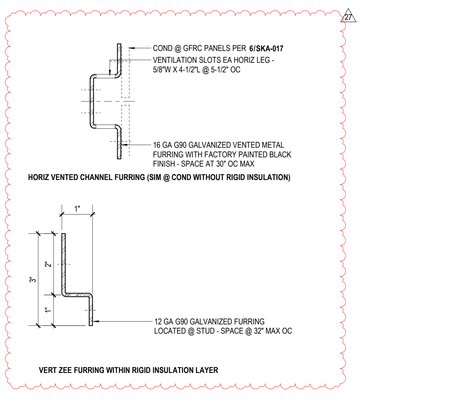
15 STOREFRONT SILL @ GRFC
3" = 1'-0"



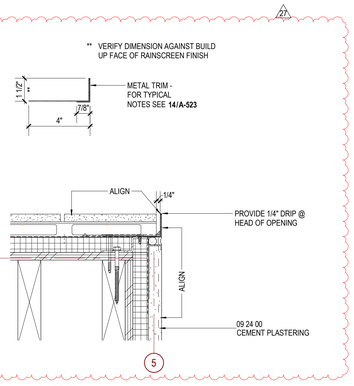
11 GFRC AT BATTEN SIDING TRANSITION
3" = 1'-0"



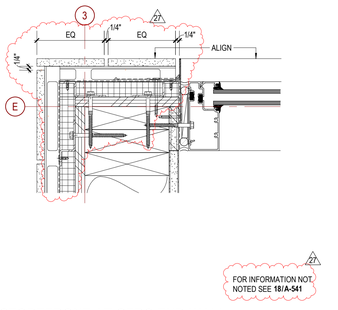
7 HORIZ VENTED CHANNEL FURRING - PLAN
6" = 1'-0"



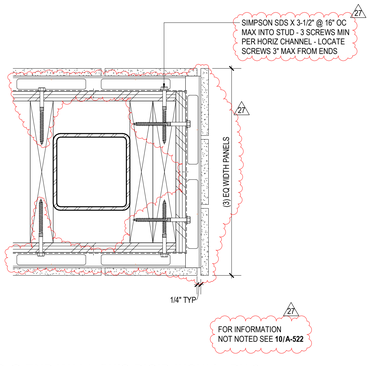
3 RAINSCREEN FURRING @ 1 " VENTING
6" = 1'-0"



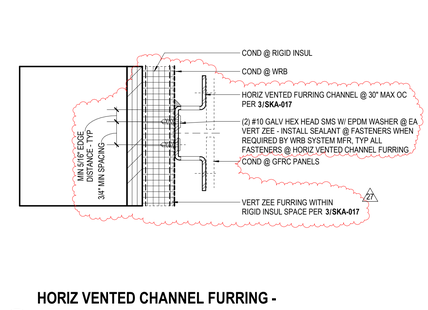
20 GFRC @ CEM PLAS
3" = 1'-0"



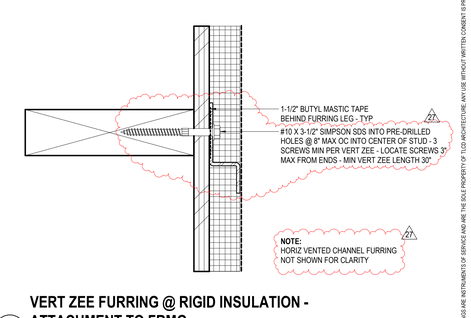
16 STOREFRONT AT GFRC END WALL
3" = 1'-0"



12 GRFC @ END WALL (W/O RIGID INSUL) - PH 2
3" = 1'-0"



8 HORIZ VENTED CHANNEL FURRING - ATTACHMENT TO VERT ZEE
6" = 1'-0"



4 VERT ZEE FURRING @ RIGID INSULATION - ATTACHMENT TO FRMG
6" = 1'-0"

1/26/2025 3:53:50 PM

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/04/2025

AGENCY APPROVAL STAMP

TLCD ARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

CONSULTANT:

STAMP:

LICENSED ARCHITECT
CARL BERTOIA
C-32567
REN:12/31/25
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
27	1/14/25	CCD 015 GFRC ATTACHMENT CHANGES

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

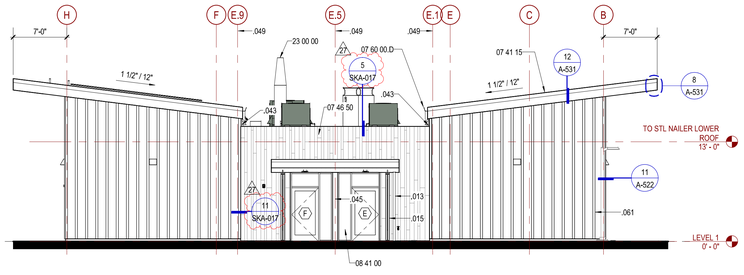
TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

27
GFRC WALL ASSEMBLY CHANGES

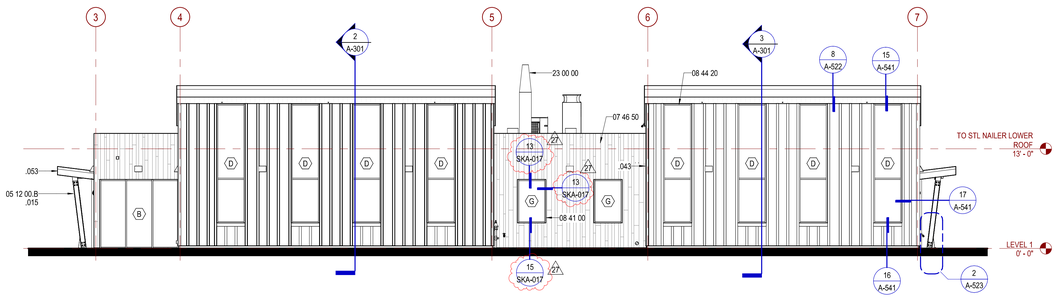
REFERENCE DRAWINGS:
A-521, A-522, A-523, A-541

SKA-017



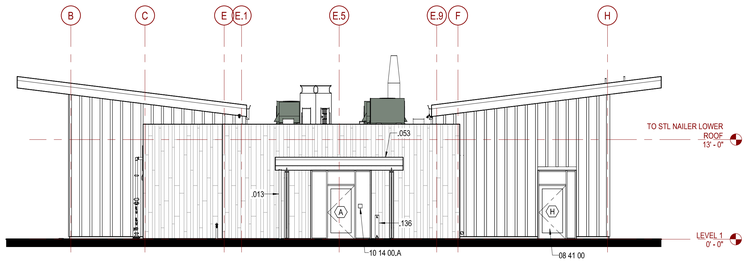
1 NORTH ELEVATION - PHASE 1

1/8" = 1'-0"



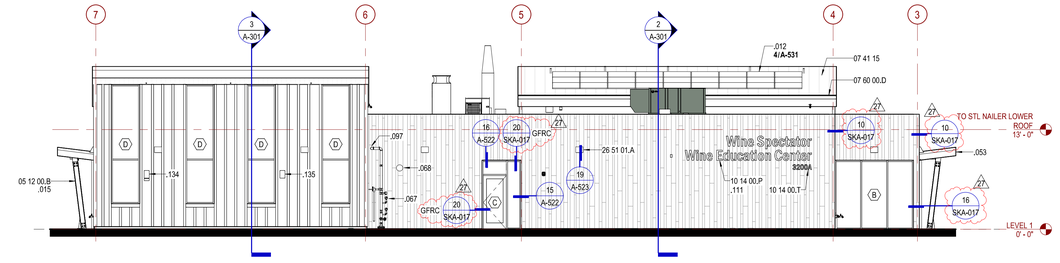
2 EAST ELEVATION - PHASE 1

1/8" = 1'-0"



3 SOUTH ELEVATION - PHASE 1

1/8" = 1'-0"



4 WEST ELEVATION - PHASE 1

1/8" = 1'-0"

REFERENCE KEYNOTE

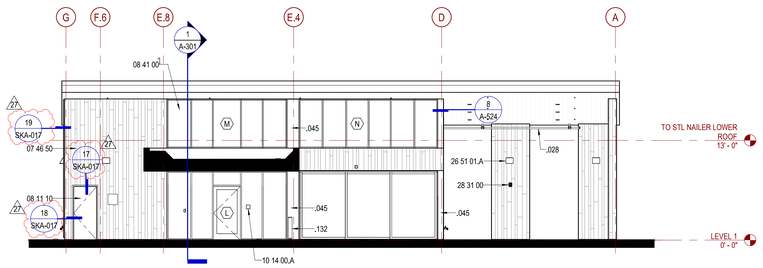
05 12 00.B	STRUCTURAL STEEL FRAMING - CHANNEL SHAPE, SSD
05 12 00.E	STRUCTURAL STEEL FRAMING -WIDE FLANGE SHAPE, SSD
07 41 15	MANUFACTURED STANDING SEAM ROOFING
07 46 50	GFRC FACADE SYSTEM - REIDER OKO SKIN STRIPES
07 60 00.D	FLASHING AND SHEET METAL - GUTTERS & DOWNSPOUTS
07 95 00	EXPANSION JOINT COVER ASSEMBLIES
08 11 10	HOLLOW METAL DOORS AND FRAMES
08 41 00	ENTRANCES AND STOREFRONTS
08 44 20	GLAZED CURTAIN WALL SYSTEMS
10 14 00.A	SIGNAGE - ISA, SEE 20A/A-511
10 14 00.P	DIMENSIONAL LETTER SIGNAGE - 16"
10 14 00.T	DIMENSIONAL LETTER SIGNAGE - 8"
23 00 00	HEATING, VENTILATION AND AIR CONDITIONING (HVAC) EQUIPMENT, SMD
26 51 01.A	LIGHTING FIXTURE (TYP), SED
28 31 00	FIRE DETECTION AND ALARM, SFED

DRAWING NOTES

.012	SOLAR PANEL FIELD AREA (48 PANELS TOTAL), SED FOR ASSOCIATED WORK. "ACECLAMP" A2 NON-PENETRATING SOLAR MOUNTING CLAMPS WITH SOLAR-SNAP SOLAR RACKING SYSTEM. A2 CLAMP AT EACH ROOF SEAM (16" OC). SED FOR ADDITIONAL INFORMATION
.013	3" DIA SCHEDULE 40 GALVANIZED RWL. PAINT WITH HIGH PERFORMANCE COATING TO MATCH SURROUND, TYP
.015	ALL EXPOSED STRUCTURAL STEEL TO BE PAINTED WITH HIGH PERFORMANCE COATING, TYP
.028	ALL EXPOSED FIRE SPRINKLER LINES TO BE PAINTED WITH HIGH PERFORMANCE COATING - COLOR: SW 7069 IRON ORE AT WOOD CEILING, OTHERWISE MATCH SURROUND, TYP
.029	SEISMIC JOINT COVER - CUSTOM FACTORY FINISH TO MATCH OKO SKIN
.043	INSTALL BATTENS AT SIDE WALL - BOTTOM AT 4" BELOW TOP OF COPING
.045	16 GA ALUMINUM BRAKE METAL TRIM. FACTORY FINISH TO MATCH STOREFRONT / CURTAIN WALL, TYP
.049	GRID IS TO CENTERLINE OF STRUCTURAL STEEL (AND UPPER WALL WHERE OCCURS)
.053	NOTE: THIS ENTRY CANOPY STRUCTURE TO BE REMOVED FOR PHASE 2 CONSTRUCTION.
.061	5/4 X 4 BATTENS O/ 5/8" A/C REDWOOD ROUGH SAWN PLYWOOD PANELING
.067	FIRE SPRINKLER RISER, SEE FIRE PROTECTION DRAWINGS & SCD. PAINT WITH HIGH PERFORMANCE COATING, CUSTOM COLOR TO MATCH OKO SKIN
.068	FIRE ALARM BELL, SEE FIRE PROTECTION & FIRE ALARM DRAWINGS - PAINT TO MATCH SURROUND
.073	FIXTURES TO BE LOCATED EQUIDISTANT BETWEEN BATTENS, TYP AT BOARD AND BATTEN WALLS. WHEN BATTENS ARE SPACED CLOSER THAN 16" OC AND FIXTURE CANNOT FIT BETWEEN BATTENS, MOUNT PER DTL 20/A-523
.097	BACKER ROD AND SEALANT AT ALL PENETRATIONS THROUGH WALL, TYP BEFORE APPLICATION OF FLUID-APPLIED VAPOR BARRIER
.102	REMOVE, REPLACE AND CUT BACK RAINSCREEN PANELS AND FURRING AS REQUIRED AT REMOVED PHASE 1 ENTRY CANOPY AND WHERE PHASE 2 BREEZEWAY JOINS PHASE 1 BUILDING
.111	LED EDGE LIT LETTERS PAINTED CUSTOM COLOR TO MATCH SW 7069 IRON ORE, SED FOR ASSOCIATED WORK
.132	LOW ENERGY DOOR ACTUATOR, SED FOR ASSOCIATED WORK & DTL 19/A-522
.134	ADA PARKING SIGN MOUNTED ON BUILDING (VAN) - SEE SHT C-502. PROVIDE 1/4" STANDOFF(S) BEHIND SIGN AT ATTACHMENT POINT(S)
.135	ADA PARKING SIGN MOUNTED ON BUILDING - SEE SHT C-502. PROVIDE 1/4" STANDOFF(S) BEHIND SIGN AT ATTACHMENT POINT(S)
.136	LOW ENERGY DOOR ACTUATOR (VERTICAL ACTUATION BAR COMPLYING WITH CBC 11B-404.2.9, EXCEPTION C), SED FOR ASSOCIATED WORK. MOUNT ON FACE OF FINISH WALL SURFACE. SEE DTL 19/A-522

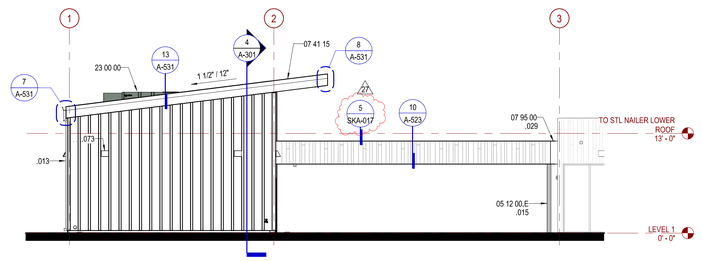
EXTERIOR FINISH LEGEND

- 07 41 15 - MANUFACTURED STANDING SEAM ROOF, SEE **1/A-531**
- SOLAR PANEL FIELD, SED FOR ASSOCIATED WORK
- 07 46 50 - FIBER-CEMENT SIDING, SEE **1/A-521**
- 07 46 20 - 5/4 x 4 BATTENS w/ 5/8" A/C CEDAR ROUGH SAWN PLYWOOD PANELING, SEE **2/A-521**



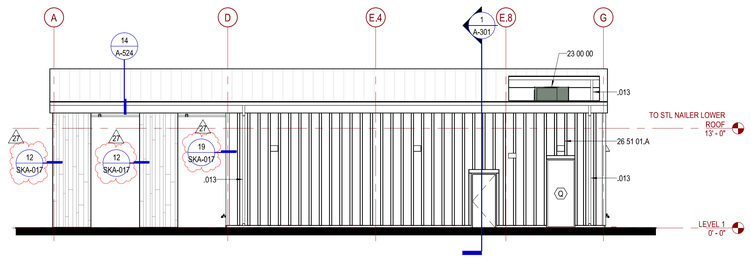
5 NORTH ELEVATION - PHASE 2

1/8" = 1'-0"



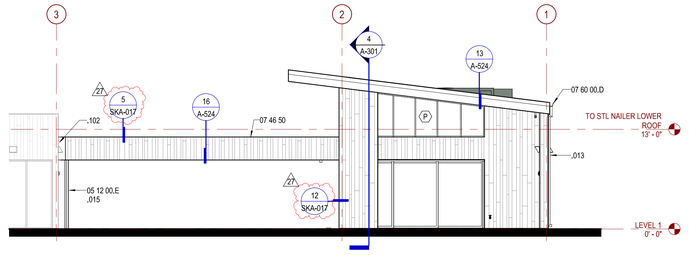
6 EAST ELEVATION - PHASE 2

1/8" = 1'-0"



7 SOUTH ELEVATION - PHASE 2

1/8" = 1'-0"



8 WEST ELEVATION - PHASE 2

1/8" = 1'-0"

1/25/2025 3:39:30 PM

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC.:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/04/2025

AGENCY APPROVAL STAMP

TLCD ARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

CONSULTANT:

STAMP:

LICENSED ARCHITECT
EARL SERRAO
C-32545
REN:12/31/25
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
27	1/14/25	CCD 015 GFRC ATTACHMENT CHANGES

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

EXTERIOR ELEVATIONS

A-201

SECTION 00 01 10

TABLE OF CONTENTS

PROJECT MANUAL
INTRODUCTORY INFORMATION

CCD 015
27

DIVISION 13 – SPECIAL CONSTRUCTION

Not used.

DIVISION 14 – CONVEYING EQUIPMENT

Not used.

DIVISION 21 – FIRE SUPPRESSION

Section	21 00 00	Fire Suppression

DIVISION 22 – PLUMBING

Section	22 00 00	Plumbing

DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING

Section	23 00 00	Mechanical

DIVISION 26 – ELECTRICAL

Section	26 05 00	Basic Electrical Requirements
	26 05 13	Medium Voltage Distribution
	26 08 00	Testing
	26 12 02	Three-Phase Padmounted Transformer
	26 24 00	Service and Distribution System
	26 27 00	Basic Electrical Materials and Methods
	26 31 01	Photovoltaic System
	26 32 01	Lithium Iron Phosphate Battery Storage
	26 51 01	Lighting
	26 56 01	Site Lighting
	26 57 00	Low Voltage Lighting Control Systems

DIVISION 27 – COMMUNICATIONS

Section	27 00 00	Telecommunications Systems
	27 51 03	Assisted Listening System

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

Section	28 31 00	Fire Alarm System with Voice Evacuation

DIVISION 31 – EARTHWORK

Section	31 10 00	Site Preparations
	31 10 01	Plant Protection
	31 20 00	Earthwork
	31 23 16	Trenching, Backfilling, Compaction

DIVISION 32 – EXTERIOR IMPROVEMENTS

Section	32 12 16	Asphalt Concrete Paving and Base
	32 12 23	Pavement Markings and Signs

END OF SECTION

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SECTION 07 25 00.D

FLUID-APPLIED MEMBRANE AIR BARRIERS - STPE

CCD 015
27

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Medium-build air barriers, vapor permeable.

B. Related Requirements:

1. Section 07 21 00 Thermal insulation for continuous extruded polystyrene thermal insulation exterior wall substrate below air barrier.
2. Section 072500 "Weather Resistive Barriers" for weather barriers, including flexible flashing and building wraps with air-barrier properties.
3. Section 07 46 50 GFRC Facade System for exterior rain screen cladding system over air barriers.

1.2 DEFINITIONS

A. Air-Barrier Accessory: A transitional component of the air barrier that provides continuity.

B. Air-Barrier Assembly: The collection of air-barrier materials and accessories applied to an opaque wall, including joints and junctions to abutting construction, to control air movement through the wall.

C. Air-Barrier Material: A primary element that provides a continuous barrier to the movement of air.

1.3 ACTION SUBMITTALS

A. Product Data: Include manufacturer's written instructions for evaluating, preparing, and treating each substrate; technical data; dry film thickness; and tested physical and performance properties of products.

1. Medium-build air barriers, vapor permeable.

B. Shop Drawings: For air-barrier assemblies.

1. Show locations and extent of air-barrier materials, accessories, and assemblies specific to Project conditions.
2. Include details for substrate joints and cracks, counterflashing strips, penetrations, inside and outside corners, terminations, and tie-ins with adjoining construction.
3. Include details of interfaces with other materials that form part of air barrier.

1.4 INFORMATIONAL SUBMITTALS

A. Product Certificates: From air-barrier manufacturer, certifying compatibility of air barriers and accessory materials with Project materials that connect to or that come in contact with the barrier.

B. Product Test Reports: For each air-barrier assembly, for tests performed by a qualified testing agency.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Remove and replace liquid materials that cannot be applied within their stated shelf life.

B. Protect stored materials from direct sunlight.

1.7 FIELD CONDITIONS

A. Environmental Limitations: Apply air barrier within the range of ambient and substrate temperatures recommended in writing by air-barrier manufacturer.

1. Protect substrates from environmental conditions that affect air-barrier performance.
2. Do not apply air barrier to a damp or wet substrate or during snow, rain, fog, or mist.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

A. Obtain primary air-barrier materials and air-barrier accessories from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Air-Barrier Performance: Air-barrier assembly and seals with adjacent construction to be capable of performing as a continuous air barrier and as a liquid-water drainage plane flashed to discharge to the exterior incidental condensation or water penetration. Air-barrier assemblies to be capable of accommodating substrate movement and of sealing substrate expansion and control joints, construction material changes, penetrations, tie-ins to installed waterproofing, and transitions at perimeter conditions without deterioration and air leakage exceeding specified limits.

B. Air-Barrier Assembly Air Leakage: Maximum 0.04 cfm/sq. ft. of surface area at 1.57 lbf/sq. ft., when tested in accordance with ASTM E2357.

C. Air Permeance: Maximum 0.001 cfm/sq. ft. of surface area at 1.57 lbf/sq. ft. p difference; ASTM E2178.

D. Ultimate Elongation: Minimum 350 percent; ASTM D412, Die C.

E. Adhesion to Substrate: Minimum 16 lbf/sq. in. when tested in accordance with ASTM D4541.

F. Fire Propagation Characteristics: Passes NFPA 285 testing as part of an approved assembly.

G. UV Resistance: Can be exposed to sunlight for 30 days in accordance with manufacturer's written instructions. Air barrier shall be UV resistant for use behind open-joint rain screen cladding systems.

2.3 MEDIUM-BUILD AIR BARRIERS, VAPOR PERMEABLE

A. Medium-Build, Vapor-Permeable Air Barrier: Synthetic polymer material with an installed dry film thickness, according to manufacturer's written instructions, of 20 to 34 mils over smooth, void-free substrates.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Henry, a Carlisle Coating & Waterproofing, Inc; Air-Bloc All Weather STPE; Color - Black or comparable product by one of the following:

    a. DuPont de Nemours, Inc.
    b. Tremco Commercial Sealants and Waterproofing, part of Tremco CPG
    c. W. R. Meadows, Inc

2. Vapor Permeance: Minimum 11 perms; ASTM E96/E96M, Procedure A, Desiccant Method.

2.4 ACCESSORY MATERIALS

A. Provide primers, transition strips, termination strips, joint reinforcing fabric and strips, joint sealants, counterflashing strips, flashing sheets and metal termination bars, termination mastic, substrate patching materials, adhesives, tapes, foam sealants, lap sealants, and other accessory materials that are recommended in writing by air-barrier manufacturer to produce a complete air-barrier assembly and that are compatible with primary air-barrier material and adjacent construction to which they may seal.

B. Primer: Liquid waterborne primer recommended for substrate by air-barrier material manufacturer.

C. Stainless Steel Sheet: ASTM A240/A240M, Type 304, 0.0187 inch thick, and Series 300 stainless steel fasteners.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.

1. Verify that substrates are sound and free of oil, grease, dirt, excess mortar, or other contaminants.
2. Verify that substrates have cured and aged for minimum time recommended in writing by air-barrier manufacturer.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 SURFACE PREPARATION

A. Clean, prepare, treat, fill, and seal substrate and joints and cracks in substrate in accordance with manufacturer's written instructions and details. Provide clean, dust-free, and dry substrate for air-barrier application.

B. Mask off adjoining surfaces not covered by air barrier to prevent spillage and overspray affecting other construction.

C. Remove grease, oil, bitumen, form-release agents, paints, curing compounds, and other penetrating contaminants or film-forming coatings from concrete.

D. At changes in substrate plane, apply sealant or termination mastic beads at sharp corners and edges to form a smooth transition from one plane to another.

E. Cover gaps in substrate plane and form a smooth transition from one substrate plane to another with stainless steel sheet mechanically fastened to structural framing to provide continuous support for air barrier.

F. Bridge isolation joints and discontinuous wall-to-wall, deck-to-wall, and deck-to-deck joints with air-barrier accessory material that accommodates joint movement in accordance with manufacturer's written instructions and details.

3.3 INSTALLATION OF ACCESSORIES

A. Install accessory materials in accordance with air-barrier manufacturer's written instructions and details to form a seal with adjacent construction and ensure continuity of air and water barrier.

1. Coordinate the installation of air barrier with installation of roofing membrane and base flashing to ensure continuity of air barrier with roofing membrane.
2. Install transition strip on roofing membrane or base flashing so that a minimum of **3 inches** of coverage is achieved over each substrate.
3. Unless manufacturer recommends in writing against priming, apply primer to substrates at required rate and allow it to dry.

4. Apply primer to substrates at required rate and allow it to dry. Limit prim areas that will be covered by air-barrier material on same day. Reprime areas exposed for more than 24 hours.

B. Connect and seal exterior wall air-barrier material continuously to roofing-membrane air barrier, concrete below-grade structures, floor-to-floor construction, exterior glazing and window systems, glazed curtain-wall systems, storefront systems, exterior louvers, exterior door framing, and other construction used in exterior wall openings, using accessory materials.

C. At end of each working day, seal top edge of strips and transition strips to substrate with termination mastic.

D. Apply joint sealants forming part of air-barrier assembly within manufacturer's recommended application temperature ranges. Consult manufacturer when sealant cannot be applied within these temperature ranges.

E. Wall Openings: Prime concealed, perimeter frame surfaces of windows, curtain walls, storefronts, and doors. Apply transition strip so that a minimum of 3 inches of coverage is achieved over each substrate. Maintain 3 inches of full contact over firm bearing to perimeter frames, with not less than 1 inch of full contact.

1. Transition Strip: Roll firmly to enhance adhesion.

F. Fill gaps in perimeter frame surfaces of windows, curtain walls, storefronts, and doors, and miscellaneous penetrations of air-barrier material with foam sealant.

G. Seal top of through-wall flashings to air barrier with an additional 6-inch- wide, transition strip.

H. Seal exposed edges of strips at seams, cuts, penetrations, and terminations not concealed by metal counterflashings or ending in reglets with termination mastic.

I. Repair punctures, voids, and deficient lapped seams in strips and transition strips. Slit and flatten fishmouths and blisters. Patch with transition strips extending 6 inches beyond repaired areas in strip direction.

3.4 INSTALLATION OF PRIMARY AIR-BARRIER MATERIAL

A. Apply air-barrier material to form a seal with strips and transition strips and to achieve a continuous air barrier in accordance with air-barrier manufacturer's written instructions and details. Apply air-barrier material within manufacturer's recommended application temperature ranges.

1. Unless manufacturer recommends in writing against priming, apply primer to substrates at required rate and allow it to dry.
2. Limit priming to areas that will be covered by air-barrier material on same day. Reprime areas exposed for more than 24 hours.
3. Where multiple prime coats are needed to achieve required bond, allow adequate drying time between coats.

B. Medium-Build Air Barriers: Apply continuous unbroken air-barrier material to substrates according to the following thickness. Apply an increased thickness of air-barrier material in full contact around protrusions such as masonry ties.

1. Vapor-Permeable, Medium-Build Air Barrier: Total dry film thickness 20 mils, applied in one coat. Apply additional material as needed to achieve void- and pinhole-free surface, but do not exceed thickness on which required vapor permeability is based.

C. Correct deficiencies in or remove air barrier that does not comply with requirements; repair substrates and reapply air-barrier components.

3.5 FIELD QUALITY CONTROL

A. Testing Agency: Owner may engage, solely at their discretion, a qualified testing agency to perform tests and inspections.

B. Inspections: Air-barrier materials, accessories, and installation are subject to inspection for compliance with requirements. Inspections may include the following:

1. Continuity of air-barrier system has been achieved throughout the building envelope with no gaps or holes.
2. Air-barrier dry film thickness.
3. Continuous structural support of air-barrier system has been provided.
4. Site conditions for application temperature and dryness of substrates have been maintained.
5. Maximum exposure time of materials to UV deterioration has not been exceeded.
6. Surfaces have been primed, if applicable.
7. Laps in strips and transition strips have complied with minimum requirements and have been shingled in the correct direction (or mastic has been applied on exposed edges), with no fishmouths.
8. Termination mastic has been applied on cut edges.
9. Strips and transition strips have been firmly adhered to substrate.
10. Compatible materials have been used.
11. Transitions at changes in direction and structural support at gaps have been provided.
12. Connections between assemblies (air-barrier and sealants) have complied with requirements for cleanliness, surface preparation and priming, structural support, integrity, and continuity of seal.
13. All penetrations have been sealed.

C. Air barriers will be considered defective if they do not pass tests and inspections.

1. Apply additional air-barrier material, in accordance with manufacturer's written instructions, where inspection results indicate insufficient thickness.
2. Remove and replace deficient air-barrier components for retesting as specified above.

D. Repair damage to air barriers caused by testing; follow manufacturer's written instructions.

E. Prepare test and inspection reports.

3.6 CLEANING AND PROTECTION

A. Protect air-barrier system from damage during application and remainder of construction period, in accordance with manufacturer's written instructions.

1. Protect air barrier from exposure to UV light and harmful weather exposure as recommended in writing by manufacturer. If exposed to these conditions for longer than recommended, remove and replace air barrier or install additional, full-thickness, air-barrier application after repairing and preparing the overexposed materials in accordance with air-barrier manufacturer's written instructions.
2. Protect air barrier from contact with incompatible materials and sealants not approved by air-barrier manufacturer.

B. Clean spills, stains, and soiling from construction that would be exposed in the completed work using cleaning agents and procedures recommended in writing by manufacturer of affected construction.

C. Remove masking materials after installation.

END OF SECTION

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TLCD ARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

CONSTRUCTION CHANGE DIRECTIVE

IN ORDER TO EXPEDITE THE WORK AND AVOID OR MINIMIZE DELAYS IN THE WORK, THE CONTRACT DOCUMENTS ARE HEREBY AMENDED AS DESCRIBED BELOW. PLEASE PROCEED WITH THIS WORK PROMPTLY. THIS IS NOT A CHANGE ORDER BUT A DIRECTION TO PROCEED WITH THE WORK AS AGREED HEREIN. PLEASE SUBMIT A CHANGE ORDER REQUEST TO THE ARCHITECT **WITHIN TEN (10) DAYS.** A FORMAL CHANGE ORDER WILL FOLLOW.

TITLE: PH 2 Scope Clarifications

DESCRIPTION:
Phase 2 will be bid this year. This CCD is intended to minimize scope in Phase 1 that may be transferred into the Phase 2 scope, thus allowing greater flexibility and construction access to the Phase 2 contractor.

DIRECTIVE:

Provide a cost proposal for the Owner's review/approval to reduce the scope of work in Phase 1 as indicated on the attached drawings.

ATTACHMENTS:
CCD 024 PH 2 SCOPE CLARIFICATIONS_DWG.pdf

CCD NO:
24

DATE:
03/05/2025

PROJECT:
NVC Wine Education Center

PROJECT NO:
21062.00

TO:
Garrett Hull
Midstate Construction

FROM:
Dennis Kennedy

COPIES TO:
Ken Burroughs
(Kitchell CEM)
Ken Burroughs-WEC
(Kitchell CEM)
James Evans
(Midstate Construction)
Dennis Kennedy
(TLCD Architecture)
Jay Leininger
(Kurt Hirtzer Inspection Services)
Samantha Maddox
(Napa Valley Community College District)
Mickale McChristian
(Midstate Construction)

ISSUED BY: Carl Dennis 3/5/25

ARCHITECT DATE

TLCD
ARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616

John Mota
(Midstate Construction)
Carl Servais
(TLCD Architecture)
Megan Staffanou
(Midstate Construction)

ROY PATRICK DRIVE

STREBLOW DRIVE

BUILDING
FF 27.35
PAD 26.60 (37)

PAD 26.60

PAD GRADING FOR WINE TASTING BUILDING TO OCCUR WITH PHASE 1 GRADING

PHASE 1

PHASE 2

SEE LANDSCAPE PLANS FOR TREE PROTECTION FENCING LIMITS. ISA CERTIFIED ARBORIST TO BE PRESENT FOR ALL WORK IN AND AROUND EXISTING OAK ROOT ZONE.

PHASING LINE TO DELINEATE HARDSCAPE IMPROVEMENTS TO BE INSTALLED WITH EACH PHASE. GRADING AND UTILITY IMPROVEMENTS FOR PHASE 1 MAY EXTEND PAST PHASE 2 LIMIT LINE.

SEE SHEET C-502 FOR TYPE 2 ADA PARKING STALL STRIPING

SEE SHEET C-502 FOR TYPE 1 ADA PARKING STALL STRIPING

PHASING LINE TO DELINEATE HARDSCAPE IMPROVEMENTS TO BE INSTALLED WITH EACH PHASE. GRADING AND UTILITY IMPROVEMENTS FOR PHASE 1 MAY EXTEND PAST PHASE 2 LIMIT LINE.

EXISTING CANOPY COLUMNS TO REMAIN, PROTECT IN PLACE

RELOCATED SIGN

20' PG&E EASEMENT

TRENCH DRAIN - 28 TG 24.74

BENCH

DAYLIGHT (TYP)

DAYLIGHT LINE

PAD LIMITS

BRICK WALL

GB

MATCH EX FG

SEE BELOW LEFT

SEE SHEET INSET RIGHT

SCALE IN FEET
1" = 10 Ft.

LEGEND

- (1)(2)(3) CURB TYPES PER DETAILS SHEET C-501
- TREE TO BE REMOVED.
- TREE TO BE SAVED.

GRADING NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

1. SAWCUT AND MATCH EXISTING IMPROVEMENTS.
2. INSTALL PEDESTRIAN RAMP TYPE A, PER DETAIL SHEET C-502.
3. INSTALL PEDESTRIAN RAMP TYPE B, PER DETAIL SHEET C-502.
4. INSTALL CURB TRANSITION PER DETAIL SHEET C-501.
5. RAISE EXISTING UTILITY BOX TO FINISHED GRADE.
6. CONTRACTOR SHALL OBTAIN AND PAY FOR AN ENCROACHMENT PERMIT FROM THE CITY OF NAPA BEFORE ANY WORK CAN OCCUR WITHIN THE PUBLIC RIGHT OF WAY.
9. DOWEL NEW SIDEWALK TO EXISTING SIDEWALK, PER DETAIL SHEET C-501.
10. INSTALL CONCRETE VALLEY GUTTER, PER DETAIL SHEET C-501.
13. INSTALL REDWOOD HEADER BOARD, PER DETAIL SHEET C-501.
19. 4" WIDE TRENCH DRAIN SHALL BE ACO DRAIN K100S WITH PRE-SLOPED TRENCH (OR APPROVED EQUAL), WITH SLOTTED ADA IRON BOLT DOWN GRATES. OUTLET PIPE FROM TRENCH DRAIN SHALL BE 4" DIAMETER SDR 35 PVC PIPE AT MINIMUM SLOPE OF 1%. TRENCH DRAINS SHALL INCLUDE INLINE CATCH BASINS (ACO K900 SERIES) WITH TRASH BUCKET. SEE DETAIL SHEET C-503.
22. BEFORE THE INSTALLATION OF ANY CURB AND GUTTER THE CONTRACTOR SHALL VERIFY THAT THE PROPOSED LIP OF GUTTER ELEVATIONS ARE LOWER THAN THE ADJACENT ASPHALT PAVEMENT ELEVATIONS TO ALLOW POSITIVE DRAINAGE AND A MINIMUM 2% ASPHALT SLOPE FROM THE ASPHALT SAWCUT LOCATION TO THE PROPOSED LIP OF GUTTER. NOTIFY ENGINEER OF RESULTS FOR POSSIBLE ADJUSTMENTS TO THE PROPOSED TOP OF CURB AND LIP OF GUTTER ELEVATIONS.
23. RAMP HANDRAILS, SEE LANDSCAPE ARCHITECTS DRAWINGS SHEET L-202 FOR HANDRAIL DETAILS.
24. STAIR HANDRAILS, SEE LANDSCAPE ARCHITECTS DRAWINGS SHEET L-203 FOR HANDRAIL DETAILS.
25. RETAINING WALL, SEE LANDSCAPE ARCHITECT PLANS SHEET L-202 FOR DETAILS.
27. NEW FENCING, SEE ARCHITECTS PLANS FOR DETAILS.
28. CONCRETE SEAT WALL, SEE LANDSCAPE ARCHITECTS DRAWINGS FOR DETAILS.
29. INSTALL TYPICAL SWALE, PER DETAIL SHEET C-501.
37. OVER EXCAVATE AND RECOMPACT UNDER BUILDING PAD PER GEOTECHNICAL ENGINEERS RECOMMENDATIONS.
42. RECESSED ENTRY GRILLES, SEE ARCHITECT'S PLAN FOR DETAILS.
A3 A3. TREE GRATE, SEE LANDSCAPE PLANS FOR DETAILS
48. BUILDING MONUMENT SIGN, SEE ARCHITECTS PLANS FOR DETAILS.

TLCDARCHITECTURE
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CONSULTANT:

Brelje & Race
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475 Aviation Boulevard, Suite 120
Santa Rosa, CA 95403
v: 707-576-1322
f: 707-576-0469
www.brce.com

AGENCY APPROVAL STAMP:

STAMP: REGISTERED PROFESSIONAL ENGINEER — PAUL V. BARTHOLOMEW — No. 40512 — Exp. 3-31-27 — CIVIL — STATE OF CALIFORNIA — 3/3/25

REVISIONS:

Number	Date	Description
3	3/3/25	CCD 024 PH2 SCOPE CLARIFICATION

NAPA VALLEY COLLEGE WINE EDUCATION CENTER
2277 NAPA VALLEJO HWY NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER: 01-120860
TLCD PROJECT NUMBER: 21062/2701.17
DATE: 3/3/2025
DRAWN BY: PIT
CHECKED BY: RG

PHASE 1 GRADING PLAN EDUCATION COMPLEX

C-100

03-03-25 gleason \2701\dwg\2701 17\2701.17 PLAN.dwg TAB: C-100 GRAD MAIN PH1

ROY PATRICK DRIVE

STREBLOW DRIVE

BUILDING
FF 27.35
PAD 26.60

PHASE 2

PHASE 1

SEE LANDSCAPE PLANS FOR TREE PROTECTION FENCING LIMITS; ISA CERTIFIED ARBORIST TO BE PRESENT FOR ALL WORK IN AND AROUND EXISTING OAK ROOT ZONE.

PHASING LINE TO DELINEATE HARDSCAPE IMPROVEMENTS TO BE INSTALLED WITH EACH PHASE. GRADING AND UTILITY IMPROVEMENTS FOR PHASE 1 MAY EXTEND PAST PHASE 2 LIMIT LINE.

SEE SHEET C-502 FOR TYPE 2 ADA PARKING STALL STRIPING

SEE SHEET C-502 FOR TYPE 1 ADA PARKING STALL STRIPING

DAYLIGHT (TYP)

SLIDING DOORS

BENCH

PHASE 2 OVERHEAD CANOPY

PAD LIMITS

DAYLIGHT LINE

EXISTING CANOPY COLUMNS TO REMAIN, PROTECT IN PLACE

PHASING LINE TO DELINEATE HARDSCAPE IMPROVEMENTS TO BE INSTALLED WITH EACH PHASE. GRADING AND UTILITY IMPROVEMENTS FOR PHASE 1 MAY EXTEND PAST PHASE 2 LIMIT LINE.

RELOCATED SIGN

20' PG&E EASEMENT

WINE PROCESSED WASTE LEACH FIELD

BUILDING

GRADING NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

(9) DOWEL NEW SIDEWALK TO EXISTING SIDEWALK, PER DETAIL SHEET C-501.

(12) GRADE LANDSCAPE AREA 5% MINIMUM SLOPE AWAY FROM BUILDING TO DRAINAGE SWALE.

(24) STAIR HANDRAILS, SEE LANDSCAPE ARCHITECTS DRAWINGS SHEET L-203 FOR HANDRAIL DETAILS.

(25) RETAINING WALL, SEE LANDSCAPE ARCHITECT PLANS SHEET L-202 FOR DETAILS.

(28) CONCRETE SEAT WALL, SEE LANDSCAPE ARCHITECTS DRAWINGS FOR DETAILS.

(29) INSTALL TYPICAL SWALE, PER DETAIL SHEET C-501.

(43) TREE GRATE, SEE LANDSCAPE PLANS FOR DETAILS

(42) RECESSED ENTRY GRILLES, SEE ARCHITECT'S PLAN FOR DETAILS.

NEW ASPHALT PAVEMENT WILL ACCOMMODATE FIRE APPARATUS PER CFC 503.2. SEE CALCULATIONS BELOW

PROJECT: Napa Valley College
JOB No.: 2701.17
DATE: 06/29/2023

PAVEMENT STRUCTURAL SECTION FOR FIRE APARATTUS CALCULATION

$TI = 4$
$R\text{-}VALUE_{AB} = 78$
$R\text{-}VALUE_{SG} = 5$
$SF\ (Safety\ Factor) = 60mm$

$GE_{AB} = 1.1$
$GE_{AC} = \frac{5.67}{TI^{0.5}}$ *If TI<5, use TI=5*
$GE_{AC} = \frac{5.67}{5^{0.5}}$
$GE_{AC} = 2.54$

DETERMINATION OF ASPHALT CONCRETE THICKNESS

$AC\ thickness = \frac{GE_{AC}}{GT_{AC}}$

$GE_{AC} = 0.975(TI).(100 - R_{AB}) + SF$
$GE_{AC} = 0.975(4).(100 - 5) + 60$
$GE_{AC} = 145.8\ mm$

$AC\ thickness = \frac{GE_{AC}}{GT_{AC}}$
$AC\ thickness = \frac{145.8}{2.54}$
AC thickness = 57.4mm = 0.19'

DETERMINATION OF AGGREGATE BASE THICKNESS

$AB\ thickness = \frac{GE_{AB}}{GT_{AB}}$

$GE_{TOTAL} = 0.975(TI).(100 - R_{SG})$
$GE_{TOTAL} = 0.975(4).(100 - 5)$
$GE_{TOTAL} = 370.5\ mm$

$GE_{AB} = GE_{TOTAL} - GE_{AC} - SF$
$GE_{AB} = 370.5 - 145.8 - 60$
$GE_{AB} = 164.7\ mm$

$AB\ thickness = \frac{GE_{AB}}{GT_{AB}}$
$AB\ thickness = \frac{164.7}{1.1}$
AB thickness = 149.73mm = 0.5'

MINUMUM PAVEMENT SECTION

0.19' AC OVER 0.5' CL2AB

Minimum Proposed Pavement Section on sheet C-201 = 0.21' asphalt over 0.63' class II base rock

SCALE IN FEET
1" = 10 Ft.

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
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CONSULTANT:

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v: 707-576-1322
f: 707-576-0469
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AGENCY APPROVAL STAMP:

STAMP: REGISTERED PROFESSIONAL ENGINEER — PAUL V. BARTOLOMI — No. 40512 — Exp. 3-31-27 — CIVIL — STATE OF CALIFORNIA — 3/3/25

REVISIONS:

Number	Date	Description
3	3/3/25	CCD 024 PH2 SCOPE CLARIFICATION

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

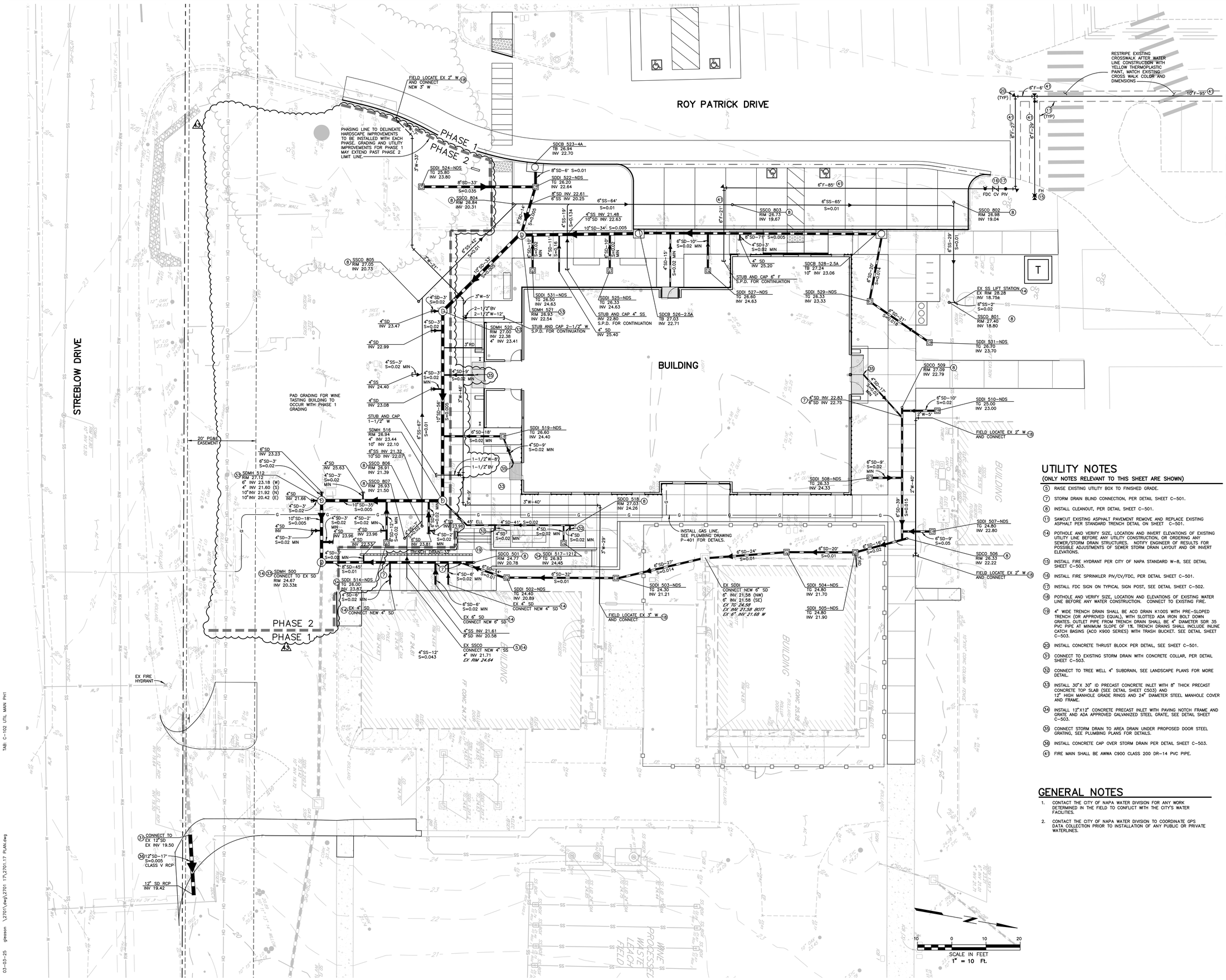
DSA APPLICATION NUMBER: 01-120890
TLCD PROJECT NUMBER: 21062/2701.17
DATE: 3/3/2025
DRAWN BY: PIT
CHECKED BY: RG

PHASE 2 GRADING PLAN EDUCATION COMPLEX

C-101

TAB: C-101 GRAD MAIN PH2

03-03-25 gleeson \2701\dwg\2701 17\2701.17 PLAN.dwg



UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

(5) RAISE EXISTING UTILITY BOX TO FINISHED GRADE.

(7) STORM DRAIN BLIND CONNECTION, PER DETAIL SHEET C-501.

(8) INSTALL CLEANOUT, PER DETAIL SHEET C-501.

(11) SAWCUT EXISTING ASPHALT PAVEMENT REMOVE AND REPLACE EXISTING ASPHALT PER STANDARD TRENCH DETAIL ON SHEET C-501.

(14) POTHOLE AND VERIFY SIZE, LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITY LINE BEFORE ANY UTILITY CONSTRUCTION, OR ORDERING ANY SEWER/STORM DRAIN STRUCTURES. NOTIFY ENGINEER OF RESULTS FOR POSSIBLE ADJUSTMENTS OF SEWER STORM DRAIN LAYOUT AND OR INVERT ELEVATIONS.

(15) INSTALL FIRE HYDRANT PER CITY OF NAPA STANDARD W-8, SEE DETAIL SHEET C-503.

(16) INSTALL FIRE SPRINKLER PIV/CV/FDC, PER DETAIL SHEET C-501.

(17) INSTALL FDC SIGN ON TYPICAL SIGN POST, SEE DETAIL SHEET C-502.

(18) POTHOLE AND VERIFY SIZE, LOCATION AND ELEVATIONS OF EXISTING WATER LINE BEFORE ANY WATER CONSTRUCTION. CONNECT TO EXISTING FIRE.

(19) 4" WIDE TRENCH DRAIN SHALL BE ACO DRAIN K100S WITH PRE-SLOPED TRENCH (OR APPROVED EQUAL), WITH SLOTTED ADA IRON BOLT DOWN GRATES. OUTLET PIPE FROM TRENCH DRAIN SHALL BE 4" DIAMETER SDR 35 PVC PIPE AT MINIMUM SLOPE OF 1%. TRENCH DRAINS SHALL INCLUDE INLINE CATCH BASINS (ACO K900 SERIES) WITH TRASH BUCKET. SEE DETAIL SHEET C-503.

(20) INSTALL CONCRETE THRUST BLOCK PER DETAIL, SEE SHEET C-501.

(31) CONNECT TO EXISTING STORM DRAIN WITH CONCRETE COLLAR, PER DETAIL SHEET C-503.

(32) CONNECT TO TREE WELL 4" SUBDRAIN, SEE LANDSCAPE PLANS FOR MORE DETAIL.

(33) INSTALL 30"X 30" ID PRECAST CONCRETE INLET WITH 8" THICK PRECAST CONCRETE TOP SLAB (SEE DETAIL SHEET C503) AND 12" HIGH MANHOLE GRADE RINGS AND 24" DIAMETER STEEL MANHOLE COVER AND FRAME.

(34) INSTALL 12"X12" CONCRETE PRECAST INLET WITH PAVING NOTCH FRAME AND GRATE AND ADA APPROVED GALVANIZED STEEL GRATE, SEE DETAIL SHEET C-503.

(35) CONNECT STORM DRAIN TO AREA DRAIN UNDER PROPOSED DOOR STEEL GRATING, SEE PLUMBING PLANS FOR DETAILS.

(36) INSTALL CONCRETE CAP OVER STORM DRAIN PER DETAIL SHEET C-503.

(41) FIRE MAIN SHALL BE AWWA C900 CLASS 200 DR-14 PVC PIPE.

GENERAL NOTES

1. CONTACT THE CITY OF NAPA WATER DIVISION FOR ANY WORK DETERMINED IN THE FIELD TO CONFLICT WITH THE CITY'S WATER FACILITIES.
2. CONTACT THE CITY OF NAPA WATER DIVISION TO COORDINATE GPS DATA COLLECTION PRIOR TO INSTALLATION OF ANY PUBLIC OR PRIVATE WATERLINES.

TLCDARCHITECTURE
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CONSULTANT:

Brelje & Race
CONSULTING ENGINEERS
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Santa Rosa, CA 95403
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AGENCY APPROVAL STAMP:

STAMP: REGISTERED PROFESSIONAL ENGINEER — ROBERT J. BARTHOLOMEW — No. 40512 — Exp. 3-31-27 — CIVIL — STATE OF CALIFORNIA — 3/3/25

REVISIONS:

Number	Date	Description
3	3/3/25	CCD 024 PH2 SCOPE CLARIFICATION

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER: 01-120890
TLCD PROJECT NUMBER: 21062/2701.17
DATE: 3/3/2025
DRAWN BY: PIT
CHECKED BY: RG

PHASE 1 UTILITY PLAN EDUCATION COMPLEX

C-102

TAB: C-102 UTIL MAIN PH1
03-03-25 gleason \2701\dwg\2701 17\2701.17 PLAN.dwg

ROY PATRICK DRIVE

STREBLOW DRIVE

PHASE 1
PHASE 2

BUILDING

SDCO 541
RIM 27.23
INV 23.76

SDCO 850
RIM 27.31
INV 24.68

SDCO 529
RIM 27.28
INV 24.35

SDDI 540-NDS
TG 26.50
INV 23.35

SDCO 513
RIM 24.50
INV 22.00

SDDI 514-1212
TG 26.88
INV 23.87

SDDI 515-1212
TG 26.88
INV 23.88

SDDI 511-1212
TG 26.90
INV 23.88

4"SD-23' S=0.02 MIN
4"SD INV 23.73
4"SD-11' S=0.02 MIN
4"SD-14' S=0.02 MIN
4"SD INV 23.53
6"SS INV 20.76
4"SD-10' S=0.02 MIN
4"SD INV 23.05
6"SS INV 20.82
4"SD-4' S=0.02 MIN
4"SS-14' S=0.02
4"SD-19' S=0.02 MIN
4"SD INV 23.13
6"SS INV 20.99
4"SD INV 23.42
3"SD INV 24.40
3"SD-3' S=0.02 MIN
4"SD INV 25.40
4"SD-16' S=0.02 MIN
1-1/2"W-24'
4"SD-9' S=0.02 MIN
4"SD-10' S=0.02 MIN
4"SD-21' S=0.02
4"SD-2' S=0.02 MIN
4"SD-1' S=0.02 MIN
6"SD-2' S=0.02 MIN
4"SD-2' S=0.02 MIN
4"SD-5' S=0.02 MIN

20' PG&E EASEMENT

PHASE 2
PHASE 1

UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

(7) STORM DRAIN BLIND CONNECTION, PER DETAIL SHEET C-501.

(8) INSTALL CLEANOUT, PER DETAIL SHEET C-501.

(32) CONNECT TO TREE WELL 4" SUBDRAIN, SEE LANDSCAPE PLANS FOR MORE DETAIL.

(34) INSTALL 12"x12" CONCRETE PRECAST INLET WITH PAVING NOTCH FRAME AND GRATE AND ADA APPROVED GALVANIZED STEEL GRATE, SEE DETAIL SHEET C-503.

(35) CONNECT STORM DRAIN TO AREA DRAIN UNDER PROPOSED DOOR STEEL GRATING, SEE PLUMBING PLANS FOR DETAILS.

(43) (49) REMOVE SDD1 514. INSTALL NEW PRECAST 1212 STORM DRAIN INLET.

SCALE IN FEET
1" = 10 Ft.

TAB: C-104 UTIL MAIN PH2

03-03-25 gleeson \2701\dwg\2701 17\2701-17 PLAN.dwg

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STAMP:

REGISTERED PROFESSIONAL ENGINEER · PAUL T. BARTLOW · No. 40512 · Exp. 3-31-27 · CIVIL · STATE OF CALIFORNIA ·

3/3/25

REVISIONS:

Number	Date	Description
43	3/3/25	CCD 024 PH2 SCOPE CLARIFICATION

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062/2701.17

DATE:
3/3/2025

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RG

PHASE 2 UTILITY PLAN EDUCATION COMPLEX

C-104

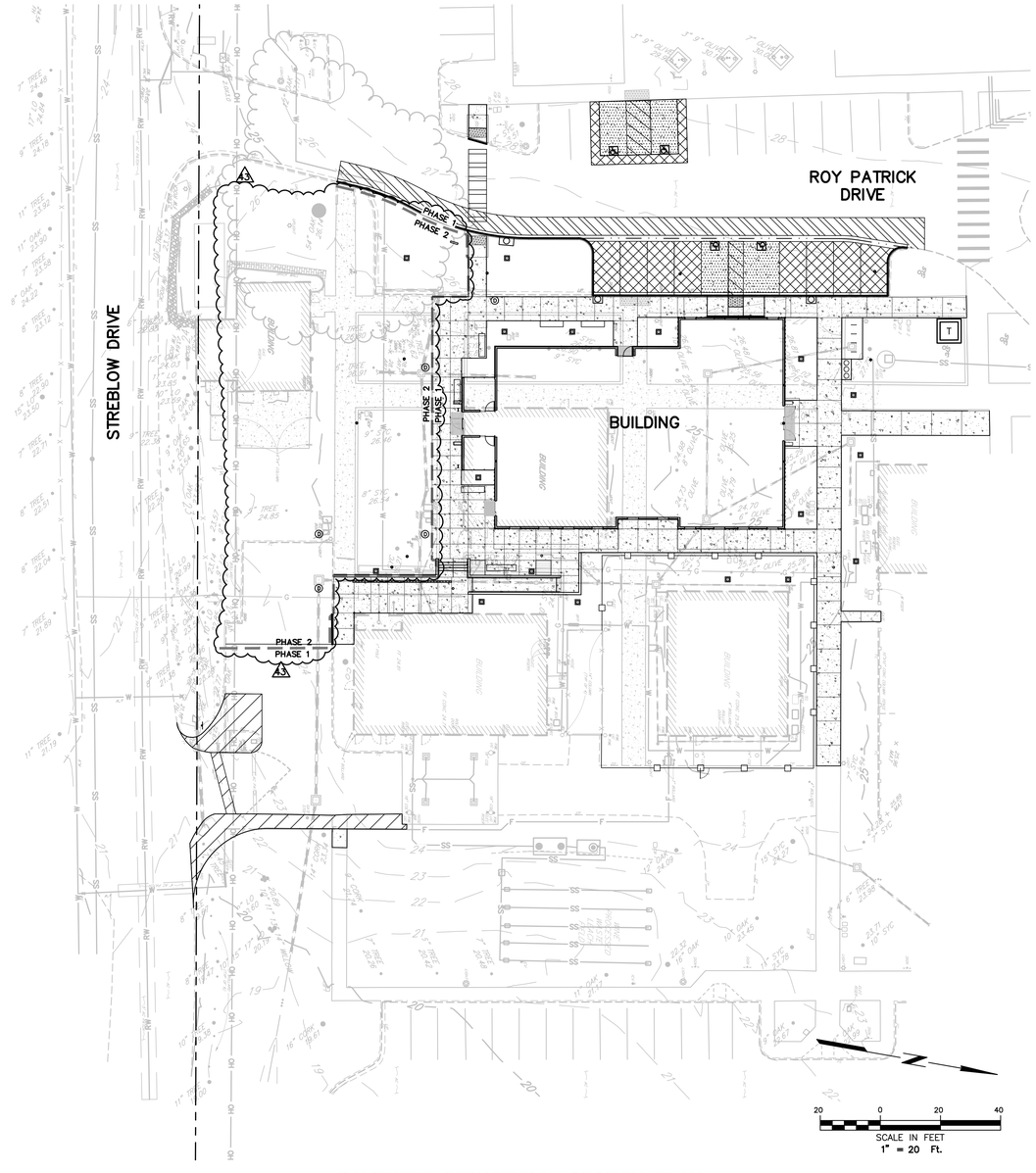
PAVEMENT STRUCTURAL SECTION

LOCATION	AC*	CL2 AB**	PCC***
CONCRETE (PEDESTRIAN) PER DETAIL SHEET C-501 SEE LANDSCAPE PLANS FOR PEDESTRIAN CONCRETE COLOR AND FINISH REQUIREMENTS.	–	0.33'	0.33'
CONCRETE (VEHICULAR) PER DETAIL SHEET C-501	–	0.50'	0.50'
ASPHALT CONCRETE (AC) PARKING STALL – TI=4	0.21'	0.63'	–
ASPHALT CONCRETE (AC) PARKING AISLE – TI=5	0.25'	0.83'	–
ASPHALT CONCRETE (AC) DRIVE AISLE – TI=6	0.29'	1.08'	–

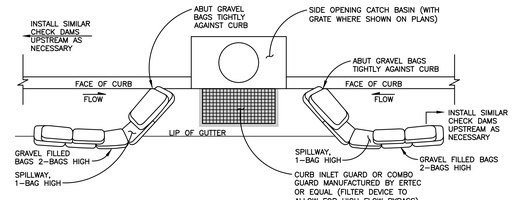
* TYPE A 1/2 MAX MEDIUM ASPHALT

** 3/4" CLASS 2 AGGREGATE BASE PER CALTRANS SECTION 26, COMPACTED TO 95% RELATIVE COMPACTION

*** CONCRETE PER CALTRANS STANDARD SPECIFICATIONS SECTION 90-2 "MINOR CONCRETE". SEE CIVIL CONCRETE SPECIFICATIONS FOR MORE DETAIL.

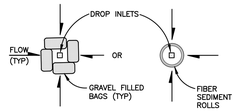


PAVEMENT STRUCTURAL SECTION PLAN



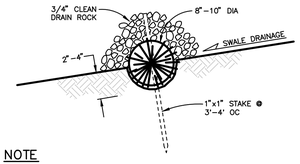
CATCH BASIN PROTECTION – AT SUMP

NOT TO SCALE



MINOR INLET PROTECTION

NOT TO SCALE



NOTE

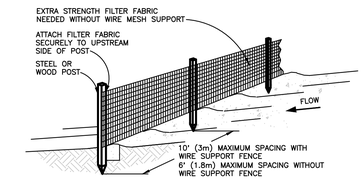
1. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 2"–4" DEEP, DUG ON A "V" PATTERN INTO THE SIDES AND BOTTOM OF THE SWALE. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL. COVER THE FIBER ROLL IN THE FLOWLINE OF THE SWALE WITH 3/4" CLEAN DRAIN ROCK TO PROVIDE ADDITIONAL FILTERING.

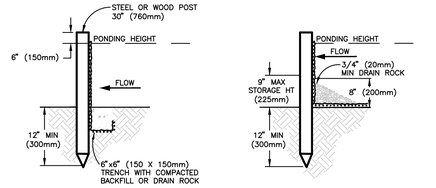
FIBER ROLL SWALE CHECK

NOT TO SCALE

NOTES

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

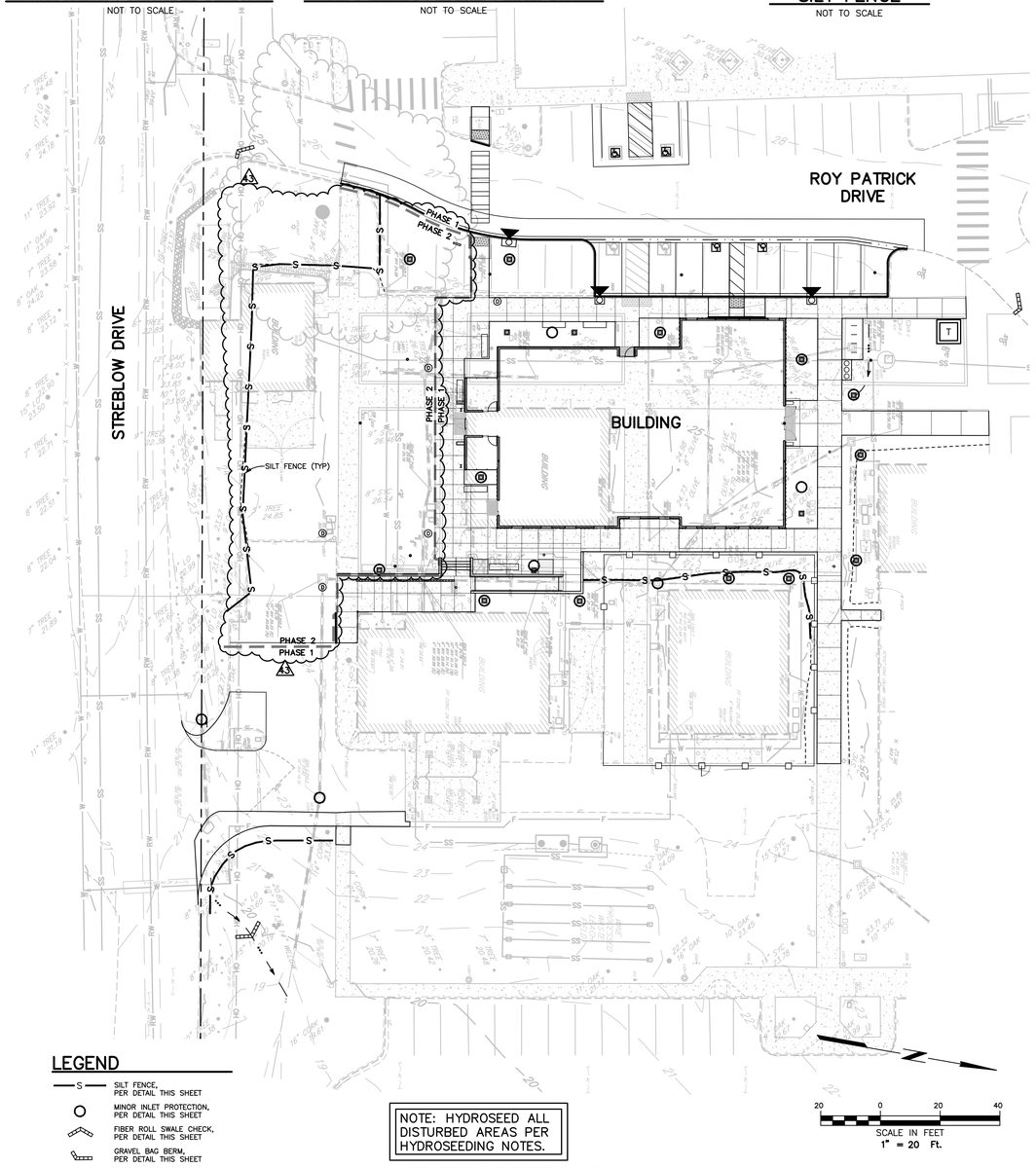




TRENCH INSTALLATION WITHOUT TRENCHING

SILT FENCE

NOT TO SCALE



LEGEND

- S — SILT FENCE, PER DETAIL THIS SHEET
- MINOR INLET PROTECTION, PER DETAIL THIS SHEET
- FIBER ROLL SWALE CHECK, PER DETAIL THIS SHEET
- GRAVEL BAG BERM, PER DETAIL THIS SHEET
- CATCH BASIN PROTECTION, PER DETAIL THIS SHEET

NOTE: HYDROSEED ALL DISTURBED AREAS PER HYDROSEEDING NOTES.

EROSION CONTROL PLAN

TLCDARCHITECTURE
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f: 707-576-0469
www.brce.com

AGENCY APPROVAL STAMP:

STAMP: REGISTERED PROFESSIONAL ENGINEER, PAUL V. BARTSON, No. 40512, Exp. 3-31-27, CIVIL, STATE OF CALIFORNIA, 3/3/25

REVISIONS:

Number	Date	Description
3	3/3/25	CCD 024 PH2 SCOPE CLARIFICATION

NAPA VALLEY COLLEGE WINE EDUCATION CENTER
2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER: 01-120860
TLCD PROJECT NUMBER: 21062/2701.17
DATE: 3/3/2025
DRAWN BY: PIT
CHECKED BY: RG

PHASE 1 PAVEMENT STRUCTURAL SECTION & EROSION CONTROL PLAN

C-201

03-03-25 Pothedl \2701\dwg\2701 17\2701-17 PAVEMENT.dwg TAB: C-201 PAVE EROS Ph1

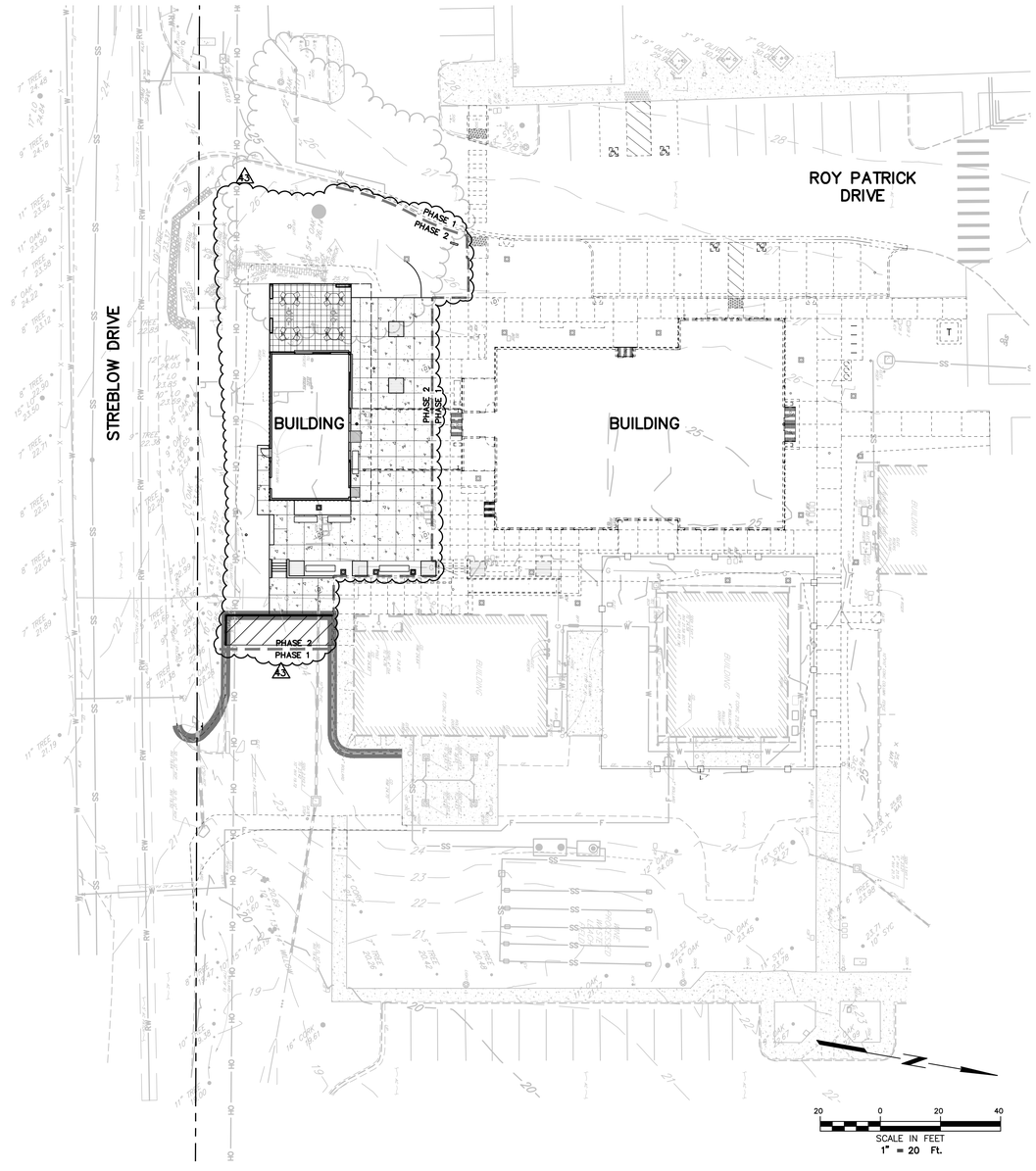
PAVEMENT STRUCTURAL SECTION

LOCATION	AC*	CL2 AB**	PCC***
CONCRETE (PEDESTRIAN) PER DETAIL SHEET C-501 SEE LANDSCAPE PLANS FOR PEDESTRIAN CONCRETE COLOR AND FINISH REQUIREMENTS.	–	0.33'	0.33'
CONCRETE PAVERS, SEE LANDSCAPE PLANS FOR DETAILS	–	–	–
ASPHALT CONCRETE (AC) PARKING AISLE – TI=5	0.25'	0.83'	–

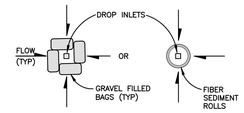
* TYPE A 1/2 MAX MEDIUM ASPHALT

** 3/4" CLASS 2 AGGREGATE BASE PER CALTRANS SECTION 26, COMPACTED TO 95% RELATIVE COMPACTION

*** CONCRETE PER CALTRANS STANDARD SPECIFICATIONS SECTION 90-2 "MINOR CONCRETE". SEE CIVIL CONCRETE SPECIFICATIONS FOR MORE DETAIL.



PAVEMENT STRUCTURAL SECTION PLAN



MINOR INLET PROTECTION

NOT TO SCALE

LEGEND

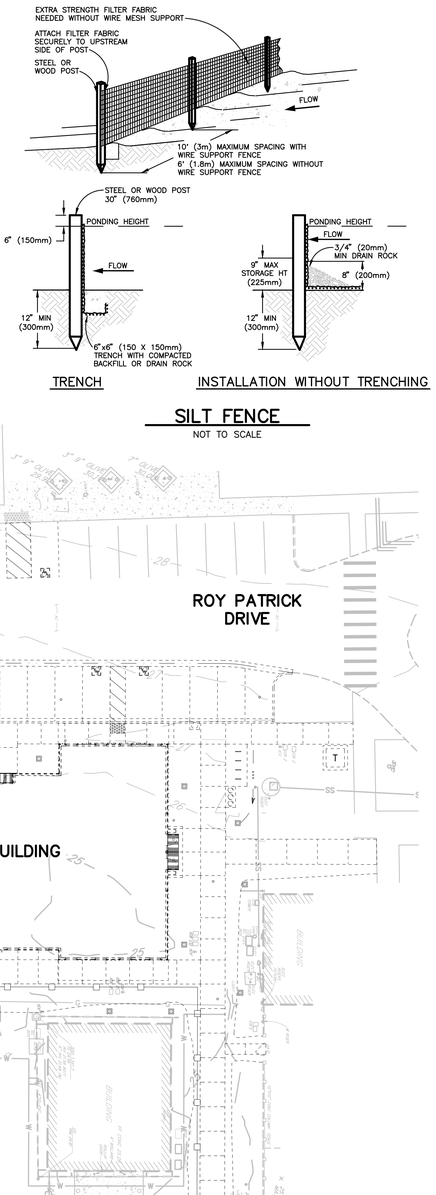
S — SILT FENCE, PER DETAIL THIS SHEET

○ MINOR INLET PROTECTION, PER DETAIL THIS SHEET

NOTE: HYDROSEED ALL DISTURBED AREAS PER HYDROSEEDING NOTES.

NOTES

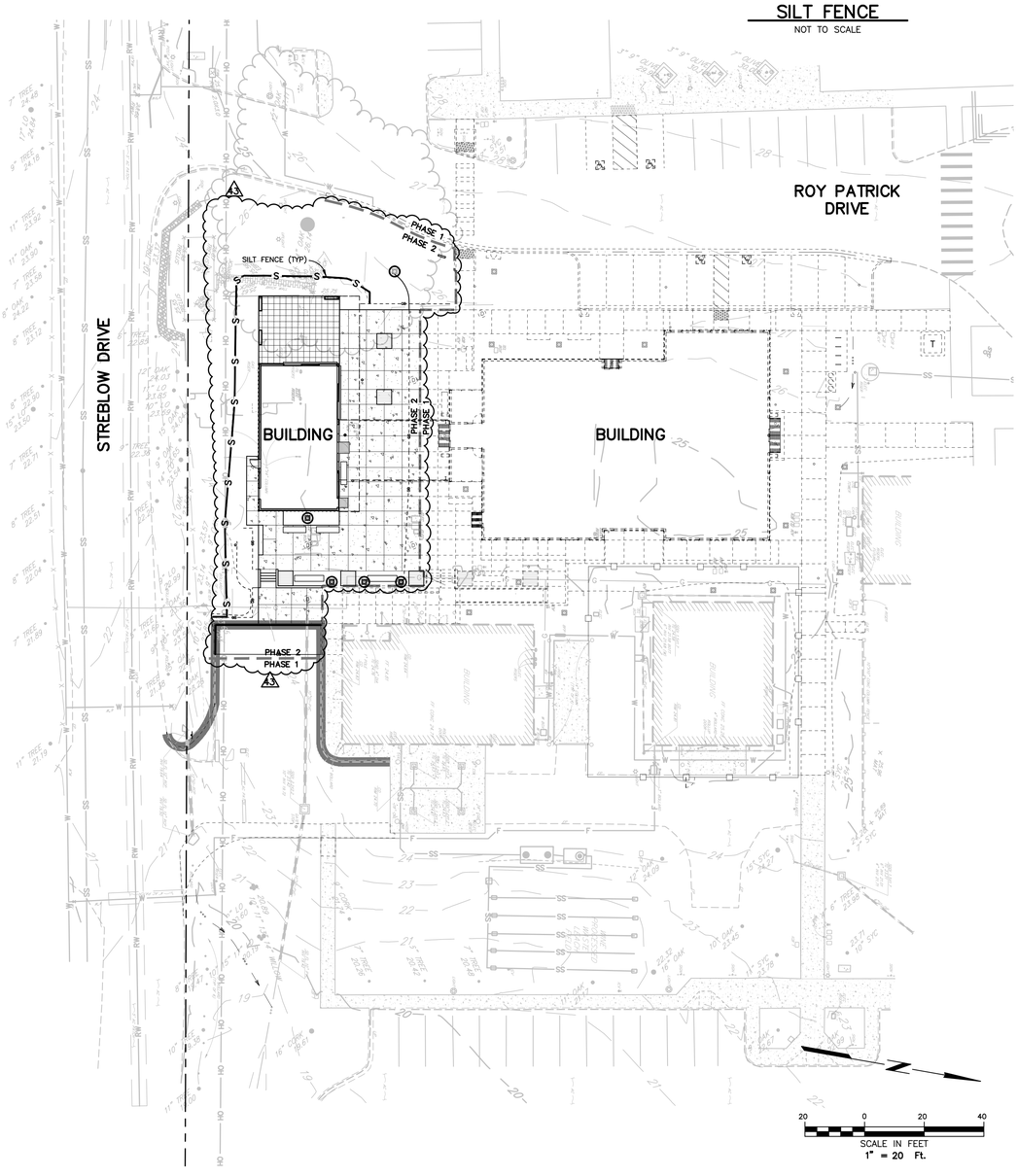
1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.



TRENCH INSTALLATION WITHOUT TRENCHING

SILT FENCE

NOT TO SCALE



EROSION CONTROL PLAN

AGENCY APPROVAL STAMP:

TLCD ARCHITECTURE
520 Third St. #250
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tlcd.com

CONSULTANT:

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STAMP:

REGISTERED PROFESSIONAL ENGINEER · PAUL T. BARTHOLOMEW · No. 40512 · Exp. 3-31-27 · CIVIL · STATE OF CALIFORNIA ·

3/3/25

REVISIONS:

Number	Date	Description
3	3/3/25	CCD 024 PH2 SCOPE CLARIFICATION

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER: 01-120890

TLCD PROJECT NUMBER: 21062/2701.17

DATE: 3/3/2025

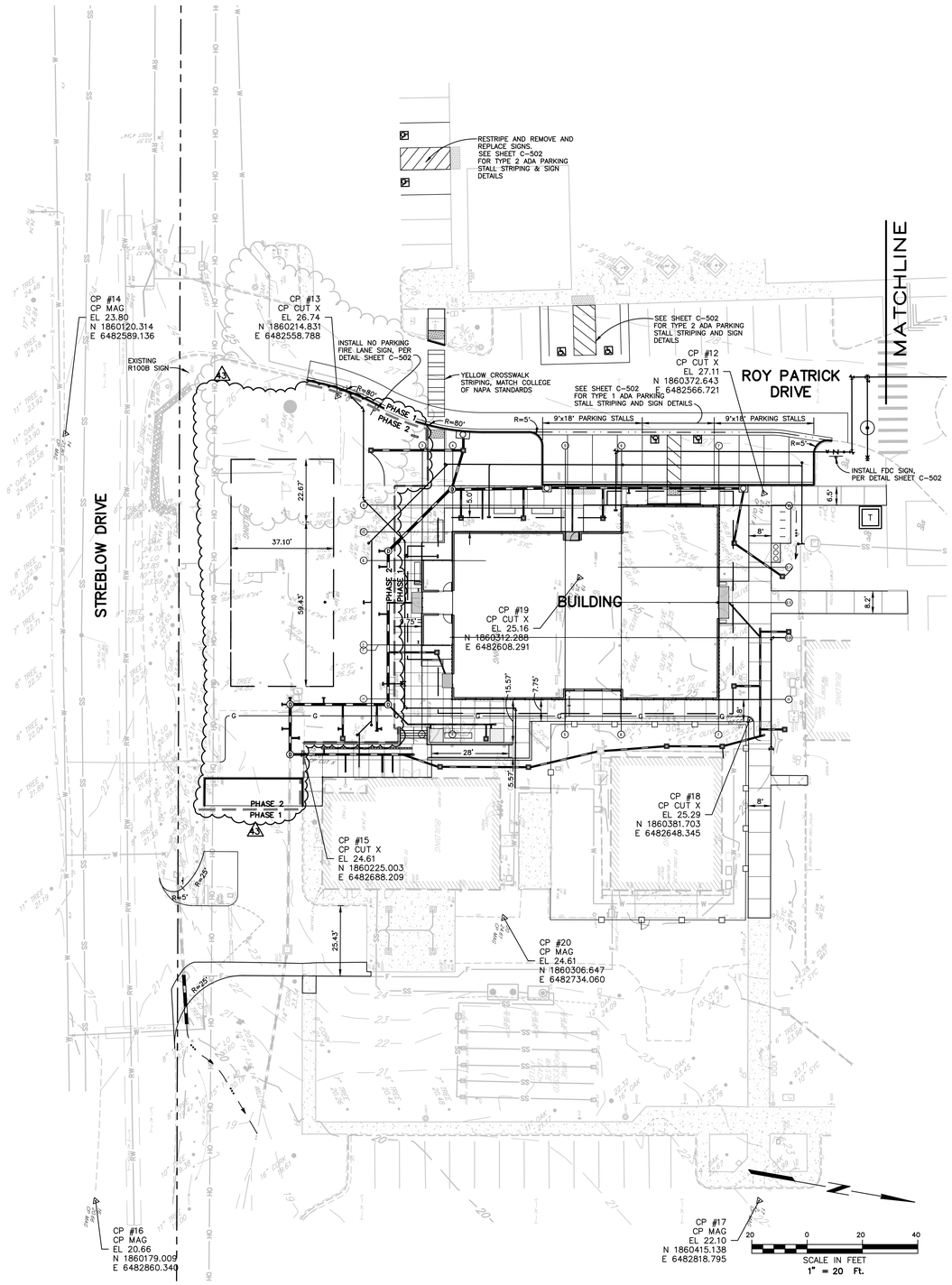
DRAWN BY: PIT

CHECKED BY: RG

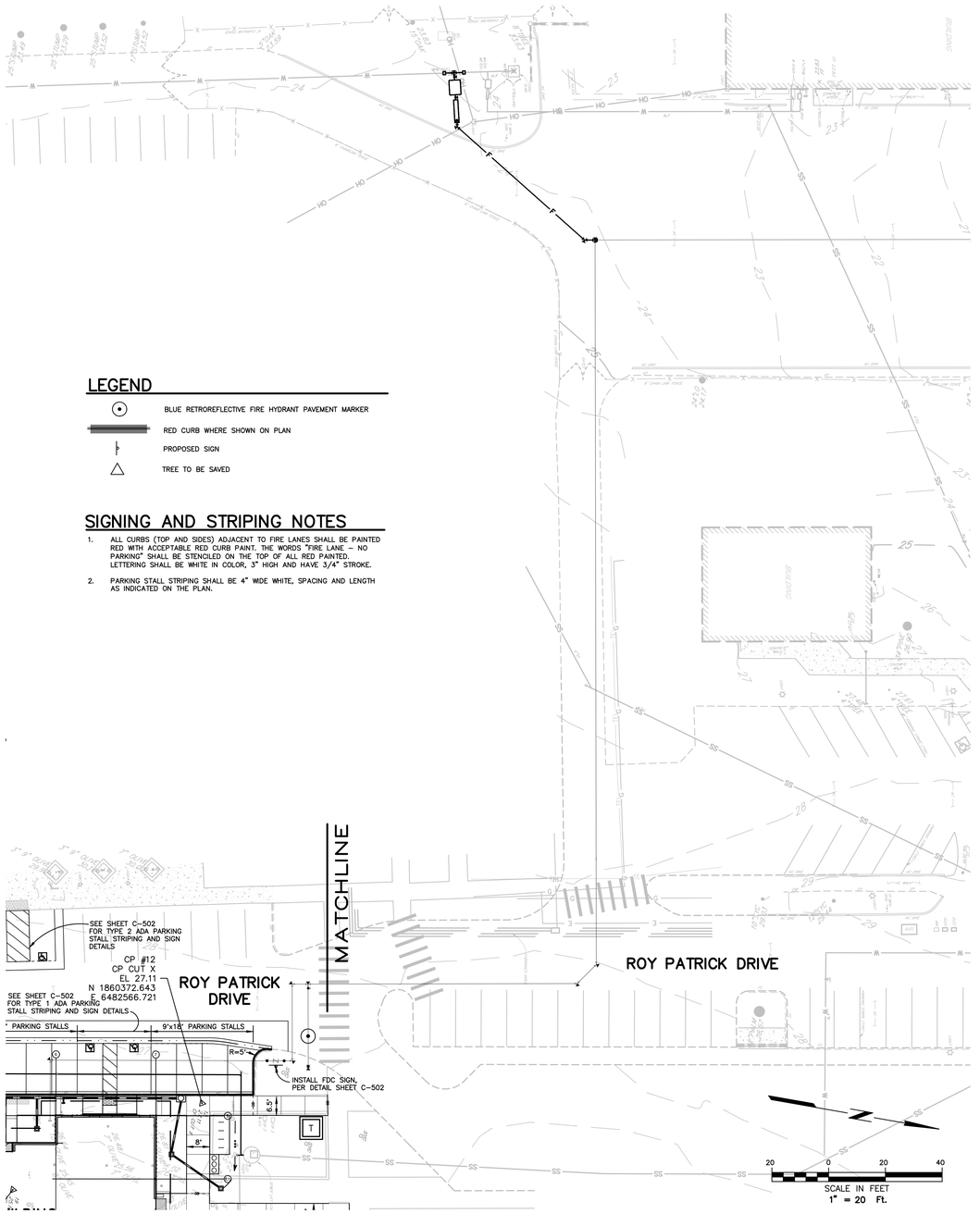
PHASE 2 PAVEMENT STRUCTURAL SECTION & EROSION CONTROL PLAN

C-202

03-03-25 Pothosi \2701\dwg\2701 17\2701.17 PAVEMENT.dwg TAB: C-202 PAVE EROS PH2



LAYOUT PLAN EDUCATION COMPLEX



LAYOUT PLAN FIRE LINE

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
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Number	Date	Description
3	3/3/25	CCD 024 PH2 SCOPE CLARIFICATION

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

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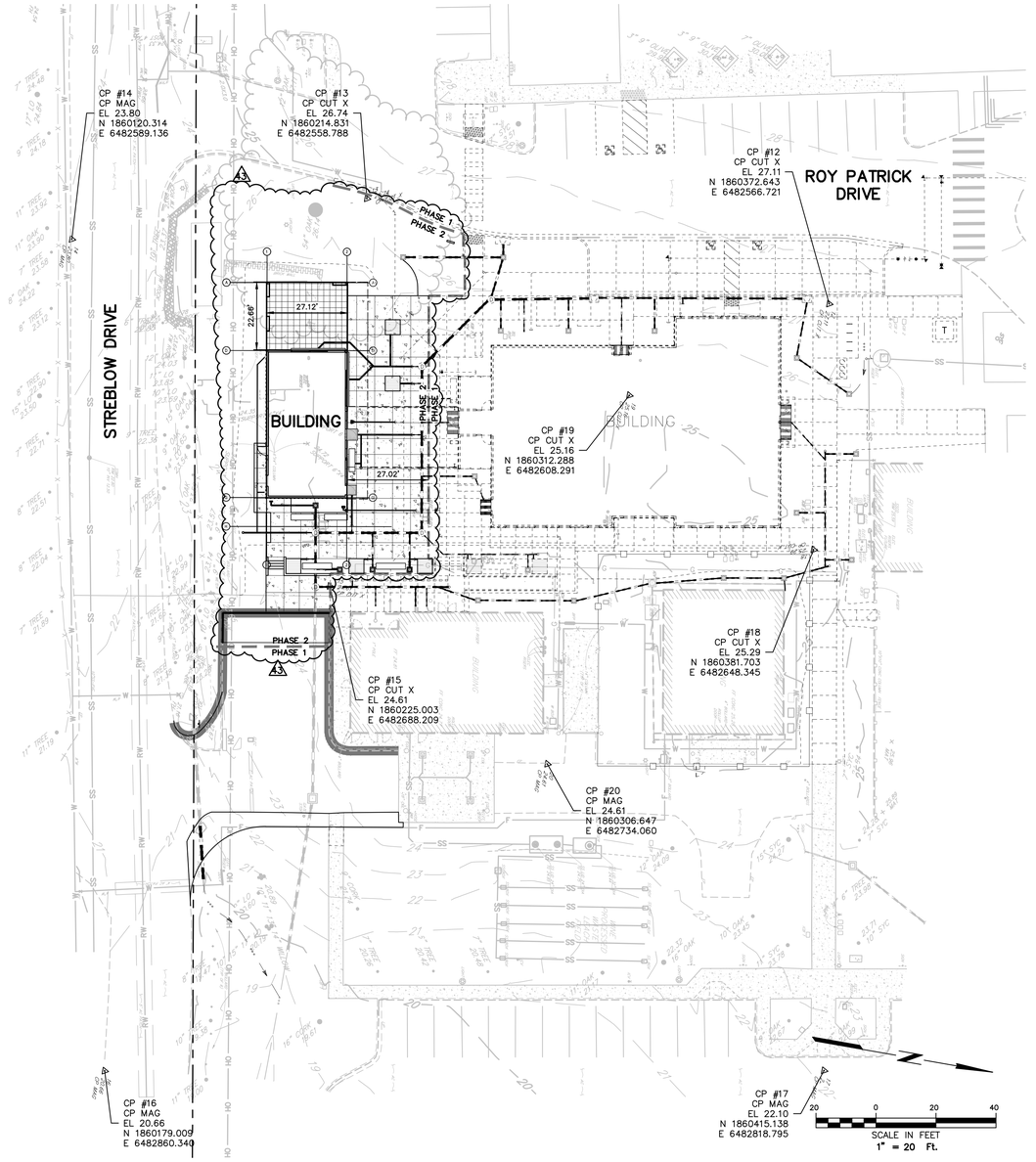
PHASE 1
LAYOUT PLAN

C-203

03-03-25 Pathed: \2701\dwg\2701 17\2701.17 PAVEMENT.dwg TAB: C-203 LAYOUT PH1

LEGEND

RED CURB WHERE SHOWN ON PLAN



LAYOUT PLAN EDUCATION COMPLEX

03-03-25 Pathed \2701\dwg\2701 17\2701.17 PAVEMENT.dwg TAB: C-204 LAYOUT PH2

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CIVIL
STATE OF CALIFORNIA
3/3/25

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3	3/3/25	CCD 024 PH2 SCOPE CLARIFICATION

NAPA VALLEY COLLEGE WINE EDUCATION CENTER
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NAPA, CA 94558

NAPA VALLEY COLLEGE

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TLCD PROJECT NUMBER:
21062/2701.17

DATE:
3/3/2025

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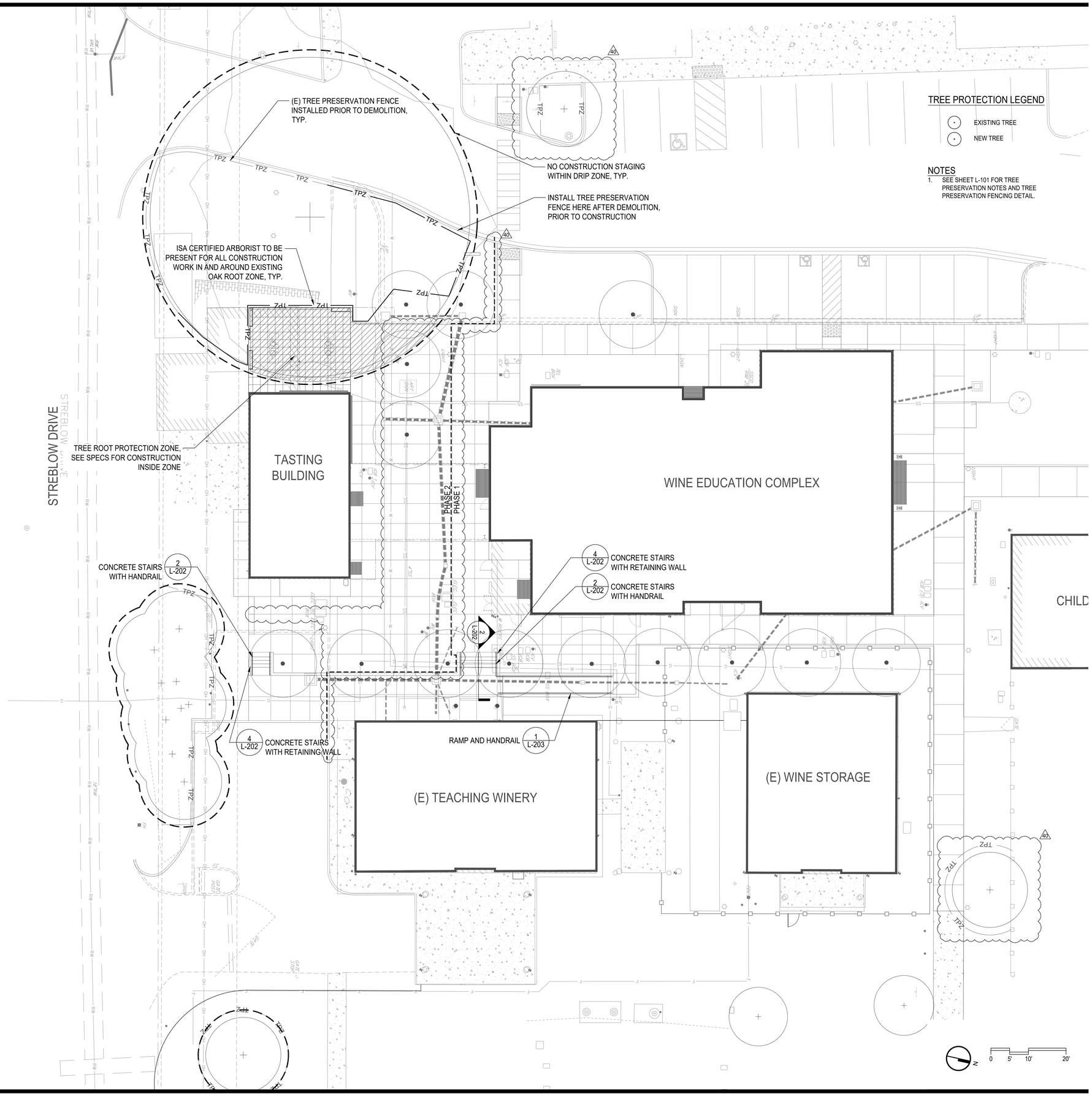
RG

PHASE 2 LAYOUT PLAN

C-204



6/3/2022 10:51:11 AM

AGENCY APPROVAL STAMP:

TLCDARCHITECTURE
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f: 707.525.5616
tlcd.com

CONSULTANT:
rhaa
Landscape Architecture & Planning
225 Miller Avenue, Mill Valley, CA 94941
T 415 383 7900 rhaa.com

STAMP:

LICENSED LANDSCAPE ARCHITECT Barbara Lundburg
Signature 08/04/2024
Renewal Date 08/30/2023
Date
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
40	3/3/2025	CCD 024 PH 2 SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

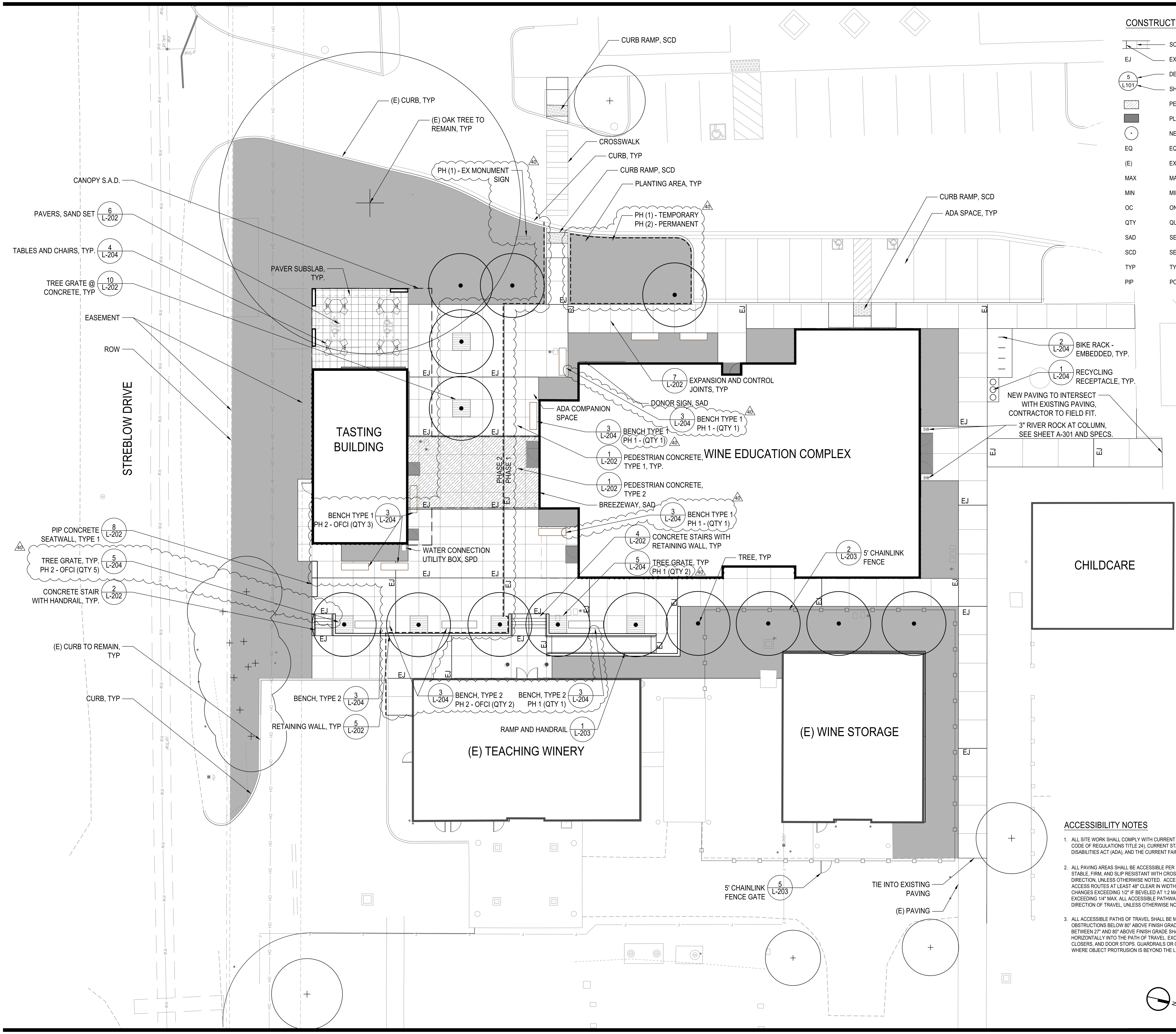
DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
08/30/2023

TREE PRESERVATION PLAN - PHASE 2

L-102



CONSTRUCTION LEGEND

(symbol)	SCORE JOINT, SCD
EJ	EXPANSION JOINT, SCD
5	DETAIL NUMBER
L101	SHEET NUMBER
(hatch)	PEDESTRIAN CONCRETE TYPE 2
(shade)	PLANTING AREA
(symbol)	NEW TREE
EQ	EQUAL
(E)	EXISTING
MAX	MAXIMUM
MIN	MINIMUM
OC	ON CENTER
QTY	QUANTITY
SAD	SEE ARCHITECTURAL DRAWINGS
SCD	SEE CIVIL DRAWINGS
TYP	TYPICAL
PIP	POURED IN PLACE

ACCESSIBILITY NOTES

1. ALL SITE WORK SHALL COMPLY WITH CURRENT CALIFORNIA BUILDING CODE (CALIFORNIA CODE OF REGULATIONS TITLE 24), CURRENT STANDARDS OF THE AMERICANS WITH DISABILITIES ACT (ADA), AND THE CURRENT FAIR HOUSING ACT DESIGN MANUAL.

2. ALL PAVING AREAS SHALL BE ACCESSIBLE PER TITLE 24. ALL PAVING SURFACES ARE TO BE STABLE, FIRM, AND SLIP RESISTANT WITH CROSS SLOPES NOT TO EXCEED 2% IN ANY DIRECTION, UNLESS OTHERWISE NOTED. ACCESSIBLE PATHS OF TRAVEL ARE BARRIER-FREE ACCESS ROUTES AT LEAST 48" CLEAR IN WIDTH AND WITHOUT ANY ABRUPT VERTICAL LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX. ALL ACCESSIBLE PATHWAYS SHALL BE SLOPED LESS THAN 5% IN THE DIRECTION OF TRAVEL, UNLESS OTHERWISE NOTED.

3. ALL ACCESSIBLE PATHS OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS BELOW 80" ABOVE FINISH GRADE. OBJECTS WITH LEADING EDGES LOCATED BETWEEN 27" AND 80" ABOVE FINISH GRADE SHALL NOT PROTRUDE MORE THAN 4" HORIZONTALLY INTO THE PATH OF TRAVEL. EXCEPTIONS INCLUDE HANDRAILS, DOOR CLOSERS, AND DOOR STOPS. GUARDRAILS OR OTHER BARRIERS SHALL BE PROVIDED WHERE OBJECT PROTRUSION IS BEYOND THE LIMITS ALLOWED.

6/3/2022 10:51:11 AM

AGENCY APPROVAL STAMP:

TLCD ARCHITECTURE
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CONSULTANT:

rhaa Landscape Architecture & Planning
225 Miller Avenue, Mill Valley, CA 94941
T 415 383 7900 rhaa.com

STAMP:

LICENSED LANDSCAPE ARCHITECT — Barbara D. Lundburg License ... 591 — Signature 08/04/2024 — Renewal Date 08/30/2023 — Date — STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
40	3/3/2025	CCD 024 PH 2 SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER
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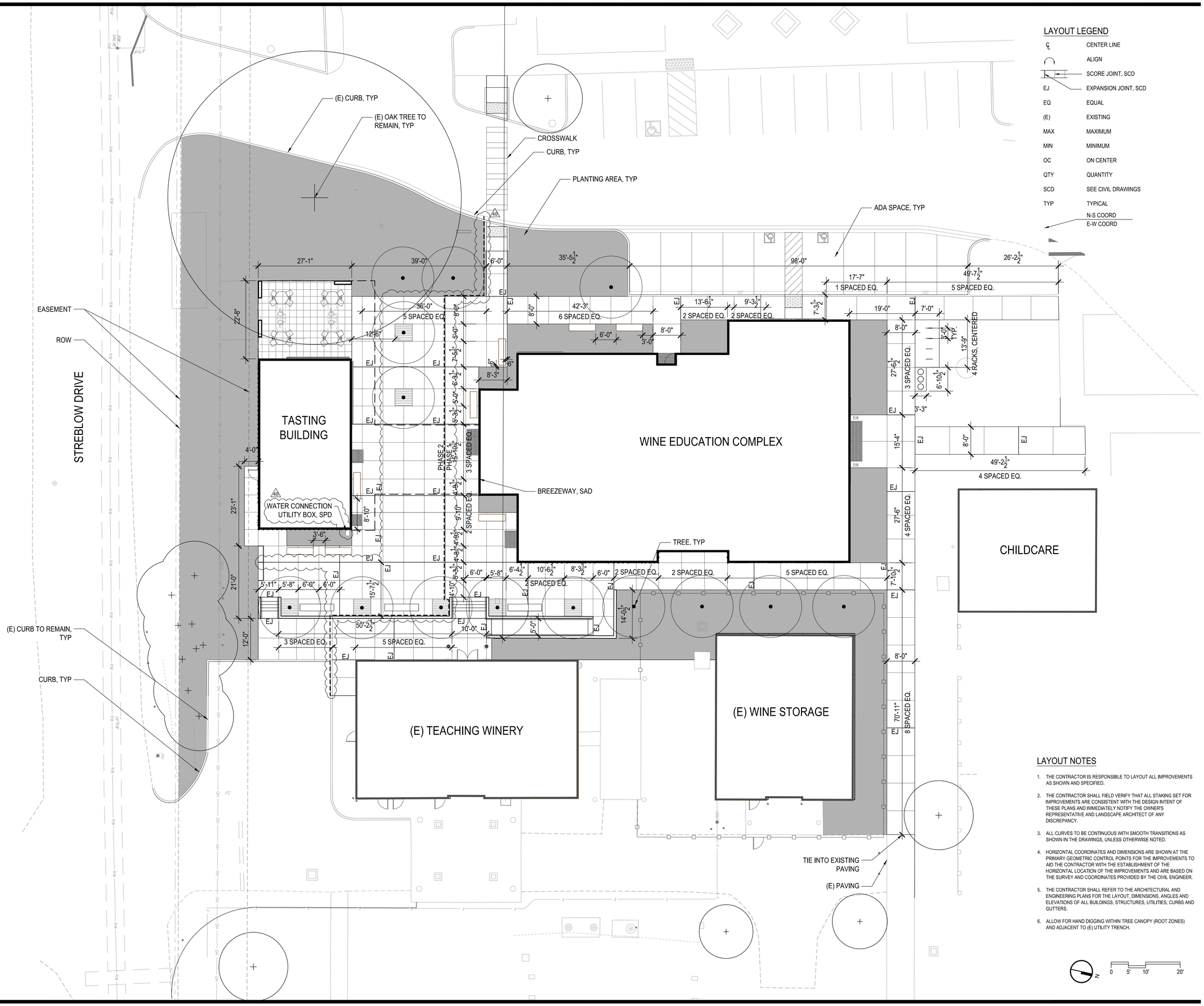
DSA APPLICATION NUMBER: 01-120890
TLCD PROJECT NUMBER: 21062.00
DATE: 08/30/2023

CONSTRUCTION PLAN

L-201



LAYOUT NOTES

1. THE CONTRACTOR IS RESPONSIBLE TO LAYOUT ALL IMPROVEMENTS AS SHOWN AND SPECIFIED.
2. THE CONTRACTOR SHALL FIELD VERIFY THAT ALL STAKING SET FOR IMPROVEMENTS ARE CONSISTENT WITH THE DESIGN INTENT OF THESE PLANS AND IMMEDIATELY NOTIFY THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT OF ANY DISCREPANCY.
3. ALL CURVES TO BE CONTINUOUS WITH SMOOTH TRANSITIONS AS SHOWN IN THE DRAWINGS, UNLESS OTHERWISE NOTED.
4. HORIZONTAL COORDINATES AND DIMENSIONS ARE SHOWN AT THE PRIMARY GEOMETRIC CONTROL POINTS FOR THE IMPROVEMENTS TO AID THE CONTRACTOR WITH THE ESTABLISHMENT OF THE HORIZONTAL LOCATION OF THE IMPROVEMENTS AND ARE BASED ON THE SURVEY AND COORDINATES PROVIDED BY THE CIVIL ENGINEER.
5. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND ENGINEERING PLANS FOR THE LAYOUT, DIMENSIONS, ANGLES AND ELEVATIONS OF ALL BUILDINGS, STRUCTURES, UTILITIES, CURBS AND GUTTERS.
6. ALLOW FOR HAND DIGGING WITHIN TREE CANOPY (ROOT ZONES) AND ADJACENT TO (E) UTILITY TRENCH.

N 0 5' 10' 20'

6/2/2022 10:51:11 AM

AGENCY APPROVAL STAMP:

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CONSULTANT:
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Landscape Architecture & Planning
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T 415 383 7900 rhaa.com

STAMP:

LICENSED LANDSCAPE ARCHITECT — Signature — 08/04/2024 — Renewal Date — 08/30/2023 — Date — STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
40	3/3/2025	CCD 024 PH 2 SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER: 01-120890
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LAYOUT PLAN

L-301

POC AT EX. 2" WATER METER, S.C.D.
FLOW SENSOR
MASTER VALVE
M
FS
MV
GATE VALVE, TYP
2" MAINLINE
(E) OAK TREE TO REMAIN, TYP
FLUSH VALVE, TYP.
DRIP IRRIGATION, TYP
PH (1) - EX MONUMENT SIGN
PH (1) - STUB AND CAP MAIN LINE AT 5FT
A4 3.1 1"
PH 1 - TEMPORARY, IRRIGATION SLEEVES
PH 2 - SOIL PREP, IRRIGATION, PLANTING
IRRIGATION CONTROLLER
5 A2 1"
11.7 A1 1"
PH 1 - IRRIGATION SLEEVES
A6 2.6 1"
A3 4.5 1"
A5 2.8 1"
AW
EASEMENT
ROW
STREBLOW DRIVE
TASTING BUILDING
PHASE 2
PHASE 1
WINE EDUCATION COMPLEX
BREEZEWAY, S.A.D.
WATER CONNECTION UTILITY BOX, SPD
TREE, TYP
CHILDCARE
(E) OAK TREES TO REMAIN, TYP
PH 1 - STUB LATERAL TO TREE WELL & CAP
TREE BUBBLER, 2 PER TREE
A7 9.3 1"
A8 9.0 1"
(E) TEACHING WINERY
(E) WINE STORAGE

N
0 5' 10' 20'

6/2/2022 10:51:11 AM

AGENCY APPROVAL STAMP:

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LICENSED LANDSCAPE ARCHITECT
Barbara Lundburg
Signature Date: 08/04/2023
Renewal Date: 08/30/2023
STATE OF CALIFORNIA

REVISIONS:

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08/30/2023

IRRIGATION PLAN

L-401

STREBLOW DRIVE

MULCH AT (E) OAK TREE, SEE SPECS

(E) OAK TREE TO REMAIN, TYP.

40 | GRE NOE

27 | LEY CON

PH (1) - EX MONUMENT SIGN

14 | GRE NOE

40

PH 1 - TEMPORARY MATERIAL OR WEED BLOCK / MULCH
PH 2 - RE-TILL; SOIL TREATMENT, PLANTING

14 | LEY CON

5 | TRI LAU

15 | GRE NOE

11 | RUB ROL

18 | FRA MOU

EASEMENT

33 | LEY CON

ROW

TASTING BUILDING

9 | FES MAI

9 | GRE NOE

10 | PIT TOB

3 | GRE NOE

4 | FES MAI

6 | FRA MOU

17 | FES MAI

WINE EDUCATION COMPLEX

PHASE 2
PHASE 1

5 | FRA MOU

17 | FES MAI

CHILDCARE

16 | RUB ROL

40

WATER CONNECTION UTILITY BOX, SPD

13 | PIT TOB

8 | PIT TOB

9 | ULM PAR

(E) OAK TREES

MULCH AT (E) OAK TREES, SEE SPECS

13 | LEY CON

51 | PIT TOB

(E) TEACHING WINERY

(E) WINE STORAGE

69 | RIB VIB

24 | PIT TOB

TIE INTO EXISTING PAVING

(E) PAVING

N

0 5' 10' 20'

6/3/2022 10:51:11 AM

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LICENSED LANDSCAPE ARCHITECT — Barbara Lundburg Libby — Signature Date: 08/04/2024 — Renewal Date: 08/30/2023 — Date — STATE OF CALIFORNIA

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NAPA VALLEY COLLEGE

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21062.00

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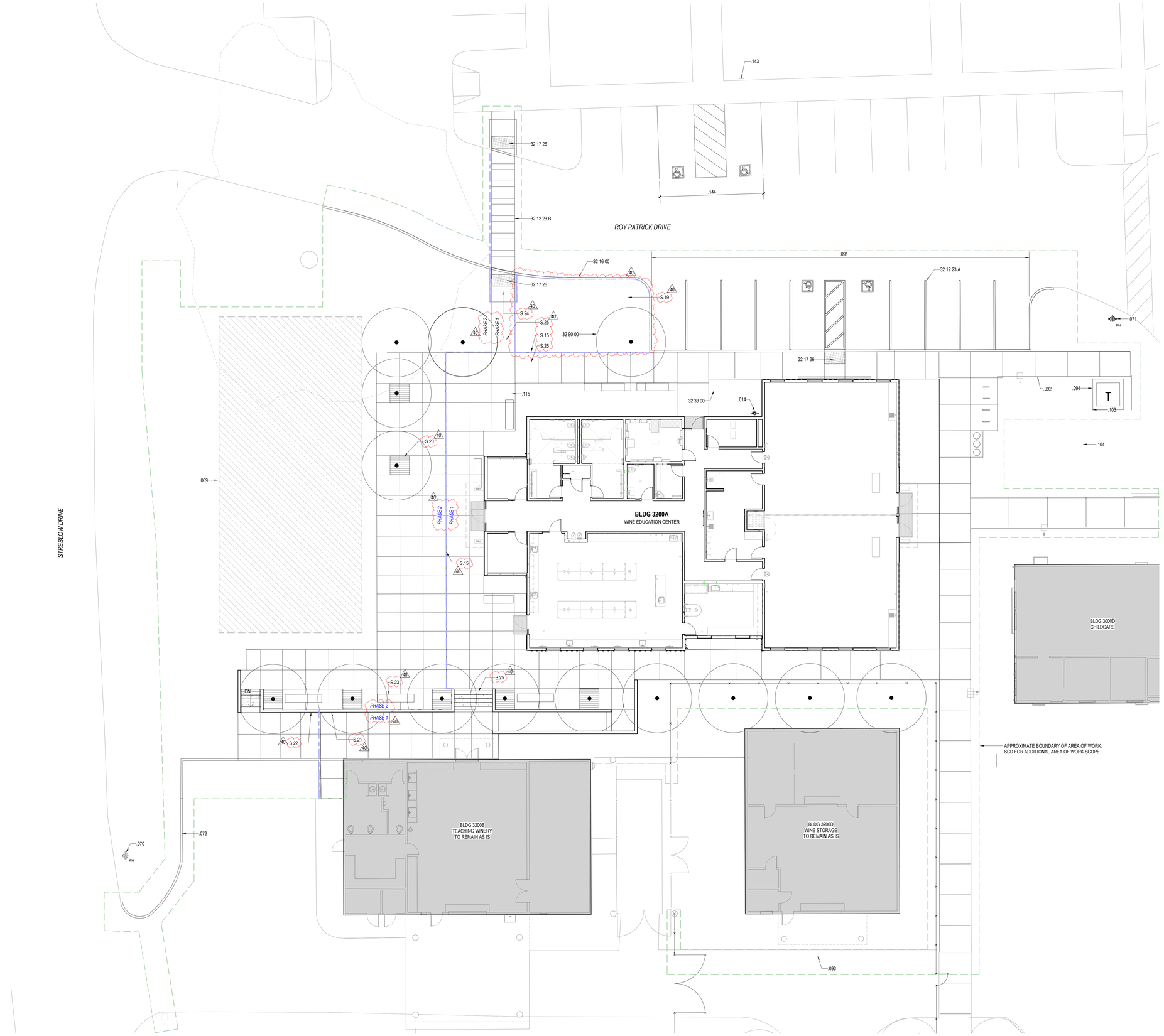
08/30/2023

PLANTING PLAN

L-501



GENERAL SITE PLAN NOTES

A. SEE SHT G-002 FOR TWO NEW UNAUTHORIZED PARKING SIGNS TO BE INSTALLED (SITE DRAWING NOTE S.13) AS PART OF THE SCOPE OF NEW WORK.

B. SEE SHT G-002 FOR NEW WORK AT EXISTING PASSENGER DROP-OFF AREA (SITE DRAWING NOTE S.05) AS PART OF THE SCOPE OF NEW WORK.

REFERENCE KEYNOTE

32 12 23.A	PAVEMENT MARKINGS AND SIGNS - PARKIKNG STRIPING, SCD
32 12 23.B	PAVEMENT MARKINGS AND SIGNS - CROSSWALK MARKING, SCD
32 16 00	CONCRETE CURB, GUTTER AND SIDEWALKS, SCD
32 17 26	CAST CONCRETE DETECTIBLE/TACTILE WARNING, SCD
32 33 00	SITE FURNISHINGS, SLD
32 90 00	PLANTING, SLD
S.15	PHASE LINES DELINEATE SCOPE OF CONSTRUCTION FOR PHASE 1 CONTRACTOR VS PHASE 2 CONTRACTOR - REFER TO OTHER DRAWINGS FOR ADDITIONAL INFORMATION AND EXCEPTIONS WHERE NOTED
S.19	REMOVE LANDSCAPE IRRIGATION AND PLANTING FROM PHASE 1 WORK - PROVIDE TEMPORARY WEED BARRIER AND MULCH IN PHASE 1 WORK- SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.20	PHASE 1 CONTRACTOR TO DELIVER PURCHASED TREE GRATES TO OWNER FOR STORAGE - PHASE 2 CONTRACTOR TO OBTAIN TREE GRATES FROM OWNER AND INSTALL - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION - TYP
S.21	RETAINING WALL IN PHASE 1 SCOPE THIS SIDE OF PHASE LINE - SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.22	RETAINING WALL IN PHASE 2 SCOPE THIS SIDE OF PHASE LINE - SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.23	PHASE 1 CONTRACTOR TO DELIVER PURCHASED BENCHES TO OWNER FOR STORAGE - PHASE 2 CONTRACTOR TO OBTAIN BENCHES FROM OWNER AND INSTALL - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION - TYP
S.24	PAVEMENT PATHWAY INCLUDED IN PHASE 1 SCOPE - SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.25	PHASE 1 CONTRACTOR - PROVIDE PVC UTILITY SLEEVES AS NECESSARY TO ALLOW FUTURE IRRIGATION PIPING AND CONTROL WIRING TO PASS BELOW PAVEMENT - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION

DRAWING NOTES

.014	FIRE RESISTIVE FRAMING ASSEMBLY WITH HIGH PERFORMANCE INSULATION AT EXTERIOR WALLS - SEE A-502
.069	PREFABRICATED CANOPY STRUCTURE - SEE A-502
.070	(E) FIRE HYDRANT
.071	(N) FIRE HYDRANT
.072	(N) CONCRETE CURB, SCD, TYP
.091	(N) PAVING AND PAVEMENT MARKINGS, SCD FOR LIMITS AND SCOPE OF WORK
.092	(N) CONCRETE PAVERS, SCD AND SLD, TYP
.093	(N) FINISH GRADE (SLOPE) PER CIVIL
.094	(N) TRANSFORMER PAD (SCD FOR ADDITIONAL INFORMATION)
.103	(N) BIKE RACKS, SLD
.104	(N) RECYCLE CONTAINERS, SLD
.115	TREE GRATE(S), SLD
.143	INSTALL (N) ACCESSIBLE PARKING SIGN, SEE C-502
.144	(N) PAVING AND PAVEMENT MARKINGS, SCD FOR LIMITS AND SCOPE OF WORK

SITE DRAWING NOTES

S.15	PHASE LINES DELINEATE SCOPE OF CONSTRUCTION FOR PHASE 1 CONTRACTOR VS PHASE 2 CONTRACTOR - REFER TO OTHER DRAWINGS FOR ADDITIONAL INFORMATION AND EXCEPTIONS WHERE NOTED
S.19	REMOVE LANDSCAPE IRRIGATION AND PLANTING FROM PHASE 1 WORK - PROVIDE TEMPORARY WEED BARRIER AND MULCH IN PHASE 1 WORK- SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.20	PHASE 1 CONTRACTOR TO DELIVER PURCHASED TREE GRATES TO OWNER FOR STORAGE - PHASE 2 CONTRACTOR TO OBTAIN TREE GRATES FROM OWNER AND INSTALL - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION - TYP
S.21	RETAINING WALL IN PHASE 1 SCOPE THIS SIDE OF PHASE LINE - SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.22	RETAINING WALL IN PHASE 2 SCOPE THIS SIDE OF PHASE LINE - SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.23	PHASE 1 CONTRACTOR TO DELIVER PURCHASED BENCHES TO OWNER FOR STORAGE - PHASE 2 CONTRACTOR TO OBTAIN BENCHES FROM OWNER AND INSTALL - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION - TYP
S.24	PAVEMENT PATHWAY INCLUDED IN PHASE 1 SCOPE - SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.25	PHASE 1 CONTRACTOR - PROVIDE PVC UTILITY SLEEVES AS NECESSARY TO ALLOW FUTURE IRRIGATION PIPING AND CONTROL WIRING TO PASS BELOW PAVEMENT - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION

1 PARTIAL SITE PLAN - PHASE 1
1" = 10'-0"

3/3/2025 12:40:13 PM

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REVISIONS:

Number	Date	Description
3	4/18/24	ADDENDUM 3
40	3/3/25	CCD 024 PH 2 BID SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
04/12/2023

PARTIAL SITE PLAN - PHASE 1

A-102

REFERENCE KEYNOTE

32 13 12	LANDSCAPE CONCRETE, SLD
32 14 12	CONCRETE UNIT PAVING, SLD
32 33 00	SITE FURNISHINGS, SLD
S.15	PHASE LINES DELINEATE SCOPE OF CONSTRUCTION FOR PHASE 1 CONTRACTOR VS PHASE 2 CONTRACTOR - REFER TO OTHER DRAWINGS FOR ADDITIONAL INFORMATION AND EXCEPTIONS WHERE NOTED
S.20	PHASE 1 CONTRACTOR TO DELIVER PURCHASED TREE GRATES TO OWNER FOR STORAGE - PHASE 2 CONTRACTOR TO OBTAIN TREE GRATES FROM OWNER AND INSTALL - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION - TYP
S.22	RETAINING WALL IN PHASE 2 SCOPE THIS SIDE OF PHASE LINE - SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.23	PHASE 1 CONTRACTOR TO DELIVER PURCHASED BENCHES TO OWNER FOR STORAGE - PHASE 2 CONTRACTOR TO OBTAIN BENCHES FROM OWNER AND INSTALL - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION - TYP
S.25	PHASE 1 CONTRACTOR - PROVIDE PVC UTILITY SLEEVES AS NECESSARY TO ALLOW FUTURE IRRIGATION PIPING AND CONTROL WIRING TO PASS BELOW PAVEMENT - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.27	STAIR AND RAILINGS BY PHASE 2 CONTRACTOR - SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
.092	(N) CONCRETE PAVING AND RELOCATION
.131	ENTIRE BENCH TO BE CONSTRUCTED IN PHASE 2 WORK

DRAWING NOTES

SITE DRAWING NOTES

S.15	PHASE LINES DELINEATE SCOPE OF CONSTRUCTION FOR PHASE 1 CONTRACTOR VS PHASE 2 CONTRACTOR - REFER TO OTHER DRAWINGS FOR ADDITIONAL INFORMATION AND EXCEPTIONS WHERE NOTED
S.20	PHASE 1 CONTRACTOR TO DELIVER PURCHASED TREE GRATES TO OWNER FOR STORAGE - PHASE 2 CONTRACTOR TO OBTAIN TREE GRATES FROM OWNER AND INSTALL - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION - TYP
S.22	RETAINING WALL IN PHASE 2 SCOPE THIS SIDE OF PHASE LINE - SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
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S.25	PHASE 1 CONTRACTOR - PROVIDE PVC UTILITY SLEEVES AS NECESSARY TO ALLOW FUTURE IRRIGATION PIPING AND CONTROL WIRING TO PASS BELOW PAVEMENT - SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
S.27	STAIR AND RAILINGS BY PHASE 2 CONTRACTOR - SEE CIVIL AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION

3/3/2025 12:53:00 PM

1 **PARTIAL SITE PLAN - PHASE 2**
1" = 10'-0"

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REVISIONS:

Number	Date	Description
3	4/18/24	ADDENDUM 3
40	3/3/25	CCD 024 PH 2 BID SCOPE CLARIFICATIONS

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01-120890

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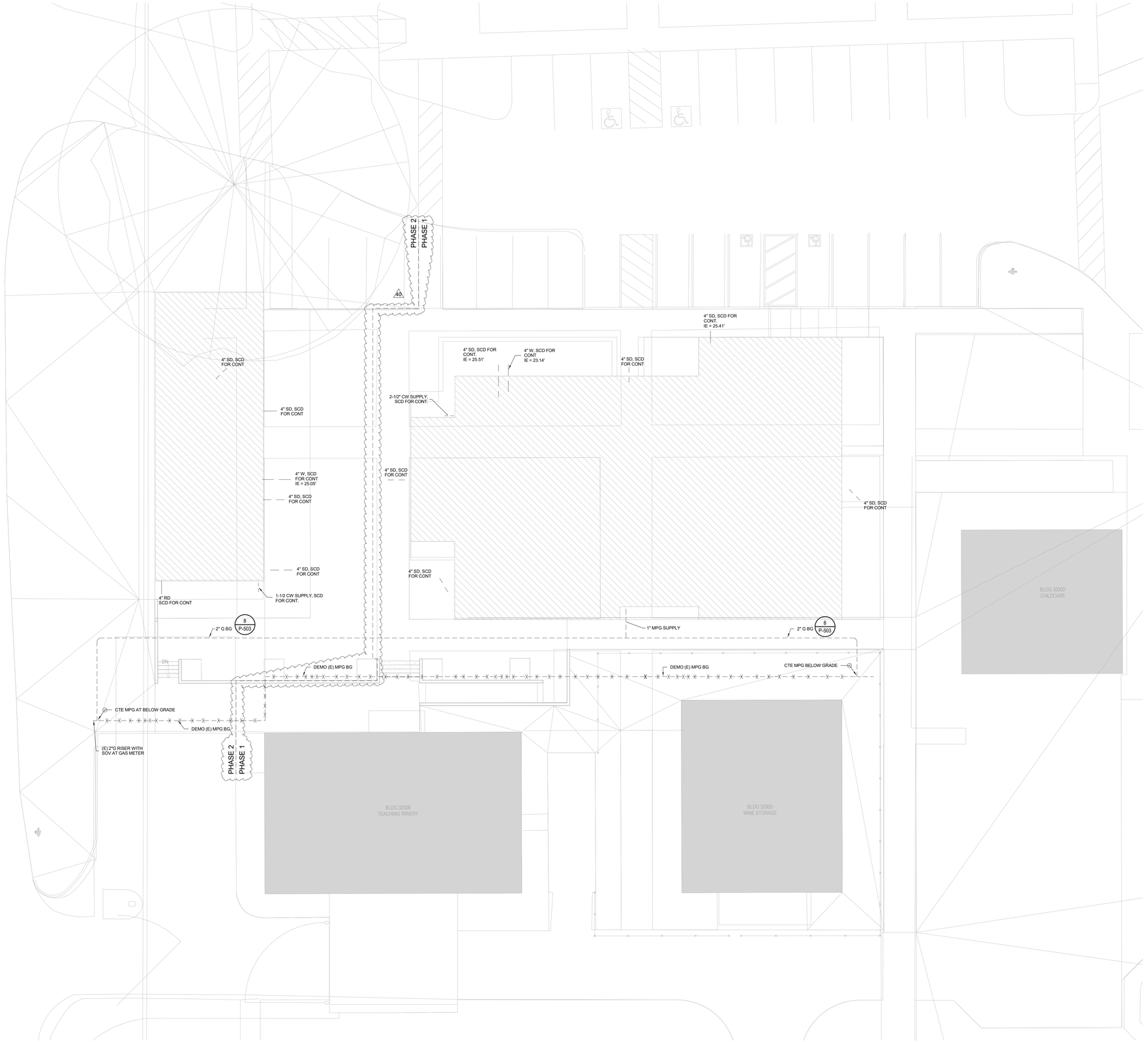
21062.00

DATE:
04/12/2023

PARTIAL SITE PLAN - PHASE 2

A-103



1 PLUMBING SITE COORDINATION PLAN

1" = 10'-0"

2/7/2025 4:57:12 PM

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REGISTERED PROFESSIONAL ENGINEER
M. D SOUZA
M29511
Exp.Date 6-30-25
MECHANICAL
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
40	3/3/25	CCD 024 PH 2 SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

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NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER

TEP PROJECT NUMBER:
TEP #3650

DATE:
10/11/2023

PLUMBING SITE COORDINATION PLAN

P-101

MECHANICAL SYMBOLS

SYMBOL	ABBREVIATION	DESCRIPTION
	CD	SUPPLY DIFFUSER
	RAG, EAG	RETURN/EXHAUST AIR GRILLE
	VD	VOLUME DAMPER
14x12		DUCT SIZE, FIRST NUMBER IS IN PLANE OF PAGE
14x12L	L	LINED DUCTWORK
		DEMOLITION
		TURNING VANES
	FC	FLEXIBLE CONNECTION
	FD	FIRE OR FIRE SMOKE DAMPER
		SUPPLY DUCT UP
		RETURN/EXHAUST DUCT UP
T	T	THERMOSTAT
	POC	POINT OF CONNECTION
SD	SD	DUCT SMOKE DETECTOR
M		MOTOR-ACTUATOR
	AFF	ABOVE FINISHED FLOOR
	BDD	BACK DRAFT DAMPER
	CTE	CONNECT TO EXISTING
	DE	DRYER EXHAUST
	DG	DOOR GRILLE
	DN	DOWN
	DWG	DRAWING
	(E)	EXISTING
	FLA	FULL LOAD AMPS
	GSM	GALVANIZED SHEET METAL
	IJS	IN JOIST SPACE
	KE	KITCHEN EXHAUST
	MBH	THOUSAND BTU PER HOUR
	MCA	MINIMUM CIRCUIT AMPS
	MOCP	MAXIMUM OVER CURRENT PROTECTION
	NTS	NOT TO SCALE
	OA	OUTSIDE AIR
	(RE)	RELOCATE EXISTING
	RL	REFRIGERANT LIQUID
	RS	REFRIGERANT SUCTION
	SAD	SEE ARCHITECTURAL DRAWINGS
	SCD	SEE CIVIL DRAWINGS
	SDS	SELF DRILLING SCREW (SIMPSON STRONG TIE)
	SED	SEE ELECTRICAL DRAWINGS
	SFD	SEE FOOD SERVICE DRAWINGS
	SHD	SEE HYDRONIC DRAWINGS
	SMD	SEE MECHANICAL DRAWINGS
	SMS	SHEET METAL SCREW
	SPD	SEE PLUMBING DRAWINGS
	SSD	SEE STRUCTURAL DRAWINGS
	TYP	TYPICAL
	U/C	UNDERCUT DOOR 5/8"
	UON	UNLESS OTHERWISE NOTED
	VD	VOLUME DAMPER
	VIF	VERIFY IN FIELD
	VTR	VENT THROUGH ROOF

MECHANICAL EQUIPMENT SCHEDULE - PHASE 1

MARK	SERVING	MAKE / MODEL	DESCRIPTION	ACCESSORIES / OPTIONS	COOLING CAPACITY	HEATING CAPACITY	AIRFLOW / PRESSURE	Min. OA CFM	NOTES	VOLTS	PH	FLA	MCA	MOCP	WEIGHT
BC-1	N/A	MITSUBISHI CMB-P1008NU-JA1	Main Branch Controller with 8 branches	BV Series ball valves for each branch connection						208 V	1 P			15 A	125 LBS
C	N/A	MITSUBISHI unit controller	See fan coil system description for model						Install devices such that all controls are within 48" of the finished floor.						
CN-1	N/A	Mitsubishi EW-50A and Software, PAC-SC51KUA Power supply BacNet interface	Centralized Controller for up to 50 fan coils with PC Monitoring with BacNet interface, power supply							208/230 V	1 P	1 A			
HP-1	N/A	MITSUBISHI PURY-EP96TNU-A	Nominal 8 ton outdoor high efficiency heat pump Unit, Variable Refrigerant Flow Zoning system, Heat Recovery unit		96.0 MBH @ 95 F (ARI), 13.7 EER, 26.5 IEER	108.0 MBH @ 47 F (ARI), 3.94 COP, 23.5 SCHE				208 V	3 P		31 A	45 A	613 LBS
L-1		GREENHECK ESD-202	2" Deep J Blade Louver, 0.063" 6063T5 aluminum construction, 37% free area	INTERIOR BIRD SCREEN, MILL FINISH (prime and paint in field to match wall color)											
FC-1	SENSORY PREP 114-2	MITSUBISHI PEFY-P12NMAU-E4	Nominal 1 ton Horizontal ducted fan coil, Medium static	FBM FILTER BOX WITH MERV 13 AIR FILTER, PAR-CT01MAU-SB MA CONTROLLER, DPLS1 DRAIN PAN LEVEL SENSOR/ WIRE HARNESS	12.0 MBH	13.5 MBH	318 CFM @ 0.6"WC	50 CFM	Program fan for "MED" speed	208/230 V	1 P		2.13 A	15 A	70 LBS
FC-2	LAB PREP 105-2	MITSUBISHI PEFY-P24NMAU-E4	Nominal 2 ton Horizontal ducted fan coil, Medium static	FBM FILTER BOX WITH MERV 13 AIR FILTER, PAR-CT01MAU-SB MA CONTROLLER, DPLS1 DRAIN PAN LEVEL SENSOR/ WIRE HARNESS	24.0 MBH	27.0 MBH	742 CFM @ 0.6"WC	130 CFM	Program fan for "MED" speed	208/230 V	1 P		2.88A	15 A	70 LBS
FC-3, FC-4	OFFICE 102-2, OFFICE 103-2	MITSUBISHI PLFY-EP12NEMU-ER1	Nominal 1 ton ductless 4-way ceiling cassette, built in condensate lift, occupancy detection	PAR-CT01MAU-SB MA CONTROLLER, MULTI FUNCTION CASEMENT WITH MERV 13 FILTER.	12.0 MBH	13.5 MBH	494 CFM (LOW)	30 CFM (SUPPLIED BY SF-1)	Program fan for "LOW" speed	208/230 V	1 P		0.39 A	15 A	46 LBS
FC-5	HALL & RESTROOMS	MITSUBISHI PEFY-P36NMAU-E4	Nominal 3 ton Horizontal ducted fan coil, Medium static	FBM FILTER BOX WITH MERV 13 AIR FILTER, PAR-CT01MAU-SB MA CONTROLLER, DPLS1 DRAIN PAN LEVEL SENSOR/ WIRE HARNESS	36.0 MBH	40.0 MBH	1077 CFM @ 0.6"WC	310 CFM	Program fan for "MED" speed	208/230 V	1 P		3.4 A	15 A	110 LBS
OU-1, OU-2	ELEC & BDF ROOMS	MITSUBISHI PUZ-A24HKA7	Nominal 2 ton split system heat pump, ductless high wall fan coil, quiet operation, microprocessor control. condensing unit, low sound level, side discharge, inverter driven scroll compressor.	WIND BAFFLE, M-NET COMMUNICATION	24.0 MBH AT ARI; 21.4 SEER, 12.2 EER	26.0 MBH (47 F), 15.7 MBH (17 F) at ARI; 11.0 HSPF, 4.35 COP (47 F), 2.62 COP (17 F)				208 V	1 P		19 A	26 A	153 LBS
IU-1, IU-2		MITSUBISHI PKA-A24NHA7	Nominal 2 ton ductless high wall fan coil	PAR-CT01MAU-SB HARD WIRED CONTROLLER (THERMOSTAT) DPLS2 DRAIN PAN LEVEL SENSOR/ WIRE HARNESS, REFCO GOBI II CONDENSATE PUMP			775 CFM (HIGH)	0 CFM	Refrigerant piping: 5/8" suction, 3/8" liquid (max 100 feet)	208 V	1 P	0.4 A	1 A	15 A	46 LBS
RTU-1	WINE LAB 104	TRANE WHC074	Nominal 6 ton high efficiency packaged rooftop heat pump unit	18 KW (13.5 KW @ 208 V) supplementary heater, Curb: CanFab 6042-IC11A-CBC Seismically calculated spring isolation welded construction, 11" Base height, 24.5" finish curb height; Economizer: CanFab 6144-MPE24B-1F Modulating Power Exhaust with Trane dual dry bulb Reliatel controls, BACnet controls interface. Filters: 2" MERV 13.	78.0 MBH @ ARI, 12.1 EER, 15.5 IEER	75.0 MBH @ 47 F ARI, 6.28 KW, 3.5 COP, 40.0 MBH @ 17 F ARI 5.21 KW / 2.25 COP	2400 CFM @ 1.0" ESP, 1.01 BHP	460 CFM	Unit: 1,218-LBS; Economizer: 331-LBS; Isolation Curb: 474-LBS	208 V	3 P		89 A	90 A	2,023 LBS
									Power exhauster >>>	208 V	3 P	2.9 A	3.6 A	6.5 A	
RTU-2, RTU-3	SENSORY 118, SENSORY 120	TRANE WHC060	Nominal 5 ton high efficiency packaged rooftop heat pump unit	12 KW (9.0 KW @ 208 V) supplementary heater, Curb: CanFab 6042-IC11A-CBC Seismically calculated spring isolation welded construction, 11" Base height, 24.5" finish curb height; Economizer: CanFab 6142-MPE20B-1F Modulating Power Exhaust with Trane dual dry bulb Reliatel controls, BACnet controls interface. Filters: 2" MERV 13.	61.0 MBH TC, 48.93 MBH SC, 13.0 EER, 16.4 SEER, 12.5 EER2, 16.1 SEER2	57.0 MBH @ 47 F: 4.64 KW / 3.60 COP, 4.14 KW / 3.60 COP2 34.4 MBH @ 17 F: 4.38 KW, 2.30 COP, 3.98 KW, 2.30 COP2	1,990 CFM @ 0.75" ESP, 0.67 BHP	440 CFM	Unit: 1,067-LBS; Economizer: 331-LBS; Isolation Curb: 474-LBS	208 V	3 P		63 A	70 A	1,872 LBS
									Power exhauster >>>	208 V	3 P	2.9 A	3.6 A	6.5 A	
SC		GREENHECK 385803	VAR-GREEN remote fan speed controller												
SD	N/A	Furnished and wired to fire alarm by Fire Alarm contractor, mounted and wired to unit by Mechanical contractor	Duct mounted smoke detector						Wire to shut down unit upon detection of products of combustion. Connect auxiliary contact to Fire alarm system						
ST-1	LAB HOOD	FANTECH LD 12	Duct Silencer Sound Trap for circular ducts, 2" insulation, 22 gauge galvanized steel outer shell, perforated inner liner												44 LBS
T & TC	N/A	Delta Controls enteliZONE	Wall mounted zone controller with optional CO2 sensor (at TC)	Provide eZNS controller where needed to interface with unit.											

FAN SCHEDULE - PHASE 1

MARK	SERVING	MAKE / MODEL	DESCRIPTION	ACCESSORIES	AIRFLOW	RPM	SOUND LEVEL	NOTES	VOLTS	PHASE	FLA	MOTOR HP	WEIGHT
EF-1	RESTROOMS	GREENHECK CUE-100-VG	Direct drive roof mounted upblast exhaust fan, backwards incline wheel, Spun Aluminum housing, Vari-green variable speed EC motor, disconnect switch	12" GPF roof curb, backdraft damper	800 CFM @ 0.5"WC	1304 FRPM	6.9 Sones, 54 dBA	Wire to operate from controls time clock	120 V	1 P	4 A	1/4 HP	65 Lbs
EF-2, EF-3	SENSORY PREP, VIT PREP	GREENHECK CUE-095-VG	Direct drive roof mounted upblast exhaust fan, backwards incline wheel, Spun Aluminum housing, Vari-green variable speed EC motor, disconnect switch	12" GPF roof curb, backdraft damper, wall speed controller switch (tag SC on plan)	300 CFM @ 0.4"WC	1212 FRPM	5.9 Sones, 50 dBA	Wire to wall switch.	120 V	1 P	3 A	1/6 HP	50 Lbs
EF-4	WINE LAB	GREENHECK CUE-140-VG	Direct drive roof mounted upblast exhaust fan, backwards incline wheel, Spun Aluminum housing, Vari-green variable speed EC motor, disconnect switch, wall speed control switch	12" GPF roof curb, backdraft damper, wall speed controller switch (tag SC on plan)	1,200 CFM @ 0.4"WC	931 FRPM	7.5 Sones, 55 dBA	Wire to wall switch	120 V	1 P	4 A	1/4 HP	54 Lbs
EF-6	ELECT 111	GREENHECK CUE-095-VG	Direct drive roof mounted upblast exhaust fan, backwards incline wheel, Spun Aluminum housing, Vari-green variable speed EC motor, disconnect switch	14" GPF roof curb, backdraft damper	600 CFM @ 0.2"WC	1193 FRPM	5.5 Sones, 49 dBA	Connect to operate from room smoke detector or wall switch	120 V	1 P	3 A	1/6 HP	50 Lbs
IH-6		GREENHECK GRS-12	Roof mounted intake hood, spun aluminum construction, intake birdscreen	14" GPF roof curb, 12x12 motorized spring return backdraft damper									18 Lbs
HE-1	VIT LAB HOOD	GREENHECK VEKTO-H-10-M10-X	Fume exhaust system with high plume discharge, curb mounted, outdoor weatherized, constant volume with motorized bypass air plenum, steel construction with coating, NEMA 3R disconnect switch, UL-705 rated, direct drive, NEMA premium efficient VFD rated motor with sealed for life bearings, sure-flow flow station, factory vibration tested, 1 year warranty	Permatector coating, NEMA premium efficient TEFC motor with 1.15-SF, fan vibration and status monitoring system (24 VAC), 2 position motorized bypass damper, 12" roof curb	830 CFM @ 0.6"WC @ 210 CFM MIN (620 CFM BYPASS)	2761 FRPM	69 dBA	To operate continuously	208 V	3 P		1 HP	431 Lbs
SF-1	OFFICE OA	PANASONIC FV-15NLFS1	Inline fresh air supply fan, ECM motor with 9 speed settings, quiet operation, Energy star rated, 3 year warranty, 6 year motor warranty, MERV 13 air filter.	Backdraft damper	60 CFM @ 0.3" WC		2 Sones	To operate with fan coils, see controls diagram.	120 V	1 P	0.5 A		20 Lbs.

MECHANICAL EQUIPMENT SCHEDULE - PHASE 2

MARK	SERVING	MAKE / MODEL	DESCRIPTION	ACCESSORIES / OPTIONS	COOLING CAPACITY	HEATING CAPACITY	AIRFLOW / PRESSURE	Min. OA CFM	NOTES	VOLTS	PH	FLA	MCA	MOCP	WEIGHT
RTU-4	TASTING	TRANE WHC060	Nominal 5 ton high efficiency packaged rooftop heat pump unit	12 KW (10.4 KW @ 208 V) supplementary heater, Curb: CanFab 6042-IC11A-CBC Seismically calculated spring isolation welded construction, 11" Base height, 24.5" finish curb height; Economizer: CanFab 6142-MPE20B-1F Modulating Power Exhaust with Trane dual dry bulb Reliatel controls, BACnet controls interface. Filters: 2" MERV 13.	61.0 MBH TC, 48.93 MBH SC, 13.0 EER, 16.4 SEER, 12.5 EER2, 16.1 SEER2	57.0 MBH @ 47 F: 4.64 KW / 3.60 COP, 4.14 KW / 3.60 COP2 34.4 MBH @ 17 F: 4.38 KW, 2.30 COP, 3.98 KW, 2.30 COP2	1,990 CFM @ 0.75" ESP, 0.67 BHP	440 CFM	Unit: 1,067-LBS; Economizer: 331-LBS; Isolation Curb: 474-LBS	208 V	3 P		63 A	70 A	1,872 LBS
									Power exhauster >>>	208 V	3 P	2.9 A	3.6 A	6.5 A	

FAN SCHEDULE - PHASE 2

MARK	SERVING	MAKE / MODEL	DESCRIPTION	ACCESSORIES	AIRFLOW	RPM	SOUND LEVEL	40 NOTES	VOLTS	PHASE	FLA	MOTOR HP	WEIGHT
EF-5	TASTING PREP	GREENHECK CUE-080-VG	Direct drive roof mounted upblast exhaust fan, backwards incline wheel, Spun Aluminum housing, Vari-green variable speed EC motor, disconnect switch	12" GPI roof curb, backdraft damper	300 CFM @ 0.35"WC	1492 FRPM	6.8 Sones, 54 dBA	Wire to operate from controls time clock	120 V	1 P	2 A	1/10 HP	43 Lbs

AIR OUTLET SCHEDULE

Mark	Make / Model	Alt Manufacturer	Description
CD-1, CD-1D	TITUS OMNI, BORDER 3 (NT AT NARROW T-BAR)	PRICE OR KREUGER	PANEL FACE, STEEL CONSTRUCTION, 24x24 T-BAR LAYIN, PROVIDE WITH DEFLECTORS WHERE DIRECTED BLOW PATTERN IS SHOWN ON PLANS.
CR-1, CR-1D	TITUS 355RL, BORDER 3 (NT AT NARROW T-BAR)	PRICE OR KREUGER	STEEL CONSTRUCTION, LOUVERED BLADES ON 1/2" CENTERS, 24x24 T-BAR LAYIN.
CE-1, CE-1D, CR-2, CR-2D, EG-1, EG-1D	TITUS 355RL, BORDER 1	PRICE OR KREUGER	STEEL CONSTRUCTION, LOUVERED BLADES ON 1/2" CENTERS, SURFACE MOUNT, OPPOSED BLADE DAMPER (AT CE-1D, CR-2D, EG-1D)
LD-1, LR-1	TITUS CT-480, BORDER TYPE 12, TYPE C FASTENERS	PRICE OR KREUGER	SIDEWALL MOUNT, ALUMINUM CONSTRUCTION, LINEAR BAR GRILLE 1/4" BLADE SPACING, CONCEALED FASTENERS, ANODIZED FINISH (COLOR TO BE SELECTED BY ARCHITECT FROM STANDARD TITUS COLORS)
SG-1, SG-1D	TITUS 272FL, BORDER 1	PRICE OR KREUGER	ALUMINUM CONSTRUCTION, AEROBLADES ON 3/4" CENTERS, OPPOSED BLADE DAMPER (AT SG-1D)

DUCTING MATERIALS SCHEDULE

SEE SPECIFICATIONS SECTION 23 00 00 FOR COMPLETE REQUIREMENTS

OUTSIDE AIR, SUPPLY, RETURN AIR DUCTS	OUTDOORS	RECTANGULAR	SHOP FABRICATED PER SMANCA AND MINIUM 20 GAUGE GALVANIZED SHEET METAL WITH GOVERMENT CLIP OR TDC (FLANGE PART OF DUCT) CONNECTORS, PITTSBURG LONGITUDINAL SEAMS WITH SEALANT IN SEAMS, SEAL ALL JOINTS WITH 2 LAYERS OF UNITED MCGILL OUTDOOR DUCT SEALER.
	INDOORS	ROUND	GALVANIZED SHEET METAL, GAUGE PER SMACNA 4" PRESSURE CLASS, 26 GAUGE MINIMUM. AT FINAL CONNECTION: ATCO #031, R-8 PRE- INSULATED, 10" WC PRESSURE RATED
		RECTANGULAR	GALVANIZED SHEET METAL, GAUGE PER SMACNA 2" PRESSURE CLASS, 26 GAUGE MINIMUM. SEAL ALL JOINTS WITH DUCT SEALER.
EXHAUST DUCTS	OUTDOORS	RECTANGULAR	SHOP FABRICATED PER SMANCA AND MINIUM 20 GAUGE GALVANIZED SHEET METAL WITH GOVERMENT CLIP OR TDC (FLANGE PART OF DUCT) CONNECTORS, PITTSBURG LONGITUDINAL SEAMS WITH SEALANT IN SEAMS, SEAL ALL JOINTS WITH 2 LAYERS OF UNITED MCGILL OUTDOOR DUCT SEALER.
	INDOORS	RECTANGULAR	SHOP FABRICATED PER SMANCA AND MINIMUM 26 GAUGE GALVANIZED SHEET METAL WITH S-DRIVE OR DUCT MATE CONNECTOR SYSTEM.
		ROUND	GALVANIZED SHEETMETAL, 6" AND SMALLER 26 GAUGE SPIRAL OR SNAPLOK PIPE, 7" AND LARGER TO BE PER SMACNA 2" PRESSURE CLASS AND MINIMUM 26 GAUGE. FITTINGS TO BE SEALED.

MECHANICAL MATERIALS SCHEDULE

SEE SPECIFICATIONS SECTION 23 00 00 FOR COMPLETE SPECIFICATIONS AND REQUIREMENTS

ITEM	MAKE / MODEL	MATERIAL DESCRIPTION
AIR FILTERS	AAF FLANDERS PREPLEAT	MERV 13 WITH DOUBLE WALL FRAME.
HANGER STRUT	SUPERSTRUT SERIES 1400 "GOLDGALV" or equivalent by B-LINE	14 GAUGE, 0.5 MIL ELECTRO GALVANIZED PLATED COATING
DUCT LINER	OWENS CORNING QuietR. or equivalent by CERTAINTEED OR KNAUF.	FIBERGLASS, 2" THICK AT OUTDOORS OR UNCONDITIONED SPACES, 1" THICK AT CANS OR LOCATIONS WITHIN CONDITIONED ENVELOPE (or 1/2" THICK WHERE NOTED).
REFRIGERANT PIPING SOFT COPPER WITH PRE-INSULATED LINES	MUELLER DURAGUARD UV, 3/4" WALL (R5)	TYPE L ACR SOFT COPPER WITH ELASTOMERIC INSULATION WITH COATED UV OUTER LAYER, 700 PSI RATED, ASTM E84 25/50 FLAME SMOKE RATING, ASTM B1003
REFRIGERANT PIPING	MUELLER ACR TUBE	TYPE L ACR COPPER, NITROGENIZED, CLEANED AND CAPPED UNDER PRESSURE.
REFRIGERANT PIPE INSULATION	ARMACELL ARMAFLEX AC	ELASTOMERIC INSULATION, minimum 3/4" WALL THICKNESS.
REFRIGERANT PIPE INSULATION JACKETING	PROTO CORP LOSMOKE	0.03" WALL THICKNESS, ASTM STD C-585-76, COLOR WHITE
DUCT SEALER, INDOOR	UNITED MCGILL UNI-FLEX	WATER BASED DUCT SEALER, UL LISTED, LOW VOCs
DUCT SEALER, OUTDOORS	HARDCAST 321	WATER BASED OUTDOOR, GRAY SMOOTH FINISH, LOW VOCs
DUCT WRAP, INTERIOR IN CONDITION SPACE	OWENS CORNING SoftR. or equivalent by CERTAINTEED OR KNAUF.	FIBERGLASS WITH FRK FOIL FACE, 1-1/2" THICKNESS, TYPE 75, R-4.2. OR APPROVED EQUIVALENT BY CERTAINTEED OR KNAUF.
DUCT WRAP, INTERIOR ATTIC VENTED	OWENS CORNING SoftR. or equivalent by CERTAINTEED OR KNAUF.	FIBERGLASS WITH FRK FOIL FACE, 3" THICKNESS, TYPE 75, R-8. OR APPROVED EQUIVALENT BY CERTAINTEED OR KNAUF.
VOLUME DAMPERS	GREENHECK or approved equivalent.	14" diameter or smaller: GREENHECK VCDR-50. 16" diameter and larger: GREENHECK VCDRM-50. RECTANGULAR: GREENHECK VCD-15/18. CONTROL DAMPERS: GREENHECK VCD-40/42/43 or approved equivalent.
PIPE HANGERS AND SUPPORTS	ARMAFLEX ARMAFIX IPH / NPH	INSULATED PIPE HANGER INSERT WITH ALUMINUM OR STAINLESS STEEL SHELL
FLEXIBLE DUCT CONNECTORS INDOORS	DURODYNE EXCELON 10210 MBX	EXCELON FABRIC ATTACHED WITH GRIP LOCK SEAM TO 24 GAUGE GSM, RATED -40 TO 200 F
DUCT TURNING VANE	DUCTMATE 4AVGA24	DOUBLE WALL ACOUSTICAL VANE, 24 GAUGE
CONTROL WIRING, LOW VOLTAGE	HONEYWELL GENESIS	Jacketed cable with18 AWG solid copper conductors, CL2P plenum rated tear resistant jacket, meeting ISO 9001:2000 standards
DUCT ACCESS DOORS	ELMDOOR DT	DOUBLE WALL INSULATED
WALL AND CEILING ACCESS DOORS	ELMDOR	Wall & ceilings, tile and wood surfaces: ELMDOR DW-SS, 16 gauge type 304 brushed stainless steel, minimum size 10x10. Wall & ceilings, gypsum surfaces: ELMDOR DWB, 16 gauge galvannealed steel with prime finish, minimum size 10x10. Wall & ceilings, fire rated: ELMDOR FRC or FR, minimum size 10x10. Optional Keyed lock on all access doors.
PIPE MARKERS	SETON Opti-Code or equivalent by MSI	Self-adhesive OSHA and ASME (ANSI) standard A13.1-2007.
EQUIPMENT NAMEPLATES	SETON custom	Engraved acrylic (plastic), black with white border, 3" wide by 1" high with minimum 1/4" lettering.

MECHANICAL GENERAL NOTES

1. PROVIDE MINIMUM OUTSIDE AIR TO HVAC UNITS PER MECHANICAL SCHEDULE
2. PROVIDE FLEXIBLE PIPE AND DUCT CONNECTORS TO ALL EQUIPMENT WHICH IS SUSPENDED OR MOUNTED ON VIBRATION ISOLATORS.
3. MAINTAIN A MINIMUM 10'-0" CLEAR BETWEEN HVAC EQUIPMENT AIR INTAKES AND PLUMBING VENTS, VENTS SERVING FUEL BURNING EQUIPMENT OR EXHAUST OUTLETS WITH OBJECTIONABLE ODORS, FUMES OR FLAMMABLE VAPORS; OR 10 FEET ABOVE THE SURFACE OF ANY ABUTTING PUBLIC WAY OR DRIVEWAY; OR WHEN IT IS IN A HORIZONTAL POSITION IN A SIDEWALK, STREET, ALLEY OR DRIVEWAY.
4. PROVIDE UL FIRE STOPPING, PER UL LISTING, WHERE PIPES OR DUCTS PASS THROUGH FIRE RATED CONSTRUCTION. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF FIRE RATED ASSEMBLES. AT SHAFT FLOOR PENETRATIONS PROVIDE FIRE STOPPING AT VENTS, PIPES AND DUCTS PASSING THROUGH FLOORS PER CBC SECTION 711.
5. ALL EXPOSED CONTROL WIRING SHALL BE INSTALLED IN EMT CONDUIT UNLESS CONCEALED IN WALLS OR ATTIC SPACES. ALL WIRING IN ATTIC SPACES SHALL BE NEATLY STAPLED OR ATTACHED TO FRAMING AT MINIMUM 10' INTERVALS.
6. LABEL ALL EQUIPMENT WITH ENGRAVED PLASTIC TAGS PER SPECS WITH EQUIPMENT TAG NUMBERS.
7. DUCT LINER TO HAVE MOLD, HUMIDITY AND EROSION RESISTANT INTERIOR SURFACES THAT MEET OR EXCEED REQUIREMENTS IN ACCORDANCE WITH CMC SECTION 605.0.
8. INSULATION APPLIED TO THE EXTERIOR SURFACES OF DUCTS LOCATED IN THE BUILDING SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE- DENSITY NOT EXCEEDING 50 WHEN TESTED AS A COMPOSITE INSTALLATION IN ACCORDANCE WITH CMC SECTION 605.0.
9. INSTALL PVC JACKETING OVER INSULATION ON ALL OUTDOOR REFRIGERANT SUCTION PIPING.
10. INSTALLATION INSTRUCTIONS FOR ALL EQUIPMENT SHALL BE MADE AVAILABLE TO THE BUILDING INSPECTOR AT THE TIME OF INSPECTION.
11. REFER TO SPECIFICATION SECTION 23 00 00 FOR ADDITIONAL REQUIREMENTS.

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP[ ] MD[ ] PP[ ] E[ ] OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP[X] MD[X] PP[ ] E[ ] OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL OPM # 0043-13.

COMMERCIAL CAL-GREEN REQUIREMENTS

1. COMPLY WITH PROVISIONS OF THE CALIFORNIA GREEN BUILDING CODE (CGBC). BELOW ARE REQUIREMENTS DIRECTLY RELATED TO MECHANICAL SYSTEMS. SEE ARCHITECTURAL PLANS AND SPECIFICATION FOR FURTHER REQUIREMENTS INCLUDING ANY VOLUNTARY MEASURES. COORDINATE ALL REQUIREMENTS WITH GENERAL CONTRACTOR.
2. COMPLY WITH ALL PROVISIONS OF SECTION 5.408 - CONSTRUCTION WASTE REDUCTION DISPOSAL AND RECYCLING. SEE ARCHITECTURAL PLANS AND SPECIFICATION FOR REQUIREMENTS. COORDINATED ALL REQUIREMENTS WITH GENERAL CONTRACTOR.
3. PROVIDE TESTING AND ADJUSTING FOR SYSTEMS IN ADDITIONS, ALTERATIONS AND BUILDINGS UNDER 10,000 SQUARE FEET. SECTION 5.410.4
4. PROVIDE OPERATION AND MAINTENANCE MANUALS PER MECHANICAL SPECIFICATIONS AND CGBC SECTION 5.410.4.5.
5. TEMPORARY OPERATION OF THE PERMANENT HVAC SYSTEM FOR CONDITIONING OR VENTILATION OF THE SPACE SHALL BE IN ACCORDANCE WITH CGBC SECTION 5.504.1.3.
6. ALL DUCTWORK, EQUIPMENT AND RELATED MECHANICAL COMPONENTS SHALL BE COVERED WITH PLASTIC AND TAPE, OR SHEET METAL DURING STORAGE AT THE CONSTRUCTION SITE,DURING ROUGH INSTALLATION, AND UP UNTIL STARTUP TO PREVENT DEBRIS OR DUST FROM ENTERING DUCTWORK. CGBC SECTION 5.504.3
7. ALL FINISH MATERIALS INCLUDING ADHESIVES, SEALANTS, CAULKS, PAINTS, AND COATINGS SHALL COMPLY WITH CGBC SECTION 5.504.4.
8. OUTSIDE AIR TO BE PROVIDED IN ACCORDANCE WITH THE CALIFORNIA ENERGY CODE, LOCAL CODES, AND DIVISION 1, CHAPTER 4 OF CCR, TITLE 8. SEE ENERGY REPORTS, VENTILATION NOTES AND SCHEDULE. CGBC SECTION 5.506.1
9. PROVIDE MINIMUM LEVEL MERV-8 EFFICIENCY FILTERS FOR RETURN AND OUTSIDE AIR. CGBC SECTION 504.5.3
10. FOR BUILDINGS OR ADDITIONS WITH DEMAND CONTROL VENTILATION CARBON DIOXIDE MONITORS SHALL BE IN ACCORDANCE WITH THE CALIFORNIA ENERGY CODE. CGBC SECTION 5.506.2.
11. HVAC AND FIRE SUPPRESSION SYSTEMS SHALL NOT USE CHLOROFLUOROCARBONS (CFC) OR HALON REFRIGERANTS. CGBC SECTION 5.508.1
12. HVAC SYSTEM INSTALLERS SHALL BE TRAINED AND CERTIFIED IN THE PROPER INSTALLTION OF HVAC SYSTEMS. CGBC SECTION 702.1
13. WHEN REQUIRED BY THE ENFORCING AGENCY THE OWNER OR OWNERS AGENT SHALL EMPLOYEE SPECIAL INSPECTORS TO PROVIDE INSPECTION OR OTHER DUTIES TO SUBSTANTIATE COMPLIANCE WITH THE CGBC. CGBC SECTION 702.2

MECHANICAL DRAWING LIST

2/27/2025 5:00:12 PM

AGENCY APPROVAL STAMP:

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CONSULTANT:

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STAMP:

REGISTERED PROFESSIONAL ENGINEER
TIM D SOUZA
M29511
Exp.Date 6-30-25
MECHANICAL
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
40	3/3/25	CCD 024 PH 2 SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER

TEP PROJECT NUMBER:
TEP #3650

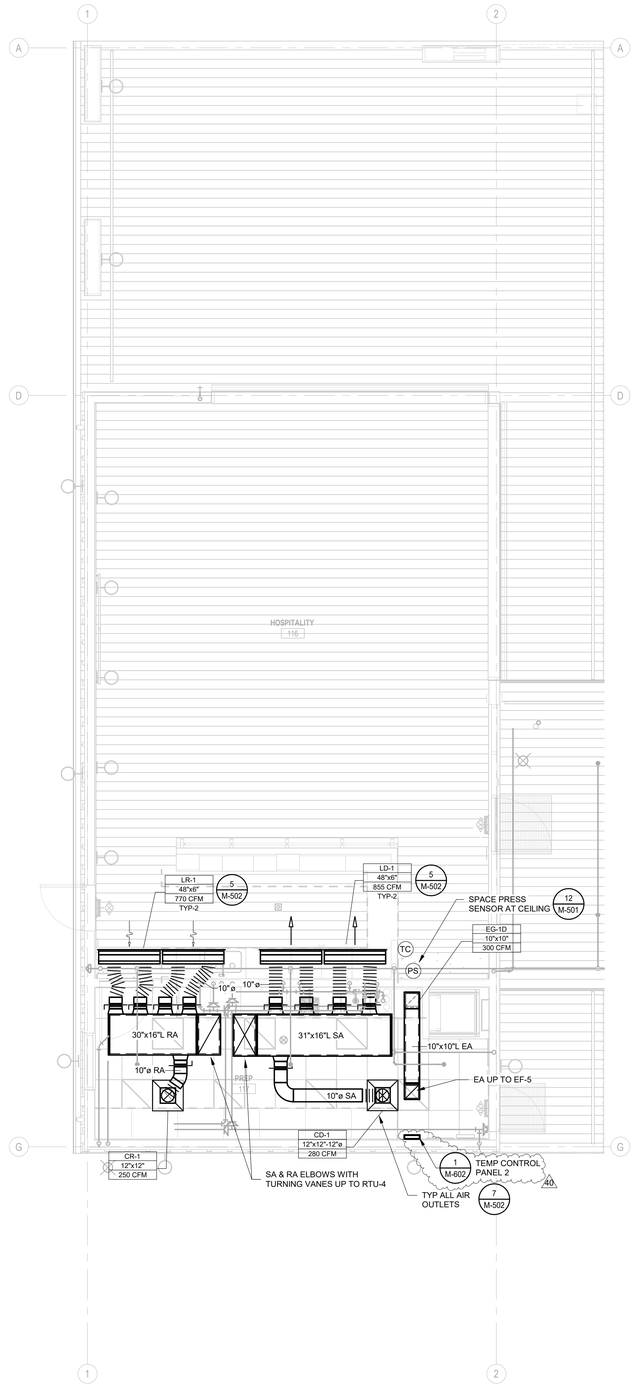
DATE:
10/11/2023

MECHANICAL SCHEDULES & NOTES

M-001

GENERAL NOTES

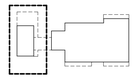
1. **PROVIDE TAP-IN DUCT BRANCH CONNECTIONS PER DETAIL:** 5/M-501
2. **PROVIDE ACOUSTICAL DUCT AND PIPE TREATMENTS AT ALL WALL AND FLOOR PENETRATIONS PER DETAIL:** 6/M-501
3. **PROVIDE DUCT AND PIPE SUPPORTS PER DETAILS:** 7/M-501, 8/M-501, 2/M-502



1 MECHANICAL PLAN - ENLARGED PHASE 2

1/4" = 1'-0"

KEYPLAN



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M. D SOUZA
M29511
Exp.Date 6-30-25
MECHANICAL
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description
40	3/3/25	CCD 024 PH 2 SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER

TEP PROJECT NUMBER:
TEP #3650

DATE:
10/11/2023

MECHANICAL ENLARGED PLAN - PHASE 2

M-402

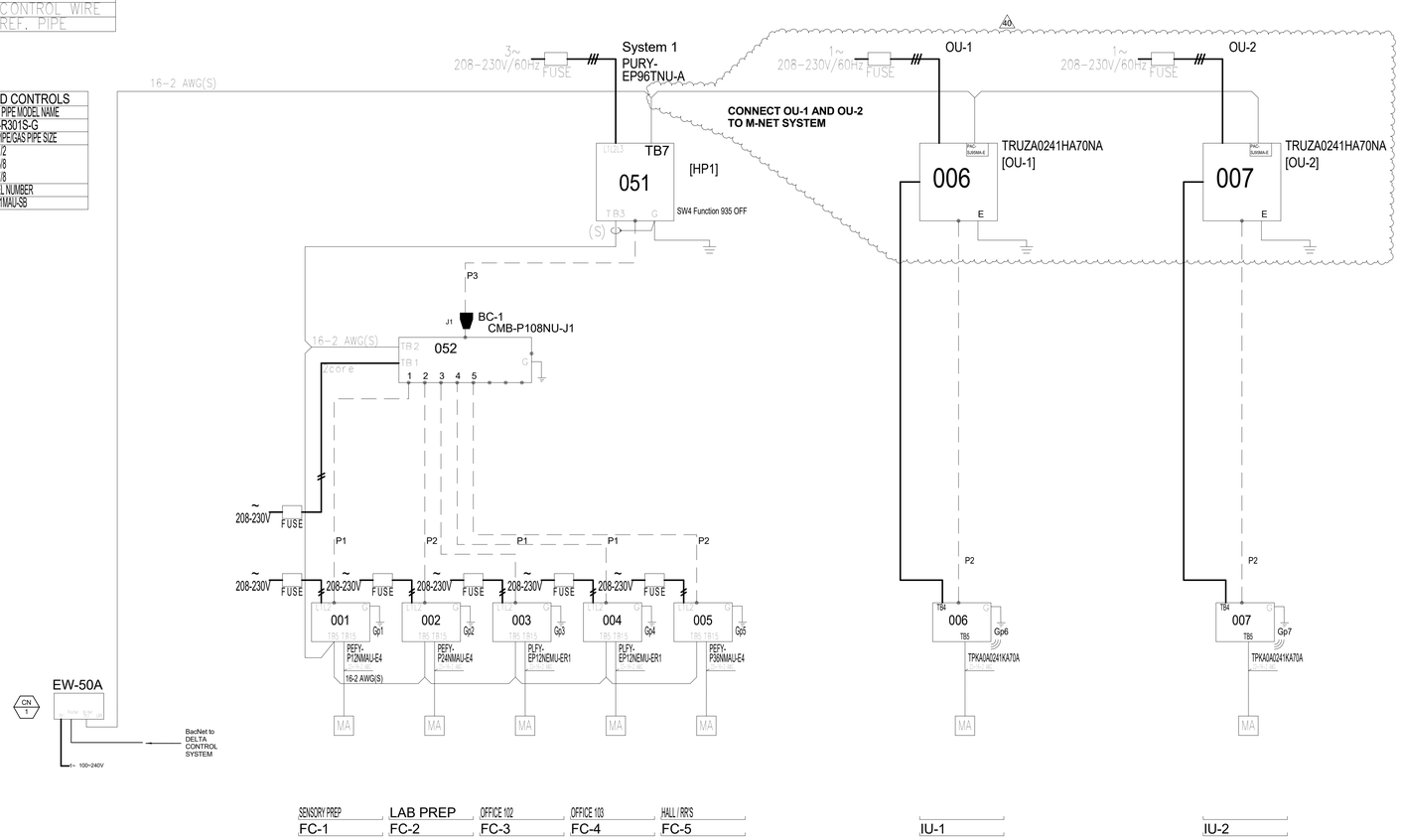
NAPA VALLEY COLLEGE WINE EDUCATION CENTER

DIAGRAM SYMBOL LEGEND		CONT.No		PAGE	
DISPLAY	DESCRIPTION				
///	POWER WIRE				
——	CONTROL WIRE				
———	REF. PIPE				

CITY MULTI

SYSTEM SCHEMATIC DWG.

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-R301S-G
SYMBOL	LIQUID PIPE/GAS PIPE SIZE
P1	1/4 / 1/2
P2	3/8 / 5/8
P3	3/4 / 7/8
SYMBOL	MODEL NUMBER
MA	PAR-CT01MAU-SS



1 VRF SYSTEM DETAILS

NOT TO SCALE

VRF SYSTEM REQUIREMENTS and NOTES

(SEE SPECIFICATION SECTION 23 00 00 FOR ADDITIONAL REQUIREMENTS)

CONTRACTOR'S QUALIFICATIONS

THE MECHANICAL CONTRACTOR SHALL SHOW HAVING SUCCESSFULLY INSTALLED A MINIMUM OF TWO (2) VRF PROJECTS OF SIMILAR SIZE WITHIN THE PAST 5 YEARS. PROVIDE FOR APPROVAL, PRIOR TO CONSTRUCTION, A WRITTEN STATEMENT INDICATING THE PROJECT NAMES, DATES COMPLETED, OWNERS NAME AND CONTACT INFORMATION.

INSTALLER QUALIFICATIONS

INSTALLERS FOR THE MITSUBISHI CITY MULTI SYSTEM SHALL HAVE AT LEAST ONE PERSON FACTORY TRAINED AND CERTIFIED FOR INSTALLATION AND SERVICE OF THE DAIKIN VRF SYSTEM BY VRF MANUFACTURER. THIS PERSON SHALL AT ALL TIMES SUPERVISE THE INSTALLATION OF ALL OTHER INSTALLERS AND ASSURE ALL WORK IS DONE IN ACCORDANCE WITH MITSUBISHI REQUIREMENTS . ALL OTHER INSTALLERS SHALL BE TRAINED AND CERTIFIED IN HVAC INSTALLATION (INCLUDING BUT NOT LIMITED TO REFRIGERANT PIPING AND CONTROLS) BY A NATIONAL OR REGIONALLY RECOGNIZED ORGANIZATION. PROVIDE FOR APPROVAL, PRIOR TO CONSTRUCTION, COPIES OF INSTALLERS CERTIFIES OR OTHER PROOF OF QUALIFICATIONS.

PIPING

REFRIGERANT PIPING

A. INSTALL ALL PIPING IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND THE REQUIREMENTS OF THIS SPECIFICATIONS.

B. SEAMLESS COPPER TUBING, ASTM B280, TYPE L - ACR. CLEAN, DRY NITROGEN CHARGED AND CAPPED FROM FACTORY.

C. AT FAN COILS TO BC CONTROLLERS: SOFT COIL COPPER PIPE WITH PRE-INSULATED WITH 1/2" THICK INSULATION ON BOTH VAPOR AND LIQUID LINES. INSTALL IN LENGTHENS UP TO 100 FEET WITHOUT ANY JOINTS OR FITTINGS.

D. AT BC CONTROLLERS TO HP UNITS: HARD DRAWN COPPER PIPE WITH FIELD APPLIED 1/2" THICK INSULATION ON BOTH VAPOR AND LIQUID LINES (FOR LINES UP TO NOMINAL 1-1/2" DIAMETER) . AT OUTDOORS PROVIDE PVC JACKETING INSTALLED BY CONTRACTOR WHOM SPECIALIZES IN INSTALLING INSULATION PRODUCT. USE ONLY LONG RADIUS ELBOWS ON THE SUCTION LINE PIPES.

E. INSTALL PIPING AS SHORT AND DIRECT AS POSSIBLE, WITH MINIMUM NUMBER OF JOINTS, ELBOWS AND FITTINGS. PIPING SHALL BE INSTALLED IN A WORKMANSHIP MANNER AND PARALLEL WITH THE BUILDING LINES UNLESS NOTED OTHERWISE.

F. PITCH ALL LINES TOWARDS BACK TOWARD THE OUTDOOR UNIT UNLESS REQUIRED OTHERWISE BY THE MANUFACTURER.

G. LABEL EACH LINE SET TO BC CONTROLLER WITH FAN COIL IT SERVES. PROVIDE SEATON PRINTED LABELS WITH 1/2" LETTERING OR EQUAL. HAND WRITTEN LABELS WILL NOT BE ACCEPTABLE.

H. COPPER TO COPPER JOINTS SHALL BE BRAZED WITH COPPER-PHOSPHOROUS BRAZING ALLOY CONTAINING MINIMUM OF 15% SILVER (SIL-FOS 15 OR APPROVED EQUAL), AND DURING ALL BRAZING AN INERT GAS (SUCH AS DRY NITROGEN OR ARGON) SHALL BE CONTINUOUSLY PASSED THROUGH THE SYSTEM AT A FLOW RATE SUFFICIENT TO MAINTAIN AN OXYGEN FREE ENVIRONMENT TO PREVENT THE FORMATION OF COPPER OXIDE SCALE INSIDE THE PIPING.

I. STRICTLY FOLLOW MITSUBISHI'S INSTALLATION INSTRUCTIONS FOR PRESSURE TESTING, EVACUATION AND CHARGING OF THE SYSTEM. PRESSURIZE THE SYSTEM WITH 600 PSI OF NITROGEN, AND VERIFY IT MAINTAINS THE PRESSURE FOR 24 HOURS BEFORE PROCEEDING WITH EVACUATION. WITH A THERMISTOR VACUUM GAUGE INSTALLED, TRIPLE EVACUATE THE SYSTEM TO 650 MICRONS, AND CONTINUE EVACUATION FOR AT LEAST ONE HOUR. WITH VACUUM PUMP OFF, THE SYSTEM MUST HOLD 500 MICRONS FOR 1 HOUR. KEEP A LOG OF THE TIME AND DATE OF THE TESTING FOR THE COMMISSIONING REPORT.

J. KEEP TRACK OF THE REFRIGERANT LINE LENGTHS. VERIFY THE TOTAL LINE LENGTH ARE LESS THAN THE SCHEDULED LINE LENGTHS. NOTIFY THE ENGINEER IF THE LINE LENGTHS ARE EXCEEDED FOR VERIFICATION BEFORE PROCEEDING. CAREFULLY CALCULATE THE REFRIGERANT CHARGE PER THE MANUFACTURER'S INSTRUCTIONS. KEEP WRITTEN LOG OF THE ADDED REFRIGERANT CHANGE (WITH DOCUMENTATION IN CITY MULTI SERVICE MANUAL).

K. FLARE TUBING AT BC CONTROLLER AND FAN COIL FITTINGS SHALL BE CAREFULLY DONE PER MITSUBISHI CITY MULTI SERVICE MANUAL. CAREFULLY CHECK EACH FLARE MEETS THIS SPECIFICATION. ALSO USE REFRIGERANT OIL ON THE FLARING TOOL TO PREVENT FLARE SPLITTING.

PIPE INSULATION

ARMACELL AP ARMAFLEX EXPANDED CLOSE CELL FLEXIBLE ELASTOMERIC INSULATION WITH 0.27 BTU-IN/HR FT2 F THERMAL CONDUCTIVITY OR APPROVED EQUAL.

PIPING SUPPORTS

SUPERSTRUT OR APPROVED EQUAL. FRAMING CHANNELS, RELATED HANGER PARTS, RODS, BOLTS AND NUTS ARE TO BE "GOLDGALV" ELECTRO-PLATED ZINC.

FLARE CONNECTIONS

PROVIDE SOLID FORGED BRASS FLARE FITTING BY PARKER OR MUELLER BRASS.

CONTROL WIRING

A. BETWEEN THE CONTROLLER (THERMOSTAT) AND FAN COIL SHALL BE 18 GAUGE, STRANDED, UNSHIELDED SHEATHED 2 CONDUCTOR PLENUM RATED CABLE. ON THIS PROJECT WHERE THE THERMOSTAT IS EXISTING THE EXISTING WIRING SHALL BE USED.

B. TRANSMISSION CABLES (COMMUNICATION, M-NET) - 16 GAUGE, STRANDED, SHIELDED 2 CONDUCTOR PLENUM RATED CABLE.

C. WIRING INSTALLED IN CEILING/ATTIC, FLOORS OR WALLS SHALL BE NEATLY STAPLED TO FRAMING AND WITH BUILDING LINES. DO NOT STRING CABLES ACROSS ATTIC OR CRAWL SPACES WHERE THEY CAN DAMAGED. KEEP WRITTEN LOG OF WIRE LENGTHS TO VERIFY LENGTHS DO NOT EXCEED MANUFACTURE'S REQUIREMENTS.

D. WIRING NOT CONCEALED IN WALL, FLOORS OR CEILING/ATTICS SHALL BE INSTALLED IN EMT CONDUITS. INSTALL FLEXIBLE CONDUITS TO UNITS WHICH ARE ON ISOLATORS.

E. LABEL ALL CABLES WITH PANDUIT WRAP AROUND MARKERS WITH ROOM NAME OR OTHER RELEVANT INFORMATION FOR USE IN TROUBLESHOOTING.

PC AND WEB MONITORING

PROVIDE CENTRAL CONTROL SOFTWARE CONNECTED TO OWNERS LOCAL AREA NETWORK. SET UP GRAPHICS SCREENS WHICH SHOW THE BUILDING BASIC FLOOR AND ROOF PLAN WITH ACTUALLY EQUIPMENT LOCATIONS AND MARKS. SET UP SOFTWARE TO EMAIL BUILDING OPERATIONS WITH PROBLEMS (SUCH AS AIR FILTER NEEDS CHANGING OR POWER LOSS TO EQUIPMENT, ETC).

START-UP AND COMMISSION

A. CONTRACTOR SHALL PERFORM START-UP AND COMMISSIONING PER MANUFACTURER'S REQUIREMENTS.

B. MANUFACTURER'S SERVICE REP SHALL BE PRESENT AT FIRST START-UP FOR ASSISTANCE AND TO VERIFY INSTALLATION. ALSO REP SHALL BE AVAILABLE FOR TWO (2) ADDITIONAL SITE VISITS THEREAFTER.

C. CONTRACTOR SHALL OWN AND USE THE MITSUBISHI "MAINTENANCE TOOL" FOR USE AT START-UP AND TROUBLE SHOOTING.

D. CONTRACTOR SHALL KEEP A LOG BOOK (AN ORGANIZED 3-RING BINDER) WITH ALL DOCUMENTS RELATED TO THE INSTALLATION, START-UP AND COMMISSIONING. THE LOG BOOK SHALL BE LEFT ON THE JOBSITE AND BECOME THE PROPERLY OF THE OWNER. THE LOG BOOK SHALL CONTAIN THE MITSUBISHI COMMISSION REPORT AND THE FOLLOWING AT A MINIMUM:

- INSTALLATION DATA, SYSTEM AND INSTALLATION STATUS.
- EVACUATION DETAILS AND METHOD STATEMENT.
- PRESSURE TEST METHOD STATEMENT
- OUTDOOR UNIT OPERATION STATUS
- THE INSTALLED REFRIGERANT LINE LENGTHS
- HEIGHT DIFFERENCES BETWEEN UNITS
- THE INSTALLED COMMUNICATION CABLING LENGTHS

IDENTIFICATION OF EQUIPMENT

INSTALL 3"x1" PLASTIC LABELS, BLACK FACE WITH WHITE LETTING AND TRIM, WITH 1/4" LETTERING WITH EQUIPMENT MARK.

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40	3/3/25	CCD 024 PH 2 SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER

TEP PROJECT NUMBER: TEP #3650

DATE: 10/11/2023

MECHANICAL VRF SYSTEM

M-601

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CONTROL SYSTEM SPECIFICATIONS

BUILDING HVAC CONTROL SYSTEM DESCRIPTION (SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS)

THE BUILDING CONTROL SYSTEM IS AN EXTENSION OF THE EXISTING DELTA ENERGY MANAGEMENT SYSTEM. PROVIDE DELTA ENERGY MANAGEMENT SYSTEM (EMS) BY MESA Energy Systems (Alan Stramel, 510-670-1690, astramel@emcor.net)

SUBMITTALS - PROVIDE IN SUBMITTAL COMPLETE POINT-TO POINT WIRING DIAGRAMS, PRODUCT DATA SHEETS FOR ALL CONTROLLER, SENSORS, ENCLOSURES, CABLING, AND OTHER CONSTRUCTION MATERIALS BEING USED. PROVIDE DETAILS ON WHAT GRAPHIC SCREENS ARE BEING PROVIDED.

COMMISSIONING AND JOB CLOSE OUT - PROVIDE A WRITTEN REPORT (WITH DATE, TIME AND WHOM DID THE WORK) THAT EACH CONTROL SENSOR, RELAY, MOTORIZED DAMPER AND ANY OTHER COMPONENT HAS BEEN CALIBRATED AND REALLY CORRECTLY IN THE EMS SYSTEM THROUGH IT'S OPERATING RANGE. PROGRAM ALL OCCUPIED AND UNOCCUPIED SCHEDULES PER THE OWNERS DIRECTIONS. ALL ALARM POINTS AND SENDING INFO (EMAIL OR TEXT), ALL DATA LOGGING REQUIRED TO SHOWN THE SYSTEM IS OPERATING TO THE SEQUENCE.

PROVIDE DELTA NETWORK MANAGER AND DEDICATED EQUIPMENT CONTROLLERS FOR EACH UNIT.

THERMOSTAT AND SENSORS - PROVIDE NETWORKED THERMOSTATS WITH BACKLIT LCD DISPLAYS. PROVIDE ADJUSTABLE TEMPERATURE BUTTONS AND OCCUPANCY OVERRIDE BUTTON.

SOFTWARE - PROVIDE OWNER WITH ANY NECESSARY SOFTWARE FOR TROUBLESHOOTING AND COMMISSIONING OF THE SYSTEM. PROGRAM ALL GRAPHIC SCREENS.

GRAPHIC SCREENS: PROVIDE GRAPHIC SCREENS COMPATIBLE WITH THE EXISTING EMS SYSTEM.

POWER CONDITIONING - PROVIDE ANY LOW VOLTAGE TRANSFORMERS AND FUSED DISCONNECTS AT CONTROL PANELS. ALSO PROVIDE SURGE SUPPRESSION. PROVIDE ANY BATTERY BACKUP WHERE MEMORY LOSS IS POSSIBLE.

COMMISSIONING AND JOB CLOSE OUT - PROVIDE A WRITTEN REPORT (WITH DATE, TIME AND WHOM DID THE WORK) THAT EACH CONTROL SENSOR, RELAY, MOTORIZED DAMPER AND ANY OTHER COMPONENT HAS BEEN CALIBRATED AND REALLY CORRECTLY IN THE EMS SYSTEM THROUGH IT'S OPERATING RANGE. PROGRAM ALL OCCUPIED AND UNOCCUPIED SCHEDULES PER THE OWNERS DIRECTIONS. ALL ALARM POINTS AND SENDING INFO (EMAIL OR TEXT), ALL DATA LOGGING REQUIRED TO SHOWN THE SYSTEM IS OPERATING TO THE SEQUENCE.

CONTROL NOTES

1. ALL LOW VOLTAGE WIRING IN ATTIC SPACE OR CONCEALED IN WALLS TO BE IN PLENUM RATED CABLE. ALL WIRING EXPOSED OR IN MECHANICAL ROOMS TO BE IN EMT CONDUIT. WIRING FROM ROOF TO UNITS TO BE IN SEAL TIGHT CONDUIT. ALL WIRING IN ATTIC SPACES SHALL BE RAN ALONG THE FRAMING AND NEATLY ATTACHED TO FRAMING AT MINIMUM 8'INTERVALS.
2. COMMISSIONING: EACH FAN AND DAMPER SHALL BE INDEPENDENTLY TESTED FOR COMPLETE OPEN AND CLOSE OPERATION. TEST AND CALIBRATE ECONOMIZER OPERATION FROM THE THERMOSTAT. SUBMIT TO THE ENGINEER A REPORT STATING THE DATE AND SIGNED BY THE PERSON PERFORMING THE TESTING.
3. SUBMIT FOR APPROVAL COMPLETE POINT-TO-POINT WIRING DIAGRAMS AND CONTROL PANEL DETAILS (SIZE AND LAYOUT). PROVIDE TWO SET OF "AS-BUILT" CONTROL DRAWINGS UPON COMPLETION.
4. PROGRAM ON/OFF AND HOLIDAYS TO SCHEDULE PROVIDE BY OWNER.
5. PROVIDE ON THE GRAPHICS USER INTERFACE (GUI) AS FOLLOWS:
   - A. DYNAMIC GRAPHICS FOR PUMPS, FANS, AND WATER HEATERS.
   - B. SYSTEM DIAGRAMMATIC WITH SENSOR VALUES AND SETPOINTS VALUES.
   - C. HAND-OFF-AUTO CONTROL FOR ALL FANS, PUMPS, AND EQUIPMENT.

CONTROLS LEGEND

3P	THREE PHASE
AO	ANALOG OUTPUT
AI	ANALOG INPUT
DO	DIGITAL OUTPUT
DI	DIGITAL INPUT
DMP	DAMPER
DS	DISCONNECT SWITCH
GUI	GRAPHICAL USER INTERFACE
H	HUMIDISTAT OR TRANSMITTER
M	MOTOR OR ACTUATOR
MS	MOTOR STARTER
OS	OCCUPANCY SENSOR
SED	SEE ELECTRICAL DRAWINGS
TS	TEMPERATURE SENSOR
VAC	VOLTS ALTERNATING CURRENT
VFD	VARIABLE FREQUENCY DRIVE

CONTROL SYSTEM SEQUENCE OF OPERATIONS (PHASE 2)

ROOFTOP AC UNIT, RTU-1 (SIMILAR FOR RTU-2, RTU-3 & RTU-4)

OCCUPIED MODE :
ROOFTOP HVAC UNIT, SHALL GO INTO OCCUPIED MODE WHEN ACTIVATED BY EITHER THE TIME SCHEDULE OR BY "UNOCCUPIED OVERRIDE" (SEE BELOW) . THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED MODE.

UNOCCUPIED MODE :
WHEN THE TIME SCHEDULE GOES TO UNOCCUPIED THE FANS ON THE ABOVE SYSTEMS SHALL GO INTO "AUTO" MODE AND CYCLE WITH A CALL FOR COOLING OR HEATING FROM THE ZONE. THE CONTROLS WILL GO INTO "SETBACK" WITH A COOLING SETPOINT OF 95 F AND HEATING SETPOINT OF 55 F (ADJUSTABLE). IF A ZONE THERMOSTAT DROPS BELOW THE HEATING SETBACK SETPOINT, THE ZONE SHALL OPERATE TO BRING THE SPACE TEMPERATURE UP TO THE SETPOINT.

UNOCCUPIED OVERRIDE :
EACH ZONE CONTROLLER SHALL HAVE A BUTTON TO PROVIDE OCCUPIED OVERRIDE. WHEN DEPRESSED SHALL PROVIDE 4 HOURS (ADJUSTABLE) OF OVERRIDE TO OCCUPIED MODE.

SUPPLY AIR DUCT SMOKE DETECTION (RTU-5, RTU-6, MAU-1 ONLY)
UPON DETECTION OF PRODUCTS OF COMBUSTION BY THE SUPPLY AIR DUCT SMOKE DETECTOR, THE RELATED UNIT WILL SHUT DOWN IMMEDIATELY AND SHUT THE MOTORIZED DAMPER BELOW THE UNIT. A DRY CONTACT SHALL CLOSE TO THE FIRE ALARM SYSTEM.

BUILDING PRESSURIZATION CONTROL
ROOFTOP UNIT ECONOMIZER SHALL CONTROL THE POWER EXHAUST FAN SPEED BASED ON THE ROOM PRESSURE.

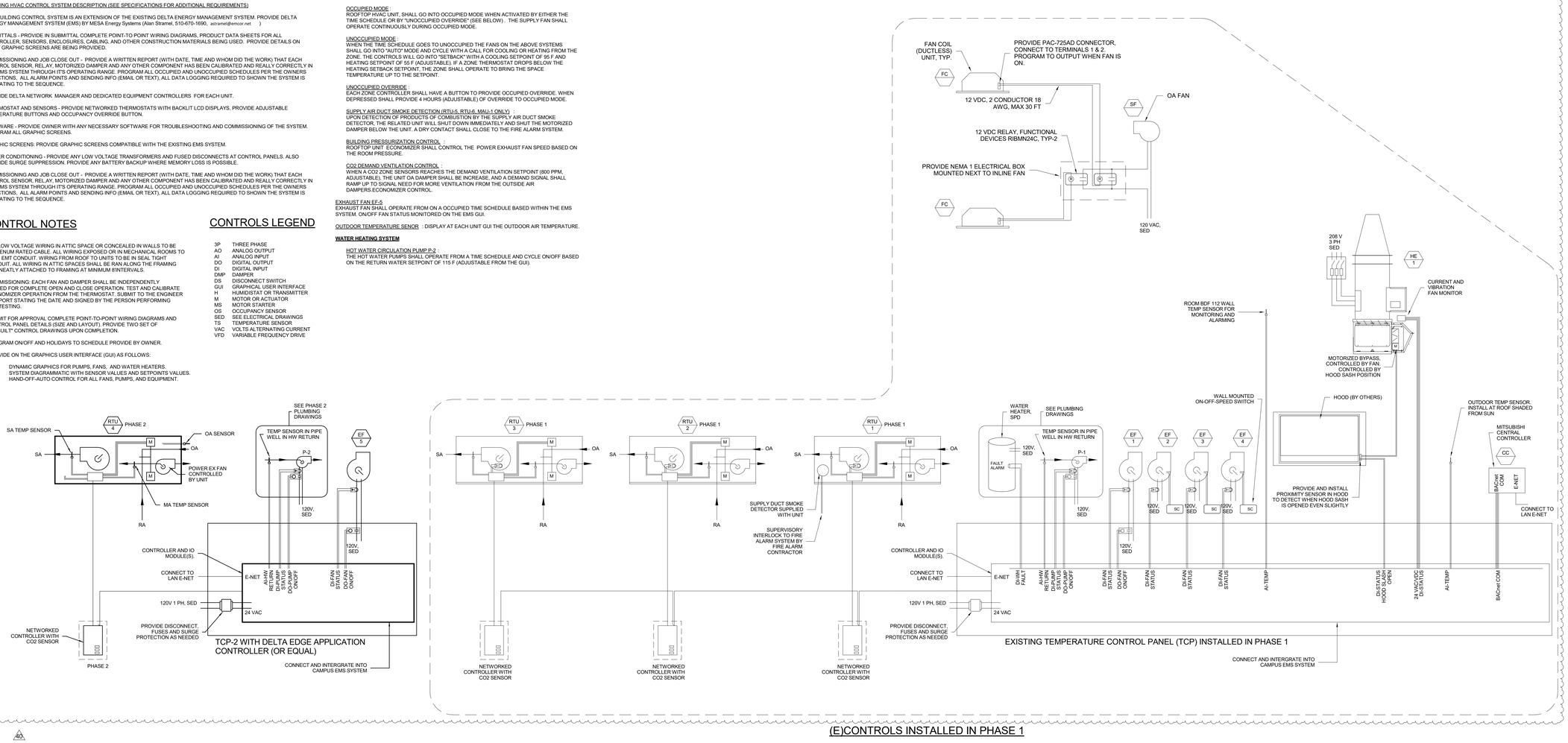
CO2 DEMAND VENTILATION CONTROL
WHEN A CO2 ZONE SENSORS REACHES THE DEMAND VENTILATION SETPOINT (800 PPM, ADJUSTABLE), THE UNIT OA DAMPER SHALL BE INCREASE, AND A DEMAND SIGNAL SHALL RAMP UP TO SIGNAL NEED FOR MORE VENTILATION FROM THE OUTSIDE AIR DAMPERS.ECONOMIZER CONTROL.

EXHAUST FAN EF-5
EXHAUST FAN SHALL OPERATE FROM ON A OCCUPIED TIME SCHEDULE BASED WITHIN THE EMS SYSTEM. ON/OFF FAN STATUS MONITORED ON THE EMS GUI.

OUTDOOR TEMPERATURE SENSOR : DISPLAY AT EACH UNIT GUI THE OUTDOOR AIR TEMPERATURE.

WATER HEATING SYSTEM

HOT WATER CIRCULATION PUMP P-2 :
THE HOT WATER PUMPS SHALL OPERATE FROM A TIME SCHEDULE AND CYCLE ON/OFF BASED ON THE RETURN WATER SETPOINT OF 115 F (ADJUSTABLE FROM THE GUI).



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(E)CONTROLS INSTALLED IN PHASE 1

1 TEMPERATURE CONTROLS
NOT TO SCALE

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40	3/3/25	CCD 024 PH 2 SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER
2277 NAPA VALLEJO HWY NAPA, CA 94558

NAPA VALLEY COLLEGE
DSA APPLICATION NUMBER

TEP PROJECT NUMBER:
TEP #3650

DATE:
10/11/2023

MECHANICAL CONTROLS

M-602

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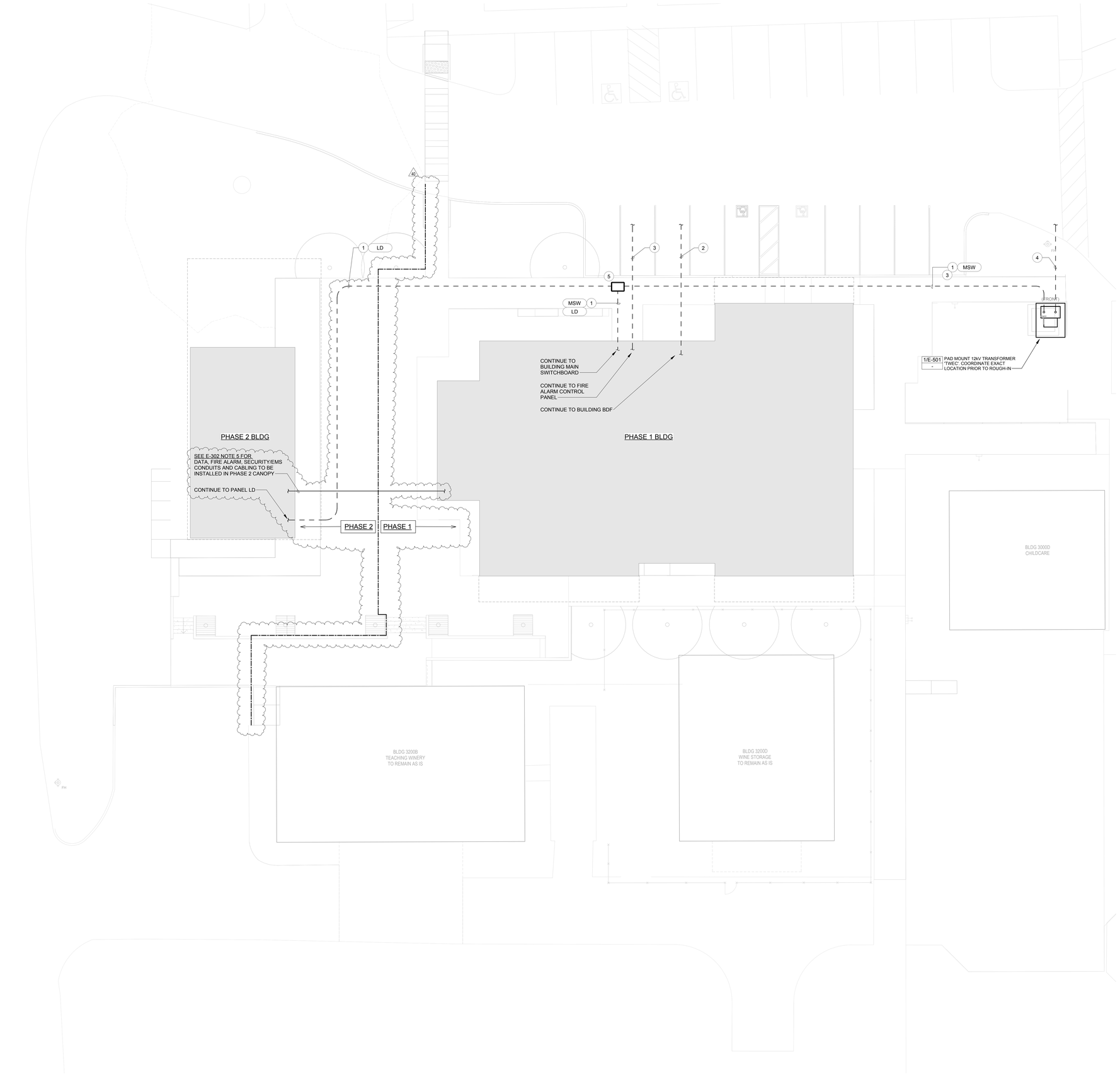

NUMBERED SHEET NOTES

1. PROVIDE AND INSTALL UNDERGROUND FEEDERS TO DISTRIBUTION AND BRANCH PANELS AS NOTED WITH ADJACENT FEEDER TAG DESCRIPTION. SEE E-501 FOR FEEDER SIZING & 1/E-701 FOR TRENCHING DETAIL. FEEDER TAG NOTED WITH "SP" SHALL BE SPARE C.O. FOR FUTURE USE.
2. PROVIDE AND INSTALL FIBER OPTIC CABLING FOR NEW BDF. INTERCEPT SPARE CABLE FEEDING BUILDING 3500 AT EXISTING TELECOM PULL BOX IN ROY PATRICK DRIVE AND RUN 12 STRAND SINGLE MODE FIBER AND 25 PAIR COPPER TO WINE EDUCATION COMPLEX BDF. SEE E-101 AND TRENCH DETAIL 1/E-701.
3. PROVIDE AND INSTALL FIBER OPTIC CABLING FOR NEW FIRE ALARM EQUIPMENT, FROM EXISTING CAMPUS FIRE ALARM FIBER LOOP. SEE E-101 AND TRENCH DETAIL 1/E-701.
4. PROVIDE AND INSTALL 12kV UNDERGROUND FEEDERS. SEE 1/E-101 AND 1/E-501.
5. PROVIDE AND INSTALL FLUSH, IN-GRADE CONCRETE PULLBOX. SIZE AS REQUIRED.

PULLBOXES SHALL BE, IN GRADE CHRISTY (OR EQUAL), SIZED AS NOTED ON PLANS. PULLBOX COVER SHALL BE LABELED AS IDENTIFIED ON PLANS. WHERE LOCATED IN TRAFFIC AREAS, BOXES SHALL BE TRAFFIC RATED REINFORCED CONCRETE WITH STEEL FRAME AND STEEL COVER. WHERE LOCATED ELSEWHERE, BOXES SHALL BE REINFORCED CONCRETE AND COMPOSITE COVER. ALL PULLBOX LOCATIONS SHALL BE COORDINATED WITH THE ARCHITECT.

SEE DETAIL: 2/E-701 TYP

1 SITE PLAN - ELECTRICAL
1" = 10'-0"

30 x 42"
2/28/2025 1:12:21 PM

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NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

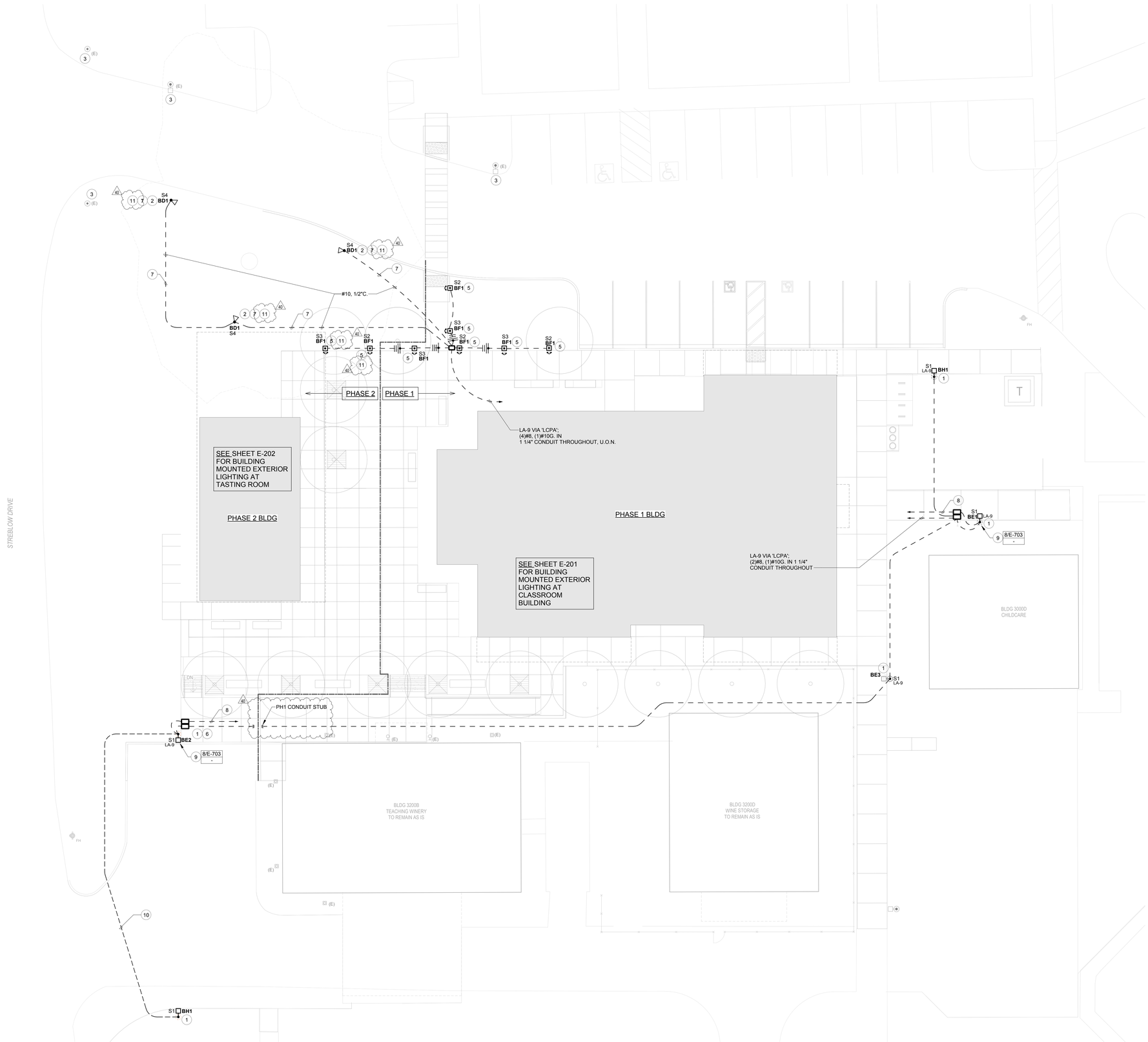
TLCD PROJECT NUMBER:
21062.00

DATE:
AUGUST 30, 2023

PARTIAL SITE PLAN

E-102

NAPA VALLEY COLLEGE WINE EDUCATION CENTER - 222020 R23



1 SITE PLAN - LIGHTING
3/32" = 1'-0"

NUMBERED SHEET NOTES

1. POLE MOUNTED ON FLUSH BASE. SEE DETAIL 1/E-703.
2. STAKE MOUNTED FLOOD LIGHT, AIM UP TO ILLUMINATE TREE CANOPY. ORIENT 45 DEGREE GLARE SHIELD TO PREVENT GLARE AT ROADWAYS AND PEDESTRIAN AREAS.
3. EXISTING LIGHTING TO REMAIN, PROTECT IN PLACE.
4. NOT USED.
5. BOLLARD MOUNTED AT WALKWAY OR PLANTING AREA. SEE DETAIL 2/E-703.
6. PROVIDE WITH POLE MOUNTED OCCUPANCY SENSOR TO TOGGLE BETWEEN LOW AND HIGH OUTPUT FOR SECURITY.
7. SEE LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR CONSTRUCTIONS REQUIREMENTS WITHIN ROOT ZONE OF LARGE TREE.
8. PROVIDE AND INSTALL 1-1/4" C.O. HOMERUN TO BUILDING 'BDF' FOR P.O.E. SECURITY CAMERA AND CAT6A OSP RATED CABLING. CAMERA AND CABLING BY OTHERS.
9. POLE SHALL BE PROVIDED WITH STANDARD HANDHOLE AT BASE, AND AN ADDITIONAL HAND HOLE UP HIGH, FOR PTZ SECURITY CAMERA. THE HEIGHT OF EACH HANDHOLE SHALL BE VERIFIED WITH THE SECURITY VENDOR PRIOR TO RELEASE OF THE POLE SUBMITTAL.
10. SAW CUT EXISTING PAVEMENT, PATCH AND REPAIR AFTER INSTALLING CONDUIT.
11. LUMINAIRE IS OWNER FURNISHED, CONTRACTOR INSTALLED (OFCI).

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DSA APPLICATION NUMBER:
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21062.00

DATE:
AUGUST 30, 2023

SITE PLAN - LIGHTING

E-104

30 x 42"
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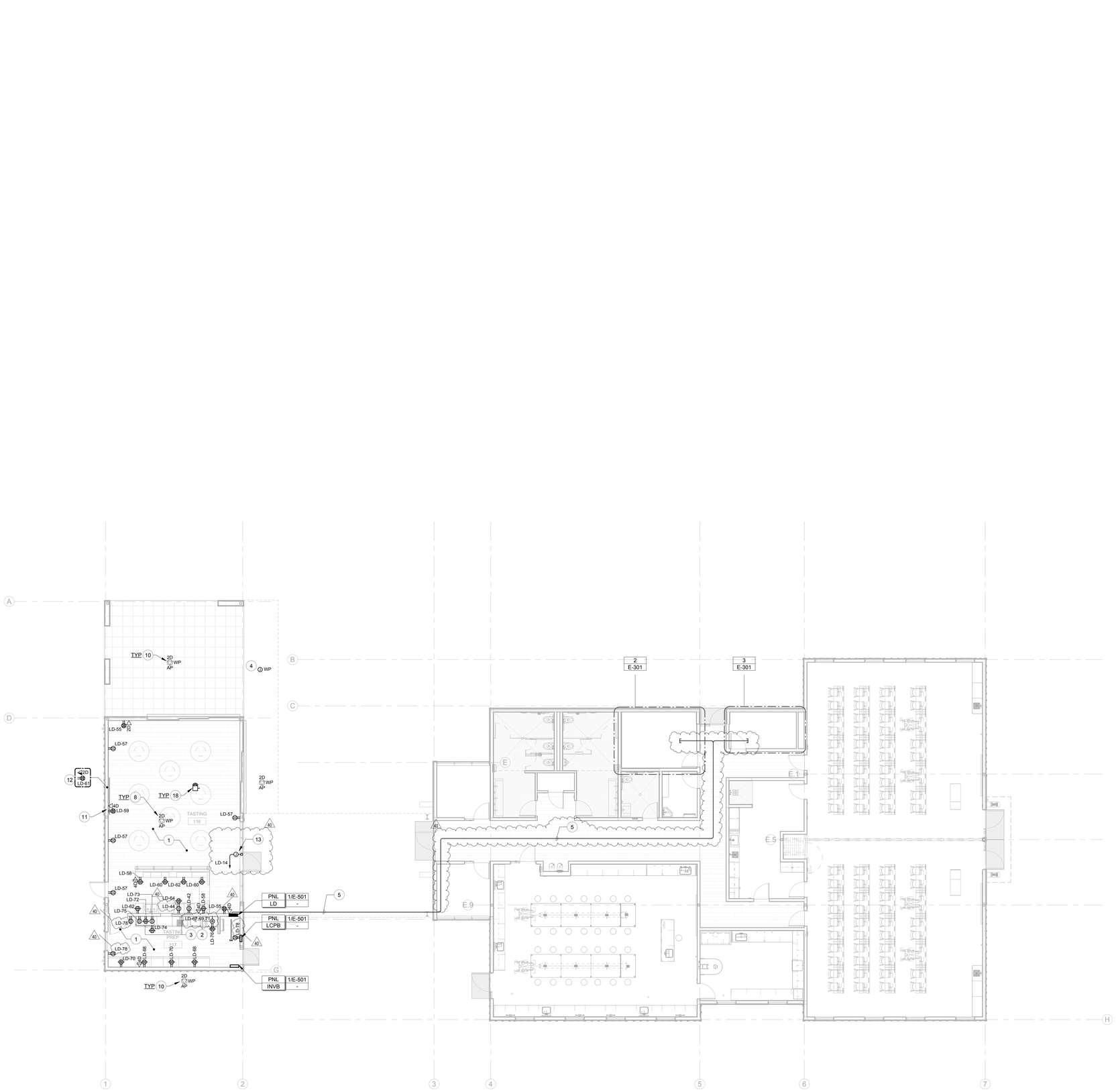
NUMBERED SHEET NOTES

1. ALL POWER RECEPTACLES IN THIS ROOM SHALL BE GFI TYPE.
2. DISHWASHER RECEPTACLE(S) - CONNECT COMPLETE. COORDINATE WITH VENDOR SHOP DRAWINGS PRIOR TO ROUGH-IN. PROVIDE AND INSTALL (3) #12 + (1) #12G. IN 3/4"C. HOMERUN, WITH L15-20R RECEPTACLE.
3. UNDERCOUNTER REFRIGERATOR RECEPTACLE(S) - CONNECT COMPLETE. COORDINATE WITH VENDOR SHOP DRAWINGS PRIOR TO ROUGH-IN.
4. PROVIDE AND INSTALL J-BOX WITH 1" C.O. HOMERUN TO BDF ROOM, FOR POE SECURITY SYSTEM CAMERA.
5. PROVIDE AND INSTALL THE FOLLOWING CONDUIT SYSTEMS IN CONCEALED CHASE ACROSS EXTERIOR CANOPY SYSTEM. COORDINATE EXACT ROUTE PRIOR TO ROUGH-IN:
   (1) 3" C. – DATA CABLING
   (1) 1-1/2" C. – FIRE ALARM
   (1) 1-1/2" C. – SECURITY / EMS
   (2) 2" C. – SPARE
6. PROVIDE AND INSTALL STANDARD OUTLET WITH CAT 6A CABLE/JACKS THAT 18 INCHES AFF. NUMBER REPRESENTS NUMBER OF CAT6A CABLE/JACKS.
7. PROVIDE AND INSTALL (TWO) CAT 6A CABLES COMPLETE WITH JACKS AND WIRELESS ACCESS POINTS (WAP). TERMINATE CABLE AND JACK IN BOX IN CEILING AREA.
8. PROVIDE AND INSTALL STANDARD OUTLET WITH CAT 6A CABLE/JACKS ABOVE COUNTER ADJACENT TO POWER RECEPTACLE. NUMBER REPRESENTS NUMBER OF CAT 6A CABLE/JACKS.
9. PROVIDE AND INSTALL (2) CAT 6A CABLES COMPLETE WITH JACKS AND WIRELESS ACCESS POINTS (WAP) IN WEATHERPROOF OBERON BOX AT 120 INCHES A.F.F. ON BUILDING EXTERIOR WERE SHOWN.
10. CELL PHONE EXTENDERS TO PROVIDE SIGNAL COVERAGE THROUGHOUT BUILDING FOR 3G, 4G, AND 5G. TYPICAL THROUGHOUT BUILDING. LOCATED ABOVE CORRIDOR CEILING, U.O.N.
11. LOCATE ADJACENT AV DEVICE (AV DEVICE BOX BY AV CONTRACTOR) AT 18" A.F.F. TO TOP OF BOX. CONTRACTOR SHALL FULLY COORDINATE LOCATIONS WITH AV ROUGH-IN SCOPE OF WORK, SEE AV 'TA' SERIES PLANS.
12. LOCATE IN BOX (BOX BY AV CONTRACTOR) BEHIND DISPLAY. CONTRACTOR SHALL FULLY COORDINATE LOCATIONS WITH AV ROUGH-IN SCOPE OF WORK, SEE AV 'TA' SERIES PLANS.
13. PROVIDE AND INSTALL BRANCH CIRCUIT FOR MOTOROIZED DOOR OPERATOR: 120V, 3A EACH DOOR. LOCATE J-BOX IN CONCEALED AREA, AND EXTEND CONCEALED RACEWAY AND WIRING TO DOOR ACTUATOR K.O. LOCATION. VERIFY ALL REQUIREMENTS WITH VENDOR SHOP DRAWINGS, PRIOR TO ROUGH-IN.



1 FLOOR PLAN - POWER & SIGNAL - PHASE 2
1/8" = 1'-0"

AGENCY APPROVAL STAMP:

TLCD ARCHITECTURE
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SAN RAFAEL, CALIFORNIA 94903
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STAMP:

REGISTERED PROFESSIONAL ENGINEER
PETER J. COLEMAN
No.E14738
Exp. 6/25
STATE OF CALIFORNIA
ELECTRICAL

2/28/25

REVISIONS:

Number	Date	Description
40	3/3/25	CCD 024 PH 2 SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

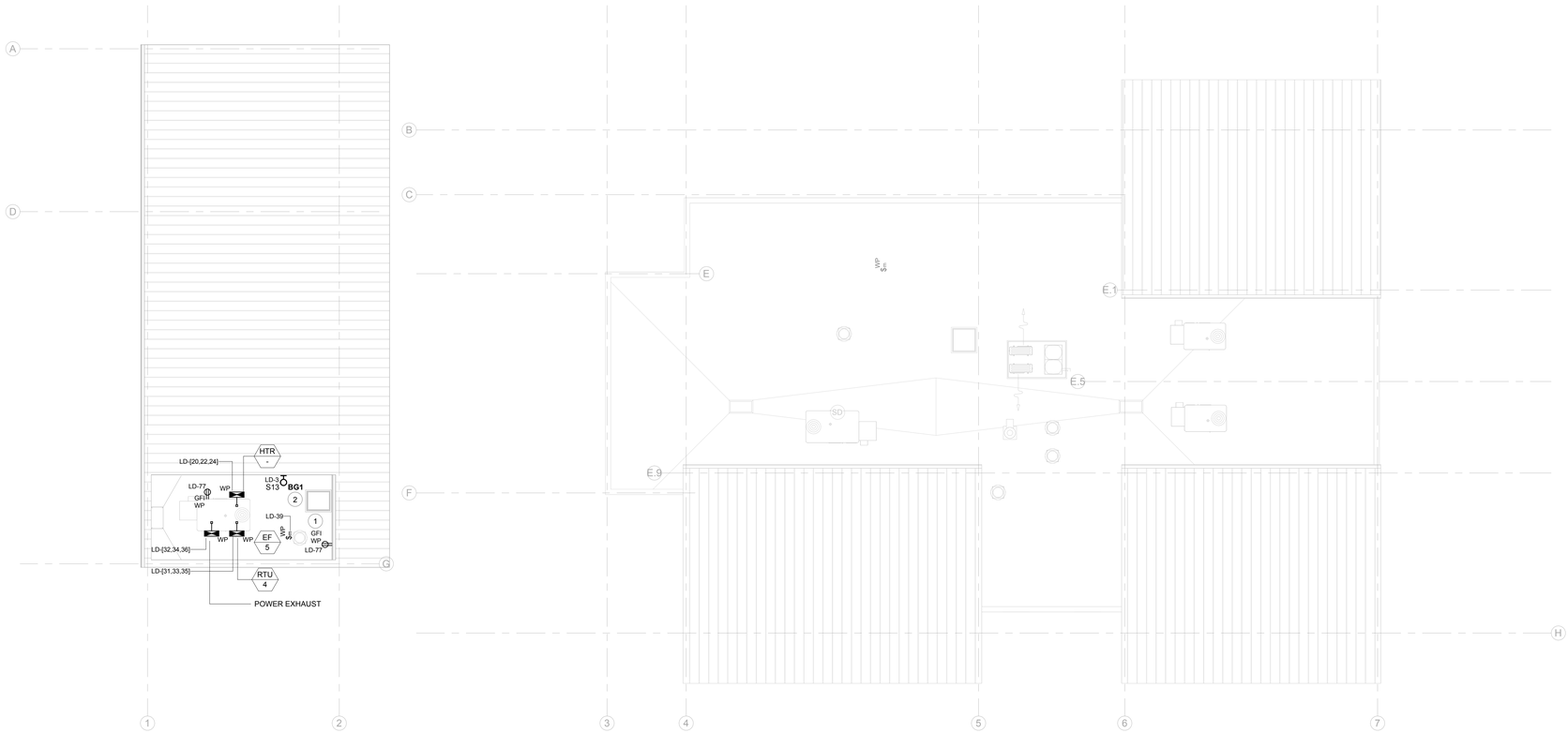
DATE:
AUGUST 30, 2023

FLOOR PLAN POWER & SIGNAL - PHASE 2

E-302

30 x 42"
2/28/2025 1:12:26 PM

NAPA VALLEY COLLEGE WINE EDUCATION CENTER - 222020 R23



2 ROOF PLAN - ELEC & MP CONNECTIONS - PHASE 2
1/8" = 1'-0"

1 FLOOR PLAN - MECH/PLUM CONNECTIONS - PHASE 2
1/8" = 1'-0"

30 x 42"
2/28/2025 1:12:40 PM

NUMBERED SHEET NOTES

1. CO-LOCATE RECEPTACLE TO BE 6' FROM NEARBY HOSE BIB.
2. WALL PACK MOUNTED AT 24" ABOVE FINISHED ROOF TO LOW WALL. SEE SHEET E-202 FOR SWITCH LOCATION.
3. HEAT TRACE CONTROL PANEL: PROVIDE AND INSTALL (2) #8 + (1) #10G. IN 3/4" C. AND CONNECT COMPLETE TO EQUIPMENT. COORDINATE ALL CONNECTION REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO ROUGH-IN.
4. EXTEND (2) #12 + (1) #10G. IN 1/2" C. TO HEAT TRACE PIPE CONNECTION LOCATION. COORDINATE ALL CONNECTION REQUIREMENTS WITH EQUIPMENT VENDOR PRIOR TO ROUGH-IN.

MECHANICAL EQUIPMENT FEEDER SCHEDULE

UNIT TYPE	UNIT #	VOLTAGE	FLA	POLES	kVA	WIRE & CONDUIT	PANEL	CKT #
BC	1	208 V	1 A	2	0.21 kVA	(2) #12 + (1) #12G. IN 1/2" C.	LB	56,58
CN	1	208 V	2 A	2	0.42 kVA	(2) #12 + (1) #12G. IN 1/2" C.	LB	61,63
EF	1	120 V	5.8 A	1	0.70 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	57
EF	2	120 V	5.8 A	1	0.70 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	57
EF	3	120 V	5.8 A	1	0.70 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	59
EF	4	120 V	5.8 A	1	0.70 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	59
EF	5	120 V	2 A	1	0.24 kVA	(2) #12 + (1) #12G. IN 1/2" C.	LD	39
EF	6	120 V	3 A	1	0.36 kVA	(2) #12 + (1) #12G. IN 3/4" C.	LB	80
FC	1	208 V	2.13 A	2	0.44 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	60,62
FC	2	208 V	2.88 A	2	0.60 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	64,66
FC	3	208 V	1 A	2	0.21 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	68,70
FC	4	208 V	1 A	2	0.21 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	72,74
FC	5	208 V	3.4 A	2	0.71 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	76,78
HE	1	208 V	15 A	3	5.40 kVA	(3) #10 + (1) #10G. IN 3/4" C.	MSW	13
HP	1	208 V	31 A	3	11.17 kVA	(3) #8 + (1) #10G. IN 1" C.	MSW	12
HTR	-	208 V	28.868 A	3	10.40 kVA	(3) #6 + (1) #10G. IN 1" C.	LD	20,22,24
IU	1	208 V	1 A	2	0.21 kVA	(2) #10 + (1) #10G. IN 3/4" C.	BA	21,23
IU	2	208 V	1 A	2	0.21 kVA	(2) #10 + (1) #10G. IN 3/4" C.	BA	22,24
OU	1	208 V	19 A	2	3.95 kVA	(2) #10 + (1) #10G. IN 3/4" C.	BA	17,19
OU	2	208 V	19 A	2	3.95 kVA	(2) #10 + (1) #10G. IN 3/4" C.	BA	25,27
P	1	120 V	5 A	1	0.60 kVA	(2) #12 + (1) #12G. IN 1/2" C.	LB	67
P	2	120 V	5 A	1	0.60 kVA	(2) #12 + (1) #12G. IN 1/2" C.	LD	40
RTU	1	208 V	71.2 A	3	25.65 kVA	SEE SINGLE LINE DIAGRAM	MSW	6
RTU	2	208 V	50.4 A	3	18.16 kVA	SEE SINGLE LINE DIAGRAM	MSW	10
RTU	3	208 V	50.4 A	3	18.16 kVA	SEE SINGLE LINE DIAGRAM	MSW	8
RTU	4	208 V	50.4 A	3	18.16 kVA	(3) #6 + (1) #10G. IN 1" C.	LD	31,33,35
RTU PE	4	208 V	2.9 A	3	1.04 kVA	SEE SINGLE LINE DIAGRAM	LD	32,34,36
RTU PE	1	208 V	9.1 A	3	3.28 kVA	SEE SINGLE LINE DIAGRAM	MSW	7
RTU PE	2	208 V	9.1 A	3	3.28 kVA	SEE SINGLE LINE DIAGRAM	MSW	11
RTU PE	3	208 V	9.1 A	3	3.28 kVA	SEE SINGLE LINE DIAGRAM	MSW	9
SF	1	120 V	0.5 A	1	0.06 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	82
SK	1A	120 V	7.8 A	1	0.94 kVA	(2) #12 + (1) #12G. IN 1/2" C.	LB	69
SK	1A	120 V	7.8 A	1	0.94 kVA	(2) #12 + (1) #12G. IN 1/2" C.	LB	71
TP	2	120 V	5 A	1	0.60 kVA	(2) #12 + (1) #12G. IN 1/2" C.	LB	73
WH	1	120 V	7 A	1	0.84 kVA	(2) #10 + (1) #10G. IN 3/4" C.	LB	84
WH	2	208 V	28 A	3	10.09 kVA	(3) #8 + (1) #10G. IN 1" C.	LD	43,45,47

AGENCY APPROVAL STAMP:

TLCD ARCHITECTURE
520 Third St. #250
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40	3/3/25	CCD 024 PH 2 SCOPE CLARIFICATIONS

NAPA VALLEY COLLEGE WINE EDUCATION CENTER
2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
AUGUST 30, 2023

FLOOR PLANS MP CONNECTIONS - PHASE 2

E-304

NAPA VALLEY COLLEGE WINE EDUCATION CENTER - 222020 R23

LOAD CALCULATION: MSW

Volts: 120/208V 3PH, 4W **A.I.C. Rating:** 65kAIC
Phases: 3 **MCB Rating:** 1000 A
Wires: 4 **Enclosure Rating:** NEMA 1

Notes:
PROVIDE WITH GROUPED METERING PROVISIONS AS SHOWN ON DIAGRAM. PROVIDE CIRCUIT BREAKERS WITHIN FULLY BUSSED SECTIONS.

Circuit Description	Trip	Poles	Load	Remarks
LA	225	3	5.89	
LB	225	3	48.31	
LC	225	3	26.46	
LD	225	3	58.60	
BA	80	3	18.62	
RTU 1	90	3	25.65	
RTU 1 (PE)	15	3	3.28	
RTU 3	70	3	18.16	
RTU 3 (PE)	15	3	3.28	
RTU 2	70	3	18.16	
RTU 2 (PE)	15	3	3.28	
HP-1	45	3	11.17	
HE 1	20	3	5.40	
S P A C E	--	3	--	
SPARE	225	3	0.00	
SPARE	225	3	0.00	
SPARE	225	3	0.00	
SPARE	225	3	0.00	
S P A C E	--	1	--	
S P A C E	--	1	--	
S P A C E	--	1	--	
S P A C E	--	1	--	
S P A C E	--	1	--	
ENERGY STORAGE INTERCONNECTION	125	3	0.00	
			246.25	

Panel Totals	
TOTAL kVA:	246.25 kVA
MAX AMPS:	683.52 A

Notes:

LC

Location: ELEC 111 **Volts:** 120/208V 3PH, 4W **A.I.C. Rating:** 65kAIC
Supply From: MSW **Phases:** 3 **Mains Type:** MCB
Mounting: **Wires:** 4 **Mains Rating:** 225 A
Enclosure: **MCB Rating:** 225 A
Notes:
PROVIDE 84 POLE PANELBOARD IN SINGLE 20" WIDE SECTION.

CKT	Circuit Description	Type	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	REC - WINE LAB 104 S...	R	20 A	1	0.50			1.00			1	20 A	R	REC - WINE LAB 104 TABLES	2
3	REC - WINE LAB 104 S...	R	20 A	1		0.50			1.00		1	20 A	R	REC - WINE LAB 104 TABLES	4
5	REC - WINE LAB 104 S...	R	20 A	1			0.50			1.00	1	20 A	R	REC - WINE LAB 104 TABLES	6
7	REC - WINE LAB 104 S...	R	20 A	1	0.50			1.00			1	20 A	R	REC - WINE LAB 104 TABLES	8
9	REC - WINE LAB 104 S...	R	20 A	1		0.50			1.00		1	20 A	R	REC - WINE LAB 104 TABLES	10
11	REC - WINE LAB 104 E...	R	20 A	1			0.50			1.00	1	20 A	R	REC - WINE LAB 104 TABLES	12
13	REC - WINE LAB 104 E...	R	20 A	1	0.50			0.50			1	20 A	R	REC - WINE LAB 104 PODIUM	14
15	REC - WINE LAB 104 E...	R	20 A	1		0.50			0.50		1	20 A	M	REC - WINE LAB 104 PODIUM	16
17	REC - WINE LAB 104 E...	R	20 A	1			0.50			0.72	1	20 A	R	REC - WINE LAB 104	18
19	REC - WINE LAB 104 E...	R	20 A	1	0.50			0.50			1	20 A	M	WINE LAB 104 - SMART BOARD	20
21	REC - WINE LAB 104 E...	R	20 A	1		0.50			0.36		1	20 A	R	REC - WINE LAB 104 SB INPUTS	22
23	REC - WINE LAB 104 E...	R	20 A	1			0.50			0.50	1	20 A	M	FUME HOOD - LAB 105	24
25	REC - WINE LAB 104 E...	R	20 A	1	0.50			0.50			1	20 A	R	REC - LAB 105 E COUNTER	26
27	REC - WINE LAB 104 N...	R	20 A	1		0.50			0.50		1	20 A	R	REC - LAB 105 E COUNTER	28
29	REC - WINE LAB 104 N...	R	20 A	1			0.50			0.50	1	20 A	R	REC - LAB 105 E COUNTER	30
31	REC - WINE LAB 104 N...	R	20 A	1	0.50			0.50			1	20 A	R	REC - LAB 105 E COUNTER	32
33	REC - WINE LAB 104 N...	R	20 A	1		0.50			0.50		1	20 A	R	REC - LAB 105 N COUNTER	34
35	REC - WINE LAB 104 N...	R	20 A	1			0.50			0.50	1	20 A	R	REC - LAB 105 N COUNTER	36
37	REC - WINE LAB 104 N...	R	20 A	1	0.50			0.50			1	20 A	R	REC - LAB 105 N COUNTER	38
39	REC - WINE LAB 104 N...	R	20 A	1		0.50			0.50		1	20 A	R	REC - LAB 105 W COUNTER	40
41	REC - LAB 105 N COUNTER	R	20 A	1			0.50			0.50	1	20 A	R	REC - LAB 105 N COUNTER	42
43	SPARE	--	20 A	1	0.00			0.00			1	20 A	--	SPARE	44
45	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	46
47	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	48
49	BMS	--	20 A	1	0.00			0.50			1	20 A	M	FACP	50
51	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	52
53	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	54
55	SPARE	--	20 A	1	0.00			0.00			1	20 A	--	SPARE	56
57	GARBAGE DISPOSAL	M	20 A	1		0.94			0.00		1	20 A	--	SPARE	58
59	GARBAGE DISPOSAL	M	20 A	1			0.94			0.00	1	20 A	--	SPARE	60
61	SPARE	--	20 A	1	0.00			0.00			1	20 A	--	SPARE	62
63	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	64
65	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	66
67	SPARE	--	20 A	1	0.00			0.00			1	20 A	--	SPARE	68
69	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	70
71	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	72
73	SPARE	--	20 A	1	0.00			0.00			1	20 A	--	SPARE	74
75	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	76
77	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	78
79	SPARE	--	20 A	1	0.00			0.00			1	20 A	--	SPARE	80
81	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	82
83	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	84

051

DEMAND LOAD SUMMARY	CONNECTED...	DEMAND FACTOR	DEMAND KVA
TYPE "M": NON-CONTINUOUS / MIS...	3.88	100.00%	3.88
TYPE "L": LIGHTING / CONTINUOUS...			
TYPE "R": RECEPTACLES	22.58	72.14%	16.29
TYPE "H" HVAC / MECHANICAL...			
TOTALS:	26.46		20.17

PANEL TOTALS	kVA	AMPS	AMPS AT 125%
PHASE A:	8.50	70.833 A	88.542 A
PHASE B:	8.80	73.718 A	92.147 A
PHASE C:	9.16	76.718 A	95.897 A

LA

Location: ELEC 111 **Volts:** 120/208V 3PH, 4W **A.I.C. Rating:** 65kAIC
Supply From: MSW **Phases:** 3 **Mains Type:** MCB
Mounting: **Wires:** 4 **Mains Rating:** 225 A
Enclosure: **MCB Rating:** 225 A
Notes:

CKT	Circuit Description	Type	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	RESERVED LIGHTING CIRCUITS	--	20 A	1	0.00			0.91			1	20 A	L	L OFFICE 102	2
3	L LAB PREP 105	L	20 A	1		1.04			0.00		1	20 A	--	RESERVED LIGHTING CIRCUITS	4
5	L SENSORY CLASSROOM 113	L	20 A	1			0.95			0.00	1	20 A	--	RESERVED LIGHTING CIRCUITS	6
7	L SENSORY CLASSROOM 115	L	20 A	1	0.95			0.00			1	20 A	--	RESERVED LIGHTING CIRCUITS	8
9	L PH1 EXT	L	20 A	1		0.95			0.00		1	20 A	--	RESERVED LIGHTING CIRCUITS	10
11	RESERVED LIGHTING CIRCUITS	--	20 A	1			0.00			0.00	1	20 A	--	RESERVED LIGHTING CIRCUITS	12
13	SPARE	--	20 A	1	0.00			0.00			1	20 A	--	SPARE	14
15	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	16
17	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	18
19	SPARE	--	20 A	1	0.00			0.00			1	20 A	--	SPARE	20
21	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	22
23	SPARE	--	20 A	1			0.00			1.08	1	20 A	M	DOOR OPERATORS	24
25	S P A C E	--	--	1	--			--			1	--	--	S P A C E	26
27	S P A C E	--	--	1		--			--		1	--	--	S P A C E	28
29	S P A C E	--	--	1			--			--	1	--	--	S P A C E	30
31	S P A C E	--	--	1	--			--			1	--	--	S P A C E	32
33	S P A C E	--	--	1		--			--		1	--	--	S P A C E	34
35	S P A C E	--	--	1			--			--	1	--	--	S P A C E	36
37	S P A C E	--	--	1	--			--			1	--	--	S P A C E	38
39	S P A C E	--	--	1		--			--		1	--	--	S P A C E	40
41	S P A C E	--	--	1			--			--	1	--	--	S P A C E	42

046

DEMAND LOAD SUMMARY	CONNECTED...	DEMAND FACTOR	DEMAND KVA
TYPE "M": NON-CONTINUOUS / MIS...	1.08	100.00%	1.08
TYPE "L": LIGHTING / CONTINUOUS...	4.81	125.00%	6.02
TYPE "R": RECEPTACLES			
TYPE "H" HVAC / MECHANICAL...			
TOTALS:	5.89		7.10

PANEL TOTALS	kVA	AMPS	AMPS AT 125%
PHASE A:	1.87	15.547 A	19.434 A
PHASE B:	1.99	16.782 A	20.978 A
PHASE C:	2.03	17.109 A	21.387 A

LB

Location: ELEC 111 **Volts:** 120/208V 3PH, 4W **A.I.C. Rating:** 65kAIC
Supply From: MSW **Phases:** 3 **Mains Type:** MCB
Mounting: **Wires:** 4 **Mains Rating:** 225 A
Enclosure: **MCB Rating:** 225 A
Notes:
PROVIDE 84 POLE PANELBOARD IN SINGLE 20" WIDE SECTION.

CKT	Circuit Description	Type	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	REC - RM 113	R	20 A	1	0.54			0.36			1	20 A	R	REC- OFFICE 103	2
3	REC - RM 113 COUNTER	R	20 A	1		0.36			0.54		1	20 A	R	REC - OFFICE 102	4
5	RM 113 - SMART BOARD	M	20 A	1			0.50			0.72	1	20 A	R	REC - HALL 101	6
7	RM 113 - SMART BOARD INPUTS	R	20 A	1	0.72			1.08			1	20 A	R	REC - HALL 101	8
9	RM 113 - SMART BOARD	M	20 A	1		0.50			0.36		1	20 A	R	REC - CUST 110	10
11	SPARE	--	20 A	1			0.00			0.18	1	20 A	R	REC - CUST 110	12
13	REC - RM 115	R	20 A	1	0.54			0.72			1	20 A	R	REC - RESTROOMS & MECH	14
15	REC - RM 115 COUNTER	R	20 A	1		0.36			0.00		1	20 A	--	SPARE	16
17	RM 115 - SMART BOARD INPUTS	R	20 A	1			0.36			1.43					18
19	RM 115 - SMART BOARD	M	20 A	1	0.50			1.43			3	20 A	M	DISHWASHER - SENS. PREP RM	20
21	RM 115 - SMART BOARD	M	20 A	1		0.50			1.43						22
23	SPARE	--	20 A	1			0.00			0.25	2	20 A	M	MOTORIZED PARTITION	24
25	SPARE	--	20 A	1	0.00			0.25							26
27	SPARE	--	20 A	1		0.00			0.50		1	20 A	R	PREP 114 - COUNTER	28
29	RM 113 - L6-30R	R	30 A	2			2.25			0.50	1	20 A	R	PREP 114 - COUNTER	30
31					2.25			0.54			1	20 A	R	REC - SENSORY PREP 114	32
33	RM 115 - L6-30R	R	30 A	2		2.25			1.43						34
35							2.25			1.43	3	20 A	M	DISHWASHER - SENS. PREP RM	36
37	REC - ROOF MECH UNITS	R	20 A	1	0.54			1.43							38
39	REC - ROOF MECH UNITS	R	20 A	1		0.54			0.50		1	20 A	R	PREP 114 - COUNTER	40
41	REC - ROOF PARAPET	R	20 A	1			0.36			0.18	1	20 A	R	DRINKING FOUNTAIN	42
43	REC - BDF ROOM	R	20 A	1	0.36			0.36			1	20 A	R	REC - BDF ROOM	44
45	REC - BDF ROOM	R	20 A	1		0.36			0.36		1	20 A	R	REC - BDF ROOM	46
47	REC - BDF ROOM	R	20 A	1			0.36			0.36	1	20 A	R	REC - BDF ROOM	48
49					--			--							50
51	CT PROVISIONS	--	--	3		--			--		3	--	--	CT PROVISIONS	52
53							--			--					54
55	LAB 105 - SHADE POWER	M	20 A	1	0.60			0.10			2	20 A	H	BRANCH SELECTOR BC 1	56
57	EFs 1, 2	H	20 A	1		1.39			0.10						58
59	EFs 3, 4	H	20 A	1			1.39			0.22	2	15 A	H	FC 1	60
61	CTRL PANEL CN-1	H	20 A	2	0.21			0.22							62
63						0.21			0.30		2	15 A	H	FC 2	64
65	OFF 103 - SHADE POWER	M	20 A	1			0.60			0.30					66
67	CIRC PUMP P1	H	15 A	1	0.60			0.10			2	15 A	H	FC 3	68
69	LAB PREP 105 - SINK	H	15 A	1		0.94			0.10						70
71	WINE LAB 104 - SINK	H	15 A	1			0.94			0.10	2	15 A	H	FC 4	72
73	LAB PREP 105 TRAP PRIMER	H	20 A	1	0.60			0.10							74
75	FLUSH VALVES	M	15 A	1		0.24			0.35		2	15 A	H	FC 5	76
77	RM 104 - SHADE POWER	M	20 A	1			1.20			0.35					78
79	RM 113 - SHADE POWER	M	20 A	1	1.20			0.36			1	20 A	H	HVAC - EF-6 (ROOF)	80
81	RM 115 - SHADE POWER	M	20 A	1		1.20			0.06		1	20 A	H	SUPPLY FAN - WINE LAB	82
83	OFF 102 - SHADE POWER	M	20 A	1			0.60			0.84	1	20 A	H	WATER HEATER WH 1	84

044 044 20

DEMAND LOAD SUMMARY	CONNECTED...	DEMAND FACTOR	DEMAND KVA
TYPE "M": NON-CONTINUOUS / MIS...	16.74	100.00%	16.74
TYPE "L": LIGHTING / CONTINUOUS...			
TYPE "R": RECEPTACLES	21.66	73.08%	15.83
TYPE "H" HVAC / MECHANICAL...	9.91	100.00%	9.91
TOTALS:	48.31		42.48

PANEL TOTALS	kVA	AMPS	AMPS AT 125%
PHASE A:	15.73	132.138 A	165.172 A
PHASE B:	14.89	124.115 A	155.144 A
PHASE C:	17.68	148.431 A	185.538 A

LD

Location: TASTING PREP 117 **Volts:** 120/208V 3PH, 4W **A.I.C. Rating:** 65kAIC
Supply From: MSW **Phases:** 3 **Mains Type:** MCB
Mounting: FLUSH **Wires:** 4 **Mains Rating:** 225 A
Enclosure: **MCB Rating:** 225 A
Notes:
PROVIDE QUANTITY OF POLES AND CT SPACES IN A SINGLE 20" WIDE SECTION. SIEMENS P2 SERIES PANELBOARD OR EQUAL.

<-------- UNSHADED AREAS INDICATE PANELBOARD SEPARATIONS, FOR TITLE 24 FUTURE METERING SPACE PROVISIONS -------->

CKT	Circuit Description	Type	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	L TASTING 116	L	20 A	1	0.93			0.20			1	20 A	M	M TASTING PREP 117	2
3	L PATIO EXT 2	L	20 A	1		0.57			0.00		1	20 A	--	SPARE	4
5	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	6
7	SPARE	--	20 A	1	0.00			0.00			1	20 A	--	SPARE	8
9	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	10
11	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	12
13	SPARE	--	20 A	1	0.00			0.36			1	20 A	M	DOOR OPERATORS	14
15	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	16
17	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	18
19	SPARE	--	20 A	1	0.00			3.47							20
21	SPARE	--	20 A	1		0.00			3.47		3	45 A	H	RTU 4 12KW STRIP HEATER	22
23	SPARE	--	20 A	1			0.00			3.47					24
25					--			--							26
27	CT PROVISIONS	--	--	3		--			--		3	--	--	CT PROVISIONS	28
29							--			--					30
31					6.05			0.35							32
33	HVAC - RTU-4	H	70 A	3		6.05			0.35		3	20 A	H	HVAC - POWER EXHAUST RTU-4	34
35							6.05			0.35					36
37	SPARE	--	20 A	1	0.00			0.00			1	20 A	--	SPARE	38
39	HVAC - EF-5 (ROOF)	H	20 A	1		0.24			0.60		1	15 A	H	CIRC PUMP P2	40
41	HEAT TRACE CONTROL PANEL	M	20 A	1			2.64			0.30	1	20 A	M	UC FRIDGE - TASTING RM	42
43					3.36			0.30			1	20 A	M	UC FRIDGE - TASTING RM	44
45	WATER HEATER (ABOVE CLG)	H	40 A	3		3.36			0.00		1	20 A	--	SPARE	46
47							3.36			0.00	1	20 A	--	SPARE	48
49					--			--							50
51	CT PROVISIONS	--	--	3		--			--		3	--	--	CT PROVISIONS	52
53							--			--					54
55	REC - TASTING RM	R	20 A	1	0.72			0.00			1	20 A	--	SPARE	56
57	REC TASTING 116	R	20 A	1		0.72			0.36		1	20 A	R	REC - TASTING RM P.O.S	58
59	AV INPUTS - TASTING RM	R	20 A	1			0.36			0.36	1	20 A	R	REC - TASTING RM COUNTER	60
61	AV BOX - TASTING RM TV	M	20 A	1	0.25			0.36			1	20 A	R	REC - TASTING RM COUNTER	62
63	SPARE	--	20 A	1		0.00			0.18		1	20 A	R	REC - TASTING RM COUNTER	64
65	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	66
67					1.90			0.36			1	20 A	R	REC - PREP COUNTERS	68
69	DISHWASHER	M	20 A	3		1.90			1.00		1	20 A	R	REC - PREP COUNTERS	70
71							1.90			0.18	1	20 A	R	REC - PREP COUNTERS	72
73	FRIDGE - TASTING PREP 117	M	20 A	1	0.50			0.18			1	20 A	R	REC - PREP COUNTERS	74
75	FRIDGE - TASTING PREP 117	M	20 A	1		0.50			0.50		1	20 A	R	REC - PREP COUNTERS	76
77	REC - ROOF CONVENIENCE	R	20 A	1			0.00			0.54	1	20 A	R	REC - PREP	78

DEMAND LOAD SUMMARY	CONNECTED KVA	DEMAND FACTOR	DEMAND KVA
TYPE "M": NON-CONTINUOUS / MISC....	10.75	100.00%	10.75
TYPE "L": LIGHTING / CONTINUOUS LOADS	1.50	125.00%	1.87
TYPE "R": RECEPTACLES	5.82	100.00%	5.82
TYPE "H" HVAC / MECHANICAL LOADS	40.53	100.00%	40.53
TOTALS:	58.60		58.97

PANEL TOTALS	kVA	AMPS
PHASE A:	19.29	160.76 A
PHASE B:	19.80	165.244 A
PHASE C:	19.51	162.883 A
DEMAND AMPS		163.692 A

BA

Location: ELEC 111 **Volts:** 120/208V 3PH, 4W **A.I.C. Rating:** 65kAIC
Supply From: MSW **Phases:** 3 **Mains Type:** MCB
Mounting: SURFACE **Wires:** 4 **Mains Rating:** 100 A
Enclosure: (NEMA 1) **MCB Rating:** 80 A
Notes:

INTENDED AS CRITICAL LOAD PANEL, BY MANUAL LOAD SHED DURING UTILITY DOWNTIME. PANEL NOT INTENDED FOR EMERGENCY USE.

CKT	Circuit Description	Type	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Type	Circuit Description	CKT
1	REC - SENSORY RM 113	R	20 A	1	0.18			0.18			1	20 A	R	REC - SENSORY RM 115	2
3	REC - WINE LAB 104 PODIUM	R	20 A	1		0.36			1.10		1	20 A	M	BDF RACK	4
5	REC - WINE LAB 104...	R	20 A	1			1.00			1.10	1	20 A	M	BDF RACK	6
7	REC - WINE LAB 104...	R	20 A	1	1.00			0.72			1	20 A	R	REC - OFFICE 102	8
9	UC FRIDGE - LAB PREP 105	M	20 A	1		0.50			1.22		1	20 A	R; M	REC - RM 115 PODIUM /...	10
11	UC FRIDGE - SENSORY PREP...	M	20 A	1			0.50			1.22	1	20 A	R; M	REC - SENSORY RM 113...	12
13	SENSORY PREP - UC FRIDGE	M	20 A	1	0.50			0.72			1	20 A	R	REC - OFFICE 103	14
15	SPARE	--	20 A	1		0.00			0.00		1	20 A	--	SPARE	16
17	OU 1 (ROOF)	H	30 A	2			1.98			0.00	1	20 A	--	SPARE	18
19					1.98			0.00			1	20 A	--	SPARE	20
21	IU 1 (ELEC RM)	H	15 A	2		0.10			0.10		2	20 A	H	IU 2 (BDF ROOM)	22
23							0.10			0.10					24
25	OU 2 (ROOF)	H	30 A	2	1.98			0.00			1	20 A	--	SPARE	26
27						1.98			0.00		1	20 A	--	SPARE	28
29	SPARE	--	20 A	1			0.00			0.00	1	20 A	--	SPARE	30
31	S P A C E	--	--	1	--			--			1	--	--	S P A C E	32
33	S P A C E	--	--	1		--			--		1	--	--	S P A C E	34
35	S P A C E	--	--	1			--			--	1	--	--	S P A C E	36
37	S P A C E	--	--	1	--			--			1	--	--	S P A C E	38
39	S P A C E	--	--	1		--			--		1	--	--	S P A C E	40
41	S P A C E	--	--	1			--			--	1	--	--	S P A C E	42

DEMAND LOAD SUMMARY	CONNECTED...	DEMAND FACTOR	DEMAND KVA
TYPE "M": NON-CONTINUOUS / MIS...	4.70	100.00%	4.70
TYPE "L": LIGHTING / CONTINUOUS...			
TYPE "R": RECEPTACLES	5.60	100.00%	5.60
TYPE "H" HVAC / MECHANICAL...	8.32	100.00%	8.32
TOTALS:	18.62		18.62

PANEL TOTALS	kVA	AMPS	AMPS AT 125%
PHASE A:	7.25	61.254 A	76.567 A
PHASE B:	5.36	44.7 A	55.875 A
PHASE C:	6.00	50.854 A	63.567 A

Napa Valley College WEC Electrical Equipment Chart

Equipment	Manufacturer/Model	Weight	Size (INCHES)	OMM detail number	HCAI OSP
Transformer T-LRC Oil Filled 12.4 kv Pad Mount Transformer	Eaton Transformer Mid-Range Voltage 300KVA, 3PH 4W	3800#	81w x53d x 57h	1/E501, 5 & 6/E704	
Switchgear Main Switch Board MSB	Eaton Pow-R-Line - 1000A, 120/208V 3PH	1500# (2 Sections max total)	60w x 18d x 91.5h	2/E301 & 10/E701	
Transformer (Battery System Output)	Eaton DT3 30 30kVA 480V 3PH	565#	28.3w x 22d x 36h	2/E301 & 14/E701	OSP 008
Transformer Breaker	Sq D CP Wall mount	15#	9"w x 4"d x 12"h	2/E301 & 9/E701	
Wall mounted panel Board Single section	Sq D CP Wall Mount 1 section	275# max	20w x 6d x 54h	2/E301 & 8/E701	OSP 016
Wall mounted panel Board 2 Section	Sq D CP Wall Mount 2 section	480# max	40w x 6d x74h	2/E301 & 8/E701	OSP 016
Lighting Inverter INVA	Myers Illuminator 1100VA	246#	26w x 10.125d x 25.3h	1/E201 & 9/E701	
Lighting Fixture Supports & Bracing	See Luminaire Schedules on E02., E0.3, E0.4	Weights noted on Schedules	Sizes noted on Schedules	SEE DETAILS Sheet E703 & E704	
Lighting Control Panel	LeGrand Watt Stopper	275# Max	24w x 6d x 48h max	1/E201 & 9/E701	
Fire Alarm Panel	Notifier NFS2	60# Max	20w x 4d x 30h	2/E301 & 8/E701	
Energy Storage System Battery	Energport C&I Energy Storage system	1945#	40w x 24d x80h	2/E301 & 7/E701	
Lighting Inverter INVA	Myers Illuminator 550VA	130#	19w x 9.25d x 22h	1/E202 & 9/E701	
Telecom rack	CPI universal to post rack 46353	1500# max	20.25w x 24d x 84h	1/E301, 8 & 9/E702	

30 x 42"
2/28/2025 1:12:49 PM

AGENCY APPROVAL STAMP:

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

CONSULTANT:

O'MAHONY & MYER
ELECTRICAL ENGINEERING & LIGHTING DESIGN
4340 REDWOOD HWY., SUITE 245
SAN RAFAEL, CALIFORNIA 94903
(415) 492-0420/FAX (415) 479-9662

STAMP:

REGISTERED PROFESSIONAL ENGINEER
PIERRE COLEMAN-ALEXANDER
No.E14738
Exp. 6/25
ELECTRICAL
STATE OF CALIFORNIA
2/28/25

REVISIONS:

Number	Date	Description
	12/20/24	CCD
20	11/22/24	CCD 010
044	12/19/24	RFI 044
046	2/7/25	RFI 046
051	2/12/25	RFI 051

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
AUGUST 30, 2023

SCHEDULES

E-601

TLCD ARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

YOU ARE HEREBY DIRECTED TO EXECUTE THESE ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS WHICH INTERPRET THE CONTRACT DOCUMENTS OR ORDER MINOR CHANGES IN THE WORK WITHOUT CHANGING THE CONTRACT SUM OR CONTRACT TIME. IF YOU BELIEVE THAT A CHANGE IN CONTRACT SUM OR CONTRACT TIME IS REQUIRED, PLEASE SUBMIT YOUR ITEMIZED PROPOSAL ON A CHANGE ORDER REQUEST FORM TO THE ARCHITECT **WITHIN TEN (10) DAYS**. IF YOUR PROPOSAL IS FOUND TO BE SATISFACTORY AND IN PROPER ORDER, THESE INSTRUCTIONS WILL, IN THAT EVENT, BE SUPERSEDED.

TITLE: PAVEMENT CHANGES

DESCRIPTION:
Please provide a cost proposal to demolish and replace the existing concrete curb and AC pavement shown in drawing SKA-001 for review and decision by Owner. This is not an authorization to proceed with the work.

ATTACHMENTS:
SKA-001 PAVEMENT CHANGES.pdf

ASI NO:
1

DATE:
06/14/2024

PROJECT:
NVC Wine Education Center

PROJECT NO:
21062.00

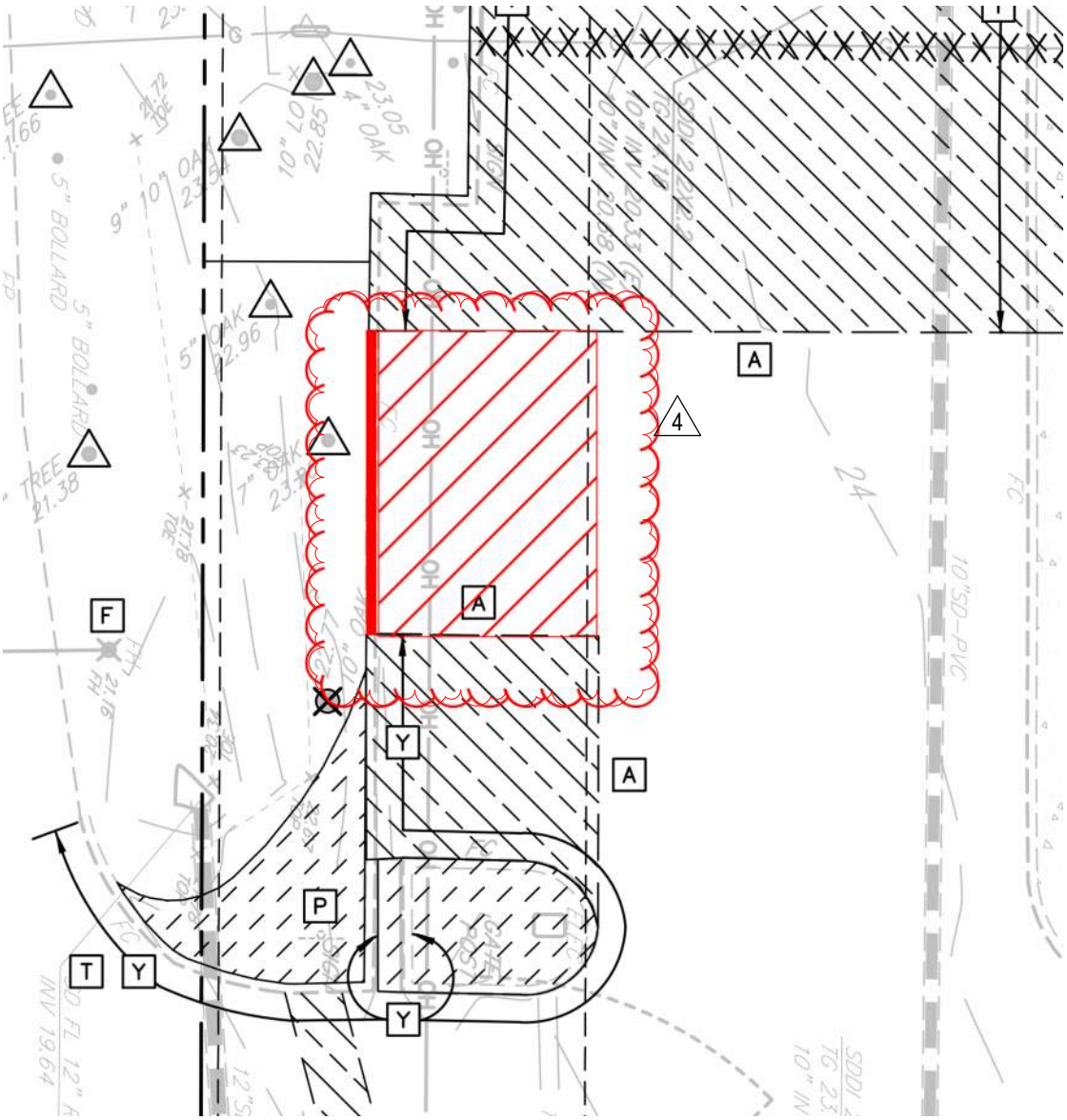
TO:
Garrett Hull
Midstate Construction

FROM:
Dennis Kennedy

COPIES TO:
Paul Bartholow
(Brelje and Race Consulting Engineers)
Ken Burroughs
(Kitchell CEM)
James Evans
(Midstate Construction)
Ryan Gleason
(Brelje and Race Consulting Engineers)
Jay Leininger
(Kurt Hirtzer Inspection Services)
Samantha Maddox
(Napa Valley Community College District)
Aimee McArthur
(TLCD Architecture)
Mickale McChristian
(Midstate Construction)

ISSUED BY: Dennis Kennedy, AIA — 6/14/24
ARCHITECT — DATE

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com



PROJECT NAME

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

PROJECT ADDRESS

2277 NAPA VALLEJO HWY NAPA, CA 94558

NO.	DATE	DESCRIPTION
4	6/14/24	ASI -1 PAVEMENT CHANGES

TLCD PROJECT NO:

21062.00

DATE:

06/14/24

BY:

DSK

DESCRIPTION:

PAVEMENT CHANGES

DRAWING NO:

SKA-001

TLCD ARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS

YOU ARE HEREBY DIRECTED TO EXECUTE THESE ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS WHICH INTERPRET THE CONTRACT DOCUMENTS OR ORDER MINOR CHANGES IN THE WORK WITHOUT CHANGING THE CONTRACT SUM OR CONTRACT TIME. IF YOU BELIEVE THAT A CHANGE IN CONTRACT SUM OR CONTRACT TIME IS REQUIRED, PLEASE SUBMIT YOUR ITEMIZED PROPOSAL ON A CHANGE ORDER REQUEST FORM TO THE ARCHITECT **WITHIN TEN (10) DAYS**. IF YOUR PROPOSAL IS FOUND TO BE SATISFACTORY AND IN PROPER ORDER, THESE INSTRUCTIONS WILL, IN THAT EVENT, BE SUPERSEDED.

TITLE: Slab Edge Distance Clarifications

DESCRIPTION:
Clarification for slab edges in relationship to face if studs at exterior walls.

DIRECTIVE: See the attached drawing SKA-008 for slab edge offset dimensions from the exterior wall face of stud.

ATTACHMENTS:
SKA-008 Slab Edge Dimension Clarifications.pdf

ASI NO:
2

DATE:
08/12/2024

PROJECT:
NVC Wine Education Center

PROJECT NO:
21062.00

TO:
Garrett Hull
Midstate Construction

FROM:
Dennis Kennedy

COPIES TO:
Ken Burroughs
(Kitchell CEM)
James Evans
(Midstate Construction)
Nicole Go
(ZFA Structural Engineers, Inc. (Santa Rosa))
Jay Leininger
(Kurt Hirtzer Inspection Services)
Samantha Maddox
(Napa Valley Community College District)
Aimee McArthur
(TLCD Architecture)
Mickale McChristian
(Midstate Construction)
Chris Meade
(ZFA Structural Engineers, Inc. (Santa Rosa))
Carl Servais

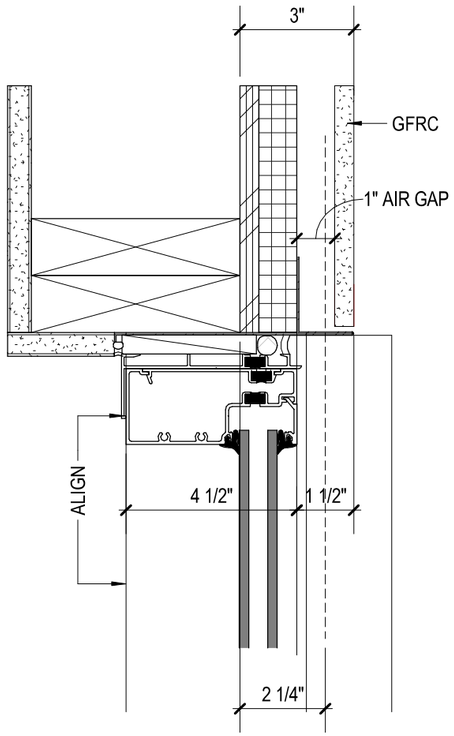
ISSUED BY: Carl Dennis 8/12/24
ARCHITECT DATE

TLCD
ARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
(TLCD Architecture)

ISSUED BY: _____

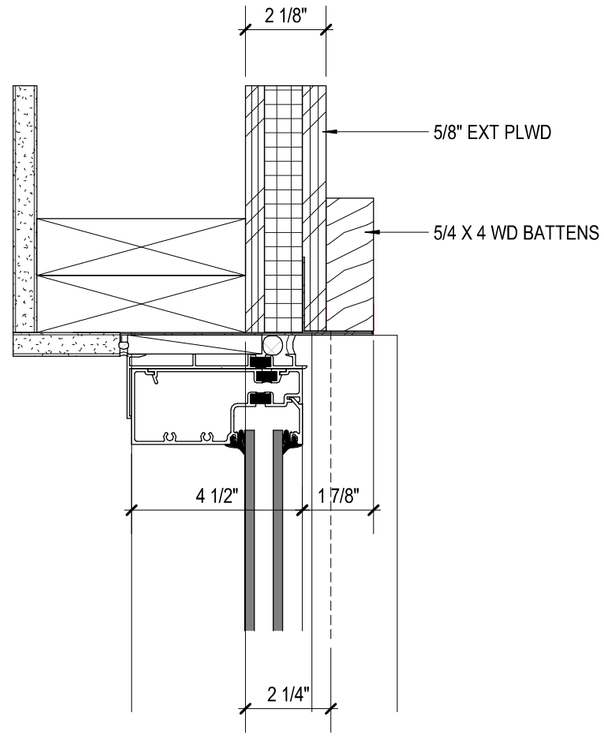
ARCHITECT DATE

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com



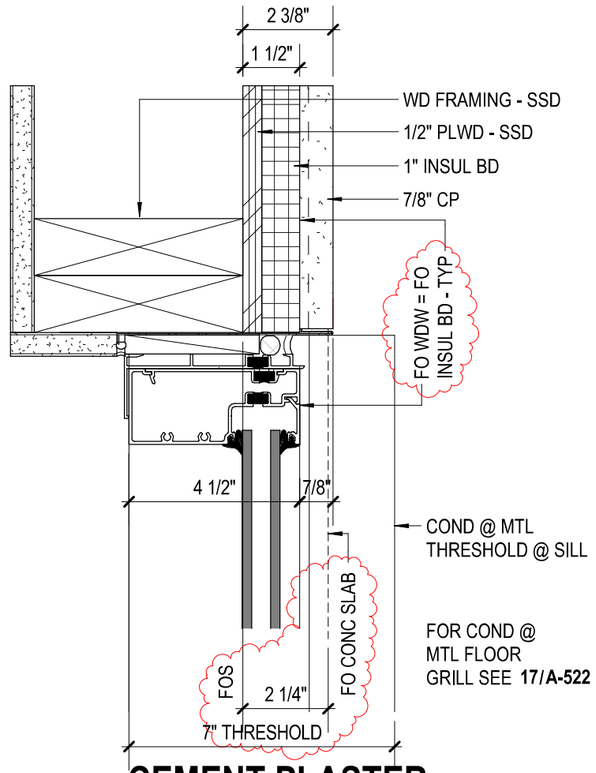
GFRC SYSTEM

FOR ADDITIONAL INFORMATION SEE **1/A-522**



WD SIDING / BATTENS

FOR ADDITIONAL INFORMATION SEE **2/A-522**



FOR COND @ MTL FLOOR GRILL SEE **17/A-522**

CEMENT PLASTER

FOR ADDITIONAL INFORMATION SEE **3/A-522**

1 SLAB EDGE DIMENSIONS / THRESHOLDS

3" = 1'-0"

PROJECT NAME

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

PROJECT ADDRESS

2277 NAPA VALLEJO HWY NAPA, CA 94558

NO.	DATE	DESCRIPTION
5	8/5/24	ASI 2 - EDGE OF SLAB DIMENSION

TLCD PROJECT NO:
21062.00

DATE:
08/11/24

BY:
DSK

DESCRIPTION:
EDGE OF SLAB DIMENSION CLARIFICATIONS

LICENSED ARCHITECT
CARL SERVAIS
C-32941
REN:12/31/25
STATE OF CALIFORNIA

DRAWING NO:

SKA-008

RFI #002

TLCD Architecture
520 Third Street #250
Santa Rosa, California 95401
Phone: (707) 525-5600

Project: 21062.00 - NVC Wine Education Center
2277 Napa-Vallejo Hwy
Napa, California 94558

Official Response

Official Response: **Dennis Kennedy (TLCD Architecture)** *responded on Friday, June 21st, 2024 at 12:29PM PDT*

Demolish the exiting chain link fencing, posts and footings. Backfill footing holes and fine grade soil per landscape drawing and specification requirements for planting areas.

Per direction of KCEM on 6/21/24.

Attachments:

Site Fencing at South End

TO:	Dennis Kennedy **(TLCD Architecture)**	**FROM:**	Mickale McChristian **(Midstate Construction)** 1180 Holm Rd Petaluma, CA, 94954
DATE INITIATED:	06/10/ 2024	**STATUS:**	Closed on 06/23/24
LOCATION:		**DUE DATE:**	06/15/2024
COST CODE:		**REFERENCE:**	
COST IMPACT:		**SCHEDULE IMPACT:**	
DRAWING NUMBER:		**SPEC SECTION:**	
LINKED DRAWINGS:			
RECEIVED FROM:			

COPIES TO:

Wesley Barry II **(Midstate Construction)**, Paul Bartholow **(Brelje and Race Consulting Engineers)**, Ken Burroughs **(Kitchell CEM)**, James Evans **(Midstate Construction)**, Ryan Gleason **(Brelje and Race Consulting Engineers)**, Garrett Hull **(Midstate Construction)**, Dennis Kennedy **(TLCD Architecture)**, Jay Leininger **(Kurt Hirtzer Inspection Services)**, Barbara Lundberg **(RHAA)**, Samantha Maddox **(Napa Valley Community College District)**, John Martin **(RHAA)**, Aimee McArthur **(TLCD Architecture)**, Mickale McChristian **(Midstate Construction)**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, a Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

Question from Mickale McChristian (Midstate Construction) at 01:59 PM on 06/10/2024

There is a section of chain link fence at the south end behind the old Ag lab bldg. Its not shown on the plans as existing or to be removed, is it to remain or will it be removed when the Ag Lab is demolished? Please advise

BY **DATE** **COPIES TO**

RFI #005

TLCD Architecture
520 Third Street #250
Santa Rosa, California 95401
Phone: (707) 525-5600

Project: 21062.00 - NVC Wine Education Center
2277 Napa-Vallejo Hwy
Napa, California 94558

Official Response

Official Response: **Tim Souza (TEP Engineering)** *responded on Wednesday, July 17th, 2024 at 7:33AM PDT*

See attached with comments. See sheet P-101 , the new gas line connects just before the branch to the wine storage building.

Tim Souza
TEP

Attachments:
RFI 005 - Gas line service - Attachment for Gas Line RFI with TEP comments 2024-07-17.pdf

Official Response

Official Response: **Paul Bartholow (Brelje and Race Consulting Engineers)** *responded on Tuesday, July 16th, 2024 at 7:46AM PDT*

Gas line design and details are part of the plumbing plans and not part of the civil plans.
please refer to the pluming/mechanical engineer for point of connection and valve issues.

Attachments:

Gas line to service the new bldg. and bldgs downstream of the gas meter

TO:	Dennis Kennedy **(TLCD Architecture)**	**FROM:**	Mickale McChristian **(Midstate Construction)** 1180 Holm Rd Petaluma, CA, 94954
DATE INITIATED:	07/11/ 2024	**STATUS:**	Closed on 07/22/24
LOCATION:		**DUE DATE:**	07/16/2024
COST CODE:		**REFERENCE:**	
COST IMPACT:		**SCHEDULE IMPACT:**	
DRAWING NUMBER:		**SPEC SECTION:**	
LINKED DRAWINGS:			
RECEIVED FROM:			

COPIES TO:
Ken Burroughs **(Kitchell CEM)**, James Evans **(Midstate Construction)**, Garrett Hull **(Midstate Construction)**, Dennis Kennedy **(TLCD Architecture)**, Jay Leininger **(Kurt Hirtzer Inspection Services)**, Samantha Maddox **(Napa Valley Community College District)**, Aimee McArthur **(TLCD Architecture)**, Mickale McChristian **(Midstate Construction)**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, a Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

Question from Mickale McChristian (Midstate Construction) at 01:01 PM on 07/11/2024

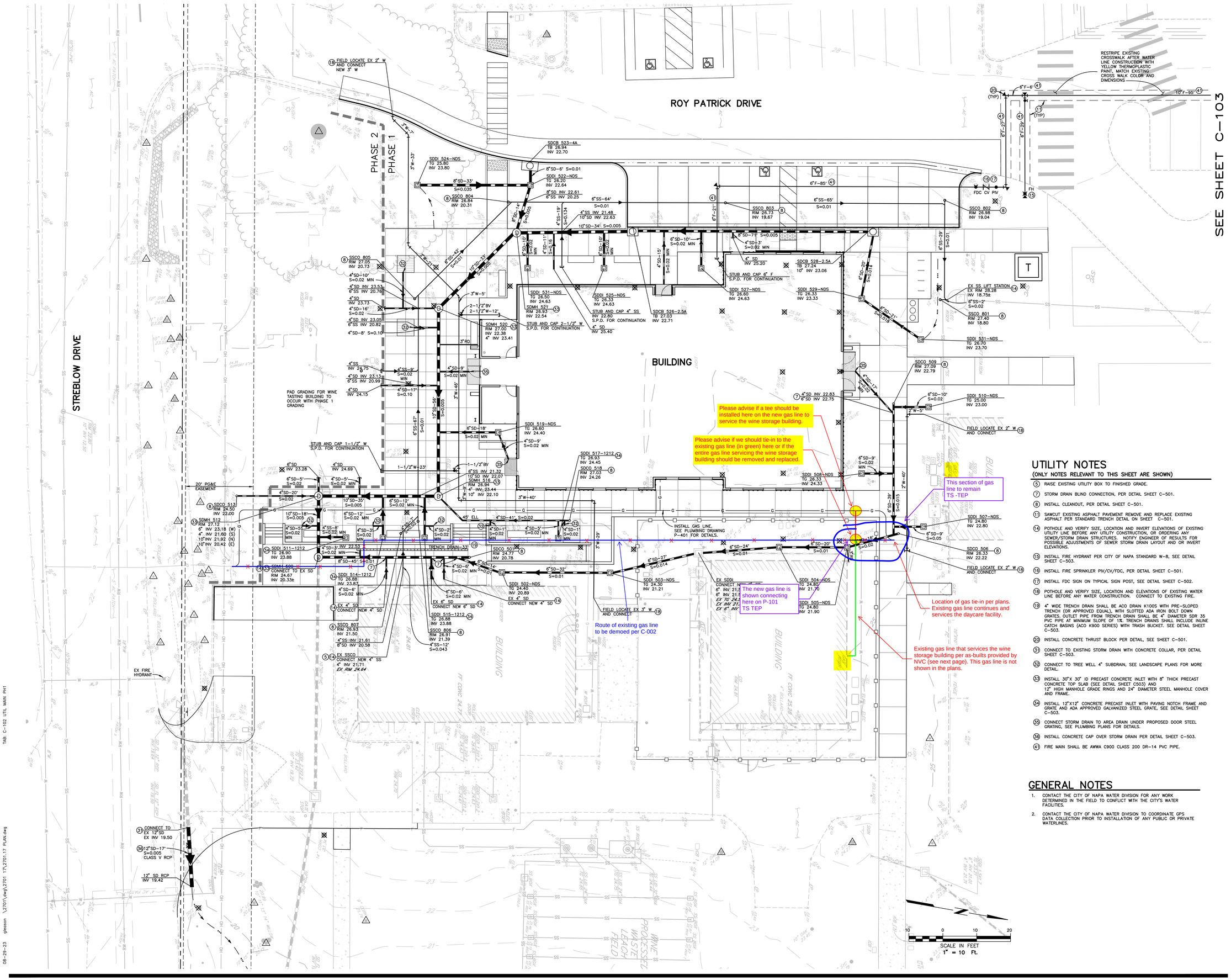
The new gas line shows it stopping at the northeast corner of bldg. 32300 "D", where is the tie in point?
Please advise if a tee should be installed on the new gas line to service the wine storage bldg.
Please advise if we should tie-in to the existing gas line servicing the wine storage bldg per the attachment or if the entire gas line servicing the wine storage bldg. should be removed and replaced.
Please advise if additional valves will need to be installed to help mitigate shutting gas off to down stream bldgs. during construction.

Attachments:
Attachment for Gas Line RFI.pdf

TLCD ARCHITECTURE

RFI #005

BY	DATE	COPIES TO



UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

(5) RAISE EXISTING UTILITY BOX TO FINISHED GRADE.

(7) STORM DRAIN BLIND CONNECTION, PER DETAIL SHEET C-501.

(8) INSTALL CLEANOUT, PER DETAIL SHEET C-501.

(11) SAWCUT EXISTING ASPHALT PAVEMENT REMOVE AND REPLACE EXISTING ASPHALT PER STANDARD TRENCH DETAIL ON SHEET C-501.

(14) POTHOLE AND VERIFY SIZE, LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITY LINE BEFORE ANY UTILITY CONSTRUCTION, OR ORDERING ANY SEWER/STORM DRAIN STRUCTURES. NOTIFY ENGINEER OF RESULTS FOR POSSIBLE ADJUSTMENTS OF SEWER STORM DRAIN LAYOUT AND OR INVERT ELEVATIONS.

(15) INSTALL FIRE HYDRANT PER CITY OF NAPA STANDARD W-8, SEE DETAIL SHEET C-503.

(16) INSTALL FIRE SPRINKLER PIV/CV/FDC, PER DETAIL SHEET C-501.

(17) INSTALL FDC SIGN ON TYPICAL SIGN POST, SEE DETAIL SHEET C-502.

(18) POTHOLE AND VERIFY SIZE, LOCATION AND ELEVATIONS OF EXISTING WATER LINE BEFORE ANY WATER CONSTRUCTION. CONNECT TO EXISTING FIRE.

(19) 4" WIDE TRENCH DRAIN SHALL BE ACO DRAIN K100S WITH PRE-SLOPED TRENCH (OR APPROVED EQUAL), WITH SLOTTED ADA IRON BOLT DOWN GRATES. OUTLET PIPE FROM TRENCH DRAIN SHALL BE 4" DIAMETER SDR 35 PVC PIPE AT MINIMUM SLOPE OF 1%. TRENCH DRAINS SHALL INCLUDE INLINE CATCH BASINS (ACO K900 SERIES) WITH TRASH BUCKET. SEE DETAIL SHEET C-503.

(20) INSTALL CONCRETE THRUST BLOCK PER DETAIL, SEE SHEET C-501.

(31) CONNECT TO EXISTING STORM DRAIN WITH CONCRETE COLLAR, PER DETAIL SHEET C-503.

(32) CONNECT TO TREE WELL 4" SUBDRAIN, SEE LANDSCAPE PLANS FOR MORE DETAIL.

(33) INSTALL 30"X 30" ID PRECAST CONCRETE INLET WITH 8" THICK PRECAST CONCRETE TOP SLAB (SEE DETAIL SHEET C503) AND 12" HIGH MANHOLE GRADE RINGS AND 24" DIAMETER STEEL MANHOLE COVER AND FRAME.

(34) INSTALL 12"X12" CONCRETE PRECAST INLET WITH PAVING NOTCH FRAME AND GRATE AND ADA APPROVED GALVANIZED STEEL GRATE, SEE DETAIL SHEET C-503.

(35) CONNECT STORM DRAIN TO AREA DRAIN UNDER PROPOSED DOOR STEEL GRATING, SEE PLUMBING PLANS FOR DETAILS.

(36) INSTALL CONCRETE CAP OVER STORM DRAIN PER DETAIL SHEET C-503.

(41) FIRE MAIN SHALL BE AWWA C900 CLASS 200 DR-14 PVC PIPE.

GENERAL NOTES

1. CONTACT THE CITY OF NAPA WATER DIVISION FOR ANY WORK DETERMINED IN THE FIELD TO CONFLICT WITH THE CITY'S WATER FACILITIES.
2. CONTACT THE CITY OF NAPA WATER DIVISION TO COORDINATE GPS DATA COLLECTION PRIOR TO INSTALLATION OF ANY PUBLIC OR PRIVATE WATERLINES.

AGENCY APPROVAL STAMP:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

TLCD ARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

CONSULTANT:

Brelje & Race
CONSULTING ENGINEERS
475 Aviation Boulevard, Suite 120
Santa Rosa, CA 95403
v: 707-576-1322
f: 707-576-0469
www.brce.com

STAMP:

REGISTERED PROFESSIONAL ENGINEER
PATRICK J. BARTHEL
No. 40512
Exp. 3-31-25
CIVIL
STATE OF CALIFORNIA
10/01/23

REVISIONS:

Number	Date	Description

NAPA VALLEY COLLEGE WINE EDUCATION CENTER
2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER: 01-120890
TLCD PROJECT NUMBER: 21062/2701.17
DATE: 8/30/2023
DRAWN BY: PIT
CHECKED BY: RG

PHASE 1 UTILITY PLAN EDUCATION COMPLEX

C-102

TAB: C-102 UTIL MAIN PH1
08-29-23 gleason \2701\dwg\2701 17\2701.17 PLAN.dwg

As-Builts provided by NVC

NOTES:

Not all utilities may be shown.
Some laterals were not accessible & were therefore not located.
Depths shown are to center of conductive utility & are generally +/-10% of actual depth, when not distorted by adjacent conductors. Accuracy of electronic depth decreases when adjacent utilities are located within 5 ft.
Critical depths require verification by potholing.
Sanitary & storm depths are measured from rim to invert level.

Basis of Bearings:
Survey based on coordinates provided by Napa Valley College of CP17. CP17 is a set nail.
CP17 N=1860415.138 E=6482818.795
Bench Mark Datum: CP17=Set Nail
Elevation=22.10

0' 10' 20' 40'

LEGEND:

Sanitary Sewer
Storm Drain
Water
Gas
Unknown
Electric
Telephone

(DIAMETER (INCHES)) (UTILITY NAME) (DEPTH)
6"SS 4'10"

ABBREVIATIONS

AB	ABANDONED	IRC	IRRIGATION CONTROL
BX	BOX	ICV	IRRIGATION CONTROL VALVE
CA	COMPRESSED AIR	IRR	IRRIGATION
CB	CATCH BASIN	JP	JOINT POLE
CI	CAST IRON	LV	LOW VOLTAGE
COM	COMMUNICATION	MH	MANHOLE
CMP	CORRUGATED METAL PIPE	NA	NOT ACCESSABLE
CO	CLEAN OUT	NL	NOT LOCATED
CP	TEST CORROSION PROTECTION BOX	NT	NO TRACDE
E	ELECTRIC	OE	OPEN END
EOP	END OF PIPE	OBST	OBSTRUCTED
EOT	END OF TRACE	PIV	POST INDICATOR VALVE
FDC	FIRE DEPARTMENT CONNECTION	PS	POOR SIGNAL
FO	FIBER OPTIC	RF	RADIO FREQUENCY
FOD	FULL OF DIRT/DEBRIS	RCP	REINFORCED CONCRETE PIPE
FW	FIRE WATER	RL	RAIN LEADER
G	GAS	-RSR	" " - RISER
GA	GAS ANODE	RW	RECYCLED WATER
GBX	GAS BOX	SD	STORM DRAIN
GM	GAS METER	SIG	SIGNAL
GND	GROUND WIRE	SL	STREET LIGHT
GPR	GROUND PENETRATING RADAR	SS	SANITARY SEWER
GV	GAS VALVE	T	TELEPHONE
HV	HIGH VOLTAGE	TOP	TOP OF PIPE
HYD	FIRE HYDRANT	TON	TOP OF VALVE NUT
IBX	IRRIGATION BOX	UN	UNKNOWN UTILITY
		WBX	WATER BOX
		WM	WATER METER
		WV	WATER VALVE

SOME SERVICES FEEDING 3000D, INCLUDING TELEPHONE, ELETRIC, ETC., HAVE NOT BEEN LOCATED OR CONFIRMED

3200A
3200B
3200C
3200D
SS EJECTOR STATION
EMERGENCY TELEPHONE
SS LEACH FIELD
POSSIBLE BURIED CATCH BASIN
CP17

RFI #006

TLCD Architecture
520 Third Street #250
Santa Rosa, California 95401
Phone: (707) 525-5600

Project: 21062.00 - NVC Wine Education Center
2277 Napa-Vallejo Hwy
Napa, California 94558

Official Response

Official Response: **Ryan Gleason (Brelje and Race Consulting Engineers)** *responded on Monday, July 22nd, 2024 at 10:01AM PDT*
Two of the proposed changes are acceptable and two are not acceptable. See attached PDF for the location of the acceptable changes.

Attachments:
Machado Storm Drain Rerouting RFI.pdf

Reroute Storm Drain Piping

TO:	Paul Bartholow **(Brelje and Race Consulting Engineers)**	**FROM:**	Garrett Hull **(Midstate Construction)** 1180 Holm Rd Petaluma, CA, 94954
DATE INITIATED:	07/19/ 2024	**STATUS:**	Closed on 07/22/24
LOCATION:		**DUE DATE:**	07/24/2024
COST CODE:		**REFERENCE:**	
COST IMPACT:		**SCHEDULE IMPACT:**	
DRAWING NUMBER:	C-102	**SPEC SECTION:**	
LINKED DRAWINGS:			
RECEIVED FROM:			

COPIES TO:
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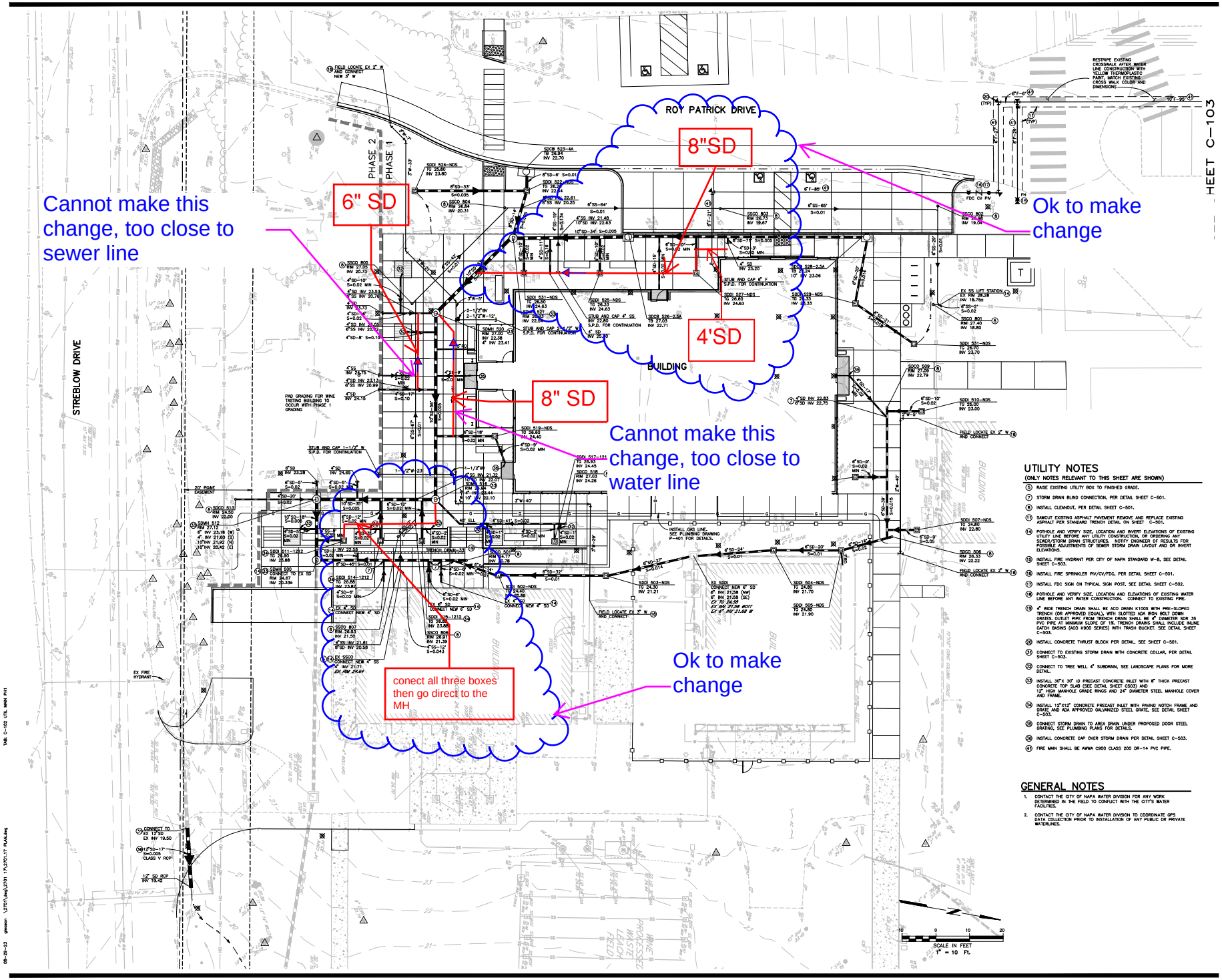
Question from Garrett Hull (Midstate Construction) at 03:04 PM on 07/19/2024

Machado Brothers is proposing to reroute some of the storm drain piping to minimize crossings with other utilities. Please see the attachment for the proposed storm drain rerouting and advise if this is acceptable.

Attachments:
Machado Storm Drain Rerouting RFI.pdf

BY **DATE** **COPIES TO**



UTILITY NOTES

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

5. RAISE EXISTING UTILITY BOX TO FINISHED GRADE.
7. STORM DRAIN BLIND CONNECTION, PER DETAIL SHEET C-501.
8. INSTALL CLEANOUT, PER DETAIL SHEET C-501.
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16. INSTALL FIRE SPRINKLER PIV/CV/FDC, PER DETAIL SHEET C-501.
17. INSTALL FDC SIGN ON TYPICAL SIGN POST, SEE DETAIL SHEET C-502.
18. POTHOLE AND VERIFY SIZE, LOCATION AND ELEVATIONS OF EXISTING WATER LINE BEFORE ANY WATER CONSTRUCTION. CONNECT TO EXISTING FIRE.
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20. INSTALL CONCRETE THRUST BLOCK PER DETAIL, SEE SHEET C-501.
21. CONNECT TO EXISTING STORM DRAIN WITH CONCRETE COLLAR, PER DETAIL SHEET C-503.
22. CONNECT TO TREE WELL 4" SUBDRAIN, SEE LANDSCAPE PLANS FOR MORE DETAIL.
23. INSTALL 30"X 30" ID PRECAST CONCRETE INLET WITH 8" THICK PRECAST CONCRETE TOP SLAB (SEE DETAIL SHEET C503) AND 12" HIGH MANHOLE GRADE RINGS AND 24" DIAMETER STEEL MANHOLE COVER AND FRAME.
24. INSTALL 12"X12" CONCRETE PRECAST INLET WITH PAVING NOTCH FRAME AND GRATE AND ADA APPROVED GALVANIZED STEEL GRATE, SEE DETAIL SHEET C-503.
25. CONNECT STORM DRAIN TO AREA DRAIN UNDER PROPOSED DOOR STEEL GRATING, SEE PLUMBING PLANS FOR DETAILS.
26. INSTALL CONCRETE CAP OVER STORM DRAIN PER DETAIL SHEET C-503.
41. FIRE MAIN SHALL BE AWWA C900 CLASS 200 DR-14 PVC PIPE.

GENERAL NOTES

1. CONTACT THE CITY OF NAPA WATER DIVISION FOR ANY WORK DETERMINED IN THE FIELD TO CONFLICT WITH THE CITY'S WATER FACILITIES.
2. CONTACT THE CITY OF NAPA WATER DIVISION TO COORDINATE GPS DATA COLLECTION PRIOR TO INSTALLATION OF ANY PUBLIC OR PRIVATE WATERLINES.

SCALE IN FEET
1" = 10' FT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-126890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

TLCDARCHITECTURE
520 Third St. #250
Santa Rosa, CA 95401
o: 707.525.5600
f: 707.525.5616
tlcd.com

Brelje & Race
CONSULTING ENGINEERS
475 Aviation Boulevard, Suite 120
Santa Rosa, CA 95403
v: 707-576-1322
f: 707-576-0469
www.brce.com

NUMBER	DATE	DESCRIPTION

NAPA VALLEY COLLEGE WINE EDUCATION CENTER
2277 NAPA VALLEJO HWY
NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER
01-126890
TLCD PROJECT NUMBER
21080701.17
DATE
8/30/2023
DRAWN BY
PHT
CHECKED BY
RG

PHASE 1
UTILITY PLAN
EDUCATION
COMPLEX

C-102

TABLE: C-102 UTIL MAIN PH1
08-29-23 gleason \21070\Comp\21070 17\21070.17 PLAN.dwg

RFI #009

TLCD Architecture
520 Third Street #250
Santa Rosa, California 95401
Phone: (707) 525-5600

Project: 21062.00 - NVC Wine Education Center
2277 Napa-Vallejo Hwy
Napa, California 94558

Official Response

Official Response: **Tim Souza (TEP Engineering)** *responded on Wednesday, August 14th, 2024 at 2:22PM PDT*
Even though these are not shown on the diagram, we **do** want these systems on the EMS system, so YES connect the M-net communication to the central controller CN-1 in room 110.

Attachments:

OU-1 and OU-2 M-Net Communication

TO:	Dennis Kennedy **(TLCD Architecture)**	**FROM:**	Mickale McChristian **(Midstate Construction)** 1180 Holm Rd Petaluma, CA, 94954
DATE INITIATED:	08/04/ 2024	**STATUS:**	Closed on 08/15/24
LOCATION:		**DUE DATE:**	08/09/2024
COST CODE:		**REFERENCE:**	
COST IMPACT:		**SCHEDULE IMPACT:**	
DRAWING NUMBER:	M-001,M-601, M-602	**SPEC SECTION:**	
LINKED DRAWINGS:			
RECEIVED FROM:			

COPIES TO:
Ken Burroughs **(Kitchell CEM)**, James Evans **(Midstate Construction)**, Garrett Hull **(Midstate Construction)**, Dennis Kennedy **(TLCD Architecture)**, Jay Leininger **(Kurt Hirtzer Inspection Services)**, Samantha Maddox **(Napa Valley Community College District)**, Aimee McArthur **(TLCD Architecture)**, Mickale McChristian **(Midstate Construction)**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, a Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

Question from Mickale McChristian (Midstate Construction) at 01:39 PM on 08/04/2024

On M-001 Equipment Schedule OU-1 and OU-2 are indicated with "M-NET COMMUNICATION".
However Drawing M-601 does not show OU-1 or OU-2 is in the M-NET network. Please confirm that OU-1 and OU-2 are NOT in the "M-NET COMMUNICATION" and OU-1, OU-2, IU-1, or IU-2 will NOT be integrated to BMS via BACnet.

Attachments:
M-001-MECHANICAL-SCHEDULES-&-NOTES-Rev.0.pdf M-601-MECHANICAL-VRF-SYSTEM-DSA-Rev.0.pdf M-602-MECHANICAL-CONTROLS-Rev.0.pdf

BY **DATE** **COPIES TO**

RFI #010

TLCD Architecture
520 Third Street #250
Santa Rosa, California 95401
Phone: (707) 525-5600

Project: 21062.00 - NVC Wine Education Center
2277 Napa-Vallejo Hwy
Napa, California 94558

Official Response

Official Response: **Justin Kirk (O'Mahony & Myer, Inc.)** *responded on Tuesday, August 20th, 2024 at 11:33AM PDT*

Electrical Response:
Please revise the connections for units IU-1 and IU-2. In lieu of the 208V, 1Ph branch circuit home runs shown; provide ¾" C. between each Indoor and Outdoor Unit, for control cabling by Mechanical Controls contractor. Also revise the safety switch disconnects to be 3-pole, in lieu of 2-pole shown.

Justin Kirk
OMM

Attachments:

Official Response

Official Response: **Tim Souza (TEP Engineering)** *responded on Wednesday, August 14th, 2024 at 4:18PM PDT*

For the mini-splits indoor units IU-1 & IU-2, they need to be powered (with 3 pole disconnect) from the corresponding outdoor unit OU-1 & OU-2 with 14/3 AWG cable (3 conductors + ground). See attached from installation manual and a detail.

Attachments:
Control and Power for Mini splits TRUY-TRUZ_KA_HA-70NA_BA_INSTALL_BG79U896K06.pdf,Mitsubishi Mini split power & control wiring.pdf

Official Response

Official Response: **Tim Souza (TEP Engineering)** *responded on Wednesday, August 14th, 2024 at 3:16PM PDT*

Follow the attached cable specification from Mitsubishi installation manual, provide cabling meeting this specifications. The M-net is shielded cable and the controller is unshielded cable.

Attachments:
Control cable spec for VRF M-net & remote.pdf

VRF Control Wiring

TO:	Dennis Kennedy **(TLCD Architecture)**	**FROM:**	Mickale McChristian **(Midstate Construction)** 1180 Holm Rd Petaluma, CA, 94954
DATE INITIATED:	08/09/ 2024	**STATUS:**	Closed on 08/22/24
LOCATION:		**DUE DATE:**	08/14/2024
COST CODE:		**REFERENCE:**	
COST IMPACT:		**SCHEDULE IMPACT:**	
DRAWING NUMBER:	M-601	**SPEC SECTION:**	
LINKED DRAWINGS:			
RECEIVED FROM:			

COPIES TO:
Ken Burroughs **(Kitchell CEM)**, James Evans **(Midstate Construction)**, Garrett Hull **(Midstate Construction)**, Dennis Kennedy **(TLCD Architecture)**, Jay Leininger **(Kurt Hirtzer Inspection Services)**, Samantha Maddox **(Napa Valley Community College District)**, Aimee McArthur **(TLCD Architecture)**, Mickale McChristian **(Midstate Construction)**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, a Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

TLCD ARCHITECTURE

RFI #010

Question from Mickale McChristian (Midstate Construction) at 10:51 AM on 08/09/2024

Please clarify VRF control wiring specification. There are few conflicts on this topic throughout various documents.
1. On M-601, CONTROL WIRING section, it is said: A. Between the controller (thermostat) and fan coil shall be 18 gauge, stranded, unshielded sheathed 2 conductor plenum rated cable.
2. On M601 Detail #1: Between the controller (thermostat) and fan coil shows 16-2 AWG
3. on VRF Submittal Page 16, between the controller (thermostat) and fan coil shows 16-2 AWG
4. on VRF Submittal Page 55, it is said 22/2 AWG required

In Control Submittal, we identified to use 22 gauge unshielded cable between thermostat and VRF fan coils.

BY **DATE** **COPIES TO**

4. Installing the refrigerant piping

4.6. Addition of refrigerant

- Additional charging is not necessary if the pipe length does not exceed 21 m, 70 ft for TRU*A0121KA70N*, TRU*A0181KA70N*, TRU*A0241HA70N*, TRU*A0301HA70N*, 30 m 100 ft for TRU*A0361KA70N*, TRU*A0421KA70N*.
- If the pipe length exceeds the specified length above, charge the unit with additional R410A refrigerant according to the permitted pipe lengths in the chart below.

Notes:

1. When the unit is stopped, charge the unit with the additional refrigerant through the liquid stop valve after the pipe extensions and indoor unit have been vacumized.
   When the unit is operating, add refrigerant to the gas check valve using a safety charger. Do not add liquid refrigerant directly to the check valve.
2. After charging the unit with refrigerant, note the added refrigerant amount on the service label (attached to the unit).
   Refer to the “1.5. Using R410A refrigerant air conditioners” for more information.

- Be careful when installing multiple units. Connecting to an incorrect indoor unit can lead to abnormally high pressure and have a serious effect on operation performance.

Model	Max pipe length	Max height difference	Additional refrigerant charging amount (kg/oz)																	
			21 m 70 ft	24 m 80 ft	27 m 90 ft	30 m 100 ft	34 m 110 ft	37 m 120 ft	40 m 130 ft	43 m 140 ft	46 m 150 ft	49 m 160 ft	50 m 165 ft	52 m 170 ft	55 m 180 ft	58 m 190 ft	61 m 200 ft	64 m 210 ft	67 m 220 ft	69 m 225 ft
TRUZA0121KA70N* TRUZA0181KA70N*	30 m, 100 ft	30 m, 100 ft	0	0.06 kg 2 oz	0.11 kg 4 oz	0.17 kg 6 oz	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRUZA0241HA70N* TRUZA0301HA70N*	50 m, 165 ft	30 m, 100 ft	0	0.20 kg 7 oz	0.40 kg 14 oz	0.60 kg 21 oz	0.79 kg 28 oz	0.99 kg 35 oz	1.19 kg 42 oz	1.39 kg 49 oz	1.59 kg 56 oz	1.79 kg 63 oz	1.89 kg 67 oz	-	-	-	-	-	-	-
TRUZA0361KA70N* TRUZA0421KA70N*	50 m, 165 ft	30 m, 100 ft	0	0	0	0	0.20 kg 7 oz	0.40 kg 14 oz	0.26 kg 21 oz	0.79 kg 28 oz	0.99 kg 35 oz	1.19 kg 42 oz	1.29 kg 46 oz	-	-	-	-	-	-	-
TRUYA0121KA70N* TRUYA0181KA70N*	50 m, 165 ft	30 m, 100 ft	0	0.03 kg 1 oz	0.06 kg 2 oz	0.09 kg 3 oz	0.11 kg 4 oz	0.14 kg 5 oz	0.17 kg 6 oz	0.20 kg 7 oz	0.23 kg 8 oz	0.26 kg 9 oz	0.27 kg 10 oz	-	-	-	-	-	-	-
TRUYA0241HA70N* TRUYA0301HA70N*	69 m, 225 ft	30 m, 100 ft	0	0.09 kg 3 oz	0.17 kg 6 oz	0.26 kg 9 oz	0.34 kg 12 oz	0.43 kg 15 oz	0.51 kg 18 oz	0.60 kg 21 oz	0.68 kg 24 oz	0.77 kg 27 oz	0.81 kg 29 oz	0.85 kg 30 oz	0.94 kg 33 oz	1.02 kg 36 oz	1.11 kg 39 oz	1.19 kg 42 oz	1.28 kg 45 oz	1.32 kg 47 oz
TRUYA0361KA70N* TRUYA0421KA70N*	69 m, 225 ft	30 m, 100 ft	0	0	0	0	0.09 kg 3 oz	0.17 kg 6 oz	0.26 kg 9 oz	0.34 kg 12 oz	0.43 kg 15 oz	0.51 kg 18 oz	0.55 kg 20 oz	0.60 kg 21 oz	0.68 kg 24 oz	0.77 kg 27 oz	0.85 kg 30 oz	0.94 kg 33 oz	1.02 kg 36 oz	1.06 kg 38 oz

5. Drainage piping work

Outdoor unit drainage pipe connection

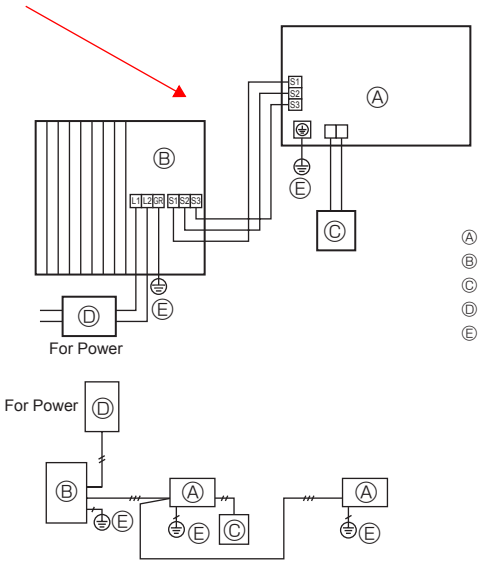
When drain piping is necessary, use the drain socket or the drain pan (option).

	TRU*A0121KA70N* TRU*A0181KA70N*	TRU*A0241HA70N* TRU*A0301HA70N*	TRU*A0361KA70N* TRU*A0421KA70N*
Drain socket	PAC-SJ08DS-E	PAC-SG61DS-E	
Drain pan	PAC-SG63DP-E	PAC-SG64DP-E	PAC-SH97DP-E

6. Electrical work

6.1. Outdoor unit (Fig. 6-1, Fig. 6-2)

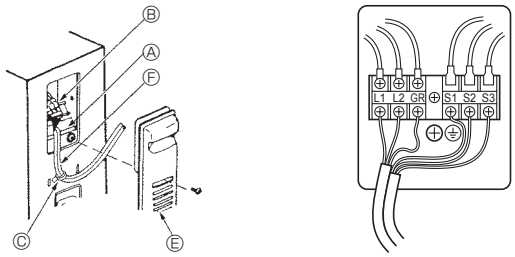
① Remove the service panel.
② Wire the cables referring to the Fig. 6-1 and the Fig. 6-2.



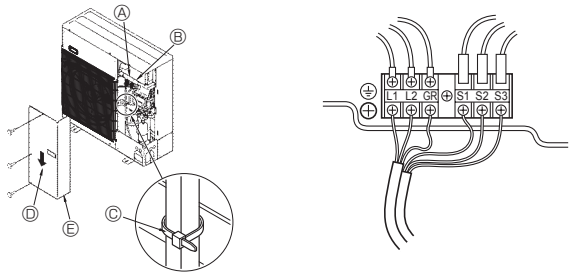
Ⓐ Indoor unit
Ⓑ Outdoor unit
Ⓒ Remote controller
Ⓓ Main switch (Breaker)
Ⓔ Earth

Fig. 6-1

■ **TRU*A0121KA70N***
TRU*A0181KA70N*



■ **TRU*A0241HA70N*, TRU*A0301HA70N***
TRU*A0361KA70N*, TRU*A0421KA70N*

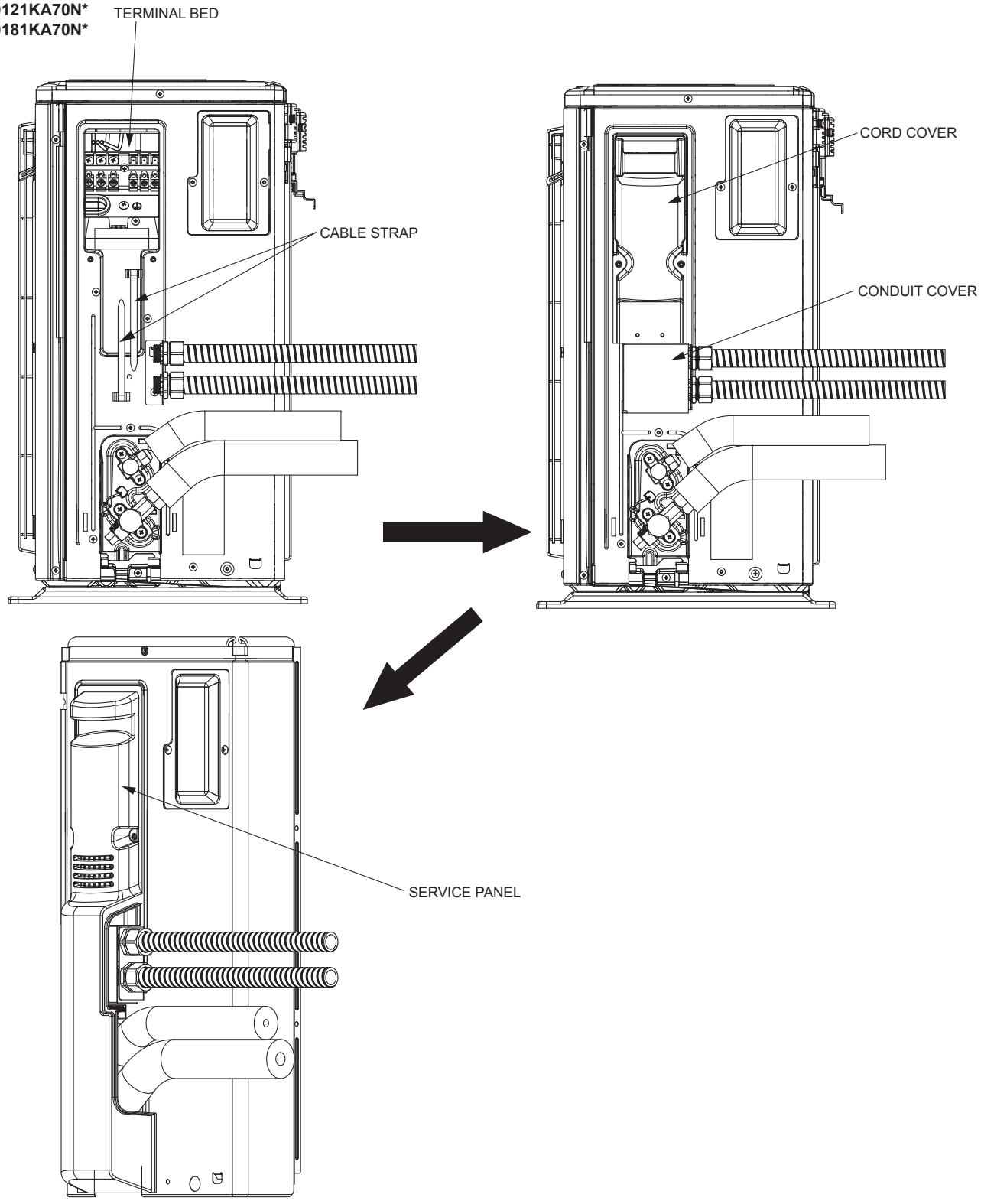


Ⓐ Earth terminal
Ⓑ Terminal block
Ⓒ Clamp
Ⓓ Service panel
Ⓔ Wire the cables so that they do not contact the center of the service panel or the gas valve.

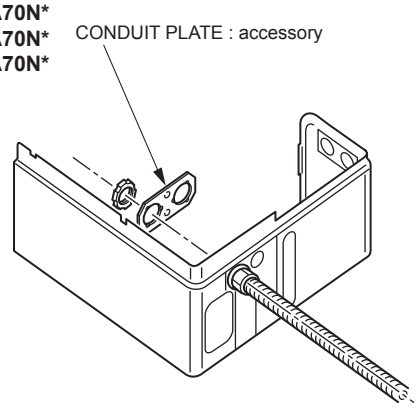
Fig. 6-2

en

■ **TRU*A0121KA70N***
TRU*A0181KA70N*



■ **TRU*A0241HA70N***
TRU*A0301HA70N*
TRU*A0361KA70N*
TRU*A0421KA70N*



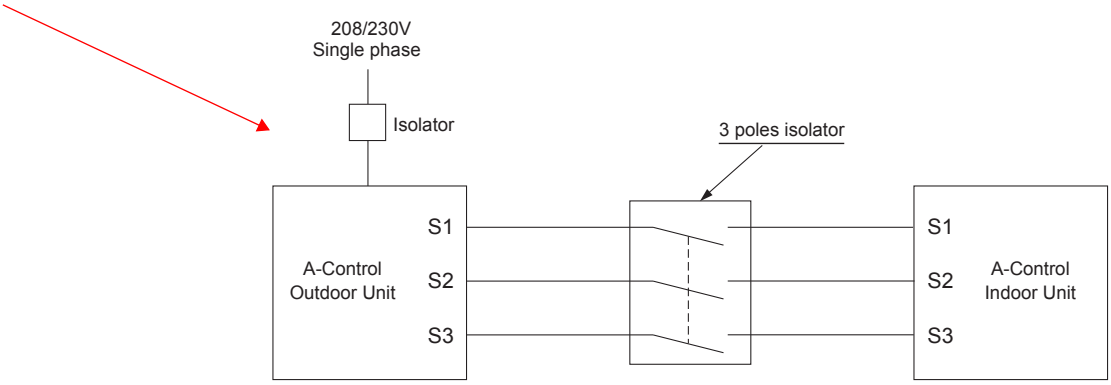
6. Electrical work

6.2. Field electrical wiring

Outdoor unit model			TRU*A0121KA70N*	TRU*A0181KA70N*	TRU*A0241HA70N*	TRU*A0301HA70N*	TRU*A0361KA70N*	TRU*A0421KA70N*
Outdoor unit power supply			~/N (single), 60Hz, 208/230 V	~/N (single), 60Hz, 208/230 V	~/N (single), 60Hz, 208/230 V	~/N (single), 60Hz, 208/230 V	~/N (single), 60Hz, 208/230 V	~/N (single), 60Hz, 208/230 V
Outdoor unit input capacity Main switch (Breaker) *1			15 A	15 A	25 A	25 A	30 A	30 A
Wiring Wire No. x size (mm^2)	Outdoor unit power supply		2 x Min. AWG 14	2 × Min. AWG 14	2 × Min. AWG 12	2 × Min. AWG 12	2 × Min. AWG 10	2 × Min. AWG 10
	Indoor unit-Outdoor unit	*2	3 x AWG 14 (polar)	3 x AWG 14 (polar)	3 x AWG 14 (polar)	3 x AWG 14 (polar)	3 x AWG 14 (polar)	3 x AWG 14 (polar)
	Indoor unit-Outdoor unit earth	*2	1 x Min. AWG 14 (polar)	1 x Min. AWG 14 (polar)	1 x Min. AWG 14 (polar)	1 x Min. AWG 14 (polar)	1 x Min. AWG 14 (polar)	1 x Min. AWG 14 (polar)
	Remote controller-Indoor unit	*3	2 × AWG 22 (Non-polar)	2 x AWG 22 (Non-polar)	2 x AWG 22 (Non-polar)	2 x AWG 22 (Non-polar)	2 x AWG 22 (Non-polar)	2 x AWG 22 (Non-polar)
Circuit rating	Outdoor unit L1-L2 (single)	*4	208/230 V AC	208/230 V AC	208/230 V AC	208/230 V AC	208/230 V AC	208/230 V AC
	Indoor unit-Outdoor unit S1-S2 (single)	*4	208/230 V AC	208/230 V AC	208/230 V AC	208/230 V AC	208/230 V AC	208/230 V AC
	Indoor unit-Outdoor unit S2-S3 (single)	*4	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
	Remote controller-Indoor unit	*4	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC	12 V DC

*1. Please follow applicable federal, state, or local codes to prevent potential leakage/electric shock. Or install a ground fault interrupt for the prevention of leakage and electric shock.
*2. Max. 50 m, 164 ft
S3 separated, Max. 80 m, 262 ft
*3. The 10 m, 30 ft wire is attached in the remote controller accessory.
*4. The figures are NOT always against the ground.
S3 terminal has 24V DC against S2 terminal. However between S3 and S1, these terminals are NOT electrically insulated by the transformer or other device.

Notes: 1. Wiring size must comply with the applicable local and national code.
2. Power supply cords, the Indoor-Outdoor connecting cable and the water heater-Outdoor connecting cable shall not be lighter than polychloroprene sheathed flexible cord. (Design 60245 IEC 57)
3. Use an earth wire which is longer than the other cords so that it will not become disconnected when tension is applied.



⚠ **Warning:**
In case of A-control wiring, there is high voltage potential on the S3 terminal caused by electrical circuit design that has no electrical insulation between power line and communication signal line. Therefore, please turn off the main power supply when servicing. And do not touch the S1, S2, S3 terminals when the power is energized. If isolator should be used between indoor unit and outdoor unit, please use 3-pole type.

Never splice the power cable or the indoor-outdoor connection cable, otherwise it may result in a smoke, a fire or communication failure.

7. Test run

7.1. Before test run

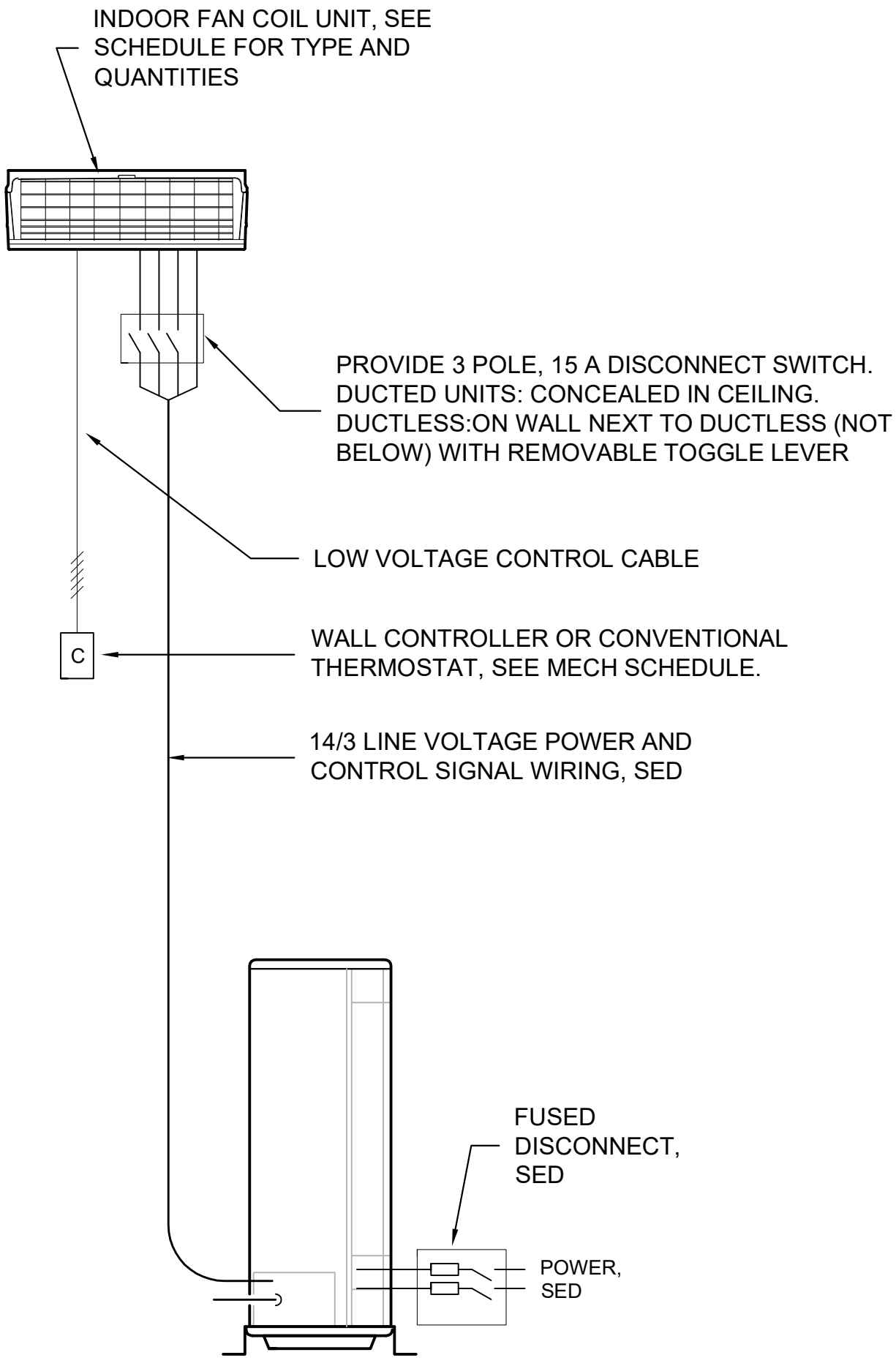
- **After completing installation and the wiring and piping of the indoor and outdoor units, check for refrigerant leakage, looseness in the power supply or control wiring, wrong polarity, and no disconnection of one phase in the supply.**
- **Use a 500-volt megohmmeter to check that the resistance between the power supply terminals and ground is at least 1 MΩ.**
- **Do not carry out this test on the control wiring (low voltage circuit) terminals.**

⚠ **Warning:**
Do not use the air conditioner if the insulation resistance is less than 1 MΩ.

Insulation resistance
After installation or after the power source to the unit has been cut for an extended period, the insulation resistance will drop below 1 MΩ due to refrigerant accumulating in the compressor. This is not a malfunction. Perform the following procedures.
1. Remove the wires from the compressor and measure the insulation resistance of the compressor.
2. If the insulation resistance is below 1 MΩ, the compressor is faulty or the resistance dropped due the accumulation of refrigerant in the compressor.
3. After connecting the wires to the compressor, the compressor will start to warm up after power is supplied. After supplying power for the times indicated below, measure the insulation resistance again.
   • The insulation resistance drops due to accumulation of refrigerant in the compressor. The resistance will rise above 1 MΩ after the compressor is warmed up for 12 hours.
   (The time necessary to warm up the compressor varies according to atmospheric conditions and refrigerant accumulation.)
   • To operate the compressor with refrigerant accumulated in the compressor, the compressor must be warmed up at least 12 hours to prevent breakdown.
4. If the insulation resistance rises above 1 MΩ, the compressor is not faulty.

⚠ **Caution:**
- **The compressor will not operate unless the power supply phase connection is correct.**
- **Turn on the power at least 12 hours before starting operation.**
- Starting operation immediately after turning on the main power switch can result in severe damage to internal parts. Keep the power switch turned on during the operational season.

en


INDOOR FAN COIL UNIT, SEE SCHEDULE FOR TYPE AND QUANTITIES
PROVIDE 3 POLE, 15 A DISCONNECT SWITCH. DUCTED UNITS: CONCEALED IN CEILING. DUCTLESS:ON WALL NEXT TO DUCTLESS (NOT BELOW) WITH REMOVABLE TOGGLE LEVER
LOW VOLTAGE CONTROL CABLE
C
WALL CONTROLLER OR CONVENTIONAL THERMOSTAT, SEE MECH SCHEDULE.
14/3 LINE VOLTAGE POWER AND CONTROL SIGNAL WIRING, SED
FUSED DISCONNECT, SED
POWER, SED

10-3. Control cable specifications

• Transmission cable

Type	2-core shielded cable CVVS, CPEVS, or MVVS
Size	1.25 mm^2 (AWG 16)
Length	Max. 200 m (656 ft)
Remarks	The maximum allowable length of transmission cables via outdoor units (both centralized control transmission cables and indoor-outdoor transmission cables) is 500 m (1640 ft)*1. The maximum allowable length of transmission cables from the power supply unit to each outdoor unit or to the system controller is 200 m (656 ft).

* Do not use a single multiple-core cable to connect indoor units that belong to different refrigerant systems. The use of a multiple-core cable may result in signal transmission errors and malfunctions.
* Ensure shield continuity when extending the transmission cable.
*1 When extending the length of the transmission cables to 1000 m (3280 ft), consult your dealer.

• Remote controller cable

	ME remote controller cable	MA remote controller cable
Type	2-core sheathed cable (unshielded) CVV	
Size	0.3–1.25 mm^2 (AWG 22–16) (0.75–1.25 mm^2 (AWG 18–16) if a simple remote controller is connected)	
Length	Max. 10 m (32 ft) * If the length exceeds 10 m (32 ft), use a 1.25 mm^2 (AWG 16) shielded cable.	Max. 200 m (656 ft)

RFI #020

TLCD Architecture
520 Third Street #250
Santa Rosa, California 95401
Phone: (707) 525-5600

Project: 21062.00 - NVC Wine Education Center
2277 Napa-Vallejo Hwy
Napa, California 94558

Manufactured Coping Attachment

TO:	Dennis Kennedy **(TLCD Architecture)**	**FROM:**	Mickale McChristian **(Midstate Construction)** 1180 Holm Rd Petaluma, CA, 94954
DATE INITIATED:	09/23/ 2024	**STATUS:**	Open
LOCATION:		**DUE DATE:**	09/28/2024
COST CODE:		**REFERENCE:**	
COST IMPACT:		**SCHEDULE IMPACT:**	
DRAWING NUMBER:		**SPEC SECTION:**	
LINKED DRAWINGS:			
RECEIVED FROM:			

COPIES TO:
Ken Burroughs **(Kitchell CEM)**, James Evans **(Midstate Construction)**, Garrett Hull **(Midstate Construction)**, Dennis Kennedy **(TLCD Architecture)**, Jay Leininger **(Kurt Hirtzer Inspection Services)**, Samantha Maddox **(Napa Valley Community College District)**, Mickale McChristian **(Midstate Construction)**, Carl Servais **(TLCD Architecture)**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, a Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

Question from Mickale McChristian (Midstate Construction) at 10:49 AM on 09/23/2024

The manufactured coping supplier mentioned that one of the cleats is shown fastening into the end grain of the plywood nailer. A metal angle will need to be added to move the attachment point. However this can be eliminated by changing the plywood to a solid piece of 2x lumber. This would simplify install and avoid extra work. Please review the attachment and advise if a lumber nailer can be used in lieu of plywood.

Attachments:
WCASM RFI 1 - Coping attachment.pdf

All Replies:

BY **DATE** **COPIES TO**

REQUEST FOR INFORMATION

TO: Midstate Construction

DATE: 9/23/2024

ADDRESS: 1180 Holm Rd.

JOB NAME: Napa Velley College WEC

CITY: Petaluma

JOB NO: 24142

STATE: CA ZIP: 94954

RFI #: 1

ATTN: Garrett Hull

SUBJECT: Manufactured Coping Attachment

MESSAGE:

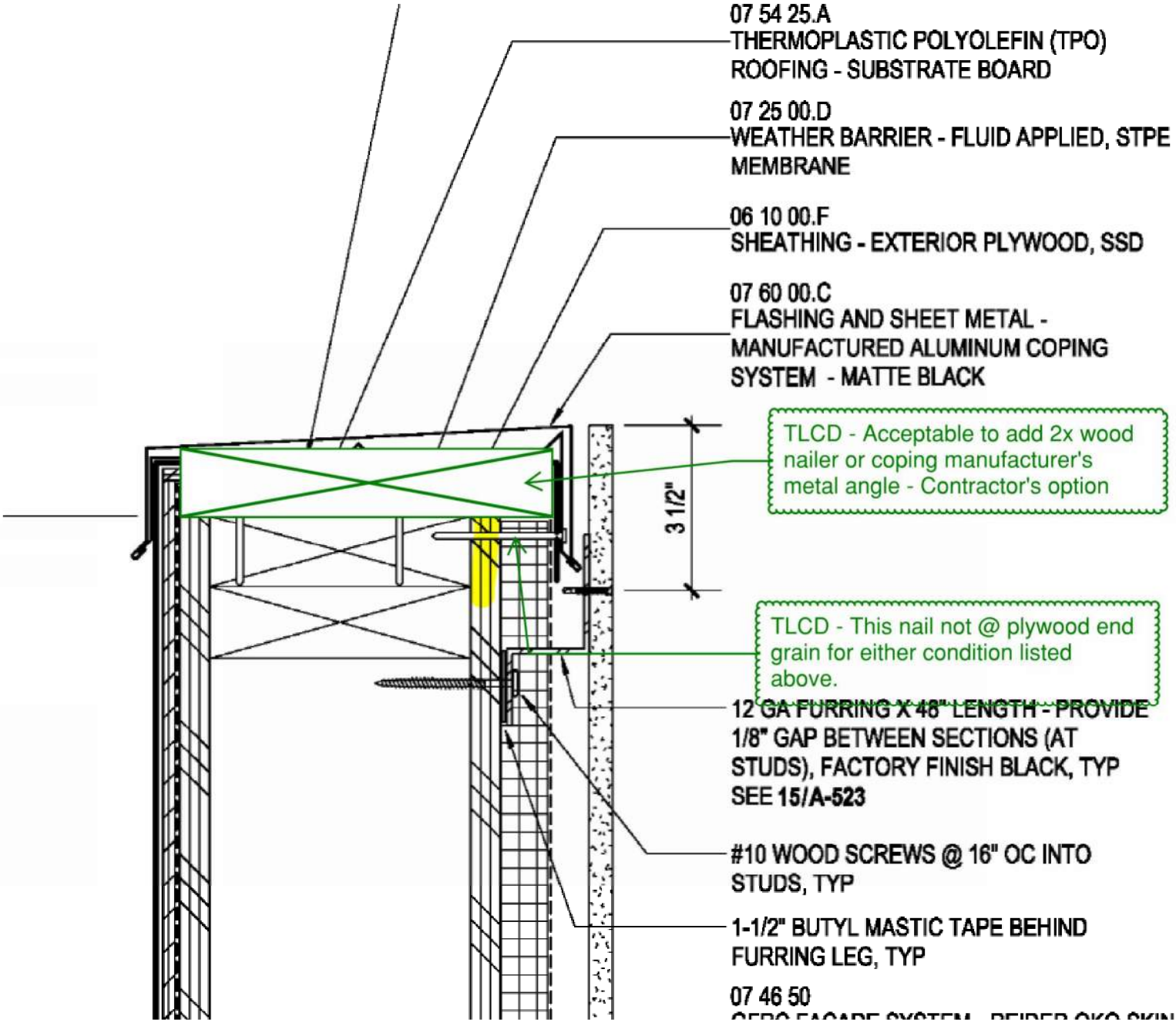
The manufactured coping supplier mentioned that one of the cleats is shown fastening into the end grain of the plywood nailer.

A metal angle will need to be added to move the attachment point.
However this can be eliminated by changing the plywood to a solid piece of 2x lumber.
This would simplify install and avoid extra work.

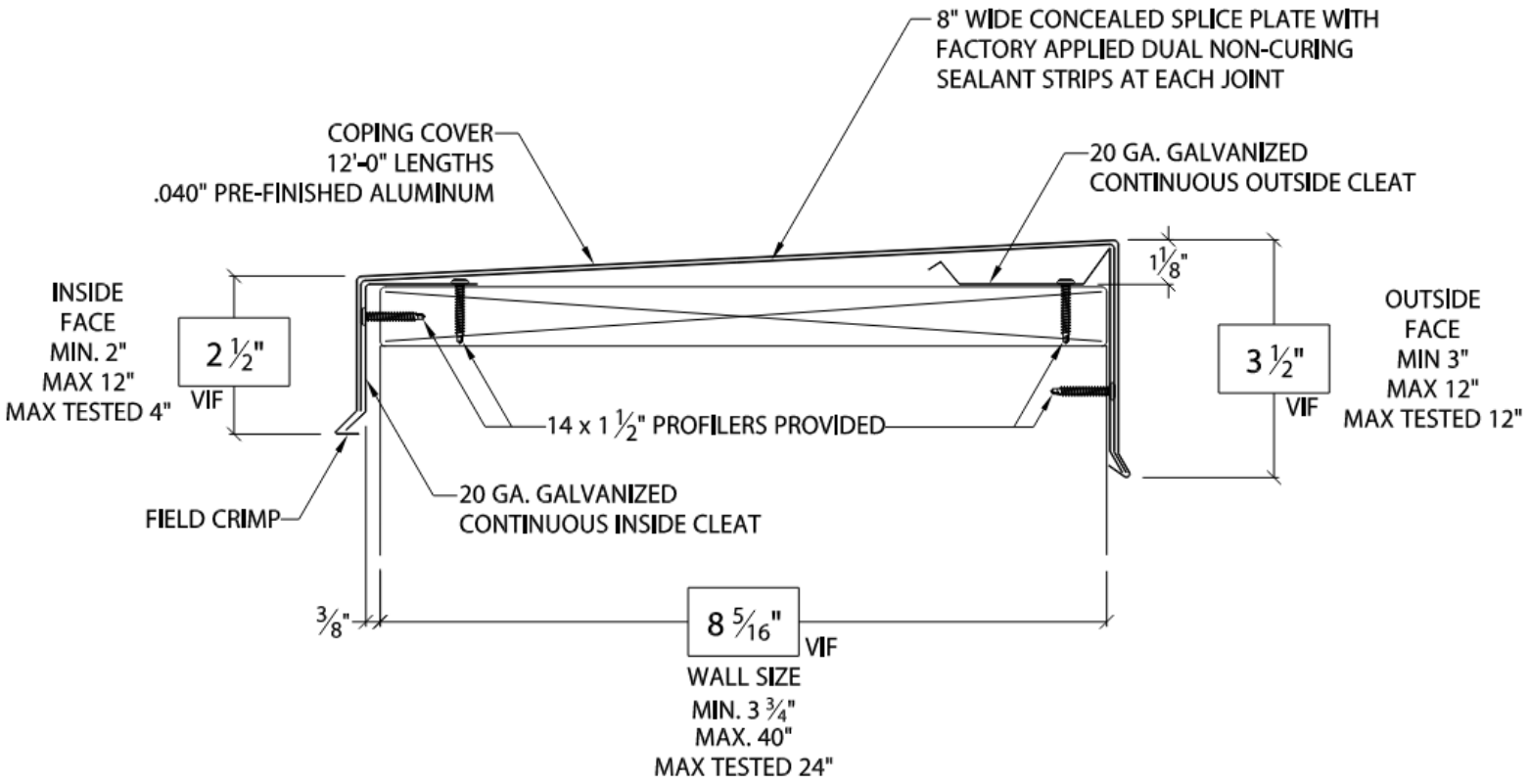
Can a lumber nailer be used in lieu of plywood?

BY: Brent Moore, APM

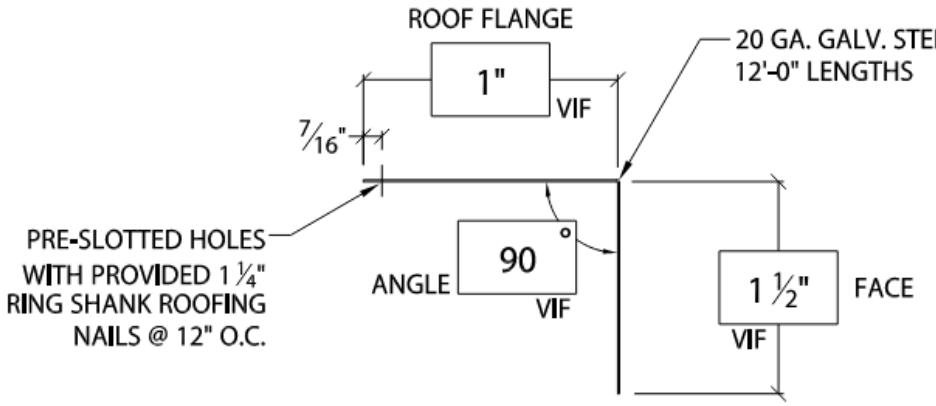
West Coast ASM
2215 Oakland Rd, San Jose, CA 95131
T: 408-776-2770 | F:408-776-2771



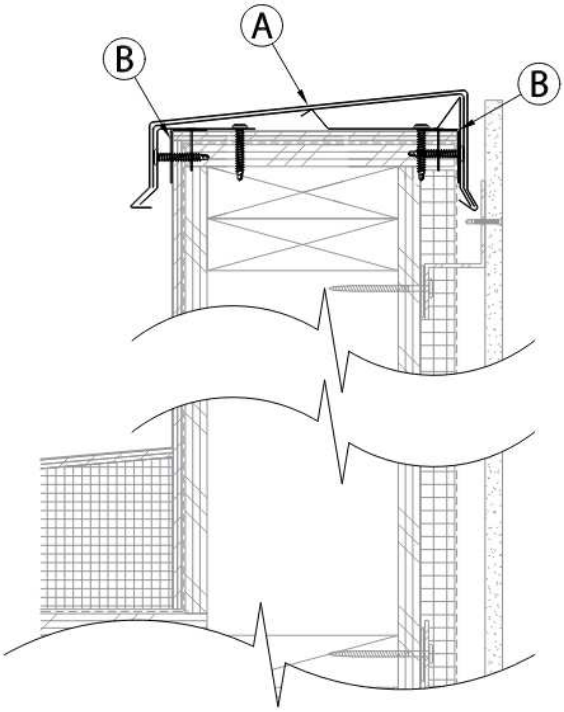
6/A-522
Area of plywood to lumber replacement highlighted



A PERMA-TITE CONTINUOUS CLEAT COPING
REF: 6/A-522 NOTE: NOT TO SCALE



B MOUNTING ANGLE
REF: 6/A-522 NOTE: NOT TO SCALE



1 COPING AT CEMENT FIBER RAINSCREEN
REF: 6/A-522 NOTE: NOT TO SCALE

Hickman coping shop drawings details.
Note that the mounting angle (piece B) must be added if the plywood shown in the architectural drawings cannot be replaced with solid lumber.

RFI #041

TLCD Architecture
520 Third Street #250
Santa Rosa, California 95401
Phone: (707) 525-5600

Project: 21062.00 - NVC Wine Education Center
2277 Napa-Vallejo Hwy
Napa, California 94558

Official Response

Official Response: **Shannon Goolsbee (O'Mahony & Myer, Inc.)** *responded on Monday, December 9th, 2024 at 3:39PM PST*
We have no objection to the proposed heights shown on the shop drawings.

Attachments:

Height of Pole Mounted Occupancy Sensors

TO:	Justin Kirk **(O'Mahony & Myer, Inc.)**	**FROM:**	Mickale McChristian **(Midstate Construction)** 1180 Holm Rd Petaluma, CA, 94954
DATE INITIATED:	12/06/ 2024	**STATUS:**	Closed on 12/09/24
LOCATION:		**DUE DATE:**	12/11/2024
COST CODE:		**REFERENCE:**	
COST IMPACT:		**SCHEDULE IMPACT:**	
DRAWING NUMBER:		**SPEC SECTION:**	
LINKED DRAWINGS:			
RECEIVED FROM:			

COPIES TO:
Ken Burroughs **(Kitchell CEM)**, Dennis Kennedy **(TLCD Architecture)**, Jay Leininger **(Kurt Hirtzer Inspection Services)**, Samantha Maddox **(Napa Valley Community College District)**, Carl Servais **(TLCD Architecture)**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, a Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

Question from Mickale McChristian (Midstate Construction) at 09:48 AM on 12/06/2024

Please verify the height for the SCH, Pole Mounted Occupancy Sensor. The attached cut sheets from the reviewed submittal shows 11'-0' for BE2 and 19'-0" for the BH1. Please confirm or provide new heights.

Attachments:
RFI Height of Pole Mounted Occupancy Sensors 11.26.24.pdf

All Replies:

Response from Shannon Goolsbee (O'Mahony & Myer, Inc.) at 03:39 PM on 12/09/2024

We have no objection to the proposed heights shown on the shop drawings.

Attachments:

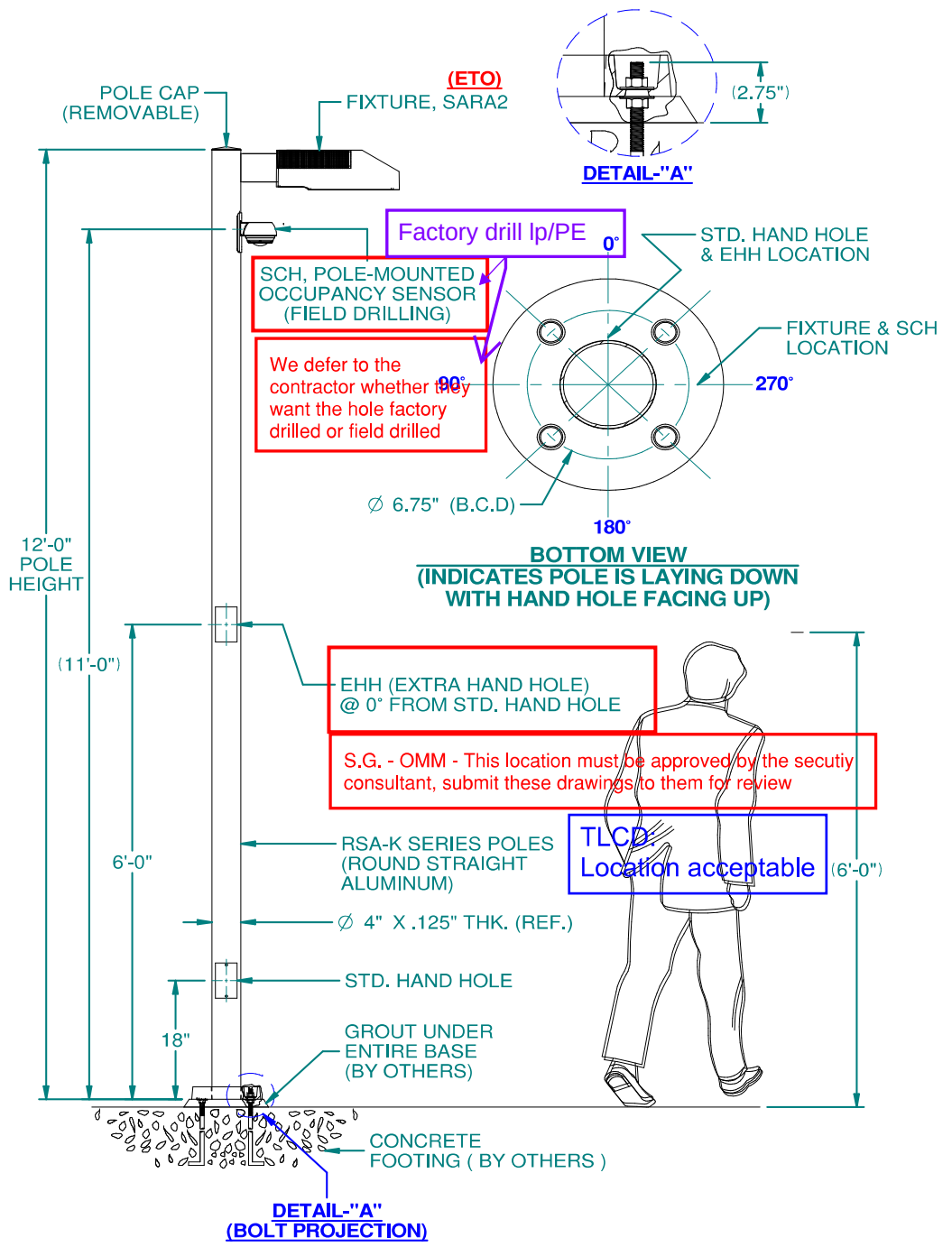
BY **DATE** **COPIES TO**

Job Name : Napa Valley College Wine Education Center
Manufacturer : CURRENT LIGHTING
Model Number : ETO SARA2-1SA-27L-35CW-3K8-5W-CLR-4.00-UNV-BLS

Type : BE2

TYPE: B BE2

CATALOG NUMBER: (ETO) SARA2-1SA-27L-35CW-3K8-5W-CLR-4.00-UNV-BLS



ADDITIONAL NOTES / CATALOG NUMBERS:

RSAK12-40A-1-K2-BLS-EHH-0-6

SCH-R4-120-BLS

COLOR: BLS

Confirm finish with the architect

ANCHOR BOLTS:
QTY: 4
SIZE: 3/4" X 30" X 3"
BOLT CIRCLE: 6.75"
PROJECTION: 2.75"

TLCD: BLS - confirmed

NOTES:
CW_CUSTOM WATTAGE

LED COUNT, WATTAGE, VOLTAGE,CCT/CRI, DISTRIBUTION AND COLOR MAY VARY BASED ON FINAL CATALOG NUMBER.

REFER TO PRODUCT SPECIFICATION SHEET FOR ADDITIONAL ELECTRIAL CHARACTERISTICS AND PHOTOMETRIC DATA.

REFER TO THE INSTRUCTION DOCUMENTS PROVIDED WITH THE PRODUCT FOR PRODUCT SAFETY AND INSTALLATION.

☐ APPROVED ☐ RESUBMIT WITH CHANGES ☐ REJECTED

X_____
SIGN AND DATE FOR APPROVAL REQUIRED PRIOR TO SHIPMENT OF PRODUCT

PROJECT NAME: Napa Valley College - Wine Education Center

Current
701 MILLENIUM BOULEVARD
GREENVILLE, SOUTH CAROLINA 29607
(864) 678-1000

DRAWING NUMBER:	SHT
24K-2158	1 OF 1
DRAWING DATE: 09/27/2024	DRWN: PBA / CHK: MVE
REVISION DATE: 09/27/2024	DRWN: PBA / REVISION: B
EXPIRATION DATE: 09/27/2026	

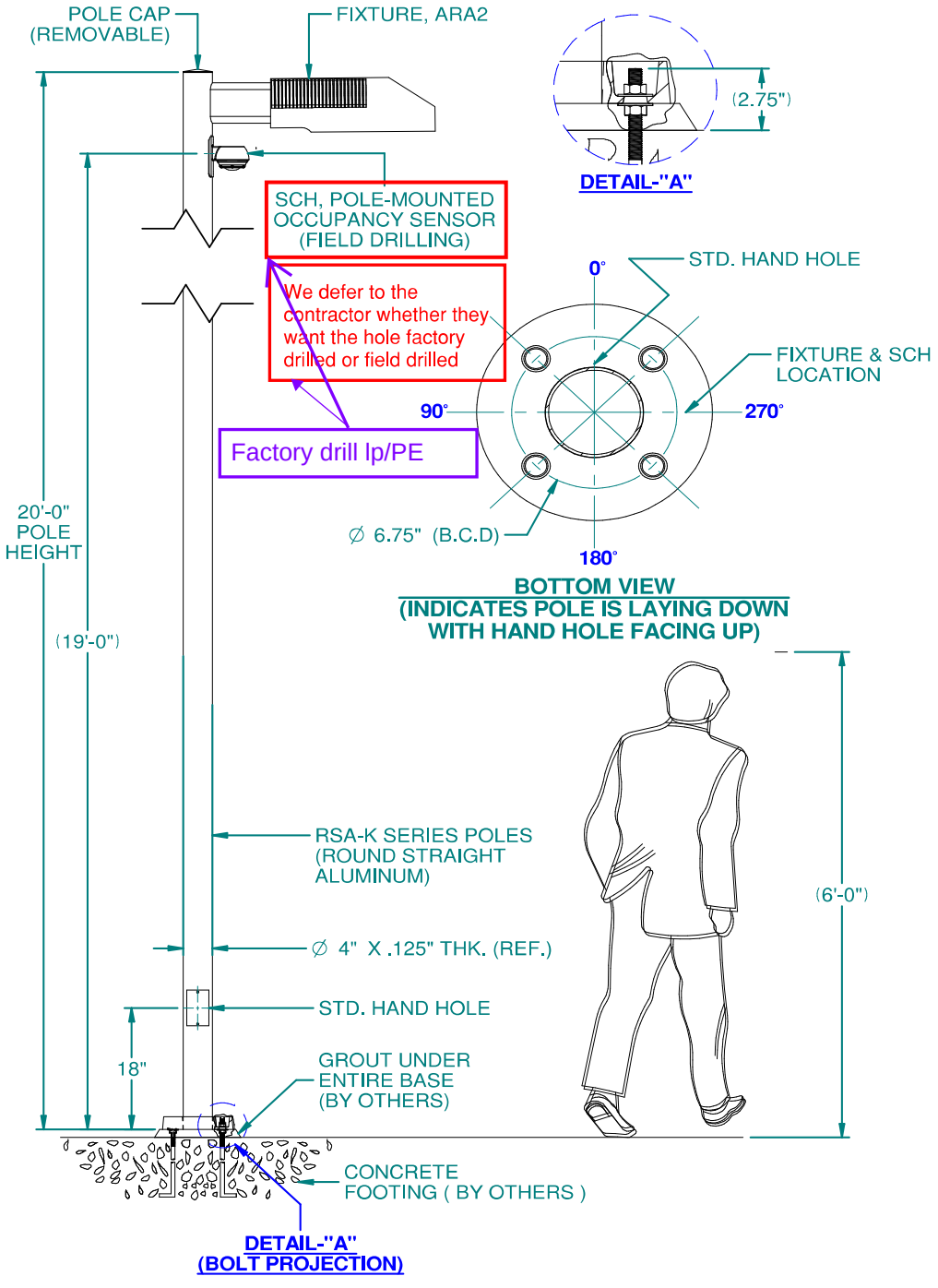
http://coise/Kim/PreReleased/Submittal Drawings/21K Submittal Drawings/24K-2158 Napa Valley College - Wine Education Center SARA2-1SA-4.00-RSAK12-40A-1-K2-BLS-EHH-SCH-R4_R.dft

Job Name : Napa Valley College Wine Education Center
Manufacturer : CURRENT LIGHTING
Model Number : ARA2-1A-54L-560-3K8-4-CLR-4.00-UNV-BLS

Type : BH1

TYPE: B BH1

CATALOG NUMBER: ARA2-1A-54L-560-3K8-4-CLR-4.00-UNV-BLS



ADDITIONAL NOTES / CATALOG NUMBERS:

RSAK20-40A-1-K2-BLS

SCH-R4-120-BLS

Confirm finish with the architect

COLOR: BLS

ANCHOR BOLTS:
QTY: 4
SIZE: 3/4" X 30" X 3"
BOLT CIRCLE: 6.75"
PROJECTION: 2.75"

TLCD: BLS - confirmed

NOTES:

LED COUNT, WATTAGE, VOLTAGE,CCT/CRI, DISTRIBUTION AND COLOR MAY VARY BASED ON FINAL CATALOG NUMBER.

REFER TO PRODUCT SPECIFICATION SHEET FOR ADDITIONAL ELECTRIAL CHARACTERISTICS AND PHOTOMETRIC DATA.

REFER TO THE INSTRUCTION DOCUMENTS PROVIDED WITH THE PRODUCT FOR PRODUCT SAFETY AND INSTALLATION.

☐ APPROVED ☐ RESUBMIT WITH CHANGES ☐ REJECTED

X_____
SIGN AND DATE FOR APPROVAL REQUIRED PRIOR TO SHIPMENT OF PRODUCT

PROJECT NAME: Napa Valley College - Wine Education Center

Current
701 MILLENIUM BOULEVARD
GREENVILLE, SOUTH CAROLINA 29607
(864) 678-1000

DRAWING NUMBER:	SHT
24K-2160	1 OF 1
DRAWING DATE: 09/27/2024 DRWN: PBA	CHK: MVE
REVISION DATE: 09/27/2024 DRWN: PBA	REVISION: B
EXPIRATION DATE: 09/27/2026	

http://coise/Kim/PreReleased/Submittal Drawings/21K Submittal Drawings/24K-2160 Napa Valley College - Wine Education Center ARA2-1A-4.00-RSAK20-40A-1-K2-BLS-SCH-R4_B.dft

RFI #042

TLCD Architecture
520 Third Street #250
Santa Rosa, California 95401
Phone: (707) 525-5600

Project: 21062.00 - NVC Wine Education Center
2277 Napa-Vallejo Hwy
Napa, California 94558

Official Response

Official Response: **Dave Fisher (TEP Engineering)** *responded on Wednesday, January 15th, 2025 at 2:29PM PST*
1" annular clearance is required at the drops in the T-Bar ceiling.

Please provide required clearance and include the appropriate Viking Escutcheon NP-3 in Polished Chrome.

-Dave, TEP

Attachments:

T-Bar Annular Clearance for Drops

TO:	Dennis Kennedy **(TLCD Architecture)**	**FROM:**	Mickale McChristian **(Midstate Construction)** 1180 Holm Rd Petaluma, CA, 94954
DATE INITIATED:	12/06/ 2024	**STATUS:**	Closed on 01/16/25
LOCATION:		**DUE DATE:**	12/11/2024
COST CODE:		**REFERENCE:**	
COST IMPACT:		**SCHEDULE IMPACT:**	
DRAWING NUMBER:		**SPEC SECTION:**	
LINKED DRAWINGS:			
RECEIVED FROM:			

COPIES TO:
Ken Burroughs **(Kitchell CEM)**, James Evans **(Midstate Construction)**, Garrett Hull **(Midstate Construction)**, Dennis Kennedy **(TLCD Architecture)**, Jay Leininger **(Kurt Hirtzer Inspection Services)**, Samantha Maddox **(Napa Valley Community College District)**, Mickale McChristian **(Midstate Construction)**, John Mota **(Midstate Construction)**, Megan Staffanou **(Midstate Construction)**, Carl Servais **(TLCD Architecture)**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, a Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

Question from Mickale McChristian (Midstate Construction) at 02:10 PM on 12/06/2024

Will the 1” drops in the suspended T-Bar ceiling require a 1” annular clearance? The DSA approved plans do not state if required or not.

All Replies:

Response from Dave Fisher (TEP Engineering) at 02:29 PM on 01/15/2025

1" annular clearance is required at the drops in the T-Bar ceiling.

Please provide required clearance and include the appropriate Viking Escutcheon NP-3 in Polished Chrome.

-Dave, TEP

Attachments:

TLCD ARCHITECTURE

RFI #042

Response from Dave Fisher (TEP Engineering) at 08:18 AM on 12/16/2024
Provide annular clearance as required to install recessed escutcheons. -DF, TEP
Attachments:

BY | **DATE** | **COPIES TO**

RFI #043

TLCD Architecture
520 Third Street #250
Santa Rosa, California 95401
Phone: (707) 525-5600

Project: 21062.00 - NVC Wine Education Center
2277 Napa-Vallejo Hwy
Napa, California 94558

Storm Drain system in conflict with electrical Christy boxes

TO:	Dennis Kennedy **(TLCD Architecture)**	**FROM:**	Mickale McChristian **(Midstate Construction)** 1180 Holm Rd Petaluma, CA, 94954
DATE INITIATED:	12/12/ 2024	**STATUS:**	Closed on 01/23/25
LOCATION:		**DUE DATE:**	12/17/2024
COST CODE:		**REFERENCE:**	
COST IMPACT:		**SCHEDULE IMPACT:**	
DRAWING NUMBER:		**SPEC SECTION:**	
LINKED DRAWINGS:			
RECEIVED FROM:			

COPIES TO:
Ken Burroughs **(Kitchell CEM)**, James Evans **(Midstate Construction)**, Garrett Hull **(Midstate Construction)**, Dennis Kennedy **(TLCD Architecture)**, Jay Leininger **(Kurt Hirtzer Inspection Services)**, Samantha Maddox **(Napa Valley Community College District)**, Mickale McChristian **(Midstate Construction)**, John Mota **(Midstate Construction)**, Megan Staffanou **(Midstate Construction)**, Carl Servais **(TLCD Architecture)**

Note: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, a Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

Question from Mickale McChristian (Midstate Construction) at 08:21 AM on 12/12/2024

The existing Christy boxes adjacent to the location for the new storm drain manhole #512 is obstructing the excavation/install. In order to possibly rectify the issue Paschke Electric is proposing to remove the current Christy box, tying into the existing conduit and installing a new Christy box as specified in plan E-103, note 4.

1. Impact on Winery Bldg. operations:
   a. The Teaching Winery would need to be shutdown for 1 to 2 days to complete the work.
   b. They would perform the work on a Saturday to minimize disruption.
2. Proposed solution benefits:
   a. Utilizing the existing conduit below the panel would eliminate the need for additional 4" conduits entering the electrical room.
   b. This approach helps to declutter the already crowded electrical room, making it a more efficient and organized space. would be beneficial.
   c. Plus due to spatial constraints, routing out of the top of the panels would be very difficult.
3. Initial design possible issues:
   a. Running the conduit per the original design would require routing the conduits upward out of the existing panels and installing multiple pull boxes inside the bldg.
4. Additional benefits:
   a. The spare 4" conduit could be repurposed as a data conduit, resulting in a no-cost change for the college.

Please see attached pictures and drawing.

Attachments:
Cluttered-electrical-room-A.jpg cluttered-electrical-room-B.jpg Pages-from-Complete-Set.pdf

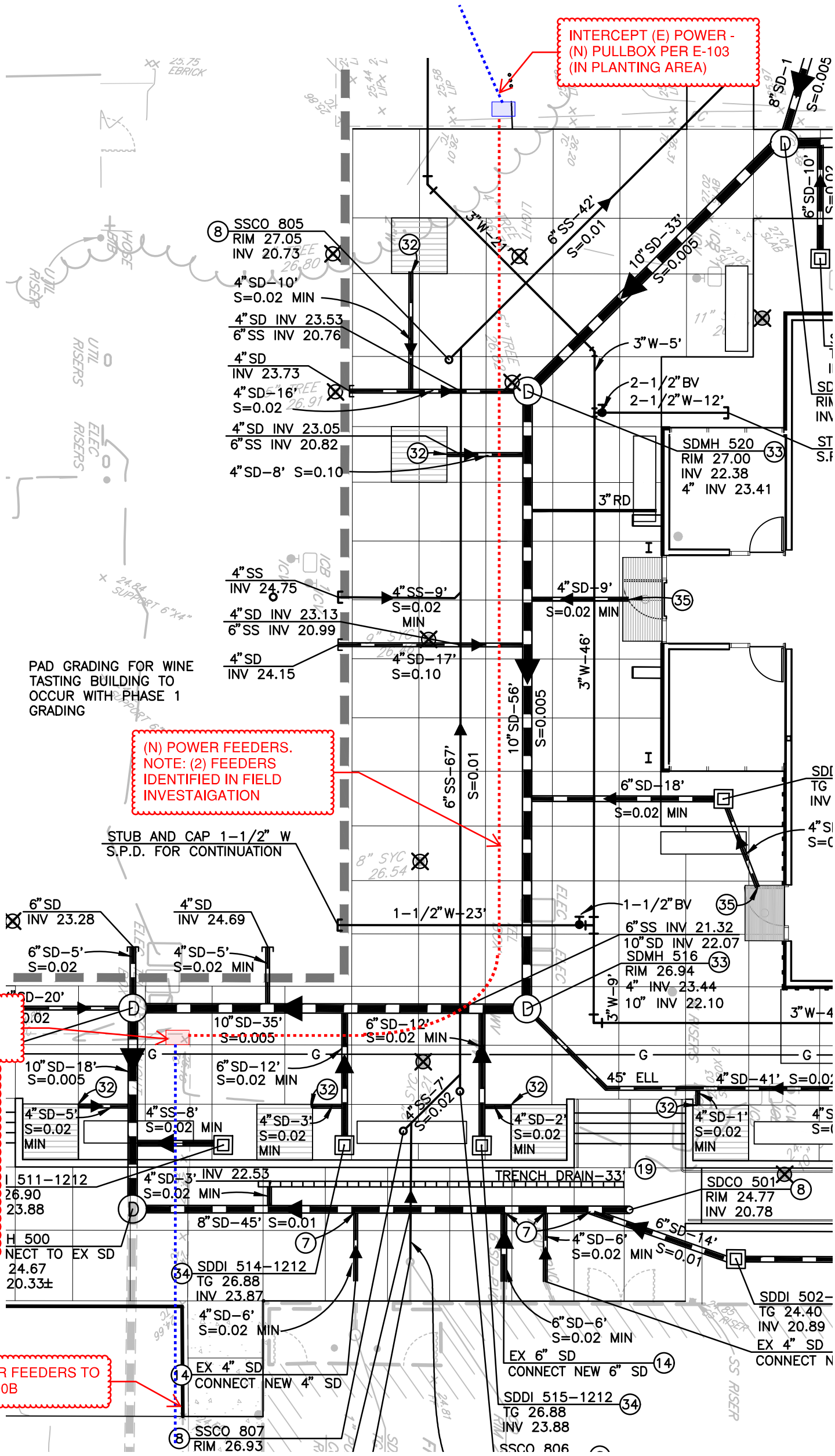
All Replies:

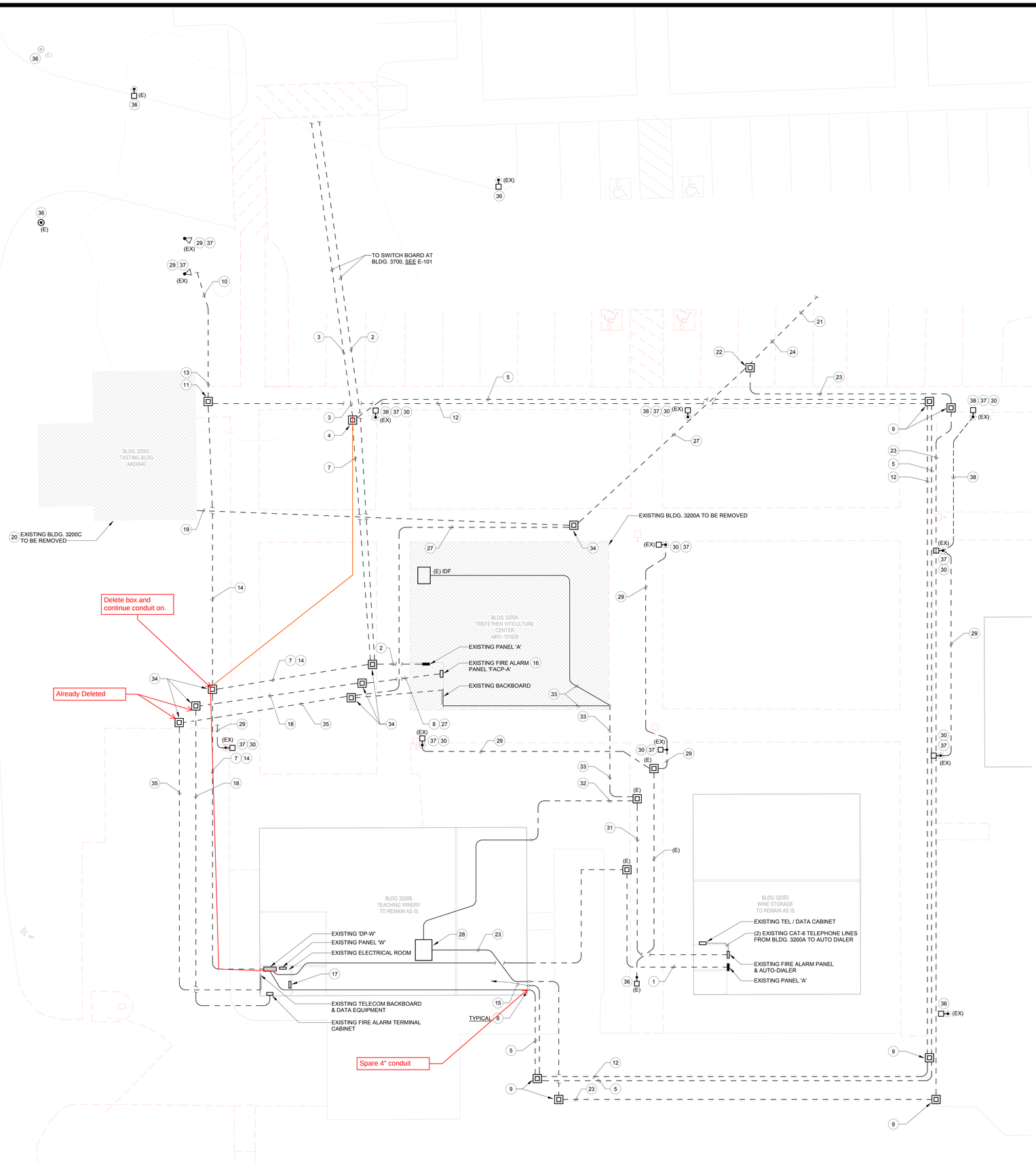
TLCD ARCHITECTURE

RFI #043

Response from Paul Carey (O'Mahony & Myer, Inc.) at 09:37 AM on 01/21/2025
See attached sketch SKA-250116-2.
Attachments: 250116_C-102_Power to 3200B_South Route.pdf

BY | **DATE** | **COPIES TO**


INTERCEPT (E) POWER -
(N) PULLBOX PER E-103
(IN PLANTING AREA)
8"SD-1
S=0.005
6"SD-10'
8 SSCO 805
RIM 27.05
INV 20.73
4"SD-10'
S=0.02 MIN
4"SD INV 23.53
6"SS INV 20.76
4"SD
INV 23.73
4"SD-16'
S=0.02
4"SD INV 23.05
6"SS INV 20.82
4"SD-8' S=0.10
3"W-21'
6"SS-42'
S=0.01
10"SD-33'
S=0.005
3"W-5'
2-1/2"BV
2-1/2"W-12'
SDMH 520
RIM 27.00
INV 22.38
4" INV 23.41
3"RD
4"SS
INV 24.75
4"SS-9'
S=0.02
MIN
4"SD INV 23.13
6"SS INV 20.99
4"SD
INV 24.15
4"SD-17'
S=0.10
4"SD-9'
S=0.02 MIN
3"W-46'
10"SD-56'
S=0.005
PAD GRADING FOR WINE
TASTING BUILDING TO
OCCUR WITH PHASE 1
GRADING
(N) POWER FEEDERS.
NOTE: (2) FEEDERS
IDENTIFIED IN FIELD
INVESTAIGATION
6"SS-67'
S=0.01
6"SD-18'
S=0.02 MIN
STUB AND CAP 1-1/2" W
S.P.D. FOR CONTINUATION
6"SD
INV 23.28
4"SD
INV 24.69
1-1/2"W-23'
1-1/2"BV
6"SS INV 21.32
10"SD INV 22.07
SDMH 516
RIM 26.94
4" INV 23.44
10" INV 22.10
6"SD-5'
S=0.02
4"SD-5'
S=0.02 MIN
INTERCEPT (E) POWER
FEEDERS FROM BLDG
3200B - ADD PULLBOX
10"SD-35'
S=0.005
6"SD-12'
S=0.02 MIN
LOCATE PULL BOX
BETWEEN SD AND
GAS LINE - EAST
EDGE OF PULLBOX
TO ALIGN W/
SCORELINE IN CONC
WALK. NORTH-SOUTH
ALIGNEMENT
DETERMINED BY
LOCATION OF (E)
FEEDER LOCATION
10"SD-18'
S=0.005
45° ELL
4"SD-41' S=0.02
4"SD-5'
S=0.02
MIN
4"SS-8'
S=0.02 MIN
4"SD-3'
S=0.02
MIN
4"SD-2'
S=0.02
MIN
4"SD-1'
S=0.02
MIN
4"SD-3' INV 22.53
S=0.02 MIN
TRENCH DRAIN-33'
SDCO 501
RIM 24.77
INV 20.78
8"SD-45' S=0.01
6"SD-14'
S=0.01
4"SD-6'
S=0.02 MIN
SDDI 514-1212
TG 26.88
INV 23.87
6"SD-6'
S=0.02 MIN
EX 6" SD
CONNECT NEW 6" SD
SDDI 515-1212
TG 26.88
INV 23.88
SDDI 502-
TG 24.40
INV 20.89
EX 4" SD
CONNECT N
4"SD-6'
S=0.02 MIN
EX 4" SD
CONNECT NEW 4" SD
(E)POWER FEEDERS TO
BLDG 3200B
SSCO 807
RIM 26.93
SSCO 806
TLCD #21062
NVC - WEC
RFI 043 - ELECTRICAL FEEDER CONFLICT W/ STORM DRAIN
TLCD / DSK / 1/16/25
SKA-250116-2



1 SITE PLAN - DEMOLITION
1" = 10'-0"

NUMBERED SHEET NOTES

1. EXISTING FEEDERS TO BUILDING 3200D, WINE STORAGE TO REMAIN.
2. DISCONNECT AND REMOVE EXISTING FEEDERS TO BUILDING 3200A FROM EXISTING SWITCHBOARD AT BUILDING 3700.
3. EXISTING FEEDERS FROM SWITCHBOARD AT BUILDING 3700 TO TEACHING WINERY BUILDING 3200B.
4. PROVIDE AND INSTALL NEW PULL BOX TO INTERCEPT EXISTING FEEDERS TO BUILDING 3200B, SEE NOTE 3 ABOVE. COORDINATE LOCATION.
5. BUILDING 3200B FEEDERS TO BE ROUTED AROUND NEW BUILDING. PROVIDE AND INSTALL NEW FEEDERS IN NEW 4" CONDUIT TO EXISTING BUILDING 3200B, DISTRIBUTION PANEL 'DP-W'. NEW FEEDERS TO BE (4)#500 COOPER, (1)#2G.
6. INTERCEPT EXISTING 400AMP FEEDERS AND REROUTE TO NEW PULL BOX, SEE NOTE 4 ABOVE. SPLICE EXISTING REROUTED FEEDERS TO NEW FEEDERS TO BUILDING 3200B, SEE NOTE 5 ABOVE.
7. DISCONNECT AND REMOVE EXISTING FEEDERS TO BUILDING 3200B FROM PULL BOX NOTED IN NOTE 4 ABOVE TO EXISTING DISTRIBUTION PANEL 'DP-W'. SEE NOTE 5 ABOVE FOR NEW FEEDERS.
8. CONDUIT TO RISE UP ON BUILDING EXTERIOR. CONDUIT TO BE RIGID GALVANIZED STEEL PAINTED TO MATCH WALL.
9. PROVIDE AND INSTALL NEW PULL BOX, COORDINATE LOCATION.
10. EXISTING SITE LIGHTING CONDUIT AND BRANCH CIRCUITING.
11. PROVIDE AND INSTALL NEW PULL BOX TO INTERCEPT EXISTING SITE LIGHTING BRANCH CIRCUITS, SEE NOTE 10 ABOVE. COORDINATE LOCATION.
12. SITE LIGHTING BRANCH CIRCUITS TO BE ROUTED AROUND NEW BUILDING. PROVIDE AND INSTALL 1" CONDUIT AND #8 BRANCH CIRCUIT WIRING TO EXISTING BUILDING 3200 AND RECONNECT.
13. INTERCEPT EXISTING SITE LIGHTING BRANCH CIRCUIT CONDUIT AND WIRING TO NEW PULL BOX, SEE NOTE 11 ABOVE. SPLICE EXISTING REROUTED BRANCH CIRCUITS TO NEW BRANCH CIRCUITS TO BUILDING 3200B, SEE NOTE 12 ABOVE.
14. DISCONNECT AND REMOVE EXISTING SITE LIGHTING BRANCH CIRCUIT FROM PULL BOX NOTED IN NOTE 11 ABOVE. SEE NOTE 12 ABOVE FOR NEW BRANCH CIRCUIT TO 3200D.
15. HOMERUN TO EXISTING PANEL AND CONTROLS.
16. THE EXISTING FIRE ALARM PANEL SERVES EXISTING BUILDING 3200B. DISCONNECT AND RELOCATE THE PANEL TO BUILDING 3200B. SEE NOTE 17 BELOW.
17. INSTALL RELOCATED FIRE ALARM PANEL IN BUILDING 3200B. SEE NOTE 16 ABOVE. PROVIDE AND INSTALL NEW 120VOLT BRANCH CIRCUIT TO PANEL. REDIRECT EXISTING BUILDING 3200B FIRE ALARM DEVICES TO THE RELOCATED PANEL.
18. DISCONNECT AND REMOVE EXISTING FIRE ALARM WIRING FROM EXISTING CONDUITS.
19. DISCONNECT AND REMOVE EXISTING TELECOM WIRING AND OTHER LOW VOLTAGE CABLES TO EXISTING BUILDING.
20. DISCONNECT AND REMOVE EXISTING POWER FEEDERS TO THE BUILDING.
21. EXISTING FIBER OPTIC CABLING AND TELEPHONE CABLING TO BUILDING 3200A.
22. PROVIDE AND INSTALL NEW PULL BOX TO INTERCEPT EXISTING FIBER OPTIC CABLING AND TELEPHONE CABLING TO BUILDING 3200B, SEE NOTE 21 ABOVE. COORDINATE LOCATION.
23. BUILDING 3200B FIBER OPTIC CABLING AND TELEPHONE CABLING TO BE ROUTED AROUND NEW BUILDING. PROVIDE AND INSTALL NEW FIBER OPTIC CABLING AND COPPER CABLING (FOR COSTING USE 12 STRAND SINGLE MODE, AND 50 PAIR COPPER). REROUTE THE FIBER AND COPPER TO BUILDING 3200B. PROVIDE A 4" CONDUIT FOR THE FIBER AND COPPER CABLING AND PROVIDE (1) 4" SPARE CONDUIT AND (1) 2" SPARE CONDUITS.
24. INTERCEPT EXISTING FIBER AND COPPER CABLING AND REROUTE TO NEW PULL BOX, SEE NOTE 22 ABOVE. SPLICE EXISTING CABLES TO NEW CABLES TO BUILDING 3200B, SEE NOTE 23 ABOVE.
25. NOT USED.
26. NOT USED.
27. DISCONNECT AND REMOVE EXISTING FIBER AND COPPER CABLING TO 3200B FROM PULL BOX NOTED IN NOTE 22 ABOVE. SEE NOTE 23 ABOVE FOR NEW CABLES.
28. PROVIDE AND INSTALL NEW IDF EQUIPMENT INCLUDING RACK, PATCH PANELS, WIRE MANAGEMENT AND 120VOLT CIRCUITS. REROUTE ALL EXISTING DATA AND TELEPHONE WIRING IN 3200B TO NEW IDF.
29. DISCONNECT AND REMOVE EXISTING SITE LIGHTING WIRING.
30. DISCONNECT AND REMOVE EXISTING SITE LIGHTING POLEBASE, AND FIXTURE.
31. EXISTING CAT6 CABLING TO BUILDING 3200D FROM BUILDING 3200A, 2" CONDUIT WITH THE FOLLOWING.
    - (2) TELEPHONE LINES FOR FIRE ALARM
    - (4) TELEPHONE LINES FOR OFFICE PHONES
    - (4) DATA LINES FOR OFFICE OUTLETS
    - (2) DATA LINES FOR E.M.S.
    - (2) TELEPHONE LINES FOR BLUE PHONES
32. WITH THE REMOVAL OF BUILDING 3200A REROUTE THE TELEPHONE/DATA CABLES FROM WINE STORAGE 3200D TO NEW IDF IN BUILDING 3200B. PROVIDE AND INSTALL 2" CONDUIT WITH NEW CABLES, SEE NOTE 31 ABOVE FOR QUANTITY OF CABLES.
33. REMOVE EXISTING CABLES FROM BUILDING 3200A TO BUILDING 3200D. THE EXISTING CABLES WILL BE REROUTED TO BUILDING 3200B, SEE NOTE 32 ABOVE.
34. REMOVE EXISTING PULL BOXES.
35. DISCONNECT AND REMOVE EXISTING FIBER AND COPPER CABLE FROM BUILDING 3200A TO 3200B. SEE NOTE 23 ABOVE FOR NEW CABLING TO
36. EXISTING LIGHTING TO REMAIN, PROTECT IN PLACE.
37. EXISTING LIGHTING TO BE REMOVED.
38. FIELD VERIFY IF EXISTING CONDUITS ARE TO REMAIN.

NOTE:
INDICATED PULLBOXES, UNDERGROUND CONDUITS, AND EQUIPMENT LOCATIONS ARE APPROXIMATE ONLY. FIELD VERIFY.

AGENCY APPROVAL STAMP:

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-120890 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 10/25/2023

TLCD ARCHITECTURE
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STAMP:

REGISTERED PROFESSIONAL ENGINEER
PAUL A. COLEMAN-MYERS
No.E14738
Exp. 6/23
ELECTRICAL
STATE OF CALIFORNIA

REVISIONS:

Number	Date	Description

NAPA VALLEY COLLEGE WINE EDUCATION CENTER

2277 NAPA VALLEJO HWY NAPA, CA 94558

NAPA VALLEY COLLEGE

DSA APPLICATION NUMBER:
01-120890

TLCD PROJECT NUMBER:
21062.00

DATE:
AUGUST 30, 2023

PARTIAL SITE PLAN - DEMO

E-103