

ADDENDUM NO. 3

DATE: 01/25/23

PROJECT:

McKinley/ Fowler Elementary School- Increment 1
Fresno, CA
CUSD Bid No.: 2922

OWNER:

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

ARCHITECT:

DARDEN ARCHITECTS, INC.
Attention: Andrew Corral/ Mike Fennacy
6790 N. West Avenue
Fresno, California 93711
T. (559) 448-8051
F. (559) 446-1765

DARDEN PROJECT NO. 2116
DSA File Nos. 10-48
DSA APPL. NO. 02-120543

NOTE: THE BID DATE HAS CHANGED TO JANUARY 31st 2023

It will be the responsibility of the General Contractor to submit the information contained in this addendum to all its subcontractors and suppliers. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

The following additions, deletions, and revisions to the SHEETS and Project Manual are hereby made and do become a part of these Contract Documents.

PROJECT: McKinley/ Fowler Elementary School- Increment 1

ADDENDUM NO. 3 DATE: 01/25/23
PAGE 2

INDEX OF ADDENDA TRANSMITTED HEREWITH

PROJECT MANUAL:

BIDDING AND CONTRACT REQUIREMENTS:

CHANGES TO BIDDING REQUIREMENTSAD3-CBR01

CHANGES TO CONDITIONS OF THE CONTRACT..... AD3-CCC01

SPECIFICATIONS:

CHANGES TO SPECIFICATIONS AD2-SP01

SHEETS:

CHANGES TO SHEETS:

ARCHITECTURAL..... AD2-A01 THRU A05

ELECTRICAL AD3-E01 THRU E11

FIRE PROTECTION..... AD2-FP01

ATTACHMENTS:

DOCUMENTS OR SPECIFICATIONS:

SHEETS:

ARCHITECTURAL AD3-AX01 thru AD3-AX03.

ELECTRICAL AD3-EX01 thru AD3-EX11.

FIRE PROTECTIONAD3-FPX01.

PROJECT: McKinley/ Fowler Elementary School- Increment 1

ADDENDUM NO. 3.....DATE: 01/25/23
PAGE 3

PROJECT MANUAL:

BIDDING AND CONTRACT REQUIREMENTS:

CHANGES TO BIDDING REQUIREMENTS:

AD3-CBR01 Refer to Specification Section NOTICE TO CONTRACTORS:

1. Refer to Bid Opening Section and replace it with the following
 - a. Bids will be sealed and filed at the following address: Bids will NOT be accepted at the bid opening location.

Clovis Unified School District
PURCHASING
1450 Herndon Avenue
Clovis, California 93611
before 2:00 PM on JANUARY 31, 2023.
2. The Final day for Pre-Bid RFI' s will be January 24, 2023.

CHANGES TO CONDITIONS OF THE CONTRACT:

AD3-CCC01 Refer to the attached Owner Controlled Insurance Program (OCIP) criteria as indicated with the AD3 in the upper-right-hand corner.

SPECIFICATIONS:

CHANGES TO SPECIFICATIONS:

AD3-SP01 Refer to Specification Section 01 11 13- SUMMARY OF WORK:

1. Remove and Replace the BID PACKAGES document with the attached as indicated with an AD-3 in the upper right-hand corner.

AD3-SP02 Refer to Specification Section 32 19 19 ORNAMENTAL METAL:

1. Refer to section 2.1 Manufacturers A.1 Specified Product Manufacturer, or Approved Equivalent, insert the following manufacturer:
 - a. Merchant Metals
 - i. NOTE: Only Systems that match the specified and detailed metal thicknesses and properties will be deemed an acceptable alternate.

SHEETS:

CHANGES TO SHEETS:

PROJECT: McKinley/ Fowler Elementary School- Increment 1

ADDENDUM NO. 3.....DATE: 01/25/23
PAGE 4

ARCHITECTURAL:

AD3-A01 Refer to Sheet SD/A100, OVERALL SITE PLAN:

1. Refer to the loading zones in each parking lot.
- a. Curbs at loadings zones shall be painted white in four-foot sections and shall indicate "PASSENGER LOADING" in four-inch tall black letters. These shall be spaced every 20 feet.

AD3-A03 Refer to Sheet SD/A303, SITE DETAILS AND GATE SCHEDULE:

2. Remove Sheet SD/A303, SITE DETAILS AND GATE SCHEDULE, and replace with the attached Sheet AD2-AX01.

AD3-A04 Refer to Sheet SD/A304, ENLARGED SITE PLANS AND CMU DETAILS:

1. Remove Sheet SD/A304, ENLARGED SITE PLANS AND CMU DETAILS, and replace with the attached Sheet AD2-AX02.
2. Refer to the enlarged Site Plan, MPR Ramp Plan A1.
 - a. Install Fluid Applied waterproofing to the following concrete retaining walls:
 - i. On the earth side concrete where the opposite face is exposed to view
 - ii. Any Concrete Walls Adjacent to buildings.

AD3-A05 Refer to Sheet SD/A402 -CHAIN LINK FENCING AND SITE DETAILS:

1. Refer to Detail N4 CHAIN LINK, Typical Conditions:
 - a. Revise the Chain Link Post and Footing Schedule as follows for 6'-0" Max Fence Height.
 - i. Line Posts- 2-3/8" O.D.
 - ii. Terminal Posts- 2-7/8" O.D.

ELECTRICAL:

AD3-E01 Refer to Sheet SD/E101- SITE ELECTRICAL- LIGHTING PLAN- NORTH:

1. Remove Sheet SD/E101- SITE ELECTRICAL- LIGHTING PLAN- NORTH and replace with attached Sheet AD2-EX01.

AD3-E02 Refer to Sheet SD/E102- SITE ELECTRICAL- LIGHTING PLAN- SOUTH:

1. Remove Sheet SD/E102- SITE ELECTRICAL- LIGHTING PLAN- SOUTH and replace with attached Sheet AD2-EX02.

AD3-E03 Refer to Sheet SD/E201- SITE ELECTRICAL- POWER AND LOW VOLTAGE PLAN- NORTH:

1. Remove Sheet SD/E201- SITE ELECTRICAL- POWER AND LOW VOLTAGE PLAN- NORTH and replace with attached Sheet AD2-EX03.

PROJECT: McKinley/ Fowler Elementary School- Increment 1

ADDENDUM NO. 3..... DATE: 01/25/23
PAGE 5

AD3-E04 Refer to Sheet SD/E202- SITE ELECTRICAL- POWER AND LOW VOLTAGE PLAN- SOUTH:
1. Remove Sheet SD/E202- SITE ELECTRICAL- POWER AND LOW VOLTAGE PLAN- SOUTH and replace with attached Sheet AD2-EX04.

AD3-E05 Refer to Sheet X/E101- ELECTRICAL SYSTEMS- SYMBOLS, NOTES AND DETAILS:
1. Remove Sheet X/E101- ELECTRICAL SYSTEMS- SYMBOLS, NOTES AND DETAILS: and replace with attached Sheet AD2-EX05.

AD3-E06 Refer to Sheet X/E201- LIGHTING SYSTEMS- FIXTURE SCHEDULE, DETAILS:
1. Remove Sheet X/E201- LIGHTING SYSTEMS- FIXTURE SCHEDULE, DETAILS and replace with attached Sheet AD2-EX06.

AD3-E07 Add Sheet X/E202- LIGHTING SYSTEMS- DETAILS:
1. Add Sheet X/E202- LIGHTING SYSTEMS- DETAILS as indicated with AD2-EX07.

AD3-E08 Refer to Sheet X/E301- POWER SYSTEMS- SINGLE LINE DIAGRAM, DETAILS:
1. Remove Sheet X/E301- POWER SYSTEMS- SINGLE LINE DIAGRAM, DETAILS and replace with attached Sheet AD2-EX08.

AD3-E09 Refer to Sheet X/E301- POWER SYSTEMS- SINGLE LINE DIAGRAM, DETAILS:
1. Remove Sheet X/E304- POWER SYSTEMS- PANEL SCHEDULES and replace with attached Sheet AD2-EX09.

AD3-E10 Refer to Sheet X/E402- LOW VOLTAGE SYSTEMS- DETAILS AND DIAGRAMS:
1. Remove Sheet X/E402- LOW VOLTAGE SYSTEMS- DETAILS AND DIAGRAMS and replace with attached Sheet AD2-EX10.

AD3-E11 Refer to Sheet X/E601- TITLE 24 COMPLIANCE FORMS- SITE OUTDOOR LIGHTING:
1. Remove Sheet X/E601- TITLE 24 COMPLIANCE FORMS- SITE OUTDOOR LIGHTING and replace with attached Sheet AD2-EX11.

FIRE PROTECTION:

AD3-FP01 Refer to Sheet SD/F002- SITE PLAN:
1. Remove Sheet SD/F002- SITE PLAN and replace with attached Sheet AD3-FPX01.

END OF ADDENDUM NO. 3



Clovis Unified School District, LLC

Owner Controlled Insurance Program (OCIP)

Project: **Fowler McKinley Elementary School**

Project #: **Clovis-02**

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

PRESENTED BY:

Gallagher Construction Services

Table of Contents

Sections	Page
An Introduction to the OCIP Program	1
Insurance Coverages	3
Program Eligibility	5
Enrollment Responsibilities Flow Chart.....	6
Insurance Required From Contractors of Any Tier	7
Online Enrollment Instructions - AJG/VUE Online Portal.....	8
Accident Reporting for General Liability Claims.....	20
Definitions for Purposes of This Manual	21
Personnel Directory	22

An Introduction to the OCIP Program

This manual outlines the details and instructions for all parties for this Owner Controlled Insurance Program (“OCIP”). **Clovis Unified School District** (“Owner”) provides Commercial General Liability, and Umbrella Liability coverage for the Construction Manager **Bush Construction** (“CM”), and all enrolled subcontractors of any tier while working on the **Fowler McKinley Elementary School** project.

Major benefits

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

Coverage provided

General Liability and Umbrella Liability Insurance

The OCIP program provides \$100,000,000 of liability limits during construction, and a separate \$100,000,000 completed operations limit during for the State Statute of Repose or Ten (10) years following substantial completion, whichever is less. Limits apply to the Owner, Construction Manager and all subcontractors with one \$100,000,000 general aggregate and a \$100,000,000 limit for products/completed operations.

Subcontractor Enrollment

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

Subcontractor Bid Deduction

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

Project Term

February 14, 2023 to February 1, 2027

Insurance Carriers:

General Liability: Everest Indemnity Insurance Company
 1st Excess Liability: Everest Indemnity Insurance Company
 2nd Excess Liability: Crum & Forster Specialty Insurance Company
 3rd Excess Liability: Arch Specialty Insurance Company (Quota Share)
 3rd Excess Liability: Ascot Specialty Insurance Company (Quota Share)

4th Excess Liability: Great American Assurance Company (Quota Share)

6th Excess Liability: Scottsdale Insurance Company (Quota Share)

Deductible Charge for Losses

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

Subcontractor Off-site Coverage

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

Subcontractor Excess Limits

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

Claims Management

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

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

Insurance Coverages

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

a. Commercial General Liability Insurance

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

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

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

b. Excess Liability Insurance

Limits	
\$100,000,000	Each Occurrence
\$100,000,000	General Aggregate
\$100,000,000	Products and Completed Operations Aggregate

a. General Liability Deductibles: For each contractor per occurrence

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

b. Defense Costs

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

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

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

Program Eligibility

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

Coverage Trigger

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

Ineligible Parties

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

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

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

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

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

Enrollment Responsibilities Flow Chart

#	Action Item	Responsibility
1	Distribute Manual to prospective bidders or subcontractors.	Construction Manager
2	Send Manual to your Insurance Agent/Broker for assistance, if necessary, in completing the Online Enrollment .	Subcontractor
3	Distribute Manual to prospective lower tier bidders/subcontractors.	Subcontractor
4	Complete Online Enrollment and forward to Gallagher insurance documents from you and your lower tier subcontractors.	Subcontractor
5	Upload off-site Insurance Certificate to Gallagher Contractor Portal in accordance with the Insurance Requirements of the Subcontract Agreement	Subcontractor
6	Confirm all site subcontractors' and/or lower-tier subcontractor(s) enrollment in program. Gallagher will issue written confirmation.	Gallagher
7	Certificate of Insurance, Insurance Cost Worksheet and policy copies upon request.	Gallagher
8	Advise your Insurance Agent/Broker of insurance coverages provided by Construction Manager so that proper notice can be made to your current insurers.	Subcontractor Lower-tier subcontractor

Insurance Required From Contractors of Any Tier

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

The required insurance of every participant is outlined in detail below. You are required to upload your certificate of insurance to the Gallagher Contractor Portal which shows the following offsite coverages along with the minimum limits as follows:

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

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

Online Enrollment Instructions – AJG/VUE Online Portal

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

Gallagher
Insurance | Risk Management | Consulting

Welcome to VUE Wrap-Up™ Contractor Portal!

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

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

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

If you are not already registered, please Register yourself via the link below.

REGISTER ME

Already registered user?
URL has been expired. Please check once.

Enter your User Name

Enter your Password

LOGIN Remember User Name

[Trouble logging in?](#)

© Computer Solutions and Software International, LLC.

First time users please click here to register.

Step1: Registering and Logging In

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

- A. Fill in the form with your first name, last name, email ID (email address) and enter the user ID you would like to use. Your user ID can be any name or phrase you will easily remember, such as your first initial and last name (preferred), your company name, or your email address. Password must contain letters, numbers and symbols.
 - a. All fields in yellow are required
 - b. FEIN (your company's Federal Tax Identification Number) field is optional, but recommended as it will link your account to any existing contracts linked to your company

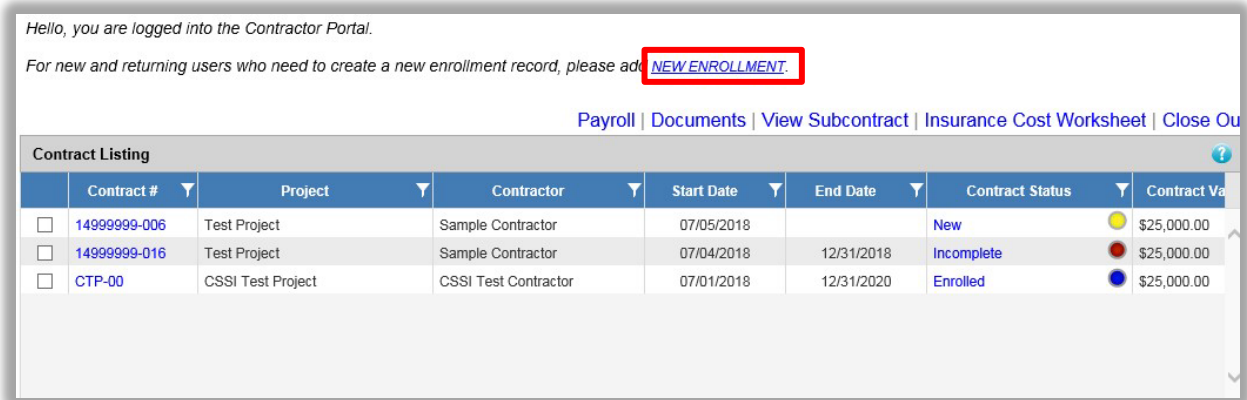
- B. When your registration has been completed successfully, you will see the message **“User ID and Password are created”**. Please click here to login to **“Contractor Portal”**. Click the link to be redirected to the login page where you can login to the portal to complete your enrollment. You will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

Step 2: Completing an Enrollment

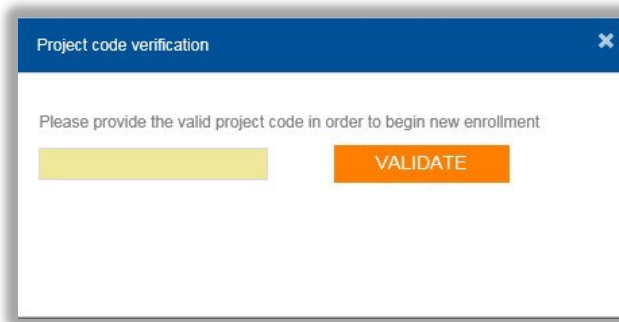
- A. If your incomplete enrollment already has a contract in the system, you may be required to fill in the missing details. Your contract can be selected by clicking on the contract number hyperlink in the Contract # column.

Contract #	Project	Contractor	Start Date	End Date	Contract Status	Contract Value
14999999-006	Test Project	Sample Contractor	07/05/2018		New	\$25,000.00
14999999-016	Test Project	Sample Contractor	07/04/2018	12/31/2018	Incomplete	\$25,000.00
CTP-00	CSSI Test Project	CSSI Test Contractor	07/01/2018	12/31/2020	Enrolled	\$25,000.00

- B. If you do not see a contract for the specific project you are enrolling in, click the “New Enrollment” button.



C. When the user clicks on the **New Enrollment** link, a pop up screen will open as shown below. Users should provide the Project Code as listed in their Wrap Up manual or provided by their Wrap Up Administrator.



Step 3: Enrolling

- A. The Enrollment Screen includes the following sections, each of which can be expanded or collapsed for ease of review:
 - a. Provide Company Information
 - b. Provide Contract Information
 - c. Provide Contact Information
 - d. Provide Address Information
 - e. Provide Estimated Payroll for work performed on the Contract
 - f. Provide Additional Information
 - g. Approval and Signature

Application For Enrollment

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

⊖ Expand All ⊕ Collapse All

Provide Company Information ⊕

Provide Contract Information ⊕

Provide Contact Information ⊕

Provide Address Information ⊕

Provide Estimated Payroll for work performed on this Contract ⊕

Provide Additional Information ⊕

As noted in the CCIP Manual, Swinerton will purchase General Liability and Excess Coverages for the benefit of participating subcontractors. In exchange for this benefit, the undersigned agrees as follows:

This submitted information accurately reflects the total projected insurance costs (for bidder and all subcontractors noted on this form) that would apply if my regular insurance program were to provide coverage for this work. I agree that Swinerton will apply the above insurance deducts, based on subcontractor's normal cost of insurance. This deduct will be taken from a submitted pay application. Subcontractors enrolled in the PLP program will be responsible for an insurance deductible obligation which will range from \$1,000-\$25,000 per occurrence for General Liability, if determined the subcontractor is liable for the associated claim. For losses falling within the Products/Completed Operations period, the

I agree that the statements in this application are true and accurate to the best of my knowledge.

Signature (print your name)* Enrollment Date

PRINT
SUBMIT
SAVE FOR LATER

B. Fill in each section with your information to the best of your ability. Every section is required to be completed.

a. For a new enrollment, all fields should be filled in



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

Select Existing Address ⌵

1. If your company has previously enrolled in a contract on our portal, you will have an option to select previous information in some fields
- b. If a contract has been added to your portal by an AJG Wrap-up Administrator, you may not be able to edit some fields. Move on from those and fill in all the other fields as completely as possible
- c. If you notice a mistake in a non-editable field, contact your AJG Wrap-up Administrator
- d. If you are not sure what a field is requesting, hovering over the field title will show captioned explanations

- C. In the Contact section you must enter at least one contact and it must be marked as primary. You may also add additional contacts i.e. Payroll Contact or Worker's Comp Claim Con.

Provide Contact Information

Contact Type* Select Primary

First Name* Last Name

Email* Mobile




Phone




Contact Type* Select Primary


First Name* Last Name


Email* Mobile

Phone

- You must provide a value for your corresponding preferred mode of contact. For example, if you select email as your preferred method of contact, you must provide an email address.
- If the enrolling contractor has existing contacts available in our system, they can make a selection from the existing records by selecting contact information from the dropdown available on top of each contact box. Once selected, the contact details will be populated in the respective fields.
- User can manually enter the new contact by performing these steps: Select contact type, from dropdown menu; enter First Name, Last Name, Email, Phone, and Mobile. By default, the Primary checkbox will be marked for the first contact added. Please note, that the email is mandatory.
- To add an additional contact, click the ADD  button
- Once a second Contact is added the CLEAR  and DELETE  button will be available for existing Contact block, allowing the user to clear the details and re-enter or delete the record if needed

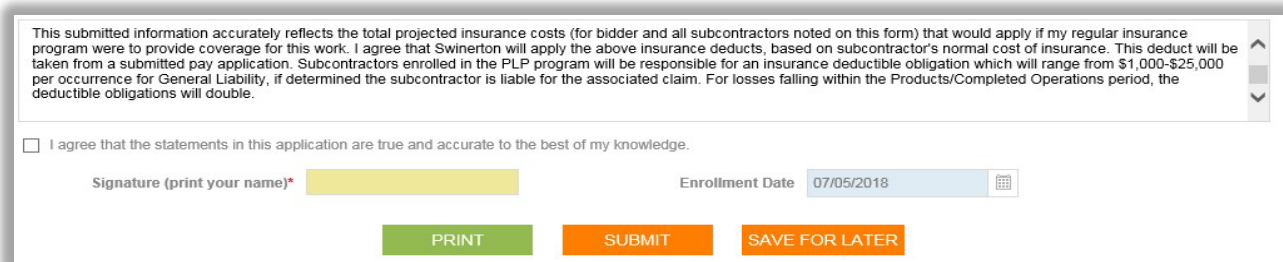
- A. In the Address section, enter a primary address by filling in all fields and checking the checkbox “Primary”. You must enter at least one address, and if there is only one it must be marked as primary.
- To add a secondary address, click the ADD  button in the lower left hand corner of the section containing that address
 - Once another address is added, the CLEAR  and DELETE  button will be displayed for the existing Address block, allowing the user to clear the details and re-enter or delete the record if needed
 - Note: You cannot delete an address that has already been approved by the AJG Wrap-up Administrator. If there is an error in the address approved or entered by the AJG Wrap-up Administrator, please contact them directly.



- B. In the Estimated Payroll section, you must enter your best estimate of payroll for entirety of the project.
- You must submit estimated payroll for **all** General Liability Class Codes you will be working under on the project. To add estimated payroll for additional codes, please press the Add  button on the lower right hand corner of the section.



- C. Before you submit your enrollment information, you must check the confirmation checkbox. (Note: The text in your portal may differ from what is shown in the screenshot.) Once you have verified that all information entered is correct, please check the checkbox, and type your name in the Signature box.



D. If you do not have all the necessary information needed for your enrollment, you are now allowed to save the information that you have input and come back to finish at a later time.



After pressing the Save for Later or Submit button be sure to confirm your selection before leaving the page. If you do not, your enrollment will not be saved or submitted in any way.

You are about to submit your enrollment application. Click "Yes" to submit, click "No" to review and make changes.

Yes No

E. Once your Contract is submitted, you cannot make changes to the enrollment.

Step 4: Uploading Documentation

A. As part of your enrollment, you **may** be required to submit supporting documentation such as:

- a. Insurance Policy Rate and Declaration Pages
- b. Certificates of Insurance
- c. NKLL (No Known Loss Letters)
- d. Other Documents

The system will prompt you as to which documents are required.

Documents

For now we will show the following message until Product team gives us the ability to show these bullets based on the selected settings. Please upload the following documents, as they may be required to process your enrollment. If you are unsure what documents are required, you should refer to your CIP Insurance manual for a complete listing.

- Workers' Compensation Declaration and Rate Pages
- General Liability Declaration and Rate Pages
- Excess Declaration and Rate Pages
- Offsite COI

Contract # CTP-00

Select Document Category

<input type="checkbox"/> COI Reviews/Renewals	<input type="checkbox"/> Enrollment
<input type="checkbox"/> Excess Dec & Rate Pages	<input type="checkbox"/> GL Dec & Rate Pages
<input type="checkbox"/> Insurance Cost Worksheet	<input type="checkbox"/> No Known Loss Letter
<input type="checkbox"/> Notice of Completion	<input type="checkbox"/> Other Documents

Select File BROWSE ?

UPLOAD FILE

Document Category	Document Name	File Name	Document Date
CIP Manual	CIP Manual	GC-ChelseMontrose.pdf	07/01/2018

B. Accessing the Documents screen

- a. Once you have submitted your enrollment you can press the Documents button on the top Right

On the Documents screen you must choose from the Select Document Category and Select File to upload the document. Refer to the image below. If there are existing document(s) for the selected Contract, the system will display those under Documents section.

Document Category	Document Name	File Name	Document Date
CIP Manual	CIP Manual	GC-ChelseMontrose.pdf	07/01/2018

C. To add the documents to the selected Contract, follow the steps below:

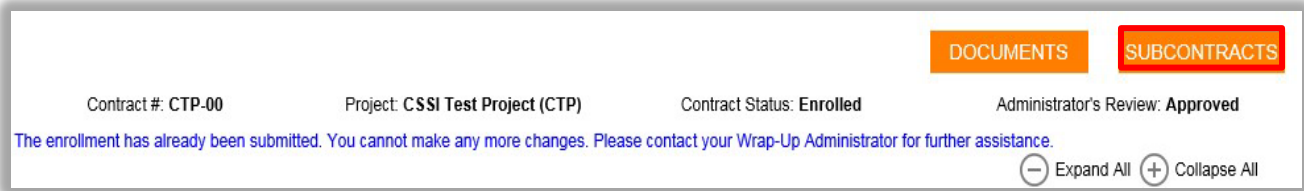
- Select the Document Category from the available options. Note: A user can select multiple Categories, i.e. "GL Dec and Rate Pages" and "Excess Rate and Dec Pages"
- To locate the file to upload, browse your local drive by clicking on the Browse button. The file must be available on your device or computer from which you are currently accessing the portal.
- Once the file is successfully uploaded, the document(s) will be listed in the Documents section of the Documents Screen

Notes:  Only PDF, DOC, DOCX or TIFF documents can be uploaded and all files must be 10MB or under.

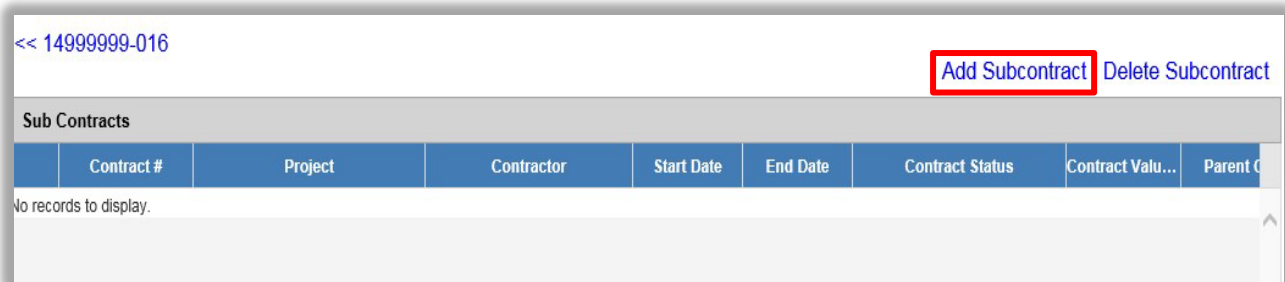
Step 5: Adding a Subcontract

If you need to add a Lower Tier Subcontractor please follow the below instructions.

- A. From the Enrollment Screen select the Subcontract button on the top right hand corner.



- B. This will bring you to the Sub Contract Screen. Begin by pressing the Add Subcontract button.



- A. This will open a Subcontract enrollment Screen
 - a. Please fill out all information to the best of your ability
 - b. Business Name, FEIN # (If known), Subcontract Value, Expected Start Date
 - c. Contract # is a read only field
 - d. Verify the information and check the checkbox next to the statement "Statements in this application are true and accurate to the best of my knowledge"
 - e. Press Submit and confirm

- B. To add an additional subcontracts; click on the Add Sub Contract button again the first Sub Contract screen.
- G. If you are entering Final Payroll, please check box next to “Is Final Payroll for contract?”

- H. After all required information has been entered, click the Submit button. **Please note:** Once the payroll information has been submitted it is still editable and can be resubmitted as needed. If you are unable to edit please contact the AJG Wrap-up AJG Wrap-up Administrator for changes.

To print, click Print button on the top right corner of Actual Payroll screen. A PDF file will open displaying the details of the submitted Actual Payroll.

Step 6: Close Out

- A. Once logged in to the portal site select the Contract # listed on the Home Screen, then Click on the Close Out button.
 - a. Note: If any of your Contract #'s are not listed, please contact your AJG Wrap-up AJG Wrap-up Administrator to check the status of enrollment

Payroll | Documents | View Subcontract | Insurance Cost Worksheet | **Close Out**

Contract Listing

	Contract #	Project	Contractor	Start Date	End Date	Contract Status	Contract Value
<input type="checkbox"/>	14999999-006	Test Project	Sample Contractor	07/05/2018		New	\$25,000.00
<input type="checkbox"/>	14999999-016	Test Project	Sample Contractor	07/04/2018	12/31/2018	Incomplete	\$25,000.00
<input type="checkbox"/>	CTP-00	CSSI Test Project	CSSI Test Contractor	07/01/2018	12/31/2020	Enrolled	\$25,000.00

B. Please fill out all fields

- a. Notice of Completion Date: the day your company finished work on site
- b. Completion Signature: The name of whomever is completing the form
- c. Final Contract Value: Your final contract value with you Prime Contractor
- d. Payroll Information: The final payroll amount for all Class Codes from your enrollment, for the entire project. Once all information is completed, please press the Submit button. You will see the message “Data Saved Successfully”.

Contract Close Out

By completing the details below, you are indicating that your work on this project is complete and you no longer have any employees returning to the jobsite. Please refer to your Wrap Up manual to confirm whether or not a Non CIP COI is required to return to the jobsite.

Contract # 14999999-006

Notice of Completion Date* **05/01/2019** Completion Signature* **Tali Kirkwood**

Final Closeout Information

Final Contract Value* **\$100,000.00**

Refresh Payroll

Class Code	Final Man Hours	Final Payroll (\$)	Final Gross Payroll (\$)
<input type="checkbox"/> 5140 - Electrical Wiring - equals or exceeds \$28.00	200.00	\$200,000.00	
	200.00	\$200,000.00	\$0.00

- e. Subcontractor Details: (if you did not hire any subcontractors please move to step 2) Any contractors you have hired that have already enrolled in our program will appear in the Existing Subcontracts Chart

Sub Contractor Details

EXISTING SUBCONTRACTS
Please enter your subcontractor's final contract value.

Contract #	Contractor Name	Contract Status	Final CV (Reported by Sub)	Final CV (Reported by Parent)
No records to display.				

Final CV (Reported by Sub)

1. Your subcontractors' reported final Contract Value will populate in the **Final CV (Reported by Parent)** column. To confirm or correct the Final Contract Value, you must fill in the column.
2. If you did not hire any subcontractors select No, and press **SUBMIT**. If you did hire subcontractors and they are listed above select No, and press **SUBMIT**. If you did hire subcontractors and they are NOT listed above select Yes and add subcontracts in the Add Subcontracts chart by pressing the **+** button and filling in requested details.

Are there any subcontractors that you hired for this project, that are not listed above, as EXISTING SUBCONTRACTORS? **Yes**

ADD SUBCONTRACTS
Please add a line and provide the details for any of your subcontractors that are not listed above.

<input type="checkbox"/>	Subcontractor Name	Sub's Start Date	Description of Work	Contact First Name	Contact Last Name	Contact Email	Final Contract Value
<input type="checkbox"/>	Sample Contractor	03/01/2019	Electrical Installation	New	Contact	NewContact@sample.com	\$99,999,999,999.00
<input type="checkbox"/>							

3. Once all hired subcontracts are reported, please review your Close out and press **SUBMIT**.

Accident Reporting for General Liability Claims

If an injury is involved, the Subcontractor's superintendent must immediately arrange for first aid or other required medical treatment for the injured party.

All Incidents, regardless of severity, shall be reported immediately to the Job Site Contact and On-site Safety Coordinator and reported to the Insurer by telephone.

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

Karen Durley
Gallagher
Direct: (949) 349-9632
karen_durely@ajg.com

Denver Stairs
Clovis Unified School District
Direct: (559) 327-9260
denverstairs@cusd.com

Jasmine Cooper
Bush Construction
Direct: (559) 267-6010
jasmine@bushconstruction.net

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

Definitions for Purposes of This Manual

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

Personnel Directory

Clovis Unified School District (Owner) Contacts

Bush Construction (CM) Contacts

Associate Superintendent, Administrative Services	Michael Johnston Clovis Unified School District Direct: (559) 327-9110 michaeljohnston@cusd.com	Project Administrator	Veronica Gutierrez Bush Construction Direct: (559) 584-1575 vgutierrez@bushconstruction.net
Assistant Superintendent, Facility Services	Denver Stairs Clovis Unified School District Direct: (559) 327-9260 denverstairs@cusd.com	Project Manager	Jasmine Cooper Bush Construction Direct: (559) 267-6010 jasmine@bushconstruction.net
		Safety Coordinator	Brockton Wheeler Bush Construction Direct: (559) 670-2449 bwheeler@bushconstruction.net

Gallagher (Insurance Broker) Contacts

*Enrollment/ Administration	Ariana Daniels Gallagher Direct: (725) 735-3907 ariana_daniels@ajg.com	Program Director	Anthony Carlton Gallagher Direct: (619) 651-5317 anthony_carlton@ajg.com
Program Manager	Richard E. Banlowe Gallagher Direct: 818-539-1210 Mobile: 805-630-4339 richard_banlowe@ajg.com	Client Service Supervisor	Peggy L. Wylie Gallagher Direct: (925) 953-5266 peggy_wylie@ajg.com
		General Liability Claims	Karen Durley Gallagher Direct: (949) 349-9632 karen_durely@ajg.com

Gallagher at a glance

We help you face your future with confidence. Gallagher has been designing solutions to meet our clients' unique needs for more than 90 years. We pioneered many of the innovations in risk management used by businesses in all industries today.

- A global corporation with a strong heritage and culture
- Divisions specializing in retail insurance brokerage operations, benefits and HR consulting, wholesale distribution, and third-party administration and claims processing.
- More than 850 offices in 49 countries and over \$6 billion in brokerage & risk management revenues.
- Client-service capabilities in more than 150 countries around the world through a global network of correspondent brokers and consultants.
- Founded in 1927, publicly traded since 1984.

This material was created to provide accurate and reliable information on the subjects covered but should not be regarded as a complete analysis of these subjects. It is not intended to provide specific legal, tax or other professional advice. The services of an appropriate professional should be sought regarding your individual situation.

© 2021 Arthur J. Gallagher & Co.

www.ajg.com



Insurance | Risk Management | Consulting

"World's Most Ethical Companies" and "Ethisphere" names and marks are registered trademarks of Ethisphere LLC.



**INCREMENT NO. 1
BID PACKAGES**

Bid Package #	Bid Package Description	Contractor License Requirement (, = or)
CES-01	EARTHWORK, CONCRETE, & CMU	A, B, C-8, C-12
CES-02	SITE UTILITIES PLUMBING : DOMESTIC, SANITARY, STORM, FIRE, & GAS (ADDENDA #2)	A, C-36
CES-03	SITE ELECTRICAL & LOW VOLTAGE	C-10
CES-04	LANDSCAPE	C-27



FOWLER MCKINLEY ELEMENTARY SCHOOL

CES-01 EARTHWORK, SITE CONCRETE, & CMU

- Section 01 57 23 Storm Water Pollution Prevention Plan
- ~~Section 01 71 23 Field Engineering (ADDENDA #2)~~
- Section 03 11 01 Concrete Formwork
- Section 03 15 14 Drilled Anchors
- Section 03 20 00 Reinforcement
- Section 03 30 00 Cast-In-Place Concrete
- Section 04 22 00 Concrete Masonry Units (CMU)
- Section 07 92 00 Sealants
- Section 08 70 00 Hardware
- Section 08 70 00.01 Hardware schedule
- Section 10 05 00 Miscellaneous Specialties (Stair Striping)
- Section 10 14 53 Road and Parking Signage
- Section 10 75 00 Flagpoles
- Section 11 68 13 Play Equipment
- Section 12 93 13 Bicycle Racks
- Section 31 00 00 Offsite Development
- Section 31 10 00 Site Clearing
- Section 31 11 00 Clearing and Demolition
- Section 31 20 00 Earthwork
- Section 31 22 00 22 Soil Materials (ADDENDA #2)
- Section 31 23 00 33 Trench Excavation and Backfill (ADDENDA #2)
- ~~Section 31 31 00 Soil Treatment (ADDENDA #3)~~
- Section 32 12 00 Pavement
- Section 32 12 16 Soil Sterilization (Weed Control)
- Section 32 18 16 Playground Surfacing (ADDENDA #2)**
- Section 32 19 19 Ornamental Metal
- Section 32 31 13 Chain Link

CES-02 SITE UTILITIES PLUMBING: DOMESTIC, SANITARY, STORM, FIRE, & GAS (ADDENDA #2)

- Section 03 30 00 Cast in place Concrete (As applicable to storm, sewer, manholes, thrust blocks, etc.)
- Section 21 05 23 General Duty Valves for Fire Protection
- Section 21 05 53 Identification for Fire Protection
- Section 21 11 00 Facility Fire Suppression Water Service Piping
- Section 21 11 19 Fire Department Connections
- Section 22 00 00 General Plumbing Provisions (Gas, Water, Fire Water, Storm, Sewer)
- Section 22 00 50 Plumbing (Gas, Water, Fire Water, Storm, Sewer)
- Section 23 01 00 General Mechanical Provisions (As Applicable)
- Section 31 23 33 Trench Excavation and Backfill
- ~~Section 32 84 00 Landscape Irrigation System (For Backflow Preventor and installation) (ADDENDA #2)~~
- Section 33 12 00 Water Utilities
- Section 33 30 00 Site Sewer Systems
- Section 33 40 00 Storm Drainage

**CES-03 SITE ELECTRICAL & LOW VOLTAGE (ADDENDA #2)**

Section 03 15 14 Drilled Anchors
Section 03 30 00 Cast in place Concrete (As applicable to slurry, and light pole bases, and grouting)
Section 26 05 00 Common Work Results for Electrical
Section 26 05 26 Grounding
Section 26 05 53 Electrical Identification
Section 26 20 00 Low Voltage Electrical Transmission
Section 27 00 00 Telecommunication Systems
Section 27 05 28 Communications Infrastructure System
Section 27 10 00 Structured Cabling System

CES-04 LANDSCAPE

Section 03 15 14 Drilled Anchors
Section 32 84 00 Landscape Irrigation System
Section 32 90 00 Landscape Construction

SUMMARY OF WORK FOR FOWLER MCKINLEY ELEMENTARY SCHOOL

PART 1 – GENERAL

As the Construction Manager (CM) for this project, David A Bush, Inc. (CM) reserves the right to publish Contractor Information Memos (CIM) prior to bid modifying the contract documents, as necessary. Please acknowledge all CIM on your proposal.

The following bidding instructions shall be adhered to by ALL BIDDERS and all bids shall include cost and time to incorporate all of the instructions noted below.

Please note this is a CM Multiple Prime project with all trades contracted to Clovis Unified School District as in a normal lump sum public works contract. All normal aspects of school construction will apply. All Prime Contracts shall be on the District's form which is included in the Contract Documents. Failure to adhere to these contract requirements and instructions may be grounds for rejection of proposal.

1. All bidders must submit proposals on the form provided in the contract documents.
2. All prime contractors will be responsible for paying the non-refundable fees associated with the use of the Architects project CAD files. Fees, forms, and limitations can be found in the project specifications, 01 33 00.
3. In all cases where the plans and specifications are unclear or conflicting it shall be the responsibility of those submitting a bid to EITHER provide a proposal which includes the greater scope or most expensive option or choice at the time of bid OR provide a timely pre-bid RFI that addresses the question in detail.
4. All salvaged items shall be relocated per the contract documents direction and in the absence of direction to the Owners main yard.
5. Any and all miscellaneous or incidental materials or work normally provided by industry standard shall be provided by the Prime Contractor for their Bid Package.
6. Each Prime Contractor shall be responsible for the Safe performance of all of their work and adhere to all safety requirements required by the contract documents and by law.
7. Proposals will be evaluated first on their conformance to the contract documents as a complete bid. Proposals may be rejected as non-responsive if determined to be inconsistent with the bid documents requirements.
8. All Prime Contractors shall provide insurance in a form and limits as required by the contract documents. Prime Contractors shall require their Subcontractors of every tier to carry insurance in a form and limits as required by the contract documents.
9. If a tentative project construction schedule is published prior to bid, it shall become part of the contract documents.
10. If a RFI LOG and/or responses are published prior to bid it shall become part of the contract documents.
11. If a soils report is published prior to bid it shall become part of the contract documents with limitations as stated therein.
12. If a SWPPP is published prior to bid it shall become part of the project and each Prime Contractor, whose work is affected by the implementation shall be responsible for that cost.
13. Each Prime Contractor shall be responsible for locating roof jacks for their scope of work.
14. Any repairs (if required, due to damage by a Prime Contractor) to existing finishes such as plaster, sheetrock, paint, or concrete must be done between natural breaks such as corner to corner or score line to score line.

15. All Prime Contractors shall provide a contact cell phone number to the Construction Manager for contact.
16. Fire watch, if required, shall be provided by the Electrical Bid Package Prime Contractor.

1.01 SUMMARY

A. General: Construction of BASE BID and Alternate portions of the work for this project, **Clovis Unified School District, Elementary School #35, Increment 1 and 2**. BASE BID and Alternate portions of the work is defined as all material, labor, equipment, and services necessary to do all work shown on the drawings and called for in the Specifications. The following specific trade requirements shall not be excluded from their proposal. Exclusion of any required scope specified shall be grounds for rejection. The scope of work for each trade shall remain as required by the Contract Documents. The specific list of scope herein shall be minimum and shall not limit the scope of that trade where required otherwise.

General Summary of the Project

The following information applies to all Bid Packages and shall be reviewed carefully for inclusion in each bid. Following are critical logistics related to the Project:

1. Hazardous Abatement is required if Hazardous Abatement Report is included in Contract Documents.
2. All work for the project will be performed during the hours of 7:00 a.m. to 3:30 p.m.
3. Submittals and material procurement shall begin immediately upon award or letter of intent from the CM.
4. Material procurement is critical and shall be diligently pursued to meet the contract schedule.
5. Prime Contractors shall review the project completely prior to bidding the work.
6. Coordination of work during the preconstruction period is equally as critical to resolving all issues prior to the start of work. Prime Contractor shall review the project, coordinate, and question any issues to allow resolution prior to the start of work.

In addition to the work noted in each package, the following will apply and become a part of the contract with each respective Prime Contractor.

Contract

All successful bidders will be required to enter into a Prime Contract Agreement with Clovis Unified School District.

Contractor Information Memos

All Addendums and Contractor Information Memo's issued during bidding will be incorporated into the Contract Documents by reference. Submission of proposal shall acknowledge that Prime Contractor has reviewed and accepts these documents as part of the Contract Documents.

Submittals and Material Procurement

1. Submittals and material procurement shall begin immediately upon award or letter of intent from the District.
2. Material procurement is critical and shall be diligently pursued to meet the contract schedule.
3. Substitutions must be noted in each bid with all costs for the specified product included in the bid and the substitution cost noted separately.

Alternates

Additive Alternates for the work are as follows. Please provide a base bid for the project then list all alternates:

1. As shown in the plans and specifications and clarified in any Addendum.

Crew Sizes

Given the tight schedule for the project, it will be necessary to have larger than normal crew sizes to meet the schedule. This is inclusive of all trades. All Prime Contractors shall review the schedule and confirm that they can crew the project accordingly prior to submitting a bid. Include with each bid minimum and maximum crew sizes projected for the project.

Schedule

1. Prime Contractors shall review the project and schedule completely prior to bidding the work.
2. Prime Contractor will be required to provide a schedule and crew sizing showing how the work will be accomplished within the given time frame.

State Agency Requirements

1. Work under each contract shall comply with the Storm Water Pollution Prevention Plan (SWPPP) standards and as set forth in the Contract Documents.
2. All work under each contract shall comply with San Joaquin Air Pollution Control District standards. Provide dust control for own work.
3. All work shall comply with OSHA requirements.

Access Plan

If an access and site logistics plan is included in the Contract Documents, access and restriction shall be enforced as a part of the project. Please advise of any questions regarding the plan prior to bid.

Site Logistics, Work and Coordination (applies to each Prime Contractor):

1. Fingerprinting will be required as called for in the contract documents when contact with students may occur.
2. Review and verify all existing conditions.
3. Power will be provided to within 100'-0" of all buildings. Each Prime will be required to provide all necessary temporary utility distribution from services provided.
4. All Prime Contractors shall attend coordination meetings and provide coordination drawings for underground and above ceiling work for work related to its Bid Package and scope for coordination of utilities, openings and other areas that require interface between trades. Coordinate all drawings with the drawings of this bid package. Note conflicts and provide potential solutions to the CM for Architect review. Coordination and drawing approval must occur prior to excavation and/or overhead work. Prime Contractors shall attend a pre-installation meeting prior to the start of its work onsite. All Prime contractors shall be available for pre-installation meetings of other Bid Packages for coordination of related work.
5. Only company vehicles are allowed onsite. Personal vehicles will not be allowed on-site except for in identified locations shown in contract documents. Prime Contractor to make provisions for transport or tool distribution needs.
6. Lunch and breaks shall be at designated areas. No other areas will be allowed.
7. Protect all work, new and existing from damage until acceptance by owner.

8. Storage areas will be confined to the areas designated by CM. Staging areas around the building shall be coordinated with the CM.
9. Provide written request for information through the CM for layout information from related Bid Packages for all rough-in, embedded items, openings, and block-outs, etc.
10. Request and review all associated shop drawings for coordination and layout purposes prior to installation of related materials.
11. Furnish and install all trims, escutcheons, and sealant for own work abutting other materials.
12. Furnish and install protection of all roofing for own work.
13. Furnish and install all physical layout for own work.
14. There will be one wash out area as designated by the CM. Each Prime Contractor will be responsible for removal from the site of all debris and spoils generated by their scope. All spoils are to be moved to the dedicated location on site.
15. Coordinate all work with mechanical, plumbing, fire sprinkler, and electrical Bid Packages for shut down of services as needed. 48-hour notice is required prior to all shut down activities.
16. Review as-builts and underground locator survey and pothole utilities prior to starting work.
17. All Bid Packages are responsible for cleaning of the street, due to tracking out excess dirt or mud, should the preventative measures set in place in accordance with the SWPPP and Dust Control Plans fail to stop all spoils from escaping the site.
18. Secure all ladders and lifts each evening.
19. Provide caution tape and/or barriers for open area work and traffic control.
20. Protect all work, new and existing, from damage until acceptance by owner.
21. Provide water and shade for own crews.
22. Furnish access to roof for own work. Ladders are to be removed and secured at the end of each shift.
23. Provide fall protection for own work in own Bid Package unless specifically noted otherwise in each Bid Package.
24. Provide caution tape and/or barriers for open area work and traffic control. In accordance with all applicable Federal, State, Local, and District standards.
25. Provide layout and coordinate all demolition and ceiling removal required for your scope of work.
26. Coordinate extent of all demolition with related Prime Contractors prior to starting work.
27. Patch Fireproofing at all utilities for own work.
28. Protect all countertops as required by each trade.
29. Furnish and install fire stop for all required through penetrations for own work.
30. Core penetrations through walls as required for installation of own work and patch as noted on the plans.
31. Furnish and install all access doors necessary to provide access to work included in your respective scope of work.
32. Any deviation from the contract documents resulting in additional design will be at the cost of the Prime Contractor responsible for the additional design, as well as any associated cost for delay of schedule.
33. Each Prime Contractor is to provide all equipment and manpower as necessary to offload all materials required to complete their respective scope of work.
34. Monthly payment applications will not be approved if as-builts are not up to date.
35. Adequate manpower is required by Prime Contractor to maintain the posted construction schedule.
36. Prime Contractor consents to execute District's Prime Contractor Agreement as provided in the Contract documents, without modification.

37. Furnish daily cleanup of all debris generated by your respective scope of work. Prime Contractor must abide by the Waste Management Specification.
38. Water Hydrants are located in development around site. Prime Contractors are responsible for own water meters for construction water needs throughout the project. Methods of delivery and use of water for the work of each trade are the responsibility of the Prime contractor.
39. Coordinate all work to provide access to buildings for other trades as scheduled. Provide a breakout schedule of where and when work will be performed that has been coordinated with other activities in the schedule for other trades.
40. Furnish and install own floor protection (i.e., tarps, plastic, plywood, etc.)
41. Furnish and install covers at all holes in elevated decks created by your work in which debris may fall to the level below, per CAL OSHA regulations.
42. All construction equipment shall meet the requirements of the SJVAPCD ISR report (Air Impact Assessment – AIA) under the Construction Clean Fleet Summary. This shall include reporting requirement as defined within the Monitoring and Reporting Schedule within the ISR for this project.

General Items to be Provided by the CM

1. Toilet and hand wash facilities.
2. Temporary site fencing.

Drawings and Specifications

Drawings and general provisions of Contract, including General and Supplementary Conditions, and Division 00 Bidding and Contract Requirements, and Division 01 General Requirements, apply to the work of each Bid Package. The work under each Bid Package shall include the furnishing and installation of all material, equipment, procedures, methods, items, and labor as required to complete the work described in each Bid Package. The work shall be completed as shown on the Drawings and Specified in any and all applicable Specification Sections.

Completion of Work

The work of each Bid Package must be completed according to the construction schedule included with the Contract Documents.

Note: The term “provide” means to “furnish and install, complete and ready for the intended use.”

The work includes, but is not limited to, the items numerically listed in each Bid Package and in accordance with the applicable Drawings and Specification Section(s). Provide all work specified within each Bid Package and applicable Specification Section(s) with the exception of items listed as “work by others.”

While the ways, means, and methods will be the responsibility of the Prime Contractor, the items in the Bid Package Summary of Work are presented for construction clarifications.

General Items – All Prime Contractors

Furnish and install all work specifically required throughout the project documents to complete the work of this Prime Contractor that specifically includes, but is not limited to the following:

Specification Sections

Division 01

Division 00

Refer to additional related specifications sections for work specifically included in this bid package noted below.

1.03 WORK UNDER OTHER CONTRACTS:

A. General Requirements:

1. Work under separate contracts may occur throughout the duration of the project. The work being installed under separate contracts will occur adjacent to the Contract project site including offsite work.
2. Prime Contractor shall be responsible for coordinating access to and from the site throughout the duration of the project. Access points to and from the site may vary, based upon timing and duration of separate contracts.
3. Prime Contractor shall cooperate and coordinate all work under this Contract with all work under separate contracts.
4. Should the Prime Contractor damage and/or otherwise alter work installed under separate contracts, Prime Contractor shall be responsible for the correction/repair of work installed under separate contracts.
5. Prior to the installation of the Work, coordinate the work installed or to be installed by separate contracts relative to own work.

B. Separate Contracts by Owner:

1. Coordinate as awarded.

C. Separate Contracts by Others:

1. Adjacent Properties: Residential.

D. Phasing:

1. Phasing is projected to be as shown on the Bid Schedule. However, the owner reserves the right to revise start times pending the review and award of bids.

1.04 BID PACKAGE'S DUTIES:

A. Except as specifically noted, provide, and pay for:

1. Labor, material, and equipment. **All bid packages will be required to provide full time, qualified, knowledgeable supervision for their self-performed, and sub contracted labor. See General Conditions for Contractors specification 00 07 00, and specifics of Article 4 in this reference. (ADDENDA #2)**
2. Tools, construction equipment and machinery
3. Other facilities and services necessary for proper execution and completion of Work.
4. Water: See Specification Section – TEMPORARY FACILITIES AND CONTROLS.

B. Pay legally required sales, consumer and use taxes.

C. Give required notices.

D. Comply with codes, ordinances, rules, regulations, orders, and other legal requirements of public authorities which bear on performance of Work.

1. Prime Contractor shall certify in writing that no materials containing Asbestos are incorporated in the work, in accordance with the Asbestos Hazard Emergency Regulations Act.

E. Promptly submit written notice to CM of observed variance of Contract Documents from legal requirements.

1. Appropriate modifications to Contract Documents will adjust necessary changes.
 2. Assume responsibility for work known to be contrary to such requirements and without written notice to Architect of observed variance.
- F. Enforce strict discipline and good order among employees. Do not employ on Work:
1. Unfit persons.
 2. Persons not skilled in assigned task.
- G. Provide material, equipment, and manpower to meet Construction Schedule provided in Contract Documents.
- H. All Prime Contractors will be responsible for paying the non-refundable fees associated with the use of the Architects project CAD files. Fees, forms, and limitations can be found in the project specifications, 01 33 00.

1.05 BID PACKAGE USE OF PREMISES:

- A. Confine operations at sites to areas permitted by:
1. Laws.
 2. Ordinances.
 3. Permits.
 4. Contract Documents.
- B. Do not unreasonably encumber site with materials or equipment.
- C. Do not load structure with weight that will endanger structure.
- D. Assume full responsibility for protection and safekeeping of Prime Contractor's and Owner's material stored on premises and keep the site and building secure at all times.
- E. Obtain and pay for use of additional storage or Work areas needed for operations.
- F. Limit use of site for work and storage.

End of Section

CES-01 – EARTHWORK, SITE CONCRETE & CMU

~~Survey~~, Earthwork, Grading, Paving, Soil Treatment, Site Concrete, Rebar, Misc. Specialties (Stair Striping), Flag Pole, CMU, Fencing, Playground Equipment, Site Furnishings. (ADDENDA #2)

Furnish and install all work specifically required throughout the project documents to complete the work of this bid package that specifically includes, but is not limited to the following:

Specification Sections

Refer to additional related specifications sections for work specifically included in this bid package noted below.

Division 00

Division 01

Section 01 57 23 Storm Water Pollution Prevention Plan

~~Section 01 71 23 Field Engineering (ADDENDA #2)~~

Section 03 11 01 Concrete Formwork

Section 03 15 14 Drilled Anchors

Section 03 20 00 Reinforcement

Section 03 30 00 Cast-In-Place Concrete

Section 04 22 00 Concrete Masonry Units (CMU)

Section 07 92 00 Sealants

Section 08 70 00 Hardware

Section 08 70 00.01 Hardware schedule

Section 10 05 00 Miscellaneous Specialties (Stair Striping)

Section 10 14 53 Road and Parking Signage

Section 10 75 00 Flagpoles

Section 11 68 13 Play Equipment

Section 12 93 13 Bicycle Racks

Section 31 00 00 Offsite Development

Section 31 10 00 Site Clearing

Section 31 11 00 Clearing and Demolition

Section 31 20 00 Earthwork

Section 31 22 00 ~~22~~ Soil Materials (ADDENDA #2)

Section 31 23 00 ~~33~~ Trench Excavation and Backfill (ADDENDA #2)

~~Section 31 31 00 Soil Treatment (ADDENDA #3)~~

Section 32 12 00 Pavement

Section 32 12 16 Soil Sterilization (Weed Control)

Section 32 18 16 Playground Surfacing (ADDENDA #2)

Section 32 19 19 Ornamental Metal

Section 32 31 13 Chain Link

General Items

1. See General Notes at the beginning of the Summary of Work Specification Section for other items to be included in this Bid Package.
2. Furnish and install all layout for own work from survey provided. Prime Contractor will be responsible for all additional layout not performed by the survey contractor. Prime Contractors

- are responsible for protection of all requested survey. Any needed re-staking of already provided points will be subject to deductive change order.
3. Provide all backfill of excavations to original sub-grade for work included in this bid package.
 4. Obtain all permits required to perform the work specified in the bid package. CM will submit the Dust Control plan to the Air Board. Prime Contractor will be responsible for all other permits required to perform the work identified. Prime Contractor will be responsible for dust control for their own work.
 5. Provide daily cleanup to keep site clean and orderly.
 6. Protect identified improvements to remain on civil plan sheets.
 7. Should the Prime Contractor damage and/or otherwise alter work installed under separate contracts, Prime Contractor shall be responsible for the correction/repair of work installed under separate contracts.
 8. Prime Contractor is required to attend all coordination meetings as required by CM
 9. Phasing is projected to be as shown on the Bid Schedule. However, the Construction Manager reserves the right to revise the schedule, as necessary.
 10. Promptly submit written notice to CM of observed variance of Contract Documents from legal requirements.
 - a. Appropriate modifications to Contract Documents will adjust necessary changes.
 - b. Assume responsibility for work known to be contrary to such requirements and without written notice to Architect of observed variance.
 11. Provide material, equipment, mobilizations, and manpower to meet Construction Schedule provided in Contract Documents.
 12. Each bid package is responsible for dewatering as it pertains to their scope of work.
 13. Provide trenching plan and permits for excavations over 5' per OSHA requirements to the Construction Manager.
 14. Each Prime Contractor is to provide all equipment and manpower as necessary to offload all materials required to complete their respective scope of work.
 15. Monthly pay apps will not be approved if as-builts are not updated monthly.
 16. Furnish clean up daily and off-haul of all debris generated by this contract. Prime Contractor must abide by the Waste Management specification. This includes, but is not limited to, providing recycling tags for each haul off removed from the project site.
 17. Provide daily cleanup to keep site clean and orderly.
 18. There will be one wash out area as designated by CM. Bid package will be responsible for removal from the site of all construction debris generated by Prime Contractor's work. Extra spoils to be stockpiled at the direction of CM.
 19. All construction equipment shall meet the requirements of the SJVAPCD ISR Report (Air Impact Assessment- AIA) under the Construction Fleet Summary. This shall include reporting requirements as defined within the Monitoring and Reporting Schedule within the ISR for this project.
 20. This contract is to provide temporary power for own work until such time as building temporary power is established.

Coordination with Other Trades

1. This Prime Contractor will be responsible for the initial setup of SWPPP BMP's, as shown in the SWPPP plan drawings, including but not limited to, silt fencing, track outs and fiber rolls surrounding existing drain inlets.

2. Allow for two additional mobilizations for movement or relocation of track outs as required during construction.
3. Hold all turf areas down 2" at concrete walks and mow strips for turf, 1" at planters.
4. Location for trades to stockpile their spoils will be established with CM, and this CES-01 Prime Contractor.
5. Any survey requests require a minimum of 48-hour notice.
6. Coordinate dimensions with other related Prime Contractors of all equipment and housekeeping pads. Pad sizes shall be provided by other Prime Contractors and physically laid out and installed by this contract.
7. Coordinate installation of all sleeves for work passing through concrete work with respective Prime Contractors prior to excavation.
8. Electrical and site utility Prime Contractors shall furnish and install all concrete required for installation of thrust blocks, manholes, vaults, boxes, underground structures for work related to their contract. This contract shall furnish and install all other concrete shown including aprons mow strips and collars.
9. Install and coordinate block-outs at the site concrete to facilitate installation of fine grading by Earthwork Prime contractor and to protect concrete until fine grading is complete. Complete site concrete block-outs once fine grading is complete. Backfill and fine grade once block-outs have been poured.
10. Install and physically layout all embedded items (as provided by other Prime Contractors), holes, sleeves and block outs in concrete as shown in the contract documents, related shop drawings or provided written layout. Coordinate locations with related Prime Contractors prior to installation.
11. Provide layout drawings for all site concrete joints for approval prior to installation of site concrete.
12. Review as-builts prior to starting work.

Furnish and Install Items

SURVEY (ADDENDA #2)

- ~~1. Provide adequate move-ins for each section of work as listed on the attached Preliminary Construction Schedule.~~
- ~~2. Establish a minimum of three permanent horizontal and vertical control points on the site, remote from the building area referenced to data established by survey control points.~~
- ~~3. Provide all project surveying, marking to include all new utilities, storm, fire, sewer, electrical pads for power, pumps, controls, etc. Provide staking for all site grading, curbs, site concrete, building pads, building grid lines, column, and anchor bolt verification.~~
- ~~4. Provide review of all grades and slopes to confirm they flow to drain and are in accordance with ADA code.~~
- ~~5. Provide staking for over excavation of building pads.~~
- ~~6. Provide staking of building corner grids, for building pads, for rough grading.~~
- ~~7. Provide staking of parking lot curbs with 3' off set.~~
- ~~8. Provide elevation certifications per contract documents.~~

9. ~~Staking for underground utilities.~~
10. ~~Provide staking of all electrical vaults and boxes horizontal and vertical.~~
11. ~~Provide staking of all storm drain lines and drain inlets, drain boxes, and trench drains, sewer lines and cleanouts (100'), domestic water, fire water, gas lines, and vaults (as required for excavation and installation horizontal and vertical) at the site.~~
12. ~~Provide staking of all valve locations. (Fire, Water, Gas, and back flow preventors)~~
13. ~~Provide staking for all site lighting.~~
14. ~~Provide staking of all irrigation main lines.~~
15. ~~Provide staking for all concrete walks, curbs, gutters, signs, walls, fencing, etc.~~
16. ~~Provide staking for building corners.~~
17. ~~Provide survey for every building grid line at building pad, reference points and radiuses as required.~~
18. ~~Certify Building Pads.~~
19. ~~Provide cut sheets and reference drawings for all staked items.~~
20. ~~Certify site grades when site concrete and landscaping is complete.~~
21. ~~Stake all planters, and steps.~~
22. ~~Stake for flagpole~~
23. ~~Stake play structure areas. Play structure layout to be provided from district, survey to be included in this package.~~
24. ~~Stake for basketball, tetherball, and volleyball equipment~~
25. ~~Staking of chain link and ornamental fences and gates.~~
26. ~~Stake for all backstop fencing and drinking fountains.~~
27. ~~Staking of fence mow strips – horizontal and vertical.~~
28. ~~Stake for all CMU.~~

DEMOLITION – SITE CLEARING

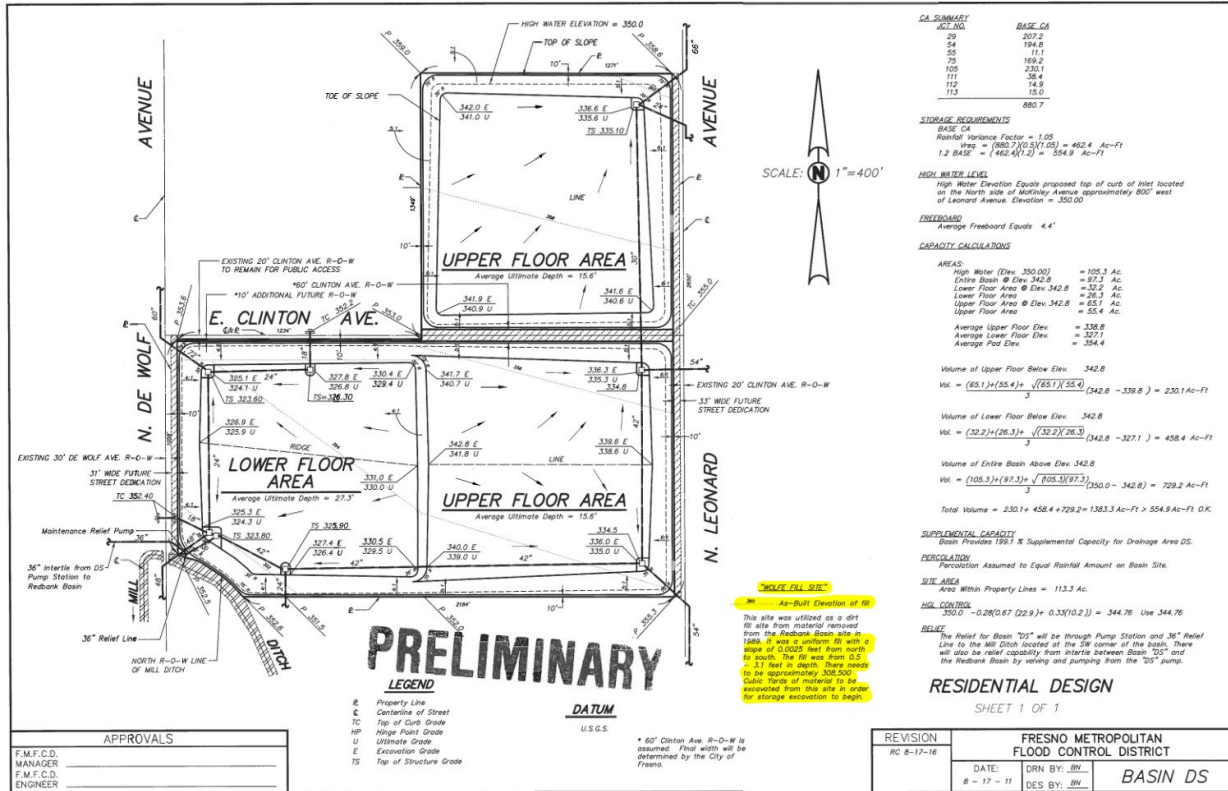
1. Provide all cut, demolition, removal, and off-haul of all items noted to be removed as shown on contract documents.
2. For site clearing and demolition follow recommendations as outlined within the soils report prepared by RMA Geoscience included in the project documents, in association with the contract documents.
3. Investigate and remove the existing 3" steel post that stands approx. 100 feet south of Weldon, and 300 feet east of Fowler. It is believed to be an abandoned fence post.
4. Make provisions to obtain water for own work. Dust control, excavations, backfills, compactions, etc. There are fire hydrants on two sides of the project. Make necessary arrangements with the city of Fresno to acquire a meter and pay for own water usages until such time that the site water has been installed and approved for site usage.

EARTHWORK AND GRADING

1. Grade all earthwork to within +/-0.05' from a planned elevation.
2. Furnish and install all cut and fill necessary to perform work. Sand to be furnished and installed by the concrete bid package at the buildings only. ~~Import soil will be provided to the site by the owner's separate contract.~~ All other materials shall be provided by this bid package. **(ADDENDA #2)**
3. **Clarification: This will be an "Import" project. This bid package will provide and incorporate approximately 35,000 cu yds of soil to the site. The material will be obtained from the CUSD Terry Bradley Ed Center ponding basin, located between DeWolf and Leonard Ave, at East Clinton Ave, where the soils has been previously tested for toxicity and suitability. Provide a per cubic yard Schedule of Values for these import soils, should additional soils, or a reduction of soils be**

required, other than the estimated 35,000 cu yds. Provide for All loading, hauling, street cleaning, dust controls, or traffic managements required will be provided under this CES-01 Earthwork and Grading bid package. Prior to starting this scope, there will be a required coordination meeting with CES-01 contractor, CUSD, RMA, and Bush Construction to discuss plan, routing, and execution. (ADDENDA #2)

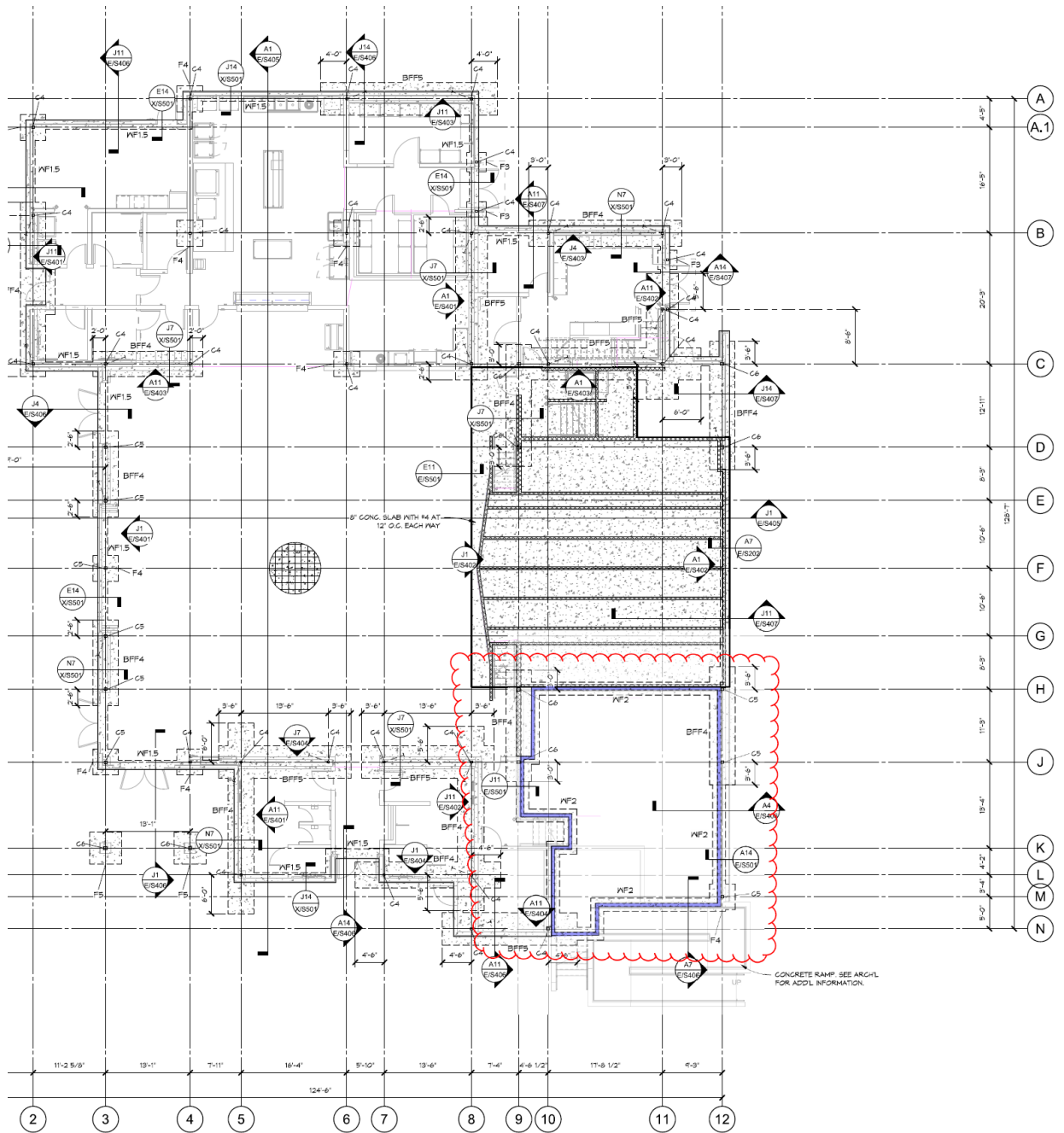
4. All areas of planters, or turf are to have a minimum top layer of 1' from existing native soil. (ADDENDA #2)
5. Furnish and install all DG where shown. (ADDENDA #2)



6. Furnish and install all grading of the site on separate move-ins (as scheduled by the CM) to accommodate the site concrete and mow strips installation. Coordinate backfill and final fine grading activities to eliminate damage to new site concrete. **Consult, and coordinate all elevations with the Landscape bid package where applicable. (ADDENDA #2)**
7. Furnish and install over excavations and building pads. (ADDENDA #2)
8. Specific to building E, from grid lines H to N, and 9 to 12, the slab is 3'-7" higher than the overall building slab. The earthwork Prime Contractor will build this up as required, then cut the material back to allow adequate work space for the structural concrete **bid package to install** footings, pour footings, build formwork, pour walls, strip, clean, and install fluid applied waterproofing. Once cured, the earthwork Prime Contractor will return to backfill and compact up against new walls and fine grade in preparation for elevated slab pour. See plan detail at end of this section for additional reference. (ADDENDA #2)
9. Furnish and install temporary ag base roadway on site for construction use, including base at laydown area. After the threat of rain, towards the end of the project, the base will need to be scraped off, final grading established per plans, and the base is to be hauled off under this contract

bid package. (See temporary access and yard plan for extent) **CLARIFICATION: The depth of the ag base may vary but must be thick enough to hold up during the rains and site traffic. If repairs need to be made to maintain an adequate roadway, it will be performed under this bid package. Spray on dust control/soil stabilizer will also be a suitable alternative for the roadways but may require more frequent maintenance and product applications. (ADDENDA #2)**

10. Maintain and protect building pads to within tolerance, elevation, moisture, weed free and compaction until accepted/received by the concrete contractor as noted in the schedule. **(ADDENDA #2)**
11. Furnish and install all soil Sterilization as per the contract documents. **(ADDENDA #2)**
12. Furnish and install backfill of mow strips, walks, curb, curb & gutter, planter, and turf areas. **(ADDENDA #2)**
13. Furnish, install, and maintain traffic control for work included in this bid package. **(ADDENDA #2)**
14. Furnish and install engineered shoring at all locations as required. **(ADDENDA #2)**
15. For excavation, backfill and compaction efforts, follow recommendations as outlined within the soils report prepared by RMA Geoscience included in the project documents, in association with the contract documents. **(ADDENDA #2)**
16. Make provisions to obtain water for own work. Dust control, excavations, backfills, compactions, etc. There are fire hydrants on two sides of the project. Make necessary arrangements with the city of Fresno to acquire a meter and pay for own water usages until such time that the site water has been installed and approved for site usage. **(ADDENDA #2)**
17. Furnish and install all SWPPP items as outlined in the SWPPP plan and in spec section 01 50 00. **CLARIFICATION: SWPPP installation is to be at and within the perimeter of the project site. All "Off Site" SWPPP to and along the west side of Fowler, and south of McKinley will be bid separately. (ADDENDA #2)**
18. This package is responsible for setup and implementation of SWPPP plan. This package is also responsible for monitoring, documentation, reporting, teardown and final cleanup of SWPPP items at completion of the project. **(ADDENDA #2)**



PAVING

1. Furnish and install all **On Site** paving base rock as identified on plans, including but not limited to under parking areas, basketball courts and drives. **CLARIFICATION: All grading, paving associated with the Off-Site improvements will be furnished and installed with that bid package. (ADDENDA #2)**
2. Furnish and install all compacted base rock as identified in contract documents.
3. Furnish and install parking bumpers and wheel stops where shown.
4. Furnish and install parking striping and/or accessible symbols as shown on contract documents.
5. Furnish and install all parking and road signage as indicated in contract documents, including

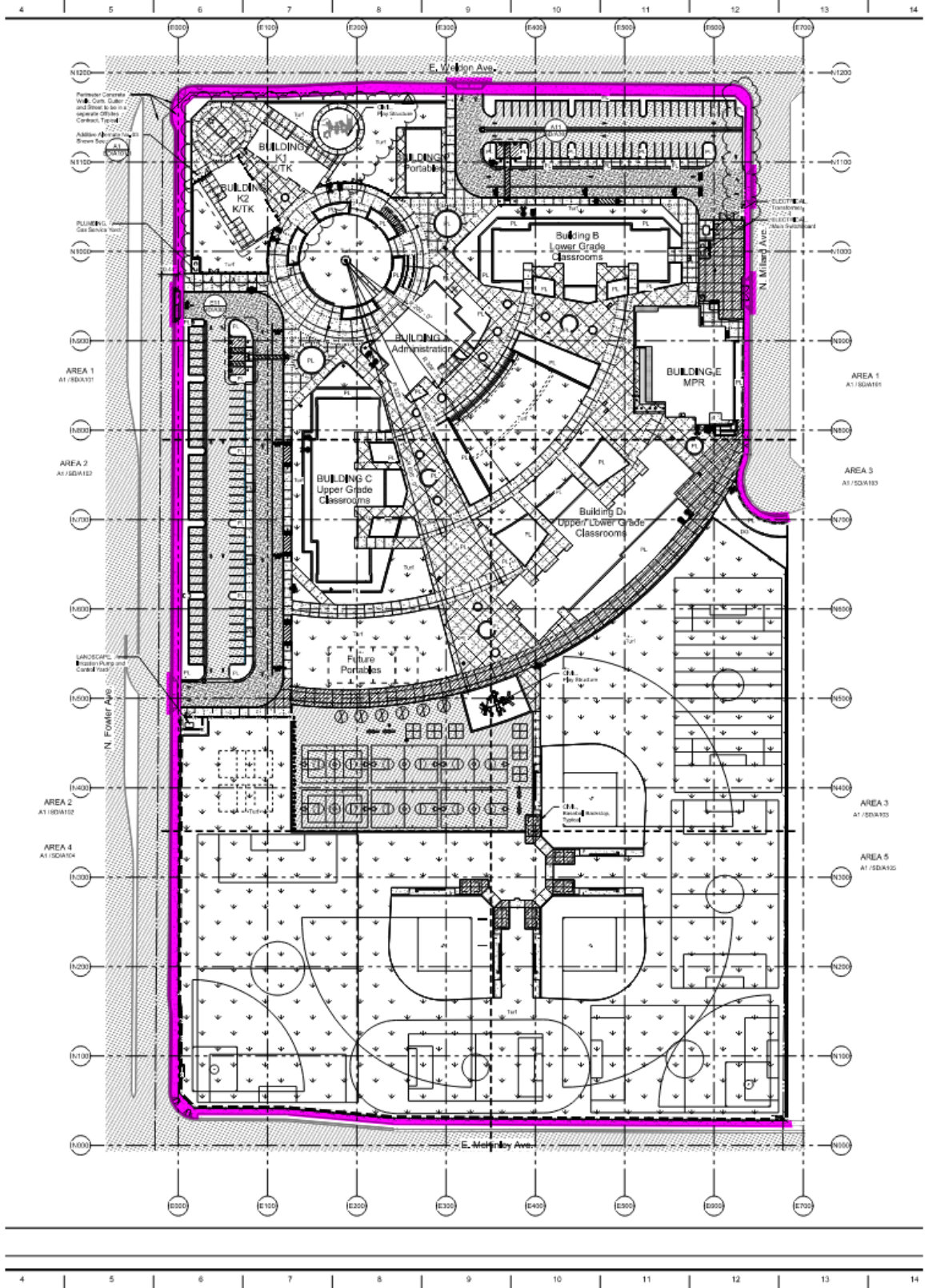
concrete at posts where indicated.

6. Furnish and install all asphalt paving and patch backs.
7. All parking areas are to be scheduled for two separate mobilizations, as the first 1 ½" lift will be placed, and the areas utilized for parking and staging during construction. At a later scheduled time in the project, this package will clean, prep, install tack, remobilize, and place the final finish section of the parking lots and entrance access points.
8. Furnish and install all slurry seal.
9. Furnish and install all play court striping as indicated in the contract documents.
10. Furnish and install pressure treated/redwood 2x4 header form at asphalt edge where unsupported unless noted otherwise.
11. Make provisions to obtain water for own work. Dust control, excavations, backfills, compactions, etc. There are fire hydrants on two sides of the project. Make necessary arrangements with the city of Fresno to acquire a meter and pay for own water usages until such time that the site water has been installed and approved for site usage.

SITE CONCRETE

1. Furnish and install all site concrete, including but not limited to, flatwork, curbs, curb and gutter, planter curbs, planter walls, gutters, valley gutters, mow strips, seat walls, all CMU footings (Site & Maintenance Yard), and amphitheater walls. **Clarification of scope limits of work boundaries. See attached sketch at the end of this section. (ADDENDA #2)**
2. Furnish and install all reinforcing as required for all site concrete per contract documents. Including but not limited to CMU footings, seat walls, fire lane, etc.
3. Furnish and install rebar caps per OSHA for all rebar associated with this contract's scope of work, installed by the reinforcement contractor. Furnish and install concrete stake caps associated with this contract's scope of work. Maintaining of Caps is the responsibility of this Prime Contractor. Safety walks at end of day required to ensure caps are in place, and any missing caps replaced.
4. Furnish any and all excavation necessary for work included in this contract.
5. Furnish and install all mow strips in site and around buildings, including at chain link, and ornamental fencing.
6. Furnish and install all sealants at all site concrete. This includes all sealant where site concrete abuts all buildings and structural concrete or CMU.
7. Furnish and install amphitheater steps, with reinforcing and stair nosing. (N1/SD/A302 & P11/SD/A302)
8. Install bollards (a.k.a. drinking fountain rails - furnished by others) in concrete footing. (J7/X/A531)
9. Furnish and install all parking and walkway accessible concrete ramps per contract documents.
10. Furnish and install all truncated domes.
11. Furnish and install all play access and play access perimeter curbs (B/SD/X107, C/SD/X107)
12. Install steel anchor plates, steel keeper plates and welded straps at thickened concrete walk at cane bolt locations. (N13/SD/A402) – Steel anchor plates, keeper plates and welded straps to be provided by fencing contractor F.O.B.
13. Install Flagpole in concrete base with reinforcing – see detail (A1/SD/A301)
14. Furnish and Install Concrete Monument Sign with reinforcing, V groove, chamfer, etc. Refer to details
15. Furnish and install footings and sleeves/inserts for volleyball, tetherball, and basketball posts.
16. Furnish and install footings and sleeves/inserts for bicycle racks and any hand railing. Rails and racks to be supplied by others. Note: Bike racks provided by this bid package, Bike Lockers are owner furnished, owner installed.
17. Furnish and install fibrous expansion joint, and sealant where required.
18. Install three sets of handrails at amphitheater.

19. Furnish and install concrete for all site housekeeping pads. Including but not limited to, transformer, and electrical pads. Coordinate dimensions and layout with Prime Contractors.
20. Furnish and install concrete for all irrigation equipment/devices. Including, but not limited to, backflow pad, and booster pump pad. Coordinate dimensions and layout with site plumber and site landscape Prime Contractors.
21. Physically layout and install all block outs, openings, backing, etc. from written layout provided by other Prime Contractors for installation of their work.
22. This contract is to provide temporary power for own work until such time as building temporary power is established.
23. Make provisions to obtain water for own work. Dust control, excavations, backfills, compactions, etc. There are fire hydrants on two sides of the project. Make necessary arrangements with the city of Fresno to acquire a meter and pay for own water usages until such time that the site water has been installed and approved for site usage.
24. Install steel angles, and vent grating at portables, as supplied by Struct Steel bid package. See P/a101
25. **CLARIFICATION: The perimeter sidewalks, including all drive access approaches are to be furnished and installed by the "Off-Site" bid package as highlighted site sketch below. Sidewalks will pour to the CMU, and chain link fence mow strip poured within this CES-01 bid package. (ADDENDA #2)**
26. Furnish and install removable bollards for vehicular access per plans. (ADDENDA #2)



FENCING

1. Furnish and install all chain link fences, gates, and hardware, including those embedded or attached to CMU. **Include new padlocks as noted in Addendum 2 site drawings. (ADDENDA #3)**
2. Furnish and install all backstop fencing including any horizontal backboards
3. Furnish and install all ornamental iron fence, gates, and hardware, including those embedded or attached to CMU.
4. Provide Steel Anchor Plate, Steel Welded Straps and Steel Keeper plate F.O.B. jobsite (N13/SD/A402) for placement with site concrete.
5. Make provisions to obtain water for own work. Dust control, excavations, backfills, compactions, etc. There are fire hydrants on two sides of the project. Make necessary arrangements with the city of Fresno to acquire a meter and pay for own water usages until such time that the site water has been installed and approved for site usage.

CONCRETE MASONRY UNIT (CMU)

1. Provide and install all CMU block walls as identified in contract documents.
2. Furnish and install all rebar associated and shown to be installed in CMU, with exception of the rebar which is to be installed with the CMU footings.
3. Provide and install all smooth dowels, or other reinforcement and expansion components associated with CMU installation.
4. Coordinate and confirm reinforcement layout in footings with concrete contractor.
5. Make provisions to obtain water for own work. Dust control, excavations, backfills, compactions, etc. There are fire hydrants on two sides of the project. Make necessary arrangements with the city of Fresno to acquire a meter and pay for own water usages until such time that the site water has been installed and approved for site usage.

PLAY EQUIPMENT AND SITE FURNISHINGS

1. Play Structures are Owner Furnished, Owner Supplied (Kindergarten Structure & Upper Grades Structure)
2. Bike lockers are Owner Furnished, Owner Supplied.
3. Provide and install all playfield and court equipment as shown in contract documents. Including, but not limited to; basketball backboards (single & double), volleyball posts, volleyball nets, tether balls and tetherball posts, dugout benches etc. Furnish all sleeves as required for proper installation of equipment.
4. Provide and install EPDM wearing surface and SBR Rubber over concrete at play structure basins.
5. Provide and install loose engineered wood fiber at play structure basins.
6. Furnish and install bicycle racks per contract documents (six total).
7. Furnish and install flagpole per detail A1/SD/A301.
8. Make provisions to obtain water for own work. Dust control, excavations, backfills, compactions, etc. There are fire hydrants on two sides of the project. Make necessary arrangements with the city of Fresno to acquire a meter and pay for own water usages until such time that the site water has been installed and approved for site usage.

9. Furnish and install all drainage fabric, felt, and drainage matrix material, to storm drain pipe stub, that will be coordinated and provided by the site utilities contractor. (ADDENDA #2)

FOB Items

Installation of FOB Items

Note: Coordinate all deliveries to jobsite with CM. Prime Contractor to Unload, inventory, store and notify CM of any deficiencies for all items delivered to the jobsite FOB.

1. Install all items embedded in concrete provided FOB Jobsite by other Prime Contractors from written layout provided by those Prime Contractors.
2. Install all bolt templates provided by other trades.
3. Install angle iron embeds at rolling gates.

End of Bid Package

CES-02 SITE UTILITIES PLUMBING: DOMESTIC, SANITARY, STORM, FIRE, & GAS (ADDENDA #2)

Furnish and install all work specifically required throughout the project documents to complete the work of this bid package that specifically includes, but is not limited to the following:

Specification Sections

Division 00

Division 01

Section 03 30 00 Cast in place Concrete (As applicable to storm, sewer, manholes, thrust blocks, etc.)

Section 21 05 23 General Duty Valves for Fire Protection

Section 21 05 53 Identification for Fire Protection

Section 21 11 00 Facility Fire Suppression Water Service Piping

Section 21 11 19 Fire Department Connections

Section 22 00 00 General Plumbing Provisions (Gas, Water, Fire Water, Storm, Sewer)

Section 22 00 50 Plumbing (Gas, Water, Fire Water, Storm, Sewer)

Section 23 01 00 General Mechanical Provisions (As Applicable)

Section 31 23 33 Trench Excavation and Backfill

~~Section 32 84 00 Landscape Irrigation System (For Backflow Preventor and installation) (ADDENDA #2)~~

Section 33 12 00 Water Utilities

Section 33 30 00 Site Sewer Systems

Section 33 40 00 Storm Drainage

Refer to additional related specifications sections for work specifically included in this bid package noted below.

General Items

1. See General Notes at the beginning of the Summary of Work Specification Section for other items to be included in this Bid Package.
2. Furnish and install all layout for own work from survey provided. Prime Contractor will be responsible for all additional layout not performed by the survey contractor. Prime Contractors are responsible for protection of all requested survey. Any needed re-staking of already provided points will be subject to deductive change order.
3. Provide all backfill of excavations to original sub-grade for work included in this bid package.
4. Obtain all permits required to perform the work specified in the bid package. CM will submit the Dust Control plan to the Air Board. Prime Contractor will be responsible for all other permits required to perform the work identified. Prime Contractor will be responsible for dust control for their own work.
5. Provide daily cleanup to keep site clean and orderly.
6. Protect identified improvements to remain on civil plan sheets.
7. Should the Prime Contractor damage and/or otherwise alter work installed under separate contracts, Prime Contractor shall be responsible for the correction/repair of work installed under separate contracts.
8. Prime Contractor is required to attend all coordination meetings as required by CM
9. Phasing is projected to be as shown on the Bid Schedule. However, the Construction Manager reserves the right to revise the schedule, as necessary.

10. Promptly submit written notice to CM of observed variance of Contract Documents from legal requirements.
 - a. Appropriate modifications to Contract Documents will adjust necessary changes.
 - b. Assume responsibility for work known to be contrary to such requirements and without written notice to Architect of observed variance.
11. Provide material, equipment, mobilizations, and manpower to meet Construction Schedule provided in Contract Documents.
12. Each bid package is responsible for dewatering as it pertains to their scope of work.
13. Provide trenching plan and permits for excavations over 5' per OSHA requirements to the Construction Manager.
14. Each Prime Contractor is to provide all equipment and manpower as necessary to offload all materials required to complete their respective scope of work.
15. Monthly pay apps will not be approved if as-builts are not updated monthly.
16. Furnish clean up daily and off-haul of all debris generated by this contract. Prime Contractor must abide by the Waste Management specification. This includes, but is not limited to, providing recycling tags for each haul off removed from the project site.
17. Provide daily cleanup to keep site clean and orderly.
18. There will be one wash out area as designated by CM. Bid package will be responsible for removal from the site of all construction debris generated by Prime Contractor's work. Extra spoils to be stockpiled at the direction of CM.
19. All construction equipment shall meet the requirements of the SJVAPCD ISR Report (Air Impact Assessment- AIA) under the Construction Fleet Summary. This shall include reporting requirements as defined within the Monitoring and Reporting Schedule within the ISR for this project.
20. This contract is to provide temporary power for own work until such time as building temporary power is established.

Coordination with Other Trades

1. Provide coordination drawings for underground work related to this bid package. Coordinate all drawings (Plumbing, Electrical, site, Off Site, and Landscape) with the drawings of this bid package. Note conflicts and provide potential solutions to the architect for review. Coordination must occur prior to excavation and/or installation of the work. Attend all coordination meetings required to coordinate all underground.
2. Coordinate routing of underground utilities miss foundations.
3. Coordinate alignment of all utilities between plumbing and civil drawings prior to excavation.
4. All underground utilities (Gas/DCW/Fire) are to be a minimum of 3' below finish grade.
5. ~~Coordinate the installation of the backflow preventer shown in the Landscape drawings, identified on L/403, L/306, and specifications, as supplied and installed under this, Site Plumbing bid package, for alignment and further connections to the booster pump to be installed by the Irrigation Prime Contractor. (ADDENDA #2)~~

Furnish and Install Items

1. Furnish and install all site utilities and fixtures complete. Water, Fire, Sewer, Storm.
2. Make provisions to obtain water for own work. Dust control, excavations, backfills, compactions, etc. There are fire hydrants on two sides of the project. Make necessary arrangements with the city of Fresno to acquire a meter and pay for own water usages until such time that the site water has been installed and approved for site usage.

3. Provide all backfill of excavations to original subgrade for work included in this bid package.
4. Stockpile extra spoils from excavations in location to be determined by CM
5. Furnish and install all attachment of all equipment related to this scope of work.
6. Furnish and install all excavation for own work.
7. Furnish and install all concrete required for installation of thrust blocks, manholes, vaults, boxes, underground structures, mow strips and collars for work related to this bid package.
8. Furnish and install asphalt patch back related to own work as required.
9. Adjust all utility boxes to finish grade.
10. Clean and disinfect all site piping required for this project to subsequent point of connection.
11. Furnish and install all piping required to accommodate new work.
12. Furnish, install, and maintain traffic control for work included in this package.
13. Furnish and install all site fire water, sewer systems, storm systems, domestic water & gas.
- 14. Furnish and install all dry wells, drainage, water and drinking fountains. Clarification: see G/SD/X102 from Addendum 2 drawings for dry well at ball fields. (ADDENDA #3)**
15. Furnish and install all site trench drains and piping (If shown)
16. Furnish and install all site Fire, all fire line piping, and stub in to building per plans to above finished floor with a capped flanged fitting, as the POC for the fire sprinkler contractor. Furnish and install all site check valves, Christy vaults, PIV's, FDC's, Hydrants, Backflow Preventors, and Bollards per plans at fire equipment per plans. **CLARIFICATION: See note # 6 on site plans, and J7/SD/A302 (ADDENDA #3)**
17. Furnish and install all site domestic water complete, ~~including all from POC at~~ back flow preventors, check valves, SOV's, etc. to within 5' of buildings. **(ADDENDA #2)**
18. F&I complete storm to within 5'.
19. F&I complete gas to within 5' of where pressure regulators are shown for each building.
- ~~20. Furnish and install all offsite connections to water, sewer, storm, and gas, including water and backflow preventor for irrigation. Extend irrigation pipe 5' beyond back flow. See Detail 25/SD/L403. (ADDENDA #2)~~

FOB Items

1. None

Installation of FOB Items

Note: Coordinate all deliveries to jobsite with CM. Prime Contractor to Unload, inventory, store and notify CM of any deficiencies for all items delivered to the jobsite FOB.

1. Not Applicable.

End of Bid package

CES-03 SITE ELECTRICAL & LOW VOLTAGE (ADDENDA #2)

Furnish and install all work specifically required throughout the project documents to complete the work of this bid package that specifically includes, but is not limited to the following:

Specification Sections

Refer to additional related specifications sections for work specifically included in this bid package noted below.

Division 00

Division 01

Section 03 15 14 Drilled Anchors

Section 03 30 00 Cast in place Concrete (As applicable to slurry, and light pole bases, and grouting)

Section 26 05 00 Common Work Results for Electrical

Section 26 05 26 Grounding

Section 26 05 53 Electrical Identification

Section 26 20 00 Low Voltage Electrical Transmission

Section 27 00 00 Telecommunication Systems

Section 27 05 28 Communications Infrastructure System

Section 27 10 00 Structured Cabling System

General Items

1. See General Notes at the beginning of the Summary of Work Specification Section for other items to be included in this Bid Package.
2. Furnish and install all layout for own work from survey provided. Prime Contractor will be responsible for all additional layout not performed by the survey contractor. Prime Contractors are responsible for protection of all requested survey. Any needed re-staking of already provided points will be subject to deductive change order.
3. Provide all backfill of excavations to original sub-grade for work included in this bid package.
4. Obtain all permits required to perform the work specified in the bid package. CM will submit the Dust Control plan to the Air Board. Prime Contractor will be responsible for all other permits required to perform the work identified. Prime Contractor will be responsible for dust control for their own work.
5. Provide daily cleanup to keep site clean and orderly.
6. Protect identified improvements to remain on civil plan sheets.
7. Should the Prime Contractor damage and/or otherwise alter work installed under separate contracts, Prime Contractor shall be responsible for the correction/repair of work installed under separate contracts.
8. Prime Contractor is required to attend all coordination meetings as required by CM
9. Phasing is projected to be as shown on the Bid Schedule. However, the Construction Manager reserves the right to revise the schedule, as necessary.
10. Promptly submit written notice to CM of observed variance of Contract Documents from legal requirements.
 - a. Appropriate modifications to Contract Documents will adjust necessary changes.
 - b. Assume responsibility for work known to be contrary to such requirements and without written notice to Architect of observed variance.
11. Provide material, equipment, mobilizations, and manpower to meet Construction Schedule provided in Contract Documents.

12. Each bid package is responsible for dewatering as it pertains to their scope of work.
13. Provide trenching plan and permits for excavations over 5' per OSHA requirements to the Construction Manager.
14. Each Prime Contractor is to provide all equipment and manpower as necessary to offload all materials required to complete their respective scope of work.
15. Monthly pay apps will not be approved if as-builts are not updated monthly.
16. Furnish clean up daily and off-haul of all debris generated by this contract. Prime Contractor must abide by the Waste Management specification. This includes, but is not limited to, providing recycling tags for each haul off removed from the project site.
17. Provide daily cleanup to keep site clean and orderly.
18. There will be one wash out area as designated by CM. Bid package will be responsible for removal from the site of all construction debris generated by Prime Contractor's work. Extra spoils to be stockpiled at the direction of CM.
19. All construction equipment shall meet the requirements of the SJVAPCD ISR Report (Air Impact Assessment- AIA) under the Construction Fleet Summary. This shall include reporting requirements as defined within the Monitoring and Reporting Schedule within the ISR for this project.
20. This contract is to provide temporary power for own work until such time as building temporary power is established.

Coordination with Other Trades

1. Provide coordination drawings for underground work for work related to this bid package. Coordination must occur prior to excavation and/or installation of the work. Attend all coordination meetings required to coordinate all underground.
2. Coordinate all work to provide access to buildings for other trades as scheduled. Provide an underground utility schedule of where and when piping operations will be performed.
3. Coordinate location of UG utilities to be out of angle of repose of foundations.
4. Poured in place housekeeping and equipment pads to be supplied by concrete team. Precast housekeeping and equipment pads to be supplied and installed by this package
5. Review as-builts and pothole existing utilities prior to starting work.
6. Verify continuity of electrical and low voltage conduits for work in this contract.
- ~~7. This contract will provide all PG&E electrical requirements as outlined in the off-site connection to/for PG&E Rule 16, rule 20 drawings. This Prime Contractor will run all conduits, proof, and mandrel all conduits for the new PG&E feeders from the POC, to the transformer, then to the Switchgear. (ADDENDA #2)~~
- ~~8. Coordinate all meetings with PG&E, obtain permits, and provide all services required to facilitate and install the main power distribution on to the site. (ADDENDA #2)~~
9. Provide shop drawings for equipment layout in electrical rooms & yards to confirm that dimensions are adequate prior to rough in and pouring of footings and curbs.
- ~~10. Provide short circuit study as applicable to the installation of the main switchgear and transformer. (ADDENDA #2)~~
11. Coordinate all underground utilities to miss foundation.
- ~~12. Coordinate with PG&E, ATT, and Comcast for service requirements to the site. (ADDENDA #2)~~
13. Provide Safe off of all electrical equipment as required for trade work.
14. Provide an underground utility schedule of where and when piping operations will be Installed.

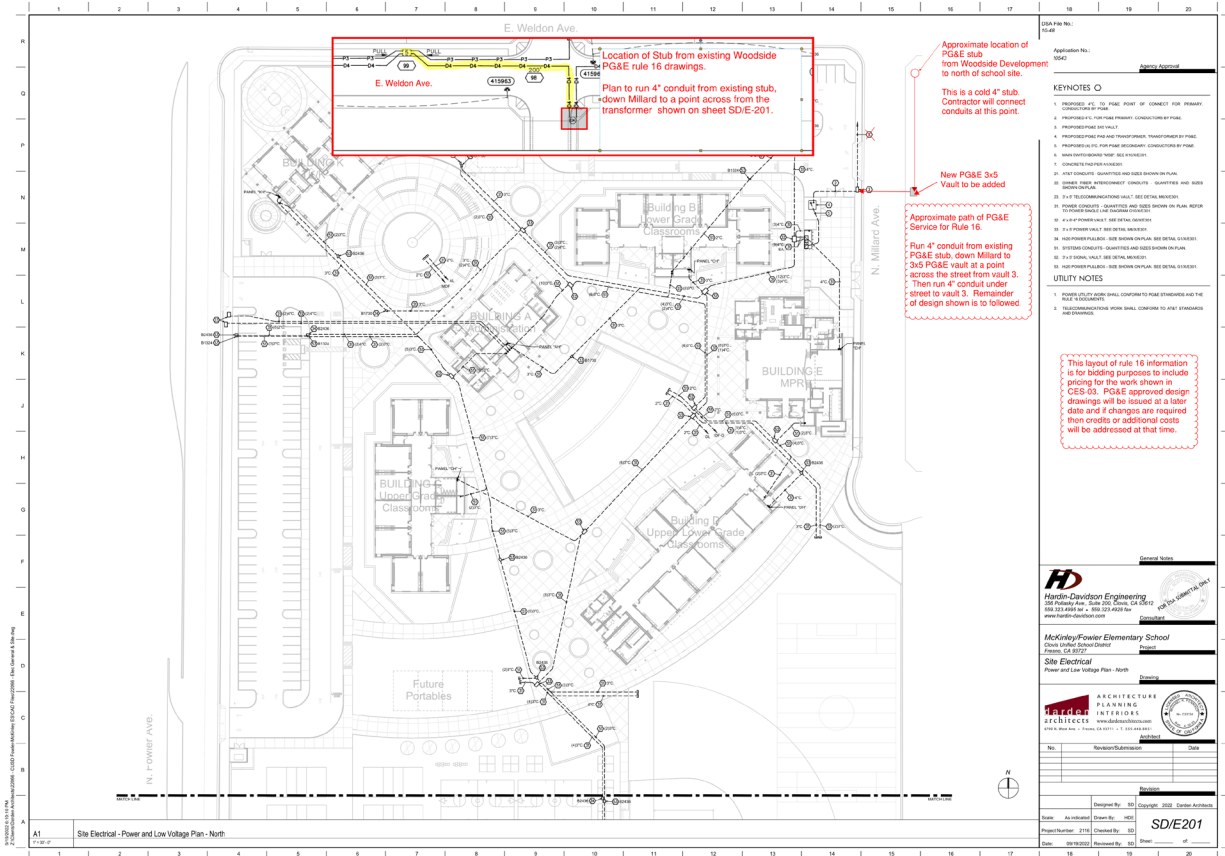
Furnish and Install Items

1. Furnish and install all site utilities conduit and infrastructure complete for all Power, Data, Fire Alarm, Security, Irrigation line voltage (pumps/time clocks), and EMS. **See SD/M101 from Addendum 2 for EMS site conduit clarification. (ADDENDA #3).** All conduits are to be brought to within 10' of the buildings. All stopping points are to be flagged, swing tied if possible, and recorded on the As-Builts for Increment 2 continuation. Conduits are to stop within 5' of pumps and time clocks if specific layout cannot be determined during the time of installation., and 5' for fire sprinkler components where alarm is required. **CLARIFICATION: This includes power conduit for "Coach control switches", as described in the Landscape plans. Building electrical contractor will provide and install the housing, wiring, receptacle. (ADDENDA #2)**
2. Site lighting conduit is to stop approximately 5' from the flagpole, all light pole bases, and first light of radiused (T-2's) at the concrete monument wall.
3. Make provisions to obtain water for own work. Dust control, excavations, backfills, compactions, etc. There are fire hydrants on two sides of the project. Make necessary arrangements with the city of Fresno to acquire a meter and pay for own water usages until such time that the site water has been installed and approved for site usage.
4. Furnish and install physical layouts for all deepened foundations at utilities prior to excavation.
5. All excavation spoils to be deposited at one location on site as determined by CM.
6. Furnish and install all sleeves for work passing through masonry and concrete work. Coordinate with respective bid packages.
7. Provide all backfill of excavations to original subgrade for work included in this bid package.
8. Furnish and install fire stopping and fire caulking of own penetrations for own work.
9. Furnish and install pull strings/rope in all empty or future conduits.
10. Furnish and install all concrete required for installation of vaults, boxes, underground structures for work related to this bid package.
11. Furnish and install all site conduit required for Owner furnished equipment hook up as required.
12. Furnish and install all rough-in for all equipment of other bid packages as required by the related specification sections and drawings. Connect and or stub as described.
13. Furnish and install all conduit and sleeves for future low voltage and telecommunications wiring. Install fire stopping as required.
14. Furnish and install all attachment of all equipment related to this scope of work.
15. Furnish and install all supports and bracing required for electrical work.
16. Furnish and install all identification and lettering called for in the contract documents related to the work of this bid package.
17. Adjust all electrical and low voltage boxes in new landscape and concrete areas as needed.
18. Furnish and install all physical layout for your own work.
19. Furnish and install all site conduits, including vaults and boxes for all electrical and low voltage systems.
20. Provide all power/Breaker testing for own work.
21. Chase and prove all electrical site pathways as required to complete work.
22. Furnish and install electrical equipment, ~~switchgear~~, conduit, pre cast pads required for the utility provider (Rule 16 and similar for site power connections). **Switchgear will be Owner Furnished, Contractor Installed. (ADDENDA #2)**
23. Furnish and install all site rough-in conduit for all equipment of other trade as required by the related specification sections and drawings. Connect and or stub as described.

24. Furnish and install all site lighting conduits including vaults / boxes. Bring all conduits to within 5' of light pole locations and buildings. Cap and flag each end, (swing tie if possible) for subsequent connection by the building electrical contractor. Coordinate the location of the conduit at the building end to the point of entry established by the building electrician.
25. Furnish and install disconnects and associated supports as applicable to increment 1.
26. Furnish and install sealant system as required to provide watertight condition at devices mounted on masonry units.
27. Furnish and install PG&E, ATT, and Comcast conduit / ~~wiring~~ for onsite as shown on the drawings. **(ADDENDA #2)**
28. Furnish and install all colored concrete cap over all required duct banks.
29. Furnish and install conduits for all landscape equipment such as controllers, pumps, etc. as required by the landscape drawings.
30. Furnish and install all backfill of excavations to original subgrade for work included in this contract.
31. Provide Dust Control for own work.
32. This contract will adhere to guidelines for all work per the requirements of the Dust Control Plan and SWPPP Plan.
33. All construction equipment shall meet the requirements of the SJVAPCD ISR Report (Air Impact Assessment- AIA) under the Construction Fleet Summary. This shall include reporting requirements as defined within the Monitoring and Reporting Schedule within the ISR for this Project.
- ~~34. Furnish and install all work relating to all PG&E rule drawings, off site plans and equipment complete. Electrical Prime Contractor to pull cable for PG&E work, however final connections to be made by PG&E. **(ADDENDA #2)**~~
35. Electrical Prime Contractor responsible for any and all patch back and finishing for any trenching made in roadways, for work performed under this bid package.
36. All excavation spoils to be deposited at one location on site as determined by CM.
37. Furnish and install all sleeves for work passing through masonry and concrete work. Coordinate with respective bid packages.
38. Provide all backfill of excavations to original subgrade for work included in this bid package.
39. Furnish and install drilling of holes for work performed in this bid package.
40. Furnish and install pull strings/rope in all empty or future conduits.
41. Furnish and install all concrete required for installation of vaults, boxes, underground structures for work related to this bid package.
42. Furnish and install all conduit and sleeves for future low voltage and telecommunications wiring. Install fire stopping as required.
43. Furnish and install all attachment of all equipment related to this scope of work.
44. Furnish and install all identification and lettering called for in the contract documents related to the work of this bid package.
45. Furnish and install all physical layout for your own work. Same as 18
- ~~46. Chase and prove all electrical off-site pathways as required to complete work. **(ADDENDA #2)**~~
- ~~47. Furnish and install disconnects and associated supports. **(ADDENDA #2)**~~
- ~~48. Furnish and install PG&E, ATT, Comcast, and Vast conduit / wiring for onsite and off site as shown on the drawings. **(ADDENDA #2)**~~
49. This contract shall be responsible for holes at metal deck for installation of hanger wires for own work.

For Rule 16, and associated PG&E work. (ADDENDA #2)

1. This contract will provide all PG&E electrical requirements as outlined for connection to/for PG&E Rule 16 work in conjunction with the project drawings. This Prime Contractor will run all conduits, proof, and mandrel all conduits for the new PG&E feeders from the POC shown in the attached marked up site plan for reference, then to the transformer, then to the Switchgear. (ADDENDA #2)
2. Coordinate all meetings with PG&E, obtain permits, and provide all services required to facilitate and install the main power distribution on to the site. (ADDENDA #2)
3. Furnish and install all work relating to PG&E rule drawings, off-site plans of existing conduit pathway, to connect to new conduit and vault on site, and leading to the switchgear. (ADDENDA #2)
4. Furnish and install all excavations, and patch back to road crossing. CLARIFICATION: Millard street is not currently paved, nor have the sidewalks been installed on either side. The curbs and gutters are already installed. If damaged during installation, these repairs would also be included in this package responsibility. (ADDENDA #2)



FOB Items

Installation of FOB Items

Note: Coordinate all deliveries to jobsite with CM. Prime Contractor to Unload, inventory, store and notify CM of any deficiencies for all items delivered to the jobsite FOB.

End of Bid package

CES-04 LANDSCAPE

Furnish and install all work specifically required throughout the project documents to complete the work of this bid package that specifically includes, but is not limited to the following:

Specification Sections

Division 00

Division 01

Section 03 15 14 Drilled Anchors

Section 32 84 00 Landscape Irrigation System

Section 32 90 00 Landscape Construction

Refer to additional related specifications sections for work specifically included in this bid package noted below.

General Items

1. See General Notes at the beginning of the Summary of Work Specification Section for other items to be included in this Bid Package.
2. Furnish and install all layout for own work from survey provided. Prime Contractor will be responsible for all additional layout not performed by the survey contractor. Prime Contractors are responsible for protection of all requested survey. Any needed re-staking of already provided points will be subject to deductive change order.
3. Provide all backfill of excavations to original sub-grade for work included in this bid package.
4. Obtain all permits required to perform the work specified in the bid package. CM will submit the Dust Control plan to the Air Board. Prime Contractor will be responsible for all other permits required to perform the work identified. Prime Contractor will be responsible for dust control for their own work.
5. Provide daily cleanup to keep site clean and orderly.
6. Protect identified improvements to remain on civil plan sheets.
7. Should the Prime Contractor damage and/or otherwise alter work installed under separate contracts, Prime Contractor shall be responsible for the correction/repair of work installed under separate contracts.
8. Prime Contractor is required to attend all coordination meetings as required by CM
9. Phasing is projected to be as shown on the Bid Schedule. However, the Construction Manager reserves the right to revise the schedule, as necessary.
10. Promptly submit written notice to CM of observed variance of Contract Documents from legal requirements.
 - a. Appropriate modifications to Contract Documents will adjust necessary changes.
 - b. Assume responsibility for work known to be contrary to such requirements and without written notice to Architect of observed variance.
11. Provide material, equipment, mobilizations, and manpower to meet Construction Schedule provided in Contract Documents.
12. Each bid package is responsible for dewatering as it pertains to their scope of work.
13. Provide trenching plan and permits for excavations over 5' per OSHA requirements to the Construction Manager.
14. Each Prime Contractor is to provide all equipment and manpower as necessary to offload all materials required to complete their respective scope of work.
15. Monthly pay apps will not be approved if as-builts are not updated monthly.

16. Furnish clean up daily and off-haul of all debris generated by this contract. Prime Contractor must abide by the Waste Management specification. This includes, but is not limited to, providing recycling tags for each haul off removed from the project site.
17. Provide daily cleanup to keep site clean and orderly.
18. There will be one wash out area as designated by CM. Bid package will be responsible for removal from the site of all construction debris generated by Prime Contractor's work. Extra spoils to be stockpiled at the direction of CM.
19. All construction equipment shall meet the requirements of the SJVAPCD ISR Report (Air Impact Assessment- AIA) under the Construction Fleet Summary. This shall include reporting requirements as defined within the Monitoring and Reporting Schedule within the ISR for this project.
20. This contract is to provide temporary power for own work until such time as building temporary power is established.

Coordination with Other Trades

1. Coordinate sleeve installations with site concrete.
2. Coordinate pump location, house pad, layout and elevation with electrical, plumbing, and concrete packages.
3. Coordinate all valve boxes, quick connects, with concrete, planters, and elevations.

Furnish and Install Items

1. Furnish and install all irrigation and landscaping complete. Connect to existing power, wiring and controls where required at existing landscape areas.
2. Make provisions to obtain water for own work. Dust control, excavations, backfills, compactions, etc. There are fire hydrants on two sides of the project. Make necessary arrangements with the city of Fresno to acquire a meter and pay for own water usages until such time that the site water has been installed and approved for site usage.
3. Provide and install new irrigation, controls, wiring, pumps, pre manufactured concrete pads, etc. for own work. Main power supply and connection to pumps or equipment (Line voltage), will be supplied by the electrical Prime Contractor.
4. Furnish and install all thrust blocks for own work.
5. Furnish and install grading and top soil.
6. Provide water test of turf and planter areas prior to planting to confirm proper drainage and coverage.
7. Furnish and install all irrigation sleeves.
8. Furnish and install backfill all planters.
9. Furnish and install all fine grading of planter areas prior to planting.
10. Furnish and install all irrigation pipe system from POC at main backflow preventor, installed by the site plumbing Prime Contractor per spec.
11. Furnish and install irrigation pump(s), controls, secondary backflow preventer if applicable, valves, etc. associated with the irrigation system, complete ready for electrical connection where applicable.
12. Furnish and install all new irrigation and drip irrigation complete.

13. Furnish and install all new planter dressings, bark, mulches, and all landscape materials.
CLARIFICATION: This Landscape package will be responsible to supply and install all materials as noted within the landscape plans, including screened infield top soil materials, DG, sod, Stolens, Mulches, etc. unless specifically noted otherwise. (ADDENDA #2)
- ~~14. Furnish and install all specialty play bark at play structure yards. (ADDENDA #2)~~
15. Furnish and install all baseball bases and pitching blocks per plans.
16. Furnish and provide weed control and clean up of grasses/weeds for the project site, and associated off site locations for the duration of the project, until such time that the district takes possession and acceptance of the new facility.
17. **This Landscape contractor is responsible for all the final elevations of Turf, infields, including pitchers mounds, DG, planters, tree wells, and mulches. Coordinate subgrades with Earthwork Contractor, as they will be responsible for the subgrades. (ADDENDA #2)**
18. **Furnish and install all coaches boxes/switches as shown in the Landscape plans, including valves, conduit, control wiring and connections. Coordinate locations with the Site electrical contractor for AC power conduit. Building electrical contractor to install wiring, housing for controller, and receptacle. (ADDENDA #2)**

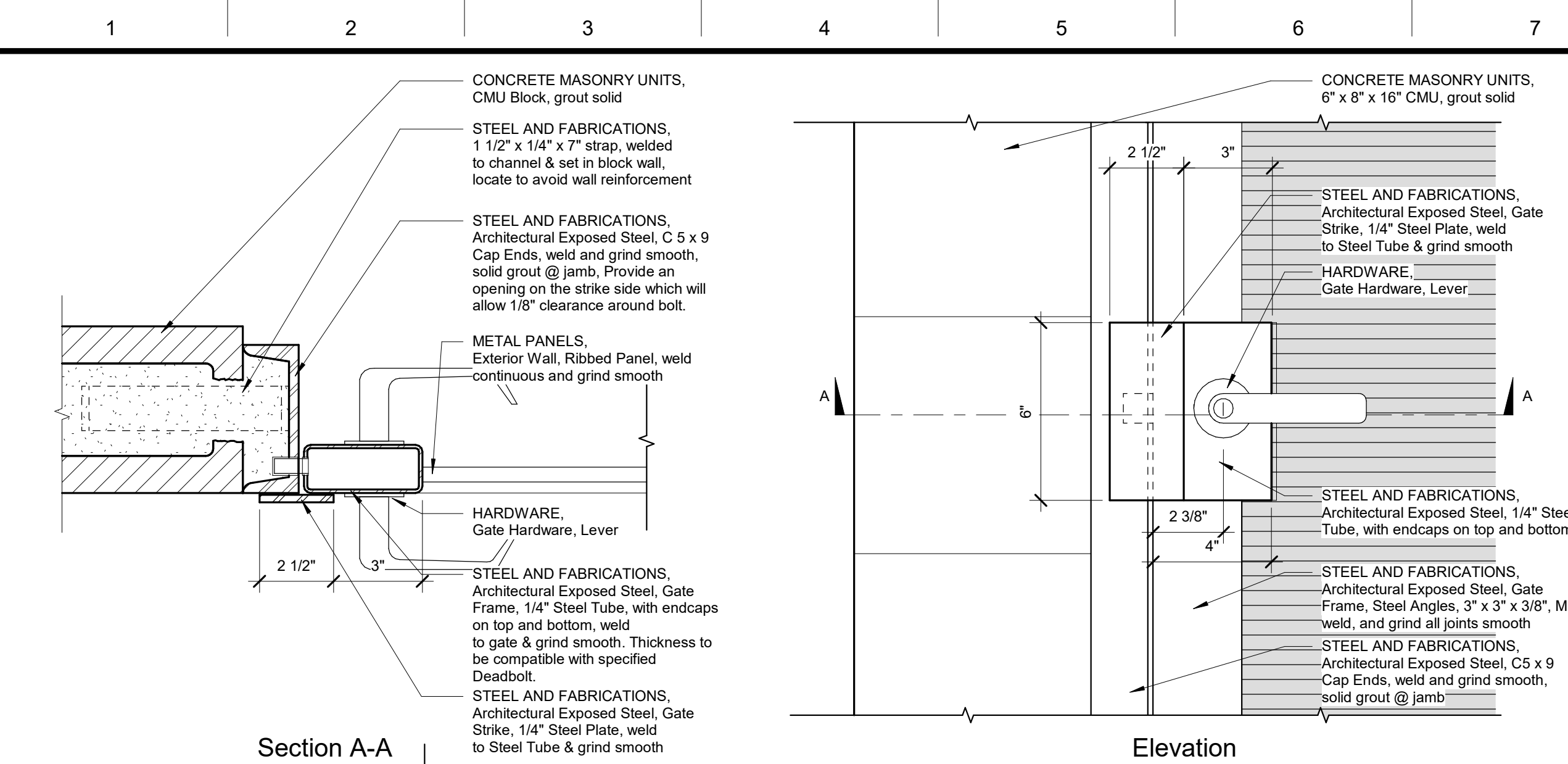
FOB Items

1. Provide remote controllers and extra materials to the district through close out procedures with CM Construction Management process

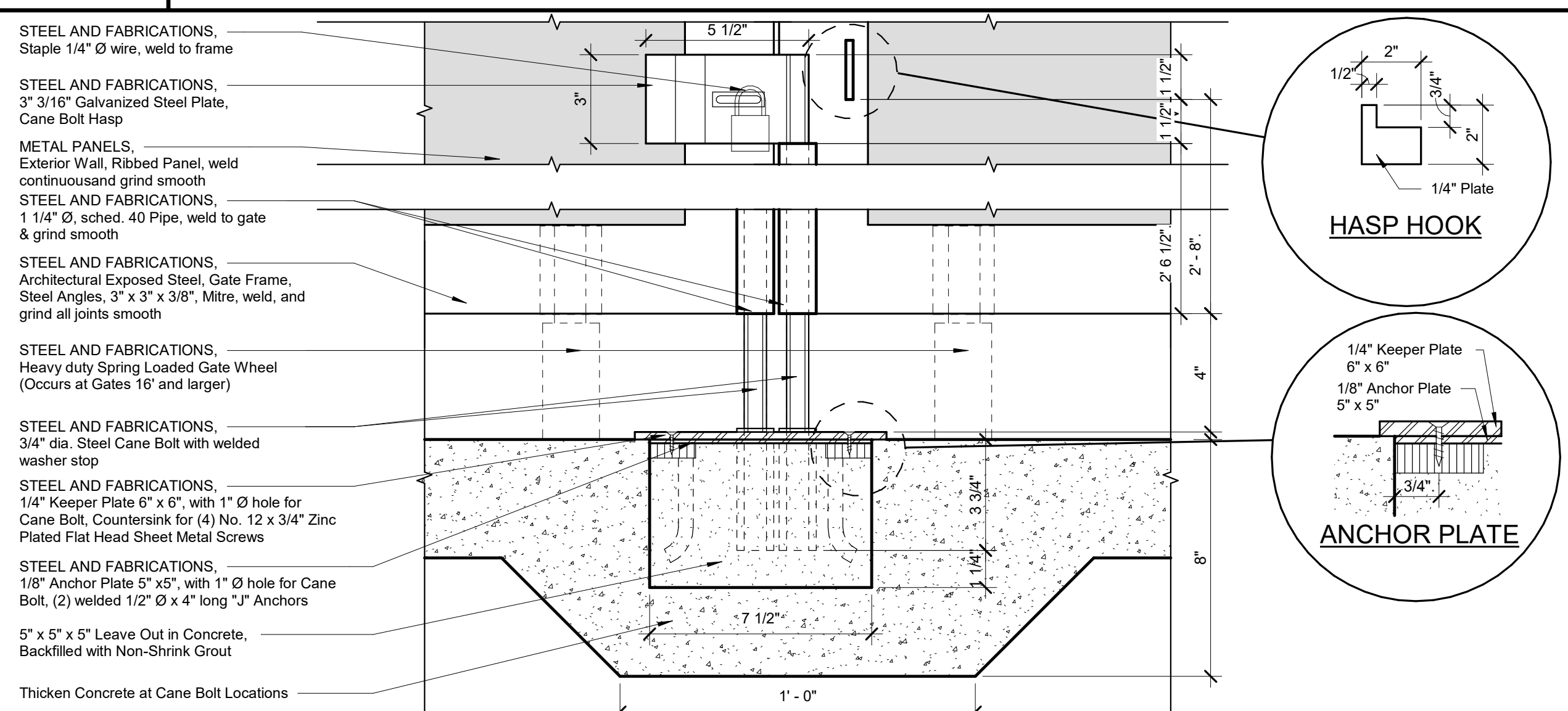
Installation of FOB Items

Note: Coordinate all deliveries to jobsite with CM. Prime Contractor to Unload, inventory, store and notify CM of any deficiencies for all items delivered to the jobsite FOB.

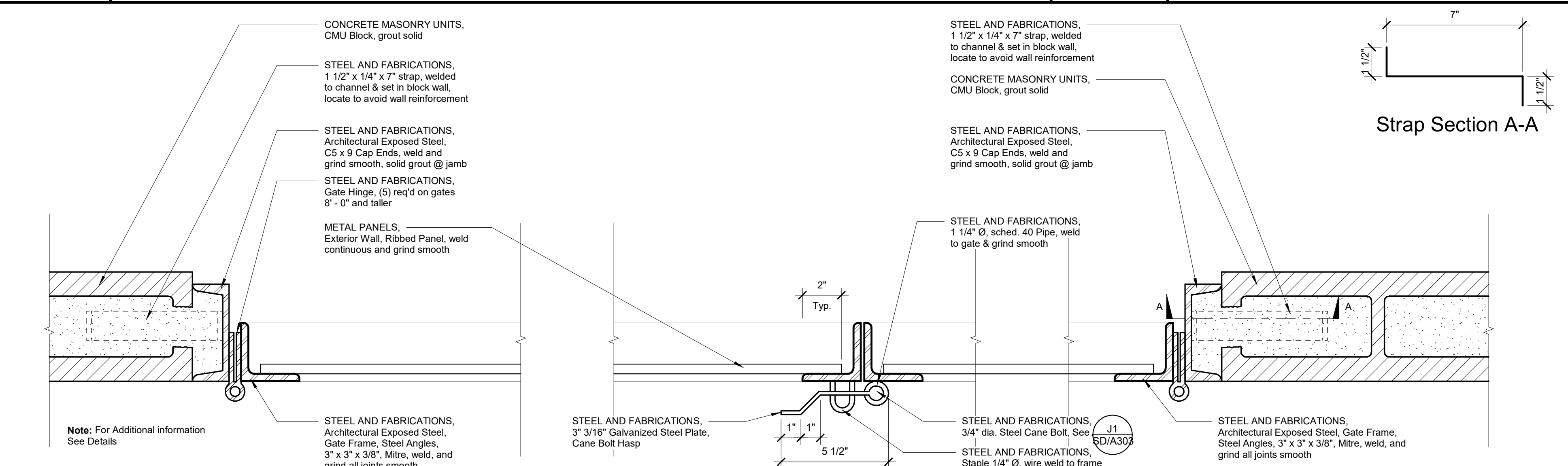
End of Bid package



N1 STEEL AND FABRICATIONS, Typical Single Steel Gate, Deadbolt
3" = 1'-0"



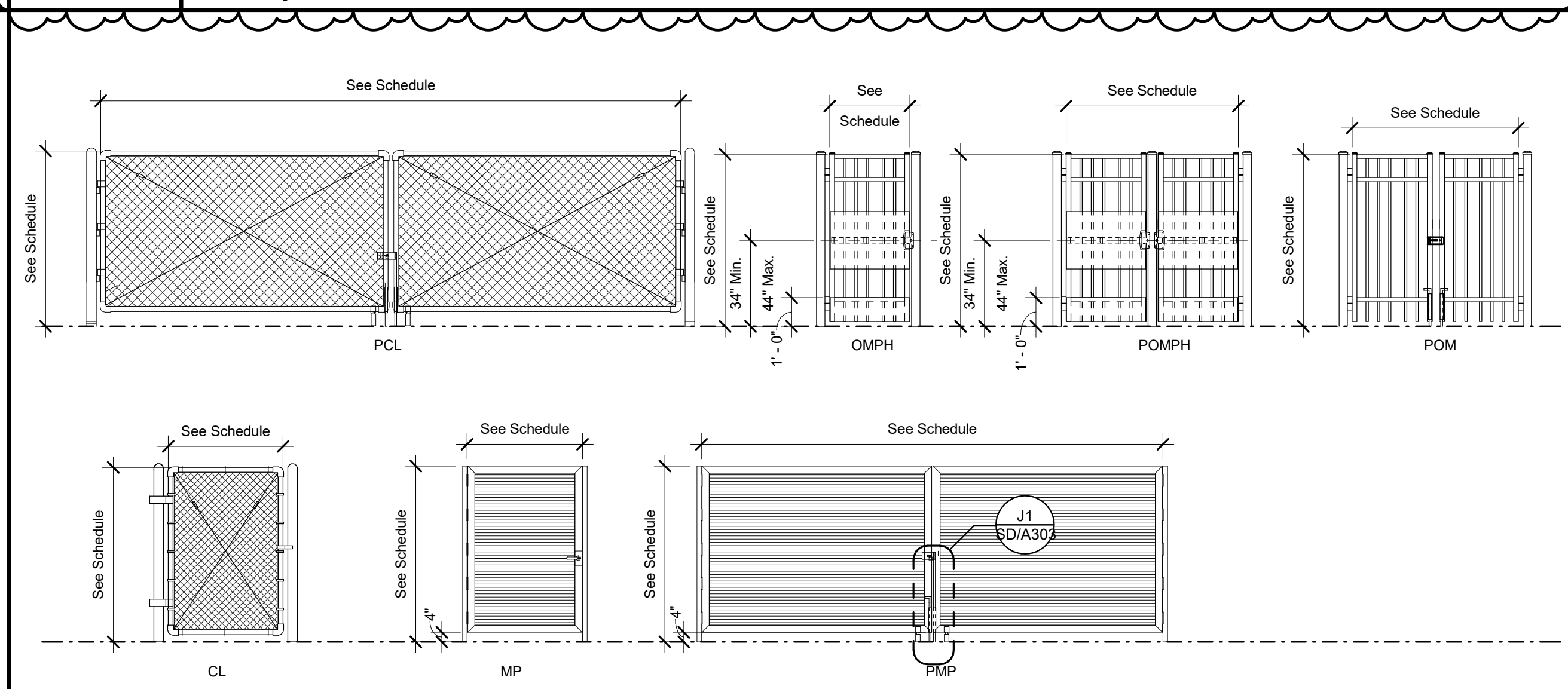
J1 STEEL AND FABRICATIONS, Steel Gate Latch and Cane Bolt
3" = 1'-0"



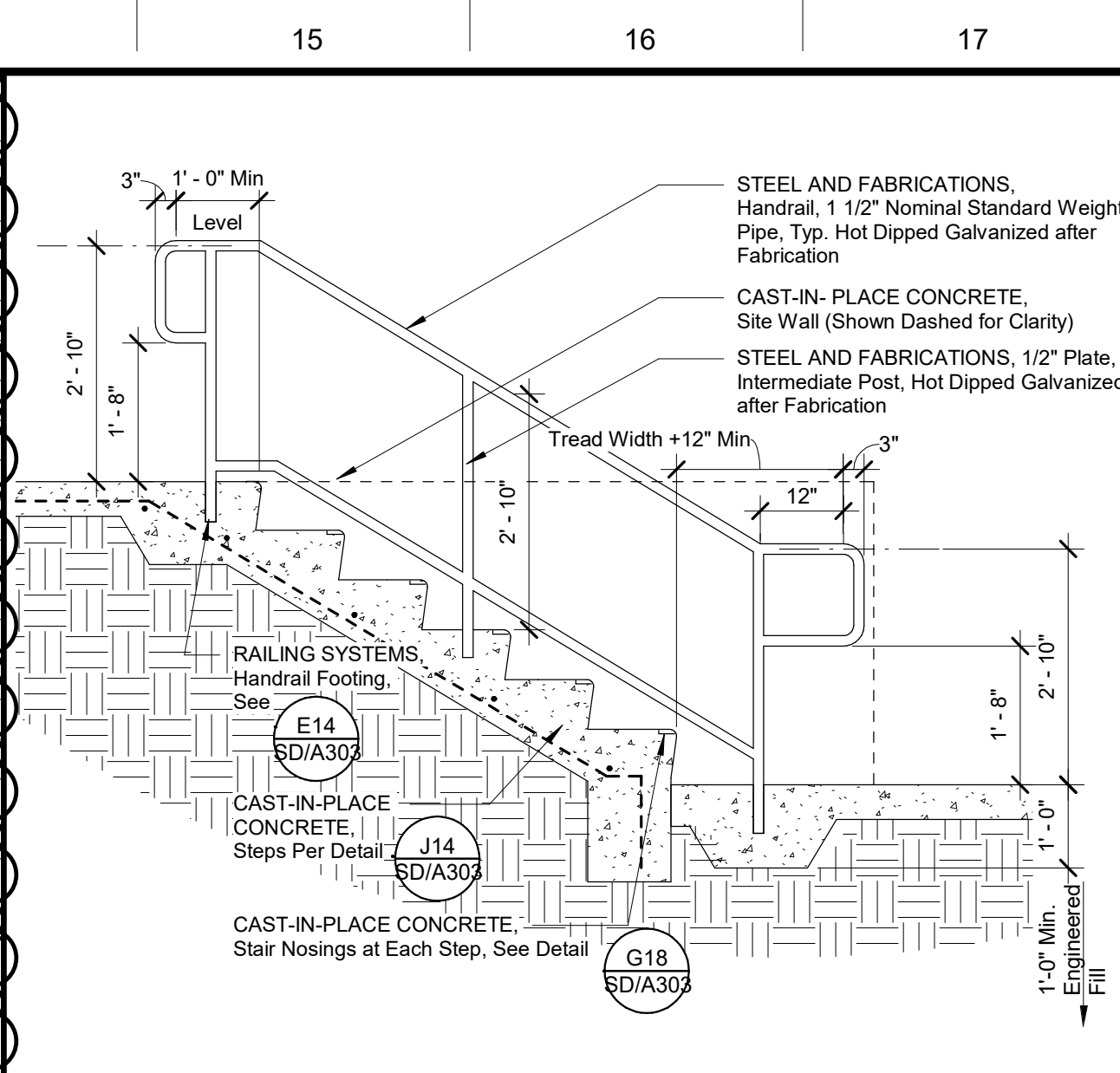
E1 STEEL AND FABRICATIONS, Typical Double Steel Gate
3" = 1'-0"

Opening Schedule Site Gate										
Door No.	Frame Type	Size	Door Material	Door Type	Hardware Group	Comments				
SG1	OM	10' - 4"	6' - 0"	Ornamental Metal	POM	Padlock	Refer to Detail J1-SD/A401			
SG2	OM	4' - 0"	6' - 0"	Ornamental Metal	OMPH	982G	Refer to Detail J7-SD/A401			
SG3	OM	10' - 4"	6' - 0"	Ornamental Metal	POM	Padlock	Refer to Detail J1-SD/A401			
SG4	OM	7' - 4"	6' - 0"	Ornamental Metal	POMPH	982G	Refer to Detail J7-SD/A401			
SG5	OM	4' - 0"	6' - 0"	Ornamental Metal	OMPH	Padlock	Refer to Detail E1-SD/A401			
SG6	STL	16' - 0"	8' - 0"	Steel Framing	PMP	Padlock	Refer to Detail E1-SD/A303			
SG7	STL	12' - 0"	8' - 0"	Steel Framing	PMP	Padlock	Refer to Detail E1-SD/A303			
SG8	STL	16' - 0"	8' - 0"	Steel Framing	PMP	Padlock	Refer to Detail E1-SD/A303			
SG9	STL	4' - 0"	8' - 0"	Steel Framing	MP	80G	Refer to Details N1-SD/A303 & E1-SD/A303 (Similar)			
SG10	CL	20' - 0"	6' - 0"	Chainlink	PCL	21G & Padlock	Refer to Detail N4-SD402			
SG11	CL	10' - 0"	6' - 0"	Chainlink	PCL	Padlock	Refer to Detail N4-SD402			
SG12	OM	4' - 0"	6' - 0"	Ornamental Metal	OMPH	98G	Refer to Detail J7-SD/A401			
SG13	CL	4' - 0"	6' - 0"	Chainlink	CL	Padlock	Refer to Detail N4-SD402			
SG14	CL	4' - 0"	6' - 0"	Chainlink	CL	Padlock	Refer to Detail N4-SD402			
SG15	CL	4' - 0"	6' - 0"	Chainlink	CL	Padlock	Refer to Detail N4-SD402			
SG16	OM	9' - 0"	6' - 0"	Ornamental Metal	POMPH	98G	Refer to Detail J7-SD/A401			
SG17	STL	12' - 0"	8' - 0"	Steel Framing	PMP	Padlock	Refer to Detail E1-SD/A303			

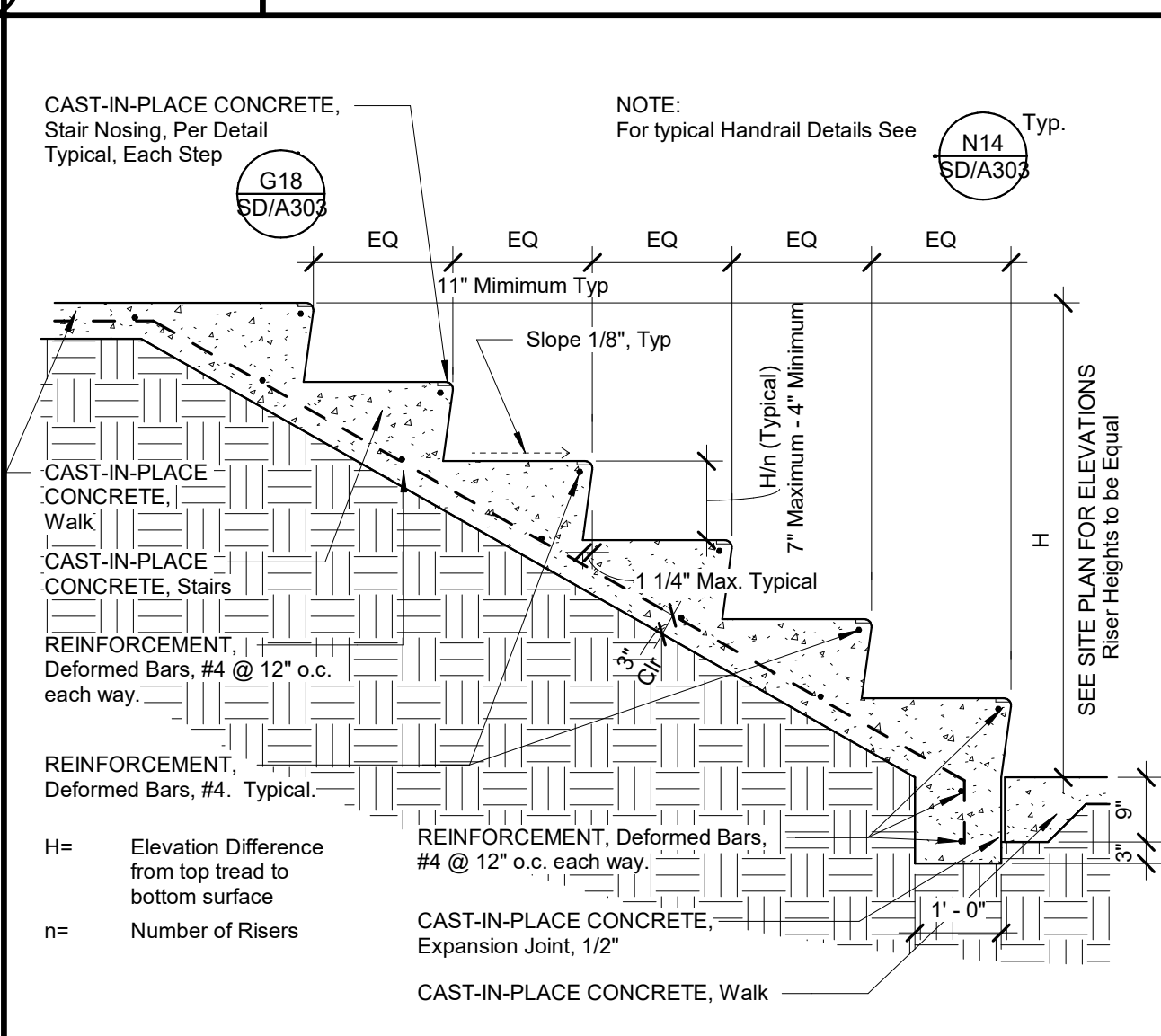
N7 Site Gate Schedule
N.T.S. See L18 for Legend



J7 Gate Types
1/4" = 1'-0"



N14 STEEL AND FABRICATIONS, Handrail Detail at Steps
1/2" = 1'-0"



J14 CAST-IN-PLACE CONCRETE, Typical Section At Steps
1/2" = 1'-0"

DSA File No.: 10-48
DSA Application No.: 02-120543

ABBREVIATIONS

OM - Ornamental Metal Gate	AC - Acoustical
SG - Steel Gate	SS - Stainless Steel
SW - Service Window	CL - Chain Link
STL - Steel	WD - Wood
AL - Aluminum	CD - COILING DOORS
SF - Storefront	GALV - Galvanized Finish
HM - Hollow Metal	S&F - Steel and Fabrications
SG - Site Gate	SG - Site Gate
SPF - Steel Post Fence	RO - Rough Opening

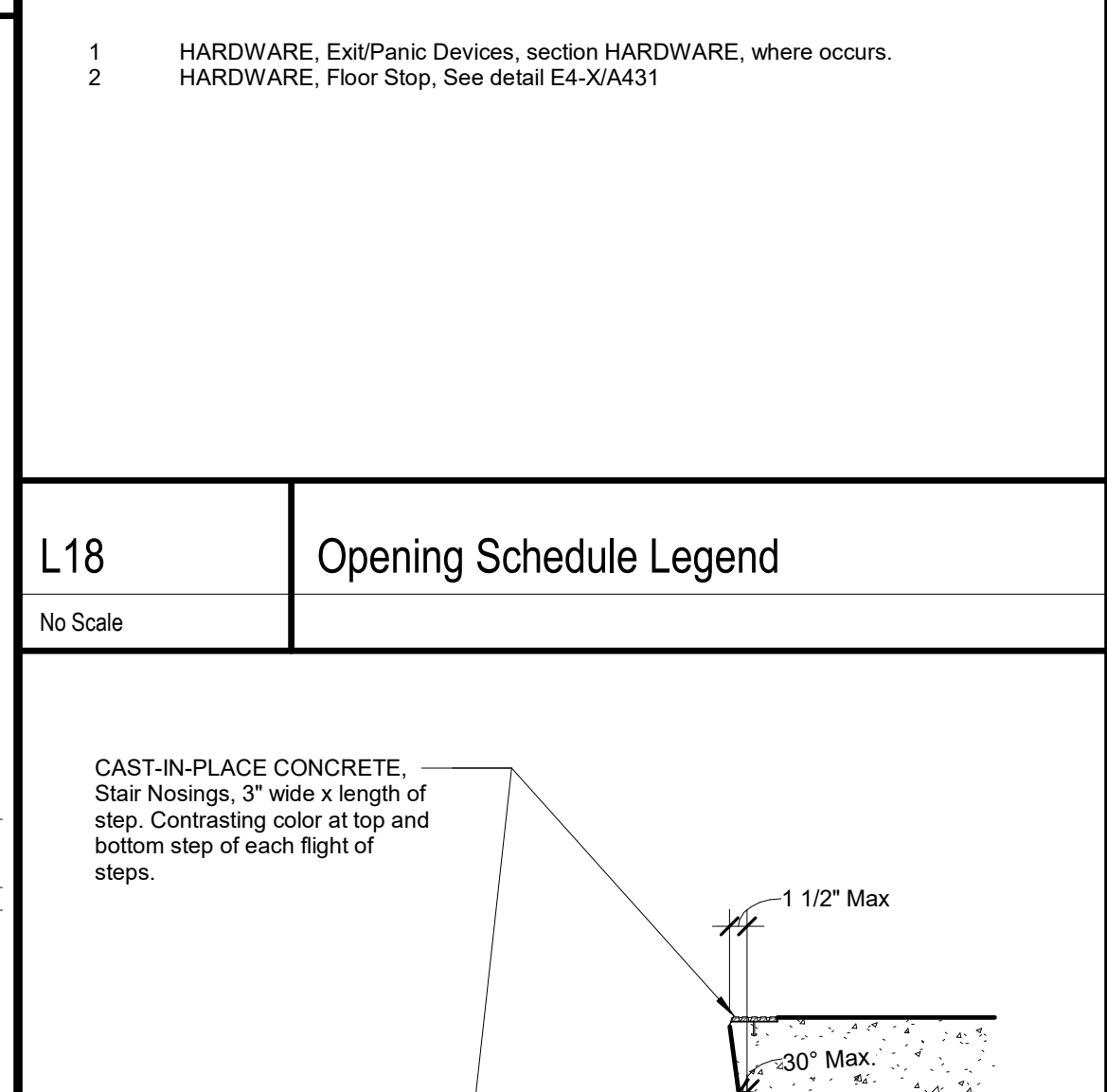
GENERAL NOTES

- This schedule is provided for the convenience of the General Contractor. Dimensions indicated are nominal dimensions.
- The General Contractor is responsible for all coordination and review of drawings and verifying all field conditions and dimensions prior to fabrication. Not all detail references are included in the schedule.
- All details, materials and finishes shall be considered typical for all similar conditions unless noted otherwise.
- Gate Types are shown on sheet SD/A401 & SD/A402
- Exit Gates shall be operable from inside without the use of a key or any special knowledge or effort

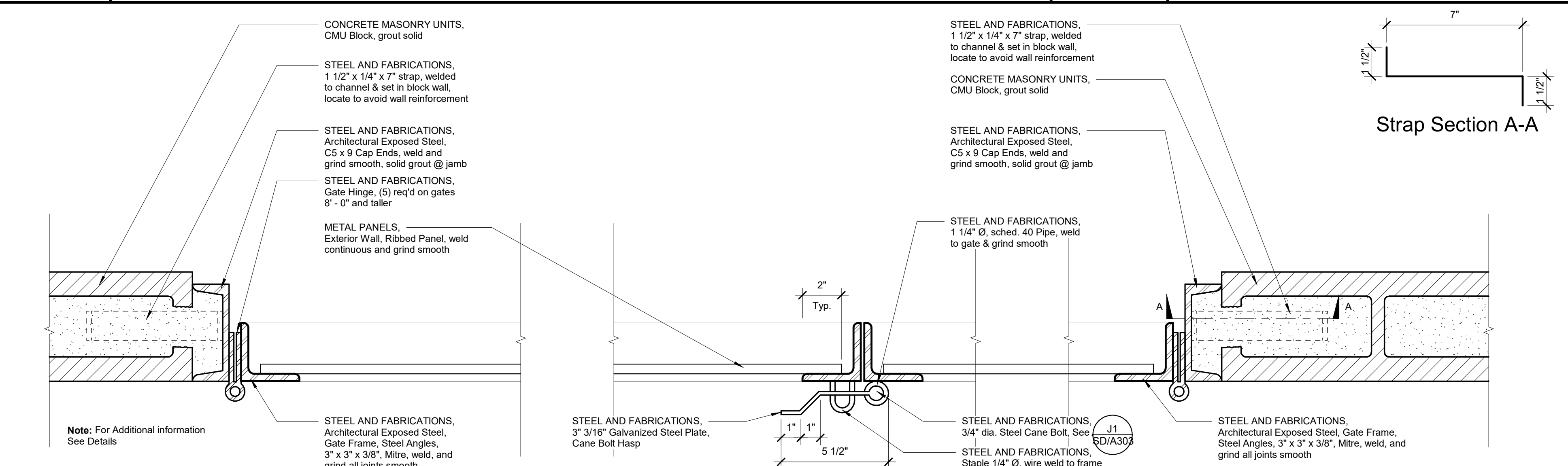
OPENING SCHEDULE COMMENTS

- HARDWARE: Exit/panic Devices, section HARDWARE, where occurs.
- HARDWARE: Floor Stop, See detail E4-XXA31

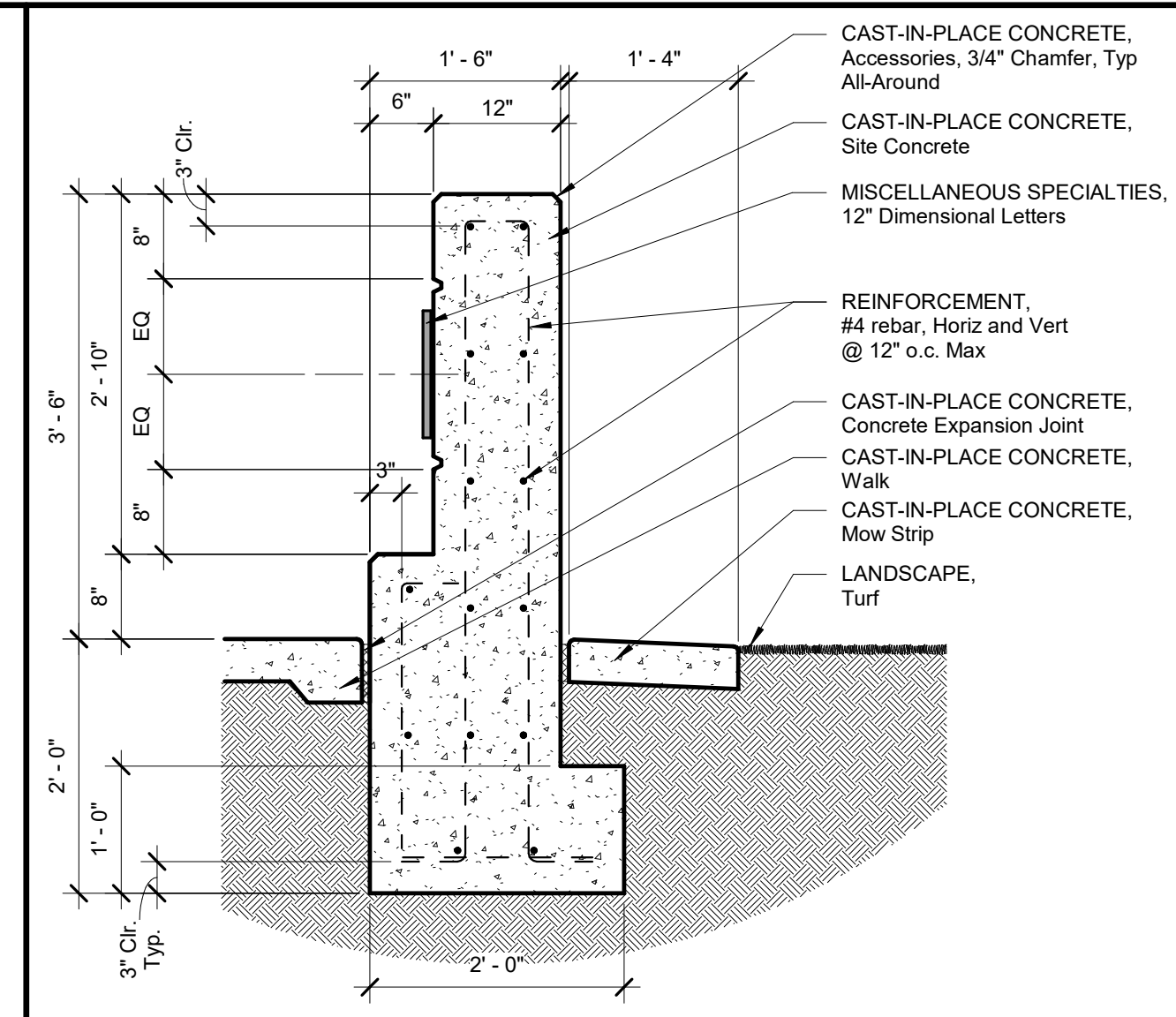
L18 Opening Schedule Legend
No Scale



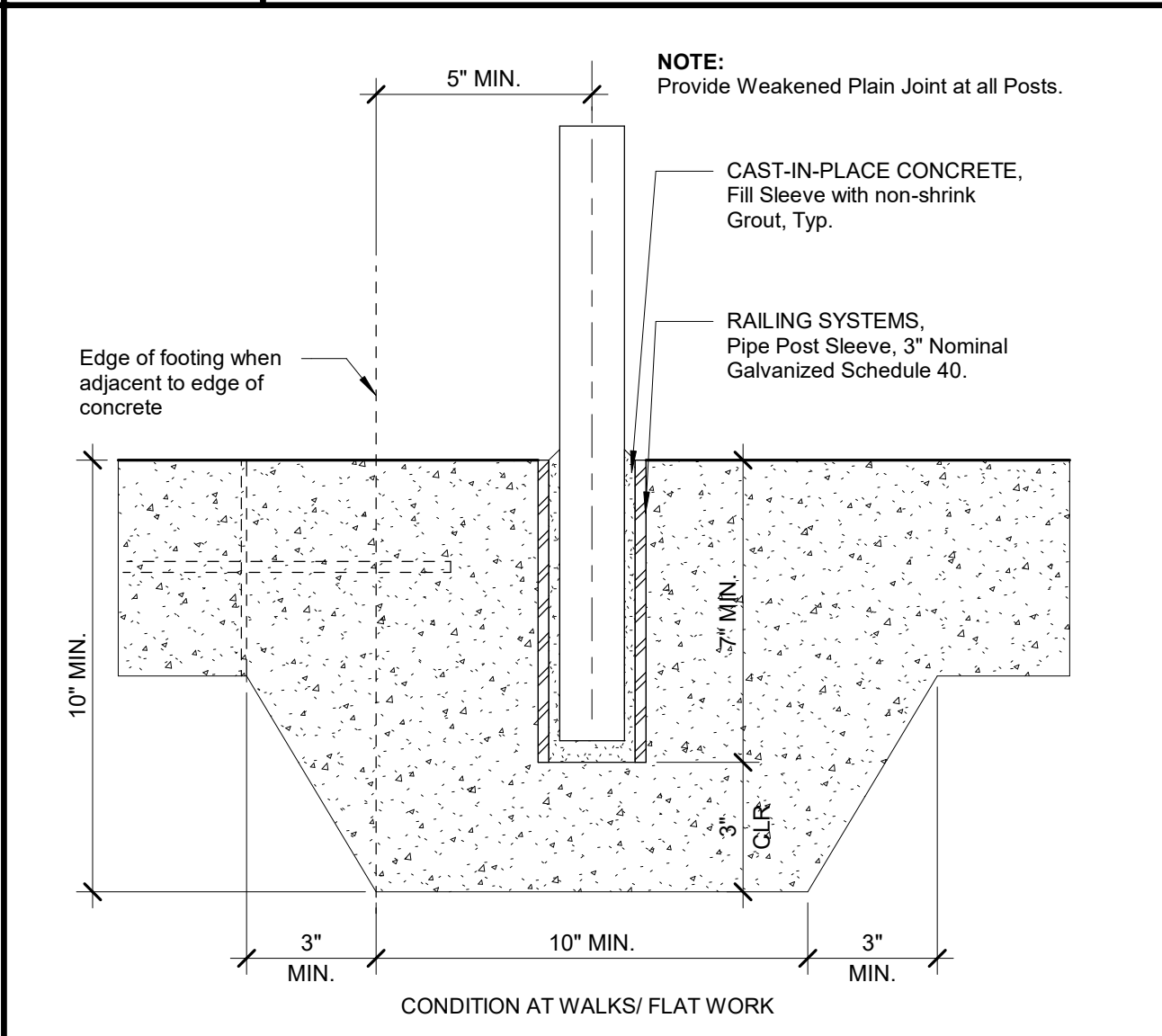
G18 CAST-IN-PLACE CONCRETE, Step Nosing
1 1/2" = 1'-0"



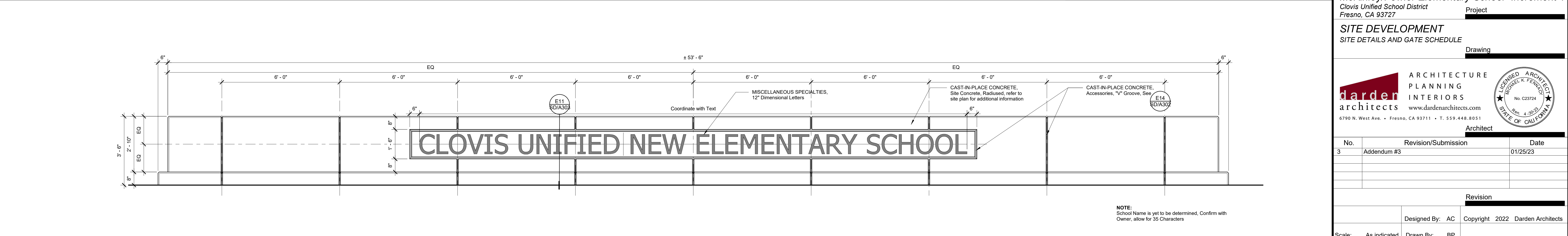
E1 STEEL AND FABRICATIONS, Typical Double Steel Gate
3" = 1'-0"



E11 CAST-IN-PLACE CONCRETE, Monument Section
3/4" = 1'-0"



E14 STEEL AND FABRICATIONS, Handrail Footing
3" = 1'-0"



A1 CAST-IN-PLACE CONCRETE, Monument Sign Elevation
1/2" = 1'-0"

McKinley/Fowler Elementary School- Increment 1
Clovis Unified School District
Fresno, CA 93727 Project

SITE DEVELOPMENT
SITE DETAILS AND GATE SCHEDULE
Drawing

ARCHITECTURE
darden PLANNING INTERIORS architects
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
Architect

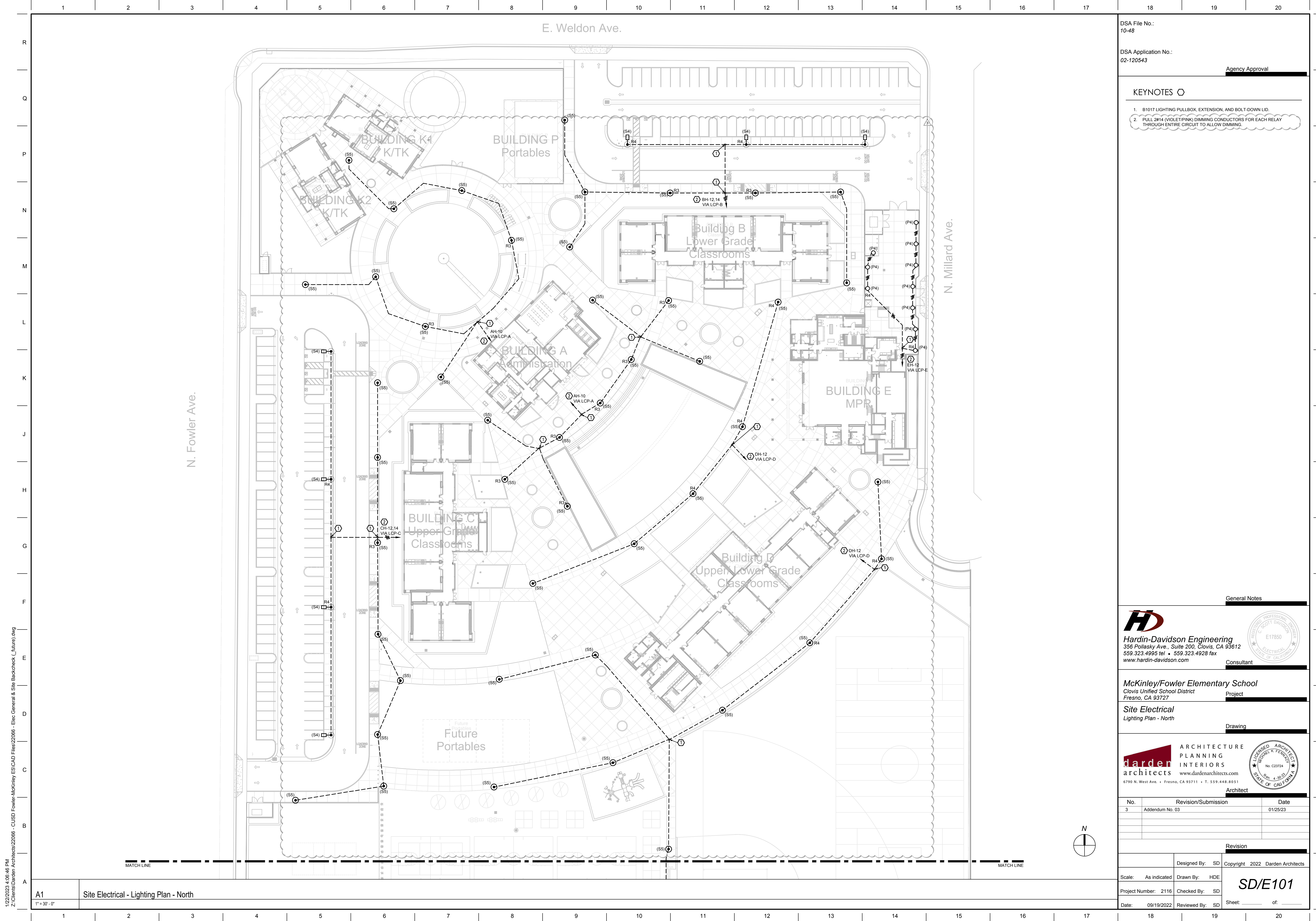
REVISION

No.	Revision/Submission	Date
3	Addendum #3	01/25/23

Designed By: AC Copyright 2022 Darden Architects
Scale: As indicated Drawn By: BP
Project Number: 2116 Checked By: AC
Date: 12/12/22 Reviewed By: MF

SD/A303

1/25/2023 3:12:08 PM D:\Revit\Schools\CUSD\2116-New ES 352116_CUSD ES 35 Increment 1_Bidding_V18.rvt



DSA File No.: 10-48
 DSA Application No.: 02-120543
 Agency Approval

- KEYNOTES**
- B1017 LIGHTING PULLBOX, EXTENSION, AND BOLT-DOWN LID.
 - PULL 2#14 (VIOLET/PINK) DIMMING CONDUCTORS FOR EACH RELAY THROUGH ENTIRE CIRCUIT TO ALLOW DIMMING.

General Notes

HD
 Hardin-Davidson Engineering
 356 Pollasky Ave., Suite 200, Clovis, CA 93612
 559.323.4955 tel • 559.323.4928 fax
 www.hardin-davidson.com
 Consultant

McKinley/Fowler Elementary School
 Clovis Unified School District
 Fresno, CA 93727
 Project

Site Electrical
 Lighting Plan - North
 Drawing

darden architects ARCHITECTURE PLANNING INTERIORS
 www.dardenarchitects.com
 6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
 Architect

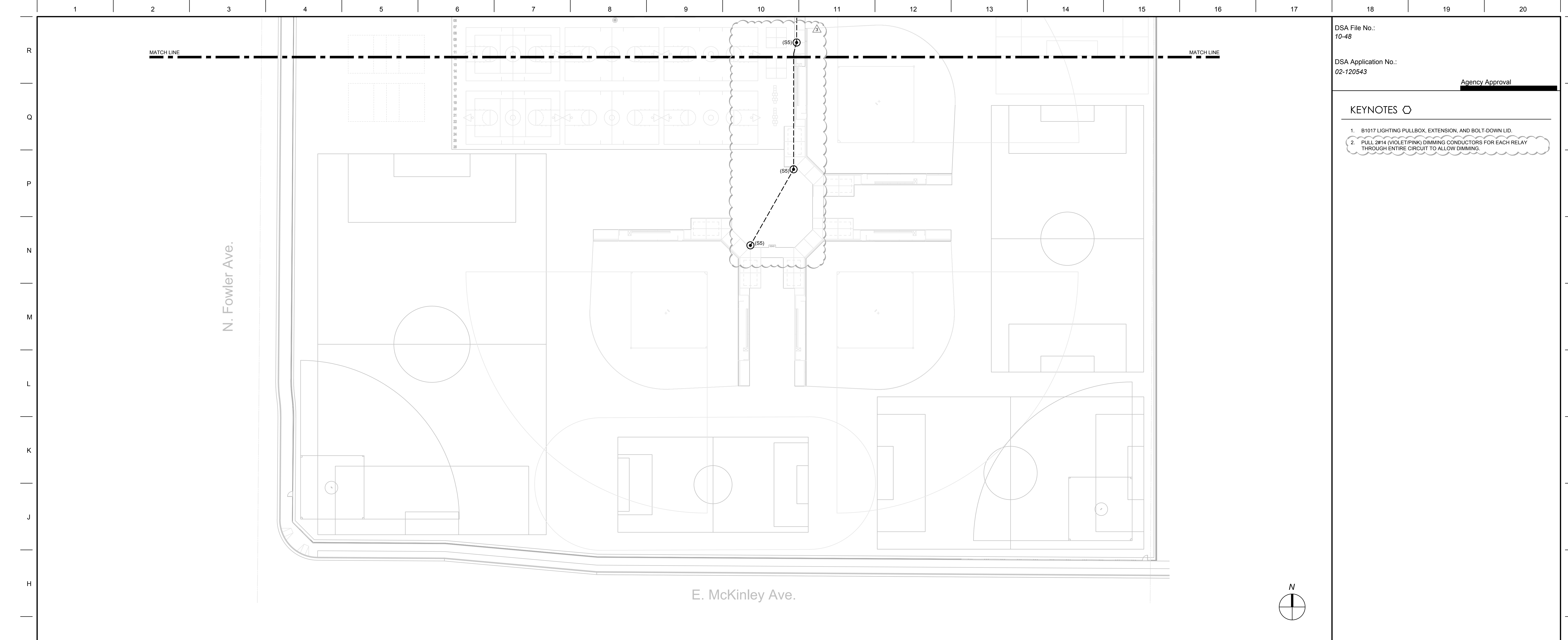
No.	Revision/Submission	Date
3	Addendum No. 03	01/25/23

Revision	
Designed By:	SD Copyright 2022 Darden Architects
Scale:	As indicated Drawn By: HDE
Project Number:	2116 Checked By: SD
Date:	09/19/2022 Reviewed By: SD

SD/E101

1/22/2023 4:06:46 PM Z:\Clients\Garden Architects\22066 - CUSD Fowler-McKinley\ES\CAD Files\22066 - Elec General & Site Backcheck (Future).dwg

A1 Site Electrical - Lighting Plan - North
 1" = 30' - 0"



DSA File No.:
10-48

DSA Application No.:
02-120543

Agency Approval

- KEYNOTES** ○
1. B1017 LIGHTING PULLBOX, EXTENSION, AND BOLT-DOWN LID.
 2. PULL 2#14 (VIOLET/PINK) DIMMING CONDUCTORS FOR EACH RELAY THROUGH ENTIRE CIRCUIT TO ALLOW DIMMING.

G1 Site Electrical - Lighting Plan - South
1" = 30'-0"

General Notes

Hardin-Davidson Engineering
356 Pollasky Ave., Suite 200, Clovis, CA 93612
559.323.4995 tel • 559.323.4928 fax
www.hardin-davidson.com

Consultant

McKinley/Fowler Elementary School
Clovis Unified School District
Fresno, CA 93727

Project

Site Electrical
Lighting Plan - South

Drawing

darden architects ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

Architect

No.	Revision/Submission	Date
3	Addendum No. 03	01/25/23

Revision

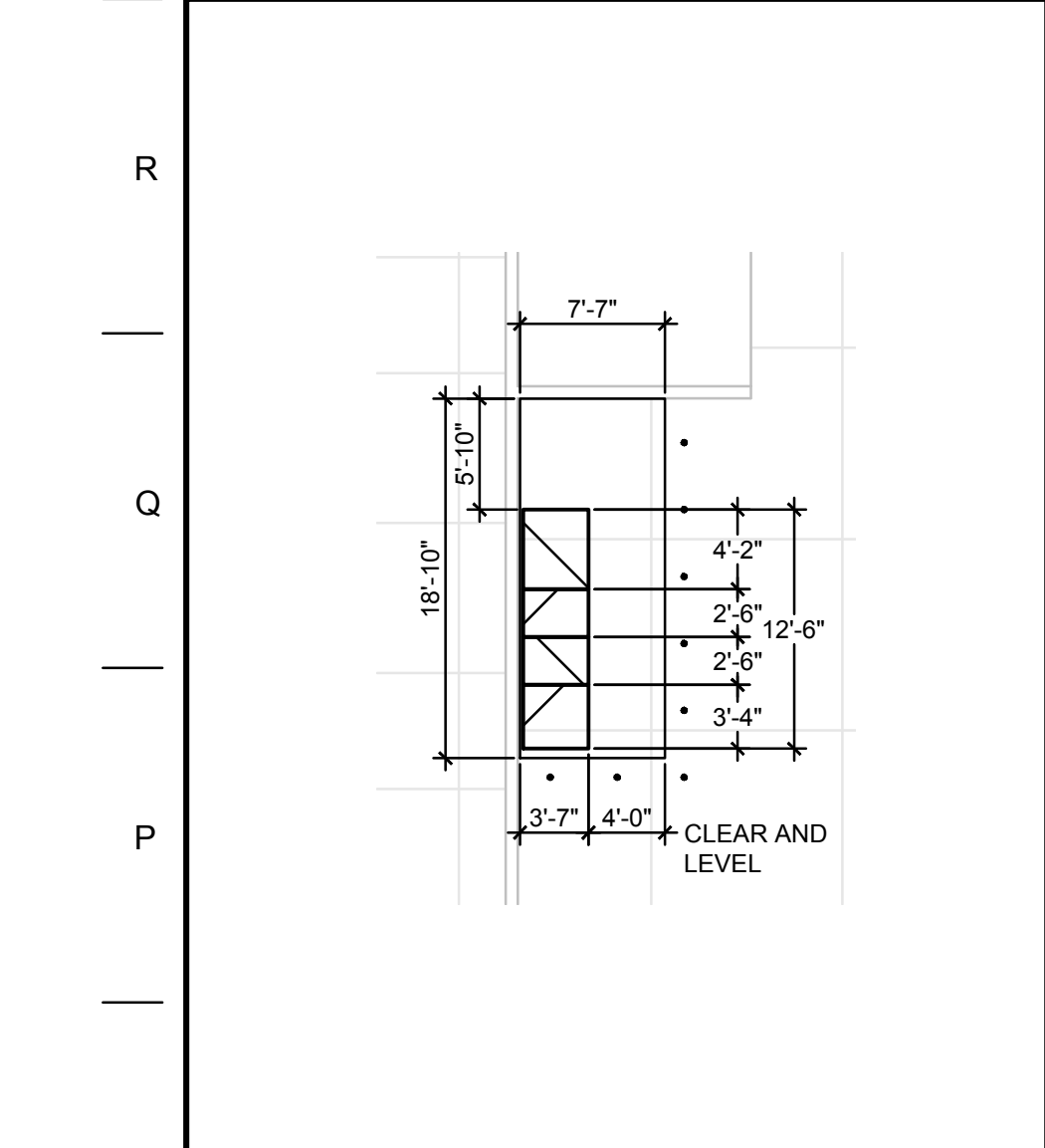
Designed By: SD Copyright 2022 Darden Architects

Scale: As indicated Drawn By: HDE
Project Number: 2116 Checked By: SD
Date: 09/19/2022 Reviewed By: SD

SD/E102

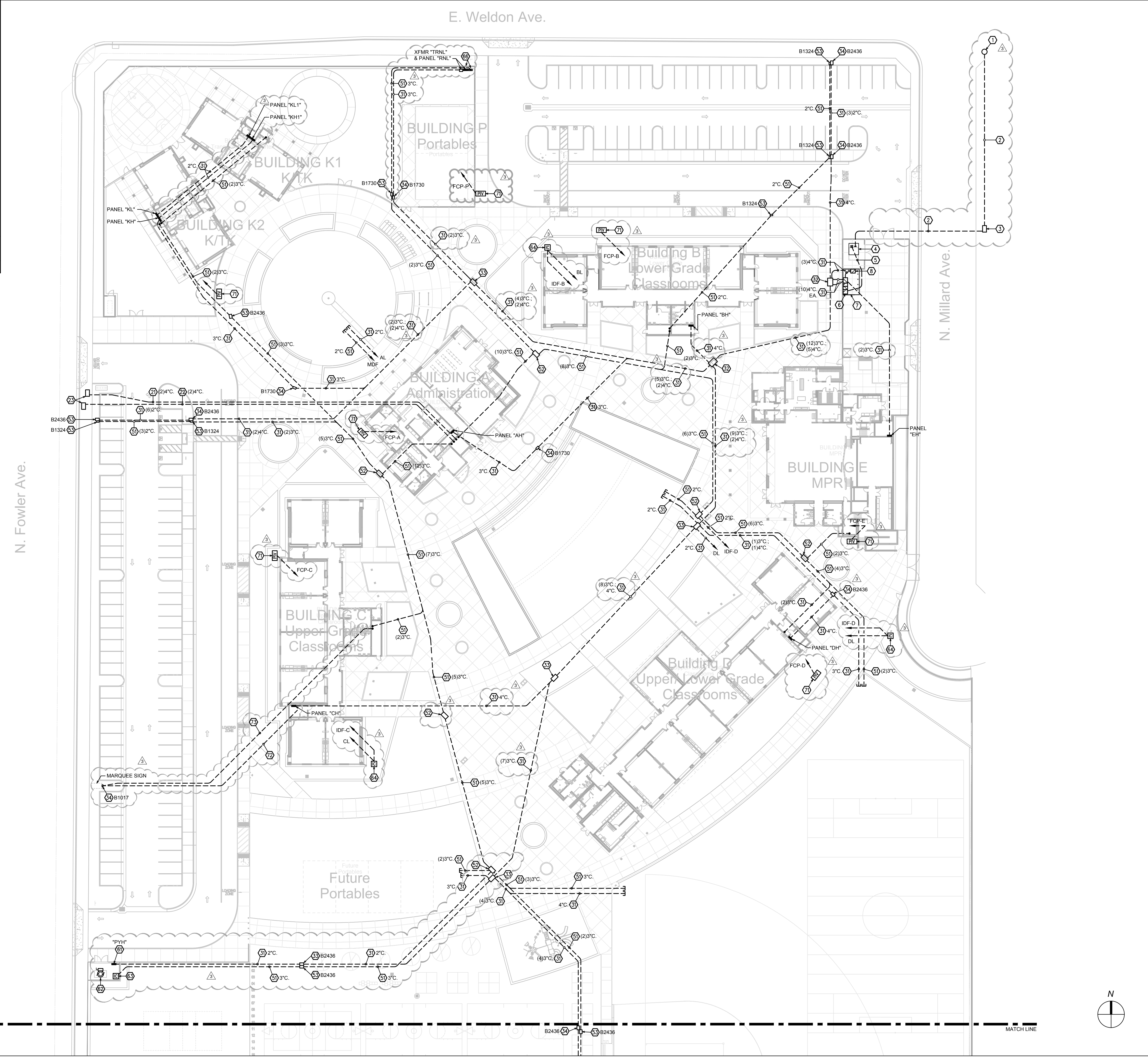
Sheet: _____ of: _____

1/22/2023 4:08:55 PM Z:\Clients\Darden Architects\2006 - CUSD Fowler-McKinley\ES\CAD Files\2006 - Elec General & Site Backcheck (future).dwg



N1 "MSB" & CONCRETE PAD
1" = 10' - 0"

R
Q
P
N
M
L
K
J
H
G
F
E
D
C
B
A



A1 Site Electrical - Power and Low Voltage Plan - North
1" = 30' - 0"

DSA File No.: 10-48
DSA Application No.: 02-120543
Agency Approval

- KEYNOTES**
- EXISTING PG&E MANHOLE. BRING PRIMARY CONDUIT INTO CASING AND SEAL PER PG&E RULES AND STANDARDS.
 - PROPOSED 4" FOR PG&E PRIMARY. CONDUCTORS BY PG&E. PERFORM STREET CROSSING PER CITY OF FRESNO RULES.
 - PROPOSED PG&E 3X5 VAULT.
 - PROPOSED PG&E PAD AND TRANSFORMER. TRANSFORMER BY PG&E.
 - PROPOSED (5) 5" FOR PG&E SECONDARY. CONDUCTORS BY PG&E.
 - MAIN SWITCHBOARD "MSB". SEE G10/X/E301.
 - CONCRETE PAD PER A1/X/E301.
 - PV VERIFIABLE DISCONNECT SWITCH. SEE G10/X/E301.
 - AT&T CONDUITS - QUANTITIES AND SIZES SHOWN ON PLAN.
 - OWNER FIBER INTERCONNECT CONDUITS - QUANTITIES AND SIZES SHOWN ON PLAN.
 - 3" x 5" TELECOMMUNICATIONS VAULT. SEE DETAIL M6/X/E301.
 - POWER CONDUITS - QUANTITIES AND SIZES SHOWN ON PLAN. REFER TO POWER SINGLE LINE DIAGRAM G10/X/E301.
 - 4" x 6'-6" POWER VAULT. SEE DETAIL G6/X/E301.
 - 3" x 5" POWER VAULT. SEE DETAIL M6/X/E301.
 - H20 POWER PULLBOX - SIZE SHOWN ON PLAN. SEE DETAIL G1/X/E301.
 - SYSTEMS CONDUITS - QUANTITIES AND SIZES SHOWN ON PLAN.
 - 3" x 5" SIGNAL VAULT. SEE DETAIL M6/X/E301.
 - H20 POWER PULLBOX - SIZE SHOWN ON PLAN. SEE DETAIL G1/X/E301.
 - IDF-BB: PAD MOUNTED IDF CABINET IN ENVIRONMENTAL CABINET PER B11/X/E402. VERIFY LOCATION WITH DISTRICT. PROVIDE 20A BREAKER AND 1" 2#10, 1#10G. TO PANEL BBL. PROVIDE (3) WP PA SPEAKERS AT BACKSTOPS WITH 3/4" AND CAT6 CABLE EA. PROVIDE (6) CAMERA OUTLETS AT BACKSTOPS WITH 3/4" AND CAT6 CABLE EA.
 - PEDESTAL MOUNTED POWER PANEL & MINI UNIT SUBSTATION PER A1/X/E304 AND A7/X/E304.
 - IRRIGATION BOOSTER PUMP. 480V 3Ø, 42 FLA. REFER TO IRRIGATION PLANS FOR EXACT LOCATION. PROVIDE 50A 3-POLE BREAKER AND CONNECT TO PANEL PY4 WITH 1-1/4" 3#4, 1#6G.
 - IRRIGATION CONTROLLER. REFER TO IRRIGATION PLANS FOR EXACT LOCATION. PROVIDE 20A BREAKER AND CONNECT TO PANEL PY1 WITH 1" 2#12, 1#12G. CONNECT TO MDF WITH 6-STR 5M. PROVIDE MEDIA CONVERTER AND CAT6 PATCH CABLE.
 - IRRIGATION CONTROLLER. REFER TO IRRIGATION PLANS FOR EXACT LOCATION. RUN 1" 2#8, 1#8G. TO INDICATED PANEL & 1" TO INDICATED IDF WITH CAT6 CABLE.
 - COACHES IRRIGATION SWITCH. PROVIDE 20A BREAKER AND 1" 2#10, 1#10G. TO PANEL BBL. SEE IRRIGATION PLANS.
 - PEDESTAL MOUNTED PANELBOARD AND TERMINAL CABINET.
 - FIRE SPRINKLER POST INDICATOR VALVE. VERIFY EXACT LOCATION. RUN 1" TO INDICATED FIRE ALARM CONTROL PANEL.
 - 1" 2#8, 1#8G. TO PANEL CL FOR THE MARQUEE SIGN. VERIFY EXACT LOCATION OF THE MARQUEE SIGN.
 - 1" WITH CAT6 CABLE TO "IDF-C" FOR THE MARQUEE SIGN. VERIFY EXACT LOCATION OF THE MARQUEE SIGN.

- UTILITY NOTES**
- POWER UTILITY WORK SHALL CONFORM TO PG&E STANDARDS AND THE RULE 16 DOCUMENTS.
 - TELECOMMUNICATIONS WORK SHALL CONFORM TO AT&T STANDARDS AND DRAWINGS.

General Notes

Hardin-Davidson Engineering
356 Pollasky Ave., Suite 200, Clovis, CA 93612
559.323.4995 tel • 559.323.4928 fax
www.hardin-davidson.com
Consultant

McKinley/Fowler Elementary School
Clovis Unified School District
Fresno, CA 93727
Project

Site Electrical
Power and Low Voltage Plan - North
Drawing

darden architects
ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
Architect

No.	Revision/Submission	Date
3	Addendum No. 03	01/25/23

Revision	
Designed By:	SD
Copyright	2022 Darden Architects
Scale:	As indicated
Drawn By:	HDE
Project Number:	2116
Checked By:	SD
Date:	09/19/2022
Reviewed By:	SD

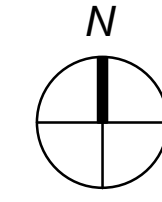
SD/E201

1/22/2023 4:11:50 PM Z:\Clients\Garden Architects\22066 - CUSD Fowler-McKinley\ESCAD Files\22066 - Elec General & Site Backcheck (Future).dwg

MATCH LINE

N. Fowler Ave.

E. McKinley Ave.



DSA File No.:
10-48

DSA Application No.:
02-120543

Agency Approval

KEYNOTES

1. EXISTING PG&E MANHOLE. BRING PRIMARY CONDUIT INTO CASING AND SEAL PER PG&E RULES AND STANDARDS.
2. PROPOSED 4" FC. FOR PG&E PRIMARY CONDUCTORS BY PG&E. PERFORM STREET CROSSING PER CITY OF FRESNO RULES.
3. PROPOSED PG&E 3X5 VAULT.
4. PROPOSED PG&E PAD AND TRANSFORMER. TRANSFORMER BY PG&E.
5. PROPOSED (5) 5" FC. FOR PG&E SECONDARY CONDUCTORS BY PG&E.
6. MAIN SWITCHBOARD "MSB". SEE G10X/E301.
7. CONCRETE PAD PER A1X/E301.
8. PV VERIFIABLE DISCONNECT SWITCH. SEE G10X/E301.
21. AT&T CONDUITS - QUANTITIES AND SIZES SHOWN ON PLAN.
22. OWNER FIBER INTERCONNECT CONDUITS - QUANTITIES AND SIZES SHOWN ON PLAN.
23. 3' x 5' TELECOMMUNICATIONS VAULT. SEE DETAIL M6X/E301.
31. POWER CONDUITS - QUANTITIES AND SIZES SHOWN ON PLAN. REFER TO POWER SINGLE LINE DIAGRAM G10X/E301.
32. 4' x 6'-0" POWER VAULT. SEE DETAIL G6X/E301.
33. 3' x 5' POWER VAULT. SEE DETAIL M6X/E301.
34. H20 POWER PULLBOX - SIZE SHOWN ON PLAN. SEE DETAIL G1X/E301.
51. SYSTEMS CONDUITS - QUANTITIES AND SIZES SHOWN ON PLAN.
52. 3' x 5' SIGNAL VAULT. SEE DETAIL M6X/E301.
53. H20 POWER PULLBOX - SIZE SHOWN ON PLAN. SEE DETAIL G1X/E301.
54. IDF-BB: PAD MOUNTED IDF CABINET IN ENVIRONMENTAL CABINET PER B11X/E402. VERIFY LOCATION WITH DISTRICT. PROVIDE 20A BREAKER AND 1" 2#10. TO PANEL BBL. PROVIDE (3) WP PA SPEAKERS AT BACKSTOPS WITH 3/4" CAT6 CABLE EA. PROVIDE (6) CAMERA OUTLETS AT BACKSTOPS WITH 3/4" CAT6 CABLE EA.
61. PEDESTAL MOUNTED POWER PANEL & MINI UNIT SUBSTATION PER A1X/E304 AND A7X/E304.
62. IRRIGATION BOOSTER PUMP. 480V 3Ø. 42 FLA. REFER TO IRRIGATION PLANS FOR EXACT LOCATION. PROVIDE 50A 3-POLE BREAKER AND CONNECT TO PANEL PVI WITH 1-1/4" 3#4. 1#6C.
63. IRRIGATION CONTROLLER. REFER TO IRRIGATION PLANS FOR EXACT LOCATION. PROVIDE 20A BREAKER AND CONNECT TO PANEL PVI WITH 1" 2#12. 1#12G. CONNECT TO MDF WITH 6-STR SMF. PROVIDE MEDIA CONVERTER AND CAT6 PATCH CABLE.
64. IRRIGATION CONTROLLER. REFER TO IRRIGATION PLANS FOR EXACT LOCATION. RUN 1" 2#8. 1#8G. TO INDICATED PANEL & 1" TO INDICATED IDF WITH CAT6 CABLE.
65. COACHES IRRIGATION SWITCH. PROVIDE 20A BREAKER AND 1" 2#10. 1#10G. TO PANEL BBL. SEE IRRIGATION PLANS.
66. PEDESTAL MOUNTED PANELBOARD AND TERMINAL CABINET.
71. FIRE SPRINKLER POST INDICATOR VALVE. VERIFY EXACT LOCATION. RUN 1" TO INDICATED FIRE ALARM CONTROL PANEL.
72. 1" 2#8. 1#8G. TO PANEL CL FOR THE MARQUEE SIGN. VERIFY EXACT LOCATION OF THE MARQUEE SIGN.
73. 1" WITH CAT6 CABLE TO "IDF-C" FOR THE MARQUEE SIGN. VERIFY EXACT LOCATION OF THE MARQUEE SIGN.

UTILITY NOTES

1. POWER UTILITY WORK SHALL CONFORM TO PG&E STANDARDS AND THE RULE 16 DOCUMENTS.
2. TELECOMMUNICATIONS WORK SHALL CONFORM TO AT&T STANDARDS AND DRAWINGS.

G1 Site Electrical - Power and Low Voltage Plan - South
1" = 30'-0"

General Notes

HD
Hardin-Davidson Engineering
 356 Pollasky Ave., Suite 200, Clovis, CA 93612
 559.323.4995 tel • 559.323.4928 fax
 www.hardin-davidson.com

Consultant

McKinley/Fowler Elementary School
 Clovis Unified School District
 Fresno, CA 93727

Project

Site Electrical
 Power and Low Voltage Plan - South

Drawing

darden architects ARCHITECTURE PLANNING INTERIORS
 www.dardenarchitects.com
 6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

Architect

No.	Revision/Submission	Date
3	Addendum No. 03	01/25/23
Revision		
	Designed By: SD	Copyright 2022 Darden Architects
Scale: As indicated	Drawn By: HDE	SD/E202
Project Number: 2116	Checked By: SD	
Date: 09/19/2022	Reviewed By: SD	Sheet: _____ of: _____

1/22/2023 4:12:27 PM
 Z:\Clients\Garden Architects\2006 - CUSD Fowler-McKinley\ESCAD Files\2006 - Elec General & Site Backcheck (_future).dwg

ELECTRICAL GENERAL NOTES

- ALL WORK SHALL MEET THE LATEST ADOPTED ADDITIONS OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 AND ALL OTHER APPLICABLE REGULATIONS, WHICH INCLUDE: CALIFORNIA BUILDING CODE 2019, CALIFORNIA ELECTRICAL CODE 2019, NON RESIDENTIAL CEC ENERGY STANDARDS 2019.
- NOTHING IN THE PLANS OR SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
- IT IS THE INTENTION OF THESE PLANS AND SPECIFICATIONS TO COVER EVERYTHING REQUIRED TO PROVIDE FOR COMPLETE AND OPERATIVE SYSTEMS. THE CONTRACTOR IS TO FURNISH LABOR, MATERIAL, TRANSPORTATION, EQUIPMENT, MISCELLANEOUS SERVICES, ETC. REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE REASONABLY CONSIDERED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER OR NOT SPECIFICALLY SHOWN OR MENTIONED.
- THE CONTRACTOR SHALL EXAMINE THE SITE AND EXISTING CONDITIONS AND MAKE ALLOWANCES IN THE BID FOR ANY CONDITIONS NOT SHOWN ON THE ELECTRICAL DOCUMENTS.
- THE PLANS AND SPECIFICATIONS ARE INTENDED TO BE USED AS CONSTRUCTION GUIDELINES AND ARE NOT THE TOTAL INSTRUMENT OF CONTRACT DOCUMENTS. IT IS NOT THE INTENTION OF ANY CONSTRUCTION PLANS TO DIVIDE WORK AMONG DIFFERENT TRADES. VERIFY THE SCOPE OF WORK WITH THE ARCHITECT AND THE GENERAL CONTRACTOR.
- ELECTRICAL ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING & PHYSICAL CONDITIONS MAY VARY. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE ACTUAL ROUTING, CONNECTIONS, & PROVISION OF ALL APPURTENANCES NECESSARY FOR A COMPLETE & OPERATING SYSTEM.
- ELECTRICAL EQUIPMENT SHALL HAVE AN APPROVED TESTING LABORATORY LABEL ATTACHED (UL, CSA ETC.) PER CEC 110.2.
- PROVIDE LABELING AND DIRECTORIES FOR ALL SWITCHBOARDS AND PANELBOARDS PER CEC 408.4.
- ELECTRICAL EQUIPMENT SHALL HAVE A SHORT CIRCUIT CURRENT RATING CAPABLE OF WITHSTANDING THE AVAILABLE SHORT CIRCUIT CURRENT PER CEC 110.9.
- PROVIDE MINIMUM 30" WIDE X 78" HIGH X 3" DEEP (42" DEEP) WORK CLEARANCES IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 120/208/30 3Ø 4W [277/480V 3Ø 4W] PER CEC 110.26.
- ELECTRICAL RECEPTACLE OUTLETS ON BRANCH CIRCUIT OF 30 AMPERES OR LESS AND COMMUNICATION SYSTEM RECEPTACLES SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CEC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), RECEPTACLES SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CEC 11B-308.2.2 AND 11B-308.3.2.
- CONTROLS AND SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF A ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING AND VENTILATING EQUIPMENT SHALL BE MOUNTED BETWEEN 15" AFF AND 48" AFF AND SHALL COMPLY WITH CEC SECTION 11B-308. THE LOW REACH SHALL BE MEASURED TO THE BOTTOM OF THE OUTLET BOX AND THE HIGH REACH SHALL BE MEASURED TO THE TOP OF THE OUTLET BOX. IF THE REACH IS OBSTRUCTED (E.G. BY CASEWORK, COUNTERS, ETC.), SWITCHES AND CONTROLS SHALL BE LOCATED WITHIN THE REACH RANGES SPECIFIED IN CEC 11B-308.2.2 AND 11B-308.3.2.
- ALL WALL AND SURFACE MOUNTED FIXTURES PROTRUDING IN THE PATH OF TRAVEL (POT) OR COMMON PEDESTRIAN WAYS SHALL COMPLY WITH CEC 11B-307.2, OR SHALL BE MOUNTED LESS THAN 27" AFF OR GREATER THAN 80" AFF, OR SHALL BE PROVIDED WITH A BARRIER CONFORMING TO CEC 11B-307.4.
- EMERGENCY EGRESS LIGHTING SHALL PROVIDE A MINIMUM LUMINANCE OF 1 FOOTCANDLE AT THE WALKING SURFACE FOR A MINIMUM OF 90 MINUTES.
- FIRE ALARM EQUIPMENT SHALL BE SERVED BY DEDICATED FIRE ALARM BRANCH CIRCUITS PER NFPA 72 10.6.5.1.2. THE CIRCUIT NUMBER SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM EQUIPMENT PER NFPA 10.6.5.2.1. THE CIRCUIT BREAKER SHALL BE EQUIPPED WITH RED HANDLE AND LOCK-ON DEVICE, AND PERMANENTLY IDENTIFIED AS "FIRE ALARM CIRCUIT" PER NFPA 72 10.6.5.2.2, 10.6.5.2.3, 10.6.5.2.4, AND 10.6.5.4.
- WIRING FOR 120/208V AND 277/480V SYSTEMS SHALL BE MIN. #12 AWG THHN/THWN-2 COPPER.
- FEEDERS SIZE #4 AND LARGER SHALL BE MEGGER TESTED. TEST RESULTS SHALL BE SUBMITTED TO THE ENGINEER.
- COLORS/FINISHES/MATERIALS FOR ALL ELECTRICAL DEVICES, PLATES, LIGHT FIXTURES, ETC. SHALL BE CHOSEN BY THE ARCHITECT.
- PROVIDE PERMANENT LOCK-OPEN DEVICES ON CIRCUIT BREAKERS SERVING ELECTRIC WATER HEATERS TO MEET THE REQUIREMENTS OF CEC 422.31.
- CONTRACTOR SHALL EXTEND ALL SIGNAL AND FIRE ALARM SYSTEMS AS REQUIRED. MODIFY HEAD-IN EQUIPMENT TO ACCOMMODATE NEW DEVICES AS REQUIRED. VERIFY THE CONDITION AND EXPANDABILITY OF ALL HEAD-IN EQUIPMENT PRIOR TO BID AND MODIFY ACCORDINGLY.
- CALL US UNDERGROUND ALERT AND VERIFY WITH DISTRICT THE DESIRED ROUTING AND LOCATIONS OF UNDERGROUND CONDUITS AND STRUCTURES PRIOR TO TRENCHING.
- EXISTING EQUIPMENT TO BE REMOVED AND/OR REPLACED SHALL BE DELIVERED TO THE DISTRICT MAINTENANCE DEPARTMENT OR DISPOSED OF, AT THE DISCRETION OF THE DISTRICT.
- ALL CONDUITS UNDER CONCRETE OR ASPHALT WILL HAVE 24" MINIMUM COVER OF ROCK FREE NATIVE SOIL. METALLIC WARNING TAPE AT 12", AND NO ENCASEMENT REQUIRED. ALL CONDUITS THAT HAVE CONDUCTORS WITH A POTENTIAL OF 250 VOLT TO GROUND OR GREATER, THAT ARE NOT UNDER ASPHALT AND/OR CONCRETE SHALL REQUIRE 1,500 PSI CONCRETE ENCASEMENT. METALLIC WARNING TAPE AT 12", AND A MINIMUM COVER FROM TOP OF ENCASMENT OF 24". ALL CONDUITS THAT HAVE CONDUCTORS WITH A POTENTIAL OF LESS THAN 250 VOLTS TO GROUND, THAT ARE NOT UNDER ASPHALT AND/OR CONCRETE WILL HAVE 30" MINIMUM COVER OF NATIVE SOIL. METALLIC WARNING TAPE AT 12" AND NO ENCASEMENT REQUIRED.
- INSTALL GALVANIZED RIGID STEEL RISERS & ELBOWS WHERE THEY OCCUR. WRAP GALVANIZED RIGID STEEL BELOW GRADE. PVC SHALL NOT BE INSTALLED ABOVE GRADE.
- CONDUIT INSTALLED ABOVE GRADE SHALL BE MIN. 3/4" TRADE SIZE. CONDUIT BELOW GRADE SHALL BE MIN. 1" TRADE SIZE.
- PROVIDE (4) 1" CONDUIT STUBS FROM NEW ELECTRICAL PANEL TO ACCESSIBLE ATTIC SPACE FOR FUTURE USE.
- CIRCUIT BREAKERS SERVING FIRE ALARM EQUIPMENT SHALL HAVE A RED HANDLE AND LOCK-ON DEVICE.
- HOLES ARE NOT ALLOWED THROUGH TOP PLATES OF BEARING WALLS AND SHEAR WALLS.
- INCLUDE FIRE STOP SYSTEMS REQUIRED FOR ALL WORK AFFECTED BY FIRE RATED ASSEMBLIES.
- INCLUDE ALL WORK REQUIRED TO INVESTIGATE, DEMOLISH, & RECONNECT EXISTING ITEMS.

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION	NOTES
	POLE WITH POST TOP AREA LUMINAIRE	
	POLE WITH SINGLE AREA LUMINAIRE	
	POLE WITH DOUBLE AREA LUMINAIRES	
	LAY-IN LIGHT FIXTURE	
	SURFACE CEILING LIGHT	
	RECESSED DOWN LIGHT	
	WALL LIGHT	
	EXIT SIGN, CEILING	ARROWS INDICATE CHEVRON DIRECTIONS
	EXIT SIGN, WALL	ARROWS INDICATE CHEVRON DIRECTIONS
	EXIT SIGN, WALL, LOW LEVEL PER CBC 1013.7	ARROWS INDICATE CHEVRON DIRECTIONS
	FIXTURE TYPE 'A'	REFER TO FIXTURE SCHEDULE
	FIXTURE ON EMERGENCY POWER	PROVIDE UNSWITCHED HOT CONDUCTOR
	INVERTER	
	SWITCH AT 48" AFF MAX TO TOP OF BOX	20A 277V QUIET TOGGLE
	WALL MOUNTED DUAL TECH OCCUPANCY SENSOR	ROUGH IN WITH 1G BOX PER SWITCH W/ RING, 1\"/>
	WALL MOUNTED ULTRASONIC OCCUPANCY SENSOR	ROUGH IN WITH 1G BOX PER SWITCH W/ RING, 1\"/>
	WALL MOUNTED EXHAUST FAN RELAY	AT 48" AFF MAX TO TOP OF BOX
	UL524 EMERGENCY CONTROL RELAY, 20A, DIMMING OVERRIDE, DIGITAL ON/OFF SWITCH, INCSR	MOUNT IN ACCESSIBLE ATTIC OR INCONSPICUOUS LOCATION, HIGH ON WALL, WHEN NO CEILING
	DIGITAL ON/OFF SWITCH	ROUGH IN WITH 1G BOX & RING, 1\"/>
	DIGITAL DIMMER SWITCH	ROUGH IN WITH 1G BOX & RING, 1\"/>
	DIGITAL DIMMER SWITCH W/ INTEGRAL OCCUPANCY SENSOR AND PHOTOSENSOR	ROUGH IN WITH 1G BOX & RING, 1\"/>
	DIGITAL LED TOUCHSCREEN	ROUGH IN WITH 1G BOX & RING, 1\"/>
	DIGITAL OCCUPANCY SENSOR W/ PHOTOSENSOR	ROUGH IN WITH 1G BOX & RING, 1\"/>
	DIGITAL TECHNOLOGY CEILING MOUNT	ROUGH IN WITH 1G BOX & RING, 1\"/>
	DIGITAL GATEWAY	ROUGH IN WITH 1G BOX & RING, 1\"/>
	DIGITAL BRIDGE	ROUGH IN WITH 1G BOX & RING, 1\"/>
	DIMMING POWER PACK	ROUGH IN WITH 1G BOX & RING, 1\"/>
	DIMMING POWER PACK W/ EMERGENCY CONTROL	ROUGH IN WITH 1G BOX & RING, 1\"/>
	DMX CONTROLLER PACK	ROUGH IN WITH 1G BOX & RING, 1\"/>
	RECEPTACLE RELAY CONTROLLED BY OCCUPANCY SENSOR	ROUGH IN WITH 1G BOX & RING, 1\"/>
	PRIMARY DAYLIGHT ZONE BOUNDARY	
	SECONDARY DAYLIGHT ZONE BOUNDARY	
	TERMINAL CABINET	
	DATA OUTLET (RJ-45 CAT6) WITH 2 JACK AT +18" AFF, U.O.N.	4-11/16 SQ. BOX, 1G RING, MODULAR PLATE, & 1 1/2\"/>
	BLUE JACKS & CABLE	SPACE. PULL CABLING TO RESPECTIVE PATCH PANEL AND TERMINATE JACKS AT EACH END. REFER TO SPECIFICATIONS.
	YELLOW JACKS & CABLE	4-11/16 SQ. BOX, 1G RING, MODULAR PLATE. PULL CABLING TO RESPECTIVE PATCH PANEL AND TERMINATE JACKS AT EACH END. REFER TO SPECIFICATIONS.
	WALL MOUNT VOP OUTLET (RJ-45 CAT6) AT +45" AFF, U.O.N.	4-11/16 SQ. BOX, 1G RING, MODULAR PLATE, & 1 1/2\"/>
	WALL MOUNT DATA/COMM OUTLET AT +45" AFF, U.O.N.	4-11/16 SQ. BOX, 1G RING, MODULAR PLATE, & 1 1/2\"/>
	"MAIN DISTRIBUTION FRAME"	
	"INTERMEDIATE DISTRIBUTION FRAME"	
	SURVEILLANCE (CCTV) CAMERA PROVISION, WALL MOUNTED, VERIFY HEIGHTS AT EACH LOC. C=CEILING MOUNTED.	INTERIOR: 1G J-BOX, 1G RING, MODULAR PLATE, 3/4\"/>
	PUBLIC ADDRESS SPEAKER, CEILING MOUNTED	HOMERUN SPEAKER CABLE TO PA TERMINAL BLOCK RUN 1\"/>
	WP OUTDOOR PUBLIC ADDRESS SPEAKER, WALL MOUNTED, +120" U.O.N.	RUN 1\"/>
	PUBLIC ADDRESS SPEAKER & WIRELESS CLOCK COMBINATION WALL MOUNTED, +102" U.O.N.	RUN 1\"/>
	WIRELESS CLOCK, WALL MOUNTED +102" U.O.N.	SEE DETAIL 6/70.3.

SYMBOL	DESCRIPTION	NOTES
	WIRING IN CONDUIT, BELOW GRADE	3/4" CONDUIT MIN. SEE DETAIL M11X301.
	WIRING IN CONDUIT, IN WALL OR CEILING	3/4" CONDUIT MIN.; EMT CONCEALED AND ABV. 96" EXPOSED; GRS BELGLOWS 96" EXPOSED.
	INDICATES INVERTER CIRCUIT WIRING	EMERGENCY CIRCUIT AND NORMAL CIRCUIT WIRING SHALL NOT BE RUN IN THE SAME RACEWAY
	LOW VOLTAGE WIRING IN ATTIC SPACE	TYPE PER EQUIPMENT MANUFACTURER
	CONDUIT RISER	3/4" CONDUIT MIN.
	FLEXIBLE CONDUIT	3/4" CONDUIT MIN.
	CONDUIT STUB AND CAP	3/4" CONDUIT MIN.
	CROSS HATCHES INDICATE NUMBER OF #12 AWG CONDUCTORS IN CONDUIT, WHEN MORE THAN TWO. WIRE SIZE INDICATED ON PLANS WHEN TWO #12 AWG. PROVIDE GROUND PER CEC 250. PROVIDE DEDICATED NEUTRAL FOR EACH CIRCUIT.	3/4" CONDUIT MIN.
	CURVED CROSS HATCHES INDICATE #14 AWG PURPLE & GRAY CONDUCTORS FOR DIMMING CONTROL.	3/4" CONDUIT MIN.
	HOME RUN (TO PANEL 'A', CIRCUIT '15')	3/4" CONDUIT MIN.
	"EXISTING"	
	"UNLESS OTHERWISE NOTED"	
	"WEATHERPROOF" / NEMA 3R	
	"GROUND FAULT INTERRUPTER"	
	SWITCHBOARD	REFER TO POWER SINGLE LINE DIAGRAM
	POWER PANEL	REFER TO PANEL SCHEDULE
	JUNCTION BOX	4-11/16" SQUARE BOX & COVER PLATE MIN.
	DISCONNECT SWITCH, FUSIBLE	DISCONNECT FUSING TO BE PER NAMEPLATE DATA.
	COMBINATION STARTER/DISCONNECT SWITCH	REFER TO MECH. PLANS & SPECS.
	MOTOR	REFER TO MECH. PLANS & SPECS.
	EXHAUST FAN, CEILING MOUNTED	REFER TO MECH. PLANS & SPECS.
	SINGLE CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT
	DUPLEX CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #TR20-W
	QUADPLEX CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #TR20-W
	GFI DUPLEX OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #GFI2R-W
	WEATHERPROOF, GFI DUPLEX OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N. W/ WEATHERPROOF IN USE, METAL LOCKABLE TYPE COVER	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #GFI2R-W
	DUPLEX CONVENIENCE OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N. SPLIT WIRED WITH UNSWITCHED AND SWITCHED BY OCCUPANCY SENSOR	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #TR20-SIW CODE COMPLIANT MARKING REQUIRED
	QUADPLEX CONVENIENCE OUTLET, CONTROLLED AT +15" AFF TO BOTTOM OF BOX, U.O.N. ONE UNSWITCHED AND ONE SWITCHED BY OCCUPANCY SENSOR	20A SPEC. GRADE, NEMA GROUNDED TAMPER RESISTANT, LEVITON #TR20-W AND LEVITON #TR20-SIW CODE COMPLIANT MARKING REQUIRED
	SPECIAL EQUIPMENT OUTLET AT +15" AFF TO BOTTOM OF BOX, U.O.N.	VERIFY REQ'TS W/ EQUIPMENT VENDOR TAMPER RESISTANT
	POWER POLE, 2-COMPARTMENT	
	CONCRETE FLOOR BOX AT GROUND FLOOR / RATED POKE THRU AT 2" RING	4-GANG BOX WITH CAST ALUMINUM TRIM PLATES, CONFIGURABLE POWER AND SIGNAL COMPARTMENTS
	RETRACTABLE CORD REEL WITH QUAD GFI OUTLET IN RECESSED CEILING ENCLOSURE	VERIFY DIMENSIONS/LOCATION PRIOR TO ROUGH-IN. HUBBELL #RH125123 SERIES W/ 25 FT CORD RATED FOR 20A AT 120V 1W W/ NEMA 5-20R GFI OUTLETS. SEE DETAIL A11X302.
	12 CU GROUND BUS BAR	WITH #6 GREEN GROUND WIRE TO G.E.C.
	FIRE/SMOKE DAMPER	PROVIDE 120V F.A. CIRCUIT TO DAMPER VIA DEDICATED F.A. RELAY
	SPRINKLER RISER BELL	PROVIDE 120V F.A. CIRCUIT
	WIREMOLD 540 SURFACE WIREWAY	RISERS WHERE INDICATED ON DRAWINGS
	MODULAR FURNITURE POWER FEED	ROUGH IN AT WALL PER MANUFACTURER REQUIREMENTS.
	MODULAR FURNITURE DATACOM SIGNAL FEED	ROUGH IN AT WALL PER MANUFACTURER REQUIREMENTS.
	"ENERGY MANAGEMENT SYSTEM PUNCH BLOCK"	
	MPR LIBRARY EXTRON INPUT STATION AT +42" AFF, U.O.N.	ROUGH IN W/ 4 SQ. DEEP BOX, 1G RING & 1\"/>
	MPR LIBRARY EXTRON CONTROL STATION @ +42" AFF (1) CAT6a TO IDF AND (1) CAT6a TO AV SWITCHER. GRAY JACK	ROUGH IN W/ 4 SQ. DEEP BOX, 2G RING & 1\"/>
	MPR LIBRARY EXTRON CEILING PROJECTOR MOUNT, SWITCHER/AMPLIFIER, VOICELIFT ANTENNA, AND (2) DATA JACKS	INSTALL CABLING TO INPUT AND CONTROL STATIONS, AND SPEAKERS. REFER TO SPEC SECTION 274200 FOR MPR. REFER TO SPEC SECTION 274200 FOR MPR.
	MPR SOUND RACK	REFER TO SPEC SECTION 274200.
	MPR LIBRARY SPEAKER	REFER TO SPEC SECTION 274200 FOR MPR.
	MPR LIBRARY ANTENNA, CEILING MOUNTED	REFER TO SPEC SECTION 274200.
	MPR LIBRARY ANTENNA, WALL MOUNTED	REFER TO SPEC SECTION 274200.
	MPR ASSISTIVE LISTENING SYSTEM ANTENNA	REFER TO SPEC SECTION 274200.
	MPR WIRELESS MICROPHONE ANTENNA	REFER TO SPEC SECTION 274200.
	CLASSROOM WALL PROJECTOR AT +102" AFF. HOUSING, HDMI/VA3/3MM AUDIO/USB JACKS, AND 2G RING OPENING. INSTALL (2) 2-GANG BOXES WITH 2G RINGS AND (2) 1-1/4\"/>	LOCATE JACKS CONCEALED BEHIND PROJECTOR HOUSING. PULL WIRING, AUDIO, AND ACTIVE USB CABLE TO AV INPUT JACK LOCATION AND TERMINATE. CONNECT PROJECTOR TO AMPLIFIER BRACKET. REFER TO SPEC SECTION 274200 AND SEE DETAIL 6/70.3.
	CLASSROOM EXTRON FLAT FIELD SPEAKER	CONNECT TO AMPLIFIER AT PROJECTOR HOUSING.
	AV INPUT HDMI/VA3/3MM AUDIO/USB JACK WALL PLATE AT +18" AFF	2G BOX, 1G RING, (2) 1 1/4\"/>
	RECESSED TV BOX WITH POWER OUTLET, (2) DATA JACKS, HDMI AND CATV JACKS. VERIFY HEIGHT/LOCATION PRIOR TO ROUGH-IN. SEE POWER PLAN FOR POWER OUTLET	MAKE POWER CONNECTION AND PROVIDE 1 1/2\"/>

DSA File No.: 10-48

DSA Application No.: 02-120543

Agency Approval

ELECTRICAL EQUIPMENT ANCHORAGE NOTES

- ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS, WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.8 THROUGH 1617A.1.26 AND ASCE 7-16, CHAPTERS 13, 26 AND 30:
- ALL PERMANENT EQUIPMENT AND COMPONENTS.
 - TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING ELECTRICAL UTILITY SERVICE.
 - MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND 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 ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.

THE FOLLOWING ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT.

- 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.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL, RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTES

THE ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16, SECTION 13.3 AS DEFINED IN ASCE 7-16, SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 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 SHALL BE 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.

THE ELECTRICAL DISTRIBUTION SYSTEM IS DETAILED ON THE APPROVED DRAWINGS WITH SPECIFIC NOTES AND DETAILS. WHEN A DETAIL IS NOT PROVIDED ON THE PLANS, THE ELECTRICAL DISTRIBUTION SYSTEM SHALL COMPLY WITH HCAI PRE-APPROVAL #0PM-005213 (B-LINE).

General Notes

Hardin-Davidson Engineering
 356 Polasky Ave., Suite 200, Clovis, CA 93612
 559.323.4995 tel • 559.323.4928 fax
 www.hardin-davidson.com
 E17850
 CONSULTANT

McKinley/Fowler Elementary School
 Clovis Unified School District
 Fresno, CA 93727
 Project

Electrical Systems
 Symbols, Notes, and Details
 Drawing

darden ARCHITECTURE
 PLANNING INTERIORS
 www.dardenarchitects.com
 6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
 ARCHITECT

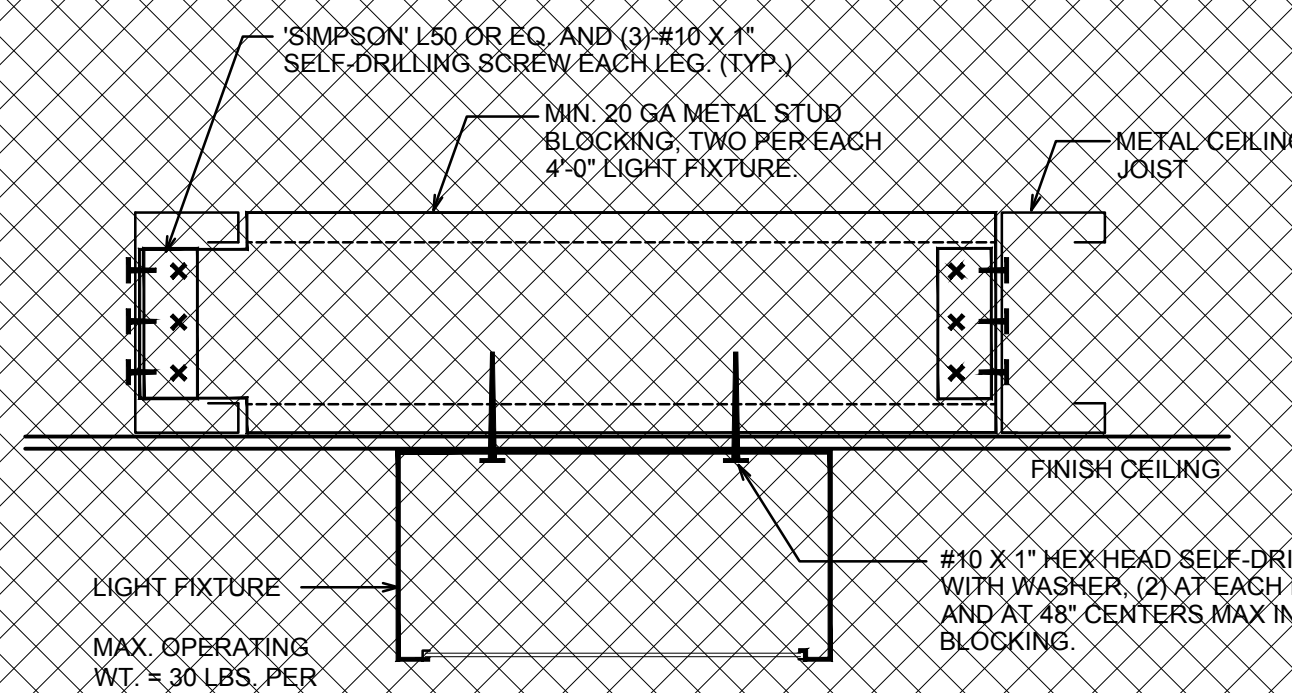
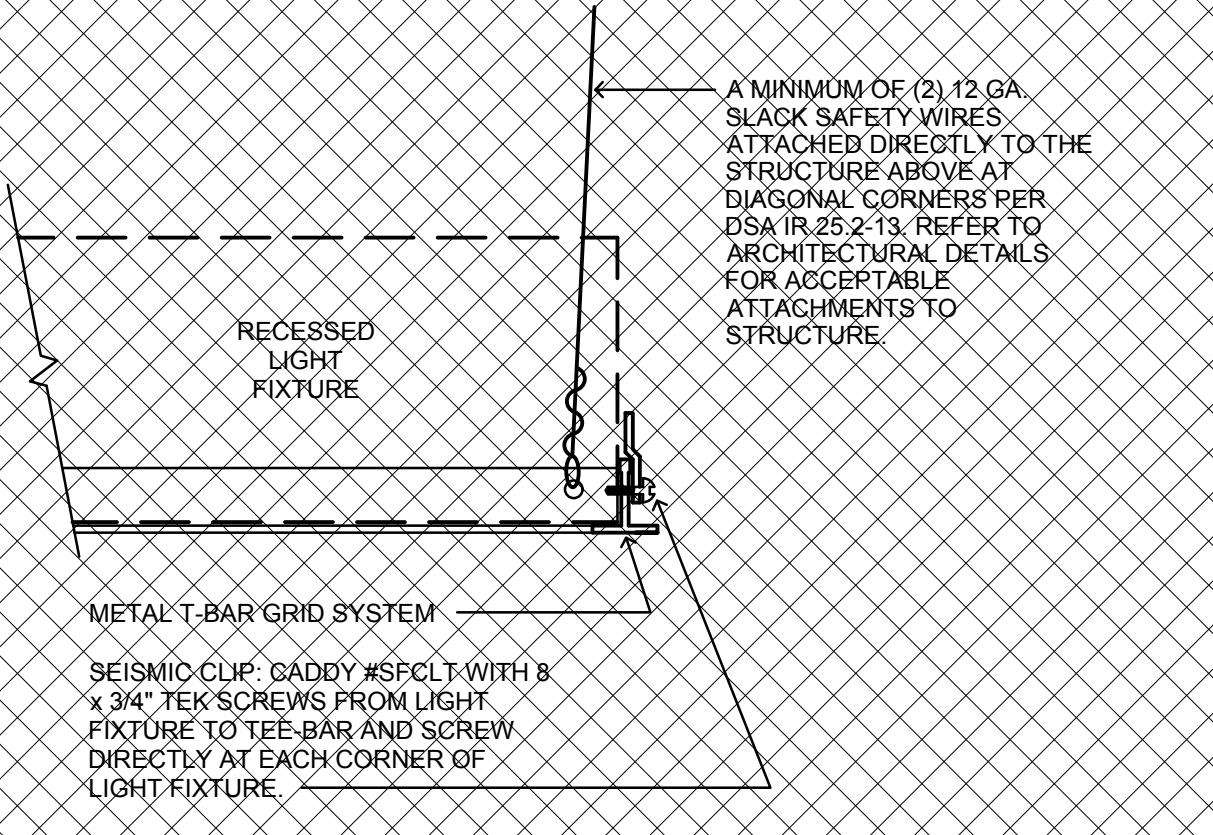
No.	Revision/Submission	Date
3	Addendum No. 03	01/25/23

Revision

Scale: As indicated	Drawn By: HDE	X/E101
Project Number: 2116	Checked By: SD	
Date: 09/19/2022	Reviewed By: SD	
Designed By: SD	Copyright 2022 Darden Architects	

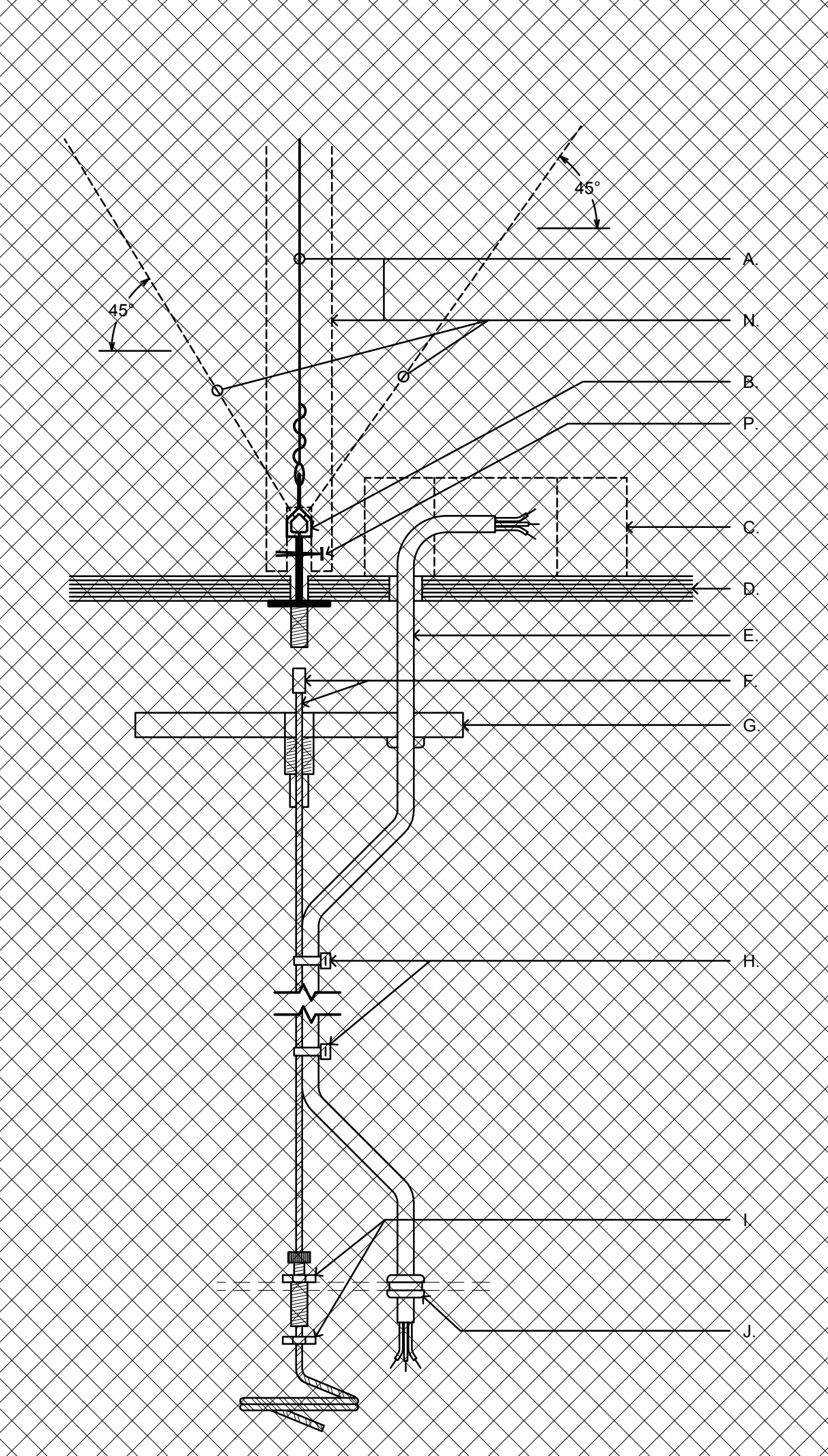
Sheet: of

HEAVY DUTY GRID SYSTEM			
LIGHT FIXTURE DIMENSION	WEIGHT	NO. OF HANGER WIRES	TYPE
<24" x 48"	<58 LBS	2	SLACK
>24" x 48"	>58 LBS	4	TAUT

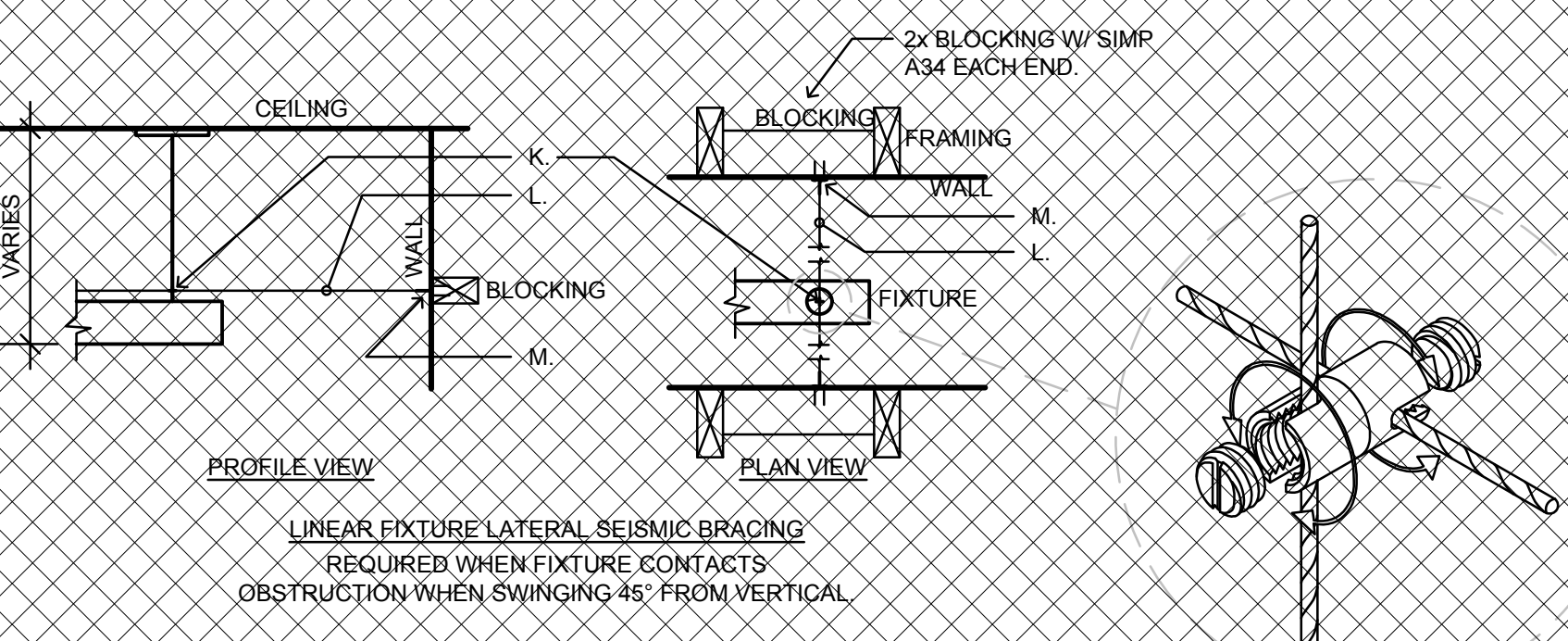


N1 Lay-in Fixture Grid Mounting Detail
No Scale

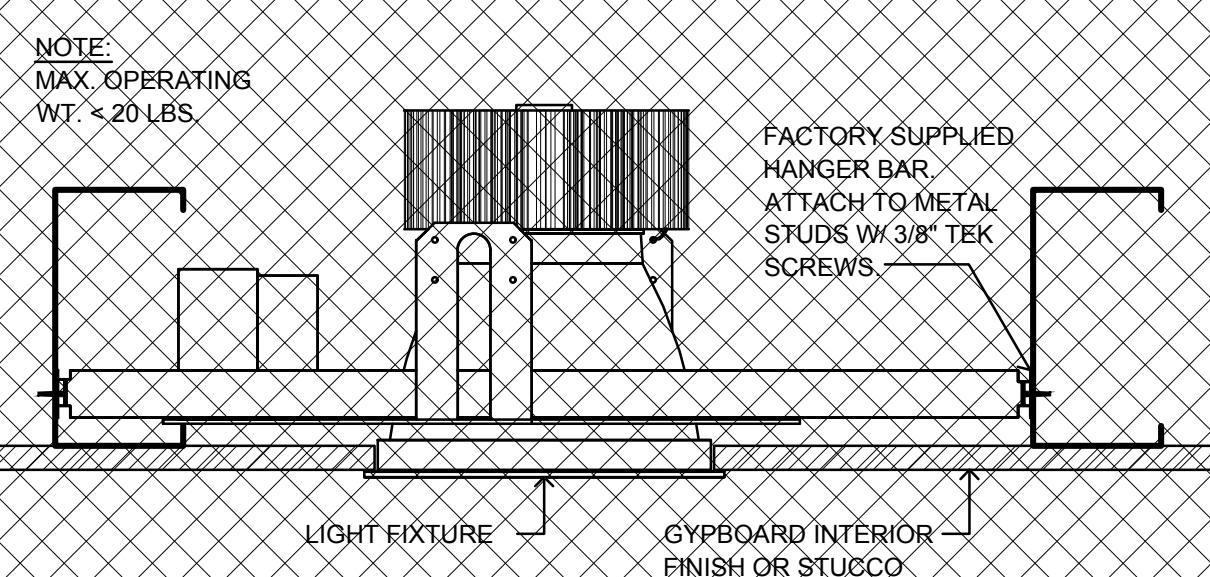
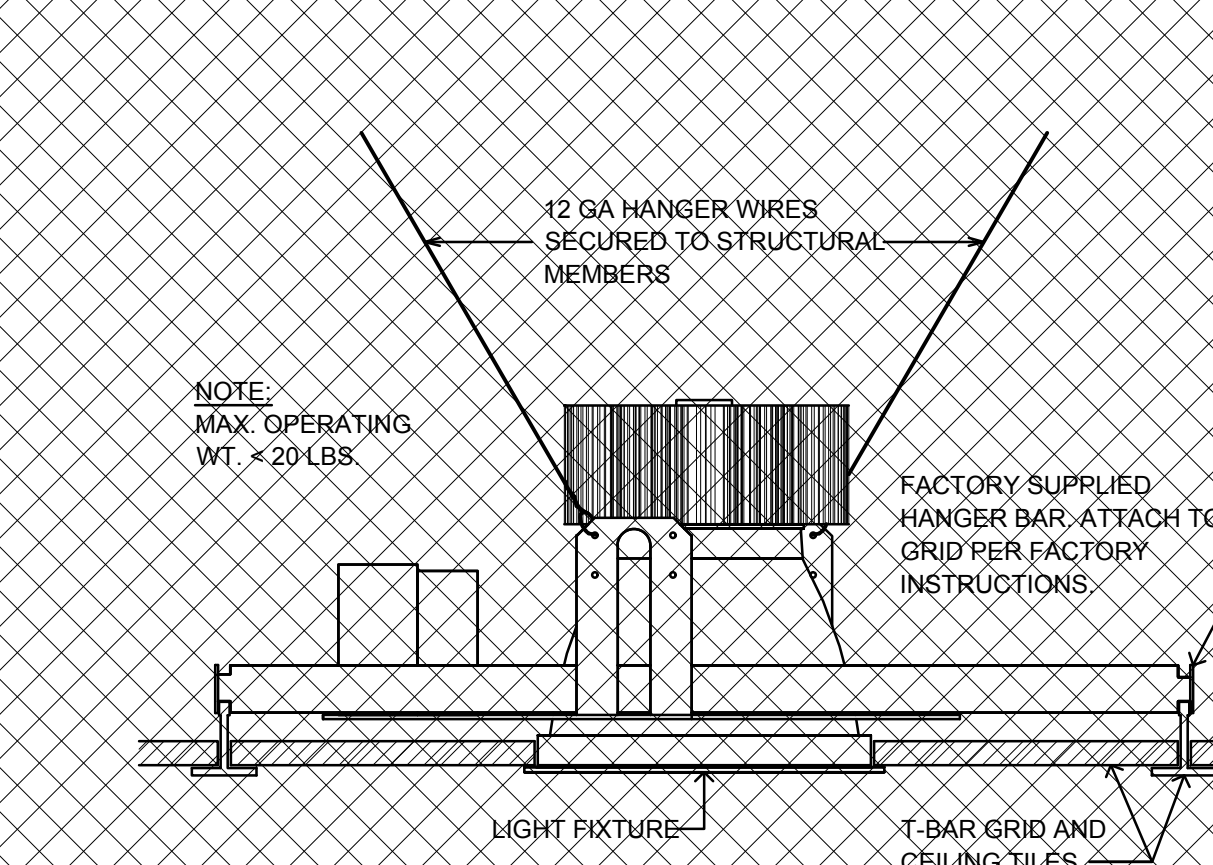
N5 Surface Fixture Mounting Detail
No Scale



- DETAIL KEY NOTES:**
- A. HANGER WIRE: 1/2 GA. GALV. HANGER WIRES FROM SUPPORT CLIP TO ROOF STRUCTURE PER OSA IR 25-2.13. REFER TO ARCHITECTURAL DETAILS FOR ACCEPTABLE HANGER WIRE CONNECTIONS.
 - B. SUPPORT CLIP: CADDY INDEPENDENT SUPPORT CLIP W/ 1/4" OD STUD, ATTACHES OVER T-BAR RUNNER.
 - C. J-BOX: LIGHTING CIRCUIT J-BOX (AT POWER FEED END OF FIXTURE ONLY).
 - D. ACOUSTIC CEILING TILE: INSTALLED IN T-BAR GRID SYSTEM. SEE ARCH. PLANS.
 - E. POWER FEED: WHITE SO COND, 18/3 OR 18/4, AS REQUIRED.
 - F. AIRCRAFT CABLE: 3/32" STAINLESS STEEL AIRCRAFT CABLE W/ BARREL TERMINAL AT ONE END.
 - G. CADDY: 1/4" INTERNAL THREAD CEILING COUPLER AND BARREL TERMINAL CAPTURE, BY MFG'R.
 - H. ZIP TIE: NEATLY ZIP TIE POWER FEED TO AIRCRAFT CABLE AT 6" CENTERS W/ WHITE ZIP TIES.
 - I. GRIPPER: UL LISTED AIRCRAFT CABLE GRIPPER W/ KNURED LOCK NUT, 1/4-20" THREADED BODY & NUT ATTACHES TO FIXTURE.
 - J. STRAIN RELIEF: STRAIN RELIEF BUSHING AT FIXTURE.
 - K. 2 CABLE CLAMP: SECURE TO EACH HANGER CABLE WITHIN 4" OF FIXTURE ATTACHMENT POINT.
 - L. LATERAL BRACING CABLE: 3/32" STAINLESS STEEL AIRCRAFT CABLE INSTALLED LONGITUDINALLY ACROSS FIXTURE TO PREVENT SWAYING.
 - M. WALL ANCHOR: CABLE COUPLER ANCHOR (GRIPLOCK #DG-CC-APCT-SAT) SECURED WITH #212 WOOD SCREWS WITH MIN. 2" EMBEDMENT IN WALL FRAMING/BLOCKING AT EACH END OF FIXTURE.
 - N. COMPRESSION STRUT: PROVIDE COMPRESSION STRUT AND (4) SPLAY WIRES THROUGH MAIN RUNNER PER OSA IR 25-2.13 WITHIN 6" OF EACH SUPPORT CLIP. SUPPORT CLIPS TO BE SPACED MAX. 8" O.C. WITHIN 6" OF EACH END. SEE ARCH. DETAILS FOR INSTALLATION REQUIREMENTS.
 - P. INSTALL #10 S.M.S. THROUGH CLIP AND MAIN RUNNER.



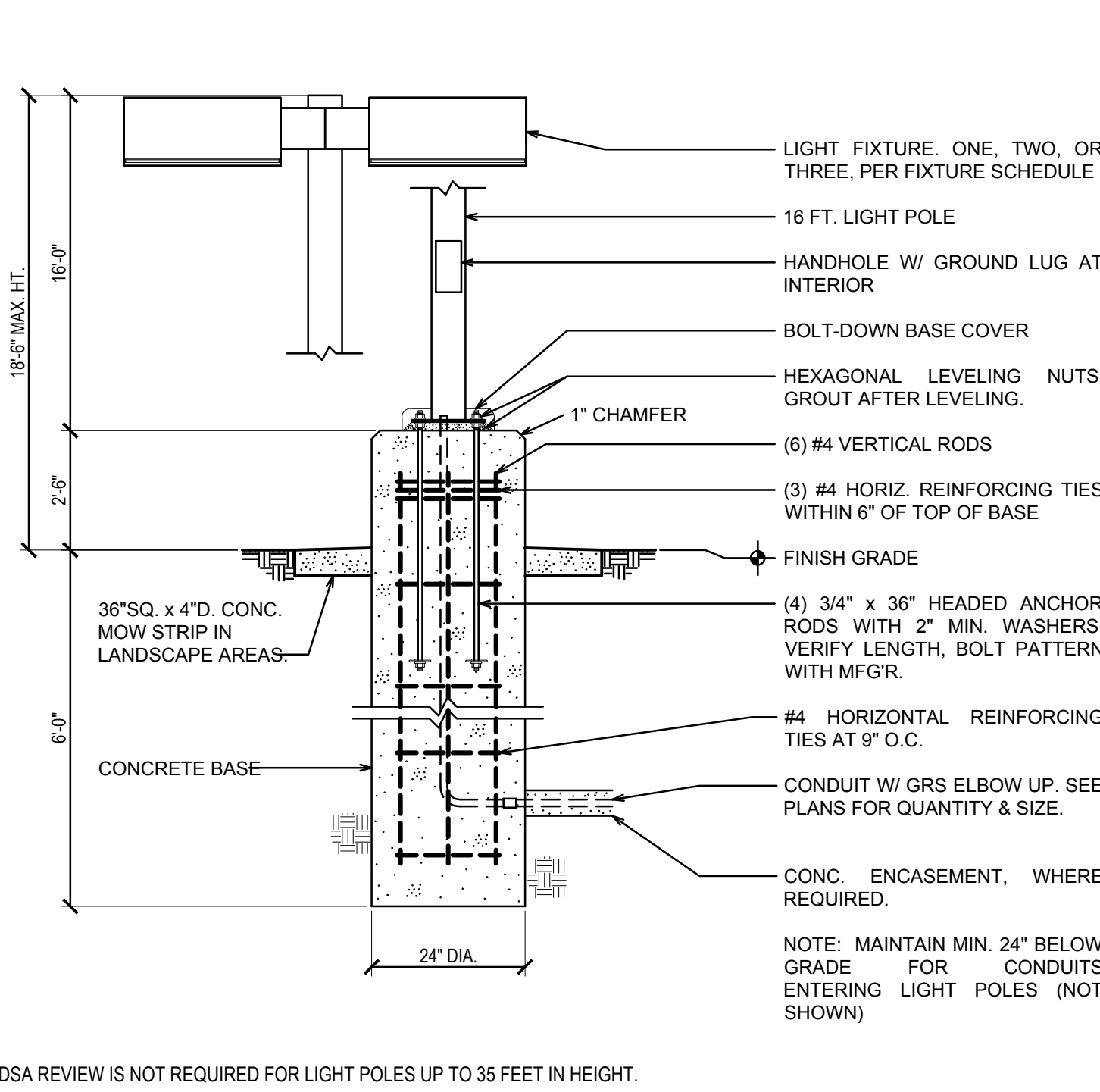
E1 Linear Pendant Fixture Mounting Detail
No Scale



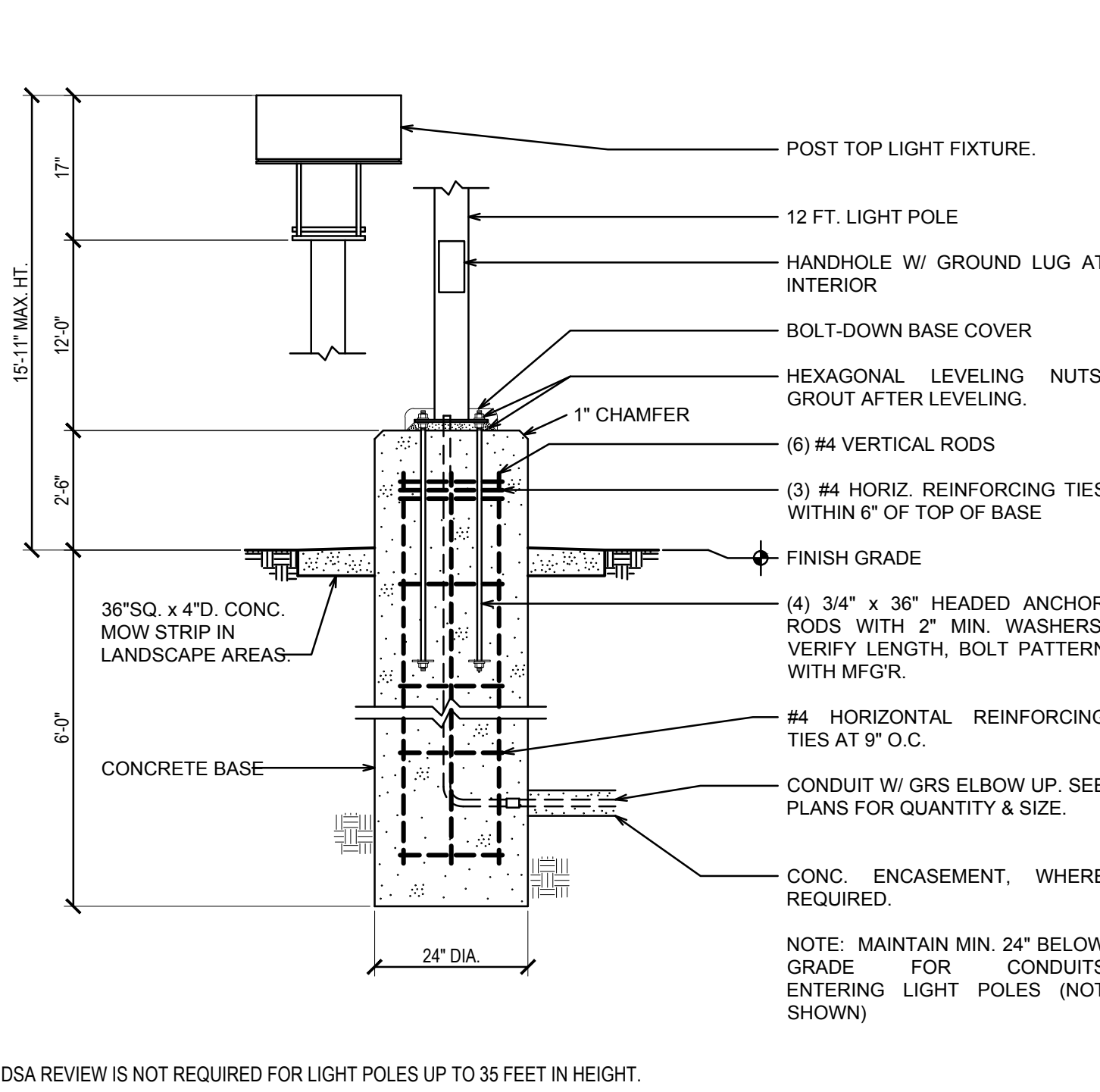
A1 Recessed Downlight Mounting Detail
No Scale

TYPE	MANUFACTURER	CATALOG NO.	SOURCE	WATTS	VOLTAGE	MOUNTING	DETAIL	REMARK
A	LITHONIA	2BLT2 40LHE ADSM E21 LP835 NLTAR2 R10	LED	30.8	120-277	REC GRID	N1/X/E201	NLTAR2
A5	LITHONIA	2BLT2 40LHE ADSM E21 LP835 NLTAR2 RES7PDT	LED	30.8	120-277	REC GRID	N1/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR
ASE	LITHONIA	2BLT2 40LHE ADSM E21 LP835 NLTAR2 RES7PDTM	LED	30.8	120-277	REC GRID	N1/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR / EMERGENCY FIXTURE
B	LITHONIA	2BLT4 60LHE ADSM E21 LP835 NLTAR2 R10	LED	43.6	120-277	REC GRID	N1/X/E201	NLTAR2
BE	LITHONIA	2BLT4 60LHE ADSM E21 LP835 NLTAR2 RES7PDT	LED	43.6	120-277	REC GRID	N1/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR
B5E	LITHONIA	2BLT4 60LHE ADSM E21 LP835 NLTAR2 RES7PDTM	LED	43.6	120-277	REC GRID	N1/X/E201	NLTAR2 / EMERGENCY FIXTURE
C	LUMINAIRE	VPF8 4FT MIN10 NLTAR2 25W 35K MVOLT OP WHT R10	LED	53.3	120-277	SURF CLG	N1/X/E201	NLTAR2
C5E	LUMINAIRE	VPF8 4FT MIN10 NLTAR2 50W 35K MVOLT OP WHT RES7PDTM	LED	53.3	120-277	SURF CLG	N1/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR / EMERGENCY FIXTURE
C2	LUMINAIRE	VPF8 2FT MIN10 NLTAR2 25W 35K MVOLT OP WHT R10	LED	26.6	120-277	SURF CLG	N1/X/E201	NLTAR2
C25E	LUMINAIRE	VPF8 2FT MIN10 NLTAR2 25W 35K MVOLT OP WHT RES7PDTM	LED	26.6	120-277	SURF CLG	N1/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR / EMERGENCY FIXTURE
D4	PRUDENTIAL	BPRO5 LIN LED35 HO HO 4' (C) YBK BTW HCW ADC DC UNV CA96 X3 ECO	LED	84.0	120-277	SUSPENDED	E1/X/E201	
D4E	PRUDENTIAL	BPRO5 LIN LED35 HO HO 4' (C) YBK BTW HCW ADC DC UNV CA96 X3 ECO EMI	LED	84.0	120-277	SUSPENDED	E1/X/E201	EMERGENCY FIXTURE (4-FOOT SECTION)
D8E	PRUDENTIAL	BPRO5 LIN LED35 HO HO 8' (C) YBK BTW HCW ADC DC UNV CA96 X3 ECO EMI	LED	168.0	120-277	SUSPENDED	E1/X/E201	EMERGENCY FIXTURE (4-FOOT SECTION)
D12E	PRUDENTIAL	BPRO5 LIN LED35 HO HO 12' (C) YBK BTW HCW ADC DC UNV CA96 X3 ECO EA	LED	252.0	120-277	SUSPENDED	E1/X/E201	EMERGENCY FIXTURE (4-FOOT SECTION)
D16E	PRUDENTIAL	BPRO5 LIN LED35 HO HO 16' (C) YBK BTW HCW ADC DC UNV CA96 X3 ECO EA	LED	336.0	120-277	SUSPENDED	E1/X/E201	EMERGENCY FIXTURE (4-FOOT SECTION)
D20	PRUDENTIAL	BPRO5 LIN LED35 HO HO 20' (C) YBK BTW HCW ADC DC UNV CA96 X3 ECO	LED	420.0	120-277	SUSPENDED	E1/X/E201	
D20E	PRUDENTIAL	BPRO5 LIN LED35 HO HO 20' (C) YBK BTW HCW ADC DC UNV CA96 X3 ECO EM	LED	420.0	120-277	SUSPENDED	E1/X/E201	EMERGENCY FIXTURE (4-FOOT SECTION)
F	LITHONIA	ZL10 L48 5000LM FST MVOLT 35K 80CRI WH HC36	LED	41.0	120-277	CHAIN	MFGR	<20 LBS.
FE	LITHONIA	ZL10 L48 5000LM FST MVOLT 35K 80CRI WH HC36	LED	41.0	120-277	CHAIN	MFGR	<20 LBS. / EMERGENCY FIXTURE
G	LITHONIA	TYPE 'C2' FIXTURE MOUNTED HORIZONTALLY ON WALL ABOVE DOOR	LED	26.6	120-277	WALL	N5/X/E201	
H4	GOTHAM	EVO4 36/18 AR MD LSS MVOLT G21	LED	13.7	120-277	RECESSED	A1/X/E201	
H6	GOTHAM	EVO6 36/30 AR MD LSS MVOLT G21	LED	29.5	120-277	RECESSED	A1/X/E201	
J	LITHONIA	2BLT2 40LHE ADSM E21 LP835 NLTAR2 R10 2X25MK5HP PAF	LED	30.8	120-277	SURF CLG	N5/X/E201	NLTAR2
J5E	LITHONIA	2BLT2 40LHE ADSM E21 LP835 NLTAR2 RES7PDTM 2X25MK5HP PAF	LED	30.8	120-277	SURF CLG	N5/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR / EMERGENCY FIXTURE
K	LUMINAIRE	VPF12 4FT MIN10 NLTAR2 25W 35K MVOLT OP WHT R10	LED	82.0	120-277	SURF CLG	N5/X/E201	NLTAR2
K5	LUMINAIRE	VPF12 4FT MIN10 NLTAR2 50W 35K MVOLT OP WHT RES7PDTM	LED	82.0	120-277	SURF CLG	N5/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR
K5E	LUMINAIRE	VPF12 4FT MIN10 NLTAR2 50W 35K MVOLT OP WHT RES7PDTM	LED	82.0	120-277	SURF CLG	N5/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR / EMERGENCY FIXTURE
L	LITHONIA	EPANL 2X4 6800LMHE 80CRI 35K MIN10 E2T MVOLT NLTAR2 R10	LED	48.0	120-277	RECESSED	N1/X/E201	NLTAR2
LS	LITHONIA	EPANL 2X4 6800LMHE 80CRI 35K MIN10 E2T MVOLT NLTAR2 RES7PDT	LED	48.0	120-277	RECESSED	N1/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR
L5E	LITHONIA	EPANL 2X4 6800LMHE 80CRI 35K MIN10 E2T MVOLT NLTAR2 RES7PDTM	LED	48.0	120-277	RECESSED	N1/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR / EMERGENCY FIXTURE
L2	LITHONIA	EPANL 2X2 3400LMHE 80CRI 35K MIN10 E2T MVOLT NLTAR2 R10	LED	27.0	120-277	RECESSED	N1/X/E201	NLTAR2
L25E	LITHONIA	EPANL 2X2 3400LMHE 80CRI 35K MIN10 E2T MVOLT NLTAR2 RES7PDTM	LED	27.0	120-277	RECESSED	N1/X/E201	NLTAR2 / INTEGRAL OCC/ DL SENSOR / EMERGENCY FIXTURE
M	OCL	SE2 P15A 48 MW (C) LED2 35K UNV DM1	LED	90.0	120-277	SUSPENDED	E1/X/E202	
N6	GOTHAM	EVO6C 36/18 AR MD LSS MVOLT E21 SGB CCAN45 C120 90CRI (C)	LED	14.7	120-277	SUSPENDED	A1/X/E201	<20 LBS.
P1	LITHONIA	EVO6R 40/18 AR MD PCL MVOLT E21 D NA	LED	14.7	120-277	RECESSED	A1/X/E201	<20 LBS.
P1E	LITHONIA	EVO6R 40/18 AR MD PCL MVOLT E21 D NA	LED	14.7	120-277	RECESSED	A1/X/E201	<20 LBS. / EMERGENCY FIXTURE
P2	LUMINAIRE	VPF4 2FT MIN1 20W 40K MVOLT OP (C) WL	LED	21.0	120-277	SURFACE	MFGR	<20 LBS.
P2E	LUMINAIRE	VPF4 2FT MIN1 20W 40K MVOLT OP (C) WL	LED	21.0	120-277	SURFACE	MFGR	<20 LBS. / EMERGENCY FIXTURE
P3	LITHONIA	WDGE2 LED P2 40K 80CRI T3M MVOLT (C)	LED	19.0	120-277	WALL	MFGR	<20 LBS.
P3E	LITHONIA	WDGE2 LED P2 40K 80CRI T3M MVOLT (C)	LED	19.0	120-277	WALL	MFGR	<20 LBS. / EMERGENCY FIXTURE
S4	LITHONIA	LVP58 LPL MIN1 10W 40K MVOLT CLP BR2 WL PH5C	LED	10.0	120-277	WALL	MFGR	<20 LBS.
P4	LITHONIA	DSX1 LED P7 14M MVOLT RPA PIRH 5F (C) / 25' RSS POLE	LED	183.0	277	25' POLE	A10/X/E201	
S5	LITHONIA	RADPT LED P4 40K 5VM MVOLT PT4 PIR 5F (C) / 12' RSS POLE	LED	86.0	277	12' POLE	A14/X/E201	
X	LUMINAIRE	TELE'S	LED	1.0	120-277	UNIVERSAL	MFGR	<20 LBS. / EMERGENCY FIXTURE *SEE PLANS FOR 1 OR 2 PAGES.
XN	BEGHELLI	TS1 L G 10 6RY U	N/A	N/A	N/A	UNIVERSAL	MFGR	<20 LBS. / SELF LUMINOUS TRITIUM EMERGENCY FIXTURE

F10 Light Fixture Schedule
No Scale



A10 Parking Area Light Pole Detail
No Scale



A14 Pedestrian Light Pole Detail
No Scale

DSA File No.: 10-48
DSA Application No.: 02-120543
Agency Approval

LIGHTING GENERAL NOTES

- THE CONTRACTOR SHALL INSTALL A COMPLETE AND OPERATIONAL LIGHTING SYSTEM FULLY CONFORMING WITH THE CALIFORNIA ENERGY COMMISSION'S TITLE 24 REQUIREMENTS.
- THE SPECIFIED LIGHTING COMPONENTS ARE PARTS OF A DIGITAL, WIRELESS, PROGRAMMABLE SYSTEM BASED ON THE LITHONIA iLIGHT AIR PRODUCT LINE.
- THE SYSTEM IS CONTROLLED AND PROGRAMMED THROUGH AN iLIGHT ECLYPSE GATEWAY LOCATED IN EACH BUILDING. THE GATEWAY REQUIRES A 120V OUTLET AND DATA OUTLET AT THE ELECTRONICS BACKBOARD. THE GATEWAY CONNECTS TO THE OWNER'S LAN WITH A CAT 6 CABLE.
- EACH FIXTURE AND CONTROL DEVICE REQUIRES LINE VOLTAGE, UNSWITCHED POWER, AND HAS A BUILT-IN, WIRELESS CONNECTIVITY.
- SOME FIXTURES SUCH AS DOWNLIGHTS AND SIGNAGE ARE WIRED TO AND CONTROLLED BY AN iLIGHT AIR POWER PACK WITH DIMMING CAPABILITY. POWER PACKS REQUIRE LINE VOLTAGE, UNSWITCHED POWER. VERIFY THE DIMMING PROTOCOL OF DIMMING FIXTURES AND ORDER THE APPROPRIATE POWER PACK.
- EMERGENCY FIXTURES AND POWER PACKS REQUIRE BOTH A CONNECTION TO THE INVERTER EMERGENCY LIGHTING CIRCUIT AND A LOCAL NORMAL LIGHTING CIRCUIT. UPON LOSS OF THE NORMAL CIRCUIT, THE FIXTURE TURNS ON AND RAMP UP TO 100% LIGHT OUTPUT.
- THE PLANS GENERALLY SHOW THE LOCATION OF SWITCHES, SENSORS, CONTROL MODULES ETC. ACTUAL LOCATIONS AND INSTALLATION REQUIREMENTS SHALL BE COORDINATED WITH THE MANUFACTURER'S SHOP DRAWINGS.
- LIGHTING FIXTURE COLORS, WHEN NOT SPECIFIED, SHALL BE SELECTED BY THE ARCHITECTS OFFICE. DO NOT SUBMIT COLORS THAT HAVE NOT BEEN SELECTED OR APPROVED BY THE ARCHITECT.
- THE CONTRACTOR SHALL FURNISH SYSTEM PROGRAMMING BY FACTORY PERSONNEL OR THE FACTORY'S APPROVED THIRD PARTY VENDOR TO ENSURE COMPLIANCE WITH THE REQUIREMENTS OF TITLE 24. THE CONTRACTOR SHALL NOT ATTEMPT PROGRAMMING UNLESS SPECIFICALLY AUTHORIZED BY THE FACTORY.
- SUBMIT COMPLETE LIGHTING CONTROL SHOP DRAWINGS FURNISHED BY THE FACTORY TO THE ENGINEER FOR REVIEW.
- A SUBSTITUTE LIGHTING FIXTURES AND CONTROLS PACKAGE FROM ANOTHER MANUFACTURER MAY BE ACCEPTABLE. THE SUBSTITUTE PACKAGE SHALL BE EQUAL OR GREATER IN ALL RESPECTS TO THE SPECIFIED PACKAGE. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL REQUIRED COMPONENTS, ADDITIONAL WIRING FOR DIMMING OPERATION OF LIGHT FIXTURES, AND ANYTHING ELSE NEEDED FOR A COMPLETE AND OPERATIONAL SYSTEM. A SUBSTITUTE PACKAGE SHALL IN NO WAY INCUR COSTS TO THE OWNER. SUBMIT SUBSTITUTE PACKAGE, INCLUDING SHOP DRAWINGS, TO ENGINEER FOR REVIEW AND APPROVAL. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN REJECTION OF SUBSTITUTE COMPONENTS.
- CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS AFTER INSTALLATION AND BEFORE PROJECT COMPLETION.
- LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN ("ATT"). A LISTING OF CERTIFIED ATTS CAN BE FOUND AT [HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM](https://www.energy.ca.gov/programs-and-topics/programs/acceptance-test-technician-certification-provider-program). ACCEPTANCE TESTING PROCEDURES MUST BE CORRECTED BY THE BUILDING OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION INSTALLATION OF THE LIGHTING SYSTEM CONFORMS AND PASSES THE REQUIRED ACCEPTANCE CRITERIA.

General Notes

Hardin-Davidson Engineering
356 Polasky Ave., Suite 200, Clovis, CA 93612
559.323.4995 tel • 559.323.4928 fax
www.hardin-davidson.com
Consultant

McKinley/Fowler Elementary School
Clovis Unified School District
Fresno, CA 93727
Project

Lighting Systems
Fixture Schedule, Details
Drawing

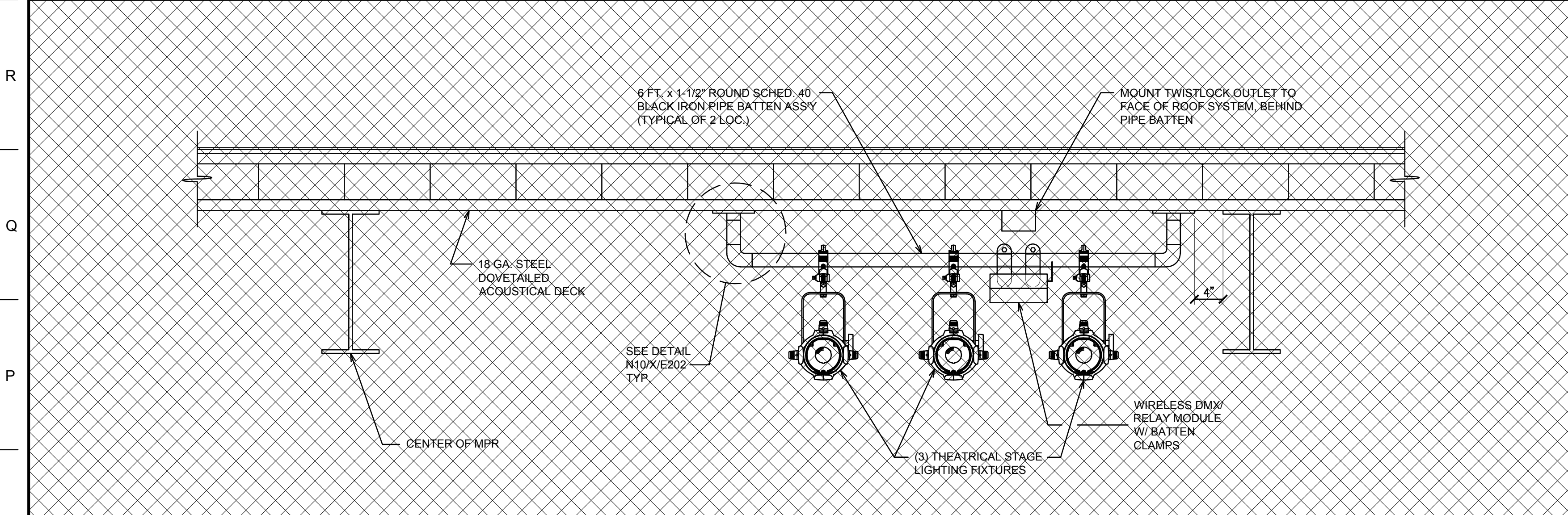
darden architects ARCHITECTURE PLANNING INTERIORS
www.dardenarchitects.com
6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
Architect

No.	Revision/Submission	Date
3	Addendum No. 03	01/25/23

Revision
Designed By: SD Copyright 2022 Darden Architects

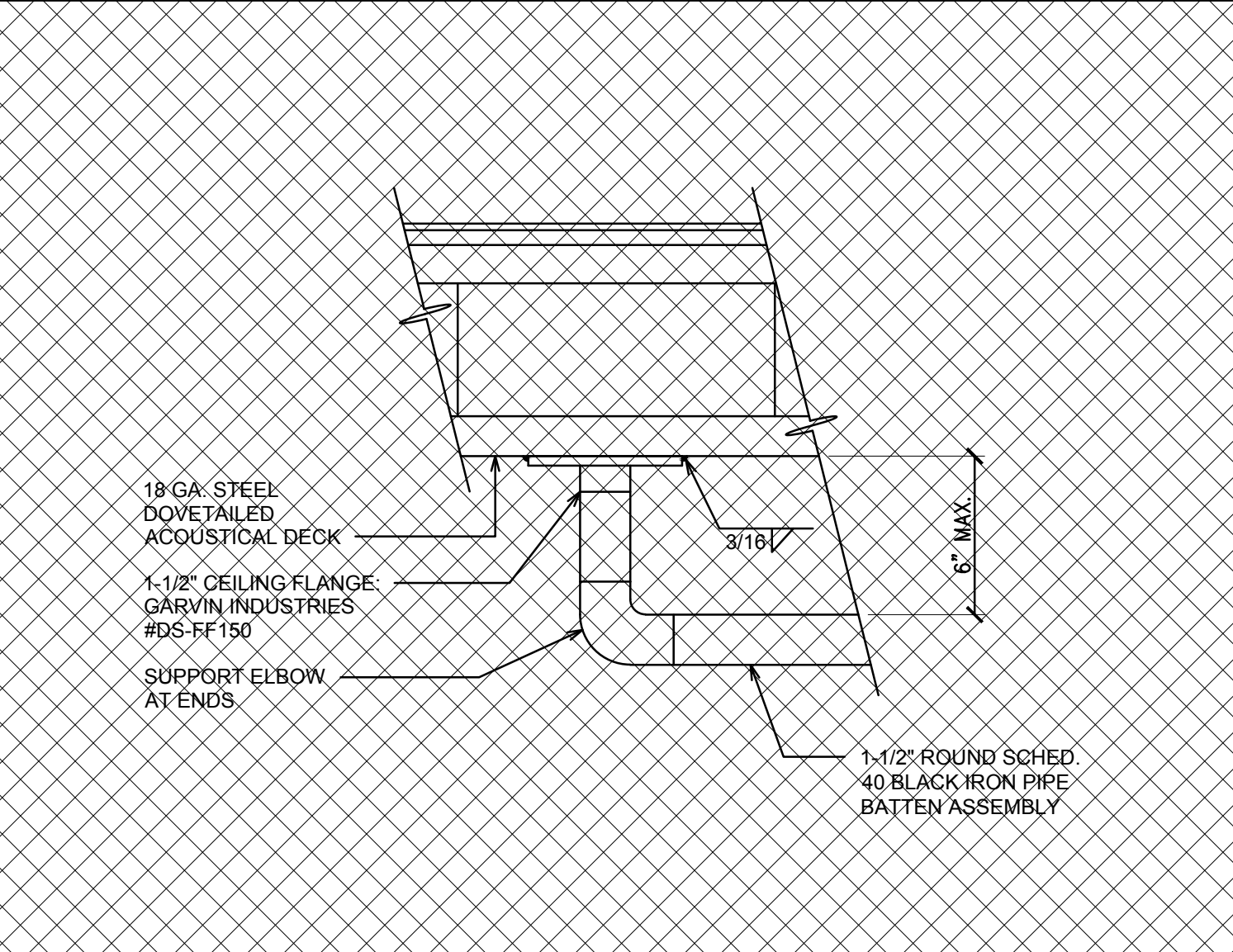
Scale: As indicated Drawn By: HDE
Project Number: 2116 Checked By: SD
Date: 09/19/2022 Reviewed By: SD Sheet: _____ of: _____

X/E201



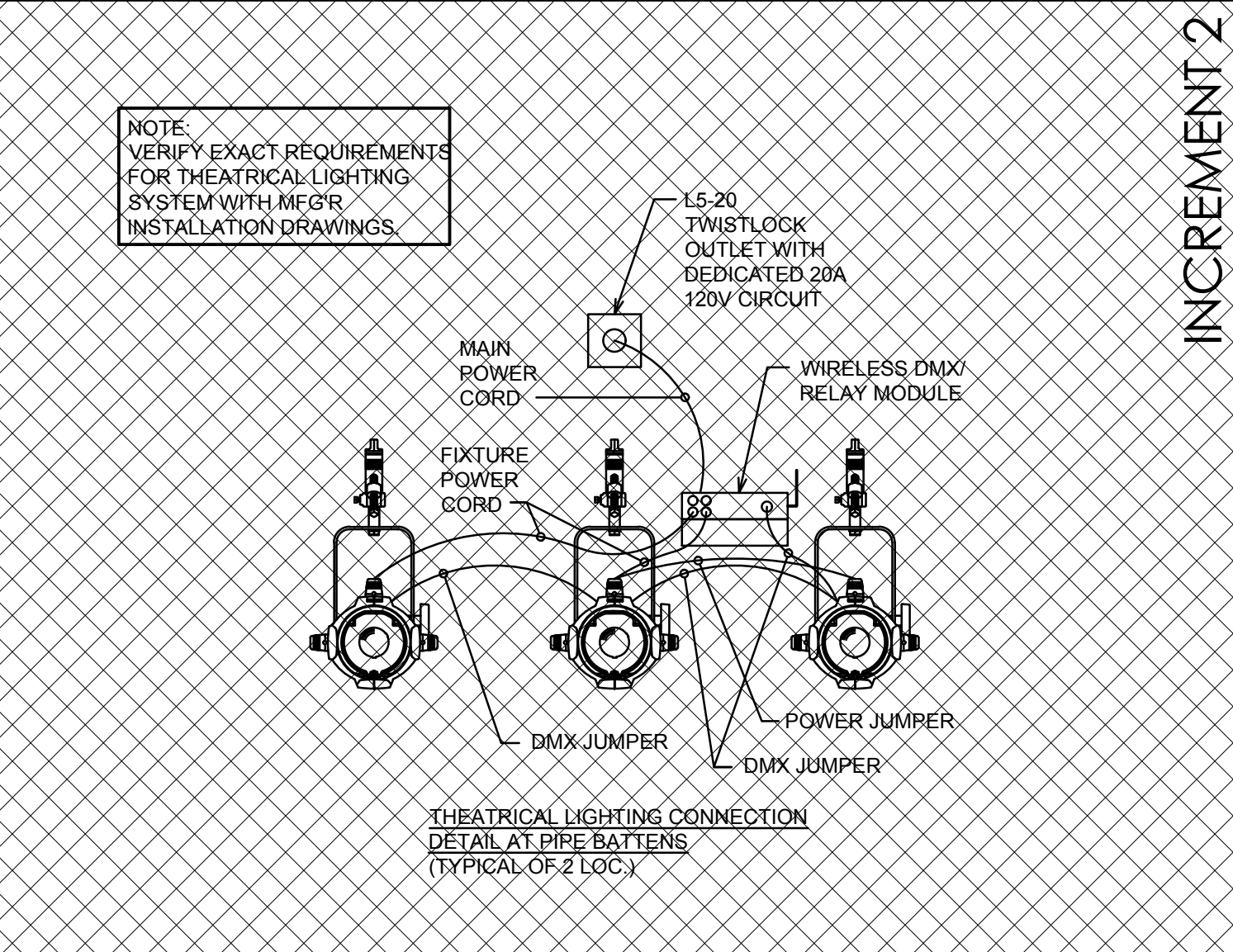
N1 Theatrical Lighting Pipe Batten Detail (2) Locations

No Scale



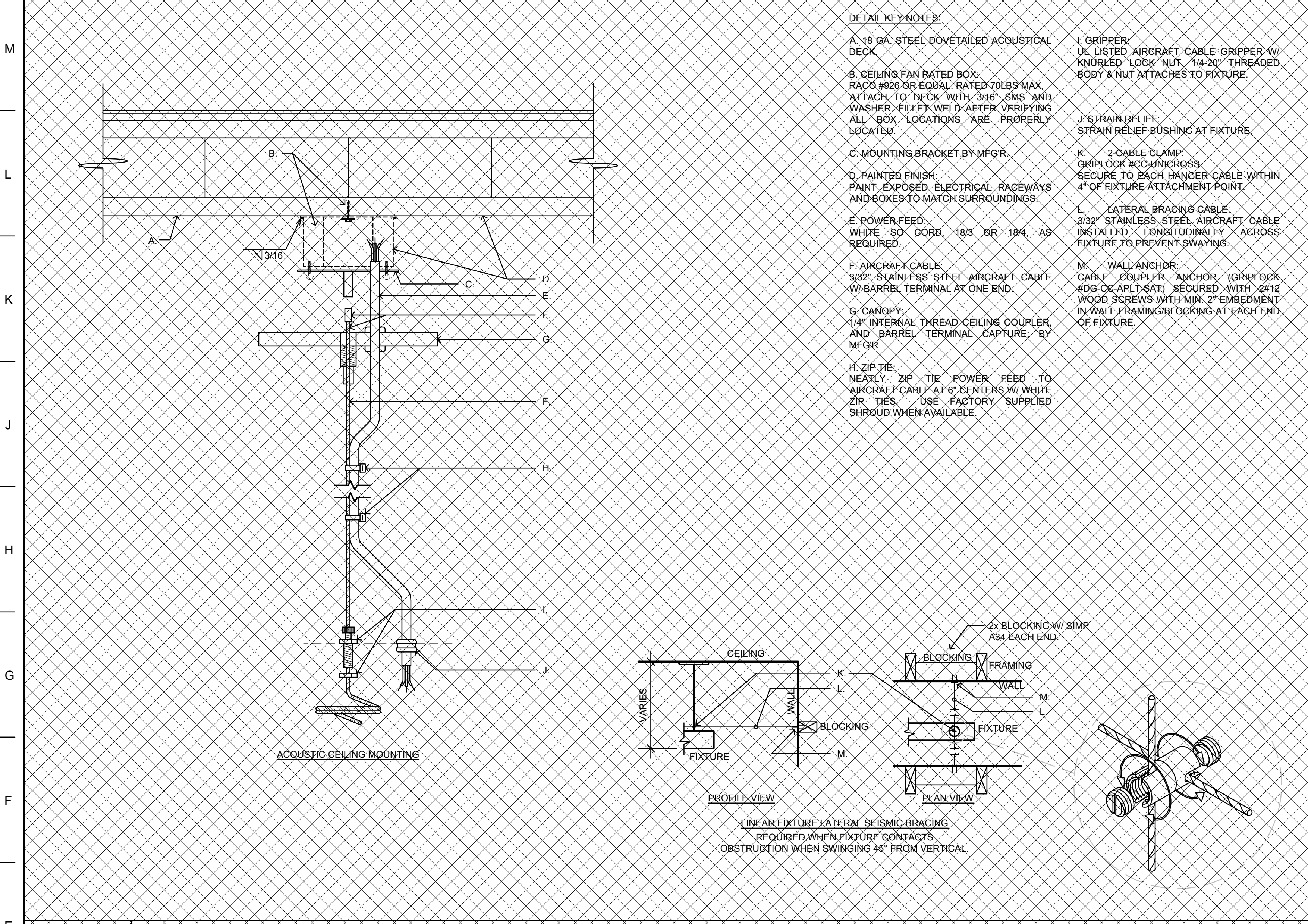
N10 Pipe Batten Attachment Detail

No Scale



N14 Theatrical Fixture Connection Detail

No Scale



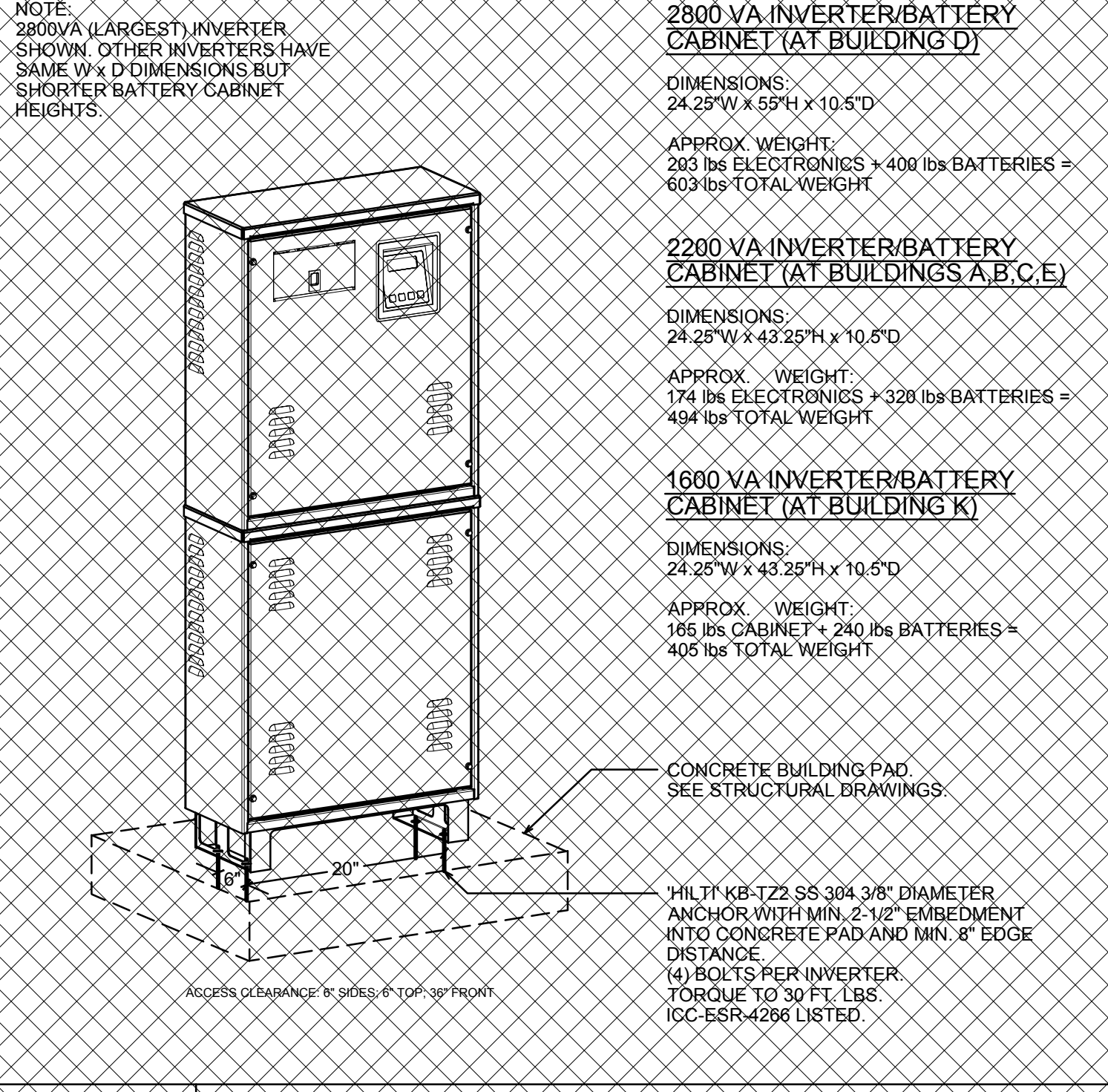
E1 Square Pendant Fixture Mounting Detail

No Scale



N10 Pipe Batten Attachment Detail

No Scale



H14 Emergency Lighting Inverter Floor Mounting Detail

No Scale

TYPE OF SPACE	MANUAL ON/OFF/OVERRIDE	DIMMING SWITCH	AUTOMATIC DAYLIGHT DIMMING WHEN AVAILABLE	OCCUPANCY SENSOR ON	OCCUPANCY SENSOR OFF AFTER 20 MIN	OCCUPANCY SENSOR OFF AFTER 30 MIN	GATEWAY OPEN HOURS SCHEDULE ON	GATEWAY CLOSED & HOLIDAY HOURS SCHEDULE OFF	GATEWAY SHADOWS SWITCHES DURING OPEN HOURS	COLOR TOUCHSCREEN WITH AT LEAST 4 SCENES	CONTROLLED POWER RECEPTACLES	DEMAND RESPONSE CAPABLE	ASTRONOMIC TIMELOCK ON/OFF	ASTRONOMIC TIMELOCK DIMMING	ASTRONOMIC TIMELOCK AB RELAYS
ENTRY / LOBBY	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CORRIDOR	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OFFICE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CLASSROOM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CONFERENCE ROOM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MULTI-PURPOSE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
GYMNASIUM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CAFETERIA	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KITCHEN	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
KITCHENETTES IN OFFICES	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
COPY ROOMS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LARGE RESTROOM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STAIRWELLS	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
STORAGE <100 S.F.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ELECTRICAL ROOM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
OTHER	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
BUILDING >10,000 S.F.													X	X	X
BUILDING EXTERIOR													X	X	X
PEDESTRIAN WALKS													X	X	X
PARKING LOT													X	X	X

A14 Lighting Control Matrix

No Scale

DSA File No.: 10-48
 DSA Application No.: 02-120543
 Agency Approval

INCREMENT 2

N1 Theatrical Lighting Pipe Batten Detail (2) Locations

N10 Pipe Batten Attachment Detail

N14 Theatrical Fixture Connection Detail

H14 Emergency Lighting Inverter Floor Mounting Detail

E1 Square Pendant Fixture Mounting Detail

A14 Lighting Control Matrix

No Scale

General Notes

Hardin-Davidson Engineering
 356 Pollasky Ave., Suite 200, Clovis, CA 93612
 559.323.4995 tel • 559.323.4928 fax
 www.hardin-davidson.com

McKinley/Fowler Elementary School
 Clovis Unified School District
 Fresno, CA 93727

Lighting Systems
 Details

ARCHITECTURE
 PLANNING
 INTERIORS
 www.dardenarchitects.com

No. Revision/Submission Date
 3 Addendum No. 03 01/25/23

Designed By: SD Copyright 2022 Darden Architects

Scale: As indicated Drawn By: HDE

Project Number: 2116 Checked By: SD

Date: 09/19/2022 Reviewed By: SD Sheet: _____ of: _____

Revision

X/E202

Architect

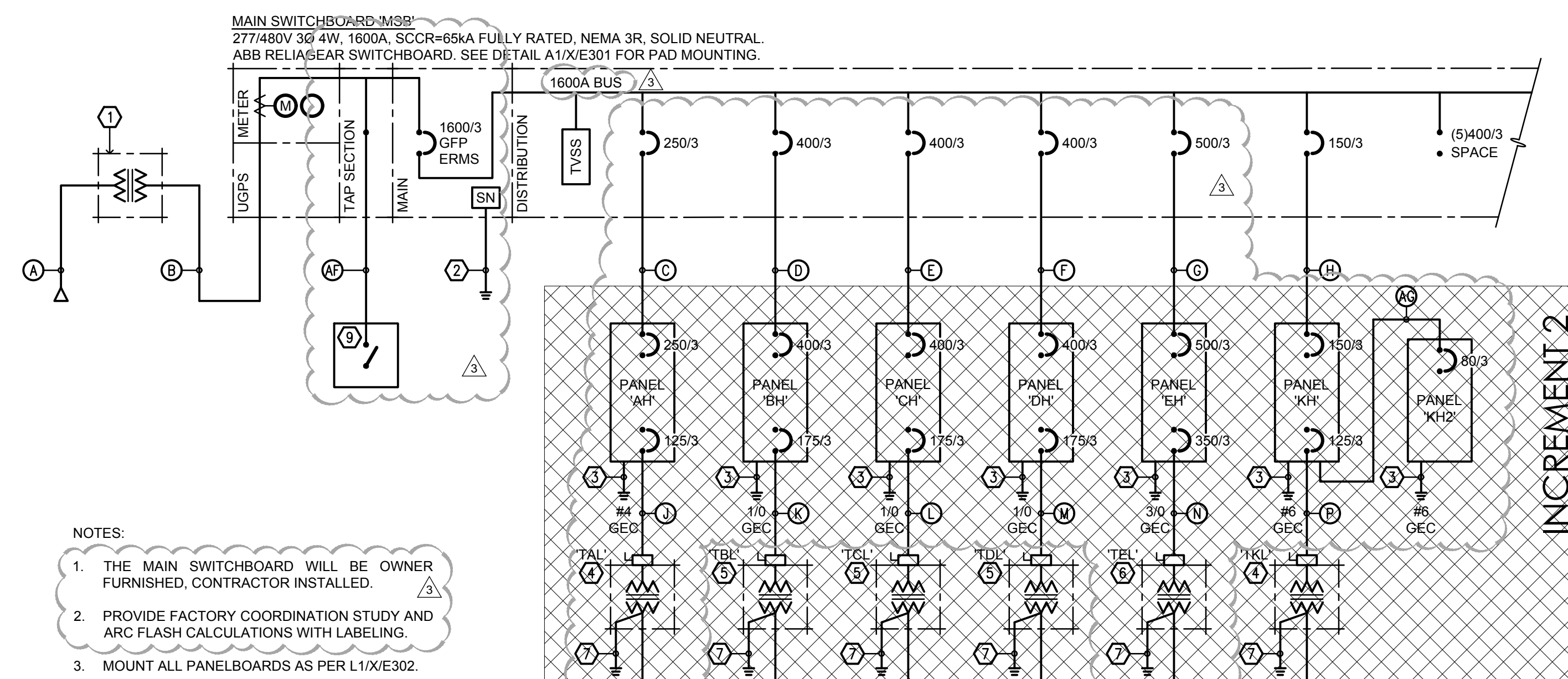
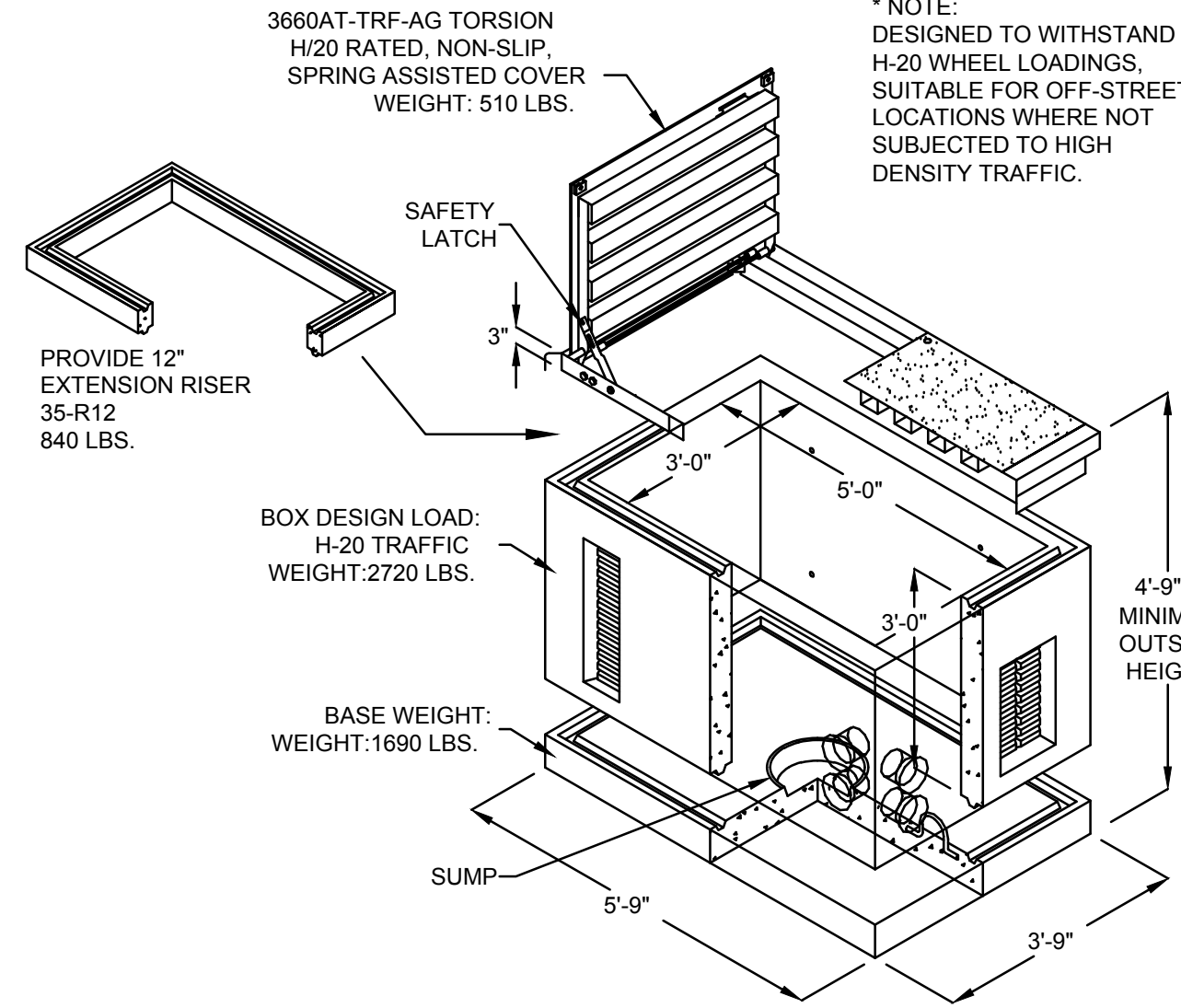
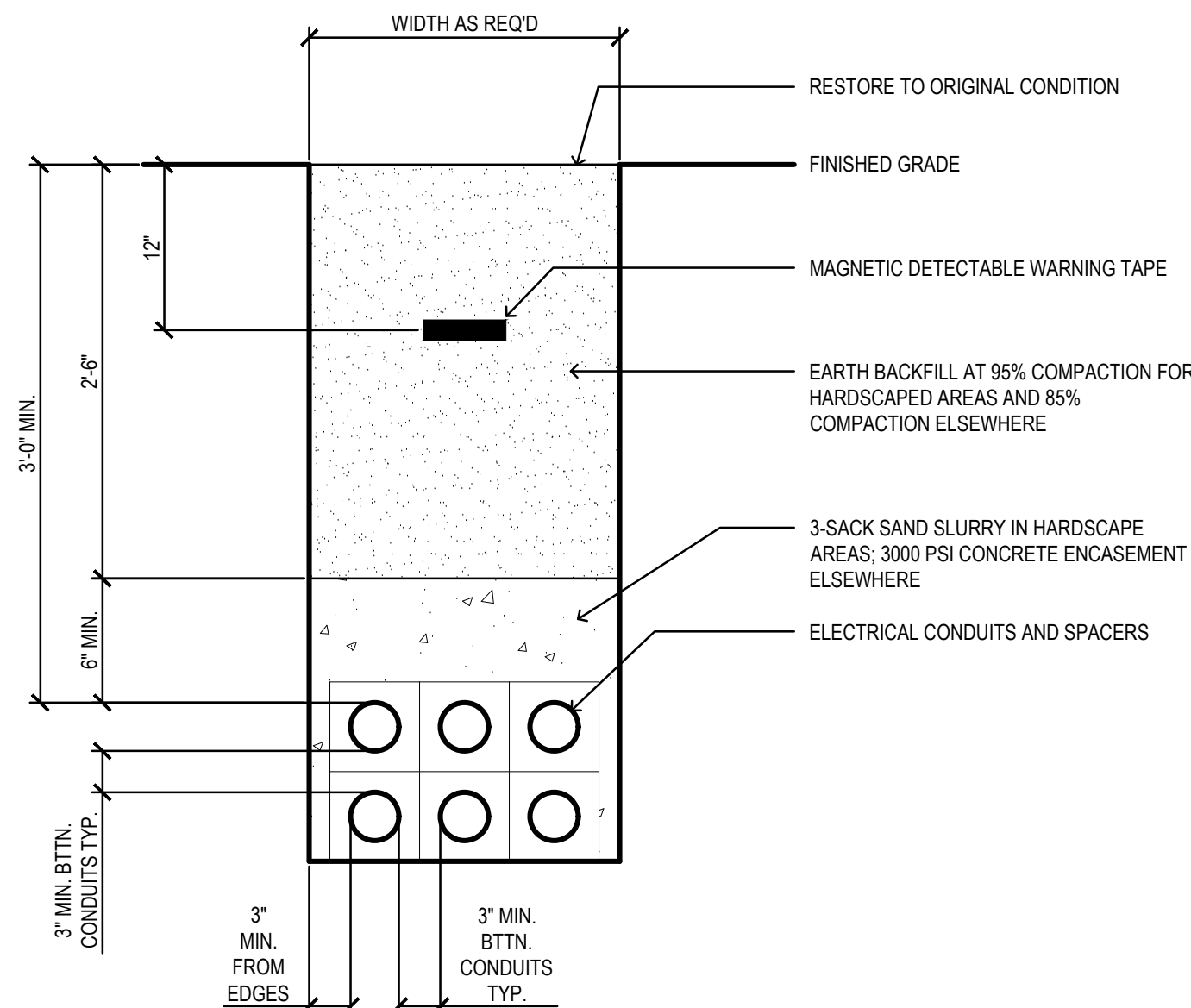
Architect

Architect

Architect

Architect

Architect



- NOTES:
1. THE MAIN SWITCHBOARD WILL BE OWNER FURNISHED, CONTRACTOR INSTALLED.
 2. PROVIDE FACTORY COORDINATION STUDY AND ARC FLASH CALCULATIONS WITH LABELING.
 3. MOUNT ALL PANELBOARDS AS PER L11X/E302.

DSA File No.: 10-48

DSA Application No.: 02-120543

Agency Approval

KEYNOTES

1. PROPOSED PG&E UTILITY TRANSFORMER. PROVIDE CONCRETE PAD PER PG&E RULE 16. TRANSFORMER INSTALLED BY PG&E.
2. GROUNDING ELECTRODE CONDUCTORS PER DETAIL A61X/E301.
3. GROUNDING ELECTRODE CONDUCTORS PER DETAIL A10X/E301.
4. 75KVA TRANSFORMER: ABB 9T14C1004G63. 480/208/120V 3Ø 4W. 80°C RISE. K-4 RATED. 31.8\"/>
- 5. 112.5KVA TRANSFORMER: ABB 9T14C1005G63. 480/208/120V 3Ø 4W. 80°C RISE. K-4 RATED. 34.8\"/>
- 6. 225KVA TRANSFORMER: ABB 9T14C1007G63. 480/208/120V 3Ø 4W. 80°C RISE. K-4 RATED. 38.8\"/>
- 7. TRANSFORMER GROUNDING ELECTRODE CONDUCTOR PER DETAIL A14X/E301. BOND TO GROUND TERMINAL.
- 8. 15KVA MINI UNIT SUBSTATION: ABB 9T21S11150. 480/240/120V 1Ø 3Ø. 115°C RISE. 12.6\"/>
- 9. VERIFIABLE PV DISCONNECT SWITCH, PAD MOUNTED PER A1X/E301. 277/480V, 1000A, 4-POLE.

FEEDERS

- | | |
|---------------------|----------------------|
| A. 4\"/> | W. 1-1/2\"/> |
| B. (5) 5\"/> | X. 1-1/4\"/> |
| C. 3\"/> | Y. 1-1/4\"/> |
| D. 4\"/> | Z. 1-1/4\"/> |
| E. 4\"/> | AA. 1-1/2\"/> |
| F. 4\"/> | AB. 1-1/4\"/> |
| G. (2) SETS - 3\"/> | AC. 3\"/> |
| H. 3\"/> | AD. 4\"/> |
| J. 1-1/4\"/> | AE. 1-1/4\"/> |
| K. 3\"/> | AF. (3) SETS - 3\"/> |
| L. 3\"/> | AG. 1-1/4\"/> |
| M. 3\"/> | AH. 2\"/> |
| N. 3\"/> | AI. 2\"/> |
| P. 1-1/4\"/> | AJ. 3\"/> |
| Q. 3\"/> | AK. 3\"/> |
| R. 4\"/> | AL. 3\"/> |
| S. 4\"/> | AM. 3\"/> |
| T. 4\"/> | AN. 1\"/> |
| U. (2) SETS - 4\"/> | AO. 1\"/> |
| V. 3\"/> | AP. 4\"/> |

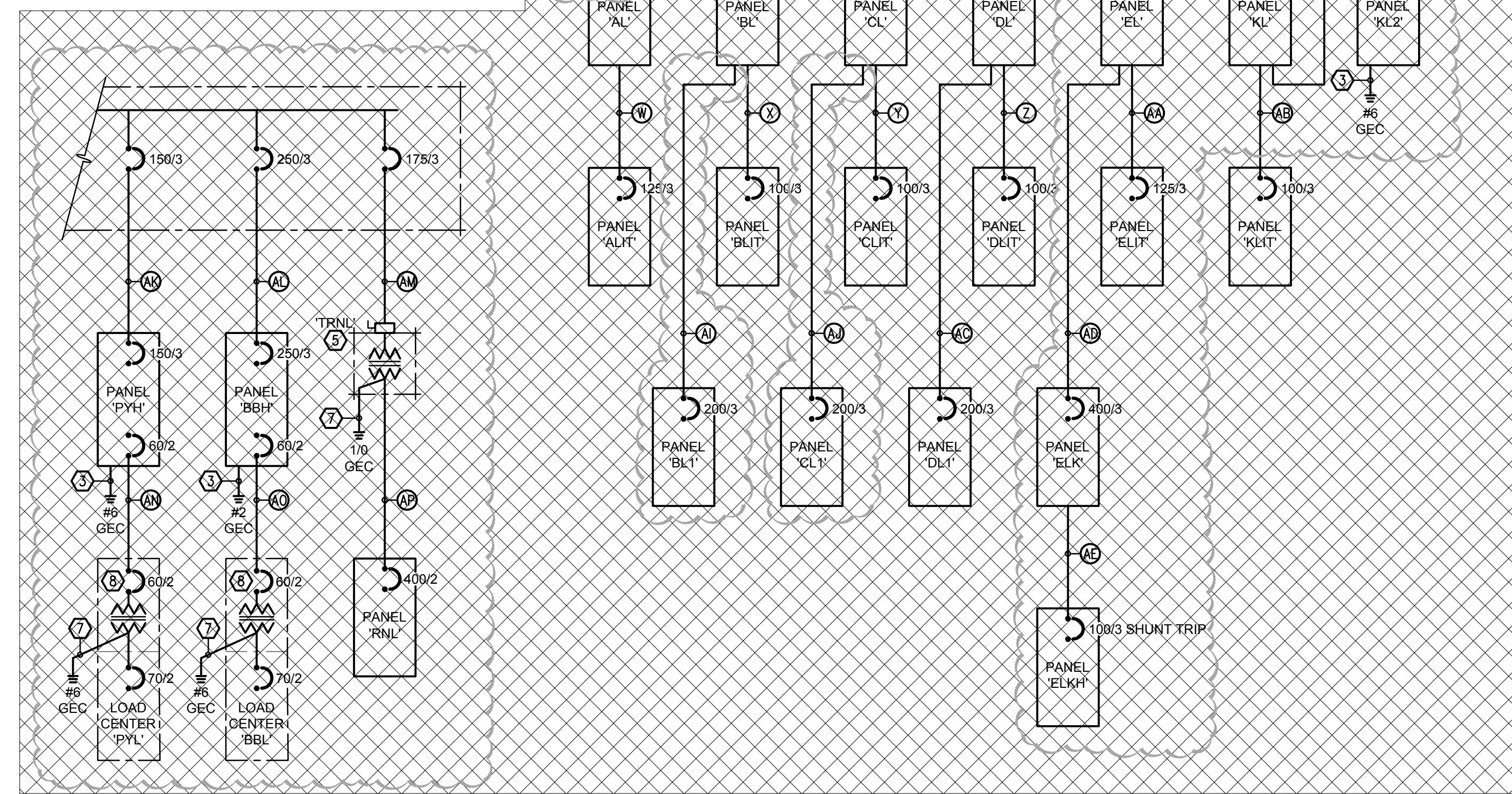
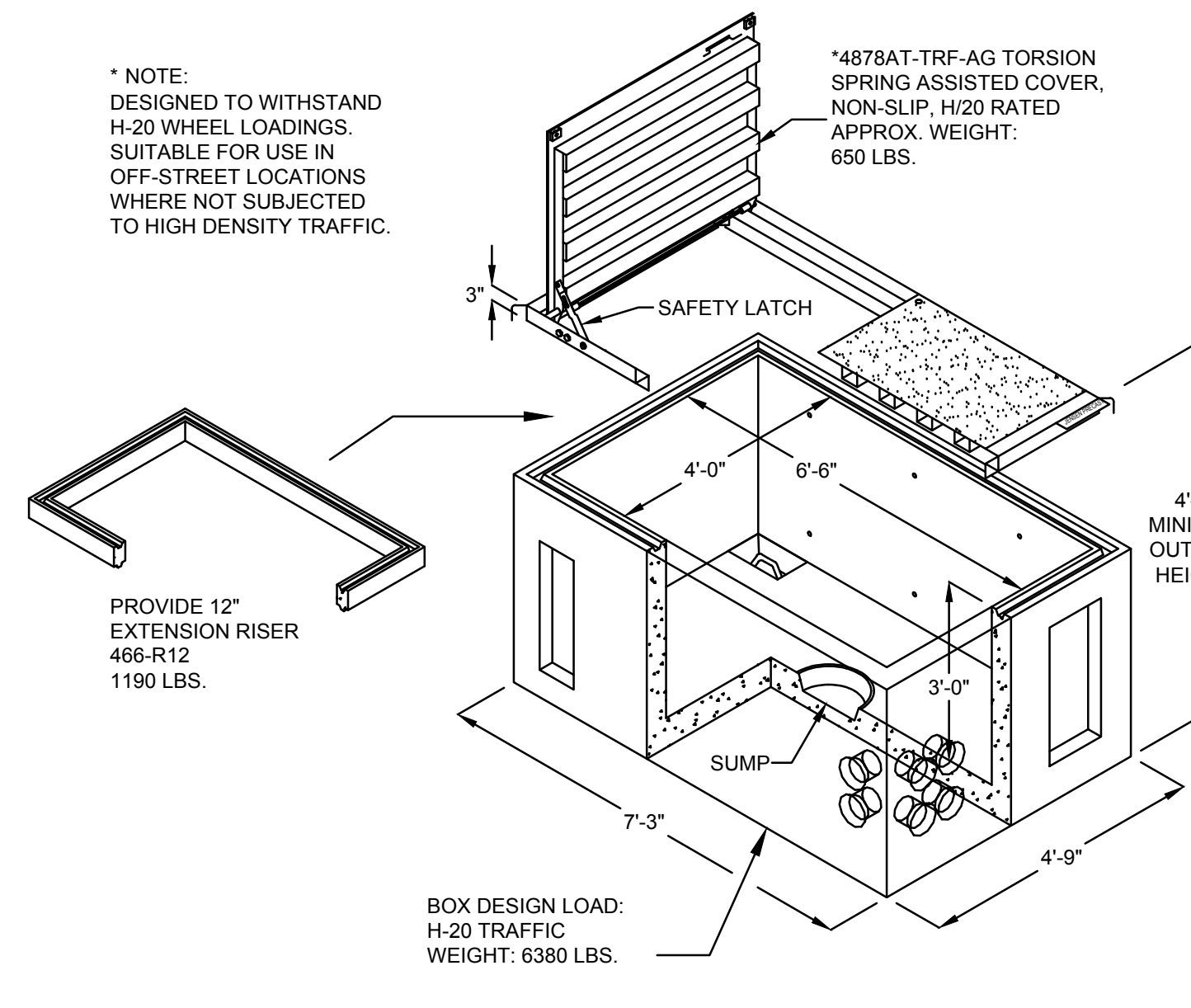
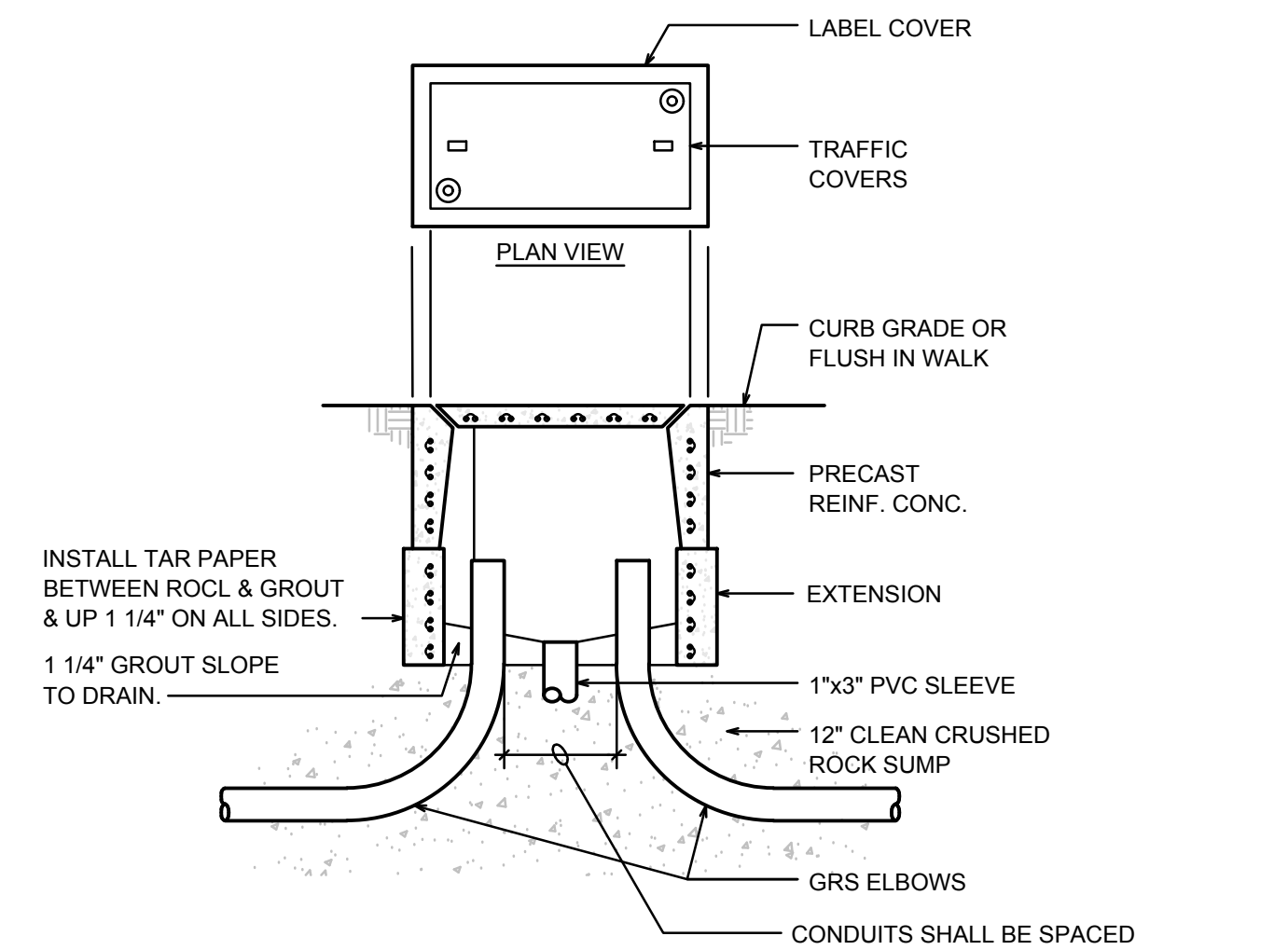
M1 Trench Detail

M6 3' x 5' Vault Detail

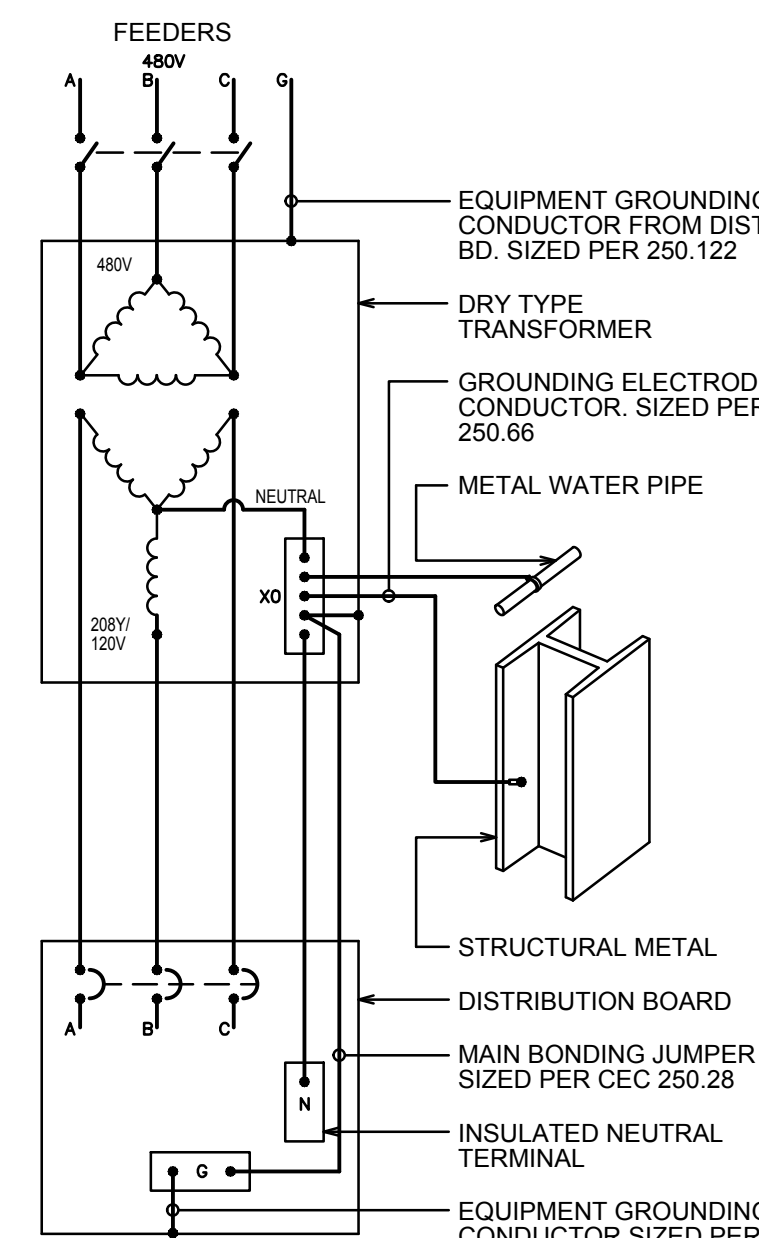
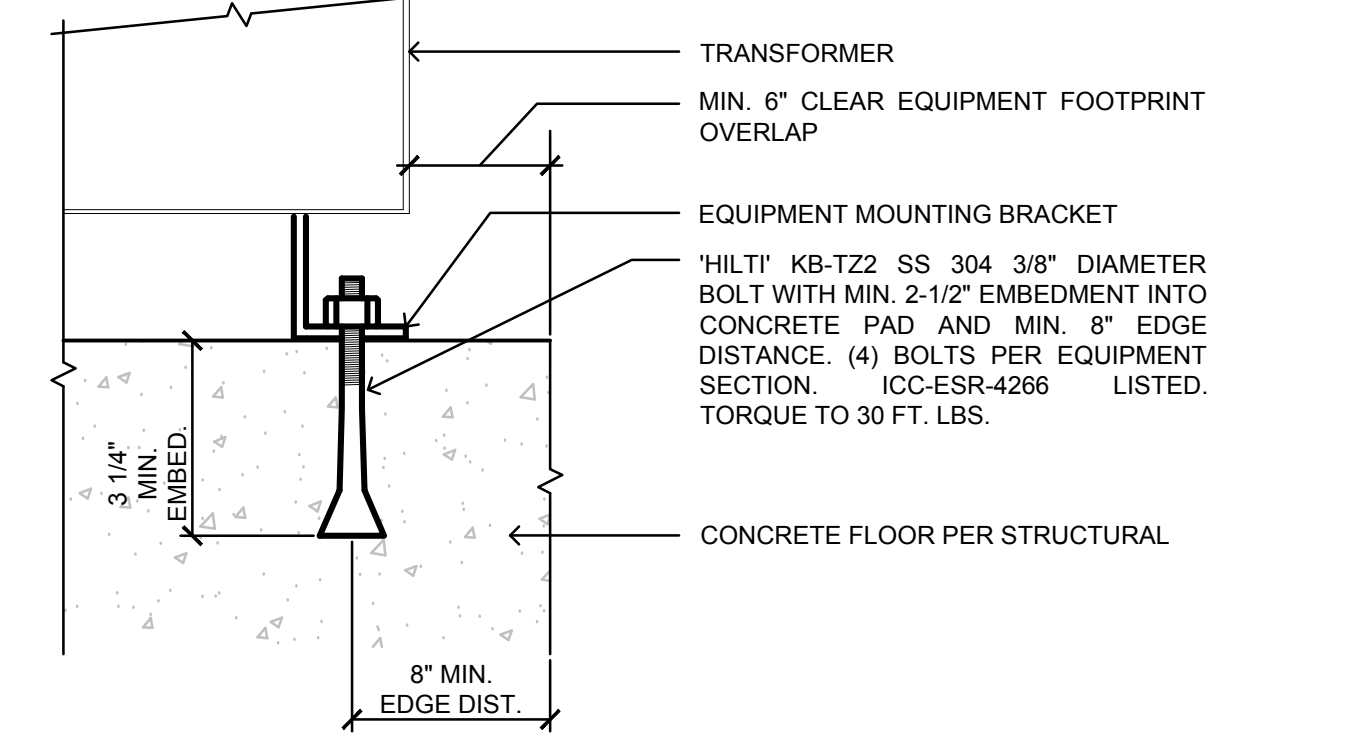
G10 Power Single Line Diagram

G1 Pullbox Detail

G6 4' x 6'-6\"/>

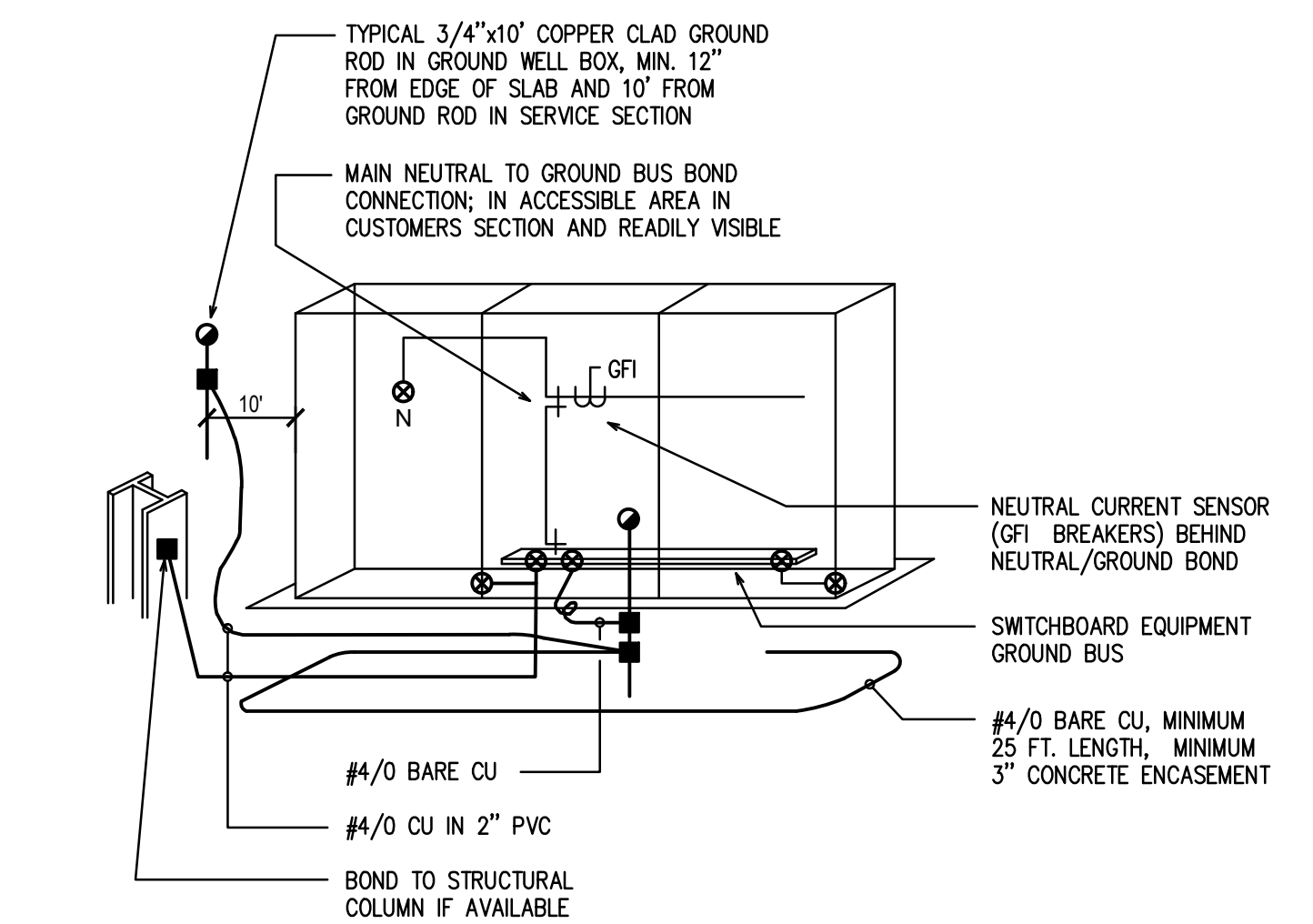
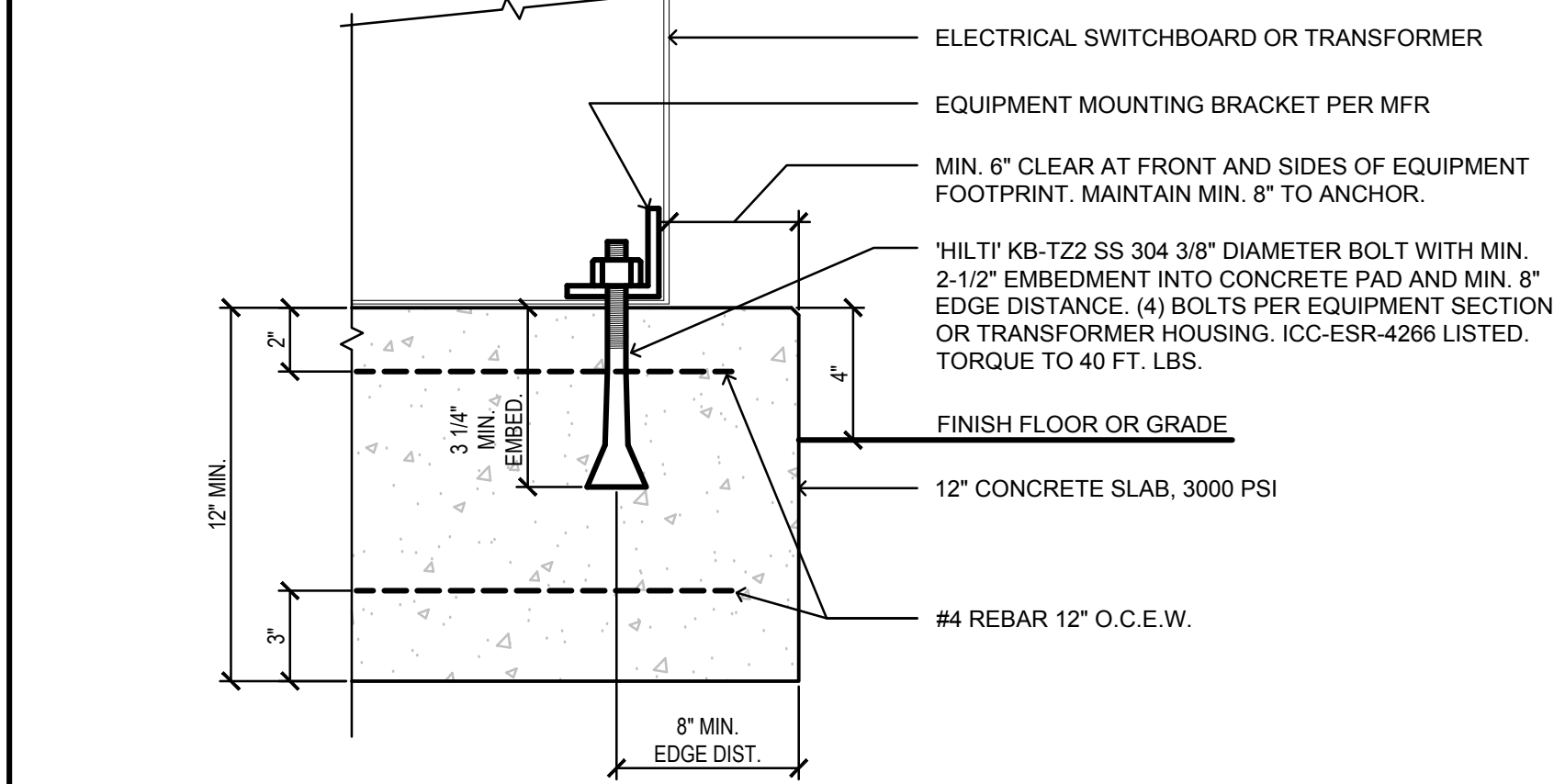


- LEGEND
- GROUND ROD
 - GROUND CLAMP
 - EXOTHERMIC WELD
 - COMPRESSION IUG CONNECTION BOLTED TO GROUND BUS, MIN. 3/8\"/>



D10 Transformer Floor Mounting Detail

A GROUNDING ARRANGEMENT FOR A SEPARATELY DERIVED SYSTEM WHERE THE GROUNDING ELECTRODE CONDUCTOR CONNECTION IS MADE AT THE TRANSFORMER.



NOTE: SERVICE GROUND SIZE AS SHOWN OR OTHERWISE AS PER CEC 250. ALL SERVICE GROUNDS TO BE COPPER.

A1 Switchgear and Transformer Pad Mounting Detail

A6 Switchboard Grounding Detail

A10 Service Panel Grounding Detail

A14 Transformer Grounding Detail

General Notes

Hardin-Davidson Engineering
 356 Pollasky Ave., Suite 200, Clovis, CA 93612
 559.323.4995 tel • 559.323.4928 fax
 www.hardin-davidson.com

Consultant

McKinley/Fowler Elementary School
 Clovis Unified School District
 Fresno, CA 93727

Project

Power Systems
 Single Line Diagram, Details

Drawing

darden architects ARCHITECTURE PLANNING INTERIORS
 www.dardenarchitects.com
 6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

Architect

No.	Revision/Submission	Date
3	Addendum No. 03	01/25/23

Revision

Designed By: SD Copyright 2022 Darden Architects

Scale: As indicated Drawn By: HDE
 Project Number: 2116 Checked By: SD
 Date: 09/19/2022 Reviewed By: SD

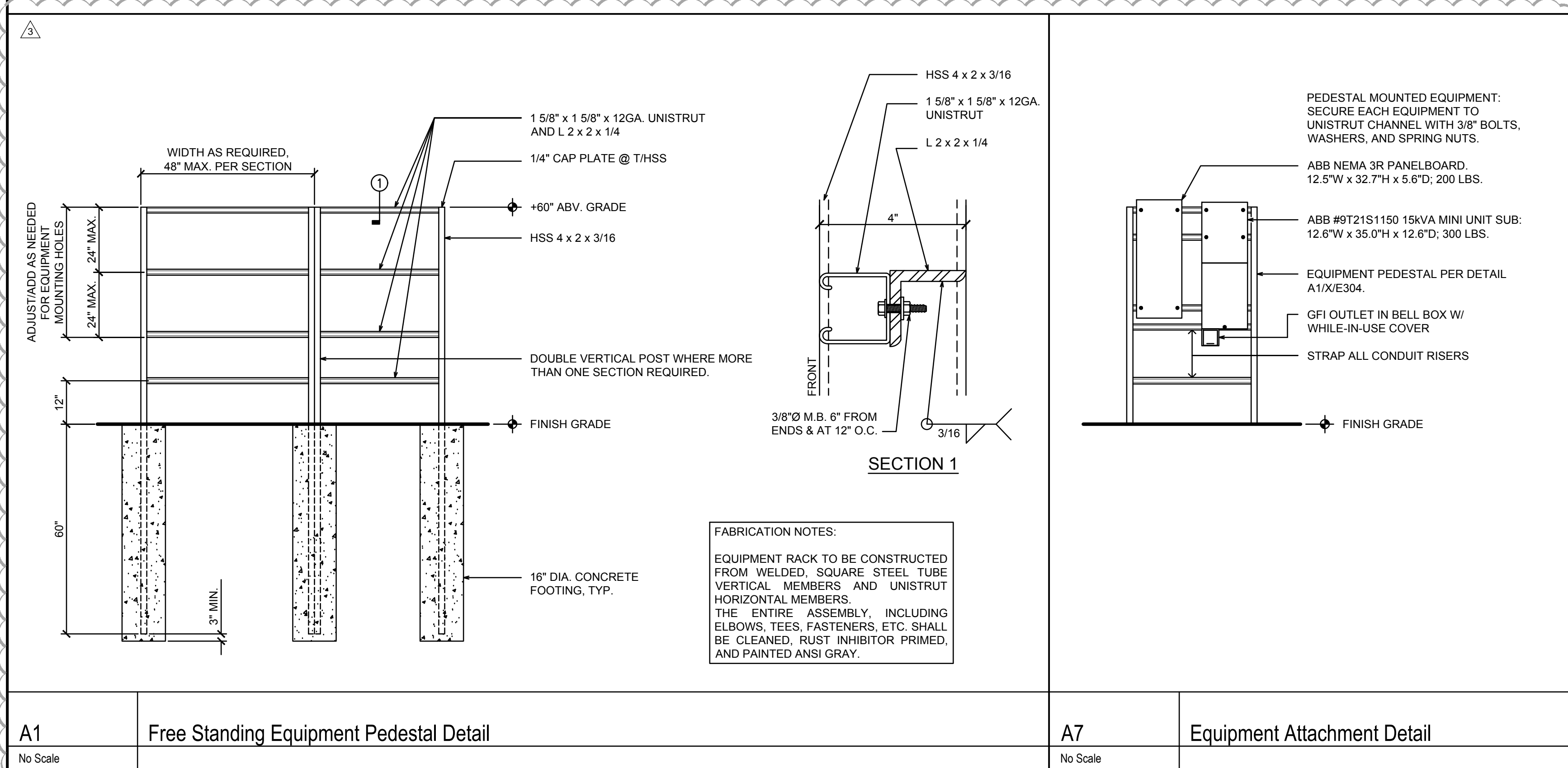
X/E301
 Sheet: _____ of: _____

PANEL "EL-IT" SCHEDULE									
120/208V 3Ø 4W 22KAIC					INDOOR / SURFACE				
CKT. NO.	DESCRIPTION	BREAKER AMPS POLES	VA	Φ	VA	BREAKER AMPS POLES	DESCRIPTION	CKT. NO.	
1	SERVER RACK OUTLETS	20 1	360 A	2500	30 2	2	SERVER RACK UPS OUTLET	2	
3	CONVENIENCE OUTLETS	20 1	360 B	2500				4	
5	CONVENIENCE OUTLETS	20 1	360 C	2500	30 2	2	SERVER RACK UPS OUTLET	6	
7	CONVENIENCE OUTLETS	20 1	360 A	2500				8	
9	CONVENIENCE OUTLETS	20 1	360 B	500	20 1	1	EMERGENCY PANEL	10	
11	CONVENIENCE OUTLETS	20 1	360 C	500	20 1	1	SECURITY PANEL	12	
13	CONVENIENCE OUTLETS	20 1	360 A	500	20 1	1	FA ALARM PANEL *	14	
15	CONVENIENCE OUTLETS	20 1	360 B	100	20 1	1	LIGHTING GATEWAY	16	
17	AT&T MPOE OUTLETS	20 1	360 C		20 1	1	SPARE	18	
19	SPARE	20 1	A		20 1	1	SPARE	20	
21	SPARE	20 1	B		20 1	1	SPARE	22	
23	SPARE	20 1	C		20 1	1	SPARE	24	
25	SPARE	20 1	A				SURGE PROTECTIVE DEVICE	26	
27	SPARE	20 1	B					28	
29	SPARE	20 1	C					30	
LOAD SUMMARY:			Φ A: 8580 VA		BUSING: 125A				
			Φ B: 4180 VA		MAIN: 125A				
			Φ C: 4080 VA						
CONNECTED LOAD:			14.8 KVA						
MAX CURRENT:			55 A		* PROVIDE RED HANDLE C.B. W/ INTEGRAL LOCK-ON DEVICE				

PANEL "KH" SCHEDULE									
277/480V 3Ø 4W 42KAIC					INDOOR / SURFACE				
CKT. NO.	DESCRIPTION	BREAKER AMPS POLES	VA	Φ	VA	BREAKER AMPS POLES	DESCRIPTION	CKT. NO.	
1	HVAC UNIT HC-K1	30 3	5720 A	1320	15 1	1	LIGHTS	2	
3			5720 B	240	15 1	1	LIGHTS	4	
5			5720 C	1430	15 1	1	LIGHTS	6	
7	HVAC UNIT HC-K2	25 3	5014 A	1090	15 1	1	LCP INVERTER, EXTERIOR LIGHTS	8	
9			5014 B				SPACE ONLY	10	
11			5014 C				SPACE ONLY	12	
13	HVAC UNIT HC-K3	25 3	5014 A				SPACE ONLY	14	
15			5014 B				SPACE ONLY	16	
17			5014 C				SPACE ONLY	18	
19	HVAC UNIT HC-K4	30 3	5720 A				SPACE ONLY	20	
21			5720 B				SPACE ONLY	22	
23			5720 C				SPACE ONLY	24	
25	SPACE ONLY		A	4080	125 3	3	MEMB. "TKL" / PANEL "KL"	26	
27	SPACE ONLY		B	4080				28	
29	SPACE ONLY		C	1320				30	
LOAD SUMMARY:			Φ A: 2808 VA		BUSING: 175A				
			Φ B: 25768 VA		MAIN: 200A				
			Φ C: 24218 VA						
CONNECTED LOAD:			78.0 KVA						
MAX CURRENT:			101 A						

PANEL "KL" SCHEDULE									
120/208V 3Ø 4W 22KAIC					INDOOR / SURFACE				
CKT. NO.	DESCRIPTION	BREAKER AMPS POLES	VA	Φ	VA	BREAKER AMPS POLES	DESCRIPTION	CKT. NO.	
1			A					2	
3			B					4	
5			C					6	
7			A					8	
9			B					10	
11			C					12	
13			A					14	
15			B					16	
17			C					18	
19			A					20	
21			B					22	
23			C					24	
25			A					26	
27			B					28	
29			C					30	
31			A					32	
33			B		20 2	2	HVAC ODU/IDU-K1	34	
35			C					36	
37			A	4080	100 3	3	PANEL "KL-IT"	38	
39			B	4080				40	
41			C	1320				42	
LOAD SUMMARY:			Φ A: 4080 VA		BUSING: 250A				
			Φ B: 4080 VA		MAIN: 250A				
			Φ C: 1320 VA						
CONNECTED LOAD:			8.5 KVA						
MAX CURRENT:			34 A						

PANEL "KL-IT" SCHEDULE									
120/208V 3Ø 4W 22KAIC					INDOOR / SURFACE				
CKT. NO.	DESCRIPTION	BREAKER AMPS POLES	VA	Φ	VA	BREAKER AMPS POLES	DESCRIPTION	CKT. NO.	
1	SERVER RACK OUTLETS	20 1	360 A	2500	30 2	2	SERVER RACK UPS OUTLET	2	
3	CONVENIENCE OUTLETS	20 1	360 B	2500				4	
5	CONVENIENCE OUTLETS	20 1	360 C	500	20 1	1	EMERGENCY PANEL	6	
7	CONVENIENCE OUTLETS	20 1	360 A	500	20 1	1	SECURITY PANEL	8	
9	CONVENIENCE OUTLETS	20 1	360 B	500	20 1	1	FA ALARM PANEL *	10	
11	CONVENIENCE OUTLETS	20 1	360 C	100	20 1	1	LIGHTING GATEWAY	12	
13	CONVENIENCE OUTLETS	20 1	360 A				SPACE ONLY	14	
15	CONVENIENCE OUTLETS	20 1	360 B				SPACE ONLY	16	
17	SPARE	20 1	C				SPACE ONLY	18	
19	SPARE	20 1	A				SPACE ONLY	20	
21	SPARE	20 1	B				SPACE ONLY	22	
23	SPARE	20 1	C				SPACE ONLY	24	
25	SPACE ONLY		A				SURGE PROTECTIVE DEVICE	26	
27	SPACE ONLY		B					28	
29	SPACE ONLY		C					30	
LOAD SUMMARY:			Φ A: 4080 VA		BUSING: 125A				
			Φ B: 4080 VA		MAIN: 125A				
			Φ C: 1320 VA						
CONNECTED LOAD:			9.5 KVA						
MAX CURRENT:			34 A		* PROVIDE RED HANDLE C.B. W/ INTEGRAL LOCK-ON DEVICE				



INCREMENT 2

DSA File No.: 10-48
 DSA Application No.: 02-120543
 Agency Approval

General Notes

Hardin-Davidson Engineering
 356 Pollasky Ave., Suite 200, Clovis, CA 93612
 559.323.4995 tel • 559.323.4928 fax
 www.hardin-davidson.com
 Consultant

McKinley/Fowler Elementary School
 Clovis Unified School District
 Fresno, CA 93727
 Project

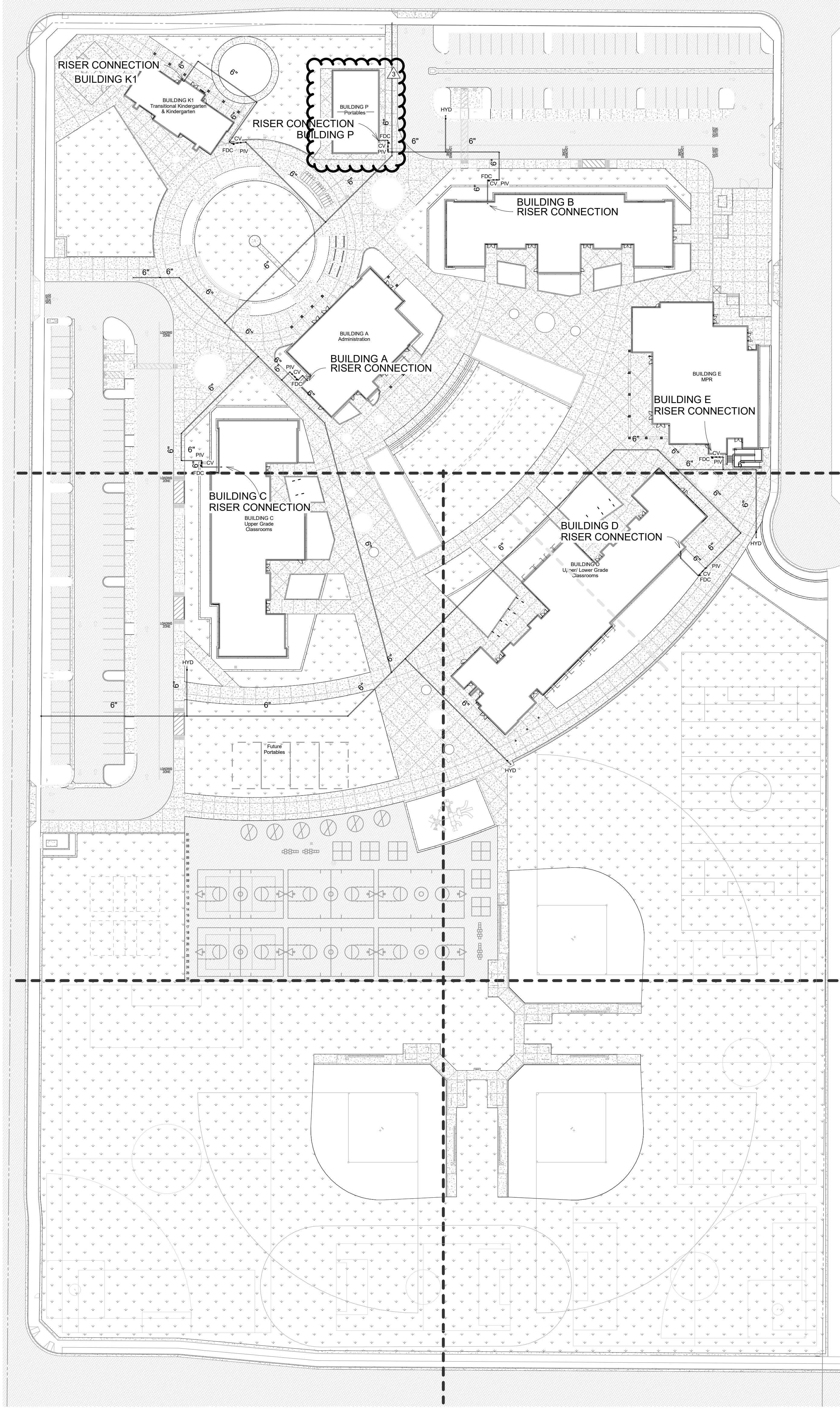
Power Systems
 Panel Schedules
 Drawing

darden architects
 ARCHITECTURE PLANNING INTERIORS
 www.dardenarchitects.com
 6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051
 Architect

No.	Revision/Submission	Date
3	Addendum No. 03	01/25/23

Revision
 Designed By: SD Copyright 2022 Darden Architects
 Scale: As indicated Drawn By: HDE
 Project Number: 2116 Checked By: SD
 Date: 09/19/2022 Reviewed By: SD
X/E304
 Sheet: _____ of: _____

1/24/2023 10:34:07 PM
 C:\Users\wacron\Box\Projects\2022\22-012 - N/Cong - Clovis New Elementary School 35\22-012 - Clovis New Elementary School - FP - Site.rvt
 N/Cong - Clovis New Elementary School 35\2 - Submittal\Drawings\22-012 - Clovis New Elementary School - FP - Site.rvt



SITE PLAN NOTES:

1. FIRE PROTECTION SERVICE AND ALL ITS APPURTENANCES ARE SHOWN FOR HYDRAULIC CALCULATION PURPOSES ONLY.
2. LOCATION OF LINES AND EQUIPMENT ARE FOR REFERENCE ONLY HOWEVER THE FIRE SERVICE LINE SHALL BE A MINIMUM OF 4" DIAMETER.
3. SITE CIVIL PLANS SHALL BE CONSULTED FOR ALL UNDERGROUND WORK. UNDERGROUND IS NOT IN THE FIRE PROTECTION SCOPE. FP SCOPE BEGINS 1'-0" AFF IN THE RISER ROOM.
4. ANY DISCREPANCY BETWEEN THIS SITE PLAN AND THOSE OF THE SITE CIVIL DESIGN SHALL DEFER TO THE SITE CIVIL PLAN IN ALL INSTANCES.

DSA File No.:

DSA Application No.:

Agency Approval

General Notes

Consultant

McKinley/Fowler Elementary School- Inc. 1
 Clovis Unified School District
 Fresno, CA 93727

SITE PLAN
 Drawing

darden ARCHITECTURE
 PLANNING
 INTERIORS
 architects www.dardenarchitects.com
 6790 N. West Ave. • Fresno, CA 93711 • T. 559.448.8051

No.	Revision/Submission	Date
3	Addendum No. 03	01/25/23

Revision

Scale:	1" = 50'-0"	Drawn By:	Author	SD/F002
Project Number:	2180	Checked/Checker		
Date:	01/24/2023	Reviewed/Approver		