TETER, LLP
ARCHITECTS ENGINEERS CONNECTED

ADDENDUM NO. 2

PROJECT:

Franklin Elementary School Phase 3
Modernization
2736 Franklin R.
Merced, CA 95348

Date: 04/02/2025

TETER Project No.: 23-12259

CLIENT:

Merced City School District
444 W. 23rd Street
Merced, CA 95340

Client Project No.: 2024-5
DSA File No.: 24-35
DSA Appl. No.: 02-122839

*The following additions, deletions and revisions to the plans, specifications and Addenda shall become a part of the plans and specifications. It is the responsibility of the General Contractor to submit the information contained in this addendum to all subcontractors and suppliers. The Bidder shall acknowledge receipt of the Addendum in the Bid Proposal. (Addendum number of pages: **6** pages + **296** attachments = **302** total pages).*

CLARIFICATION:

2 – 01: **PRE-BID JOB WALK SIGN IN SHEET,** (See attachment): 1 sheet

A. (Mandatory) Pre-bid Job Walk Sign-in Sheet for job walk No. 2 on 03/31/2025 attached for reference.

2 – 02: **PRE-BID JOB WALK QUESTIONS,** (No attachments): 0 Sheets
The following questions were asked at pre-bid job walk no. 2, see responses for clarification.

A. In the deductive alternates where the GC provides the foundation for the modulars, who provides the cast-in imbeds?

Answer:

- Alternates have been updated per this addendum. If the Additive alternate is selected, the modular company will provide the cast-in imbeds and coordinate with site GC on installation.

B. In the deductive alternate where the GC provides the foundation for the modulars, who provides the lightweight concrete flooring inside the modulars?

Answer:

- Alternates have been updated per this addendum. The modular company will provide the lightweight concrete flooring inside the modulars.

C. For the new modular buildings, who provides the flashings between the modulars and foundations.

Answer:

- The modular company will provide the flashing between the modulars and foundations.

D. How does a bidder quantify the exterior refurbishment of the existing modulars?

Answer:

- An allowance shall be carried for each relocatable building for any refurbishments required to the exterior of the relocatable buildings.

2 - 03: **Allowance,** (No attachments): 0 Sheets

A. An allowance amount shall be carried to cover the existing relocatable buildings identified on the bid documents as receiving new exterior and interior finishes. The allowance shall only be used for repairs necessary and approved by the district or district representative. All allowances must be approved for use by the District or Districts representative prior to installation or repair.

The following allowance to be carried.

- Relocatable P29	$10,000.00
- Relocatable P30	$10,000.00
- Relocatable P35	$10,000.00
- Relocatable P36	$10,000.00
- Relocatable P37	$10,000.00
- Relocatable P28	$10,000.00
- Total Allowance to be carried:	**$60,000.00**

PREBID RFI:

2 – 04: **RFI #5** – Request as follows: (See attachments) 107 sheets

A. We are unable to find the GC warranty period for the Franklin ES Phase 3 Project. Can you please point me in the right direction to find it?

Answer:

1. In the General Conditions, Article 3.5, it states one year. See Division 00 documents provided to bid rooms. Document has 144 pages.
   Division 00 General Conditions provided for clarification.

2 – 05: **RFI #6** – Request as follows: (See attachments) 2 sheets

A. In the "Instructions to Bidders", this project is subject to Prequalification. Do the proposed subcontractors need to be "Prequalified: as well? If so, can you please provide list of those primes and subs that are currently approved as well as providing an updated list the day before Bid Opening?

Answer:

1. Yes, all contractors and Sub-contractors must be prequalified with the district to bid on this project.
2. Complete instructions to access documents can be requested from MCSD Department Secretary of Facilities Services, Diana Meraz by email at dmeraz@mcsd.k12.ca.us
3. Please find attached current prequalified list.
   Prequalification list is updated every night at midnight. It will be the responsibility of the bidding contractor to access the latest prequalification list prior to bid.
   Link: https://s3.amazonaws.com/cnetwork-prod-ct/reports/Merced%20City%20School%20District-Approved%20Contractors.pdf

2 – 06: **RFI #7** – Request as follows: (See attachments) 11 sheets

A. Are alternates No. 1-5 deductive? (As noted on the drawings in both Addendum No. 1 & 2). It appears they should be Additive's to the Base Bid, not Deductive. If Deductive, wouldn't they be included in the Base Bid?

Answer:

1. Alternates No. 1-5 are to be **Additive Alternates**. The following documents have been revised to reflect additive alternate, see attached.
   - Bid Form
   - Cover Sheet G000
   - Construction Phase Plan issued with Addendum No. 1
   - Specification 012300 Alternates

2 – 07: **RFI #8** – Request as follows: (No attachments) 0 sheets

A. I'm unable to find the GC warranty period for the Franklin ES phase 3 project. Can you please point me in the right direction to find it? I wouldn't trouble you with it, however, if it's more than one tear, our payment and performance bonds cost more, so it would be great if you could clarify this for me so that I may use the correct bond cost.

Answer:

1. Information is in the General Conditions, Article 3.5, it states one year. Page 58.

2 – 08: **RFI #9** – Request as follows: (See attachments) 174 sheets

A. With today's pre-bid walkthrough only a week away from the bid due date, would it be possible to extend the bid due date by a week to 3/14/25?

Answer:

1. Unfortunately, the bid due date cannot be extended.

B. Do you have any information on the manufacturers of the existing modular buildings that are to be demolished?

Answer:

1. The following are the manufactures. Record sets will be issued with addendum.
   - Relos P22, & P23 - Steelgard, Inc.
   - Relos P24 - Steelgard, Inc.
   - Relos P26, P27, & P28 - American Modular Systems (AMS)
   - Relos P29, P30, & P31 - American Modular Systems (AMS)

2 – 09: **RFI #10** – Request as follows: (No attachments) 0 sheets

A. Fire sprinklers is not a part of this project, correct?

Answer:

1. No, fire sprinklers are not required and not in scope.

2 – 10: **RFI #11** – Request as follows: (No attachments) 0 sheets

A. Will Global Modular be responsible for the building electrical, plumbing, etc. or that be part of the bidding GC's scope of work?

Answer:

1. Global will be responsible for the internal building Electrical, Plumbing, etc. The site contractor will be responsible for Site Electrical, Electrical connections to building, Data, and Fire Alarm shown on bid documents.

2 – 11: **RFI #12** – Request as follows: (See attachments) 2 sheets

A. Cannot locate the Owner's front end documents including the bid form.

Answer:

1. Owners front end documents were issued with all bid documents separate from the specifications. Front end documents were labeled as Division 00 and contain 144 sheets. Bid form has been updated and provided in this addendum.

2 – 12: **RFI #13** – Request as follows: (See attachments) 11 sheets

A. Can you please be sure that it's clear as to what the basis of award will be?

Answer:

1. Alternates will be updated from deductive to additive and the project will be awarded on the base bid.

2 – 13: **RFI #14** – Request as follows: (See attachments) 11 sheets

A. Confused on the (5) Deductive Alternates, specifically Deductive Alternate No. 1, modular building foundation. Why would the site contractor coordinate, locate and install these items if this work is no longer in our contract? The foundations, under building utilities & embed items are all being removed from the Site Contractors scope of work. I believe those last two sentences belong at the end of the Base Bid description.

Answer:

1. Deductive Alternates have been revised to Additive Alternates. If the Additive alternate is selected, the modular company will provide the cast-in imbeds and are required to coordinate with site GC on installation.
   The following shall be included in the Alternate Bid description "Site Work Contractor shall closely coordinate with the Modular Building Contractor to accurately locate all foundation embed items and under building utility work as required by the approved modular building drawings. Modular Manufacture shall fabricate and furnish the foundation embed items to Site Work Contractors for installation."
   See attached revised specification 012300 Alternates.

2 – 14: **RFI #15** – Request as follows: (No attachments) 0 sheets

A. In going through the drawings this afternoon, I see many notes on A113 Painting Elevations, eg notes 1, 2, 3, 4, 5, 6, 7, 10, 11, and 12 effectively ask us to inspect and repair as needed. This is very difficult to do until one actually gets on the job. I'm not sure if this job has an allowance or not, but how do you wish us to quantify the work on this page for bidding purposes?

Answer:

1. An allowance of $10,000.00 for each existing relocatable classroom shall be added to cover any exterior repairs needed. Total of (6) classrooms for a total of ($60,000.00) allowance to be carried for this scope. See Addendum no. 2 clarification item 2-03.

2 – 15: **RFI #16** – Request as follows: (No attachments) 0 sheets

A. My sign guy is asking about details for the proposed marquee sign. Neither he nor I could find them anywhere. Are they there and we're just not seeing them, or are you planning to include then in upcoming addendum 2?

Answer:

1. Marquee sign can be found in the construction documents on sheets GN-1, GN-2, GN-3, GN-4, S-1, & S-2 towards the back if the set right before the playground equipment sheets.

END OF ADDENDUM NO. 2

Robert Ingalls
Senior Project Manager

TETER
ARCHITECTS ENGINEERS CONNECTED

MANDATORY PRE-BID JOB WALK ATTENDEES

PROJECT:

MCSD Franklin Elementary School Phase 3 Modernization
2736 Franklin Road, Merced, CA. 95340

Date : 03/31/2025
Time : 10:00 AM
TETER Project No.: A 21-12259 D

Merced City School District
2105 Wardrobe Ave.
Merced, CA. 95341

Client Project No.: 2024-5
DSA File No: 24-35
DSA Application No.: 02-122839

MANDATORY PRE-BID JOB WALK ATTENDEE SHEET:

Name	GC (Y/N)	Company Name	Phone	Email
Amanda Delgado	N	Willscot	559-939-4298	Amanda.Delgado@willscot.com
Christina Watson	Y	Caliber Contracting	559-330-6300	estimating@caliber contracting.net
MIGUEL ZAMORA	Y	BZ CONSTRUCTION	209.531.1252	MZAMORA@BZCONST.COM
Tom Rochrick	N	NCCRC	(510) 421-7865	Trochrick@nccrc.org
Cody Erwin	Y	Ardent General	(559) 492-3972	estimating@ardentgeneral.com
WES ECKHART	Y	VALLEY CONST. SERV. INC.	(209) 304-9830	ESTIMATING@VCSI.COM
Nicolas Vargas	Y	ANV Contractors Inc.	(209) 564-1037	nvargas@anvcontractorsinc.com
GARY WILSON		NCCRC	925 321 0935	gwilson@nccrc.info

GENERAL CONDITIONS

for

CONTRACT OF CONSTRUCTION

OF THE

Franklin Elementary School
Modernization Phase 3
Site Improvements & Utilities for (1) P.C. Modular Classrooms Wings, (2) Shade Structures, & Play Equipment
Bid # 2024-5
2736 Franklin Road
Merced, CA 95340

MERCED CITY SCHOOL DISTRICT

March 2025

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ARTICLE 1

GENERAL CONDITIONS

1.1 BASIC DEFINITIONS

1.1.1 THE CONTRACT DOCUMENTS

The "Contract Documents" consist of the Agreement between Owner and Contractor (hereinafter the Agreement), Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, addenda issued prior to bid, Instructions to Bidders, Notice to Bidders, the Bid Form, Payment Bond, Performance Bond, required insurance certificates, additional insured endorsement and declarations page, Designation of Subcontractors, Noncollusion Declaration, Roof Project Certification (where applicable), Sufficient Funds Declaration (Labor Code section 2810) and the Fingerprinting Notice and Acknowledgment and Independent Contractor Student Contact Form, other documents referred to in the Agreement, and Modifications issued after execution of the Agreement. A Modification is a written amendment to the Contract signed by both parties, a Change Order, a Construction Change Directive, or a written order for a minor change in the Work issued by the Owner. The Contract Documents are complementary, and each obligation of the Contractor, Subcontractors, material or equipment suppliers in any one shall be binding as if specified in all.

1.1.2 THE CONTRACT

The Contract Documents form the Contract. The "Contract" represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations, representations, or agreements, either written or oral. The Contract may be amended or modified only by a written Modification. The Contract Documents shall not be construed to create a contractual relationship of any kind between the Architect and Contractor, between the Owner and any Subcontractor or Sub-subcontractor, or between any persons or entities other than the Owner and the Contractor. The terms of the Contract shall not be waived, altered, modified, supplemented or amended in any manner whatsoever except by written agreement signed by the parties and approved or ratified by the Governing Board.

1.1.3 THE WORK

The "Work" shall include all labor, materials, services and equipment necessary for the Contractor to fulfill all of its obligations pursuant to the Contract Documents, including but not limited to punch list items and submission of documents. It shall include the initial obligation of any Contractor or Subcontractor, who performs any portion of the Work, to visit the Site of the proposed Work with Owner's representatives, a continuing obligation after the commencement of the Work to fully acquaint and familiarize itself with the conditions as they exist and the character of the operations to be carried on under the Contract Documents, and make such investigation as it may see fit so that it shall fully understand the facilities, physical conditions, and restrictions attending the Work under the Contract Documents. Each such Contractor or Subcontractor shall also thoroughly examine and become familiar with the Drawings,

Specifications, and associated bid documents. ***The "Site" refers to*** the grounds of the Project as defined in the Contract Documents and such adjacent lands as may be directly affected by the performance of the Work. The Work shall constitute a "work of improvement" under Civil Code section 8050 and Public Contract Code section 7107.

1.1.4 **THE PROJECT**

The "Project" is the total construction of the Work performed in accordance with the Contract Documents, but "Project" may also include construction by the Owner or by separate contractors.

1.1.5 **THE DRAWINGS**

The "Drawings" are graphic and pictorial portions of the Contract Documents prepared for the Project and approved changes thereto, wherever located and whenever issued, showing the design, location, and scope of the Work, generally including plans, elevations, sections, details, schedules, and diagrams as drawn or approved by the Architect.

1.1.6 **THE SPECIFICATIONS**

The "Specifications" are that portion of the Contract Documents consisting of the written requirements for material, equipment, construction systems, instructions, quality assurance standards, workmanship, and performance of related services.

1.1.7 **THE PROJECT MANUAL**

The "Project Manual" is the volume usually assembled for the Work which may include, without limitation, the bidding requirements, sample forms, Agreement, Conditions of the Contract, and Specifications.

1.1.8 **OR**

"Or" shall include "and/or."

1.1.9 **COMPLETION**

Statutory definitions of "Completion" and "Complete" shall apply for those statutory purposes. For all other purposes, including accrual of liquidated damages, Claims, and warranties, "Completion" and "Complete" mean the point in the Work where (1) Contractor has fully and correctly performed all Work in all parts and requirements, including corrective and punch list work, and (2) Owner's representatives have conducted a final inspection that confirmed this performance. Substantial, or any other form of partial or non-compliant, performance shall not constitute "Completion" or "Complete."

1.1.10 ***COMPLETION* OF THE PROJECT**

For purposes of accrual of liquidated damages for delay to the Project, *completion* shall mean the point in the Project where (1) all contractors and Owner have fully and correctly performed all work of the entire Project in all parts and requirements, including corrective and punch list work, and (2) Owner's representatives have conducted a final inspection of the entire Project that confirmed this performance. Substantial, or any other form of partial or non-compliant, performance shall not constitute *completion* or *complete*.

1.2 EXECUTION, CORRELATION AND INTENT

1.2.1 CORRELATION AND INTENT

1.2.1.1 ***Documents Complementary and Inclusive.*** The Contract Documents are complementary and are intended to include all items required for the proper execution and Completion of the Work. Any item of Work mentioned in the Specifications and not shown on the Drawings, or shown on the Drawings and not mentioned in the Specifications, shall be provided by Contractor as if shown or mentioned in both.

1.2.1.2 ***Coverage of the Drawings and Specifications.*** The Drawings and Specifications generally describe the work to be performed by Contractor. Generally, the Specifications describe work which cannot be readily indicated on the Drawings and indicate types, qualities, and methods of installation of the various materials and equipment required for the Work. It is not intended to mention every item of Work in the Specifications, which can be adequately shown on the Drawings, or to show on the Drawings all items of Work described or required by the Specifications even if they are of such nature that they could have been shown. All materials or labor for Work, which is shown on the Drawings or the Specifications (or is reasonably inferable therefrom as being necessary to Complete the Work), shall be provided by the Contractor whether or not the Work is expressly covered in the Drawings or the Specifications. It is intended that the Work be of sound, quality construction, and the Contractor shall be responsible for the inclusion of adequate amounts to cover installation of all items indicated, described, or implied in the portion of the Work to be performed by Contractor.

1.2.1.3 ***Conflicts.*** Without limiting Contractor's obligation to identify conflicts for resolution by the Owner, it is intended that the more stringent, higher quality, and greater quantity of Work shall apply.

1.2.1.4 ***Conformance With Laws.*** Each and every provision of law required by law to be inserted in this Contract shall be deemed to be inserted herein, and the Contract shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon application of either party the Contract shall be amended in writing to make such insertion or correction.

Before commencing any portion of the Work, Contractor shall check and review the Drawings and Specifications for such portion for conformance and compliance with all laws, ordinances, codes, rules and regulations of all governmental authorities and public utilities affecting the construction and operation of the physical plant of the Project, all quasi-

governmental and other regulations affecting the construction and operation of the physical plant of the Project, and other special requirements, if any, designated in the Contract Documents. In the event Contractor observes any violation of any law, ordinance, code, rule or regulation, or inconsistency with any such restrictions or special requirements of the Contract Documents, Contractor shall promptly notify Architect and Owner in writing of same and shall ensure that any such violation or inconsistency shall be corrected in the manner provided hereunder prior to the construction of that portion of the Work. Where requirements of the Contract Documents exceed those of the applicable building codes and ordinances, the Contract Documents shall govern. Contractor shall comply with all applicable Federal, State and local laws.

If, as and to the extent that Public Contract Code section 1104 is deemed to apply after the award of the Contract, Contractor shall not be required to assume responsibility for the completeness and accuracy of architectural or engineering plans and specifications, notwithstanding any other provision in the Contract Documents, except to the extent that Contractor discovered or should have discovered and reported any errors and omissions to the Architect and Owner, including but not limited to as the result of any review of the plans and specifications by Contractor required by the Instructions to Bidders or other Contract Documents, whether or not actually performed by Contractor.

1.2.1.5 ***Ambiguity.*** Before commencing any portion of the Work, Contractor shall carefully examine all Drawings and Specifications and other information given to Contractor as to materials and methods of construction and other Project requirements. Contractor shall immediately notify Architect and Owner in writing of any perceived or alleged error, inconsistency, ambiguity, or lack of detail or explanation in the Drawings and Specifications in the manner provided herein. If the Contractor or its Subcontractors, material or equipment suppliers, or any of their officers, agents, and employees performs, permits, or causes the performance of any Work under the Contract Documents, which it knows or should have known to be in error, inconsistent, or ambiguous, or not sufficiently detailed or explained, Contractor shall bear any and all costs arising therefrom including, without limitation, the cost of correction thereof without increase or adjustment to the Contract Sum or the time for performance. If Contractor performs, permits, or causes the performance of any Work under the Contract Documents prepared by or on behalf of Contractor which is in error, inconsistent or ambiguous, or not sufficiently detailed or explained, Contractor shall bear any and all resulting costs, including, without limitation, the cost of correction, without increase to or adjustment in the Contract Sum or the time for performance. In no case shall any Subcontractor proceed with the Work if uncertain without the Contractor's written direction and/or approval.

1.2.1.6 ***Execution.*** Execution of the Agreement Between Owner and Contractor by the Contractor is a representation that the Contractor has visited the Site, become familiar with the local conditions under which the Work is to be performed and has correlated personal observations with the requirements of the Contract Documents.

1.2.2 **ADDENDA AND DEFERRED APPROVALS**

1.2.2.1 ***Addenda.*** Subsequent addenda issued shall govern over prior addenda only to the extent specified. In accordance with Title 24, California Code of Regulations, addenda shall be approved by the Division of the State Architect ("DSA").

1.2.2.2 ***Deferred Approvals.*** The requirements approved by the DSA on any item submitted as a deferred approval in accordance with Title 24, California Code of Regulations, shall take precedence over any previously issued addenda, drawing or specification.

1.2.3 **SPECIFICATION INTERPRETATION**

1.2.3.1 ***Titles.*** The Specifications are separated into titled sections for convenience only and not to dictate or determine the trade or craft involved. Organization of the Specifications into divisions, sections and articles, and arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of work to be performed by any trade.

1.2.3.2 ***As Shown, Etc.*** Where "as shown," "as indicated," "as detailed," or words of similar import are used, reference is made to the Drawings accompanying the Specifications unless otherwise stated. Where "as directed," "as required," "as permitted," "as authorized," "as accepted," "as selected," or words of similar import are used, the direction, requirement, permission, authorization, approval, acceptance, or selection by Architect is intended unless otherwise stated.

1.2.3.3 ***Provide.*** "Provide" means "provided complete in place," that is, furnished, installed, tested, and ready for operation and use.

1.2.3.4 ***General Conditions.*** The General Conditions and any supplementary general conditions are a part of each and every section of the Specifications.

1.2.3.5 ***Abbreviations.*** In the interest of brevity, the Specifications are written in an abbreviated form and may not include complete sentences. Omission of words or phrases such as "Contractor shall," "shall be," etc., are intentional. Nevertheless, the requirements of the Specifications are mandatory. Omitted words or phrases shall be supplied by inference in the same manner as they are when a "note" occurs on the Drawings.

1.2.3.6 ***Plural.*** Words in the singular shall include the plural whenever applicable or the context so indicates.

1.2.3.7 ***Metric.*** The Specifications may indicate metric units of measurement as a supplement to U.S. customary units. When indicated thus: 1" (25 mm), the U. S. customary unit is specific, and the metric unit is nonspecific. When not shown with parentheses, the unit is specific. The metric units correspond to the "International System of Units" (SI) and generally follow ASTM E 380, "Standard for Metric Practice."

1.2.3.8 ***Standard Specifications.*** Any reference to standard specifications of any society, institute, association, or governmental authority is a reference to the organization's

standard specifications, which are in effect as of the date the Notice to Bidders is first published. If applicable specifications are revised prior to completion of any part of the Work, the Contractor may, if acceptable to Owner and Architect, perform such Work in accordance with the revised specifications. The standard specifications, except as modified in the Specifications for the Project, shall have full force and effect as though printed in the Specifications. Architect will furnish, upon request, information as to how copies of the standard specifications referred to may be obtained.

1.2.3.9 ***Absence of Modifiers.*** In the interest of brevity, the Contract Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an," but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

1.3 OWNERSHIP AND USE OF ARCHITECT'S DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS

The Drawings, Specifications, and other documents prepared on behalf of the Owner are instruments of the services of the Architect and its consultants and are the property of the Owner. The Contractor may retain one contract record set. Neither the Contractor nor any Subcontractor, Sub-subcontractor, or material or equipment supplier shall own or claim a copyright in the Drawings, Specifications, and other documents prepared by the Architect, and unless otherwise indicated the Architect shall be deemed the author of them. All copies of them, except the Contractor's record set, shall be returned or suitably accounted for to the Owner, upon request upon Completion of the Work. The Drawings, Specifications, and other documents prepared by the Architect, and copies thereof furnished to the Contractor, are for use solely with respect to this Contract. They are not to be used by the Contractor or any Subcontractor, Sub-subcontractor, or material or equipment supplier on other contracts or projects or for additions to this Contract or Project outside the scope of the Work without the specific written consent of the Owner and the Architect. The Contractor, Subcontractors, Sub-subcontractors, and material or equipment suppliers are granted a limited license to use and reproduce applicable portions of the Drawings, Specifications, and other documents prepared by the Architect appropriate to and for use in the execution of their Work under the Contract Documents. Submittal or distribution to meet official regulatory requirements or for other purposes in connection with this Project is not to be construed as publication in derogation of the Owner's property interest or other reserved right. All copies made under this license shall bear appropriate attribution and the statutory copyright notice, if any, shown on the Drawings, Specifications and other documents prepared by the Architect.

ARTICLE 2

OWNER

2.1 DEFINITION

The term "Owner" means the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The term "Owner" means the

Owner and/or the Owner's authorized representatives, including but not limited to architects and construction managers. To the extent the Contract Documents indicate that Owner has assigned duties to particular representatives of the Owner (such as the Architect, or any construction manager), Owner reserves the right at all times to reassign such duties to different Owner representatives.

2.2 INFORMATION AND SERVICES REQUIRED OF THE OWNER

2.2.1 INTENTIONALLY LEFT BLANK

2.2.2 SITE SURVEY

When required by the scope of the Work, the Owner will furnish, at its expense, a legal description or a land survey of the Site, giving, as applicable, grades and lines of streets, alleys, pavements, adjoining property, rights-of-way, restrictions, easements, encroachments, zoning, deed restrictions, boundaries, and contours of the Site. Surveys to determine locations of construction, grading, and Site work shall be provided by the Contractor.

2.2.3 SOILS

2.2.3.1 ***Owner Furnished Services.*** When required by the scope of the Project, the Owner will furnish, at its expense, the services of geotechnical engineers or consultants when reasonably required or as required by local or state codes. Such services with reports and appropriate professional recommendations shall include test boring, test pits, soil bearing values, percolation tests, air and water pollution tests, and ground corrosion and resistivity tests, including necessary operations for determining subsoil, air, and water conditions.

2.2.3.2 ***Contractor Reliance.*** Test borings and soils reports for the Project have been made for the Owner to indicate the subsurface materials that might be encountered at particular locations on the Project. The Owner has made these documents available to the Contractor and the Contractor has studied the results of such test borings and information that it has as to the subsurface conditions and Site geology as set forth in the test borings and soils reports. The Owner does not assume any responsibility whatsoever with respect to the sufficiency or accuracy of the borings made, or of the logs of the test borings, or of other investigations, or of the soils reports furnished pursuant hereto, or of the interpretations to be made beyond the location or depth of the borings. There is no warranty or guarantee, either express or implied that the conditions indicated by such investigations, borings, logs, soil reports or other information are representative of those existing throughout the Site of the Project, or any part thereof, or that unforeseen developments may not occur. At the Owner's request, the Contractor shall make available to the Owner the results of any Site investigation, test borings, analyses, studies or other tests conducted by or in the possession of the Contractor of any of its agents. Nothing herein contained shall be deemed a waiver by the Contractor to pursue any available legal right or remedy it may have at any time against any third party who may have prepared any report and/or test relied upon by the Contractor.

2.2.4 UTILITY SURVEY

When required by the scope of the Project, the Owner will furnish, at its expense, all information regarding known existing utilities on or adjacent to the Site, including location, size, inverts, and depths.

2.2.5 INFORMATION

Upon the request of the Contractor, Owner will make available such existing information regarding utility services and Site features, including existing construction, related to the Project as is available from Owner's records. The Contractor may not rely upon the accuracy of any such information, other than that provided under Sections 2.2.2 and 2.2.4 (except that the Contractor may not rely upon, and must question in writing to the Owner and the Architect, any information which appears incorrect based upon Contractor's Site inspection, knowledge of the Work and Project, and prior experience with similar projects), unless specifically stated in writing that the Contractor may rely upon the designated information.

2.2.6 EXISTING UTILITY LINES; REMOVAL, RELOCATION

2.2.6.1 ***Removal, Relocation.*** Pursuant to Government Code section 4215, the Owner assumes the responsibility for removal, relocation, and protection of utilities located on the Site at the time of commencement of construction under this Contract with respect to any such utility facilities which are not identified in the drawings and specifications made part of the invitation to bid. The Contractor shall not be assessed for liquidated damages for delay in Completion of the Work caused by failure of the Owner to provide for removal or relocation of such utility facilities. Owner shall compensate the Contractor for the costs of locating, repairing damage not due to the failure of the Contractor to exercise reasonable care, removing or relocating such utility facilities, and for equipment necessarily idle during such work.

2.2.6.2 ***Assessment.*** These subparagraphs shall not be construed to preclude assessment against the Contractor for any other delays in Completion of the Work. Nothing in these subparagraphs shall be deemed to require the Owner to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities on the Site can be inferred from the presence of other visible facilities, such as buildings, or meter junction boxes on or adjacent to the Site.

2.2.6.3 ***Notification.*** If the Contractor, while performing work under this Contract, discovers utility facilities not identified by the Owner in the Contract plans or specifications, Contractor shall immediately notify the Owner and the utility in writing.

2.2.6.4 ***Underground Utility Clearance.*** It shall be Contractor's sole responsibility to timely notify all public and private utilities serving the Site prior to commencing work. The Contractor shall notify and receive clearance from any cooperative agency, such as Underground Service Alert, in accordance with Government Code section 4216, et seq. Contractor shall promptly provide a copy of all such notifications to the Owner.

2.2.7 EASEMENTS

Owner shall secure and pay for easements for permanent structures or permanent changes in existing facilities, if any, unless otherwise specified in the Contract or Contract Documents.

2.2.8 REASONABLE PROMPTNESS

Information or services under Owner's control will be furnished by the Owner with reasonable promptness. The Owner shall not be liable for any delays caused by factors beyond the Owner's control including but not limited to DSA's or any other local, State or federal agency's review of bids, change order requests, RFI's or any other documents.

2.2.9 COPIES FURNISHED

The Contractor will be furnished such copies of Drawings and Project Manuals as are stated in the Contract Documents.

2.2.10 DUTIES CUMULATIVE

The foregoing are in addition to other duties and responsibilities of the Owner enumerated herein, and especially those in Article 6 (Construction by Owner or by Separate Contractors), Article 9 (Payments and Completion), and Article 11 (Insurance and Bonds).

2.3 OWNER'S RIGHT TO STOP THE WORK

If the Contractor fails to correct Work which is not in accordance with the requirements of the Contract Documents, or persistently fails to carry out Work in accordance with the Contract Documents, the Owner, after providing Notice pursuant to Section 2.4, may order the Contractor to stop the Work or any portion thereof, until the Contractor corrects the deficiencies. The right of the Owner to stop the Work shall not give rise to a duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity, except to the extent required by Article 6.

2.4 OWNER'S RIGHT TO CARRY OUT THE WORK

If the Contractor fails or refuses to carry out the Work in accordance with the Contract Documents, Owner may correct such deficiencies by whatever reasonable method the Owner may deem expedient without prejudice to other remedies the Owner may have, including but not limited to having another contractor perform some or all of the Work without terminating the Contract with Contractor. Owner may exercise this right at any time during the Contractor's Work.

Owner shall first provide written notice to Contractor of Contractor's failure or refusal to perform. The notice will provide the time period within which Contractor must begin correction of the failure or refusal to perform. If the Contractor fails to begin correction within the stated time, or fails to continue correction, the Owner may proceed to correct the deficiencies. In the

event the Owner bids the work, Contractor shall not be eligible for the award of the contract. The Contractor may be invoiced the cost to Owner of the work, including compensation for additional professional and internally generated services and expenses made necessary by Contractor's failure or refusal to perform. Owner may withhold that amount from the retention, or progress payments due the Contractor, pursuant to Section 9.5. If retention and payments withheld then or thereafter due the Contractor are not sufficient to cover that amount, the Contractor shall pay the difference to the Owner.

ARTICLE 3

THE CONTRACTOR

3.1 DEFINITION

The Contractor is the person or entity identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The term "Contractor" means the Contractor or the Contractor's authorized representative. To the extent that any portion of the Work is provided with the Contractor's own forces, any reference to Subcontractors shall be equally applicable to the Contractor.

3.2 SUPERVISION AND CONSTRUCTION PROCEDURES

3.2.1 CONTRACTOR

The Contractor shall supervise and direct the Work using the Contractor's best skill and attention, which shall meet or exceed the standards in the industry. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences, procedures, and coordinating all portions of the Work under the Contract, unless Contract Documents give other specific instructions concerning these matters.

Owner shall schedule and coordinate the activities of Contractor with the other contractors and Owner. Contractor agrees to accept the Owner's construction schedules, schedule updates, overall sequence and coordination of construction for the Project.

Contractor realizes that work by other contractors or Owner may occur simultaneously with Contractor's Work in any given area. Contractor is responsible for its own sequences that may occur within a given activity or set of activities. Contractor shall not commit or permit any act which will adversely affect the work of any other contractor or Owner. Contractor shall provide layout of its Work at the request of any other contractor or Owner.

Specific duties of the Contractor shall be in accordance with Title 24 of the California Code of Regulations. Contractor shall fully comply with any and all reporting requirements of Education Code sections 17309 and 81141 in the manner prescribed by Title 24.

3.2.2 CONTRACTOR RESPONSIBILITY

The Contractor shall be responsible to the Owner for acts and omissions of the Contractor's employees, Subcontractors, material and equipment suppliers, and their agents, employees, invitees, and other persons performing portions of the Work under direct or indirect contract with the Contractor or any of its Subcontractors.

3.2.3 OBLIGATIONS NOT CHANGED BY OTHER'S ACTIONS

The Contractor shall not be relieved of obligations to perform the Work in accordance with the Contract Documents by the activities or duties of the Owner's representatives, including but not limited to any construction manager and the Architect, or the Inspector of Record; or by tests, inspections, or approvals required or performed by persons other than the Contractor.

3.2.4 CONTRACTOR RESPONSIBILITY FOR READINESS FOR WORK

The Contractor shall be responsible for inspection of Work already performed under the Contract Documents to determine that such portions are in proper condition to receive subsequent work.

3.2.5 PROJECT MEETINGS

During its Work, Contractor shall attend Owner's Project meetings as scheduled by the Contract Documents, or as otherwise instructed by Owner, to discuss the current status of the Work and Project, and the future progress of the Work and the Project. Contractor shall have five (5) days after receipt of Owner's Project meeting minutes to provide written objections and suggested corrections.

3.3 SUPERINTENDENT

3.3.1 FULL TIME SUPERINTENDENT

The Contractor shall provide a competent superintendent and assistants as necessary, all of whom shall be reasonably proficient in speaking, reading and writing English and, who shall be in attendance at the Project Site during performance of the Work. The superintendent shall represent the Contractor, and communications given to the superintendent shall be as binding as if given to the Contractor.

3.3.2 STAFF

The Contractor and each Subcontractor shall: furnish a competent and adequate staff as necessary for the proper administration, coordination, supervision, and superintendence of its portion of the Work; organize the procurement of all materials and equipment so that the materials and equipment will be available at the time they are needed for the Work; and keep an adequate force of skilled workers on the job to Complete the Work in accordance with all requirements of the Contract Documents.

3.3.3 RIGHT TO REMOVE

Owner shall have the right, but not the obligation, to require the removal from the Project of any superintendent, staff member, agent, or employee of any Contractor, Subcontractor, material or equipment supplier, etc., for cause.

3.4 LABOR AND MATERIALS

3.4.1 CONTRACTOR TO PROVIDE

Unless otherwise provided in the Contract Documents, the Contractor shall provide and pay for labor, material, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and Completion of the Work whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

3.4.2 QUALITY

Unless otherwise specified, all materials and equipment to be permanently installed in the Project shall be new and shall be of such quality as required to satisfy the standards of the Contract Documents. The Contractor shall, if requested, promptly furnish satisfactory evidence as to kind and quality of all materials and equipment. All labor shall be performed by workers skilled in their respective trades, and the quality of their work shall meet whichever is the higher standard for their work: the standard in the industry or the standard in the Contract Documents.

3.4.3 REPLACEMENT

Any work, materials, or equipment, which does not conform to these standards may be disapproved and rejected by the Owner, in which case, they shall be removed and replaced by the Contractor at no cost to the Owner.

3.4.4 DISCIPLINE

The Contractor shall enforce strict discipline and good order among the Contractor's employees and other persons carrying out the Contract in accordance with paragraph 5.5.1 including, but not limited to, Subcontractors, and material or equipment suppliers retained for the Project.

3.5 WARRANTY

For the period of one (1) year after Completion of the Work (see Sections 9.7.1, 12.2.5, and 12.2.6), the Contractor warrants to the Owner that material and equipment furnished under the Contract will be of good quality and new unless otherwise required or permitted by the Contract Documents, that the Work will be free from defects not inherent in the quality required or permitted, and that the Work will conform with the requirements of the Contract Documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. The Contractor's warranty does not cover damage or

defect caused by abuse, modifications not executed by the Contractor, improper or insufficient maintenance, improper operation, or normal wear and tear under normal usage. If required by the Owner, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

3.6 TAXES

Contractor will pay all applicable Federal, State, and local taxes on all materials, labor, or services furnished by it, and all taxes arising out of its operations under the Contract Documents. Owner is exempt from Federal Excise Tax, and a Certificate of Exemption shall be provided upon request.

3.7 PERMITS, FEES AND NOTICES

3.7.1 PAYMENT

The Contractor shall secure and pay for all permits and governmental fees, licenses, and inspections necessary for proper execution and Completion of the Work which are customarily secured after execution of the Contract and are legally required by any authority having jurisdiction over the Project, except those required by the Division of the State Architect (DSA). Owner shall be responsible for all testing and inspection as required by the DSA on-Site or within the distance limitations set forth in paragraph 13.5.2, unless a different mileage range is specified in the Contract Documents.

3.7.2 COMPLIANCE

The Contractor shall comply with and give notices required by any law, ordinance, rule, regulation, and lawful order of public authorities bearing on performance of the Work.

3.7.3 CONTRACT DOCUMENTS

It is not the Contractor's responsibility to ascertain that the Contract Documents are in accordance with any applicable law, statute, ordinance, building codes, rule, or regulation. However, if the Contractor knew, or should have known, or observes that portions of the Contract Document are at variance therewith, the Contractor shall promptly notify the Architect, any construction manager, and Owner in writing, and necessary changes shall be accomplished by appropriate modification.

3.7.4 RESPONSIBILITY

If the Contractor performs any work that it knows, or should have known, is contrary to any law, statute, ordinance, building code, rule or regulation, the Contractor shall assume full responsibility for such work, and shall bear the attributable cost of correction and delays to the Work, other contractors' work, and the Project.

3.8 ALLOWANCES

3.8.1 CONTRACT

The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as the Owner may direct, but the Contractor shall not be required to employ persons or entities against whom the Contractor makes reasonable and timely objection.

3.8.2 SCOPE

3.8.2.1 ***Prompt Selection.*** Materials and equipment under an allowance shall be selected promptly by the Owner to avoid delay to the Work.

3.8.2.2 ***Cost.*** Allowances shall cover the cost to the Contractor of materials and equipment delivered at the Site and all required taxes, less applicable trade discounts, etc., as delineated in paragraph 7.7.4.

3.8.2.3 ***Cost Included in Contract Sum.*** Contractor's costs for unloading and handling at the Site, labor, installation costs, overhead, profit, and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum and not in the allowances.

3.8.2.4 ***Contract Sum Adjustment.*** Whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect the difference between actual cost and the allowances under paragraph 3.8.2.2 and the change in the Contractor's costs under paragraph 3.8.2.3.

3.9 CONTRACTOR'S CONSTRUCTION SCHEDULES

3.9.1 REQUIREMENTS

Before the Contractor's commencement of Work or within two (2) weeks of award of the Contract, whichever is earlier, Contractor shall prepare and submit for the Owner's, and any construction manager's, information the baseline construction schedule for the Work, which shall conform to the Contract Documents' requirements.

Contractor shall submit a monthly updated schedule of the Work that will include an accurate as-built schedule and the current as-planned schedule, both of which shall conform to the Contract Documents' requirements. Contractor shall submit its daily logs for the prior month with the updated schedule.

The schedule and updates shall conform, at a minimum, to industry standards for (a) critical path scheduling and (b) facilitation of Owner's Project management and evaluation of Contractor Claims for additional money or time.

The schedule and updates shall not exceed time limits (including milestone deadlines) under the Contract Documents and shall comply with the Contract Documents scheduling requirements and with any scheduling requirements the Owner provides to the Contractor at the beginning of the Work. The original schedule and all updates shall accurately reflect work performed to date, all construction tasks (including procurement), the critical path schedule for Completion of the remainder of the Work, and the percentage of the Work completed. The original schedule and updates shall include all delay days for weather not unusually severe, even though that weather will not entitle Contractor to additional time or money.

The construction schedule shall be in the form of either a tabulation, chart, or graph, unless otherwise stated in Division 1 of the Specifications, and shall be in sufficient detail to show the chronological relationship of all activities of the Project including, but not limited to, estimated starting and completion dates of various activities, (including early and late dates and reasonable float for each activity), procurement of materials, the critical path, and scheduling of equipment. Float suppression techniques such as preferential sequencing, special lead/lag logic restraints, extended activity durations, or imposed dates shall be apportioned for the benefit of the Project. Whenever in the Contract Documents Contractor is required to provide a schedule and/or schedule updates, the Contractor shall provide the schedule and updates in electronic format as well as hard copy. Contractor shall be solely responsible for the accuracy, utility and reasonableness of all of its schedules. Owner's acceptance, approval or non-rejection of Contractor's schedules shall not affect Contractor's responsibility for its schedules.

The Contractor and Owner shall use any float on a "first come, first served" basis. The original schedule and updates shall reflect Contractor's and Owner's use of float. Float is not for the exclusive use or benefit of either Owner or Contractor, but it is a jointly owned expiring Project resource available to both parties as needed to meet schedule milestones. For the original schedule and updates, Contractor shall use a critical path network format with the critical paths clearly indicated. Contractor shall use an MS Project, Primavera, or an equivalent or better program. Contractor shall include reports that sort and list the activities in order of increasing float and by early and late start dates. Contractor shall endeavor to label ten to thirty percent (10-30%) of the tasks as critical, but shall not label less than five (5%) or more than fifty (50%) as critical. Contractor shall use calendar days.

If any change in Contractor's method of operations will cause a change in the construction schedule, Contractor shall submit to Owner, Architect, and any construction manager, a revised construction schedule within seven (7) days of the change, unless a different time period is stated in Division 1 of the Specifications.

If, in the Owner's opinion, the Contractor is not prosecuting the Work at a rate sufficient to meet the Work schedule or a contractual milestone, or to Complete the Work within the Contract Time as adjusted by change orders, or if the Contractor's actual progress falls behind the Work schedule or it is apparent to Owner that Contractor will not meet contractual milestones or Complete the Work within the Contract Time as adjusted by change orders, the Owner may require that the Contractor prepare and submit a recovery plan. Contractor must submit a recovery plan within seven (7) days of a demand for the plan, unless a different time period is stated in Division 1 of the Specifications. At a minimum, the recovery plan must include a

revised schedule that gets the Work back on schedule and Completes all Work by the contractual milestones and within the Contract Time as adjusted by change orders or by other dates Owner specifies in the demand for a recovery plan. The recovery plan shall state the corrective actions Contractor will undertake to implement it. The recovery plan shall also list any additional money that Contractor believes it should receive if Owner orders Contractor to fully or partially implement the recovery plan. If the Owner orders Contractor to implement the recovery plan, Contractor shall do so, but the order shall not act constitute an admission by Owner that Contractor is entitled to additional money. To recover additional money, Contractor must comply with General Conditions Articles 4.5, 7 and 8.

All schedules Contractor submits shall be certified as true and correct, as follows:

> I, _____ *[name of declarant]*, declare the following:
>
> _____ *[Contractor company name]* has contracted with _____ *[public entity name]* for the _____ Contract ("Contract"). _____ *[Contractor company name]* authorized me to prepare schedules for _____ *[public entity name]* for this Project, and I prepared the attached schedule. I am the most knowledgeable person at _____ *[Contractor company name]* regarding the scheduling of the Work for this Contract.
>
> The attached schedule does not breach the Contract between _____ *[Contractor company name]* and _____ *[public entity name]* for this Project, does not violate any applicable law, satisfies all provisions of the Contract applicable to submission of schedules, only contains truthful and accurate as-built and as-planned dates of the Work (including supporting data), and is not a false claim.
>
> The attached schedule is submitted in compliance with all laws applicable to submission of a Claim, including but not limited to California Penal Code section 72 (Fraudulent Claims), Government Code sections 12650 et seq. (False Claims Act; for example, Government Code section 12651(a)(7)), and Business and Professions Code sections 17200 et seq. (Unfair Business Practices Act). I am aware that submission or certification of false claims, or other Claims that violate law or the Contract, may lead to fines, imprisonment, and/or other serious legal consequences for myself and/or _____ *[Contractor company name]*.
>
> While preparing this declaration and schedule I consulted with others (including attorneys, consultants, or others who work for _____ *[Contractor company name]*) when necessary to ensure that the statements were true and correct.

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

_____ *[signature]*
_____ *[name of declarant]*

3.9.2 DSA OVERSIGHT PROCESS

In connection with the DSA Construction Oversight Process which includes inspection cards and review of changes to the DSA-approved construction documents, the Contractor must (a) include specific tasks in its baseline schedule to take into account these procedures since they are critical path issues; and (b) include a reasonable amount of float in the baseline schedule to accommodate the additional time required by these DSA procedures.

3.9.3 FAILURE TO MEET REQUIREMENTS

Failure of the Contractor to provide proper schedules may, at the sole discretion of Owner, constitute either grounds to withhold, in whole or in part, progress payments to the Contractor, or a breach of contract allowing Owner to terminate the Contract.

3.10 DOCUMENTS AND SAMPLES AT THE SITE

The Contractor shall maintain at the Site for the Owner one applicable copy of Titles 19 and 24 and record copy of the Drawings, Specifications, Addenda, Change Orders, and other Modifications, in good order and marked currently to record changes and selections made during construction. In addition, the Contractor shall maintain at the Site approved Shop Drawings,

Product Data, Samples, and similar required submittals. These documents shall be available to the Owner and shall be delivered to the Owner, or the Architect for delivery to the Owner, upon Completion of the Work.

3.11 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES

3.11.1 SUBMITTALS DEFINED

3.11.1.1 ***Shop Drawings.*** The term "shop drawings" as used herein means drawings, diagrams, schedules, and other data, which are prepared by Contractor, Subcontractors, manufacturers, suppliers, or distributors illustrating some portion of the Work, and includes: illustrations; fabrication, erection, layout and setting drawings; manufacturer's standard drawings; schedules; descriptive literature, instructions, catalogs, and brochures; performance and test data including charts; wiring and control diagrams; and all other drawings and descriptive data pertaining to materials, equipment, piping, duct and conduit systems, and methods of construction as may be required to show that the materials, equipment, or systems and their position conform to the requirements of the Contract Documents. The Contractor shall obtain and submit with the shop drawings all seismic and other calculations and all product data

from equipment manufacturers. "Product data" as used herein are illustrations, standard schedules, performance charts, instructions, brochures, diagrams, and other information furnished by the Contractor to illustrate a material, product, or system for some portion of the Work. As used herein, the term "manufactured" applies to standard units usually mass-produced, and "fabricated" means items specifically assembled or made out of selected materials to meet individual design requirements. Shop drawings shall: establish the actual detail of all manufactured or fabricated items, indicate proper relation to adjoining work, amplify design details of mechanical and electrical systems and equipment in proper relation to physical spaces in the structure, and incorporate minor changes of design or construction to suit actual conditions.

3.11.1.2 ***Samples.*** The term "samples" as used herein are physical examples furnished by Contractor to illustrate materials, equipment, or quality and includes natural materials, fabricated items, equipment, devices, appliances, or parts thereof as called for in the Specifications, and any other samples as may be required by the Owner to determine whether the kind, quality, construction, finish, color, and other characteristics of the materials, etc., proposed by the Contractor conform to the required characteristics of the various parts of the Work. All Work shall be in accordance with the approved samples.

3.11.1.3 ***Contractor's Responsibility.*** Contractor shall obtain and shall submit to Architect all required shop drawings and samples in accordance with Contractor's "Schedule for Submission of Shop Drawings and Samples" provisions in Division 1 of the Specifications and in accordance with the Contractor's original and updated schedules, and with such promptness as to cause no delay in its own Work or in that of any other contractor, Owner or subcontractor but in no event later than ninety (90) days after the execution of the Agreement. Contractor may be assessed $100 a day for each day it is late in submitting a shop drawing or sample. No extensions of time will be granted to Contractor or any Subcontractor because of its failure to have shop drawings and samples submitted in accordance with the Schedule. Each Subcontractor shall submit all shop drawings, samples, and manufacturer's descriptive data for the review of the Owner, the Contractor, and the Architect through the Contractor. By submitting shop drawings, product data, and samples, the Contractor or submitting party (if other than Contractor) represents that it has determined and verified all materials, field measurements, field conditions, catalog numbers, related field construction criteria, and other relevant data in connection with each such submission, and that it has checked, verified, and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents. At the time of submission, any deviation in the shop drawings, product data, or samples from the requirements of the Contract Documents shall be narratively described in a transmittal accompanying the submittal. However, submittals shall not be used as a means of requesting a substitution, the procedure for which is defined in paragraph 3.11.4, "Substitutions." Review by Owner and Architect shall not relieve the Contractor or any Subcontractor from its responsibility in preparing and submitting proper shop drawings in accordance with the Contract Documents. Contractor shall stamp, sign, and date each submittal indicating its representation that the submittal meets all of the requirements of the Contract Documents. Any submission, which in Owner's or Architect's opinion is incomplete, contains numerous errors, or has been checked only superficially by Contractor will be returned unreviewed for resubmission by the Contractor.

3.11.1.4 ***Extent of Review.*** In reviewing shop drawings, the Owner will not verify dimensions and field conditions. The Architect will review and approve shop drawings, product data, and samples for aesthetics and for conformance with the design concept of the Work and the information given in the Contract Documents. The Architect's review shall neither be construed as a complete check nor relieve the Contractor, Subcontractor, manufacturer, fabricator, or supplier from responsibility for any deficiency that may exist or from any departures or deviations from the requirements of the Contract Documents unless the Contractor has, in writing, called the Architect's attention to the deviations at the time of submission and the Architect has given specific written approval. The Architect's review shall not relieve the Contractor or Subcontractors from responsibility for errors of any sort in shop drawings or schedules, for proper fitting of the Work, or from the necessity of furnishing any Work required by the Contract Documents, which may not be indicated on shop drawings when reviewed. Contractor and Subcontractors shall be solely responsible for determining any quantities, whether or not shown on the shop drawings.

3.11.2 **DRAWING SUBMISSION PROCEDURE**

3.11.2.1 ***Transmittal Letter and Other Requirements.*** All shop drawings must be properly identified with the name of the Contract and Contractor's name and dated, and each lot submitted must be accompanied by a letter of transmittal referring to the name of the Contract and Contractor and to the Specification section number for identification of each item clearly stating in narrative form, as well as "clouding" on the submissions, all qualifications, departures, or deviations from the Contract Documents, if any. Shop drawings, for each section of the Work, shall be numbered consecutively, and the numbering system shall be retained throughout all revisions. All Subcontractor submissions shall be made through the Contractor. Each drawing shall have a clear space for the stamps of Architect and Contractor. Only shop drawings required to be submitted by the Contract Documents shall be reviewed.

3.11.2.2 ***Copies Required.*** Each submittal shall include one (1) legible, reproducible sepia and five (5) legible prints of each drawing, including fabrication, erection, layout and setting drawings, and such other drawings as required under the various sections of the Specifications until final acceptance thereof is obtained. Subcontractor shall submit copies, in an amount as requested by the Contractor, of: manufacturers' descriptive data for materials, equipment, and fixtures, including catalog sheets showing dimensions, performance, characteristics, and capacities; wiring diagrams and controls; schedules; all seismic calculations and other calculations; and other pertinent information as required.

3.11.2.3 ***Corrections.*** The Contractor shall make any corrections required by Architect and shall resubmit as required by Architect the required number of corrected copies of shop drawings or new samples until approved. Contractor shall direct specific attention in writing or on resubmitted shop drawings to revisions other than the corrections required by the Architect on previous submissions. Professional services required for more than one (1) re-review of required submittals of shop drawings, product data, or samples are subject to charge to the Contractor pursuant to paragraph 4.4.

3.11.2.4 ***Approval Prior to Commencement of Work.*** No portion of the Work requiring a shop drawing or sample submission shall be commenced until the submission has been reviewed by Owner and approved by Architect unless specifically directed in writing by the Owner. All such portions of the Work shall be in accordance with approved shop drawings and samples.

3.11.3 **SAMPLE SUBMISSIONS PROCEDURE**

3.11.3.1 ***Samples Required.*** In case a considerable range of color, graining, texture, or other characteristics may be anticipated in finished products, a sufficient number of samples of the specified materials shall be furnished by the Contractor to indicate the full range of characteristics, which will be present in the finished products; and products delivered or erected without submittal and approval of full range samples shall be subject to rejection. Except for range samples, and unless otherwise called for in the various sections of the Specifications, samples shall be submitted in duplicate. All samples shall be marked, tagged, or otherwise properly identified with the name of the submitting party, the name of the Contract, the purpose for which the samples are submitted, and the date and shall be accompanied by a letter of transmittal containing similar information, together with the Specification section number for identification of each item. Each tag or sticker shall have clear space for the review stamps of Contractor and Architect.

3.11.3.2 ***Labels and Instructions.*** Samples of materials, which are generally furnished in containers bearing the manufacturers' descriptive labels and printed application instructions, shall, if not submitted in standard containers, be supplied with such labels and application instructions.

3.11.3.3 ***Architect's Review.*** The Architect will review and, if appropriate, approve submissions and will return them to the Contractor with the Architect's stamp and signature applied thereto, indicating the appropriate action in compliance with the Architect's standard procedures.

3.11.3.4 ***Record Drawings and Annotated Specifications.*** The Contractor will prepare and maintain on a current basis an accurate and complete set of Record Drawings showing clearly all changes, revisions, and substitutions during construction, including, without limitation, field changes and the final location of all mechanical equipment, utility lines, ducts, outlets, structural members, walls, partitions, and other significant features, and Annotated Specifications showing clearly all changes, revisions, and substitutions during construction. A copy of such Record Drawings and Annotated Specifications will be delivered to Owner in accordance with the schedule prepared by Contractor. In the event of a specification that allows Contractor to elect one of several brands, makes, or types of material or equipment, the annotations shall show which of the allowable items the Contractor has furnished. The Contractor will update the Record Drawings and Annotated Specifications as often as necessary to keep them current but no less often than weekly. The Record Drawings and Annotated Specifications shall be kept at the Site and available for inspection by the Owner, Inspector of Record and the Architect. On Completion of the Contractor's Work and prior to Application for Final Progress Payment, the Contractor will provide one complete set of Record Drawings and

Annotated Specifications to the Owner, certifying them to be a complete and accurate reflection of the actual construction conditions of the Work.

3.11.3.5 ***Equipment Manuals.*** Contractor shall obtain and furnish to the Owner three (3) complete sets of manuals containing the manufacturers' instructions for maintenance and operation of each item of equipment and apparatus furnished under the Contract Documents and any additional data specifically requested under the various sections of the Specifications for each division of the Work. The manuals shall be arranged in proper order, indexed, and placed in three-ring binders. At the Completion of its Work, the Contractor shall certify, by endorsement thereon, that each of the manuals is complete, accurate, and covers all of its Work. Prior to submittal of Contractor's Application for Final Progress Payment, and as a further condition to its approval by the Architect, each Subcontractor shall deliver the manuals, arranged in proper order, indexed, endorsed, and placed in three-ring binders, to the Contractor, who shall assemble these manuals for all divisions of the Work, review them for completeness, and submit them to the Owner through the Architect.

3.11.3.6 ***Owner's Property.*** All shop drawings and samples submitted shall become the Owner's property.

3.11.4 **SUBSTITUTIONS**

3.11.4.1 ***One Product Specified.*** Unless the Specifications state that no substitution is permitted, whenever in the Contract Documents any specific article, device, equipment, product, material, fixture, patented process, form, method, or type of construction is indicated or specified by name, make, trade name, or catalog number, with or without the words "or equal," such specification shall be deemed to be used for the purpose of facilitating description of material, process, or article desired and shall be deemed to be followed by the words "or equal." Contractor may, unless otherwise stated, offer any material, process, or article, which shall be substantially equal or better in every respect to that so indicated or specified and will completely accomplish the purpose of the Contract Documents.

3.11.4.2 ***Two or More Products Specified.*** When two or more acceptable products are specified for an item of the Work, the choice will be up to the Contractor. Contractor shall utilize the same product throughout the Project. If a timely substitution request as set forth in Section 3.11.4.3 is not provided and an "or equal" substitution is requested, the Owner may consider the substitution if the product specified is no longer commercially available. If the Owner allows the substitution to be proposed pursuant to such an untimely request, the Contractor will be responsible for the professional fees incurred by the Architect or Architect's consultants in reviewing the proposed substitution which fees may be withheld from progress payments and/or retention.

3.11.4.3 ***Substitution Request Form.*** Requests for substitutions of products, materials, or processes other than those specified must be made on the Substitution Request form available from the Owner prior to the date of the bid opening. Any Requests submitted less than fourteen (14) days prior to the date of the bid opening will not be considered, except as noted in paragraph 3.11.4.2. A Substitution Request must be accompanied by evidence as to whether or not the

proposed substitution: is equal in quality and serviceability to the specified item; will entail no changes in detail and construction of related work; will be acceptable in consideration of the required design and artistic effect; will provide no cost disadvantage to Owner; and will require no excessive or more expensive maintenance, including adequacy and availability of replacement parts. The burden of proof of these facts shall be upon the Contractor. The Contractor shall furnish with its request sufficient information to determine whether the proposed substitution is equivalent including but not limited to all drawings, specifications, samples, performance data, calculations, and other information as may be required to assist the Architect and the Owner in determining whether the proposed substitution is acceptable. The final decision shall be the Owner's. The written approval of the Owner, consistent with the procedure for Change Orders, shall be required for the use of a proposed substitute material. Owner may condition its approval of the substitution upon delivery to Owner of an extended warranty or other assurances of adequate performance of the substitution. All risks of delay due to the Division of the State Architect's approval, or the approval of any other governmental agency having jurisdiction, of a requested substitution shall be on the requesting party.

3.11.4.4 ***List of Manufacturers and Products Required.*** The Subcontractor shall prepare and submit to the Contractor within thirty (30) days of execution of the Subcontract comprehensive lists, in quadruplicate, of the manufacturers and products proposed for the Project, including information on materials, equipment, and fixtures required by the Contract Documents, as may be required for Contractor's or Architect's preliminary approval. Approval of such lists of products shall not be construed as a substitute for the shop drawings, manufacturer's descriptive data, and samples, which are required by the Contract Documents, but rather as a base from which more detailed submittals shall be developed for the final review of the Contractor and the Architect.

3.11.5 DEFERRED APPROVALS

Deferred approvals shall be submitted and processed pursuant to the requirements of Division 1 of the Specifications. All risks of delay due to the Division of the State Architect's, or any other governmental agency having jurisdiction, approval of a deferred approval shall be on the requesting party.

3.12 CUTTING AND PATCHING

3.12.1 SCOPE

The Contractor shall be responsible for cutting, fitting, or patching required to Complete the Work or to make its parts fit together properly.

3.12.2 CONSENT

The Contractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or a separate contractor by cutting, patching, or otherwise altering such construction, or by excavation. The Contractor shall not cut or otherwise alter such construction by the Owner or a separate contractor except with written consent of the Owner and

of such separate contractor; such consent shall not be unreasonably withheld. The Contractor shall not unreasonably withhold from the Owner or a separate contractor the Contractor's consent to cutting or otherwise altering the Work. All cutting shall be done promptly, and all repairs shall be made as necessary.

3.12.3 STRUCTURAL MEMBERS

New or existing structural members and elements, including reinforcing bars and seismic bracing, shall not be cut, bored, or drilled except by written authority of the Architect. Work done contrary to such authority is at the Contractor's risk, subject to replacement at its own expense and without reimbursement under the Contract. Agency approvals shall be obtained by the Architect, not by the Contractor.

3.12.4 SUBSEQUENT REMOVAL

Permission to patch any areas or items of the Work shall not constitute a waiver of the Owner's or the Architect's right to require complete removal and replacement of the areas of items of the Work if, in the opinion of the Architect or the Owner, the patching does not satisfactorily restore quality and appearance of the Work or does not otherwise conform to the Contract Documents. Any costs caused by defective or ill-timed cutting or patching shall be borne by the person or entity responsible.

3.13 CLEANING UP

3.13.1 CONTRACTOR'S RESPONSIBILITY

The Contractor shall keep the Site and surrounding area free from accumulation of waste material or rubbish caused by operations under the Contract. The Site shall be maintained in a neat and orderly condition. All crates, cartons, paper, and other flammable waste materials shall be removed from Work areas and properly disposed of at the end of each day. The Contractor shall continuously remove from and about the Site the waste materials, rubbish, tools, construction equipment, machinery, and materials no longer required for the Work.

3.13.2 FAILURE TO CLEANUP

If the Contractor fails to clean up as provided in the Contract Documents, the Owner may do so, without prior notice to the Contractor and the cost thereof shall be invoiced to the Contractor and withheld from progress payments and/or retention. Each Subcontractor shall have the responsibility for the cleanup of its own Work. If the Subcontractor fails to clean up, the Contractor must do so.

3.13.3 CONSTRUCTION BUILDINGS

When directed by the Owner or the Architect, Contractor and Subcontractor shall dismantle temporary structures, if any, and remove from the Site all construction and installation equipment, fences, scaffolding, surplus materials, rubbish, and supplies belonging to Contractor

or Subcontractor. If the Contractor does not remove the tools, equipment, machinery, and materials within fifteen (15) days after Completion of its Work, then they shall be deemed abandoned, and the Owner can dispose of them for its own benefit in whatever way it deems appropriate. Contractor shall pay for any costs to dispose of the items.

3.14 ACCESS TO WORK

The Contractor shall provide the Owner, the Architect, and the Inspector of Record, access to the Work in preparation and progress wherever located.

3.15 ROYALTIES AND PATENTS

3.15.1 PAYMENT AND INDEMNITY

The Contractor shall pay all royalties and license fees. The Contractor shall defend suits or claims of infringement of patent rights and shall hold the Owner and the Architect harmless and indemnify them, to the extent not caused by the Owner's active negligence, sole negligence or willful misconduct, from loss on account thereof but shall not be responsible for such defense or loss when a particular design, process, or product of a particular manufacturer is required by the Contract Documents. However, if the Contractor has reason to believe the required design, process, or product is an infringement of a patent, the Contractor shall be responsible for such loss unless such information is promptly furnished to the Owner and Architect.

3.15.2 REVIEW

The review by the Owner or Architect of any method of construction, invention, appliance, process, article, device, or material of any kind shall be for its adequacy for the Work and shall not be an approval for the use by the Contractor in violation of any patent or other rights of any person or entity.

3.16 INDEMNIFICATION

3.16.1 SCOPE: CONTRACTOR

To the fullest extent permitted by law, the Contractor shall defend, indemnify, and hold harmless the Owner, any construction manager, Architect, Architect's consultants, the Inspector of Record, the State of California, and their respective agents, employees, officers, volunteers, Boards of Trustees, members of the Boards of Trustees, and directors ("Indemnitees"), from and against claims, actions, damages, liabilities, losses (including but not limited to injury or death of persons, property damage, and compensation owed to other parties), and expenses (including but not limited to attorneys' fees and costs including fees of consultants) alleged by third parties against Indemnitees arising out of or resulting from the following: Contractor's, its Subcontractors', or its suppliers' performance of the Work, including but not limited to the Contractor's or its Subcontractors' use of the Site; the Contractor's or its Subcontractors' construction of the Project, or failure to construct the Project, or any portion thereof; the use, misuse, erection, maintenance, operation, or failure of any machinery or equipment including,

but not limited to, scaffolds, derricks, ladders, hoists, and rigging supports, whether or not such machinery or equipment was furnished, rented, or loaned by any of the Indemnitees; or any act, omission, negligence, or willful misconduct of the Contractor or its Subcontractors or their respective agents, employees, material or equipment suppliers, invitees, or licensees but only to the extent caused in whole or in part by the acts or omissions of the Contractor, its Subcontractors, its suppliers, anyone directly or indirectly employed by any of them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity, which would otherwise exist as to a party, person, or entity described in this paragraph. The obligation to defend, indemnify and hold harmless includes any claims or actions by third parties arising out of or resulting from Labor Code section 2810. Contractor shall have no obligation to defend or indemnify the Indemnitees against claims, actions, damages, liabilities, losses, and expenses caused by the active negligence, sole negligence or willful misconduct of Indemnitees. This indemnification shall apply to all liability, as provided for above, regardless of whether any insurance policies are applicable, and insurance policy limits do not act as a limitation upon the amount of the indemnification to be provided by the Contractor.

3.16.2 **SCOPE: SUBCONTRACTORS**

3.16.2.1 ***Indemnity.*** The Subcontractors shall defend, indemnify, and hold harmless the Indemnitees from and against claims, actions, damages, liabilities, and losses (including but not limited to injury or death of persons, property damage, and compensation owed to other parties), and expenses (including but not limited to attorneys' fees and costs including fees of consultants) alleged by third parties against Indemnitees arising out of or resulting from the following: Subcontractors' performance of the Work, including but not limited to the Subcontractors' use of the Site; the Subcontractors' construction of the Project or failure to construct the Project or any portion thereof; the use, misuse, erection, maintenance, operation, or failure of any machinery or equipment, including, but not limited to, scaffolds, derricks, ladders, hoists, and rigging supports, whether or not such machinery or equipment was furnished, rented, or loaned by any of the Indemnitees; or any act, omission, negligence, or willful misconduct of the Subcontractors or their respective agents, employees, material or equipment suppliers, invitees, or licensees but only to the extent caused in whole or in part by the acts or omissions of the Subcontractors, anyone directly or indirectly employed by any of them, or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity, which would otherwise exist as to a party, person, or entity described in this paragraph. This obligation to defend, indemnify and hold harmless includes any claims or actions by third parties arising out of or resulting from Labor Code section 2810. Subcontractors shall have no obligation to defend or indemnify the Indemnitees against claims, actions, damages, liabilities, losses, and expenses caused by the active negligence, sole negligence or willful misconduct of Indemnitees. This indemnification shall apply to all liability, as provided for above, regardless of whether any insurance policies are applicable, and insurance policy limits do not act as a limitation upon the amount of the indemnification to be provided by the Subcontractors.

3.16.2.2 ***Joint and Several Liability.*** In the event more than one Subcontractor is connected with an accident or occurrence covered by this indemnification, then all such Subcontractors shall be jointly and severally responsible to each of the Indemnitees for indemnification, and the ultimate responsibility among such indemnifying Subcontractors for the loss and expense of any such indemnification shall be resolved without jeopardy to any Indemnitee. The provisions of the indemnity provided for herein shall not be construed to indemnify any Indemnitee for its own negligence if not permitted by law or to eliminate or reduce any other indemnification or right which any Indemnitee has by law or equity.

3.16.3 **NO LIMITATION**

The Contractor's and the Subcontractor's obligation to indemnify and defend the Indemnitees hereunder shall include, without limitation, any and all claims, damages, and costs: for injury to persons and property (including loss of use), and sickness, disease or death of any person; for breach of any warranty, express or implied; for failure of the Contractor or the Subcontractor to comply with any applicable governmental law, rule, regulation, or other requirement; and for products installed in or used in connection with the Work.

3.17 OWNER AS INTENDED BENEFICIARY

The Owner is an intended beneficiary of any architectural or engineering work secured by, or performed by, the Contractor to fulfill its obligations under the Contract. Contractor shall state in its contracts with architectural or engineering consultants that their work is for the intended benefit of the Owner.

3.18 NOTICE OF EXCUSE FOR NONPERFORMANCE

If Contractor believes that acts or omissions of Owner (including but not limited to Owner caused delay) have prevented Contractor from performing the Work as required by the Contract Documents and Contractor intends to rely on Owner's acts or omissions and Civil Code section 1511(1) as reasons to excuse Contractor's nonperformance or to support, among other things, Contractor's requests for time extensions under section 4.5, below, Contractor shall provide written notice of the excuse within five (5) days of the Owner's acts or omissions. If Contractor fails to timely submit the written notice, Contractor shall have waived any right to later rely on the acts or omissions as a defense to Contractor's nonperformance or as the basis for a time extension, regardless of the merits of the defense or time extension. Contractor will not have satisfied a condition precedent or exhausted administrative remedies. Contractor acknowledges that these written notices are of critical importance to the Owner's management of the Work and Project and the mitigation of costs and delays to the Work and Project.

ARTICLE 4

ADMINISTRATION OF THE CONTRACT

4.1 ARCHITECT

4.1.1 DEFINITION

The Architect is the person lawfully licensed to practice architecture or an entity lawfully practicing architecture identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number. The term "Architect" means the Architect or the Architect's authorized representative, and shall also refer to all consultants under the Architect's direction and control.

4.1.2 MODIFICATION

To the extent the Contract Documents indicate that Owner has assigned duties or responsibilities to the Architect, Owner reserves the right at all times to reassign such duties or responsibilities to different Owner representatives.

4.1.3 TERMINATION

In the case of the termination of the Architect, the Owner may appoint an architect or another construction professional or may perform such functions with its own licensed professional personnel. The status of the replacement Architect under the Contract Documents shall be that of the former architect.

4.2 ARCHITECT'S ADMINISTRATION OF THE CONTRACT

4.2.1 STATUS

The Architect will provide administration of the Contract and may be one of several Owner's representatives during construction, through release of all retention, and during the one (1) year period following the commencement of any warranties. The Architect will advise and consult with the Owner. The Architect will have authority to act on behalf of the Owner only to the extent set forth in the Owner/Architect agreement. The Architect will have all responsibilities and power established by law, including California Code of Regulations, Title 24, to the extent set forth in the Owner/Architect agreement.

4.2.2 SITE VISITS

The Architect will visit the Site at intervals necessary in the judgment of the Architect or as otherwise agreed by the Owner and the Architect in writing to become generally familiar with the progress and quality of the completed Work and to determine in general if the Work is being performed in a manner indicating that the Work, when Completed, will be in accordance with the

Contract Documents.

4.2.3 LIMITATIONS OF CONSTRUCTION RESPONSIBILITY

The Contractor shall not be relieved of obligations to perform the Work in accordance with the Contract Documents either by activities or duties of the Architect in the Architect's administration of the Contract Documents, or by tests, inspections, or approvals required or performed by persons other than the Contractor.

4.2.4 COMMUNICATIONS FACILITATING CONTRACT ADMINISTRATION

The Owner and the Contractor shall communicate through the Architect, unless there is a construction manager for the Project or the Owner directs otherwise. Communications between Owner and Subcontractors or material or equipment suppliers shall be through the Contractor.

4.2.5 PAYMENT APPLICATIONS

The Contractor shall submit payment applications to the Architect, unless there is a construction manager for the Project or the Owner directs otherwise.

4.2.6 REJECTION OF WORK

The Architect, Inspector of Record, any construction manager and others may recommend to the Owner that the Owner reject Work which does not conform to the Contract Documents or that the Owner require additional inspection or testing of the Work in accordance with paragraph 13.5.5, whether or not the Work is fabricated, installed, or completed. However, no recommendation shall create a duty or responsibility to the Contractor, Subcontractors, material and equipment suppliers, their agents or employees, or other persons performing portions of the Work.

4.2.7 CHANGE ORDERS

The Architect will prepare change orders and construction change directives and may authorize minor changes in the Work.

4.2.8 WARRANTIES UPON COMPLETION

The Architect in conjunction with the Inspector of Record, or as otherwise directed by Owner, will conduct field reviews of the Work to determine the date of Completion, shall receive and forward to the Owner for the Owner's review and records, written warranties and related documents required by the Contract and assembled by the Contractor. The handling by the Architect of such warranties, maintenance manuals, or similar documents shall not diminish or transfer to the Architect any responsibilities or liabilities required by the Contract Documents of the Contractor or other entities, parties, or persons performing or supplying the Work.

Except as may be otherwise directed by Owner, the Architect will conduct a field review of the Contractor's comprehensive list of items to be completed or corrected for development of a punch list and one (1) follow-up field review if required. The cost incurred by the Owner for further field reviews or the preparation of further punch lists by the Architect shall be invoiced to the Contractor and withheld from payment and/or retention.

4.2.9 INTERPRETATION

The Architect, Inspector of Record, any construction manager, the Owner or any independent consultant of Owner, as Owner deems appropriate, will interpret and decide matters concerning performance under and requirements of the Contract Documents on written request of the Contractor. The Owner's response to such requests will be made with reasonable promptness, while allowing sufficient time to permit adequate review and evaluation of the request.

4.2.10 ADDITIONAL INSTRUCTIONS

4.2.10.1 ***Architect's Interpretations and Decisions.*** Interpretations and decisions of the Architect will be consistent with the intent of and reasonably inferable from the Contract Documents and will be in writing or in the form of drawings. When making such interpretations of and decisions regarding the Contract Documents, the Architect will endeavor to secure faithful performance under the Contract Documents by both the Owner and the Contractor and will not show partiality to either. The Work shall be executed in conformity with, and the Contractor shall do no work without, approved drawings, Architect's clarifying instructions, and/or submittals.

4.2.10.2 ***Typical Parts and Sections.*** Whenever typical parts or sections of the Work are completely detailed on the Drawings, and other parts or sections which are essentially of the same construction are shown in outline only, the complete details shall apply to the Work which is shown in outline.

4.2.10.3 ***Dimensions.*** Dimensions of Work shall not be determined by scale or rule. Figured dimensions shall be followed at all times. If figured dimensions are lacking on Drawings, Architect shall supply them on request. The Owner's decisions on matters relating to aesthetic effect will be final if consistent with the Contract Documents.

4.3 INSPECTOR OF RECORD

4.3.1 GENERAL

One or more Project inspectors ("Inspector of Record") employed by the Owner and approved by the Division of the State Architect will be assigned to the Work in accordance with the requirements of Title 24 of the California Code of Regulations. The Inspector of Record's duties will be as specifically defined in Title 24.

4.3.2 INSPECTOR OF RECORD'S DUTIES

All Work shall be under the observation of or with the knowledge of the Inspector of Record. The Inspector of Record shall have free access to any or all parts of the Work at any time. The Contractor shall furnish the Inspector of Record such information as may be necessary to keep the Inspector of Record fully informed regarding progress and manner of work and character of materials. Such observations shall not, in any way, relieve the Contractor from responsibility for full compliance with all terms and conditions of the Contract, or be construed to lessen to any degree the Contractor's responsibility for providing efficient and capable superintendence. The Inspector of Record is not authorized to make changes in the drawings or specifications nor shall the Inspector of Record's approval of the Work and methods relieve the Contractor of responsibility for the correction of subsequently discovered defects, or from its obligation to comply with the Contract Documents.

4.3.3 INSPECTOR OF RECORD'S AUTHORITY TO REJECT OR STOP WORK

The Inspector of Record shall have the authority to reject work that does not comply with the provisions of the Contract Documents. In addition, the Inspector of Record may stop any work which poses a probable risk of harm to persons or property. The Contractor shall instruct its employees, Subcontractors, material and equipment suppliers, etc., accordingly. The absence of any Stop Work order or rejection of any portion of the Work shall not relieve the Contractor from any of its obligations pursuant to the Contract Documents.

4.3.4 INSPECTOR OF RECORD'S FACILITIES

Within seven (7) days after notice to proceed, the Contractor shall provide the Inspector of Record with the temporary facilities as required under Division 1 of the Specifications.

4.4 RESPONSIBILITY FOR ADDITIONAL CHARGES INCURRED BY THE OWNER FOR PROFESSIONAL SERVICES

If at any time prior to the Completion of the requirements under the Contract Documents, through no fault of its own, the Owner is required to provide or secure additional professional services for any reason by any act or omission of the Contractor, the Contractor shall be invoiced by the Owner for any actual costs incurred for any such additional services, which costs may, among other remedies, be withheld from the progress payments and/or retention. Such invoicing shall be independent from any other Owner remedies, including but not limited to liquidated damages. If payments then or thereafter due to the Contractor are not sufficient to cover such amounts, the Contractor shall pay the difference to the Owner. Additional services shall include, but shall not be limited to, the following:

A. Services made necessary by the default of the Contractor.

B. Services made necessary due to the defects or deficiencies in the Work of the Contractor.

C. Services required by failure of the Contractor to perform according to any provision of the Contract Documents.

D. Services in connection with evaluating substitutions of products, materials, equipment, Subcontractors proposed by the Contractor, and making subsequent revisions to drawings, specifications, and providing other documentation required (except for the situation where the specified item is no longer manufactured or available).

E. Services for evaluating and processing Claims submitted by the Contractor in connection with the Work outside the established Change Order process.

F. Services required by the failure of the Contractor to prosecute the Work in a timely manner in compliance within the specified time for Completion.

G. Services in conjunction with the testing, adjusting, balancing and start-up of equipment other than the normal amount customarily associated for the type of Work involved.

H. Services in conjunction with more than one (1) re-review of required submittals of shop drawings, product data, and samples.

4.5 NOTICES OF POTENTIAL CHANGE, CHANGE ORDER REQUESTS, AND CLAIMS

If the Contractor identifies the potential for extra work, delay in the critical path schedule, or the need for additional money or time, or if the Contractor requests additional money or time, or if the Contractor believes that Owner has failed to pay amounts due or otherwise breached the Contract, or otherwise believes that it is entitled to a modification of the Contract terms and conditions, then Contractor shall follow the procedures in this Section 4.5 and Article 7, otherwise Contractor shall have waived its rights to pursue those issues and any later attempts to recover money or obtain a modification shall be barred. Contractor specifically acknowledges the Owner's and public's interest in, and need to know of, potential changes and disputes as early as possible so Owner can investigate, mitigate and resolve adverse cost and time impacts, if any. It is Contractor's obligation to know and comply with the requirements of Section 4.5 and Article 7, and Owner has no obligation to notify Contractor of any failure to comply with those requirements.

4.5.1 NOTICE OF POTENTIAL CHANGE

Contractor shall submit a written Notice of Potential Change for extra work, critical path delay, or additional money or time. Contractor shall submit written Notices of Potential Change to Owner within five (5) days of Contractor becoming aware of the issues creating the potential for change, unless the issues are, or may soon be, adversely affecting the costs or critical path of the Work, in which case the Contractor must submit the written notice without delay so the Owner may take immediate action to mitigate cost and schedule impacts of the change, if any. The

written notice shall explain the nature of the potential change so the Owner may take action to mitigate costs and schedule impacts, if necessary.

When submitting a written Notice of Potential Change based on extra work, Contractor shall not perform the extra work until directed in writing to do so by Owner. When submitting a written Notice of Potential Change for an issue of critical path delay, Contractor shall proactively mitigate the effects of the alleged delay as much as reasonably possible so as to minimize any impact to the schedule, until otherwise directed by Owner. If Contractor intends to rely on Owner's acts or omissions in support of a request for a time extension, then Contractor must also provide the notice set forth in section 3.18, above.

Failure to timely submit a written Notice of Potential Change shall constitute a complete waiver by Contractor of any right to later submit a change order request or pursue a Claim on that issue, or to later pursue any additional money or time extensions in any manner related to that issue, regardless of the merits. Contractor will not have satisfied a condition precedent or exhausted administrative remedies. Contractor acknowledges that these written notices are of critical importance to the Owner's Work and Project management and the mitigation of Work and Project costs and delays.

4.5.2 CHANGE ORDERS REQUESTS

If, after submitting a written Notice of Potential Change pursuant to Section 4.5.1, Contractor continues to believes that it is entitled to additional money or time (including but not limited to grant of a time extension; payment of money or damages arising from work done by, or on behalf of, the Contractor, payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to; or an amount the payment of which is disputed by the Owner) based on an issue, then Contractor shall submit a Change Order Request ("COR") to Owner within twenty (20) days of (i) becoming aware of the issues creating a potential change, or (ii) the date by which it should have become aware of the issues creating a potential change. A rejection at any time or a lack of a rejection by Owner of a Notice of Potential Change does not affect the timeline for submitting a COR.

Failure to timely submit a COR related to an issue, or failure to comply with any of the COR requirements in the Contract shall constitute a complete waiver by Contractor of any right to later submit a COR or Claim on that issue, or to later pursue any additional money (including time extensions) in any manner related to that issue, regardless of the merits. Contractor will not have satisfied a condition precedent or exhausted administrative remedies.

The COR shall state the grounds for the additional money or time requested and the amount of money or time requested, and Contractor shall include all information supporting the COR.

Contractor shall certify the COR using the form set forth in Section 4.5.5.1, except that every reference to "Claim" shall be changed to "COR." If a COR is submitted without certification, a certification can still be submitted within the timelines set forth in the first paragraph of section 4.5.2. If the COR is not timely certified, Contractor will have completely waived its rights to

any money or time for that issue. Contractor will not have satisfied a condition precedent or exhausted administrative remedies.

The Owner may accept the entire COR, accept part of the COR and reject the remainder, reject the entire COR, or request additional information. If the Owner does not respond within thirty (30) days by accepting the entire COR, accepting part of the COR and rejecting the remainder, or requesting additional information, the entire COR shall be deemed rejected as of the thirtieth (30th) day. If the Owner requests additional information, then the Contractor shall submit the information within fifteen (15) days of the date of the request and the Owner shall have fifteen (15) days after the receipt of the additional information to accept or reject (in whole or in part) the COR. If the Owner fails to respond within fifteen (15) days after the submission of additional information, the entire COR shall be deemed rejected as of the fifteenth (15th) day.

4.5.3 **DEFINITION OF CLAIM**

A "Claim" is a separate demand by the Contractor sent by registered or certified mail, return receipt requested, for (a) a time extension, including, without limitation, a request for relief from damages or penalties for delay assessed by Owner under the Contract Documents; (b) payment by Owner of money or damages arising from work done by, or on behalf of, the Contractor pursuant to the Contract Documents, and payment of which is not otherwise expressly provided for or the claimant is not otherwise entitled to; or (c) an amount the payment of which is disputed by the Owner. A Claim includes any claim within the scope of Public Contract Code section 20104 et seq. Resubmittal in any manner of a COR which was previously rejected under Section 4.5.2 constitutes a Claim, whether the COR was rejected in whole or in part, and whether the COR was rejected expressly or deemed rejected by Owner inaction. A Claim includes any dispute Contractor may have with the Owner, including one which does not require a Notice of Potential Change or COR under Sections 4.5.1 and 4.5.2, and includes an alleged breach of contract by the Owner. A Claim under this Article 4.5 shall also constitute a claim for purposes of the California False Claims Act. In the event of a conflict between a Claims provision in Division 1 of the Specifications and Section 4.5, Section 4.5 shall take precedence.

The Notice of Potential Change and COR procedures above are less formal procedures which precede the more formal Claim. A Notice of Potential Change does not constitute a Claim. A COR does not constitute a Claim; **except that** if insufficient time remains before the Claim deadline (see Article 4.5.4) for Contractor to submit a COR and for Owner to process and reject the COR under Article 4.5.2, then either (1) Contractor may submit a COR which Owner shall treat as a Claim, but only if the COR complies with all requirements in this Article 4.5 and Article 7 for COR's and Claims, or (2) a COR is not required so long as a Claim complying with this Article 4.5 is timely submitted.

A Claim does not include vouchers, invoices, progress payment applications, or other routine or authorized forms of requests for progress payments on the Contract; however, those documents remain "claims" for purposes of the California False Claims Act. A Claim does not include a Government Code Claim. ("Government Code Claim" means a claim under Government Code sections 900 et seq. and 910 et seq.)

4.5.4 TIME FOR SUBMITTING CLAIM; WAIVER

Contractor shall submit a Claim to the Owner's construction manager (or in the absence of a construction manager, to Architect and Owner) within thirty (30) days of the Owner's rejection of a COR in whole or in part, or of a COR being deemed rejected, pursuant to Section 4.5.2 above; but if a Claim has not been submitted as of the date that the Contractor Completes the Work and submittal of the Claim was not yet required under the Contract Documents, then the Claim shall be submitted within seven (7) days of Completion of the Work, and such Claim shall not be barred due to lack of a Notice of Potential Change or COR if the deadline for the Notice of Potential Change or COR was after Completion of the Work.

In addition, within seven (7) days of Completion of the Work, Contractor shall submit to Owner, in writing, a list and summary of all Claims for money or time extensions under or arising out of this Contract which were timely filed, which were fully compliant with the Contract's requirements for Claims, and which the Contractor wishes to pursue in whole or in part. This Claim summary requirement shall not extend the time for submitting a Claim.

Failure to timely submit a Claim or Claim summary, failure to specifically identify a Claim in the Claim summary, or failure to comply with any of the requirements in the Contract for a Claim, including but not limited to this Article 4, will act as a complete waiver of Contractor's rights to (a) recover money or time on the issues for which a Claim was required, (b) submit a Government Code Claim for the money or time (see Section 4.5.6.4), and (c) initiate any action, proceeding or litigation for the money or time, regardless of the merits; Contractor will not have satisfied a condition precedent or exhausted administrative remedies. Owner does not have an obligation to reject the Claim for a failure to comply with any of the Claim requirements in the Contract, including the lack of certification, and any failure by Owner to reject, or any delay in rejecting, a Claim on that basis does not waive the Owner's right to reject the Claim on that basis at a later time. In no event may the Contractor reserve its rights to assert a Claim for a time extension or additional money beyond the timelines set forth in this provision unless the Owner agrees in writing to allow the reservation.

4.5.5 CONTENT OF CLAIM

4.5.5.1 *Claim Format; Waiver*

Every Claim shall be in writing. All money or time extensions sought must be stated and itemized in the Claim at the time submitted. The responsibility to substantiate Claims shall rest with the Contractor, and the Contractor shall furnish reasonable documentation to support each Claim, including as applicable, that documentation set forth in sections 4.5.5.2 through 4.5.5.4. In addition, the Contractor shall include a certification with each and every Claim at the time of submission, as follows:

> I, _____ *[name of declarant]*, declare the following:
>
> _____ *[Contractor company name]* has contracted with ____ *[public entity name]* for the _____ Contract ("Contract").

_____ *[Contractor company name]* authorized me to prepare the attached Claim for money and/or time extension for _____ *[public entity name]* regarding this Contract (such Claim being dated _____, 20__, and entitled _____, and requesting $_____ and/or ___ additional days), and I prepared the attached Claim. I am the most knowledgeable person at _____ *[Contractor company name]* regarding this Claim.

The attached Claim complies with all laws applicable to submission of a Claim, including but not limited to California Penal Code section 72, Government Code sections 12650 et seq. (False Claims Act), and Business and Professions Code sections 17200 et seq. (Unfair Business Practices Act). I am aware that submission or certification of false claims, or other claims that violate law or the Contract, may lead to fines, imprisonment, and/or other serious legal consequences for myself or _____ *[Contractor company name]*.

The attached Claim does not breach the Contract, is not a false claim, does not violate any applicable law, satisfies all provisions of the Contract applicable to submission of the Claim, only contains truthful and accurate supporting data, and only requests money and/or time extensions that accurately reflect the adjustments to money and time for which I believe that _____ *[public entity name]* is responsible under its Contract with _____ *[Contractor company name]*.

While preparing this declaration and Claim I consulted with others (including attorneys, consultants, or others who work for _____ *[Contractor company name]*) when necessary to ensure that the statements were true and correct.

Contractor understands and agrees that any Claim submitted without this certification does not meet the terms of the Contract Documents; that Owner, or Owner's representatives, may reject the Claim on that basis; and that unless Contractor properly and timely files the Claim with the certification, Contractor cannot further pursue the Claim in any forum and all rights to additional money or time for the issues covered by the Claim are waived due to a condition precedent not having been satisfied.

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

_____ *[signature]*
_____ *[name of declarant]*

Contractor's failure to timely submit a certification will constitute a complete waiver of Contractor's rights to (a) recover money or time on the issues for which a Claim was required, (b) submit a Government Code Claim (see Section 4.5.6.3) for the money or time, and (c) initiate any action, proceeding or litigation for the money or time. Contractor will not have satisfied a condition precedent or exhausted administrative remedies.

4.5.5.2 *Claims for Additional Money*

Each Claim for additional money (including but not limited to those described in (b) and (c) of the first paragraph of Section 4.5.3) must include all facts supporting the Claim, including but not limited to all supporting documentation plus a written analysis as to (a) why the claimed cost was incurred, (b) why Contractor could not mitigate its costs, (c) why the claimed cost is the responsibility of the Owner, and (d) why the claimed cost is a reasonable amount. In no event will the Contractor be allowed to reserve its rights to assert a Claim for money at a later time, unless the Owner expressly agrees in writing to allow the reservation. Any costs, direct or indirect, not asserted shall be waived. A Claim may not include any costs incurred in preparation of the Claim or in preparation of any underlying COR, including but not limited to costs of delay analysis.

4.5.5.3 *Claims for Additional Time*

4.5.5.3.1 *Notice of Extent of Claim*

If the Contractor wishes to make a Claim for an increase in the Contract Time (including but not limited to Section 4.5.3(a)), the Claim shall include, but not be limited to, all facts supporting the Claim, all documentation of such facts, all information required by the Contract Documents, and a current schedule and delay analysis explaining (a) the nature of the delay, (b) the Owner's responsibility for the claimed delay, (c) the claimed delay's impact on the critical path, (d) the claimed delay's impact on the date of Completion (including an analysis of any float still remaining and whether the alleged delay in work exceeds such remaining float), and (e) why Contractor could not mitigate the delay impacts.

In the case of a continuing delay, only one (1) initial Claim is necessary that is based on estimates of when the continuing delay will end, but within thirty (30) days of the end of the continuing delay an updated final Claim must be submitted, which shall also be certified. In no event will the Contractor be allowed to reserve its rights to assert a Claim for a time extension, unless the Owner expressly agrees in writing to allow the reservation. Any time extension not asserted shall be waived.

4.5.5.3.2 *Unusually Severe Weather Claims*

If unusually severe weather is the basis for a Claim for additional time, Contractor must provide Owner data and facts showing that the weather conditions were abnormal for the period of time, could not have been reasonably anticipated or mitigated, and had an adverse effect on the critical path of the scheduled construction.

4.5.5.4 ***"Pass Through" Claims***

A Subcontractor or supplier to Contractor may not submit a request for additional time or money directly to the Owner. If a subcontractor or supplier submits a request for additional money or time to Contractor and Contractor wishes to pass it through to Owner, then Contractor must comply with all requirements of Section 4.5, including Notices of Potential Change, Change Order Requests, and Claims, and Public Contract Code section 9204(d)(5). Contractor must prepare and submit its own analysis of the Subcontractor's request, and the Claim must include a copy of the Subcontractor's request along with any other necessary supporting documentation.

In addition to the other requirements in the Contract Documents, including but not limited to this Section 4.5, the Contractor's analysis of the Subcontractor's request must include Contractor's detailed explanation as to why the Subcontractor or supplier's request is the Owner's responsibility, including Contractor's analysis of (a) why the amount of damages the Subcontractor or supplier requests is justified and appropriate, (b) how Contractor's breach of the subcontract caused the Subcontractor or supplier to incur these damages, and (c) how the Owner's breach of the Contract caused the Contractor's breach of the subcontract. Any Contractor Claim that fails to include the above information, or that states that Owner is responsible for the Subcontractor's request only in the event that Contractor is found to owe money to Subcontractor, shall act as a complete waiver of Contractor's rights to (a) recover money or time on the issues for which a Claim was required, (b) submit a Government Code Claim (see Section 4.5.6.4) for the money or time, and (c) initiate any action, proceeding or litigation for the money or time. Contractor will not have satisfied a condition precedent or exhausted administrative remedies.

4.5.6 PROCEDURES FOR CLAIMS (PUBLIC CONTRACT CODE SECTION 9204)

Claims are subject to this section 4.5.6 and Public Contract Code section 9204, as well as the separate procedures and substantive provisions of Sections 4.5.1 through 4.5.5 and the rest of the Contract Documents. Claims of $375,000 or less must also comply with Public Contract Code sections 20104 et seq., but to the extent that one of the procedures in Sections 20104 et seq. conflicts with the procedures in Section 9204, the requirements of Section 9204 shall control.

4.5.6.1 ***Claims***

The Owner shall conduct a reasonable review of the Claim and shall respond in writing to any written Claim within 45 days of receipt of the Claim. During that 45-day period, plus any extension, Owner may request, in writing, additional documentation supporting the Claim or relating to defenses to the Claim the Owner may have against the Contractor. Owner shall review any additional documentation Contractor supplies in response to that request within the 45 day, plus any extension, timeline.

After receipt of a Claim, the 45-day period may be extended by Owner and Contractor. The written response shall identify which portion of the Claim is disputed and what portion is undisputed. If Owner needs approval from its governing board to provide the written response, and the governing board does not meet within the 45 days or any extended period of time, then

the Owner shall have up to three days after the next publicly noticed meeting of the governing board to provide the written response. Any payment due on an undisputed portion of the Claim shall be processed and made within sixty (60) days after the Owner issues the written response. Owner's failure to respond to a Claim within the above time periods or to otherwise meet the above time requirements shall result in the Claim being deemed rejected in its entirety.

4.5.6.2 ***Meet and Confer***

If the Contractor disputes the Owner's written response, or the Owner fails to respond within the time prescribed, the Contractor may so notify the Owner, in writing, either within 15 days of receipt of the Owner's response or within 15 days of the Owner's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon a written demand sent by registered or certified mail return receipt requested, the Owner shall schedule a meet and confer conference for settlement of the dispute, which shall take place within 30 days of the demand. Upon written agreement of the Owner and Contractor, the conference may take place during regularly scheduled Project meetings.

If Contractor fails to timely notify the Owner that it wishes to meet and confer pursuant to the previous paragraph, then Contractor will have waived all rights to (a) recover money or time on the issues for which a Claim was required, (b) submit a Government Code Claim (see Section 4.5.6) for such money or time, and (c) initiate any action, proceeding or litigation for such money or time. Contractor will not have satisfied a condition precedent or exhausted administrative remedies.

Within ten (10) business days after the conclusion of the meet and confer conference, the Owner shall give a written statement to the Contractor identifying the portion of the Claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the Claim shall be processed and made within sixty (60) days after the Owner issues the written statement. Within ten (10) business days of issuance of Owner's written statement, Contractor shall identify in writing the disputed portion of the Claim that shall be submitted to non-binding mediation (which may consist of any nonbinding process, including but not limited to neutral evaluation or a dispute review board), with the Owner and Contractor sharing the costs equally. The Owner and Contractor shall mutually agree to a mediator within ten (10) business days after the Contractor has identified in writing the disputed portion of the Claim. If they cannot agree upon a mediator, then each shall select a mediator and those two mediators shall select a qualified neutral third party to mediate the disputed portion of the Claim. (Each party shall bear the fees and costs its respective mediator charged in connection with the selection of the neutral mediator). The parties may mutually waive in writing the requirement for mediation. If Contractor fails to timely notify the Owner in writing that it wishes to mediate pursuant to this paragraph, Contractor will have waived all right to further pursue the Claim pursuant to section 4.5.4. The parties shall reasonably cooperate to schedule and attend a mediation as soon as reasonably possible. Owner's failure to respond to the Claim within the above time periods or to otherwise meet the above time requirements shall result in the Claim being deemed rejected in its entirety.

4.5.6.3 *Government Code Claim*

If the Claim or any portion remains in dispute after the mediation and Contractor wishes to pursue it, the Contractor **must** file a timely and proper Government Code Claim. The filing of a Government Code Claim is specifically required in addition to all contractual procedures described in Sections 4.5 through 4.5.6.2. The above contractual procedures do not act as a substitute for the Government Code Claim process, and the two sets of procedures shall be sequential with the contractual procedures coming first.

Failure to timely file a Government Code Claim shall act as complete waiver of Contractor's rights to (a) recover money or time on the issues for which a Government Code Claim was required, and (b) initiate any action, proceeding or litigation for such money or time. Contractor will not have satisfied a condition precedent or exhausted administrative remedies.

Owner and Contractor shall proceed with the Government Code Claim according to Government Code, Section 900 et seq., and as otherwise permitted by law. For purposes of the applicable Government Code provisions, and as provided in Public Contract Code section 20104.2(e), the running of the time period within which a Contractor must file a Government Code Claim shall be tolled from the time the Contractor submits a written Claim under Article 4.5 until the time that the Claim is denied, in whole or in part, as a result of the meet and confer process in Section 4.5.6.2, including any period of time utilized by the meet and confer process.

4.5.7 CONTINUING CONTRACT PERFORMANCE

Despite submission or rejection of a Notice of Potential Change, COR or Claim, the Contractor shall proceed diligently with performance of the Contract as directed by Owner, and the Owner shall continue to make any undisputed payments in accordance with the Contract.

4.5.8 CLAIMS FOR CONCEALED OR UNKNOWN CONDITIONS

4.5.8.1 *Trenches or Excavations Less Than Four Feet Below the Surface*

If Contractor encounters conditions at the Site which are subsurface or otherwise concealed physical conditions, which differ materially from those indicated in the Contract Documents, or unknown physical conditions of an unusual nature, which differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, the Contractor shall give notice to the Owner promptly before conditions are disturbed and in no event later than ten (10) days after first observance of the conditions. If Contractor believes that such conditions differ materially and will cause an increase in the Contractor's cost of, time required for, or performance of any part of the Work, Contractor must comply with the provisions above for Notice of Potential Change, Change Order Request, and Claims (beginning with Section 4.5.1).

4.5.8.2 *Trenches or Excavations Greater Than Four Feet Below the Surface*

Pursuant to Public Contract Code section 7104, when any excavation or trenching extends

greater than four feet below the surface:

4.5.8.2.1 The Contractor shall promptly, and before the following conditions are disturbed, notify the public entity, in writing, of any:

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

(2) Subsurface or latent physical conditions at the site differing from those indicated by information about the site made available to bidders prior to the deadline for submitting bids.

(3) Unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.

4.5.8.2.2 The public entity shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the Contractor's cost of, or the time required for, performance of any part of the Work shall issue a change order under the procedures described in the Contract.

4.5.8.2.3 In the event that a dispute arises between the public entity and the Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the Work, the Contractor shall not be excused from any deadline for Completion provided by the Contract, but shall proceed with all Work to be performed under the Contract. The Contractor shall retain any and all rights provided either by Contract or by law which pertain to the resolution of disputes and protests between the contracting parties.

4.5.9 INJURY OR DAMAGE TO PERSON OR PROPERTY

If either party to the Contract suffers injury or damage to person or property because of an act or omission of the other party, any of the other party's employees or agents, or others for whose acts such party is legally liable, written notice of such injury or damage, whether or not insured, shall be given to the other party within a reasonable time not exceeding ten (10) days after first observance. The notice shall provide sufficient detail to enable the other party to investigate the matter. For a Notice of Potential Change, COR and Claim for additional cost or time related to this injury or damage, Contractor shall follow Section 4.5.

ARTICLE 5

SUBCONTRACTORS

5.1 DEFINITIONS

5.1.1 SUBCONTRACTOR

A Subcontractor is a person or entity, who has a contract with the Contractor to perform a portion of the Work at the Site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term "Subcontractor" does not include a separate contractor or subcontractors of a separate contractor. To the extent that the term Trade Contractor is utilized in the Contract Documents, it shall have the same meaning as the term "Subcontractor."

5.1.2 SUB-SUBCONTRACTOR

A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the Work at the Site. The term "Sub-subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor.

5.1.3 SPECIALTY CONTRACTORS

If a Subcontractor is designated as a "Specialty Contractor" as defined in section 7058 of the Business and Professions Code, all of the Work outside of that Subcontractor's specialty shall be performed in compliance with the Subletting and Subcontracting Fair Practices Act, Public Contract Code sections 4100, et seq.

5.2 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK

5.2.1 ASSIGNMENT OR SUBSTITUTION - CONSENT OF OWNER

In accordance with Public Contract Code sections 4107 and 4107.5, no Contractor whose bid is accepted shall, without the written consent of the Owner: substitute any person or entity as a Subcontractor in place of the Subcontractor designated in the original bid; permit any such Subcontract to be assigned or transferred, or allow it to be performed by any person or entity other than the original Subcontractor listed in the original bid; sublet or subcontract any portion of the Work in excess of one-half of one percent (0.5%) of the Contractor's total bid as to which its original bid did not designate a Subcontractor. Any assignment or substitution made without the prior written consent of the awarding authority shall be void, and the assignees shall acquire no rights in the Contract. Any consent, if given, shall not relieve Contractor or its Subcontractors from their obligations under the terms of the Contract Documents.

5.2.2 **GROUNDS FOR SUBSTITUTION**

Pursuant to Public Contract Code section 4107 and the procedure set forth therein, no Contractor whose bid is accepted may request to substitute any person or entity as a Subcontractor in place of a Subcontractor listed in the original bid except in the following instances:

A. When the Subcontractor listed in the bid after having a reasonable opportunity to do so, fails or refuses to execute a written contract for the scope of work specified in the subcontractor's bid and at the price specified in the subcontractor's bid, when that written contract, based upon the general terms, conditions, plans and specifications for the Project involved or the terms of that Subcontractor's written bid, is presented to the Subcontractor by the Contractor;

B. When the listed Subcontractor becomes insolvent or the subject of an order for relief in bankruptcy;

C. When the listed Subcontractor fails or refuses to perform his or her Subcontract;

D. When the listed Subcontractor fails or refuses to meet the bond requirements of the prime contractor set forth in Public Contract Code section 4108.

E. When the Contractor demonstrates to the awarding authority, or its duly authorized officer, subject to the further provisions of Public Contract Code section 4107.5, that the name of the Subcontractor was listed as the result of inadvertent clerical error;

F. When the listed Subcontractor is not licensed pursuant to the Contractors License Law; or

G. When the awarding authority, or its duly authorized officer, determines that the Work being performed by the listed Subcontractor is substantially unsatisfactory and not in substantial accordance with the plans and specifications, or the Subcontractor is substantially delaying or disrupting the progress of the Work.

H. When the listed Subcontractor is ineligible to work on a public works project pursuant to Section 1777.1 of the Labor Code.

I. When the awarding authority determines that a listed Subcontractor is not a responsible contractor.

5.2.2.1 ***No Change in Contract.*** Any substitutions of Subcontractors shall not result in any increase in the Contract Sum or result in the granting of any extension of time for a Milestone Deadline or the Completion of the Work.

5.2.2.2 ***Substitution Due to Clerical Error.*** The Contractor, as a condition of asserting a claim of inadvertent clerical error in the listing of a Subcontractor, shall, pursuant to Public

Contract Code section 4107.5, within two (2) working days after the time of the prime bid opening by the awarding authority, give written notice to the awarding authority and copies of such notice to both the Subcontractor it claims to have listed in error, and the intended Subcontractor who had bid to the Contractor prior to bid opening. Any listed Subcontractor who has been notified by the Contractor in accordance with the provisions of this section as to an inadvertent clerical error, shall be allowed six (6) working days from the time of the prime bid opening within which to submit to the awarding authority and to the Contractor written objection to the Contractor's claim of inadvertent clerical error.

In all other cases, the Contractor must make a request in writing to the awarding authority for the substitution of a subcontractor, giving reasons therefore. The awarding authority shall mail a written notice to the listed Subcontractor giving reasons for the proposed substitution. The listed Subcontractor shall have five (5) working days from the date of such notice within which to file with the awarding authority written objections to the substitution.

Failure to file written objections pursuant to the provisions of this section within the times specified herein shall constitute a complete waiver of objection to the substitution by the listed Subcontractor and, where the ground for substitution is an inadvertent clerical error, an agreement by the listed Subcontractor that an inadvertent clerical error was made.

If written objections are filed, the awarding authority shall give five (5) days notice to the Contractor and to the listed Subcontractor of a hearing by the awarding authority on the Contractor's request for substitution as provided in Public Contract Code section 4107. The determination by the awarding authority shall be final.

5.3 SUBCONTRACTUAL RELATIONS

By appropriate agreement, written where legally required for validity, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by terms of the Contract Documents, and to assume toward the Contractor all obligations and responsibilities, which the Contractor, by the Contract Documents, assumes toward the Owner. Each subcontract agreement shall preserve and protect the rights of the Owner under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow to the Subcontractor, unless specifically provided otherwise in the subcontract agreement, the benefit of all rights, remedies, and redress against the Contractor that the Contractor, by the Contract Documents, has against the Owner. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract Documents to which the Subcontractor will be bound. Upon written request of the Subcontractor, the Contractor shall identify to the Subcontractor the terms and conditions of the proposed subcontract agreement, which may be at variance with the Contract Documents. Subcontractors shall similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

5.4 CONTINGENT ASSIGNMENT OF SUBCONTRACTS

Each subcontract agreement for a portion of the Work is assigned by the Contractor to the Owner provided that:

A. Assignment is effective only after termination of the Contract with the Contractor by the Owner for cause pursuant to Article 14 and only for those subcontract agreements which the Owner accepts by notifying the Subcontractor in writing; and

B. Assignment is subject to the prior rights of the surety, if any, obligated under any bond relating to the Contract.

5.5 SUBCONTRACTOR'S RESPONSIBILITIES

Every Subcontractor is bound to the following provisions, unless specifically noted to the contrary in the Subcontractor's contract subject to the limitations of section 5.3.

5.5.1 SUPERVISION BY SUBCONTRACTORS

Subcontractors shall efficiently supervise their Work, using their best skill and attention. Each of them shall carefully study and compare all Drawings, Specifications, and other instructions, shall at once report to Contractor any error or omission which any of them may discover, and shall subsequently proceed with the Work in accordance with instructions from the Contractor concerning such error or omission. Each Subcontractor shall be fully responsible for and shall bear the full risk of loss of all of its property.

5.5.2 DISCIPLINE AND ORDER

Each Subcontractor shall at all times enforce strict discipline and good order among its Subcontractors, material or equipment suppliers, or their agents, employees, and invitees, and shall establish and maintain surveillance over the activities of each of the foregoing to minimize any disturbance, damage, pollution, or unsightly conditions relative to property areas adjacent to or in the vicinity of the Site. The Contractor shall have the right to remove from the Work any employee of a Subcontractor for any reason including, without limitation, incompetence or carelessness.

5.5.3 DEFECTS DISCOVERED

Should the proper and accurate performance of the Work depend upon the proper and accurate performance of other work not included in its Contract, each Subcontractor shall use all necessary means to discover any defect in such other work and shall allow the Contractor, the Owner and Architect, or other Subcontractors as Contractor elects, a reasonable amount of time to remedy such defects. If the Subcontractor should proceed with its Work, it shall be considered to have accepted such other work, unless the Subcontractor shall have proceeded pursuant to

instructions in writing by the Contractor over its written objection.

5.5.4 SUBCONTRACTOR INFORMATION

Each Subcontractor shall submit to the Owner, the Contractor, or the Architect, as the case may be, promptly when requested by any of the foregoing, information with respect to the names, responsibilities, and titles of the principal members of its staff, the adequacy of the Subcontractor's equipment and the availability of necessary materials and supplies. Subcontractor shall fully cooperate with Contractor in its periodic review of the adequacy of Subcontractor's supervision, personnel, and equipment, and the availability of necessary materials and supplies and shall promptly comply with the requirements of the Contractor with respect thereto.

5.5.5 TEMPORARY STRUCTURES

Each Subcontractor shall furnish at its expense its own temporary facilities and storage except those specifically agreed to be furnished to it by the Contractor in the Subcontract Agreement. Subcontractor's material storage rooms and field offices, etc., will be placed in locations designated by the Contractor. When it becomes necessary due to the progress of the Work for the Subcontractor to relocate its field operations, it will do so in an expeditious manner and at no additional cost to Contractor or Owner. The construction of material storage rooms and field offices, etc., will be of fire resistive material only, such as concrete or gypsum block, rated drywall, or sheet metal.

5.5.6 CHARGES TO SUBCONTRACTOR

Each Subcontractor may be subject to the Contractor's reasonable charges for hoisting, repair to other work caused by the fault or negligence of Subcontractor, removal of Subcontractor's rubbish, and clean-up occasioned by Subcontractor.

5.5.7 FINES IMPOSED

Subcontractor shall comply with and pay any fines or penalties imposed for violation of any applicable law, ordinance, rule, regulation, Environmental Impact Report mitigation requirement, and lawful order of any public authority, including, without limitation, all OSHA and California OSHA requirements and those of other authorities having jurisdiction of the safety of persons or property.

5.5.8 PROJECT SIGNS

Each Subcontractor shall not display on or about the Project any sign, trademark, or other advertisement. The Owner will permit a single Project sign, which shall be subject to the Owner's prior and sole discretion and approval, as to all matters including, without limitation, size, location, material, colors, style and size of printing, logos and trademarks (if any), text, and selection of names to be displayed.

5.5.9 REMEDIES FOR FAILURE TO PERFORM

Without limitation of any other right or remedy available to Contractor under the Contract Documents or at law, should: the Subcontractor fail to perform its portion of the Work in a skilled and expeditious manner in accordance with the terms of the Contract Documents with sufficient labor, materials, equipment, and facilities; delays the progress of the job or otherwise fail in any of its obligations; or either a receiver is appointed for the Subcontractor or the Subcontractor is declared to be bankrupt or insolvent, and such appointment, bankruptcy, or insolvency proceedings or declaration is not set aside within thirty (30) days, then the Contractor, upon three (3) days notice to the Subcontractor (subject to the requirements of Pub. Contracts Code, § 4107), may provide such labor, materials, or perform such work and recover the cost plus profit and overhead from monies due or to become due thereafter to the Subcontractor. The Contractor may terminate the employment of the Subcontractor, taking possession of its tools, materials, and equipment related to the Work and cause the entire portion of the Subcontractor's Work to be finished either by another Subcontractor or through the Contractor's own forces.

5.5.10 DISPUTES NOT TO AFFECT WORK

In the event of any dispute as to whether or not any portion of the Work is within the scope of the Work to be performed by a Subcontractor, or any dispute as to whether or not the Subcontractor is entitled to a Change Order for any Work requested of it or entitled to payment, the Subcontractor shall continue to proceed diligently with the performance of the Work. Regardless of the size or nature of the dispute, the Subcontractor shall not under any circumstances cease or delay performance of its portion of the Work during the existence of the dispute. The Contractor shall continue to pay the undisputed amounts called for under the Subcontract Agreement during the existence of the dispute. Any party stopping or delaying the progress of the Work because of a dispute shall be responsible in damages to the Owner, the Architect, and the Contractor for any losses suffered as a result of the delay.

5.5.11 APPLICATION FOR PAYMENT

Contractor agrees to advise the Subcontractor if any documentation in connection with the Subcontractor's application for payment has not been accepted or is in any way unsatisfactory.

5.5.12 COMPLIANCE WITH PROCEDURES

Each Subcontractor shall comply with all procedures established by the Contractor for coordination among the Owner, the Owner's consultants, Architect, Contractor, and the various Subcontractors for coordination of the Work with all local municipal authorities, government agencies, utility companies, and any other agencies with jurisdiction over all or any portion of the Work. The Subcontractor shall cooperate fully with all of the foregoing parties and authorities.

5.5.13 ON-SITE RECORD KEEPING

Subcontractor shall comply with all on-Site record keeping systems established by the Contractor

and shall, upon the request of the Contractor, provide the Contractor with such information and reports as the Contractor may deem appropriate. Without limitation of the foregoing, the Subcontractor shall assemble all required permits and certificates so that they are readily accessible at the Site.

5.5.14 **NON-EXCLUSIVE OBLIGATIONS**

The specific requirements of Article 5 are not intended to exclude the obligation of the Subcontractor to comply with any of the other provisions of the General Conditions and the other Contract Documents which are relevant to the proper performance of its portion of the Work.

ARTICLE 6

CONSTRUCTION BY OWNER OR BY SEPARATE CONTRACTORS

6.1 OWNER'S RIGHT TO PERFORM CONSTRUCTION AND TO AWARD SEPARATE CONTRACTS

6.1.1 **OWNER'S RIGHTS**

The Owner reserves the right to perform Project work related to the Contract with the Owner's own forces, or to award separate contracts in connection with such other work or other construction or operations on the Site under conditions of the Contract identical or substantially similar to these including those portions related to insurance. Upon the election to perform such work with its own forces or by separate contracts, the Owner shall notify the Contractor. If the Contractor claims that delay or additional cost is involved because of such action by the Owner, the Contractor shall proceed pursuant to Section 4.5 in the Contract Documents.

6.1.2 **DESIGNATION AS CONTRACTOR**

When separate contracts are awarded for different portions of the Project or other construction or operations on the Site, the term "Contractor" in the Contract Documents in each of those contracts shall mean the contractor who executes each separate Owner/Contractor agreement.

6.1.3 **CONTRACTOR DUTIES**

Although the Owner shall have overall responsibility for coordination and scheduling of the activities of the Owner's own forces and of each separate contractor with the Work of the Contractor, Contractor shall cooperate with Owner. The Contractor shall participate with other separate contractors and the Owner in reviewing their construction schedules when directed to do so. The Contractor shall make any revisions to the construction schedule and Contract Sum deemed necessary after a joint review and mutual agreement. The construction schedules shall then constitute the schedules to be used by the Contractor until subsequently revised.

6.1.4 OWNER OBLIGATIONS

Unless otherwise provided in the Contract Documents, when the Owner performs work related to the Project with the Owner's own forces, the Owner shall be deemed to be subject to the same obligations, and to have the same rights, which apply to the Contractor under the General Conditions, including, without excluding others, those stated in Article 3, this Article 6 and Articles 10 and 12.

6.2 MUTUAL RESPONSIBILITY

6.2.1 DELIVERY AND STORAGE

The Contractor shall afford the Owner and separate contractors reasonable opportunity for delivery and storage of their materials and equipment and performance of their activities, and shall connect and coordinate the separate contractors' construction and operations with theirs as required by the Contract Documents.

6.2.2 NOTICE BY CONTRACTOR

If part of the Contractor's Work depends upon proper execution or results from work by the Owner or a separate contractor, the Contractor shall, prior to proceeding with that portion of the Work, promptly report to the Owner patent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of the Contractor to so report shall constitute an acknowledgment that the Owner's or separate contractors' completed or partially completed construction is fit and proper to receive the Contractor's Work, except as to defects not then reasonably discoverable.

6.2.3 COSTS INCURRED

Costs, expenses, and damages caused by delays, improperly timed activities, defective construction, or damages to another's work/Work or property shall be borne by the party responsible. Should Contractor cause damage to the work or property of any other contractor on the Project, or to the Project or the property of a third party, or cause any delay to any such contractor or third party, the Contractor shall defend, indemnify and hold Owner harmless for such damage or delay under Section 3.16, above. Owner may withhold from progress payments and/or retention for the cost of such damage or delay.

6.2.4 CORRECTION OF DAMAGE

The Contractor shall promptly remedy damage wrongfully caused by the Contractor to completed or partially completed construction or to property of the Owner or separate contractors.

6.3 OWNER'S RIGHT TO CLEAN UP

If a dispute arises among the Contractor, separate contractors, and the Owner as to the

responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish as described in Section 3.13, the Owner may clean up and allocate the cost among those responsible as the Owner determines to be just.

ARTICLE 7

CHANGES IN THE WORK

7.1 CHANGES

7.1.1 NO CHANGES WITHOUT AUTHORIZATION

The Owner reserves the right to change the Work by making such alterations, deviations, additions to, or deletions from the plans and specifications, as may be deemed by the Owner to be necessary or advisable for the proper Completion or construction of the Work contemplated, and Owner reserves the right to require Contractor to perform such work. No adjustment will be made in the Contract unit price of any Contract item regardless of the quantity ultimately required.

Owner shall compensate Contractor with money or grant extra time for any extra work ordered by the Owner to be performed. Contractor shall follow the provisions of 7.6 and 7.7 when requesting additional money or additional time. Contractor shall expeditiously perform all extra work upon direction, even if no agreement has been reached on extra time or money. For all such changes resulting in a credit to Owner, Contractor shall follow 7.5 and 7.7 in providing the credit to Owner. Contractor shall bring all potential credits to the Owner's attention.

There shall be no change whatsoever in the drawings, specifications, or in the Work or payments under the Contract Documents without an executed Change Order, Construction Change Directive, or order by the Owner pursuant to Section 7.1.2. Owner shall not be liable for the cost of any extra work or any substitutions, changes, additions, omissions, or deviations from the Drawings and Specifications unless the same shall have been properly requested under Section 4.5 and authorized by, and the cost thereof approved in writing by, Change Order or Construction Change Directive. No extension of time for performance of the Work shall be allowed hereunder unless request for such extension is properly made under Section 4.5 and such time is thereof approved in writing by Change Order or Construction Change Directive. The provisions of the Contract Documents shall apply to all such changes, additions, and omissions with the same effect as if originally embodied in the Drawings and Specifications.

7.1.2 AUTHORITY TO ORDER MINOR CHANGES

The Owner has authority to order minor changes in the Work not involving any adjustment in the Contract Sum, an extension of the Contract Time, or a change which is inconsistent with the intent of the Contract Documents. Such changes shall be effected by written Construction Change Directive and shall be binding on the Contractor. The Contractor shall carry out such written orders promptly.

7.2 CHANGE ORDERS ("CO")

A CO is a written instrument signed by the Owner and the Contractor, stamped (or sealed) and signed by Architect, and approved by the Owner's Governing Board and DSA, stating the agreement of Owner and Contractor upon all of the following:

A. A change in the Work;

B. The amount of the adjustment in the Contract Sum, if any; and

C. The extent of the adjustment in the Contract Time, if any.

Unless expressly stated otherwise in the CO, any CO executed by Owner and Contractor constitutes and includes full and complete money and time (including but not limited to, adjustments to money and time) for all costs and effects caused by any of the changes described within it. Unless expressly stated otherwise in the CO, in consideration for the money received for the changes described in the CO, Contractor waives all Claims for all costs and effects caused by any of the changes, including but not limited to labor, equipment, materials, delay, extra work, overhead (home and field), profit, direct costs, indirect costs, acceleration, disruption, impaired productivity, time extensions, and any the costs and effects on Subcontractors and suppliers of any tier.

7.3 CONSTRUCTION CHANGE DIRECTIVES ("CCD")

7.3.1 DEFINITION

A CCD is a written unilateral order signed by the Owner, and if necessary by the Architect, directing a change in the Work and stating an adjustment, if any, in the Contract Sum or Contract Time, or both. The Owner may by CCD, without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions pursuant to Section 7.1.1.

7.3.2 USE TO DIRECT CHANGE

A CCD shall be used in the absence of agreement on the terms of a CO. If Contractor disagrees with the terms of a CCD, it shall nevertheless perform the work directed by the CCD, but it may pursue the Notice of Potential Change, COR and Claim procedures of Section 4.5 if Contractor believes it is entitled to changes in the Contract Sum or Contract Time.

7.4 REQUEST FOR INFORMATION ("RFI")

7.4.1 DEFINITION

An RFI is a written request prepared by the Contractor asking the Owner to provide additional information necessary to clarify an item which the Contractor feels is not clearly shown or called for in the drawings or specifications, or to address problems which have arisen under field

conditions.

7.4.2 SCOPE

The RFI shall reference all the applicable Contract Documents including specification section, detail, page numbers, drawing numbers, and sheet numbers, etc. The Contractor shall make suggestions and/or interpretations of the issue raised by the RFI. An RFI cannot modify the Contract Sum, Contract Time, or the Contract Documents.

7.4.3 RESPONSE TIME

Unless Owner expressly directs otherwise in writing, Contractor shall submit RFIs directly to the Architect, with copies forwarded to the Owner. Contractor shall submit a revised and updated priority schedule with each RFI. The Architect shall endeavor to follow the Contractor's requested order of priorities. The Owner and Contractor agree that an adequate time period for the Architect (or other designated recipient of the RFI) to respond to an RFI is generally fourteen (14) calendar days after the Architect's receipt of an RFI, unless the Owner and Contractor agree otherwise in writing. However, in all cases, the Architect shall take such time, whether more or less than 14 days, as is necessary in the Architect's professional judgment to permit adequate review and evaluation of the RFI. If Contractor informs the Architect that it needs a response to an RFI expedited to avoid delay to the critical path, the Architect shall provide a response as quickly as reasonably possible. The total time required for the Architect to respond is subject to the complexity of the RFI, the number of RFI's submitted concurrently and the reprioritization of pending RFI's submitted by the Contractor, among other things. If Contractor believes that the Architect's response results in a change in the Work that warrants additional money or time, or that Architect's response was unreasonably delayed and caused delay to the Work's critical path, Contractor shall follow the procedures for additional money or time under Section 4.5. No presumption shall arise as to the timeliness of the response if the response is more than fourteen (14) days after the Architect's receipt of the RFI. Contractor shall review the Contract Documents before submitting an RFI to ensure that the information is not already in the Contract Documents. To compensate the Owner for time and costs incurred for each time the information was already in the Contract Documents, Owner may withhold $100 from progress payments or retention in addition to any other remedies which Owner may have the right to pursue.

7.4.4 COSTS INCURRED

The Contractor shall be invoiced by the Owner for any costs incurred for professional services, which shall be withheld from progress payments or retention, if an RFI requests an interpretation or decision of a matter where the information sought is equally available to the party making such request.

7.5 REQUEST FOR PROPOSAL ("RFP")

7.5.1 DEFINITION

An RFP is Owner's written request asking the Contractor to submit to the Owner an estimate of

the effect, including credits, of a proposed change on the Contract Sum and the Contract Time.

7.5.2 SCOPE

An RFP shall contain adequate information, including any necessary drawings and specifications, to enable Contractor to provide the cost breakdowns required by section 7.7. The Contractor shall not be entitled to any additional money for preparing a response to an RFP, whether ultimately accepted or not.

7.6 CHANGE ORDER REQUEST ("COR")

7.6.1 DEFINITION

A COR is a written request prepared by the Contractor asking the Owner for additional money or time.

7.6.2 CHANGES IN PRICE

A COR shall include breakdowns per section 7.7 to validate any proposed change in Contract Sum.

7.6.3 CHANGES IN TIME

Where a change in a Milestone Deadline or Contract Time is requested, a COR shall also include delay analysis to validate any proposed change, and shall meet all requirements in these General Conditions, including but not limited to Section 8.4. Any additional time requested shall not be the number of days to make the proposed change, but must be based upon the impact to the Work schedule as defined in section 3.9 and Division 1 of the Specifications.

7.7 PRICE OF CHANGE ORDERS

7.7.1 SCOPE

Any COR shall provide in writing to the Owner, the Architect and any construction manager, the effect of the proposed CO upon the Contract Sum and the actual cost of construction, which shall include a complete itemized cost breakdown of all labor and material showing actual quantities, hours, unit prices, wage rates, required for the change, and the effect upon the Contract Time of such CO.

7.7.2 DETERMINATION OF COST

The amount of the increase or decrease in the Contract Sum resulting from a CO, if any, shall be determined in one or more of the following ways as applicable to a specific situation:

A. Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;

B. Unit prices stated in the Contractor's original bid, the Contract Documents, or subsequently agreed upon between the Owner and the Contractor;

C. Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee; or

D. By cost of material and labor and percentage of overhead and profit. If the value is determined by this method the following requirements shall apply:

1. **Daily Reports by Contractor**.

a) General: At the close of each working day, the Contractor shall submit a daily report to the Inspector of Record and any construction manager, on forms approved by the Owner, together with applicable delivery tickets, listing all labor, materials, and equipment involved for that day, the location of the work, and for other services and expenditures when authorized concerning extra work items. An attempt shall be made to reconcile the report daily, and it shall be signed by the Inspector of Record and the Contractor. In the event of disagreement, pertinent notes shall be entered by each party to explain points which cannot be resolved immediately. Each party shall retain a signed copy of the report. Reports by Subcontractors or others shall be submitted through the Contractor.

b) Labor: Show names of workers, classifications, and hours worked.

c) Materials: Describe and list quantities of materials used.

d) Equipment: Show type of equipment, size, identification number, and hours of operation, including, if applicable, loading and transportation.

e) Other Services and Expenditures: Describe in such detail as the Owner may require.

2. **Basis for Establishing Costs**.

a) Labor will be the actual cost for wages prevailing locally for each craft or type of workers at the time the extra work is done, plus employer payments of payroll taxes and insurance, health and welfare, pension, vacation, apprenticeship funds, and other direct costs resulting from Federal, State, or local laws, as well as assessments or benefits required by lawful collective bargaining agreements. The use of a labor classification, which would increase the extra work cost, will not be permitted unless the Contractor establishes the necessity for such additional costs. Labor costs for equipment operators and helpers shall be reported only when such costs are not included in the invoice

for equipment rental.

b) Materials shall be at invoice or lowest current price at which such materials are locally available and delivered to the Site in the quantities involved, plus sales tax, freight, and delivery.

The Owner reserves the right to approve materials and sources of supply or to supply materials to the Contractor if necessary for the progress of the Work. No markup shall be applied to any material provided by the Owner.

c) Tool and Equipment Rental. No payment will be made for the use of tools which have a replacement value of $100 or less.

Regardless of ownership, the rates to be used in determining equipment rental costs shall not exceed listed rates prevailing locally at equipment rental agencies or distributors at the time the work is performed.

The rental rates paid shall include the cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance of any kind, depreciation, storage, insurance, and all incidentals.

Necessary loading and transportation costs for equipment used on the extra work shall be included. If equipment is used intermittently and, when not in use, could be returned to its rental source at less expense to the Owner than holding it at the work Site, it shall be returned unless the Contractor elects to keep it at the work Site at no expense to the Owner.

All equipment shall be acceptable to the Inspector of Record, in good working condition, and suitable for the purpose for which it is to be used. Manufacturer's ratings and modifications shall be used to classify equipment, and equipment shall be powered by a unit of at least the minimum rating recommended by the manufacturer.

d) Other Items. The Owner may authorize other items which may be required on the extra work. Such items include labor, services, material, and equipment which are different in their nature from those required by the Work, and which are of a type not ordinarily available from the Contractor or any of the Subcontractors. Invoices covering all such items in detail shall be submitted with the Application for Payment.

e) Invoices. Vendors' invoices for material, equipment rental, and other expenditures shall be submitted with the COR. If the Application for Payment is not substantiated by invoices or other documentation, the Owner may establish the cost of the item involved at the lowest price which was current at the time of the Daily Report.

f) Overhead, premiums and profit. For overhead, including direct and indirect costs, submit with the COR and include: home office overhead, off-Site supervision, CO preparation/negotiation/research for Owner initiated changes, time delays, project interference and disruption, additional guaranty and warranty durations, on-Site supervision, additional temporary protection, additional temporary utilities, additional material handling costs, and additional safety equipment costs.

7.7.3 **FORMAT FOR PROPOSED COST CHANGE**

The following format shall be used as applicable by the Owner and the Contractor to communicate proposed additions and deductions to the Contract.

	EXTRA	**CREDIT**
A. Material (attach itemized quantity and unit cost plus sales tax, invoices, receipts, truck tags, etc., for force account work)	_____	_____
B. Labor (attach itemized hours and rates, daily logs, certified payroll, etc.)	_____	_____
C. Equipment (attach any invoices)	_____	_____
D. Subtotal	_____	_____
E. If Subcontractor performed Work, add Subcontractor's overhead and profit to portions performed by Subcontractor, not to exceed fifteen percent (15%) of item D.	_____	_____
F. Liability and Property Damage Insurance, Worker's Compensation Insurance, Social Security, and Unemployment Taxes, not to exceed twenty-five percent (25%) of Item B.	_____	_____
G. Subtotal	_____	_____
H. General Contractor's Overhead and Profit, not to exceed fifteen percent (15%) of Item G; and for work performed by subcontractors, not to exceed five percent (5%).	_____	_____

I.	Subtotal	_____	_____
J.	Bond not to exceed one percent (1%) of Item I.	_____	_____
K.	TOTAL	_____	_____

It is expressly understood that the value of such extra work or changes, as determined by any of the aforementioned methods, expressly includes (1) any and all of the Contractor's costs and expenses, both direct and indirect, resulting from additional time required on the project or resulting from delay to the project, and (2) any costs of preparing a COR, including but not limited to delay analysis. Any costs or expenses not included are deemed waived.

7.7.4 DISCOUNTS, REBATES, AND REFUNDS

For purposes of determining the cost, if any, of any change, addition, or omission to the Work hereunder, all trade discounts, rebates, refunds, and all returns from the sale of surplus materials and equipment shall accrue and be credited to the Contractor, and the Contractor shall make provisions so that such discounts, rebates, refunds, and returns may be secured, and the amount thereof shall be allowed as a reduction of the Contractor's cost in determining the actual cost of construction for purposes of any change, addition, or omissions in the Work as provided herein.

7.7.5 ACCOUNTING RECORDS

With respect to portions of the Work performed by COs and CCDs on a time-and-materials, unit-cost, or similar basis, the Contractor shall keep and maintain cost-accounting records satisfactory to the Owner, which shall be available to the Owner on the same terms as any other books and records the Contractor is required to maintain under the Contract Documents.

7.7.6 NOTICE REQUIRED

Contractor shall submit a written Notice of Potential Change for additional money or time pursuant to section 4.5.1.

7.7.7 APPLICABILITY TO SUBCONTRACTORS

Any requirements under this Article 7 shall be equally applicable to COs or CCDs issued to Subcontractors by the Contractor to the same extent required of the Contractor.

7.8 WAIVER OF RIGHT TO CLAIM MONEY OR TIME

Failure to demand money based on costs, or time extensions, as part of a COR constitutes a complete waiver of Contractor's right to claim the omitted money or time. All money or time for an issue must be included in the COR at the time submitted.

ARTICLE 8

TIME

8.1 DEFINITIONS

8.1.1 CONTRACT TIME

Unless otherwise provided, Contract Time is the period of time, including authorized adjustments, allotted in the Contract Documents for Completion of the Work.

8.1.2 NOTICE TO PROCEED

Contractor shall not commence the Work until it receives a Notice to Proceed from Owner. The date of commencement of the Work is the date established in the Notice to Proceed. The date of commencement shall not be postponed by the failure to act of the Contractor or of persons or entities for whom the Contractor is responsible.

8.1.3 DAYS

The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically defined.

8.2 HOURS OF WORK

8.2.1 SUFFICIENT FORCES

Contractors and Subcontractors shall furnish sufficient forces to ensure the prosecution of the Work in accordance with the Construction Schedule.

8.2.2 PERFORMANCE DURING WORKING HOURS

Work shall be performed during regular working hours except that in the event of an emergency or when required to perform the Work in accordance with job progress, Work may be performed outside of regular working hours with the advance written consent of the Owner.

8.2.3 LABOR CODE APPLICATION

As provided in Article 3 (commencing at § 1810), Chapter 1, Part 7, Division 2 of the Labor Code, eight (8) hours of labor shall constitute a legal day's work. The time of service of any worker employed at any time by the Contractor or by any Subcontractor on any subcontract under this Contract, upon the Work or upon any part of the Work contemplated by this Contract, is limited and restricted to eight (8) hours during any one calendar day and forty (40) hours during any one calendar week, except as hereinafter provided. Notwithstanding the provision hereinabove set forth, Work performed by employees of Contractors in excess of eight (8) hours per day and forty (40) hours during any one week shall be permitted upon this public work with

compensation provided for all hours worked in excess of eight (8) hours per day at not less than one and one-half (1-1/2) times the basic rate of pay.

Contractor or subcontractor shall pay to the Owner a penalty of Twenty-five Dollars ($25.00) for each worker employed in the execution of this Contract by the Contractor, or by any Subcontractor, for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any calendar day and forty (40) hours in any one (1) calendar week, in violation of the provisions of Article 3 (commencing at § 1810), Chapter 1, Part 7, Division 2 of the Labor Code, unless compensation for the workers so employed by Contractor is not less than one and one-half (1-1/2) times the basic rate of pay for all hours worked in excess of eight (8) hours per day.

8.2.4 COSTS FOR AFTER HOURS INSPECTIONS

If the work done after hours is required by the Contract Documents to be done outside the Contractor's or the Inspector of Record's regular working hours, the costs of any inspections, if required to be done outside normal working hours, shall be borne by the Owner.

If the Owner allows the Contractor to do work outside regular working hours for the Contractor's own convenience, the costs of any inspections required outside regular working hours, among other remedies, shall be invoiced to the Contractor by the Owner and withheld from progress payments and/or retention. Contractor shall give Owner at least 48 hours notice prior to working outside regular working hours.

If the Contractor elects to perform work outside the Inspector of Record's regular working hours, costs of any inspections required outside regular working hours, among other remedies, may be invoiced to the Contractor by the Owner and withheld from progress payments and/or retention.

8.2.5 TIME FOR COMMENCEMENT BY SUBCONTRACTORS

Unless otherwise provided in the Contract Documents, all Subcontractors shall commence their Work within two (2) consecutive business days after notice to them by the Contractor and shall prosecute their Work in accordance with the progress of the Work.

8.3 PROGRESS AND COMPLETION

8.3.1 TIME OF THE ESSENCE

Time limits stated in the Contract Documents are of the essence of the Contract. By executing the Agreement the Contractor confirms that the Milestone Deadlines and Contract Time are reasonable periods for performing the Work.

8.3.2 NO COMMENCEMENT WITHOUT INSURANCE

The Contractor shall not knowingly, except by agreement or instruction of the Owner, in writing, commence operations on the Site or elsewhere prior to the effective date of insurance required by

Article 11 to be furnished by the Contractor. The date of commencement of the Work shall not be changed by the effective date of such insurance.

8.3.3 EXPEDITIOUS COMPLETION

The Contractor shall proceed expeditiously to perform the Work, with adequate forces, labor, materials, equipment, services and management, shall achieve all Milestone Deadlines, and shall achieve Completion within the Contract Time.

8.4 EXTENSIONS OF TIME - LIQUIDATED DAMAGES

8.4.1 CONDITIONS ALLOWING FOR EXTENSIONS OF TIME TO COMPLETE THE WORK, ONLY (EXCUSABLE DELAY)

The Contractor shall be granted a reasonable time extension for excusable delays, which are those delays that meet each and every of the following conditions:

(a) The delay was beyond the control of Contractor and its subcontractors and material suppliers;

(b) The delay was caused by events about which Contractor was not advised at or before the time of bidding;

(c) The delay impacted and delayed (i) the controlling items of Work (i.e., the as-built critical path, as determined from the as-planned schedule and the actual progress of the Work), or (ii) the achievement of a Milestone Deadline, or the Completion of the whole Work within the Contract Time;

(d) The delay was not caused by Contractor or its subcontractors or suppliers, including but not limited to their breaches of contract or the standard of care;

(e) The delay was not associated with loss of time resulting from the necessity of submittals to Owner for approval, or from necessary Owner surveys, measurements, inspections and testing;

(f) The delay was not caused by usual or common weather for the time of year, including usual or common severe weather; and

(g) The delay could not have been be prevented by the exercise of care, prudence, foresight, and diligence by Contractor.

Excusable delays may include acts of God, acts of public enemy, acts of the Owner or anyone employed by it, acts of another contractor in performance of a contract (other than this Contract) with the Owner, fires, floods, epidemics, quarantine restrictions, labor disputes, unusually and uncommonly severe weather for the time of year, unforeseen site conditions, or delays of subcontractors due to such causes. Owner shall take into consideration other relevant factors such as concurrent delays. Contractor has the burden of proving that any delay was excusable.

8.4.2 COMPENSABLE DELAY (TIME AND MONEY)

Compensable delays are those excusable delays for which Contractor is also entitled to money. To be compensable, an excusable delay must be one for which the Owner is responsible, where the delay was unreasonable under the circumstances involved, and where the delay was not

within the contemplation of the parties; ***however***, Contractor shall not be entitled to monetary compensation when (a) Contractor could have reasonably anticipated the delay and avoided or minimized the cost impacts of it, (b) there was a concurrent delay which does not qualify for monetary compensation under this paragraph, (c) the cause of the delay was reasonably unforeseen by the Owner or the delay was caused by factors beyond the control of the Owner, including but not limited to a delay under Section 2.2.8 above or a delay caused by a utility company's failure to perform despite Owner's reasonable arrangements for such performance; or (d) any other defense available to Owner under law or equity applies. Contractor has the burden of proving that any delay was excusable and compensable, including an analysis that establishes non-concurrency.

8.4.3 NOTICE BY CONTRACTOR REQUIRED; PROCEDURES FOR DEMANDING ADDITIONAL TIME OR MONEY

For notice and other required procedures related to requests by Contractor for additional time or money related to delay, Contractor shall comply with the Contract Documents, including but not limited to Sections 3.18 and 4.5, and Article 7, above.

8.4.4 EARLY COMPLETION

Regardless of the cause therefore, the Contractor may not maintain any Claim or cause of action against the Owner for damages incurred as a result of its failure or inability to Complete its Work on the Project in a shorter period than established in the Contract Documents, the parties stipulating that the period set forth in the Contract Documents is a reasonable time within which to perform the Work on the Project.

8.4.5 LIQUIDATED DAMAGES

Failure to Complete the Work within the Contract Time and in the manner provided for by the Contract Documents, or failure to complete any specified portion of the Work by a milestone deadline, shall subject the Contractor to liquidated damages as described in Article III of the Agreement and the Contract Documents. Accordingly, the parties agree that the amount set forth in the Agreement shall be presumed to be the amount of damages which the Owner shall directly incur as a result of each calendar day by which Completion of the Work is delayed beyond the Contract Time as adjusted by Change Orders.

In addition, delaying another contractor's work on the Project or causing delay to the *completion* of the Project shall subject the Contractor to liquidated damages as described in Article III of the Agreement and the Contract Documents. Accordingly, the parties agree that the amount set forth in the Agreement shall be presumed to be the amount of damages which the Owner shall directly incur as a result of each calendar day by which Contractor delays the work of others on the Project or *completion* of the Project itself.

If liquidated damages accrue as described above, the Owner, in addition to all other remedies provided by law, shall have the right to assess and withhold as provided in Article III of the Agreement and the Contract Documents.

8.5 GOVERNMENT APPROVALS

Owner shall not be liable for any delays or damages related to the time required to obtain government approvals.

ARTICLE 9

PAYMENTS AND COMPLETION

9.1 CONTRACT SUM

The Contract Sum is stated in the Agreement, later adjusted by Change Orders and Construction Change Directives, and is the total amount payable by the Owner to the Contractor for performance of the Work under the Contract Documents.

9.2 COST BREAKDOWN

9.2.1 REQUIRED INFORMATION

On forms approved by the Owner, the Contractor shall furnish the following:

A. Within ten (10) days of the mailing, faxing or delivering of the Notice of Award of the Contract, a detailed breakdown of the Contract Sum (Schedule of Values) for each Project or Site. Each item in the schedule of values shall include its proper share of the overhead and profit.

B. Within ten (10) days of the mailing, faxing or delivering of the Notice of Award of the Contract, a schedule of estimated monthly payment requests (cash flow) due the Contractor showing the values and construction time of the various portions of the Work to be performed by it and by its Subcontractors or material and equipment suppliers containing such supporting evidence as to its correctness as the Owner may require;

C. Five (5) days prior to the submission of a pay request, an itemized breakdown of work done for the purpose of requesting partial payments;

D. Within ten (10) days of the mailing, faxing or delivering of the Notice of Award of the Contract, the name, address, telephone number, fax number, license number, and classification of all of its Subcontractors and of all other parties furnishing labor, material, or equipment for its Contract, along with the amount of each such subcontract or the price of such labor, material, and equipment needed for its entire portion of the Work.

9.2.2 **OWNER ACCEPTANCE REQUIRED**

The Owner shall review all submissions received pursuant to paragraph 9.2.1 in a timely manner. All submissions must be accepted by the Owner before becoming the basis of any payment.

9.3 APPLICATIONS FOR PAYMENT

9.3.1 **PROCEDURE**

On or before the fifth (5th) day of each calendar month during the progress of the portion of the Work for which payment is being requested, the Contractor shall submit to the Architect, unless there is a construction manager for the Project or the Owner directs otherwise, an itemized Application for Payment for operations completed in accordance with the Schedule of Values through the end of the previous calendar month. Such application shall be notarized, if required, and supported by the following or such portion thereof as the applicable entity requires:

A. The amount paid to the date of the Application to the Contractor, to all its Subcontractors, and all others furnishing labor, material, or equipment for its Contract;

B. The amount being requested with the Application for Payment by the Contractor on its own behalf and separately stating the amount requested on behalf of each of the Subcontractors and all others furnishing labor, material, and equipment under the Contract;

C. The balance that will be due to each of such entities after said payment is made;

D. A certification that the Record Drawings and Annotated Specifications are current;

E. The Owner approved additions to and subtractions from the Contract Sum and Time;

F. A summary of the retentions (each Application shall provide for retention, as set out in Article 9.6);

G. Material invoices, evidence of equipment purchases, rentals, and other support and details of cost as the Owner may require from time to time;

H. The percentage of Completion of the Contractor's Work by line item;

I. A statement showing all payments made by the Contractor for labor and materials on account of the Work covered in the preceding Application for Payment. Such applications shall not include requests for payment of amounts the Contractor does not intend to pay to subcontractors or others because of a dispute or other reason; and

J. Contractor's monthly reports, daily reports, and monthly schedule updates for all months of Work prior to the Application for Payment that Contractor has not previously submitted.

9.3.2 PURCHASE OF MATERIALS AND EQUIPMENT

As the Contractor is required to order, obtain, and store materials and equipment sufficiently in advance of its Work at no additional cost or advance payment from Owner, to assure that there will be no delays, payment by the Owner for stored material shall be made only in unusual circumstances where the Architect specifically recommends, and Owner specifically approves the payment in writing. If payments are to be made on account of materials and equipment not incorporated in the Work, but delivered and suitably stored at the Site or at some other location agreed upon in writing by the Owner, the payments shall be conditioned upon submission by the Contractor, Subcontractor, or vendor of bills of sale and such other documents satisfactory to the Owner to establish the Owner's title to such materials or equipment free of all liens and encumbrances, and otherwise protect the Owner's interest, including, without limitation, provision of applicable insurance and transportation to the Site. All stored items shall be inventoried, specified by identification numbers (if applicable), released to the Owner by sureties of the Contractor and the Subcontractor and, if stored off-Site, stored only in a bonded warehouse.

9.3.3 WARRANTY OF TITLE

The Contractor warrants that title to all Work covered by an Application for Payment will pass to the Owner no later than the time of payment. The Contractor further warrants that upon submittal of an Application for Payment all Work for which Certificates for Payment have been previously issued and payments received from the Owner shall, to the best of the Contractor's knowledge, information, and belief, be free and clear of liens, claims, security interests, or encumbrances in favor of the Contractor, Subcontractors, material and equipment suppliers, or other persons or entities making a claim by reason of having provided labor, materials, and equipment relating to the Work. Transfer of title to Work does not constitute a waiver by Owner of any defects in the Work.

9.4 REVIEW OF PROGRESS PAYMENT

9.4.1 OWNER ACCEPTANCE

The Owner will, within seven (7) days after receipt of the Contractor's Application for Payment, either accept such payment or notify the Contractor in writing of the Owner's reasons for withholding acceptance in whole or in part as provided in paragraph 9.5.1.

9.4.2 OWNER'S REVIEW

The review of the Contractor's Application for Payment by the Owner will be based, at least in part, on the Owner's observations at the Site and the data comprising the Application for

Payment that the Work has progressed to the point indicated. The review is also subject to an evaluation of the Work for conformance with the Contract Documents, to results of subsequent tests and inspections, to minor deviations from the Contract Documents correctable prior to Completion, and to specific qualifications expressed by the Owner. The Owner may reject the Application for Payment if it is not complete under section 9.3. The issuance of a Certificate for Payment will constitute a representation that the Contractor is entitled to payment in the amount certified, subject to any specific qualifications Owner expresses in the Certificate for Payment. However, Contractor's entitlement to payment may be affected by subsequent evaluations of the Work for conformance with the Contract Documents, test and inspections and discovery of minor deviations from the Contract Documents correctable prior to Completion. The issuance of a Certificate for Payment will not be a waiver by the Owner of any defects in the Work covered by the Application for Payment, nor will it be a representation that the Owner has:

A. Made exhaustive or continuous on-Site inspections to check the quality or quantity of the Work;

B. Reviewed construction means, methods, techniques, sequences, or procedures;

C. Reviewed copies of requisitions received from Subcontractors, material and equipment suppliers, and other data requested by the Owner to substantiate the Contractor's right to payment; or

D. Made an examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract Sum.

9.5 DECISIONS TO WITHHOLD PAYMENT

9.5.1 REASONS TO WITHHOLD PAYMENT

The Owner may withhold from a progress payment, in whole or in part, to such extent as may be necessary to protect the Owner due to any of the following:

A. Defective or incomplete Work not remedied;

B. Stop Payment Notices. For any stop payment notice, the Owner shall withhold the amount stated in the stop payment notice, the stop notice claimant's anticipated interest and court costs and an amount to provide for the public entity's reasonable cost of any litigation pursuant to the stop payment notice. For any stop payment notice action the parties resolve before judgment is entered, Owner has the right to permanently withhold for any reasonable cost of litigation for that stop payment notice, even if it exceeds the amount originally withheld by Owner for the estimated reasonable cost of litigation. However, if (1) the Contractor at its sole expense provides a bond or other security satisfactory to the Owner in the amount of at least one hundred twenty-five percent (125%) of the claim, in a form satisfactory to the Owner, which protects the Owner against such claim, and (2) the Owner chooses to accept the bond, then Owner would release the withheld

stop payment notice funds to the Contractor, except that Owner may permanently withhold for any reasonable cost of litigation. Any stop payment notice release bond shall be executed by a California admitted, fiscally solvent surety, completely unaffiliated with and separate from the surety on the payment and performance bonds, that does not have any assets pooled with the payment and performance bond sureties.

C. Liquidated damages against the Contractor, whether already accrued or estimated to accrue in the future;

D. Reasonable doubt that the Work can be Completed for the unpaid balance of any Contract Sum or within the Contract Time;

E. Damage to the property or work of the Owner, another contractor, or subcontractor;

F. Unsatisfactory prosecution of the Work by the Contractor;

G. Failure to store and properly secure materials;

H. Failure of the Contractor to submit on a timely basis, proper and sufficient documentation required by the Contract Documents, including, without limitation, monthly progress schedules, shop drawings, submittal schedules, schedule of values, product data and samples, proposed product lists, executed change orders, and verified reports;

I. Failure of the Contractor to maintain record drawings;

J. Erroneous estimates by the Contractor of the value of the Work performed, or other false statements in an Application for Payment;

K. Unauthorized deviations from the Contract Documents;

L. Failure of the Contractor to prosecute the Work in a timely manner in compliance with established progress schedules and Completion deadlines;

M. Subsequently discovered evidence or observations nullifying the whole or part of a previously issued Certificate for Payment;

N. Failure by Contractor to pay Subcontractors or material suppliers as required by Contract or law, which includes but is not limited to Contractor’s failure to pay prevailing wage and any assessment of statutory penalties;

O. Overpayment to Contractor on a previous payment;

P. Credits owed to Owner for reduced scope of work or work that Contractor will

not perform, including credits for any unspent contingency fund or allowances;

Q. The estimated cost of performing work pursuant to Section 2.4;

R. Actual damages related to false claims by Contractor;

S. Breach of any provision of the Contract Documents;

T. Owner's potential or actual loss, liability or damages caused by the Contractor; and

U. As permitted by other provisions in the Contract or as otherwise allowed by law, including statutory penalties Owner or other entities assessed against Contractor. (See e.g., Labor Code section 1813 (working hours) or Public Contract Code section 4110 (subcontractor listings and substitutions))

Owner may, but is not required to, provide to Contractor with the progress payment written notice of the items for which Owner is withholding amounts from the payment. To claim wrongful withholding by the Owner, or if Contractor otherwise disputes any amount being withheld, Contractor must submit an inquiry in writing to Owner within thirty (30) days of receipt of the notice, and Owner shall respond within fifteen (15) days of receipt of the inquiry. If any disputed issues remain unresolved after Owner's response, Contractor shall timely submit a Claim pursuant to Section 4.5.

For any withhold amount based on an estimate where the actual amount later becomes known and certain, no later than the final accounting for the Contract the Owner will release any amount withheld over that certain and known amount. If the certain and known amount exceeds the amount previously withheld, Owner may withhold additional amounts from Contractor to cover the excess amount. If available funds are not sufficient, Contractor shall pay Owner the difference.

9.5.2 PAYMENT AFTER CURE

When Contractor removes or cures the grounds for withholding amounts, payment shall be made for amounts withheld because of them. No interest shall be paid on any retainage or amounts withheld due to the failure of the Contractor to perform in accordance with the terms and conditions of the Contract Documents.

9.5.3 OVERPAYMENT AND/OR FAILURE TO WITHHOLD

Neither Owner's overpayment to Contractor, nor Owner's failure to withhold an amount from payment that Owner had the right to withhold, shall constitute a waiver by Owner of its rights to withhold those amounts from future payments to Contractor or to otherwise pursue recovery of those amounts from Contractor.

9.6 PROGRESS PAYMENTS

9.6.1 PAYMENTS TO CONTRACTOR

Unless otherwise stated in the Contract Documents, within thirty (30) days after receipt of an undisputed and properly submitted Application for Payment, Contractor shall be paid a sum equal to ninety-five percent (95%) of the undisputed value of the Work performed up to the last day of the previous month, less the aggregate of previous payments; and Owner shall retain the other five percent (5%) of the undisputed value of the Work. The value of the Work completed shall be an estimate only, no inaccuracy or error in said estimate shall operate to release the Contractor, or any bondsman, from damages arising from such Work or from enforcing each and every provision of this Contract, and the Owner shall have the right subsequently to correct any error made in any estimate for payment. Contractor shall base an Application for Payment only on the original Contract Sum plus any fully executed and Board-approved Change Orders. Contractor shall not include Notices of Potential Claims, CORs, Claims or disputed amounts.

The Contractor shall not be entitled to have any payment requests processed, or be entitled to have any payment made for work performed, so long as any lawful or proper direction given by the Owner concerning the Work, or any portion thereof, remains uncomplied with. Payment shall not be a waiver of any such direction.

9.6.2 PAYMENTS TO SUBCONTRACTORS

No later than ten (10) days after receipt of payment from Owner, pursuant to Business and Professions Code section 7108.5, the Contractor shall pay to each Subcontractor, out of the amount paid to the Contractor on account of such Subcontractor's portion of the Work, the amount to which said Subcontractor is entitled, reflecting percentages actually retained from payments to the Contractor on account of such Subcontractor's portion of the Work. The Contractor shall, by appropriate agreement with each Subcontractor, require each Subcontractor to make payments to Sub-subcontractors in a similar manner.

9.6.3 PERCENTAGE OF COMPLETION OR PAYMENT INFORMATION

The Owner will, on request, furnish to a Subcontractor, if practicable, information regarding percentages of Completion or amounts applied for by the Contractor, and action taken thereon by the Owner, on account of portions of the Work done by such Subcontractor.

9.6.4 NO OBLIGATION OF OWNER FOR SUBCONTRACTOR PAYMENT

The Owner shall have no obligation to pay, or to see to the payment of, money to a Subcontractor except as may otherwise be required by law.

9.6.5 PAYMENT TO SUPPLIERS

Payment to material or equipment suppliers shall be treated in a manner similar to that provided

in paragraphs 9.6.2, 9.6.3 and 9.6.4.

9.6.6 PAYMENT NOT CONSTITUTING APPROVAL OR ACCEPTANCE

An accepted Application for Payment, issuance of a Certificate for Payment, a progress payment, or partial or entire use or occupancy of the Project by the Owner shall not constitute acceptance or approval of any portion of the Work, especially any Work not in accordance with the Contract Documents.

9.6.7 JOINT CHECKS

Owner shall have the right, if necessary for the protection of the Owner, to issue joint checks made payable to the Contractor and Subcontractors and/or material or equipment suppliers. The joint check payees shall be responsible for the allocation and disbursement of funds included as part of any such joint payment. However, Owner has no duty to issue joint checks. In no event shall any joint check payment be construed to create any contract between the Owner and a Subcontractor of any tier, any obligation from the Owner to such Subcontractor, or rights in such Subcontractor against the Owner.

9.7 COMPLETION OF THE WORK

9.7.1 CLOSE-OUT PROCEDURES

When the Contractor considers that the Work is Complete and submits a written notice to Owner requesting an inspection of the Work, the Owner shall review the Work and prepare and submit to the Contractor a comprehensive list of items to be Completed or corrected (the "Punch List"). The Punch List shall include all outstanding obligations of Contractor, including training, start-up, testing, and submission to Owner of all required documentation (e.g., written guarantees, warranties, invoices, as-built drawings, manuals, bonds, and the documents described in Sections 9.3 and 9.9). The Contractor and/or its Subcontractors shall proceed promptly to Complete and correct items on the Punch List. Failure to include an item on the Punch List does not alter the responsibility of the Contractor to Complete all Work (including the omitted item) in accordance with the Contract Documents, and to Complete or correct the Work so long as the statute of limitations (or repose) has not run.

When the Contractor believes the Punch List Work is Complete and in accordance with the Contract Documents, it shall then submit a request for an additional inspection by the Owner to determine Completion. Owner shall again inspect the Work and inform the Contractor of any items that are not complete or correct. Contractor shall promptly Complete or correct items until no items remain.

After the Work, including all Punch List Work, is inspected and informally deemed by the Owner to be Complete, the Owner's governing body may formally accept the Work as Complete at a meeting of the governing body. Warranties required by the Contract Documents shall commence on the date of Contractor's Completion of the Work (see Sections 3.5, 12.2.5, and 12.2.6).

9.7.2 COSTS OF MULTIPLE INSPECTIONS

More than two (2) requests by Contractor to make inspections to confirm Completion as required under paragraph 9.7.1 shall be considered an additional service of Owner, and all subsequent costs will be invoiced to Contractor and withheld from remaining payments.

9.8 PARTIAL OCCUPANCY OR USE

The Owner may occupy or use any completed, or partially completed, portion of the Work at any stage prior to acceptance, or prior to Completion if there is no formal acceptance. Occupancy or use of any portion of the Work, or the whole Work, shall not constitute approval or acceptance of it, nor shall such occupancy or use relieve Contractor of any of its obligations under the Contract Documents regarding that portion of, or the whole, Work.

The Owner and the Contractor shall agree in writing to the responsibilities assigned to each of them for payments, security, maintenance, heat, utilities, damage to the Work, insurance, the period for correction of the Work, and the commencement of warranties required by the Contract Documents. When the Contractor considers a portion complete, the Contractor may request an inspection of that portion and preparation of a Punch List by the Owner for that portion, as set forth for the entire Work under paragraph 9.7.1; however, such inspection and Punch List shall not act as any form of approval or acceptance of that portion of the Work, or of any Work not complying with the requirements of the Contract, and that portion shall be subject to subsequent inspections and Punch Lists.

Immediately prior to such partial occupancy or use, the Owner, the Architect and the Contractor shall jointly inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.

9.9 FINAL PROGRESS PAYMENT AND RELEASE OF RETENTION

9.9.1 FINAL APPLICATION FOR PROGRESS PAYMENT

When, pursuant to Section 9.7.1, the Owner finds all of the Work is Completed in accordance with the Contract Documents, it shall so notify Contractor, who shall then submit to the Owner its final Application for Payment.

Upon receipt and approval of such final Application for Payment, the Owner shall issue a final Certificate of Payment, based on its knowledge, information, and belief, and on the basis of its observations, inspections, and all other data accumulated or received by the Owner in connection with the Work, that such Work has been Completed in accordance with the Contract Documents.

9.9.2 PROCEDURES FOR APPLICATION FOR FINAL PROGRESS PAYMENT

The Application for Final Progress Payment pursuant to Section 9.9.1 shall be accompanied by the same details as set forth in paragraph 9.3, and in addition, the following conditions must be

fulfilled:

A. The Work shall be Complete, and the Contractor shall have made, or caused to have been made, all corrections to the Work which are required to remedy any defects therein, to obtain compliance with the Contract Documents or any requirements of applicable codes and ordinances, or to fulfill any of the orders or directions of Owner required under the Contract.

B. Each Subcontractor shall have delivered to the Contractor all written guarantees, warranties, applications, and bonds required by the Contract Documents for its portion of the Work, and Contractor delivered them to the Owner.

C. The Contractor shall deliver to the Owner (i) reproducible final Record Drawings and Annotated Specifications showing the Contractor's Work "as built," with the Contractor's certification of the accuracy of the Record Drawings and Annotated Specifications, (ii) all warranties and guarantees, (iii) operation and maintenance instructions, manuals and materials for equipment and apparatus, and (iv) all other documents required by the Contract Documents.

D. Contractor shall provide extensive assistance in the utilization of any equipment or system such as initial start-up or testing, adjusting and balancing, preparation of operation and maintenance manuals and training personnel for operation and maintenance.

Acceptance of Final Progress Payment shall constitute a complete waiver of Claims except for those previously identified in writing and identified by that payee as unsettled at the time of Final Progress Payment.

9.9.3 RELEASE OF RETAINAGE

Owner may withhold from release or payment of retainage (or "retention") up to 150% of disputed amounts listed in Section 9.5. If retainage is held in an escrow account pursuant to an escrow agreement under Public Contract Code section 22300 (see Section 9.10) and Owner withholds from release of retainage based on a breach of the Contract, or other default, by Contractor, Owner may withdraw the withheld retainage from the escrow account. Owner shall release the undisputed retainage within sixty (60) days after Completion of the Work. For this purpose, "Completion" is defined in Public Contract Code section 7107(c). No interest shall be paid on any retainage, or on any amounts withheld, except as provided to the contrary in any Escrow Agreement and General Conditions between the Owner and the Contractor under Public Contract Code section 22300.

9.10 SUBSTITUTION OF SECURITIES

In accordance with section 22300 of the Public Contract Code, the Owner will permit the substitution of securities for any retention monies withheld by the Owner to ensure performance under the Contract. At the request and expense of the Contractor, securities equivalent to the

amount withheld shall be deposited with the Owner, or with a state or federally chartered bank as the escrow agent, who shall then pay such retention monies to the Contractor. Upon Completion of the Contract, the securities shall be returned to the Contractor if Owner has no basis to withhold under the Contract Documents.

Securities eligible for investment under this section shall include those listed in Government Code section 16430, bank or savings and loan certificates of deposit, interest-bearing, demand-deposit accounts, standby letters of credit, or any other security mutually agreed to by the Contractor and the Owner.

The Contractor shall be the beneficial owner of any securities substituted for monies withheld and shall receive any interest thereon.

Any escrow agreement entered by Owner and Contractor pursuant to Public Contract Code section 22300, shall be substantially similar to the form set forth in Public Contract Code section 22300.

ARTICLE 10

PROTECTION OF PERSONS AND PROPERTY

10.1 SAFETY PRECAUTIONS AND PROGRAMS

10.1.1 CONTRACTOR RESPONSIBILITY

The Contractor shall have responsibility for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Contract. Each Contractor shall designate a responsible member of its organization whose duties shall include loss and accident prevention, and who shall have the responsibility and full authority to enforce the program. This person shall attend meetings with the representatives of the various Subcontractors employed to ensure that all employees understand and comply with the programs. Contractor will ensure that his employees and Subcontractors cooperate and coordinate safety matters with any other contractors on the Project to form a joint safety effort.

10.1.2 SUBCONTRACTOR RESPONSIBILITY

Subcontractors have the responsibility for participating in, and enforcing, the safety and loss prevention programs established by the Contractor for the Project, which will cover all Work performed by the Contractor and its Subcontractors. Each Subcontractor shall designate a responsible member of its organization whose duties shall include loss and accident prevention, and who shall have the responsibility and full authority to enforce the program. This person shall attend meetings with the representatives of the various Subcontractors employed to ensure that all employees understand and comply with the programs.

10.1.3 COOPERATION

All Subcontractors and material or equipment suppliers, shall cooperate fully with Contractor, the Owner, and all insurance carriers and loss prevention engineers.

10.1.4 ACCIDENT REPORTS

Subcontractors shall promptly report in writing to the Contractor all accidents whatsoever arising out of, or in connection with, the performance of the Work, whether on or off the Site, which caused death, personal injury, or property damage, giving full details and statements of witnesses. In addition, if death or serious injuries or serious damages are caused, the accident shall be reported immediately by telephone or messenger. Contractor shall thereafter promptly report the facts in writing to the Owner giving full details of the accident.

10.1.5 FIRST-AID SUPPLIES AT SITE

The Contractor will provide and maintain at the Site first-aid supplies for minor injuries.

10.2 SAFETY OF PERSONS AND PROPERTY

10.2.1 THE CONTRACTOR

The Contractor shall take reasonable precautions for the safety of, and shall provide reasonable protection to prevent damage, injury, or loss to:

A. Employees on the Work and other persons who may be affected thereby;

B. The Work, material, and equipment to be incorporated therein, whether in storage on or off the Site, under the care, custody, or control of the Contractor or the Contractor's Subcontractors or Sub-subcontractors; and

C. Other property at the Site or adjacent thereto such as trees, shrubs, lawns, walks, pavement, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.

10.2.2 CONTRACTOR NOTICES

The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations, and lawful orders of public authorities bearing on the safety of persons or property or their protection from damage, injury, or loss.

10.2.3 SAFETY BARRIERS AND SAFEGUARDS

The Contractor shall erect and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying owners and users

of adjacent sites and utilities.

10.2.4 USE OR STORAGE OF HAZARDOUS MATERIAL

When use or storage of explosives, other hazardous materials or equipment, or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel. The Contractor shall notify the Owner any time that explosives or hazardous materials are expected to be stored on Site. Location of storage shall be coordinated with the Owner and local fire authorities.

10.2.5 FINGERPRINTING

At its own expense, Contractor shall comply with all fingerprinting requirements under law and Contract, including but not limited to the requirements of Education Code section 45125.2 and the Independent Contractor Student Contact Form which is a part of the Contract. Contractor shall hold harmless, defend and indemnify the Owner under section 3.16, for any costs, including attorneys' fees, Owner incurs from Contractor's failure to comply.

10.3 PROTECTION OF WORK AND PROPERTY

10.3.1 PROTECTION OF WORK

The Contractor and Subcontractors shall continuously protect the Work, the Owner's property, and the property of others, from damage, injury, or loss until the earlier of formal acceptance of the Work or Completion of the Work. The Contractor and Subcontractors shall make good any such damage, injury, or loss, except such as may be solely due to, or caused by, agents or employees of the Owner.

10.3.2 PROTECTION FOR ELEMENTS

The Contractor will remove all mud, water, or other elements as may be required for the proper protection and prosecution of its Work. The Contractor shall at all times provide heat, coverings, and enclosures necessary to maintain adequate protection against weather so as to preserve the Work, materials, equipment, apparatus, and fixtures free from injury or damage.

10.3.3 SHORING AND STRUCTURAL LOADING

The Contractor shall not impose structural loading upon any part of the Work under construction or upon existing construction on or adjacent to the Site in excess of safe limits, or loading such as to result in damage to the structural, architectural, mechanical, electrical, or other components of the Work. The design of all temporary construction equipment and appliances used in construction of the Work and not a permanent part thereof, including, without limitation, hoisting equipment, cribbing, shoring, and temporary bracing of structural steel, is the sole responsibility of the Contractor. All such items shall conform to the requirements of governing codes and all laws, ordinances, rules, regulations, and orders of all authorities having jurisdiction. The Contractor shall take special precautions, such as shoring of masonry walls and temporary tie

bracing of structural steel work, to prevent possible wind damage during construction of the Work. The installation of such bracing or shoring shall not damage or cause damage to the Work in place or the Work installed by others. Any damage which does occur shall be promptly repaired by the Contractor at no cost to the Owner.

10.3.4 CONFORMANCE WITHIN ESTABLISHED LIMITS

The Contractor and Subcontractors shall confine their construction equipment, the storage of materials, and the operations of workers to the limits indicated by laws, ordinances, permits, and the limits established by the Owner, and shall not unreasonably encumber the premises with construction equipment or materials.

10.3.5 SUBCONTRACTOR ENFORCEMENT OF RULES

Subcontractors shall enforce the Owner's and the Contractor's instructions, laws, and regulations regarding signs, advertisements, fires, smoking, the presence of liquor, and the presence of firearms by any person at the Site.

10.3.6 SITE ACCESS

The Contractor and the Subcontractors shall use only those ingress and egress routes designated by the Owner, observe the boundaries of the Site designated by the Owner, park only in those areas designated by the Owner, which areas may be on or off the Site, and comply with any parking control program established by the Owner such as furnishing license plate information and placing identifying stickers on vehicles.

10.3.7 PROTECTION OF MATERIALS

The Contractor and the Subcontractors shall receive, count, inspect for damage, record, store, and protect construction materials for the Work and Subcontractors shall promptly send to the Contractor evidence of receipt of such materials, indicating thereon any shortage, change, or damage (failure to so note shall constitute acceptance by the Subcontractor of financial responsibility for any shortage).

10.4 EMERGENCIES

10.4.1 EMERGENCY ACTION

In an emergency affecting the safety of persons or property, the Contractor shall take any action necessary, at the Contractor's discretion, to prevent threatened damage, injury, or loss. Additional money or extension of time claimed by the Contractor on account of an emergency shall be determined as provided in Section 4.5 and Article 7.

10.4.2 ACCIDENT REPORTS

The Contractor shall promptly report in writing to the Owner all accidents arising out of or in

connection with the Work, which caused death, personal injury, or property damage, giving full details and statements of any witnesses. In addition, if death, serious personal injuries, or serious property damages are caused, the accident shall be reported immediately by telephone or messenger to the Owner.

10.5 HAZARDOUS MATERIALS

10.5.1 DISCOVERY OF HAZARDOUS MATERIALS

In the event the Contractor encounters or suspects the presence on the Site material reasonably believed to be asbestos, polychlorinated biphenyl (PCB), or any other material defined as being hazardous by section 25249.5 of the California Health and Safety Code, which (a) has not been rendered harmless, and (b) the handling or removal of which is not within the scope of the Work, the Contractor shall immediately stop Work in the area affected and report the condition to the Owner and the Architect in writing, whether such material was generated by the Contractor, another contractor, or the Owner. The Work in the affected area shall not thereafter be resumed, except by written agreement of the Owner and the Contractor, if in fact the material is asbestos, polychlorinated biphenyl (PCB), or other hazardous material, and has not been rendered harmless. The Work in the affected area shall be resumed only in the absence of asbestos, polychlorinated biphenyl (PCB), or other hazardous material, or when it has been rendered harmless by written agreement of the Owner and the Contractor.

10.5.2 HAZARDOUS MATERIAL WORK LIMITATIONS

In the event that the presence of hazardous materials is suspected or discovered on the Site, the Owner shall retain an independent testing laboratory to determine the nature of the material encountered and whether corrective measures or remedial action is required. The Contractor shall not be required pursuant to Article 7 to perform without consent any Work in the affected area of the Site relating to asbestos, polychlorinated biphenyl (PCB), or other hazardous material, until any known or suspected hazardous material has been removed, or rendered harmless, or determined to be harmless by Owner, as certified by an independent testing laboratory and/or approved by the appropriate government agency.

10.5.3 INDEMNIFICATION BY OWNER FOR HAZARDOUS MATERIAL NOT CAUSED BY CONTRACTOR

In the event the presence of hazardous materials on the Site is not caused by the Contractor, Owner shall pay for all costs of testing and remediation, if any, and shall compensate Contractor for any delay or additional costs incurred in accordance with the applicable provisions of Articles 7 and 8 herein. Owner shall defend, indemnify and hold harmless the Contractor and its agents, officers, directors and employees from and against any and all claims, damages, losses, costs and expenses incurred in connection with or arising out of, or relating to, the performance of the Work in the area affected by the hazardous material, except to the extent the claims, damages, losses, costs, or expenses were caused by Contractor's active negligence, sole negligence or willful misconduct. By providing this indemnification, Owner does not waive any immunities.

10.5.4 INDEMNIFICATION BY CONTRACTOR FOR HAZARDOUS MATERIAL CAUSED BY CONTRACTOR

In the event the presence of hazardous materials on the Site is caused by Contractor, Subcontractors, materialmen or suppliers, the Contractor shall pay for all costs of testing and remediation, if any, and shall compensate the Owner for any additional costs incurred as a result of the generation of hazardous material on the Project Site. In addition, the Contractor shall defend, indemnify and hold harmless Owner and its agents, officers, and employees from and against any and all claims, damages, losses, costs and expenses incurred in connection with, arising out of, or relating to, the presence of hazardous material on the Site, except to the extent the claims, damages, losses, costs, or expenses were caused by Owner's active negligence, sole negligence or willful misconduct.

10.5.5 TERMS OF HAZARDOUS MATERIAL PROVISION

The terms of this Hazardous Material provision shall survive the Completion of the Work and/or any termination of this Contract.

10.5.6 ARCHEOLOGICAL MATERIALS

In the event the Contractor encounters or reasonably suspects the presence on the Site of archeological materials, the Contractor shall immediately stop Work in the area affected and report the condition to the Owner and the Architect in writing. The Work in the affected area shall not thereafter be resumed, except after Contractor's receipt of written notice form the Owner.

ARTICLE 11

INSURANCE AND BONDS

11.1. CONTRACTOR'S LIABILITY INSURANCE

11.1.1 LIABILITY INSURANCE REQUIREMENTS

11.1.1 By the earlier of the deadline set forth in the Instructions to Bidders or the commencement of the Work and within limits acceptable to the Owner, the Contractor shall purchase from and maintain in a company or companies lawfully authorized to do business in California as admitted carriers with a financial rating of at least A+, Class XII status as rated in the most recent edition of Best's Insurance Reports such commercial general liability insurance per occurrence for bodily injury, personal injury and property damage as set forth in the Agreement and automobile liability insurance per accident for bodily injury and property damage combined single limit as set forth in the Agreement as will protect the Contractor from claims set forth below, which may arise out of or result from the Contractor's operations under the Contract and for which the Contractor may be legally liable, whether such operations are by the Contractor, by a Subcontractor, by Sub-subcontractor, by anyone directly or indirectly employed

by any of them, or by anyone for whose acts any of them may be liable:

11.1.1.1 claims for damages because of bodily injury (including emotional distress), sickness, disease, or death of any person other than the Contractor's employees. This coverage shall be provided in a form at least as broad as Insurance Services Office (ISO) Form CG 0001 11188;

11.1.1.2 claims for damages arising from personal or advertising injury in a form at least as broad as ISO Form CG 0001 11188;

11.1.1.3 claims for damages because of injury or destruction of tangible property, including loss of use resulting therefrom, arising from operations under the Contract Documents; and

11.1.1.4 claims for damages because of bodily injury, death of a person, or property damage arising out of the ownership, maintenance, or use of a motor vehicle, all mobile equipment, and vehicles moving under their own power and engaged in the Work; and

11.1.1.5 claims involving blanket contractual liability applicable to the Contractor's obligations under the Contract Documents, including liability assumed by and the indemnity and defense obligations of the Contractor and the Subcontractors; and

11.1.1.6 claims involving Completed Operations, Independent Contractors' coverage, and Broad Form property damage, without any exclusions for collapse, explosion, demolition, underground coverage, and excavating. (XCU)

If commercial general liability insurance or another insurance form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the project location (with the ISO CG 2501 or insurer's equivalent endorsement provided to the Owner) or the general aggregate limit shall be twice the required occurrence limit.

Any deductible or self-insured retention must be declared to and approved by the Owner. At the option of the Owner, either the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Owner, its Board of Trustees, members of its Board of Trustees, officers, employees, agents and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

11.1.2 **SUBCONTRACTOR INSURANCE REQUIREMENTS**

The Contractor shall require its Subcontractors and any Sub-subcontractors to take out and maintain similar public liability insurance and property damage insurance, in a company or

companies lawfully authorized to do business in California as admitted carriers with a financial rating of at least A+, Class XII status as rated in the most recent edition of Best's Insurance Reports, in like amounts and scope of coverage.

11.1.3 OWNER'S INSURANCE

The Owner shall be responsible for purchasing and maintaining the Owner's usual liability insurance. Optionally, the Owner may purchase and maintain other insurance for self protection against claims which may arise from operations under the Contract. The Contractor shall not be responsible for purchasing and maintaining this optional Owner's liability insurance unless specifically required by the Contract Documents.

11.1.4 ADDITIONAL INSURED ENDORSEMENT REQUIREMENTS

The Contractor shall name, on any policy of insurance, the Owner and the Architect as additional insureds. Subcontractors shall name the Contractor, the Owner and the Architect as additional insureds. The Additional Insured Endorsement included on all such insurance policies shall state that coverage is afforded the additional insured with respect to claims arising out of operations performed by or on behalf of the insured. If the additional insureds have other insurance which is applicable to the loss, such other insurance shall be excess to any policy of insurance required herein. The amount of the insurer's liability shall not be reduced by the existence of such other insurance.

11.1.5 WORKERS' COMPENSATION INSURANCE

During the term of this Contract, the Contractor shall provide workers' compensation insurance for all of the Contractor's employees engaged in Work under this Contract on or at the Site of the Project and, in case any of the Contractor's work is sublet, the Contractor shall require the Subcontractor to provide workers' compensation insurance for all the Subcontractor's employees engaged in Work under the subcontract. Any class of employee or employees not covered by a Subcontractor's insurance shall be covered by the Contractor's insurance. In case any class of employees engaged in Work under this Contract on or at the Site of the Project is not protected under the Workers' Compensation laws, the Contractor shall provide or cause a Subcontractor to provide adequate insurance coverage for the protection of those employees not otherwise protected. The Contractor shall file with the Owner certificates of insurance as required under this Article and in compliance with Labor Code section 3700.

If the contractor fails to maintain such insurance, the Owner may take out compensation insurance which the Owner might be liable to pay under the provisions of the Act by reason of an employee of the Contractor being injured or killed, and withhold from progress payments and/or retention the amount of the premium for such insurance.

11.1.6 BUILDER'S RISK/"ALL RISK" INSURANCE

11.1.6.1 COURSE-OF-CONSTRUCTION INSURANCE REQUIREMENTS

Unless provided by Owner at Owner's sole discretion, Contractor, during the progress of the Work and until final acceptance of the Work by Owner upon Completion of the entire Contract, shall maintain Builder's Risk/Course-of-Construction insurance satisfactory to the Owner, issued on a completed value basis on all insurable Work included under the Contract Documents. This insurance shall insure against all risks, including but not limited to the following perils: vandalism, theft, malicious mischief, fire, sprinkler leakage, civil authority, sonic boom, explosion, collapse, flood, earthquake (for projects not solely funded through revenue bonds, limited to earthquakes equivalent to or under 3.5 on the Richter Scale in magnitude), wind, hail, lightning, smoke, riot or civil commotion, debris removal (including demolition) and reasonable compensation for the Architect's services and expenses required as a result of such insured loss. This insurance shall provide coverage in an amount not less than the full cost to repair, replace or reconstruct the Work. Such insurance shall include the Owner, the Architect, and any other person or entity with an insurable interest in the Work as an additional named insured.

The Contractor shall submit to the Owner for its approval all items deemed to be uninsurable under the Builder's Risk/Course-of Construction insurance. The risk of the damage to the Work due to the perils covered by the Builder's Risk/Course-of-Construction insurance, as well as any other hazard which might result in damage to the Work, is that of the Contractor and the surety, and no claims for such loss or damage shall be recognized by the Owner, nor will such loss or damage excuse the Complete and satisfactory performance of the Contract by the Contractor.

11.1.7 CONSENT OF INSURER FOR PARTIAL OCCUPANCY OR USE

Partial occupancy or use in accordance with the Contract Documents shall not commence until the insurance company providing property insurance has consented to such partial occupancy or use by endorsement or otherwise. The Owner and the Contractor shall take reasonable steps to obtain consent of the insurance company and shall, without mutual consent, take no action with respect to partial occupancy or use that would cause cancellation, lapse, or reduction of the insurance.

11.1.8 FIRE INSURANCE

Before the commencement of the Work, the Contractor shall procure, maintain, and cause to be maintained at the Contractor's expense, fire insurance on all Work included under the Contract Documents, insuring the full replacement value of such Work as well as the cost of any removal and demolition necessary to replace or repair all Work damaged by fire. The amount of fire insurance shall be subject to approval by the Owner and shall be sufficient to protect the Work against loss or damage in full until the Work is accepted by the Owner. Should the Work being constructed be damaged by fire or other causes during construction, it shall be replaced in accordance with the requirements of the drawings and specifications without additional expense to the Owner.

11.1.9 OTHER INSURANCE

The Contractor shall provide all other insurance required to be maintained under applicable laws, ordinances, rules, and regulations.

11.1.10 PROOF OF CARRIAGE OF INSURANCE

The Contractor shall not commence Work nor shall it allow any Subcontractor to commence Work under this Contract until all required insurance, certificates, and an Additional Insured Endorsement and Declarations Page have been obtained and delivered in duplicate to the Owner for approval subject to the following requirements:

(a) Certificates and insurance policies shall include the following clause:

> This policy shall not be non-renewed, canceled, or reduced in required limits of liability or amounts of insurance until notice has been mailed to the Owner. Date of cancellation or reduction may not be less than thirty (30) days after the date of mailing notice.

(b) Certificates of insurance shall state in particular those insured, the extent of insurance, location and operation to which the insurance applies, the expiration date, and cancellation and reduction notices.

(c) Certificates of insurance shall clearly state that the Owner and the Architect are named as additional insureds under the policy described and that such insurance policy shall be primary to any insurance or self-insurance maintained by Owner and any other insurance carried by the Owner with respect to the matters covered by such policy shall be excess and non-contributing.

(d) The Contractor and its Subcontractors shall produce a certified copy of any insurance policy required under this Section upon written request of the Owner.

11.1.11 COMPLIANCE

In the event of the failure of any contractor to furnish and maintain any insurance required by this Article, the Contractor shall be in default under the Contract. Compliance by Contractor with the requirement to carry insurance and furnish certificates, policies, Additional Insured Endorsement and Declarations Page evidencing the same shall not relieve the Contractor from liability assumed under any provision of the Contract Documents, including, without limitation, the obligation to defend and indemnify the Owner and the Architect.

11.2 PERFORMANCE AND PAYMENT BONDS

11.2.1 BOND REQUIREMENTS

Unless otherwise specified in the Contract Documents, prior to commencing any portion of the Work, the Contractor shall apply for and furnish Owner separate payment and performance bonds for its portion of the Work which shall cover 100% faithful performance of and payment of all obligations arising under the Contract Documents and/or guaranteeing the payment in full of all claims for labor performed and materials supplied for the Work. All bonds shall be provided by a corporate surety authorized and admitted to transact business in California. All bonds shall be submitted on the Owner's approved form.

To the extent, if any, that the Contract Sum is increased in accordance with the Contract Documents, the Contractor shall cause the amount of the bonds to be increased accordingly and shall promptly deliver satisfactory evidence of such increase to the Owner. To the extent available, the bonds shall further provide that no change or alteration of the Contract Documents (including, without limitation, an increase in the Contract Sum, as referred to above), extensions of time, or modifications of the time, terms, or conditions of payment to the Contractor will release the surety. If the Contractor fails to furnish the required bond, the Owner may terminate the Contract for cause.

11.2.2 SURETY QUALIFICATION

Only bonds executed by admitted Surety insurers as defined in Code of Civil Procedure section 995.120 shall be accepted. The surety insurers must, unless otherwise agreed to by Owner in writing, at the time of issuance of the bonds, have a rating not lower than "A-" as rated by A.M. Best Company, Inc. or other independent rating companies. Owner reserves the right to approve or reject the surety insurers selected by Contractor and to require Contractor to obtain bonds from surety insurers satisfactory to the Owner.

ARTICLE 12

UNCOVERING AND CORRECTION OF WORK

12.1 UNCOVERING OF WORK

12.1.1 UNCOVERING WORK FOR REQUIRED INSPECTIONS

If a portion of the Work is covered contrary to the Owner's request or to requirements specifically expressed in the Contract Documents, Contractor must, if required in writing by the Owner, uncover it for the Owner's observation and replace the removed work at the Contractor's expense without change in the Contract Sum or Time.

12.1.2 COSTS FOR INSPECTIONS NOT REQUIRED

If a portion of the Work has been covered which the Owner has not specifically requested to

observe prior to its being covered, the Owner may request to see such work, and it shall be uncovered by the Contractor. If such work is in accordance with the Contract Documents, costs of uncover and replacement shall, by appropriate Change Order, be paid by the Owner. If such work is not in accordance with Contract Documents, the Contractor shall pay such costs, unless the condition was caused by the Owner or a separate contractor, in which event the Owner shall be responsible for payment of such costs to the Contractor.

12.2 CORRECTION OF WORK; WARRANTY

12.2.1 CORRECTION OF REJECTED WORK

The Contractor shall promptly correct the work rejected by the Owner for failing to conform to the requirements of the Contract Documents, until the statutes of limitation (or repose) and all warranties have run, as applicable, and whether or not fabricated, installed or completed. The Contractor shall bear costs of correcting the rejected work, including additional testing, inspections, and compensation for the Owner's expenses and costs incurred.

12.2.2 REMOVAL OF NONCONFORMING WORK

The Contractor shall remove from the Site portions of the Work which are not in accordance with the requirements of the Contract Documents and are not corrected by the Contractor or accepted or approved by the Owner.

12.2.3 OWNER'S RIGHTS IF CONTRACTOR FAILS TO CORRECT

If the Contractor fails to correct nonconforming work within a reasonable time, the Owner may correct it in accordance with Section 2.4. As part of Owner's correction of the work, the Owner may remove any portion of the nonconforming Work and store any salvageable materials or equipment at the Contractor's expense. If the Contractor does not pay costs of such removal and storage within ten (10) days after written notice, the Owner may upon ten (10) additional days written notice sell such material or equipment at auction or at private sale and shall account for the proceeds thereof, after deducting costs and damages that should have been borne by the Contractor, including compensation for the Architect's and other professionals and representatives' services and expenses, made necessary thereby. If such proceeds of sale do not cover costs which the Contractor should have borne, the Contractor shall be invoiced for the deficiency or Owner may withhold such costs from payment pursuant to Section 9.5. If progress payments or retention then or thereafter due the Contractor are not sufficient to cover such amount, the Contractor shall pay the difference to the Owner.

12.2.4 COST OF CORRECTING THE WORK

The Contractor shall bear the cost of correcting destroyed or damaged construction of the Owner or separate contractors, whether completed or partially completed, caused by the Contractor's correction or removal of the nonconforming work.

12.2.5 **WARRANTY CORRECTIONS (INCLUDES REPLACEMENT)**

Pursuant to the warranty in Sections 3.5 and 9.7.1, if within one (1) year after the Completion of the Work or within a longer time period for an applicable special warranty or guarantee required by the Contract Documents, any of the Work does not comply with the Contract Documents, the Contractor shall correct it after receipt of Owner's written notice to do so, unless the Owner has previously waived in writing such right to demand correction. Contractor shall correct the Work promptly, and passage of the applicable warranty period shall not release Contractor from its obligation to correct the Work if Owner provided the written notice within the applicable warranty period. Contractor's obligation to correct the warranty item continues until the correction is made. After the correction is made to Owner's satisfaction, a new warranty period of the same length as the original warranty period shall run on the corrected work. The obligations under this paragraph 12.2.5 shall survive acceptance of the Work under the Contract and termination of the Contract.

12.2.6 **NO TIME LIMITATION**

Nothing contained in this Section 12.2 shall be construed to establish a period of limitation with respect to other obligations which the Contractor might have under the Contract Documents. Establishment of the time period of one (1) year as described in Sections 3.5, 9.7.1, and 12.2.5 relates only to the specific warranty obligation of the Contractor to correct the Work after the date of commencement of warranties, and has, for example, no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced, or to the time within which proceedings may be commenced to establish the Contractor's liability with respect to the Contractor's obligations other than specifically to correct the Work.

12.3 NONCONFORMING WORK AND WITHHOLDING THE VALUE OF IT

If it is found at any time before Completion of the Work that the Contractor has varied from the Contract Documents in materials, quality, form, finish, or in the amount or value of the materials or labor used, the Owner may, in addition to other remedies in the Contract Documents or under law and as allowed by law, accept the improper Work. The Owner may withhold from any amount due or to become due Contractor that sum of money equivalent to the difference in value between the Work performed and that called for by the Drawings and Specifications. The Owner shall determine such difference in value. No structural-related Work shall be accepted that is not in conformance with the Contract Documents.

ARTICLE 13

MISCELLANEOUS PROVISIONS

13.1 GOVERNING LAW

The Contract shall be governed by the law of the place where the Project is located.

13.2 SUCCESSORS AND ASSIGNS

The Owner and the Contractor respectively bind themselves, their partners, successors, assigns, and legal representatives to the other party hereto and to partners, successors, assigns, and legal representatives of such other party in respect to covenants, agreements, and obligations contained in the Contract Documents. Neither party to the Contract shall assign the Contract as a whole or in part without written consent of the other. If either party attempts to make such an assignment without such consent, that party shall nevertheless remain legally responsible for all obligations under the Contract.

13.3 WRITTEN NOTICE

In the absence of specific notice requirements in the Contract Documents, written notice shall be deemed to have been duly served if delivered in person to the individual, member of the firm or entity, or to an officer of the corporation for which it was intended, or if delivered at or sent by registered or certified or overnight mail to the last business address known to the party giving notice. Owner shall, at Contractor's cost, timely notify Contractor of Owner's receipt of any third party claims relating to the Contract pursuant to Public Contract Code section 9201.

13.4 RIGHTS AND REMEDIES

13.4.1 DUTIES AND OBLIGATIONS CUMULATIVE

Duties and obligations imposed by the Contract Documents and rights and remedies available thereunder shall be in addition to and not a limitation of duties, obligations, rights, and remedies otherwise imposed or available by law.

13.4.2 NO WAIVER

No action or failure to act by the Owner, Inspector of Record, Architect or any construction manager shall constitute a waiver of a right or duty afforded them under the Contract Documents, nor shall such action or failure to act constitute approval of or acquiescence in a breach thereunder, except as may be specifically agreed to in a written amendment to the Contract.

13.5 TESTS AND INSPECTIONS

13.5.1 COMPLIANCE

Tests, inspections, and approvals of portions of the Work required by the Contract Documents will comply with Title 24, and with all other laws, ordinances, rules, regulations, or orders of public authorities having jurisdiction.

13.5.2 INDEPENDENT TESTING LABORATORY

The Owner will select and pay an independent testing laboratory to conduct all tests and

inspections, including shipping or transportation costs or expenses (mileage and hours). Selection of the materials required to be tested shall be made by the laboratory or the Owner's representative and not by the Contractor. However, if Contractor requests that the Owner use a different testing laboratory and Owner chooses to approve such request, Contractor shall pay any additional shipping or transportation costs or expenses (mileage and hours). If Owner pays such additional costs or expenses instead of Contractor, then Owner may invoice such costs or expenses to the Contractor or withhold such costs or expenses from progress payments and/or retention.

13.5.3 ADVANCE NOTICE TO INSPECTOR OF RECORD

The Contractor shall notify the Inspector of Record a sufficient time in advance of its readiness for required observation or inspection so that the Inspector of Record may arrange for same. The Contractor shall notify the Inspector of Record a sufficient time in advance of the manufacture of material to be supplied under the Contract Documents which must, by terms of the Contract Documents, be tested in order that the Inspector of Record may arrange for the testing of the material at the source of supply.

13.5.4 TESTING OFF-SITE

Any material shipped by the Contractor from the source of supply, prior to having satisfactorily passed such testing and inspection or prior to the receipt of notice from said Inspector of Record that such testing and inspection will not be required, shall not be incorporated in the Work.

13.5.5 ADDITIONAL TESTING OR INSPECTION

If the Inspector of Record, the Architect, the Owner, or public authority having jurisdiction determines that portions of the Work require additional testing, inspection, or approval not included under section 13.5.1, the Inspector of Record will, upon written authorization from the Owner, make arrangements for such additional testing, inspection, or approval. The Owner shall bear such costs except as provided in section 13.5.6.

13.5.6 COSTS FOR RETESTING

If such procedures for testing, inspection, or approval under sections 13.5.1, 13.5.2 and 13.5.5 reveal failure of the portions of the Work to comply with requirements established by the Contract Documents, the Contractor shall bear all costs arising from such failure, including those of re-testing, re-inspection, or re-approval, including, but not limited to, compensation for the Architect's services and expenses. Any such costs shall be paid by the Owner, invoiced to the Contractor, and, among other remedies, can be withheld from progress payments and/or retention.

13.5.7 COSTS FOR PREMATURE TEST

In the event the Contractor requests any test or inspection for the Project and is not completely ready for the inspection, the Contractor shall be invoiced by the Owner for all costs and expenses

resulting from that testing or inspection, including, but not limited to, the Architect's fees and expenses, and the amount of the invoice can among other remedies, be withheld from progress payments and/or retention.

13.5.8 TESTS OR INSPECTIONS NOT TO DELAY WORK

Tests or inspections conducted pursuant to the Contract Documents shall be made promptly to avoid unreasonable delay in the Work.

13.6 [INTENTIONALLY LEFT BLANK]

13.7 TRENCH EXCAVATION

13.7.1 TRENCHES GREATER THAN FIVE FEET

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

13.7.2 EXCAVATION SAFETY

If such plan varies from the Shoring System Standards established by the Construction Safety Orders, the plan shall be prepared by a registered civil or structural engineer, but in no case shall such plan be less effective than that required by the Construction Safety Orders. No excavation of such trench or trenches shall be commenced until said plan has been accepted by the Owner or by the person to whom authority to accept has been delegated by the Owner.

13.7.3 NO TORT LIABILITY OF OWNER

Pursuant to Labor Code section 6705, nothing in this Article shall impose tort liability upon the Owner or any of its employees.

13.7.4 NO EXCAVATION WITHOUT PERMITS

The Contractor shall not commence any excavation work until it has secured all necessary permits including the required CAL OSHA excavation/shoring permit. Any permits shall be prominently displayed on the Site prior to the commencement of any excavation.

13.8 WAGE RATES

13.8.1 WAGE RATES

Pursuant to the provisions of Article 2 (commencing at § 1770), Chapter 1, Part 7, Division 2, of the Labor Code, the governing board of the Owner has obtained the general prevailing rate of per

diem wages and the general prevailing rate for holiday and overtime work in the locality in which this public work is to be performed for each craft, classification, or type of worker needed for this Project from the Director of Industrial Relations ("Director"). These rates are on file with the Clerk of the Owner's Governing Board, and copies will be made available to any interested party on request. The Contractor shall post a copy of such wage rates at the Site.

13.8.2 HOLIDAY AND OVERTIME PAY

Holiday and overtime work, when permitted by law, shall be paid for at a rate of at least one and one-half (1½) times the above specified rate of per diem wages, unless otherwise specified. Holidays shall be defined in the Collective Bargaining Agreement applicable to each particular craft, classification, or type of worker employed.

13.8.3 WAGE RATES NOT AFFECTED BY SUBCONTRACTS

The Contractor shall pay and shall cause to be paid each worker engaged in the Work not less than the general prevailing rate of per diem wages determined by the Director, regardless of any contractual relationship which may be alleged to exist between the Contractor or any Subcontractor and such workers.

13.8.4 CHANGE IN PREVAILING WAGE DURING BID OR CONSTRUCTION

If during the period this bid is required to remain open, the Director of Industrial Relations determines that there has been a change in any prevailing rate of per diem wages in the locality in which this public work is to be performed, such change shall not alter the wage rates discussed in the Notice to Bidders or the Contract subsequently awarded.

13.8.5 FORFEITURE AND PAYMENTS

Pursuant to Labor Code section 1775, the Contractor and any subcontractor under the Contractor shall as a penalty to the Owner, forfeit not more than two hundred dollars ($200.00) for each calendar day, or portion thereof, for each worker paid less than the prevailing rate of per diem wages, determined by the Director, for such craft or classification in which such worker is employed for any public work done under the Agreement by the Contractor or by any Subcontractor under it. Minimum penalties shall apply, as also provided in Civil Code section 1775. The amount of the penalty shall be determined by the Labor Commissioner and shall be based on both of the following: (1) whether the failure of the contractor or subcontractor to pay the correct rate of per diem wages was a good faith mistake and, if so, the error was promptly and voluntarily corrected upon being brought to the attention of the contractor or subcontractor; and (2) whether the contractor or subcontractor has a prior record of failing to meet its prevailing wage obligations. The difference between such prevailing rate of per diem wage and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the prevailing rate of per diem wage shall be paid to each work by the Contractor or subcontractor.

13.8.6 MINIMUM WAGE RATES

Any worker employed to perform Work, which Work is not covered by any craft or classification listed in the general prevailing rate of per diem wages determined by the Director, shall be paid not less than the minimum rate of wages specified therein for the craft or classification which most nearly corresponds to the Work to be performed by them, and such minimum wage rate shall be retroactive to time of initial employment of such person in such craft or classification.

13.8.7 PER DIEM WAGES

Pursuant to Labor Code section 1773.1, per diem wages includes employer payments for health and welfare, pension, and vacation pay.

13.8.8 POSTING OF WAGE RATES AND OTHER REQUIRED JOB SITE NOTICES

The Contractor shall post at appropriate conspicuous points on the Site, a schedule showing all determined minimum wage rates and all authorized deductions, if any, from unpaid wages actually earned and all other required job site notices as prescribed by regulation.

13.9 RECORD OF WAGES PAID: INSPECTION

13.9.1 APPLICATION OF LABOR CODE

Pursuant to section 1776 of the Labor Code:

(a) Each Contractor and subcontractor shall keep accurate payroll records, showing the name, address, social security number, work classification, and straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by him or her in connection with the public work. Each payroll record shall contain or be verified by a written declaration that is made under penalty of perjury, stating both of the following:

(1) The information contained in the payroll record is true and correct.

(2) The employer has complied with the requirements of sections 1771, 1811 and 1815 for any work performed by his or her employees on the public works project.

(b) The payroll records enumerated under subdivision (a) shall be certified and shall be available for inspection at all reasonable hours at the principal office of the Contractor on the following basis:

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

(2) A certified copy of all payroll records enumerated in subdivision (a) shall be made available for inspection or furnished upon request to a representative of the Owner and the Division of Labor Standards Enforcement of the Department of Industrial Relations ("DIR") and as may be required by the Labor Commissioner under Labor Code section 1771.4. The Contractor and each subcontractor shall furnish a certified copy of all payroll records directly to the Labor Commissioner monthly or more frequently, if so specified in the Agreement and in a format the Labor Commissioner prescribes.

(3) A certified copy of all payroll records enumerated in subdivision (a) shall be made available upon request by the public for inspection or for copies thereof. However, a request by the public shall be made through either the body awarding the contract or the Division of Labor Standards Enforcement of the DIR. If the requested payroll records have not been provided pursuant to paragraph (2), the requesting party shall, prior to being provided the records, reimburse the costs of the preparation by the contractor, subcontractors, and the entity through which the request was made. The public may not be given access to such records at the principal office of the Contractor.

(c) Unless required as of January 1, 2015, to be furnished directly to the Labor Commissioner under Labor Code section 1771.4(a)(3), the certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement of the DIR or shall contain the same information as the forms provided by the division. The payroll records may consist of printouts of payroll data that are maintained as computer records, if the printouts contain the same information as the forms provided by the division and the printouts are verified in the manner specified in (a) above.

(d) A Contractor or subcontractor shall file a certified copy of the records enumerated in subdivision (a) with the entity that requested such records within 10 days after receipt of a written request.

(e) Except as provided in subdivision (f), any copy of records made available for inspection as copies and furnished upon request to the public or any public agency by the awarding body or the Division of Labor Standards Enforcement of the DIR shall be marked or obliterated to prevent disclosure of an individual's name, address and social security number. The name and address of the Contractor awarded the Contract or the subcontractor performing the Contract shall not be marked or obliterated. Any copy of records made available for inspection by, or furnished to, a multiemployer Taft-Hartley trust fund (29 U.S.C. Sec. 186(c)(5) that requests the records for the purposes of allocating contributions to participants shall be marked or obliterated only to prevent disclosure of an individual's full social security number, but shall provide the last four digits of the social security number. Any copy of records made available for inspection by, or furnished to, a joint labor-management committee established pursuant to the federal Labor Management Cooperation Act of 1978 (29 U.S.C. Sec. 175a) shall be marked or obliterated only to prevent disclosure of an individual's social security number.

(f) Notwithstanding any other provision of law, agencies that are included in the Joint Enforcement Strike Force on the Underground Economy established pursuant to Section 329 of the Unemployment Insurance Code and other law enforcement agencies investigating violations of law shall, upon request, be provided nonredacted copies of certified payroll records. Any copies of records or certified payroll made available for inspection and furnished upon request to the public by an agency included in the Joint Enforcement Strike Force on the Underground Economy or to a law enforcement agency investigating a violation of law shall be marked or redacted to prevent disclosure of an individual's name, address, and social security number. An employer shall not be liable for damages in a civil action for any reasonable act or omission taken in good faith in compliance with this subsection.

(g) The contractor shall inform the body awarding the contract of the location of the records enumerated under subdivision (a), including the street address, city and county, and shall, within five working days, provide a notice of a change of location and address.

(h) The contractor or subcontractor has 10 days in which to comply subsequent to receipt of written notice requesting the records enumerated in subdivision (a). In the event that the Contractor or subcontractor fails to comply within the 10-day period, he or she shall, as a penalty to the state or political subdivision on whose behalf the contract is made or awarded, forfeit one hundred dollars ($100.00) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Labor Standards Enforcement of the DIR, these penalties shall be withheld from progress payments then due. A contractor is not subject to a penalty assessment pursuant to this section due to the failure of the subcontractor to comply with this section.

13.10 APPRENTICES

13.10.1 APPRENTICE WAGES AND DEFINITIONS

All apprentices employed by the Contractor to perform services under the Contract shall be paid the standard wage paid to apprentices under the regulations of the craft or trade at which he or she is employed, and shall be employed only at the work of the craft or trade to which he or she is registered. Only apprentices, as defined in section 3077 of the Labor Code, who are in training under apprenticeship standards and written apprenticeship agreements under Chapter 4 (commencing with § 3070) of Division 3, are eligible to be employed under this Contract. The employment and training of each apprentice shall be in accordance with the apprenticeship standards and apprentice agreements under which he or she is training.

13.10.2 APPRENTICE LABOR POOL

When the Contractor to whom the Contract is awarded by the Owner, or any Subcontractor under him or her, in performing any of the Work under the Contract or subcontract, employs workers in any apprenticeable craft or trade, the Contractor and Subcontractor shall apply to the joint

apprenticeship committee administering the apprenticeship standards of the craft or trade in the area of the Site of the Project, for a certificate approving the Contractor or Subcontractor under the apprenticeship standards for the employment and training of apprentices in the area or industry affected. However, approval as established by the joint apprenticeship committee or committees shall be subject to the approval of the Administrator of Apprenticeship. The joint apprenticeship committee or committees, subsequent to approving the subject Contractor or Subcontractor, shall arrange for the dispatch of apprentices to the Contractor or Subcontractor in order to comply with this section. Every Contractor and Subcontractor shall submit the contract award information to the applicable joint apprenticeship committee which shall include an estimate of journeyman hours to be performed under the Contract, the number of apprentices to be employed, and the approximate dates the apprentices will be employed. There shall be an affirmative duty upon the joint apprenticeship committee or committees administering the apprenticeship standards of the crafts or trade in the area of the Site of the public work, to ensure equal employment and affirmative action and apprenticeship for women and minorities. Contractors or Subcontractors shall not be required to submit individual applications for approval to local joint apprenticeship committees provided they are already covered by the local apprenticeship standards. The ratio of work performed by apprentices to journeymen, who shall be employed in the craft or trade on the Project, may be the ratio stipulated in the apprenticeship standards under which the joint apprenticeship committee operates, but, except as otherwise provided in this section, in no case shall the ratio be less than one (1) hour of apprentice work for every five (5) hours of labor performed by a journeyman. However, the minimum ratio for the land surveyor classification shall not be less than one (1) apprentice for each five (5) journeymen.

13.10.3 JOURNEYMAN/APPRENTICE RATIO; COMPUTATION OF HOURS

Any ratio shall apply during any day or portion of a day when any journeyman, or the higher standard stipulated by the joint apprenticeship committee, is employed at the job Site and shall be computed on the basis of the hours worked during the day by journeymen so employed, except for the land surveyor classification. The Contractor shall employ apprentices for the number of hours computed as above before the end of the Contract. However, the Contractor shall endeavor, to the greatest extent possible, to employ apprentices during the same time period that the journeymen in the same craft or trade are employed at the job Site. Where an hourly apprenticeship ratio is not feasible for a particular craft or trade, the Division of Apprenticeship Standards, upon application of a joint apprenticeship committee, may order a minimum ratio of not less than one (1) apprentice for each five (5) journeymen in a craft or trade classification.

13.10.4 JOURNEYMAN/APPRENTICE RATIO

The Contractor or Subcontractor, if he or she is covered by this section upon the issuance of the approval certificate, or if he or she has been previously approved in the craft or trade, shall employ the number of apprentices or the ratio of apprentices to journeymen stipulated in the apprenticeship standards. Upon proper showing by the Contractor that he or she employs apprentices in the craft or trade in the state on all of his or her contracts on an annual average of not less than one (1) hour of apprentice work for every five (5) hours of labor performed by a journeyman, or in the land surveyor classification, one (1) apprentice for each five (5)

journeymen, the Division of Apprenticeship Standards may grant a certificate exempting the Contractor from the 1-to-5 hourly ratio as set forth in this section. This section shall not apply to contracts of general contractors or to contracts of specialty contractors not bidding for work through a general or prime contractor, when the contracts of general contractors or those specialty contractors involve less than Thirty Thousand Dollars ($30,000) or twenty (20) working days. Any work performed by a journeyman in excess of eight (8) hours per day or forty (40) hours per week, shall not be used to calculate the hourly ratio required by this section.

13.10.4.1 ***Apprenticeable Craft or Trade.*** "Apprenticeable craft or trade" as used in this Article means a craft or trade determined as an apprenticeable occupation in accordance with the rules and regulations prescribed by the California Apprenticeship Council. The joint apprenticeship committee shall have the discretion to grant a certificate, which shall be subject to the approval of the Administrator of Apprenticeship, exempting a Contractor from the 1-to-5 ratio set forth in this Article when it finds that any one of the following conditions is met:

A. Unemployment for the previous three-month period in the area exceeds an average of fifteen percent (15%).

B. The number of apprentices in training in such area exceeds a ratio of 1-to-5.

C. There is a showing that the apprenticeable craft or trade is replacing at least one-thirtieth (1/30) of its journeymen annually through the apprenticeship training, either on a statewide basis or on a local basis.

D. Assignment of an apprentice to any work performed under this contract would create a condition which would jeopardize his or her life or the life, safety, or property of fellow employees or the public at large or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyman.

13.10.5 **RATIO EXEMPTION**

When exemptions are granted to an organization which represents Contractors in a specific trade from the 1-to-5 ratio on a local or statewide basis, the member Contractors will not be required to submit individual applications for approval to local joint apprenticeship committees, if they are already covered by the local apprenticeship standards.

13.10.6 **APPRENTICE FUND**

A Contractor to whom the Contract is awarded or any Subcontractor under him or her, who, in performing any of the work under the Contract, employs journeymen or apprentices in any apprenticeable craft or trade and who is not contributing to a fund or funds to administer and conduct the apprenticeship program in any such craft or trade in the area of the Site of the Project, to which fund or funds other contractors in the area of the Site of the Project are contributing, shall contribute to the fund or funds in each craft or trade in which he or she employs journeymen or apprentices on the Project in the same amount or upon the same basis

and in the same manner as the other contractors do, but where the trust fund administrators are unable to accept the funds, contractors not signatory to the trust agreement shall pay a like amount to the California Apprenticeship Council. The Contractor or Subcontractor may add the amount of the contributions in computing his or her bid for the contract. The Division of Labor Standards Enforcement is authorized to enforce the payment of the contributions to the fund or funds as set forth in the Labor Code section 227.

13.10.7 PRIME CONTRACTOR COMPLIANCE

The responsibility of compliance with section 13.10 and section 1777.5 of the Labor Code for all apprenticeable occupations is with the Contractor.

13.10.8 DECISIONS OF JOINT APPRENTICESHIP COMMITTEE

All decisions of the joint apprenticeship committee under this section13.10 and Labor Code section 1777.5 are subject to Labor Code section 3081.

13.10.9 NO BIAS

It shall be unlawful for an employer or a labor union to refuse to accept otherwise qualified employees as registered apprentices on any public works on the grounds of race, religious creed, color, national origin, ancestry, sex, or age, except as provided in the Labor Code section 3077.

13.10.10 VIOLATION OF LABOR CODE

Pursuant to Labor Code sections 1777.1 and 1777.7, in the event a Contractor or Subcontractor fails to comply with the provisions of this section 13.10 and Labor Code section 1777.5, penalties shall apply, including among other things:

(a) The Labor Commissioner may deny to the contractor or subcontractor, and to its responsible officers, the right to bid on, or be awarded or perform work as a subcontractor on, any public works project for a period of up to one year for the first violation and for a period of up to three years for the second and subsequent violation. Each period of debarment shall run from the date the determination of noncompliance by the Labor Commissioner becomes a final order.

(b) A contractor or subcontractor who violates section 1777.5 shall forfeit as a civil penalty an amount not exceeding the sum of one hundred dollars ($100) for each full calendar day of noncompliance. Upon receipt of a determination that a civil penalty has been imposed, the awarding body shall enforce the penalty, which includes withholding the amount of the civil penalty from the contract progress payments or retention then due or to become due.

(c) In lieu of the penalty provided, the Labor Commissioner may for a first time violation and with the concurrence of an applicable apprenticeship program, order the contractor or subcontractor to provide apprentice employment equivalent to the work

hours that would have been provided for apprentices during the period of noncompliance.

(d) Any funds withheld by the awarding body pursuant to this section shall be deposited in the General Fund.

(e) The interpretation and enforcement of section 1777.5 and this section shall be in accordance with the regulations of the California Apprenticeship Council.

Pursuant to Public Contract Code section 6109, no contractor or subcontractor may bid on, be awarded, or perform work as a subcontractor on a public works project if ineligible to bid or work on, or be awarded, a public works project pursuant to section 1777.1 of the Labor Code.

13.11 ASSIGNMENT OF ANTITRUST CLAIMS

13.11.1 APPLICATION

Pursuant to Public Contract Code section 7103.5 and Government Code section 4552, in entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the Contractor or Subcontractor offers and agrees to assign to the Owner all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act, (15 U.S.C. § 15) or under the Cartwright Act (Chapter 2 [commencing with § 16700] of Part 2 of Division 7 of the Bus. & Prof. Code), arising from the purchase of goods, services, or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time the awarding body tenders Final Progress Payment to the Contractor, without further acknowledgment by the parties. If the Owner receives, either through judgment or settlement, a monetary recovery for a cause of action assigned under Chapter 11 (commencing with § 4550) of Division 5 of Title 1 of the Government Code, the assignor may, upon demand, recover from the Owner any portion of the recovery, including treble damages, attributable to overcharges that were paid by the assignor but were not paid by the Owner as part of the bid price, less the expenses incurred in obtaining that portion of the recovery.

13.11.2 ASSIGNMENT OF CLAIM

Upon demand in writing by the assignor, the Owner shall, within one (1) year from such demand, reassign the cause of action assigned pursuant to this Article if the assignor has been or may have been injured by the violation of law for which the cause of action arose and the Owner has not been injured thereby or the Owner declines to file a court action for the cause of action.

13.12 AUDIT

Pursuant to and in accordance with the provisions of Government Code section 8546.7, or any amendments thereto, all books, records, and files of the Owner, the Contractor, or any Subcontractor connected with the performance of this Contract involving the expenditure of state funds in excess of Ten Thousand Dollars ($10,000.00), including, but not limited to, the

administration thereof, shall be subject to the examination and audit of the Office of the Auditor General of the State of California for a period of three (3) years after release of all retention under this Contract. Contractor shall preserve and cause to be preserved such books, records, and files for the audit period. During the progress of the Work and for three (3) years after release of all retention under the Contract, Owner shall also have the right to an audit, and Contractor must cooperate by producing all information requested within seven (7) days.

13.13 STORM WATER DISCHARGE PERMIT

If applicable, the Contractor shall file a Notice of Intent to comply with the terms of the general permit to discharge storm water associated with construction activity (WQ Order No. 920-08-DWQ). The Notice of Intent must be sent to the following address along with the appropriate payment (warrant to be furnished by the Owner upon request by the Contractor, allow warrant processing time.): California State Water Resources Control Board, Division of Water Quality, Storm Water Permit Unit, P.O. Box 1977, Sacramento, CA 95812-1977. The Contractor may also call the State Water Board's Construction Activity Storm Water Hotline at (916) 657-1146. The Notice of Intent shall be filed prior to the start of any construction activity.

ARTICLE 14

TERMINATION OR SUSPENSION OF THE CONTRACT

14.1 TERMINATION BY THE CONTRACTOR FOR CAUSE

Contractor may not terminate for convenience. Contractor may only terminate for cause if the Work is stopped by others for a period of one hundred eighty (180) consecutive days through no act or fault of the Contractor, a Subcontractor of any tier, their agents or employees, or any other persons performing portions of the Work for whom the Contractor is contractually responsible, **and** the Work was stopped by others for one of the following reasons: (A) Issuance of an order of a court or other public authority having jurisdiction which requires Owner to stop all Work; or (B) an act of government, such as a declaration of national emergency, making material unavailable which requires Owner to stop all Work. If such grounds exist, the Contractor may serve written notice of such grounds on Owner and demand a meet-and-confer conference to negotiate a resolution in good faith within twenty (20) days of Owner's receipt of such notice. If such conference does not lead to resolution and the grounds for termination still exist, Contractor may terminate the Contract and recover from the Owner payment for Work executed and for reasonable verified costs with respect to materials, equipment, tools, construction equipment, and machinery, including reasonable overhead, profit, and damages for the Work executed, but excluding overhead (field and home office) and profit for (i) Work not performed and (ii) the period of time that the Work was stopped.

14.2 TERMINATION BY THE OWNER FOR CAUSE

14.2.1 GROUNDS FOR TERMINATION

The Owner may terminate the Contract if the Contractor:

A. Refuses or fails to supply enough properly skilled workers or proper materials, or refuses or fails to take steps to adequately prosecute the Work to meet a Milestone Deadline or to Complete within the Contract Time;

B. Fails to make payment to Subcontractors for materials or labor in accordance with Public Contract Code section 10262 or Business and Professions Code section 7108.5, as applicable;

C. Violates Labor Code section 1771.1(a), subject to the provisions of Labor Code section 1771.1(f);

D. Disregards laws, ordinances, rules, regulations, or orders of a public authority having jurisdiction; or

E. Otherwise is in breach of the Contract Documents.

14.2.2 NOTIFICATION OF TERMINATION

When any of the above reasons exist, the Owner may, without prejudice to any other rights or remedies of the Owner, give notice to Contractor of the grounds for termination and demand cure of the grounds within seven (7) days (a "Notice of Intent to Terminate"). If Contractor fails to **either** (a) completely cure the grounds for termination within seven (7) days **or** (b) reasonably commence cure of the grounds for termination within seven (7) days and reasonably continue to cure the grounds for termination until such cure is complete, then Owner may terminate the Contract effective immediately upon service of written Notice of Termination and may, subject to any prior rights of Contractor's surety on the performance bond ("Surety"):

A. Take possession of the Site and of all material, equipment, tools, and construction equipment and machinery thereon owned by the Contractor;

B. Accept assignment of subcontracts pursuant to section 5.4; and

C. Complete the Work by whatever reasonable method the Owner may deem expedient.

14.2.3 PAYMENTS WITHHELD

If the Owner terminates the Contract for one of the reasons stated in section 14.2.1, the Contractor shall not be entitled to receive further payment until the Work is Complete.

14.2.4 **PAYMENTS UPON COMPLETION**

If the unpaid balance of the Contract Sum exceeds costs of Completing the Work, including compensation for professional services and expenses made necessary thereby, such excess shall be paid to the Contractor. If such costs exceed the unpaid balance, the Contractor shall pay the difference to the Owner. This payment obligation shall survive Completion of the Work.

14.2.5 **INCLUSION OF TERMINATION FOR CONVENIENCE**

Any purported termination by Owner for cause under this section 14.2, which is revoked or determined to not have been for cause, shall be deemed to have been a termination for convenience effective as of the same date as the purported termination for cause.

14.3 SUSPENSION OR TERMINATION BY THE OWNER FOR CONVENIENCE

14.3.1 **SUSPENSION BY OWNER**

The Owner may, without cause, order the Contractor in writing to suspend, delay, or interrupt the Work in whole or in part for such period of time as the Owner may determine.

14.3.1.1 ***Adjustments.*** An adjustment shall be made for increases in the cost of performance of the Contract, including profit on the increased cost of performance caused by suspension, delay, or interruption. No adjustment shall be made to the extent:

A. That performance is, was or would have been so suspended, delayed, or interrupted by another cause for which the Contractor is responsible; or

B. That an equitable adjustment is made or denied under another provision of this Contract.

14.3.1.2 ***Adjustments for Fixed Cost.*** Adjustments made in the cost of performance may have a mutually agreed fixed or percentage fee.

14.3.2 **TERMINATION BY THE OWNER FOR CONVENIENCE**

14.3.2.1 The Owner may, at any time, terminate the Contract for the Owner's convenience and without cause.

14.3.2.2 Upon receipt of written notice from the Owner of such termination for the Owner's convenience, the Contractor shall:

1. Cease operations as directed by the Owner in the notice;

2. Take actions necessary, or that the Owner may direct, for the protection and preservation of the Work; and

3. Except for Work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.

14.3.2.3 In case of such termination for the Owner's convenience, the Contractor shall be entitled to receive payment for Work executed, and costs incurred by reason of such termination.

14.4 NOT A WAIVER

Any suspension or termination by Owner for convenience or cause under this Article 14 shall not act as a waiver of any claims by Owner against Contractor or others for damages based on breach of contract, negligence or other grounds.

14.5 MUTUAL TERMINATION FOR CONVENIENCE

The Contractor and the Owner may mutually agree in writing to terminate this Contract for convenience. The Contractor shall receive payment for all Work performed to the date of termination in accordance with the provisions of Article 9.

14.6 EARLY TERMINATION

Notwithstanding any provision herein to the contrary, if for any fiscal year of this Contract the governing body of the Owner fails to appropriate or allocate funds for future periodic payments under the Contract after exercising reasonable efforts to do so, the Owner may upon thirty (30) days' notice, order Work on the Project to cease. The Owner will remain obligated to pay for the Work already performed but shall not be obligated to pay the balance remaining unpaid beyond the fiscal period for which funds have been appropriated or allocated and for which the Work has not been done.

Merced City School District
Approved Contractor List

Updated 04/01/2025 12:09 AM

Company	Address	Contact	Phone #	Email	License Classes	Expires
American Elite Electric Inc.	P.O. box 2019, Turlock, CA, 95381	Glen Pennycuff	209-479-2750	gp@americanee.com	C-10 (Electrical Contractor)	03/12/2026
American Modular Systems, Inc	787 Spreckels Ave., Manteca, CA, 95336	Marcus Raposas	209-825-1921	marcus.r@americanmodular.com	B (General Building Contractor)	07/11/2025
AMG & Associates, Inc.	26535 Summit Circle, Santa Clarita, CA 91350	Albert M. Giacomazzi	661-251-7401	estimating@amgassociatesinc.com	B (General Building Contractor), A (General Engineering Contractor), HAZ (Hazardous Substance Removal Certification), ASB (Asbestos Certification)	11/01/2025
Ardent General, Inc.	2960 N. Burl Ave., Fresno, CA, 93727	James Myers	559-492-3969	estimating@ardentgeneral.com	A (General Engineering Contractor), B (General Building Contractor)	10/30/2025
BDM Inc.	240 North 12th Ave Box 306 Hanford, CA 93230	Lyle Bolte	559-554-5848	admin@bdminc.net	B (General Building Contractor), C-20 (Warm-Air Heating, Ventilating and Air-Conditioning Contractor)	03/12/2026
Bestco Electric, Inc.	2160 Wardrobe Ave., Merced, CA, 95341	Shane Sayers	209-723-2061	connie@bestelectric.us	C-10 (Electrical Contractor)	06/12/2025
BMY Construction Group, Inc.	5485 E. Olive Avenue, Fresno, CA, 93727	Eric Bower	559-243-4200	estimating@bmyinc.com	A (General Engineering Contractor), B (General Building Contractor), C-8 (Concrete Contractor)	10/30/2025
BOBO CONSTRUCTION INC	9722 Kent Street, Elk Grove, CA, 95624	Chris Betzler	916-383-7777	cbobo@boboconstructioninc.com	A (General Engineering Contractor), B (General Building Contractor), C-8 (Concrete Contractor), C-20 (Warm-Air Heating, Ventilating and Air-Conditioning Contractor), C-36 (Plumbing Contractor), C-43 (Sheet Metal Contractor), C-61 (Limited Specialty)	03/25/2026
Caliber Contracting Services, Inc	5191 E Dakota Ave, Fresno, CA, 93727	Christina Watson	559-330-6300	christina@calibercontracting.net	A (General Engineering Contractor), B (General Building Contractor), C-2 (Insulation and Acoustical Contractor), C-39 (Roofing Contractor), C-43 (Sheet Metal Contractor), C-33 (Painting and Decorating Contractor)	06/28/2025

Company	Address	Contact	Phone #	Email	License Classes	Expires
CENCAL Services, InC.	3299 S. CEDAR AVENUE, FRESNO, CA, 93725	Shannon Burrough	559-291-3366	shannon@cencaldemo.com	A (General Engineering Contractor), B (General Building Contractor), C-8 (Concrete Contractor), C-21 (Building Moving/Demolition Contractor), C-22 (Asbestos Abatement Contractor), HAZ (Hazardous Substance Removal Certification), ASB (Asbestos Certification)	05/07/2025
Class Leasing LLC	1651 S Juanita St, San Jacinto, CA, 92543	Tim Nicholas	951-238-7299	tim@classleasing.net	B (General Building Contractor)	06/24/2025
Collins Electrical Company Inc.	3412 Metro Drive, Stockton, CA, 95213	Araceli Torres	209-466-3691	atorres@collinselectric.com	A (General Engineering Contractor), B (General Building Contractor), C-10 (Electrical Contractor), C-31 (Construction Zone Traffic Control Contractor)	04/15/2025
Commercial Construction Company of Merced, Inc. DBA Commercial Construction Company	1425 Motel Drive, Merced, CA, 95340	William George	209-384-3943	ccc@cccofmerced.com	B (General Building Contractor)	10/10/2025
Dynamic Electrical Contracting & Controls, Inc.	2150 Wardrobe Ave, Merced CA 95341	Patrick Anderson	209-257-3267 x1	patrick@dynamicelectrical.org	C-10 (Electrical Contractor)	10/07/2025
F&H Construction	1115 E. Lockeford Street, Lodi, CA 95240	Madison Horton	209-931-3738	mhorton@f-hconst.com	A (General Engineering Contractor), B (General Building Contractor)	04/15/2025
Global Modular Inc	1120 Commerce Ave, 25, Atwater, CA, 95301	Adam DeBard	209-676-8029	adebard@gdvi.net	B (General Building Contractor)	06/24/2025
Graham Prewett, Inc.	2773 N. Business Park Avenue, Suite 102, Fresno, CA, 93727	Meghan Sanders	559-291-3741	meghan@gpiroofing.com	A (General Engineering Contractor), B (General Building Contractor), C-22 (Asbestos Abatement Contractor), C-33 (Painting and Decorating Contractor), C-39 (Roofing Contractor), C-43 (Sheet Metal Contractor)	10/30/2025
Harris Builders Inc.	18736 Bloss Ave, Hilmar, CA, 95324	Patti Harris	209-664-9486	patti@harrisbuildersinc.com	A (General Engineering Contractor), B (General Building Contractor), C-8 (Concrete Contractor)	04/15/2025
HPS Mechanical, Inc. dba HPS Plumbing Services	3100 E. Belle Terrace Bakersifeld, CA 93307	Alma Martinez	661-397-2121 x8209	planroom@hpsmechanical.com	A (General Engineering Contractor), B (General Building Contractor), C-4 (Boiler, Hot Water Heating and Steam Fitting Contractor), C-2 (Insulation and Acoustical Contractor), C-10 (Electrical Contractor), C-16 (Fire Protection Contractor), C-20 (Warm-Air Heating, Ventilating and Air-Conditioning Contractor), C-34 (Pipeline Contractor), C-36 (Plumbing Contractor), C-42 (Sanitation System Contractor), C-43 (Sheet Metal Contractor), C-46 (Solar Contractor), HAZ (Hazardous Substance Removal Certification)	01/28/2026

Company	Address	Contact	Phone #	Email	License Classes	Expires
JPB Designs Inc.	5650 Main Ave Suite 2 , Orangevale, CA, 95662	Artyom Ponomarenko	916-549-6259	art.jpbdesigns@gmail.com	B (General Building Contractor), C-33 (Painting and Decorating Contractor), A (General Engineering Contractor)	07/11/2025
Kings County Air Conditioning, Inc.	14670 Hanford-Armona Road, Hanford, CA, 93230	Mark Mathis	559-584-4383	mark@kcairinc.com	C-20 (Warm-Air Heating, Ventilating and Air-Conditioning Contractor), C-43 (Sheet Metal Contractor), B (General Building Contractor)	01/28/2026
Mark Wilson Construction Inc.	5799 E Clinton Ave, Fresno, CA, 93727	Dawnette Rivas	559-348-0421	dawnette@markwilsonconstruction.com	B (General Building Contractor)	01/28/2026
MARKO CONSTRUCTION GROUP INC	3675 E JENSEN AVE, FRESNO, CA, 93725	PAUL GONG	559-222-7888	pkgong@markoconstruction.com	A (General Engineering Contractor), B (General Building Contractor), C-39 (Roofing Contractor), C-23 (Ornamental Metal Contractor)	01/28/2026
Meehleis Modular Buildings, Inc.	1303 E. Lodi Avenue, Lodi, CA, 95240	Lannete Cunha	209-334-4637	Cadmin@meehleis.com	B (General Building Contractor)	04/15/2025
Menghetti Construction, Inc.	PO Box 577516, Modesto, CA, 95357	Charles Menghetti	209-524-2465	charlie@menghetti.com	A (General Engineering Contractor), B (General Building Contractor)	03/25/2026
Meyers Constructors Inc	7281 N Palm Bluffs Ave, Fresno, CA, 93711	Leann Sehon	559-473-0014	leann@meyersconstructors.com	B (General Building Contractor), C-51 (Structural Steel Contractor)	04/15/2025
Modern Air Mechanical	2200 Cooper Ave, Merced CA 95348	Lisa Reyes	209-722-1815	est@modernair.biz	C-43 (Sheet Metal Contractor), C-20 (Warm-Air Heating, Ventilating and Air-Conditioning Contractor), C-38 (Refrigeration Contractor)	10/30/2025
Presidential Fire Protection, Inc.	4517 Harlin Drive, Sacramento, CA, 95826	Fabian Robles	916-379-9199	Fabian@presidentialfireprotection.com	C-16 (Fire Protection Contractor)	10/30/2025
Silver Creek Modular LLC.	2830 Barrett Ave., Perris, CA, 92571	Joe Nguyen	951-943-5393	sales@silvercreekmodular.com	B (General Building Contractor)	06/24/2025
Taylor Backhoe Service Inc. dba TBS Contractors	1605 E. Gerard Avenue, Merced, CA, 95341	Krystal Zamora	209-384-8424	krystal@taylorbackhoe.com	A (General Engineering Contractor), B (General Building Contractor), C-21 (Building Moving/Demolition Contractor)	03/31/2026
Valley Unique Electric, Inc. dba Valley Unique Electric	75 Park Creek Dr, Clovis, CA, 93611	Mark Worthington	559-237-4795	mark@valleyunique.com	C-10 (Electrical Contractor)	10/30/2025
Yosemite Fire & Security	PO Box 1493, North Fork, CA, 93643	Ryan Hansen	559-760-4423	rhansen@yosemitefire.com	C-10 (Electrical Contractor), C-16 (Fire Protection Contractor)	03/26/2026

BID FORM

Merced, California

Merced City School District
Facilities Department
2105 Wardrobe Avenue
Merced, CA 95341

Dear Board Members:

The undersigned doing business under the firm name of:

_____

hereby propose and agree to enter into a Contract, to furnish any and all labor, materials, applicable taxes, equipment and services for the completion of Work described hereinafter and in the Contract Documents:

Franklin Elementary School
Modernization Phase 3
Site Improvements & Utilities for (2) P.C. Modular Classrooms Wings, (2) Shade Structures, & Play Equipment
Bid # 2024-5
2736 Franklin Road
Merced, CA 95340

prepared by:

TETER, LLP
7535 N Palm Ave, STE 201
Fresno, CA 93711
(559) 437-0887

_____ Dollars

($_____)

Bidder acknowledges and agrees that the Base Bid accounts for all items in contract documents with exception to Additive Alternate Bid Items as follows.

Additive Alternate No. 1:
Alternate description and definitions as described in Section 012300

_____ Dollars

($_____)

Additive Alternate No. 2:
Alternate description and definitions as described in Section 012300

_____ Dollars

($_____)

Additive Alternate No. 3:
Alternate description and definitions as described in Section 012300

_____ Dollars

($_____)

Additive Alternate No. 4:
Alternate description and definitions as described in Section 012300

_____ Dollars

($_____)

Additive Alternate No. 5:
Alternate description and definitions as described in Section 012300

_____ Dollars

($_____)

If written notice of the Award of Contract is mailed, faxed, or delivered to the undersigned at any time before this bid is withdrawn, the undersigned shall, within ten (10) days after the date of such mailing, faxing, or delivering of such notice, execute and deliver an agreement in the form of agreement present in these Contract Documents and give Performance and Payment Bonds in accordance with the specifications and bid as accepted.

The undersigned hereby designates as the office to which such Notice of Award of Contract may be mailed, faxed, or delivered:

_____

_____

Our Public Liability and Property Damage Insurance is placed with:

_____

_____

Our Workers' Compensation Insurance is placed with:

_____

_____

Circular letters, bulletins, addenda, etc., bound with the specifications or issued during the time of bidding are included in the bid, and, in completing the Contract, they are to become a part thereof.

The receipt of the following addenda to the specifications is acknowledged:

Addendum No. _____ Date _____ Addendum No. _____ Date _____

Addendum No. _____ Date _____ Addendum No. _____ Date _____

Addendum No. _____ Date _____ Addendum No. _____ Date _____

This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.

A bidder shall not submit a bid unless the bidder's California contractor's license number appears clearly on the bid, the license expiration date and class are stated, and the bid contains a statement that the representations made therein are made under penalty of perjury. Any bid submitted by a contractor who is not licensed pursuant to Business and Professions Code section 7028.15 shall be considered nonresponsive and shall be rejected. Any bid not containing the above information may be considered nonresponsive and may be rejected.

NOTE: Each bid must give the full business address of the bidder and be signed by bidder with bidder's usual signature. Bids by partnerships must furnish the full name of all partners and must be signed in the partnership name by a general partner with authority to bind the partnership in such matters, followed by the signature and designation of the person signing. The name of the person signing shall also be typed or printed below the signature. Bids by corporations must be signed with the legal name of the corporation, followed by the name of the state of incorporation and by the signature and designation of the chairman of the board, president or any vice president, and then followed by a second signature by the secretary, assistant secretary, the chief financial officer or assistant treasurer. All persons signing must be authorized to bind the corporation in the matter. The name of each person signing shall also be typed or printed below the signature. Satisfactory evidence of the authority of the officer signing on behalf of a corporation shall be furnished.

The undersigned declares under penalty of perjury under the laws of the State of California that the representations made in this bid are true and correct.

Print or Type Name : _____

Title: _____

Name of Company as Licensed: _____

Business Address: _____

_____

Telephone & Fax Number: _____

DIR Registration Number & Classification: _____

Email Address: _____

California Contractor License No.: _____

Class and Expiration Date: _____

State of Incorporation, if Applicable: _____

( ) Evidence of authority to bind corporation is attached.

Dated: _____, _____

Signed: _____

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

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MERCED CITY SCHOOL DISTRICT

FRANKLIN ELEMENTARY SCHOOL MODERNIZATION (PHASE III)

PHASE 3A - MODULAR CLASSROOMS

Franklin Elementary School

DSA FILE NO.: 24 - 35 | P.T.N.: 65771-138 | DSA APPL. NO.: 02-122839

PROJECT INFORMATION:

PROJECT ADDRESS:

FRANKLIN ELEMENTARY SCHOOL
2736 FRANKLIN RD.
MERCED, CA. 95348

NOTE:
THIS PROJECT (A#02-122839) SHALL NOT BE CERTIFIED UNTIL THE FOLLOWING PROJECTS ARE CERTIFIED:
-A# 02-120780
-A# 02-121019

PROJECT DESCRIPTION:

THIS MODERNIZATION PROJECT CONSISTS OF THE FOLLOWING:

EXISTING -

- EXTERIOR AND INTERIOR FINISH IMPROVEMENTS TO EXISTING RELOCATABLE CLASSROOMS P29, P30, P35, P36, P37, & P38
  DEDUCTIVE ALTERNATE BID NO. 2.

NEW -

- CONSTRUCTION OF (1) 7,706 SF. PERMANENT MODULAR BUILDING 700.
  (5) KINDERGARTEN CLASSROOMS AND STUDENT RESTROOMS.
- CONSTRUCTION OF (1) 6,273 SF. PERMANENT MODULAR BUILDING 800.
  (4) KINDERGARTEN CLASSROOMS AND STAFF/STUDENT RESTROOMS.
- CONSTRUCTION OF (1) 40'x44' PC. APPROVED SHADE STRUCTURE WITH SOLAR.
  PC #04-122188
  OWNER FURNISHED CONTRACTOR INSTALLED
- CONSTRUCTION OF (1) 16'x35' PC. APPROVED ENTRANCE SHADE STRUCTURE.
  PC #04-123290
  OWNER FURNISHED CONTRACTOR INSTALLED
  DEDUCTIVE ALTERNATE BID NO. 3.
- SITE UPGRADES TO INCLUDE THE FOLLOWING:
  TYPICAL SITE IMPROVEMENTS, FENCING, CONCRETE FLATWORK.
  UTILITIES
  FREE STANDING DRINKING FOUNTAIN.
  PLAY EQUIPMENT - OWNER FURNISHED CONTRACTOR INSTALLED.
  FLAGPOLE - DEDUCTIVE ALTERNATE BID NO. 4.
  MARQUEE SIGN - OFCI - DEDUCTIVE ALTERNATE BID NO. 5.

ADDENDUM NO. 2

ADDITIVE ALTERNATE BID NO. 1

A SEPARATE BID LINE ITEM SHALL BE PROVIDED FOR THE SCOPE OF WORK IDENTIFIED IN THESE DRAWINGS WITH THE DEDUCTION OF THE CONCRETE PIT-SET FOUNDATION STEM WALL W/ 2" CONCRETE SLURRY. FOUNDATION VENTS, CRAWL SPACE ACCESS & CAST IRON GRILLES FROM THE SITE WORK CONTRACT AND ADDED TO THE MODULAR BUILDING CONTRACT.

ADDITIVE ALTERNATE BID NO. 2

A SEPARATE BID LINE ITEM SHALL BE PROVIDED FOR THE SCOPE OF WORK IDENTIFIED IN THESE DRAWINGS WITH THE DEDUCTION OF THE INTERIOR MODERNIZATION OF EXISTING P29, P30, P35, P36, P37 AND P38 PORTABLE CLASSROOMS.

ADDITIVE ALTERNATE BID NO. 3

A SEPARATE BID LINE ITEM SHALL BE PROVIDED FOR THE SCOPE OF WORK IDENTIFIED IN THESE DRAWINGS WITH THE DEDUCTION OF THE 16'x35' PC. APPROVED ENTRANCE CANOPY.

ADDITIVE ALTERNATE BID NO. 4

A SEPARATE BID LINE ITEM SHALL BE PROVIDED FOR THE SCOPE OF WORK IDENTIFIED IN THESE DRAWINGS WITH THE DEDUCTION OF THE FLAGPOLE AND ACCOMPANIED SITE WORK.

ADDITIVE ALTERNATE BID NO. 5

A SEPARATE BID LINE ITEM SHALL BE PROVIDED FOR THE SCOPE OF WORK IDENTIFIED IN THESE DRAWINGS WITH THE DEDUCTION OF THE MARQUEE SIGN AND ACCOMPANIED SITE AND UTILITY WORK.

ENFORCING AGENCY:

DIVISION OF THE STATE ARCHITECT / SACRAMENTO REGIONAL OFFICE.
AMERICAN WITH DISABILITIES ACT AND THE CALIFORNIA TITLE 24 ACCESSIBILITY GUIDELINES

FLOOD ZONE:

- FLOOD ZONE DESIGNATION: ZONE X
- FLOOD INSURANCE RATE MAP (FIRM) PANEL DESIGNATION: 408 OF 1225
- EFFECTIVE DATE OF FIRM: DECEMBER 2, 2008
- BASE FLOOR ELEVATION (BFE):
- APPLICABLE COMMUNITY ORDINANCE SECTION: CITY OF MERCED, 060188

STATEMENT OF GENERAL CONFORMANCE

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS.

APPLICATION NO:___02-122839___ FILE NO:_____24-35_____

THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME, AND
2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341, AND 4-344" OF TITLE 24, PART I.

I CERTIFY THAT:

[X] ALL DRAWINGS SHEETS INCLUDED IN THIS SET NOT BEARING MY STAMP AND SIGNATURE.
[ ] DRAWING SHEET DENOTED IN THE SHEET INDEX AS FOLLOWS:_____
[ ] DRAWING SHEETS INCLUDED UNDER THE FOLLOWING PC APPROVAL(S):_____

IS/ARE IN GENERAL CONFORMANCE AND HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS

ARCHITECT'S SIGNATURE	03/03/2025 DATE
CHRIS NIKKEL ARCHITECT TETER, INC.	
C-35953	11-30-2025
LICENSE NUMBER	EXPIRATION DATE

ARCHITECT'S STATEMENT

NONE

DEFERRED SUBMITTALS

ERRC IS NOT REQUIRED ON THIS PROJECT PER LFA.

LFA STATEMENT

GENERAL NOTES

1. A COPY TITLE 24 C.C.R. PARTS 1 THROUGH 6, PART 9 AND PART 12 SHALL BE KEPT ON THE JOB SITE AT ALL TIMES.
2. CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN LET SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD) AS REQUIRED IN SECTION 4-338, PART I, CAC, AND SHALL BE SUBMITTED TO, AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATION IR A-6.
3. ALL TESTS TO CONFORM TO THE REQUIREMENTS OF TITLE 24 SECTION 4-335, PART 1, AND APPROVED T & I SHEET.
4. TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-335, PART I, AND THE DISTRICT SHALL EMPLOY AND PAY THE LABORATORY. COSTS OF RETEST MAY BE BACK CHARGED TO THE CONTRACTOR.
5. DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO THE PLACEMENT OF THE CONCRETE PER TITLE 24 SECTION 4-331, PART I.
6. A CLASS 1 INSPECTOR REQUIRED FOR THIS PROJECT SHALL BE EMPLOYED BY OWNER AND APPROVED BY ARCHITECT, STRUCTURAL ENGINEER, AND DSA. INSPECTOR SHALL BE IN ACCORDANCE WITH SECTION 4-333(c). THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-342, PART I.
7. SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH TITLE 24 SECTION 4-334, PART 1.
8. CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM SSS-6) IN ACCORDANCE WITH TITLE 24 SECTION 4-336, PART I.
9. THE ARCHITECT AND THE STRUCTURAL ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-333(a) AND 4-341, PART I.
10. THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH TITLE 24 SECTION 4-343, PART I.
11. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO CONSTRUCT THE SCHOOL BUILDING IN ACCORDANCE WITH TITLE 24 C.C.R. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, C.C.R., A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
12. ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA.
13. NO CHANGES OR REVISIONS SHALL BE MADE FOLLOWING WRITTEN APPROVAL WHICH AFFECTS ACCESS COMPLIANCE ITEMS UNLESS SUCH CHANGES OR REVISIONS ARE SUBMITTED TO THE DSA FOR APPROVAL.
14. SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE SUBMITTED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION.
15. CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY THE FOLLOWING:
    - ARCHITECT OR ENGINEER OF RECORD
    - STRUCTURAL ENGINEER (WHEN APPLICABLE)
    - DELEGATED PROFESSIONAL ENGINEER
16. MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.
17. THESE PLANS AND SPECIFICATIONS WILL COMPLY WITH FIRE SAFETY CBC CH. 33 AND CFC CH. 33 DURING CONSTRUCTION AND DEMOLITION.
18. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
19. DSA IS NOT SUBJECT TO ARBITRATION.
20. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
21. THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
22. LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.
23. A LISTING OF CERTIFIED ATT'S CAN BE FOUND AT HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE
24. THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.
25. PROJECT INSPECTORS WILL BE COLLECTING THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.

PROJECT DIRECTORY

OWNER
MERCED CITY SCHOOL DISTRICT
444 W. 23rd ST.
MERCED, CA. 95340
PHONE (209) 385 6343
CONTACT: BRYAN BEHN
EMAIL: BBehn@mcsd.k12.ca.us

PROJECT ARCHITECT
TETER, LLP
7535 N. PALM AVE., SUITE 201
FRESNO, CA 93711
(559) 437-0887
CONTACT: CHRIS NIKKEL
E-MAIL: chris.nikkel@teterae.com

MODULAR BUILDING
GLOBAL MODULAR INC.
450 COMMERCE AVE.,
ATWATER, CA 95301
(209) 769-5508
CONTACT: DUANE HAMILTON
E-MAIL: dhamilton@gdvi.net

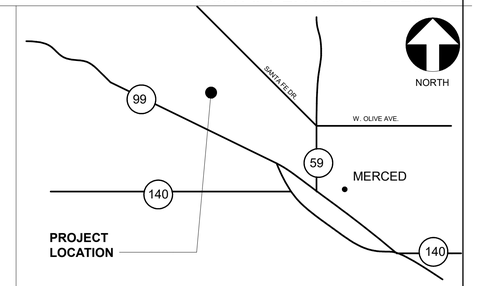
CIVIL ENGINEER
BLAIR, CHURCH & FLYNN
451 CLOVIS AVENUE, SUITE 200
CLOVIS, CA. 93612
(559) 326-1400
CONTACT: ZACHARY HOCKETT
EMAIL: zhockett@bcf-engr.com

MECHANICAL/PLUMBING ENGINEER
TETER, LLP
7535 N. PALM AVE., SUITE 201
FRESNO, CA 93711
(559) 437-0887
CONTACT: MARK BENNETT
E-MAIL: mark.bennett@teterae.com

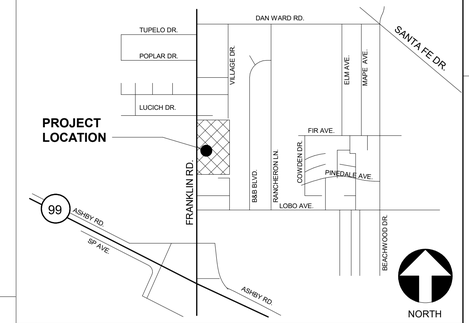
SHADE STRUCTURES & PLAY EQUIPMENT
PARK PLANET
415 ELM ST,
RED BLUFF, CA 96080
(559) 341-5768, (877) 473-7619
CONTACT: KASANNA COULTER
E-MAIL: kasanna@parkplanet.com

LANDSCAPE ARCHITECT
BLAIR, CHURCH & FLYNN
451 CLOVIS AVENUE, SUITE 200
CLOVIS, CA. 93612
(559) 326-1400
CONTACT: DAVID W. BRILEY
EMAIL: d.briley@bcf-engr.com

ELECTRICAL ENGINEER
TETER, LLP
7535 N. PALM AVE., SUITE 201
FRESNO, CA 93711
(559) 437-0887
CONTACT: EVAN BASTIAN
E-MAIL: evan.bastian@teterae.com



AREA MAP N.T.S.



VICINITY MAP N.T.S.

GOVERNING CODES

2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R. EFFECTIVE JULY 1, 2014
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
2022 CALIFORNIA FIRE CODE (CFC), PART 9, C.C.R. TITLE 24
2022 CALIFORNIA REFERENCED STANDARDS CODE, C.C.R. TITLE 24, PART 12
2022 CALIFORNIA ENERGY CODE (CAC), C.C.R. TITLE 24, PART 6
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), C.C.R. TITLE 24, PART 11
C.C.R., TITLE 19 PUBLIC SAFETY
NFPA 13-22 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (AS AMENDED)
NFPA 24-19 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES (AS AMENDED)
NFPA 25-13CA (CALIFORNIA NFPA 25 EDITION) INSPECTION, TESTING, AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS
NFPA 72-22 NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED)
UL 38-99 MANUALLY ACTUATED SIGNALING BOXES (AS AMENDED)
UL 268-16 SMOKE DETECTORS FOR FIRE ALARM SYSTEMS
UL 268A-09 SMOKE DETECTORS FOR DUCT APPLICATION (AS AMENDED)
UL 464-03 AUDIBLE SIGNAL APPLIANCES (AS AMENDED)
UL 521-99 HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS (AS AMENDED)
UL 1424 CABLES FOR POWER-LIMITED FIRE-ALARM CIRCUITS (2005 EDITION)
UL 1971 SIGNALING DEVICES FOR THE HEARING IMPAIRED (2004 EDITION)
AMERICANS WITH DISABILITIES ACT

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS AND EDITIONS REFER TO 2022 CBC (SFM) CHAPTER 35 REFERENCED STANDARDS AND CALIFORNIA FIRE CODE (CFC) CHAPTER 80 REFERENCED STANDARDS.

SEE CALIFORNIA BUILDING CODE, CHAPTER 35 REFERENCED STANDARDS, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-122839 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 03/07/2025

Teter, Inc. expressly reserves its common law copyright and other property rights in these plans. This document, the ideas and designs incorporated herein, as an instrument of professional service, is not to be used in whole or in part, for any other project without prior written authorization.

MARK	DATE	DESCRIPTION
	03/03/25	DSA BACKCHECK SUBMITTAL

LICENSED ARCHITECT ★ CHRISTOPHER A. NIKKEL ★ C-35953 ★ REN. 11-30-25 ★ STATE OF CALIFORNIA

TETER, INC.
ARCHITECTS ENGINEERS CONNECTED
FRESNO HEADQUARTERS
VISALIA | BAKERSFIELD | MODESTO | SAN LUIS OBISPO

TETER

MERCED CITY SCHOOL DISTRICT
FRANKLIN ELEM. SCHOOL
MODERNIZATION (PHASE 3)
2736 Franklin Road, Merced, CA

DRAWING TITLE
COVER

PROJECT NO.
23-12259.00

DRAWING
G000

PLOT DATE: 2/27/2025 9:44:27 AM

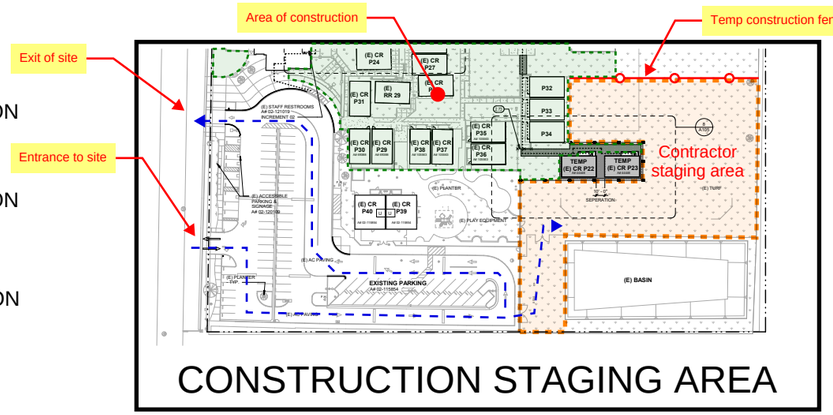
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

FRANKLIN ELEMENTARY SCHOOL
Watch Us Soar

PHASE A CONSTRUCTION

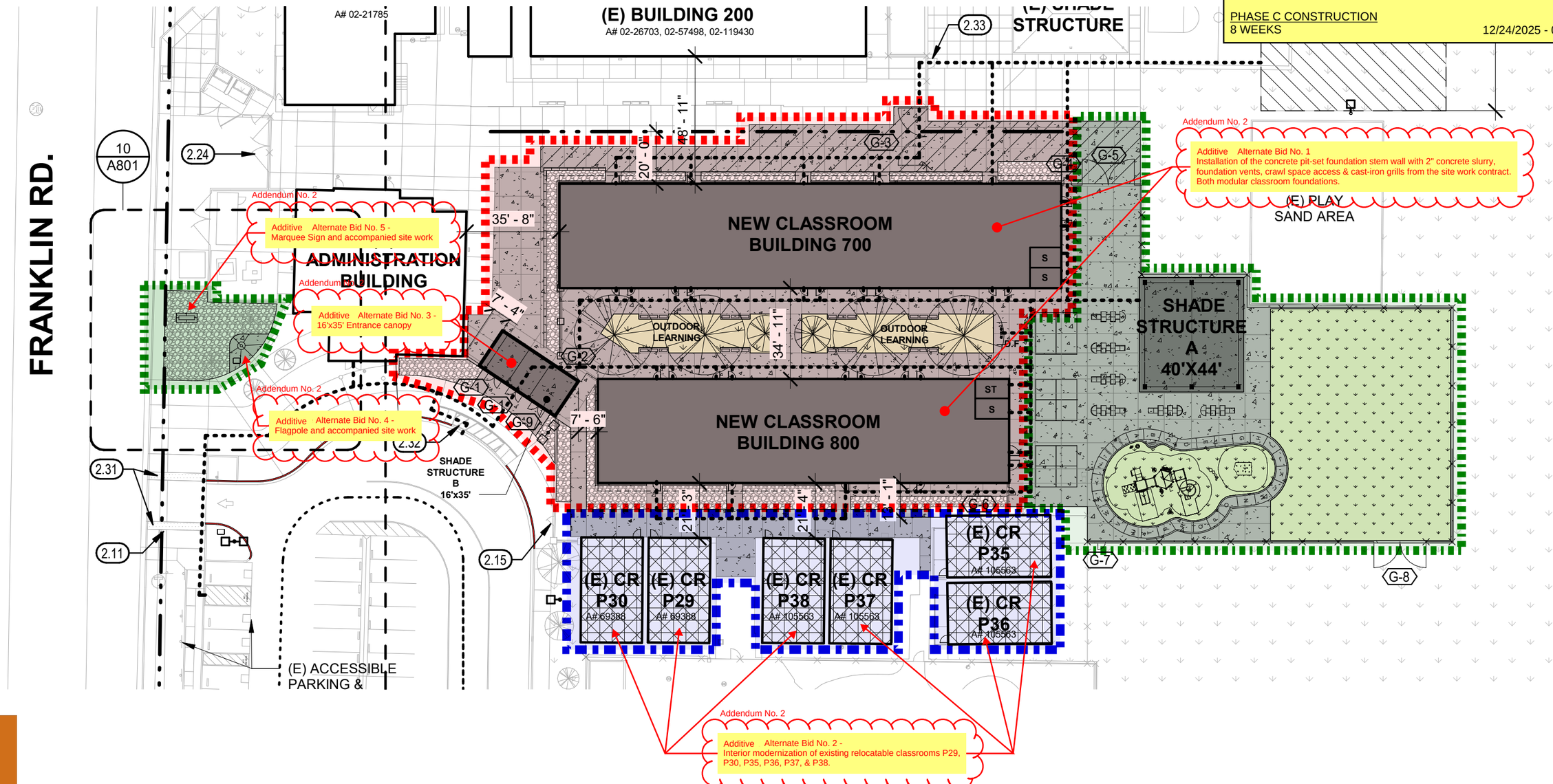
PHASE B CONSTRUCTION

PHASE C CONSTRUCTION



PHASED CONSTRUCTION SCHEDULE

BIDDING & AWARD	
5 WEEKS	03/10/2025 - 04/18/2025
- First Advertisement -	03/13/2025
- Second Advertisement -	03/20/2025
- First Bid Walk -	03/24/2025
- Second Bid Walk -	03/31/2025
- Bid -	04/07/2025
- Board meeting -	04/14/2025
- NTP -	04/18/2025
PHASE A CONSTRUCTION	
20 WEEKS	04/18/2025 - 10/01/2025
CLOSE-OUT & CERTIFICATION	
6 WEEKS	10/01/2025 - 11/12/2025
PHASE B CONSTRUCTION	
6 WEEKS	11/12/2025 - 12/24/2025
PHASE C CONSTRUCTION	
8 WEEKS	12/24/2025 - 02/18/2026



TETER

OVERALL SITE PLAN - CONSTRUCTION PHASING

NORTH

SCALE: N.T.S

Date: 03/20/25

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

FRANKLIN ELEMENTARY SCHOOL
Watch Us Soar

PHASE A CONSTRUCTION

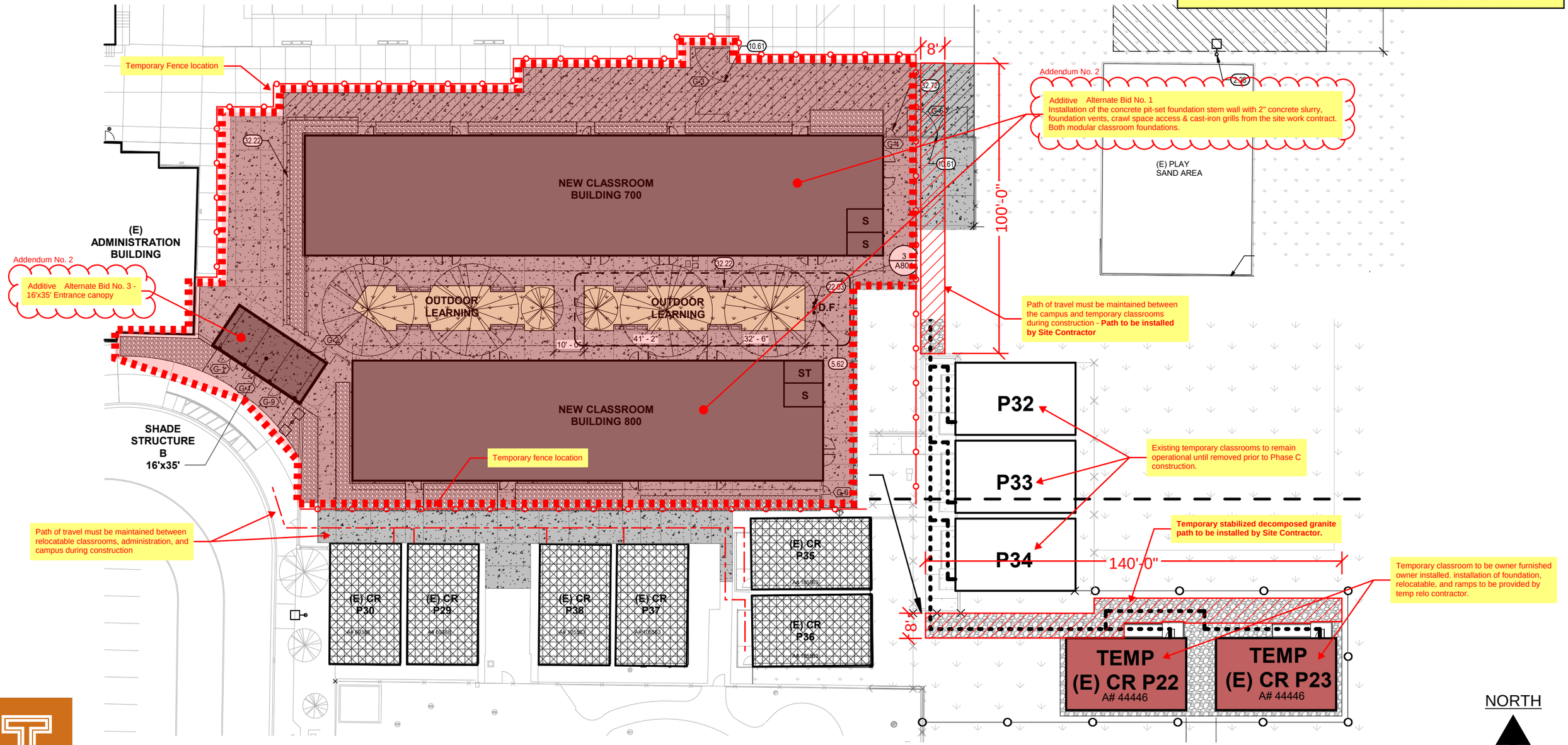
PHASE B CONSTRUCTION

PHASE C CONSTRUCTION

PHASE A CONSTRUCTION
- Students to move out of classrooms into temporary Relo classrooms.
- Demolition of phase
- Site utilities
- Installation of modular classroom buildings
- Site improvements
- Entrance fencing
- Entrance Shade Structure
- Temp pathway for Temporary Classrooms

PHASED CONSTRUCTION SCHEDULE

BIDDING & AWARD	
5 WEEKS	03/10/2025 - 04/18/2025
- First Advertisement -	03/13/2025
- Second Advertisement -	03/20/2025
- First Bid Walk -	03/24/2025
- Second Bid Walk -	03/31/2025
- Bid -	04/07/2025
- Board meeting -	04/14/2025
- NTP -	04/18/2025
PHASE A CONSTRUCTION	
20 WEEKS	04/18/2025 - 10/01/2025
CLOSE-OUT & CERTIFICATION	
6 WEEKS	10/01/2025 - 11/12/2025



TETER

ENLARGED SITE PLAN - CONSTRUCTION PHASE A - NEW IMPROVEMENTS

NORTH

SCALE: N.T.S

Date: 03/20/25

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

FRANKLIN ELEMENTARY SCHOOL
Watch Us Soar

PHASE A CONSTRUCTION

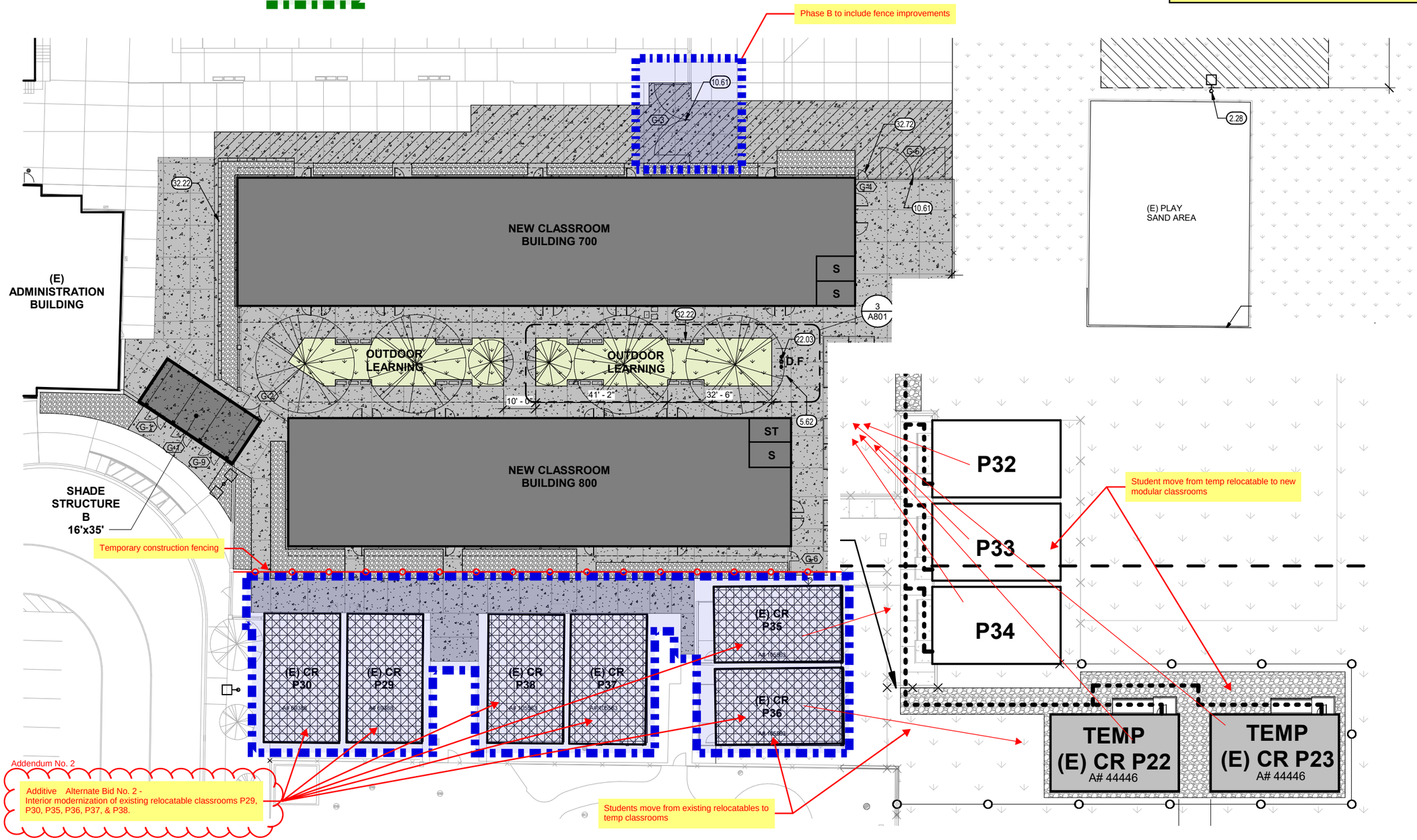
PHASE B CONSTRUCTION

PHASE C CONSTRUCTION

PHASE B CONSTRUCTION
- Students to move from temporary classrooms to new modular classrooms
- Students move from existing relocatable classrooms P29, P30, P35, P36, P37 & P38 to temporary classrooms.
- Existing relocatable classrooms to receive new improvements per construction documents.

PHASED CONSTRUCTION SCHEDULE

BIDDING & AWARD	
5 WEEKS	03/10/2025 - 04/18/2025
- First Advertisement -	03/13/2025
- Second Advertisement -	03/20/2025
- First Bid Walk -	03/24/2025
- Second Bid Walk -	03/31/2025
- Bid -	04/07/2025
- Board meeting -	04/14/2025
- NTP -	04/18/2025
PHASE B CONSTRUCTION	
6 WEEKS	11/12/2025 - 12/24/2025



TETER

ENLARGED SITE PLAN - CONSTRUCTION PHASE B - NEW IMPROVEMENTS

NORTH

SCALE: N.T.S

Date: 03/20/25

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

FRANKLIN ELEMENTARY SCHOOL
Watch Us Soar

PHASE A CONSTRUCTION

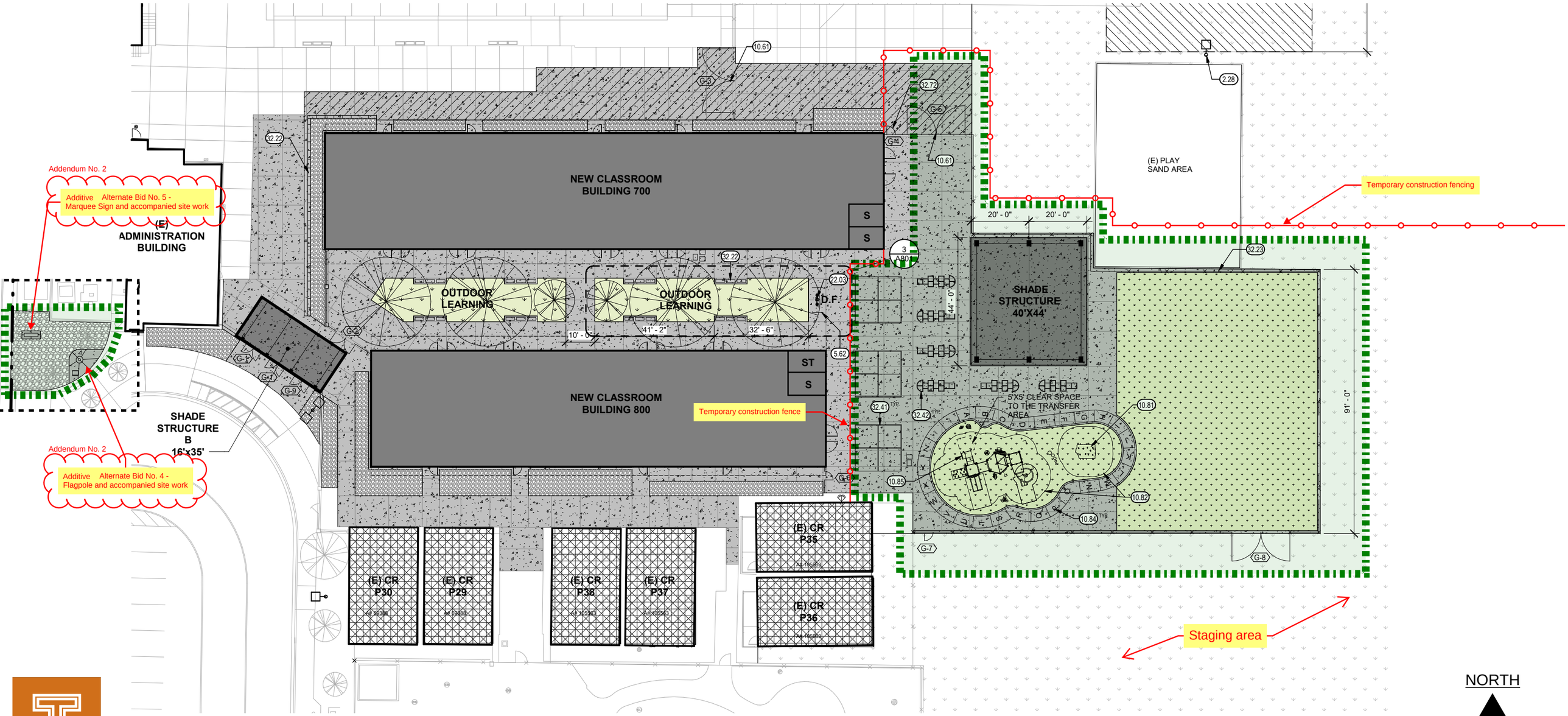
PHASE B CONSTRUCTION

PHASE C CONSTRUCTION

PHASE C CONSTRUCTION
- Students move from temporary classrooms to refurbished classrooms P29 - P38.
- Removal of Temporary classrooms - **Coordinate with District.**
- Installation of play equipment
- Installation of shade structure
- Fencing

PHASED CONSTRUCTION SCHEDULE

BIDDING & AWARD	
5 WEEKS	03/10/2025 - 04/18/2025
- First Advertisement -	03/13/2025
- Second Advertisement -	03/20/2025
- First Bid Walk -	03/24/2025
- Second Bid Walk -	03/31/2025
- Bid -	04/07/2025
- Board meeting -	04/14/2025
- NTP -	04/18/2025
PHASE C CONSTRUCTION	
8 WEEKS	12/24/2025 - 02/18/2026



TETER

ENLARGED SITE PLAN - CONSTRUCTION PHASE C - NEW IMPROVEMENTS

NORTH

SCALE: N.T.S

Date: 03/20/25

SECTION 012300
ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.

C. Execute accepted alternates under the same conditions as other work of the Contract.

D. Schedule of Alternates: A schedule of alternates is included in Part 3 Article “Schedule of Alternates” at the end of this Section.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1: Classroom Modular Building Foundations and Under Building Utilities.

1. Bid Alternate: All work listed below shall be added to the Site Work Contract and deducted from the Modular Building Contract. Site Contractor provides the foundation excavations, concrete footings, foundation embed items, under building utility systems including trenching and backfill, ground termite treatment, final backfill and grading to 5 ft. outside the building. Site Work Contractor shall closely coordinate with the Modular Building Contractor to accurately locate all foundation embed items and under building utility work as required by the approved modular building drawings. Modular Manufacturer shall fabricate and furnish the foundation embed items to Site Work Contractor for installation.

B. Alternate No. 2: Interior Improvements of existing relocatable buildings (P29, P30, P35, P36, P37, & P38)

1. Bid Alternate: Provide the interior finish improvements as described in the construction documents.

C. Alternate No. 3: 16’x35’ PC. Approved Entrance Canopy.

1. Bid Alternate: Provides (1) 16’x35’ shade structure improvement as described in the construction documents.

D. Alternate No. 4: Flagpole.

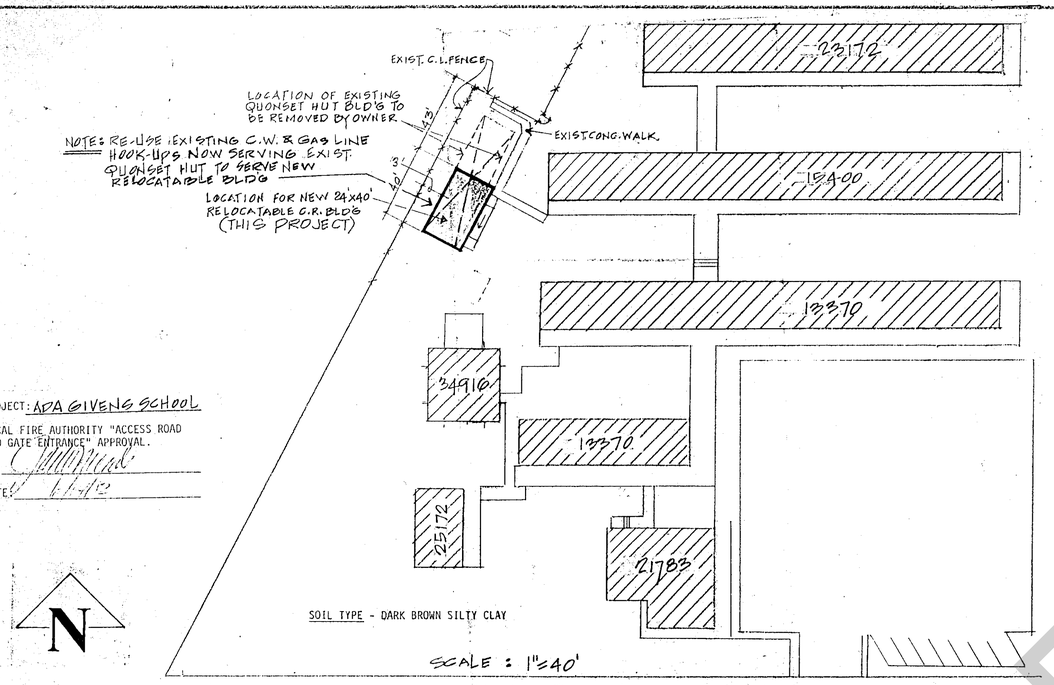
1. Bid Alternate: Site Contractor provides Flagpole improvements as described in the construction documents.

E. Alternate No. 5: Marque Sign

1. Bid Alternate: Site Contractor provides Marque Sign improvements as described in the construction documents

END OF SECTION

MCSD Bids 2024-5 | 04022025 |
Addendum No. 2



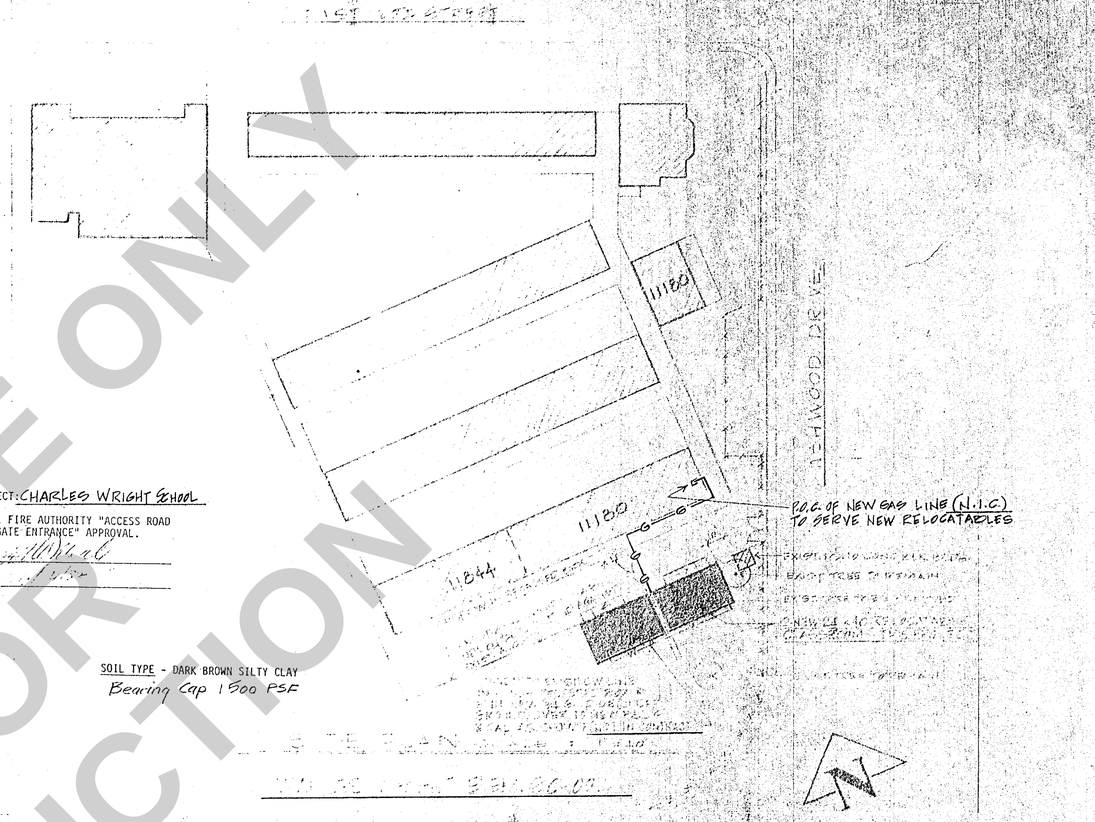
PROJECT: ADA GIVENS SCHOOL

LOCAL FIRE AUTHORITY "ACCESS ROAD AND GATE ENTRANCE" APPROVAL.

BY: [signature]

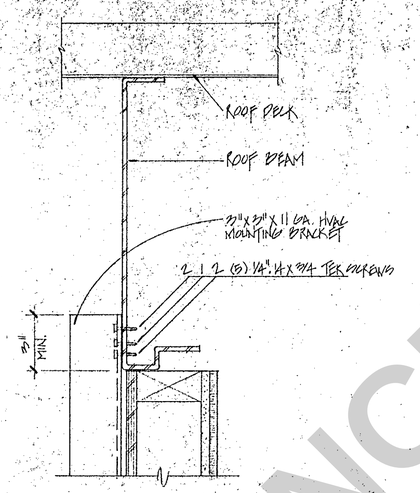
DATE: 6-14-82

SITE PLAN — ADA GIVENS ELEMENTARY SCHOOL

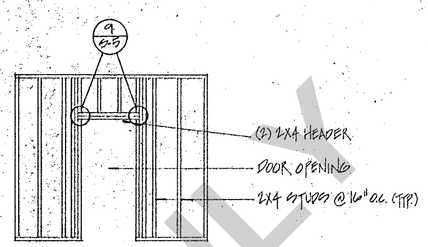

11180
11844
11180
P.O.C. OF NEW GAS LINE (N.I.C.) TO SERVE NEW RELOCATABLES
EXIST. 12" W.M.
EXIST. 8" W.M. TO REMAIN
EXIST. 6" W.M. TO BE REMOVED
CONNECT 6" W.M. TO EXIST. 8" W.M.
EXIST. 6" W.M. TO REMAIN

MCSD Bid# 2024-5 04/02/2025
Addendum No. 2

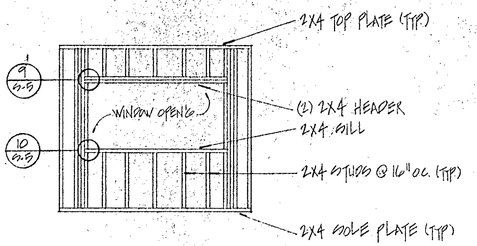
FOR REFERENCE ONLY
NOT FOR CONSTRUCTION



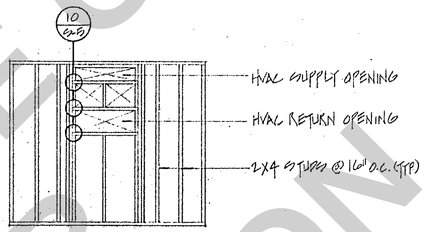
7 / S-5 HVAC BRACKET CONN. @ ROOF BEAM
3" = 1'-0"



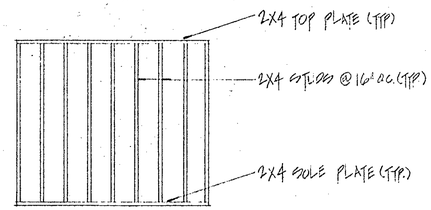
3 / S-5 WALL FRAMING @ DOOR
1/4" = 1'-0"



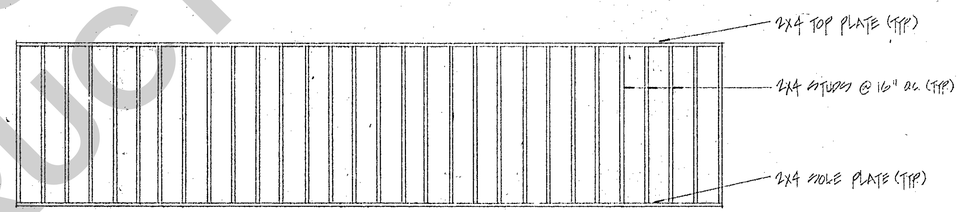
1 / S-5 WALL FRAMING @ 8040 WINDOW
1/4" = 1'-0"

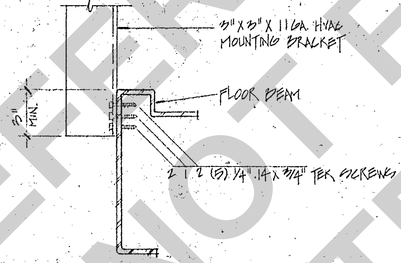


4 / S-5 WALL FRAMING @ HVAC UNIT
1/4" = 1'-0"

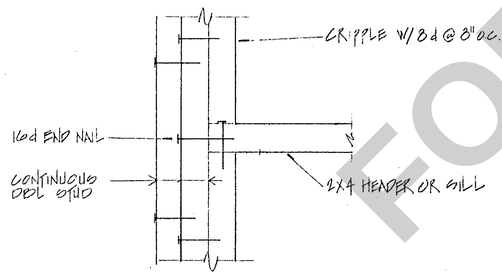


2 / S-5 WALL FRAMING @ 12' MOD. END
1/4" = 1'-0"

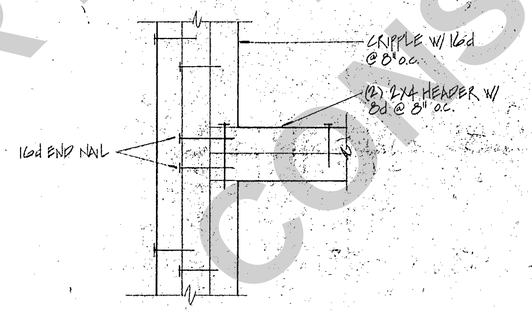




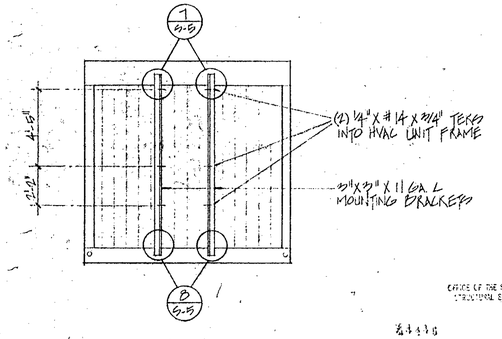
8 / S-5 HVAC BRACKET CONN. @ FLOOR BEAM
3" = 1'-0"



10 / S-5 HVAC HEADER OR WINDOW SILL
3" = 1'-0"



9 / S-5 HEADER TO STUD CONN.
3" = 1'-0"



6 / S-5 HVAC MOUNTING BRACKETS
1/4" = 1'-0"

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
JUN 2 [illegible]
For 02 [illegible]

NAILING SCHEDULE
UBC TABLE 25-P

TOP PLATE TO STUD END WALL	2 - 16d 3½ x 131 PASLODE
STUD TO SOLE PLATE, FACE NAIL	4 - 16d
DOUBLE STUD, FACE NAIL	16d @ 24" o.c.
SINGLE TOP PLATE, FACE NAIL	16d @ 16" o.c.
TOP PLATE, LAPS & INTERSECTIONS, FACE NAIL	2 - 16d
CONTINUOUS HEADER, TWO PIECES	16d @ 6" ALONG EA. EDGE
CONTINUOUS HEADER TO STUD; FACE NAIL	4 - 16d
CONTINUOUS HEADER TO STUD, END NAIL	4 - 16d

EXTERIOR PLYWOOD TO STUDS
6d @ 6" o.c. EDGE OF SHEETS 2-3/8 x 113 RING-SHANK
6d @ 12" o.c. INTERMEDIATE BEARING, GALVANIZED
GYPSUM BOARD TO STUDS
GWB-54 1¼" LONG 5d COOLER NAILS @ 8" o.c.

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT

Osterhus & Hesse
ARCHITECT
ENGINEER

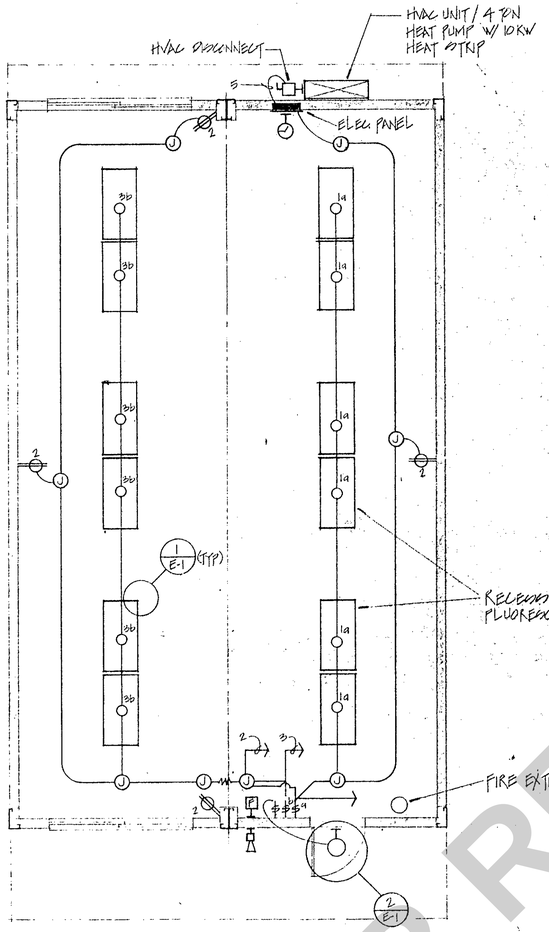
FRANKLIN ELEM. SCH. (2)
CHARLES H. WRIGHT SCH. (2)
ADA GIVENS SCH. (1)
JOHN MUIR SCH. (1)
RIVERA JR. HIGH (1)

RELOCATABLE CLASSROOM, 24'x40'
FOR
MERCED CITY SCH. DIST.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

S-5

Revised Sheet Replaces E-1 Dated 7-6-82
Addendum No. 2



A E-1 ELECTRICAL PLAN
1/4" = 1'-0"

S/N

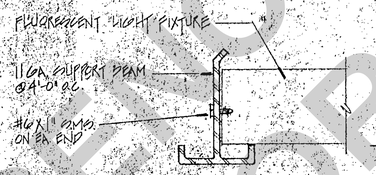
LOAD	DES.	BKR.	#		#	BKR.	DES.	LOAD
1,110	LTG.	20A 1-P	1		2	20A 1-P	RECP.	350
1,110	LTG.	20A 1-P	3		4	20A 1-P	RECP.	350
16,852	HVAC	90A 2-P	5		6			
			7		8			

79.46A 2-P

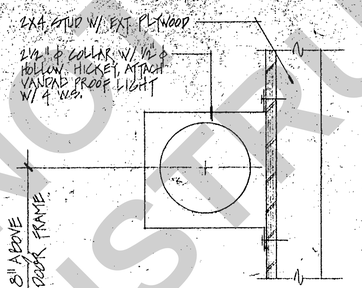
TOTAL LOAD 19,072 — 125A MAINS

120/240V. 1Φ
FLUSH MTD.

PANEL DIAGRAM



1 E-1 LIGHT FIXTURE SUPPORT
NO SCALE



2 E-1 EXTERIOR LIGHT
NO SCALE

FIRE ALAM LEVEL OF AUDIBILITY

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANT SHALL BE SO LOCATED AND UNOBSTRUCTED TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 10DB ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FT. ABOVE THE FLOOR.

AMBIENT NOISE LEVELS SHALL BE CONSTRUCTED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS. SEC. 2-7203 TITLE 24.

FIRE EXTINGUISHERS

APPROVED PORTABLE FIRE EXTINGUISHERS HAVING A MIN. RATING OF 2A SHALL BE SO LOCATED THAT IT WILL BE UNNECESSARY TO TRAVEL MORE THAN 75 FT. TO OBTAIN ONE. NOT LESS THAN ONE UNIT SHALL BE PROVIDED FOR EACH 6000 SQ. FT. SECTION 5981, TITLE 19.

FIRE EXTINGUISHERS SHOULD BE LOCATED ADJACENT TO MANUAL FIRE ALARM SENDING STATIONS.

FIRE ALARM MUST TIE INTO EXISTING FIRE ALARM SYSTEM.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY. SECTION E140-16, TITLE 24, C.A.C.

GENERAL NOTES

1. FIRE ALARM SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE STATE FIRE MARSHAL, PART 3 CAC, TITLES 24, 8 AND 19.
2. GROUNDING, ALL RACEWAY SYSTEMS, FIXTURES, OUTLETS, MOTORS, EQUIPMENT ENCLOSURES AND METAL BUILDING MUST BE PERMANENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH THE 1978 NEC, CAC, TITLE 8, AND LOCAL CODES.
3. ALL ELECTRICAL INSTALLATION FOR THE BUILDING AND THE SITE ELECTRICAL SERVICE SHALL MEET REQUIREMENTS OF THE 1978 NEC, TITLE 8, TITLE 24 AND 19, AND LOCAL CODES.

SYMBOL	DESCRIPTION
	4 FLUORESCENT LT. FIXTURE, RECESS MTD. IN CLG. WITH 4F40Y TUBES
	KENALL #3636 OR EQUAL INCANDESCENT LT. FIXTURE WALL MTD. WITH 1 - 100W LAMP
$	SINGLE POLE TOGGLE SWITCH (QUIET TYPE)
	15A GROUNDABLE DUPLEX CONVENIENCE RECEPTACLE
J	JUNCTION BOX
a	SWITCH CIRCUIT 1
b	SWITCH CIRCUIT 3
	HVAC DISCONNECT
F	FIRE ALARM PULL STATION, SEE NOTE 1 THIS SHEET
	FIRE ALARM, SEE SITE PLAN SHT. & SEE NOTE 1 THIS SHT.
F BKR.	CIRCUIT BREAKER
LT.	LIGHT
CLG.	CEILING
MTD.	MOUNTED
FXT.	FIXTURE
	CLOCK OUTLET AT + 7'-6"

STATE OF CALIFORNIA
DSA | OSHPD
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ARCHITECT / ENGINEER
				Peterson & Hesse

FRANKLIN ELEM. SCH. (2)
CHARLES H. WRIGHT SCH. (1)
ADA GIVENS SCH. (1)
JOHN MUIR SCH. (1)
RIVERA JR. HIGH SCH. (1)

RELOCATABLE CLASSROOM, 24'x40'
FOR
MERCED CITY SCH. DIST.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

E-1

MCSD BIDs 2014-5 04/22/2014
Addendum No. 1

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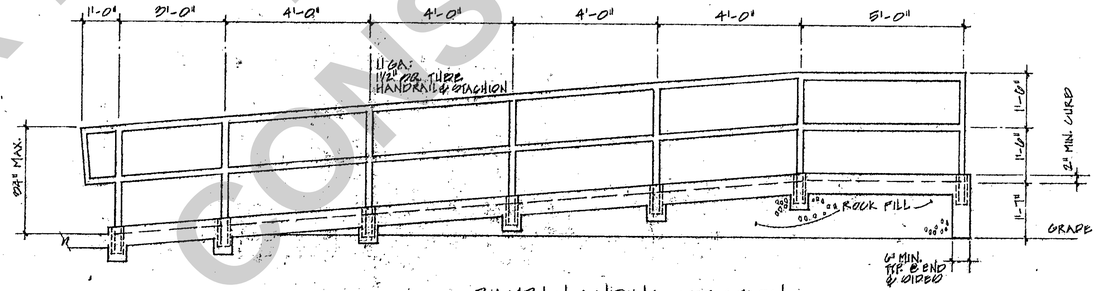
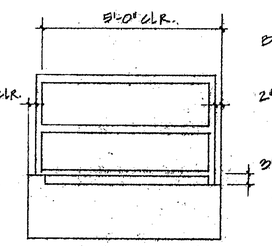
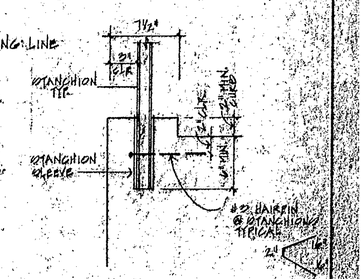


RAMP & LANDING SECTION
1/2"=1'-0"



LANDING ELEVATION
1/2"=1'-0"



STANCHION SLEEVE DETAIL

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

44446
APPLICATION NO.

JUN 22 '82

Per [signature]
PRINCIPAL STRUCTURAL ENGINEER

STATE OF CALIFORNIA
DEPARTMENT OF GENERAL SERVICES
AUG 1 1982

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT
		95 11	

DeParker & Wesse
ARCHITECT

ENGINEER

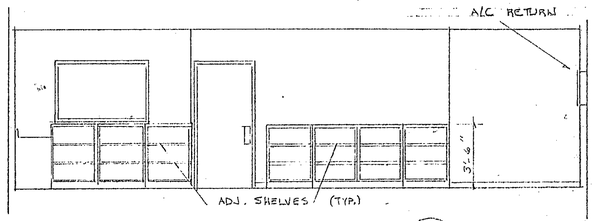
FRANKLIN ELEM. SCH.	(2)
CHARLES H. WRIGHT	(2)
ADA GIVENS SCH.	(1)
JOHN MUIR SCH.	(1)
RIVERA JR. HIGH.	(1)

RELOCATABLE CLASSROOM, 24'x40'
FOR
MERCED CITY SCH. DIST.

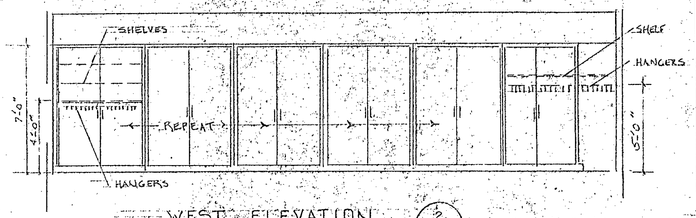
STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

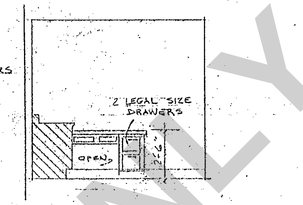
R-1



EAST ELEVATION 1 / A-2A

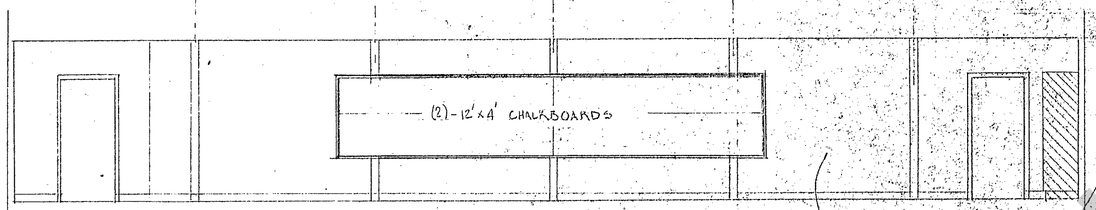


WEST ELEVATION 2 / A-2A

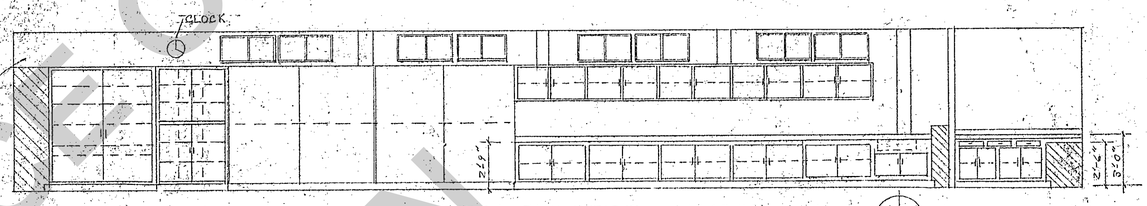


EAST ELEV. - OFFICE 3 / A-2A

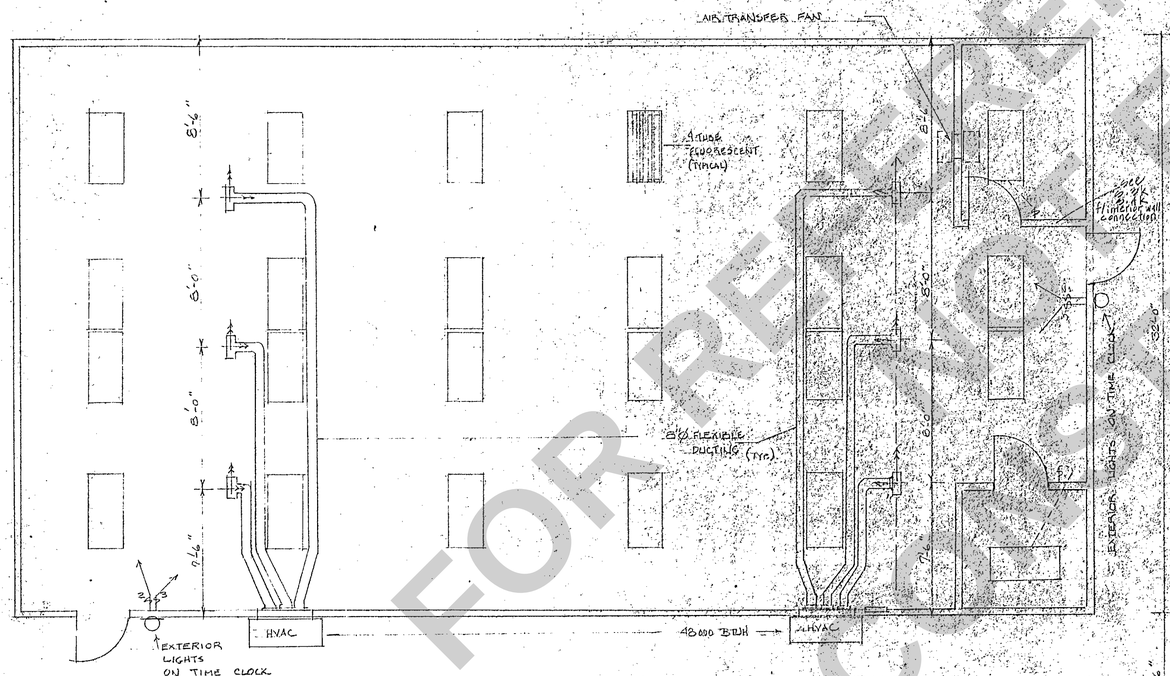
SCALE : 1/4" = 1'-0" ALL DETAILS THIS PAGE



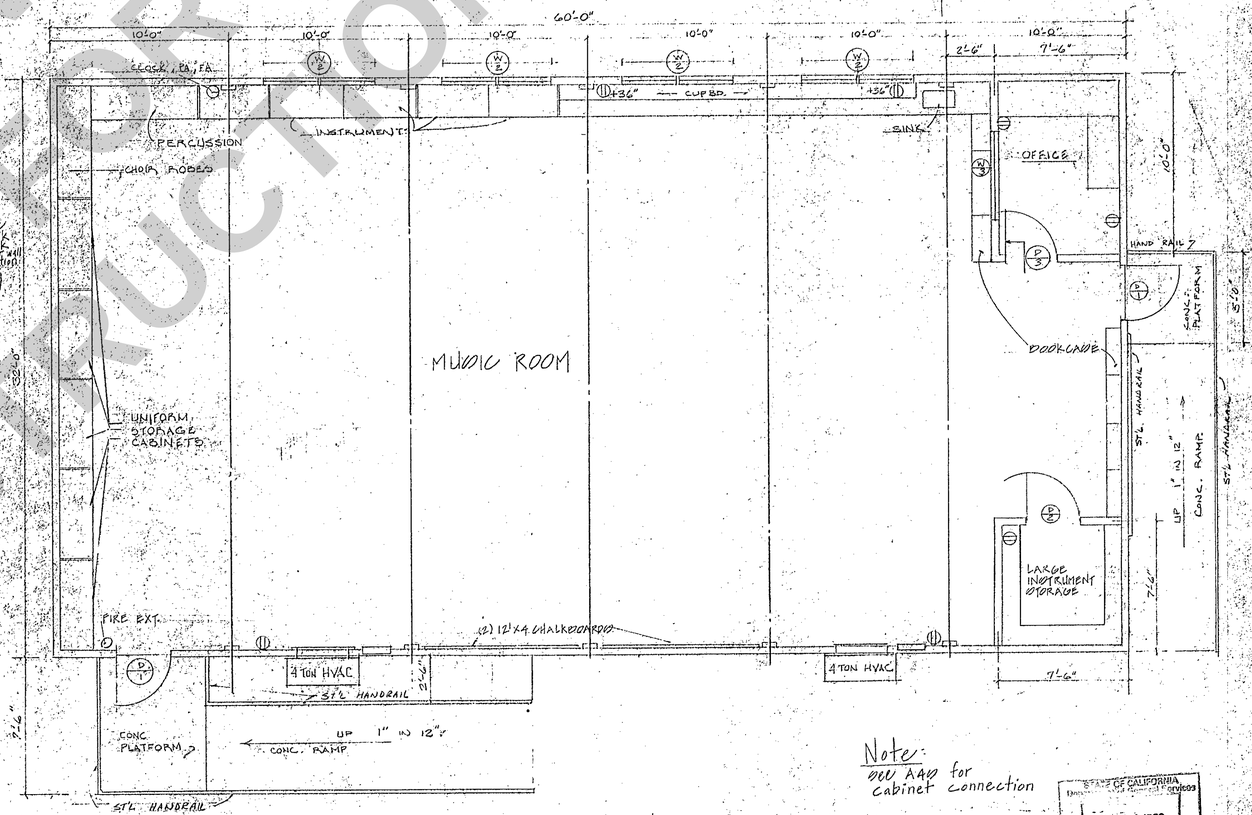
SOUTH ELEVATION 4 / A-2A



NORTH ELEVATION 5 / A-2A
SCALE : 1/4" = 1'-0"



REFLECTED CEILING PLAN 6 / A-2A



Note:
see A4.0 for cabinet connection

FLOOR PLAN 7 / A-2A
1/4" = 1'-0"

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

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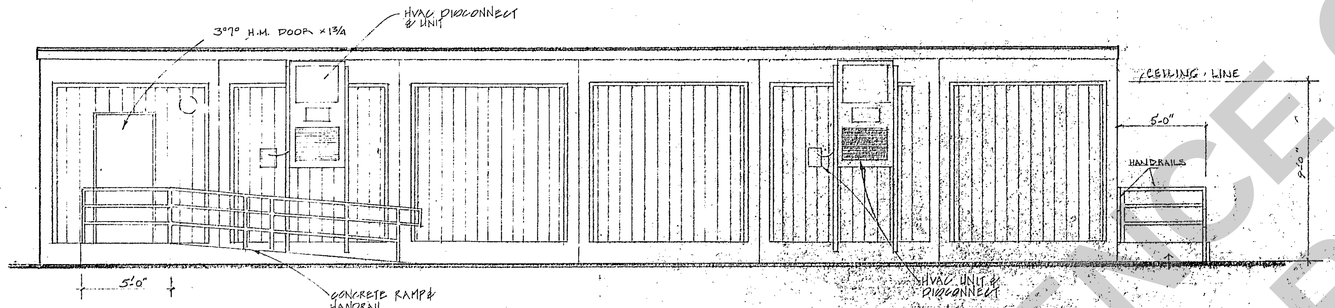
REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ARCHITECT / ENGINEER
				DuPartuis & Hegge ARCHITECT
				21145 JA 22

RELOCATABLE CLASSROOM, 32'x60'
FOR
MERCED CITY SCH. DIST.
RIVERA JUNIOR HIGH SCH.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

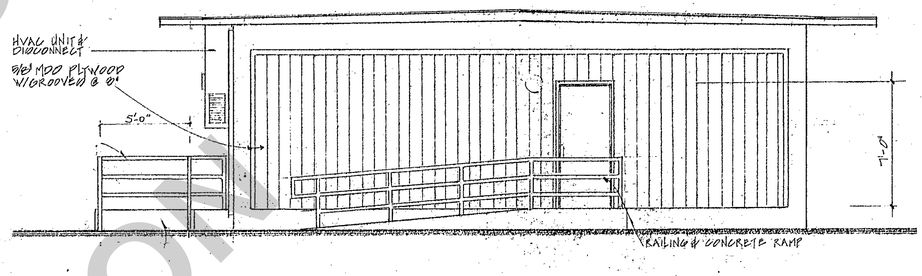
A-2A



FRONT ELEVATION

1/4" = 1'-0"

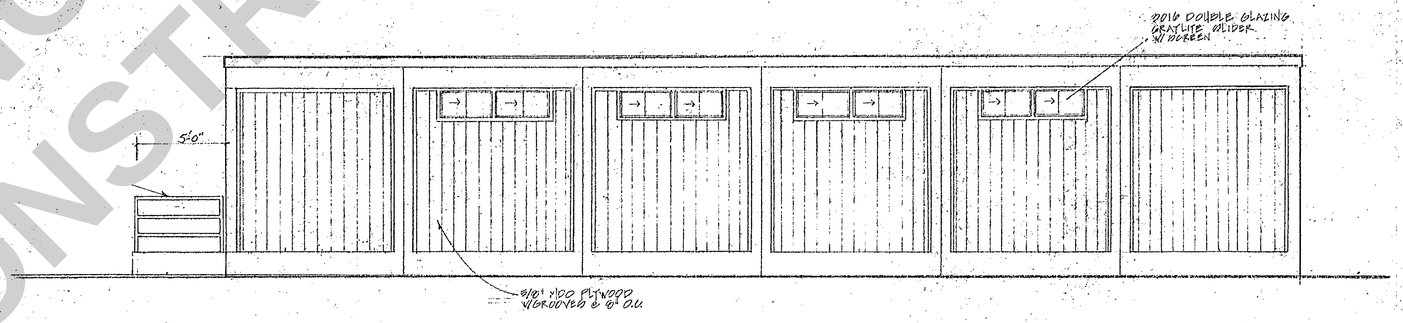
1 / A-2B



RIGHT ELEVATION

1/4" = 1'-0"

2 / A-2B



REAR ELEVATION

1/4" = 1'-0"

3 / A-2B

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STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section

MUSIC

REVISIONS	DATE

STATE FIRE MARSHAL

OFFICE OF THE STATE ARCHITECT

DuPertuis & Hesse
ARCHITECT

ENGINEER

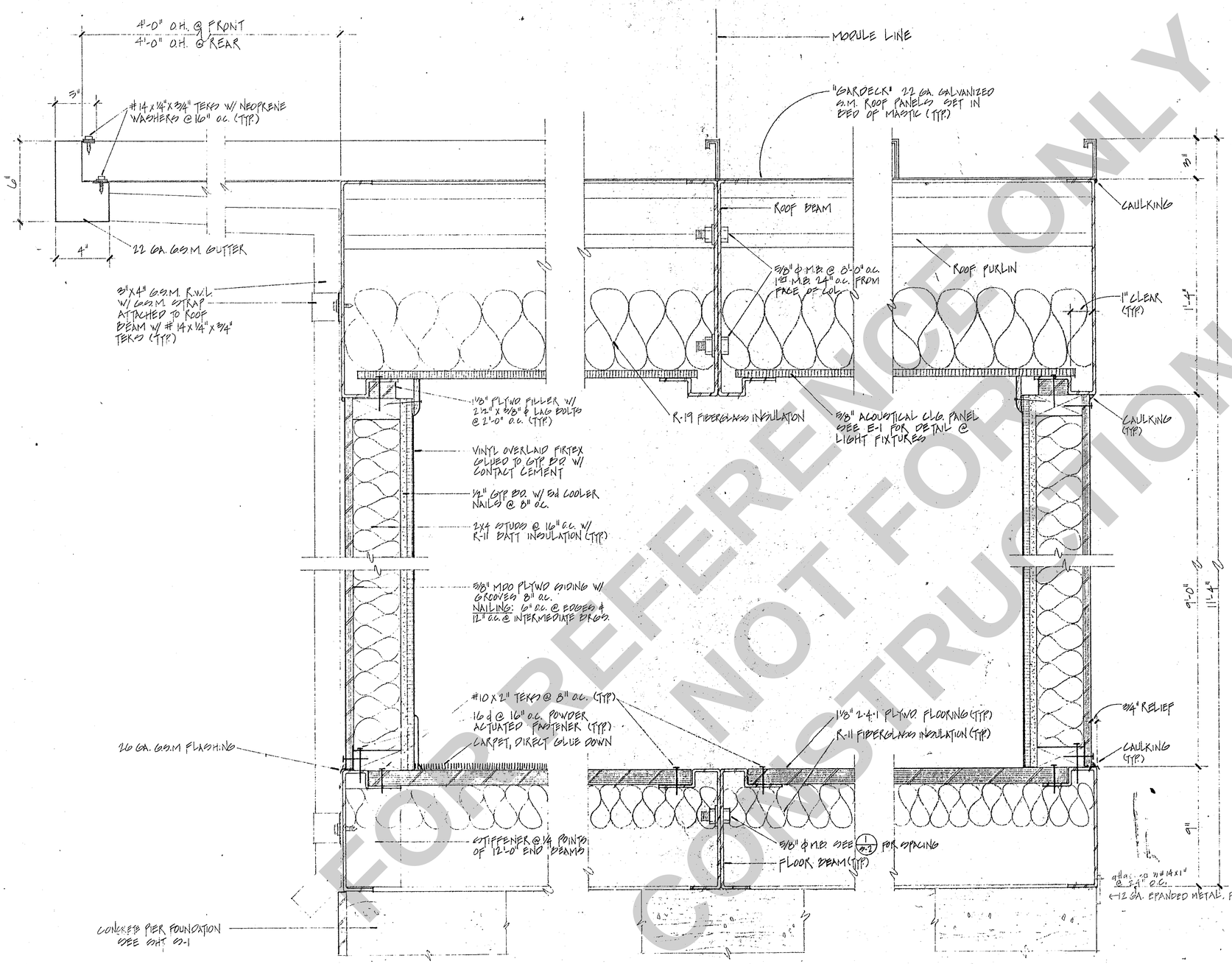
OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
1448
JUN 22 '82
By: G. Meehan
Approved under the provisions of Title 24

RELOCATABLE CLASSROOM, 32'x60'
FOR
MERCED CITY SCH. DIST.
RIVERA JR. HIGH SCH.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN: T.P.
DATE:
CHECKED:
APPROVED:
PROJECT:

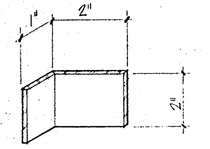
A-2B M



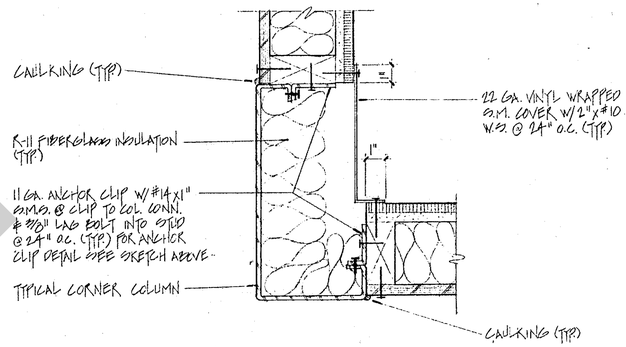
5/A-3 SECTION ⊥ TO FLR. GIRDER — 3/4" = 1'-0"

4/A-3 SECTION @ MODULE LINE — 3/4" = 1'-0"

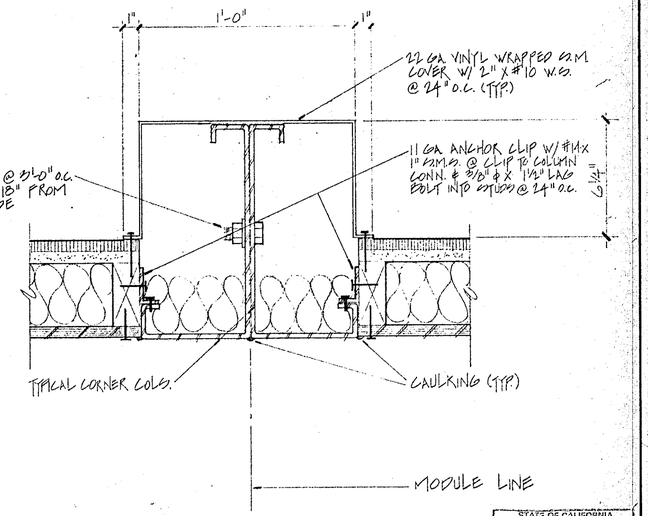
3/A-3 SECTION ∥ TO FLR. GIRDER — 3/4" = 1'-0"



11 GA. ANCHOR CLIP
(NOT TO SCALE)



1/A-3 PLAN SECTION - CORNER COLUMN — 3" = 1'-0"



2/A-3 PLAN SECTION - MODULE LINE COL. — 3" = 1'-0"

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

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REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ARCHITECT	ENGINEER
		OK		DuPertuis & Hesse	

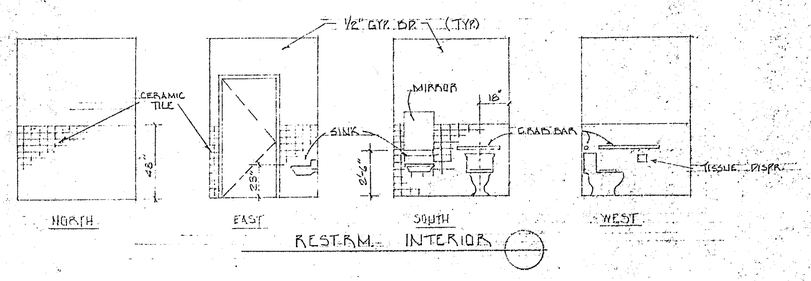
OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPROVED
JUN 22 '82
APPLICATION NO.
By: O.J. Meadows

RELOCATABLE CLASSROOM, 32'x60'
FOR
MERCED CITY SCH. DIST.
RIVERA JR. HIGH SCH.

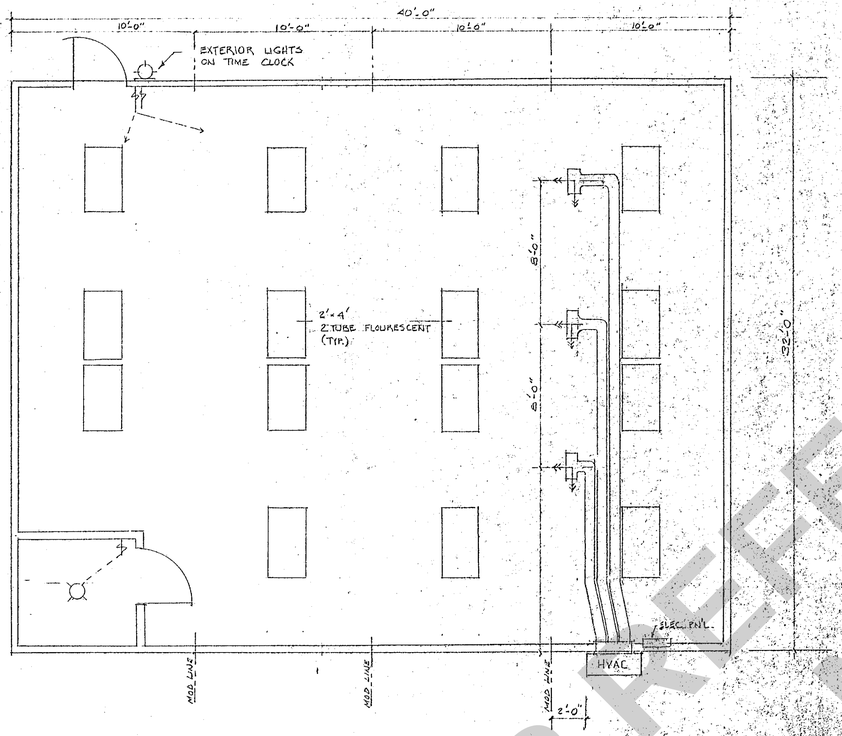
STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

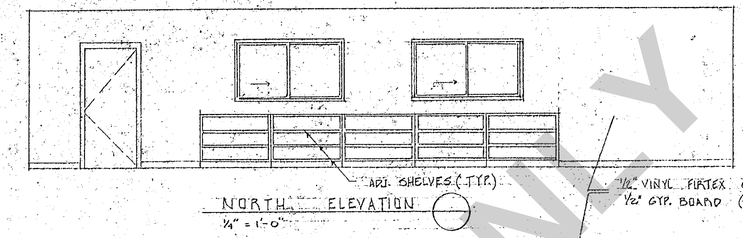
A-3M



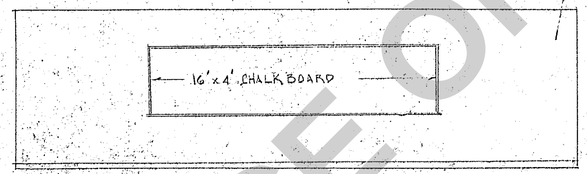
REST RM. INTERIOR



REFLECTED CEILING PLAN

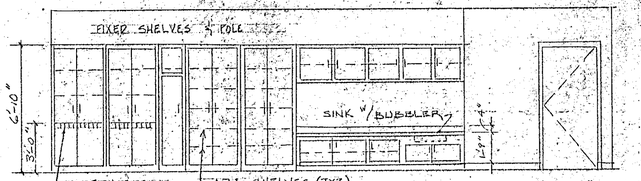


NORTH ELEVATION
1/4" = 1'-0"

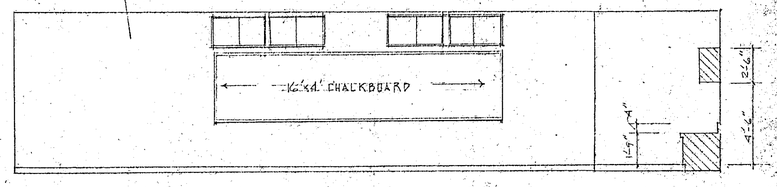


EAST ELEVATION

1/2" VINYL FIRTEX OVER 1/2" GYP. BOARD (TYPICAL)



WEST ELEVATION
1/4" = 1'-0"



SOUTH ELEVATION

CLASSROOM INTERIOR ELEVATIONS

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OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APPLICATION NO. 44306
JUN 22 '82
By [signature]
PRINCIPAL STRUCTURAL ENGINEER

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

KINDERGARTEN

RELOCATABLE CLASSROOM
FOR
MERCED CITY SCH. DIST.
RIVERA JUNIOR HIGH SCH.

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT
		DB	

Duperrault & Hesse
[signature]
ARCHITECT

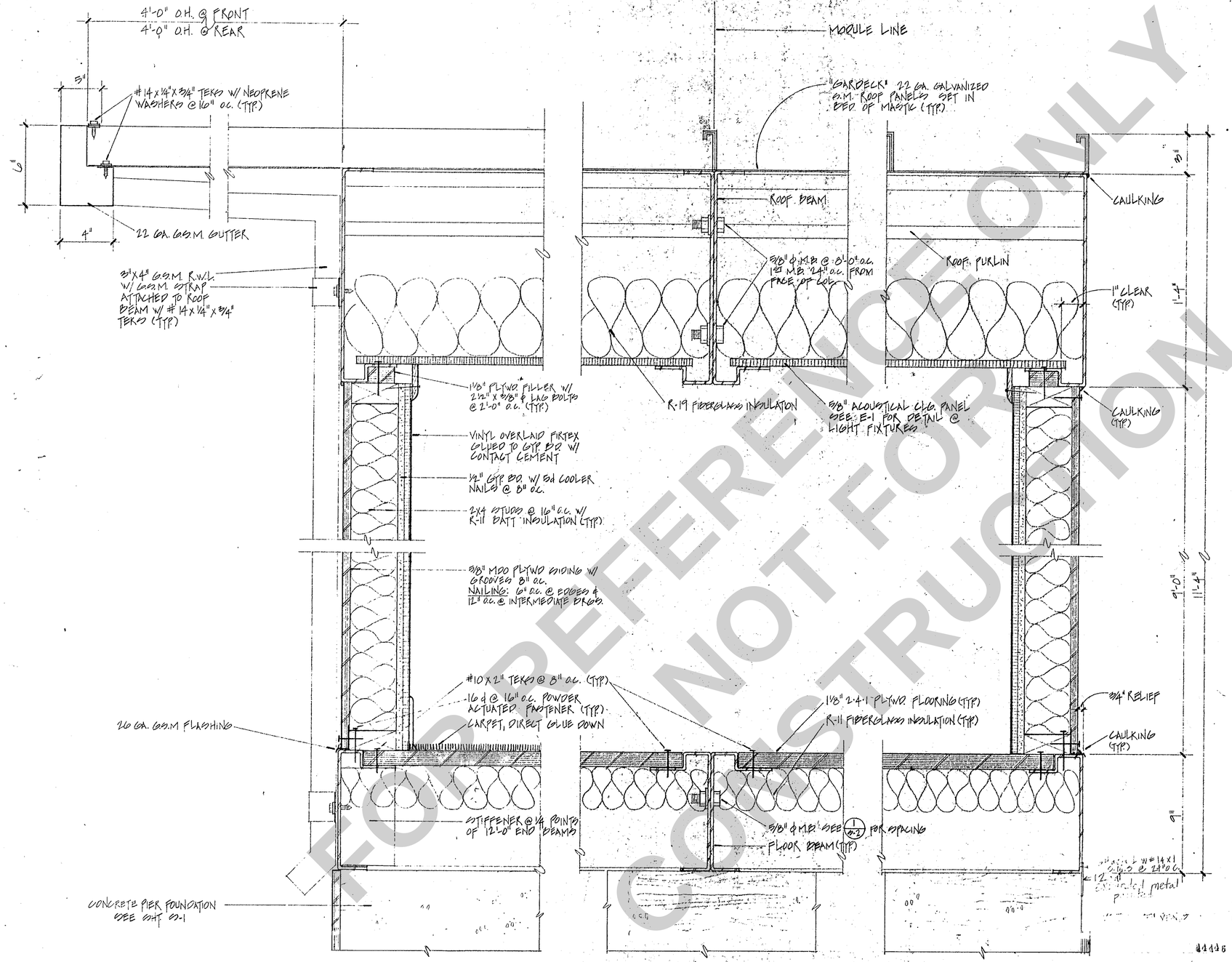
ENGINEER

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

A-2 BK

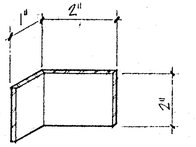
MCSD BID# 2024-5 - 04/02/2024
Addendum No. 2



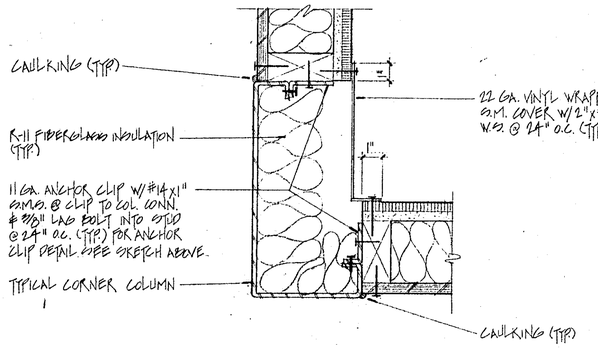
5/A-3 SECTION ⊥ TO FLR. GIRDER
3/4" = 1'-0"

4/A-3 SECTION @ MODULE LINE
3/4" = 1'-0"

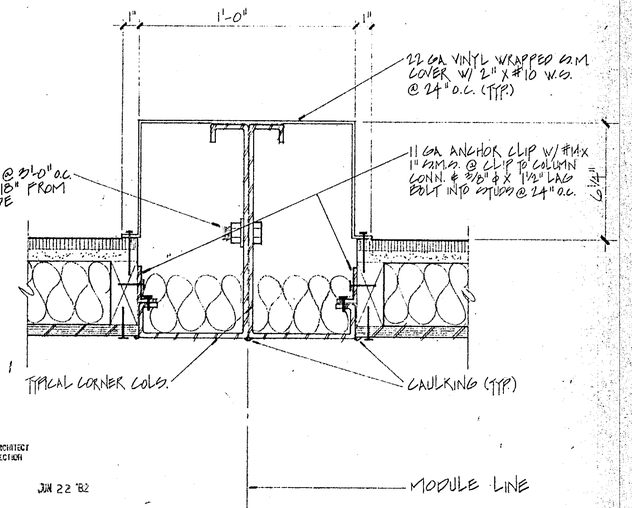
3/A-3 SECTION ∥ TO FLR. GIRDER
3/4" = 1'-0"



11 GA. ANCHOR CLIP
(NOT TO SCALE)



1/A-3 PLAN SECTION - CORNER COLUMN
3" = 1'-0"



PLAN SECTION - MODULE LINE COL.
3/4" = 1'-0"

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section

DeParbis & Hesse
ARCHITECT

KINDERGARTEN

RELOCATABLE CLASSROOM, 32' x 40'
FOR
MERCED CITY SCH. DIST.
JOHN C. FREMONT SCH.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

REVISIONS	DATE

STATE FIRE MARSHAL: 83

OFFICE OF THE STATE ARCHITECT

ENGINEER

DRAWN
DATE
CHECKED
APPROVED
PROJECT

A-3

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

Addendum No. 2

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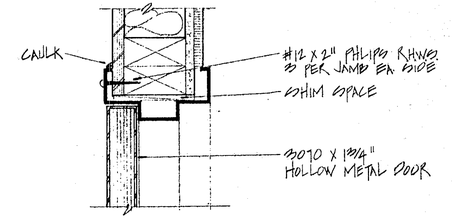
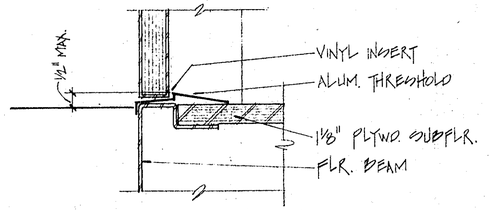
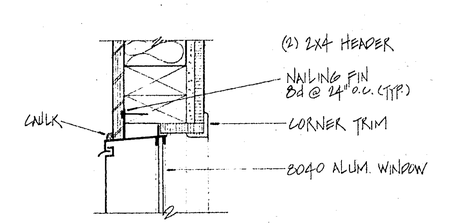


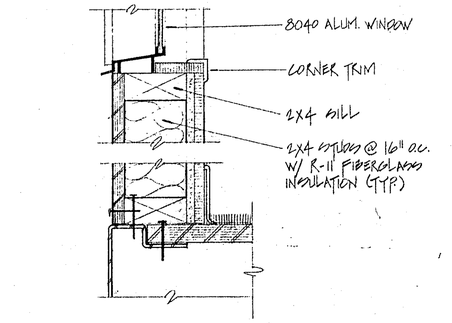
1 / A-4 DOOR HEAD
3" = 1'-0"



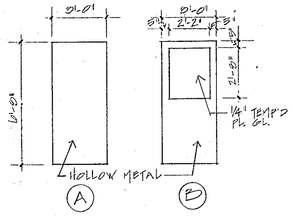
2 / A-4 DOOR SILL
3" = 1'-0"



3 / A-4 WINDOW HEAD
3" = 1'-0"



4 / A-4 WINDOW SILL
3" = 1'-0"



WINDOW SCHEDULE — FOR ALL PROJECTS

NO.	TYPE	SIZE WIDE	SIZE HIGH	FRAME M	FRAME P	DETAILS HEAD	TRANSOM	JAMB	SILL	MULL	GLAZING	COMMENTS
	HORIZ. SLDR	2'-0"	2'-0"	ALUM.	ANOD-IZED						DOUBLE	
	"	2'-0"	1'-6"	"	"	"		"	"		"	
	FIXED	2'-0"	2'-0"	STL	P						1/4" TEMP PL. GL.	

DOOR SCHEDULE — FOR ALL PROJECTS

DOOR NO.	RM. NO.	TYPE	SIZE WIDE	SIZE HIGH	SIZE THICK	CORE	INT. FACE M	INT. FACE P	EXT. FACE M	EXT. FACE P	FRAME M	FRAME P	DETAILS HEAD	DETAILS TRANSOM	DETAILS JAMB	DETAILS THRES.	COMMENTS
0'1		A	3'-0"	6'-8"	1 3/4"	HM	STL	P	STL	P	HM	P	1/A7		2/A7	3/A7	
0'2		A	3'-0"	6'-8"	1 3/4"	HM	STL	P	STL	P	HM	P	4/A7		4/A7		
0'3		D	3'-0"	6'-8"	1 3/4"	HM	STL	P	STL	P	HM	P	4/A7		4/A7		

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
44446
JUN 22 '82
APPLICATION NO.
For [illegible]
PROFESSIONAL STRUCTURAL ENGINEER

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

KINDERGARTEN

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ENGINEER
		DS		

DuPertuis & Hesse
ARCHITECT

RELOCATABLE CLASSROOM, 32' x 40'
FOR
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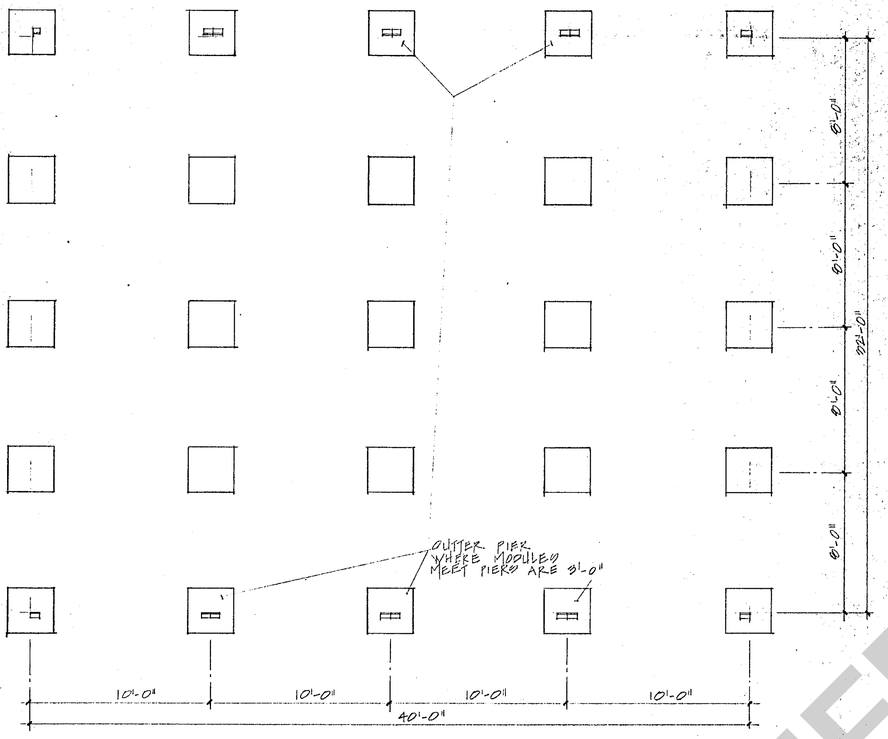
JOHN C. FREMONT SCH.

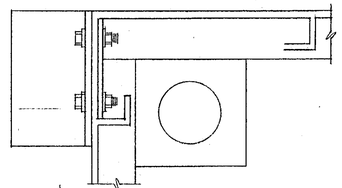
STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

A-4

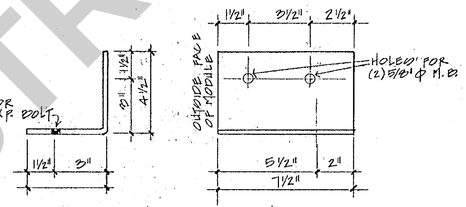
Revised Working Drawings
Addendum No. 2



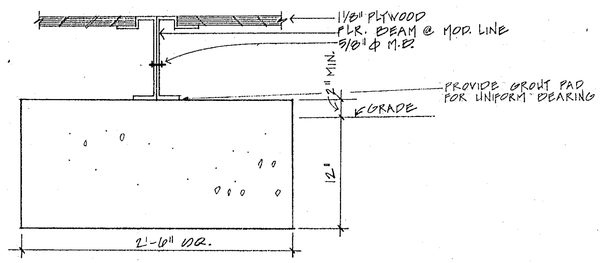
FOUNDATION PLAN



ANCHOR DETAIL @ CORNER
3"=1'-0"



CLIP DETAIL
3"=1'-0"



SECTION DETAIL @ PIER
1½"=1'-0"

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STRUCTURAL SAFETY SECTION
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REVISIONS	DATE

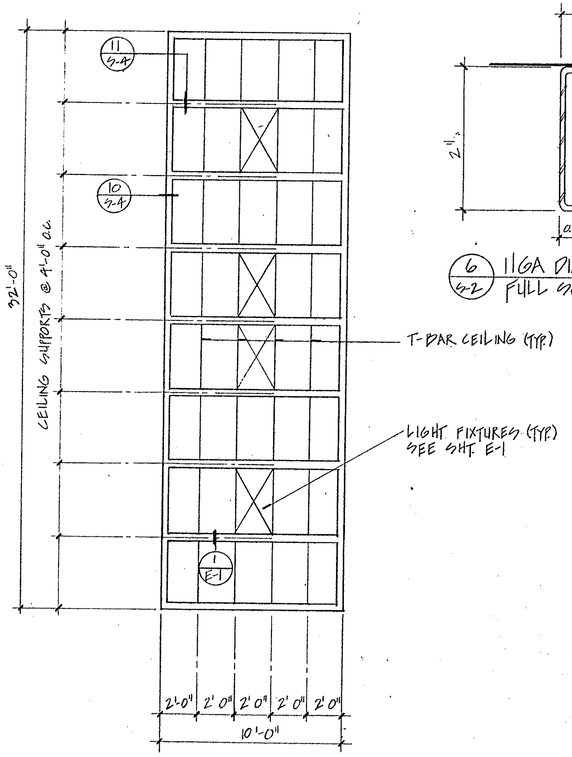
STATE FIRE MARSHAL

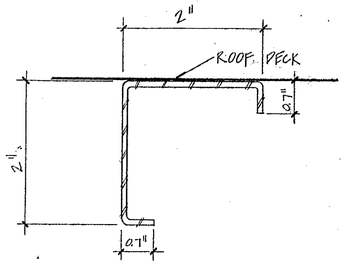
OFFICE OF THE STATE ARCHITECT

DRAWN:
DATE:
CHECKED:
APPROVED:
PROJECT:

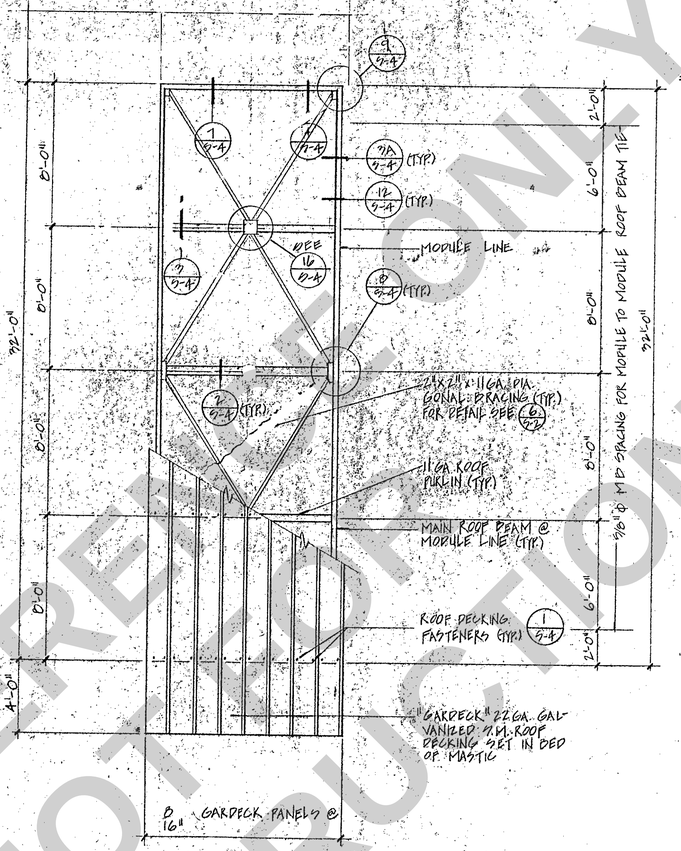
S-1

KRSD 6/30/2024-5 : 04/8/2025
Addendum No. 2

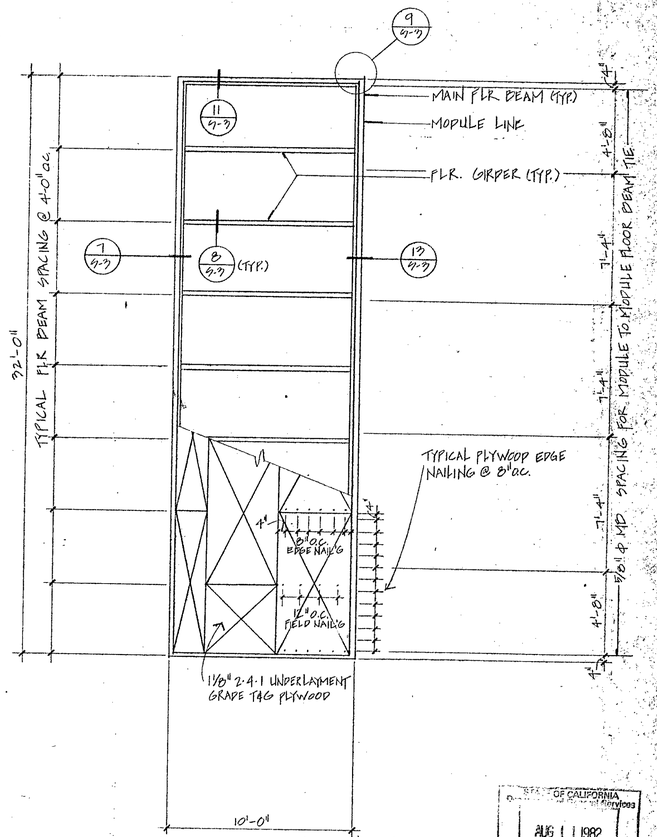




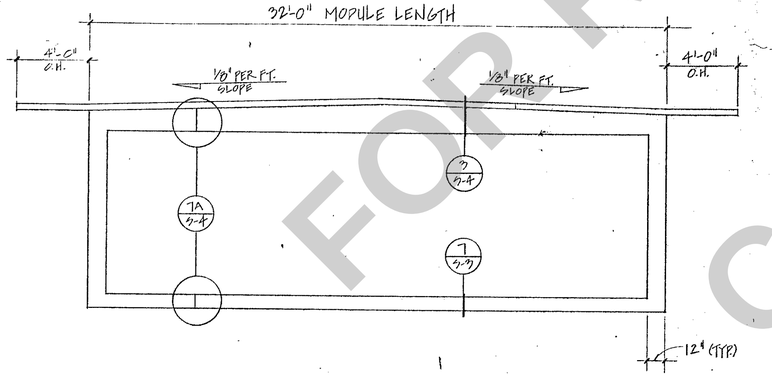
6 / S-2 11GA DIAGONAL BRACING
FULL SCALE



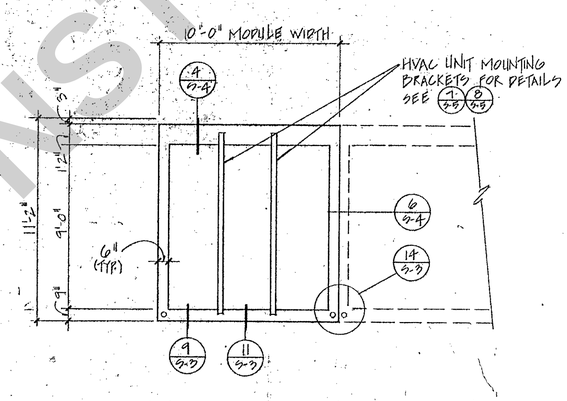
2 / S-2 ROOF FRAMING PLAN
1/4" = 1'-0"



1 / S-2 FLOOR FRAMING PLAN
1/4" = 1'-0"



5 / S-2 EXTERIOR STEEL FRAME ELEVATION 32' WALL
1/4" = 1'-0"
⊥ TO FLOOR GIRDERS



4 / S-2 EXTERIOR STEEL FRAME ELEVATION 10' WALL
1/4" = 1'-0"
|| TO FLOOR GIRDERS)

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FRAMING NOTES:

GENERAL:
1. LIGHT GAGE STEEL SHALL CONFORM TO ASTM A-570 GRADE 36 EXCEPT COLUMNS WHICH SHALL CONFORM TO: ASTM A-570 GRADE 45.
2. BOLTS SHALL CONFORM TO : ASTM A-307.
3. STRUCTURAL STEEL SHALL CONFORM TO: ASTM A-36.
4. 11 GA. SHALL BE .120" MIN. 10 GA. = .1345" MIN. 22 GA. = .0299 MIN.
5. BEND RADIUS OF 11 GA. AND 10 GA. COLD FORMED SECTIONS SHALL BE A MIN. OF 3/16".
6. ALL WELDING SHALL BE INSPECTED FOR REQUIREMENTS OF THE TITLE 21 AND 24 ELECTRODE CLASSIFICATION ASTM A2332-70.
7. ALL EXPOSED WELDS ON CONTACT FACE OF MODULE LINE SHALL BE GROUND FLUSH WITH PARENT METAL.

FLOOR:
1. FLOOR PLYWOOD SHALL BE 2-4-1 GROUP 1 INTERIOR WITH EXTERIOR GLUE.
2. FASTENERS - TEKS OR EQUAL #10x2" SELF-DRILLING SELF-TAPPING SCREWS.

ROOF:
1. PREFORMED METAL ROOF DECK: "GARDECK" OR EQUAL 22 GA. GALV. AND SHALL CONFORM TO ASTM A-570 GRADE 36.
2. FASTENERS #14x3/4" TYPE A SMS. WITH NEOPRENE WASHERS.

STATE OF CALIFORNIA
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

JUN 22 82

DuPertuis & Hesse
ARCHITECT
ENGINEER

KINDERGARTEN

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FOR
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REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT

DRAWN
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S-2

MCSD BID# 2024-5 - 04/02/2025
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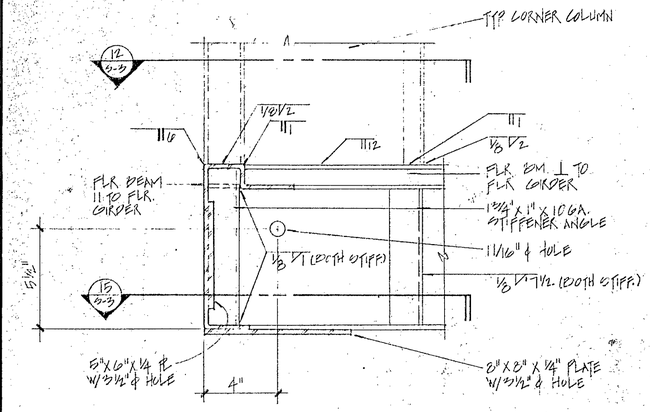
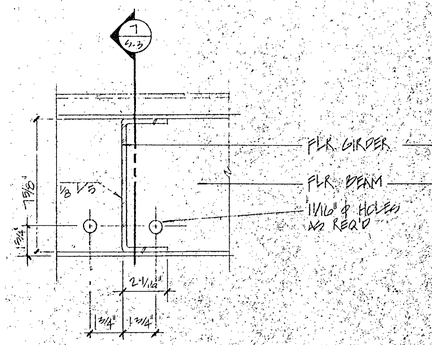
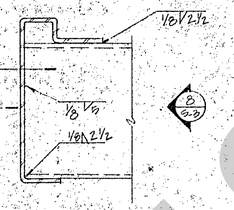


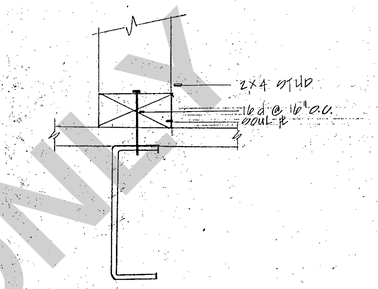
9 / D-23 FLR BEAM TO CORNER COL CONN.
3/4" = 1'-0"



8 / D-23 FLR GIRDER TO FLR. BM. CONN.
3/4" = 1'-0"



7 / D-23 FLR GIRDER TO FLR. BM. CONN.
3/4" = 1'-0"

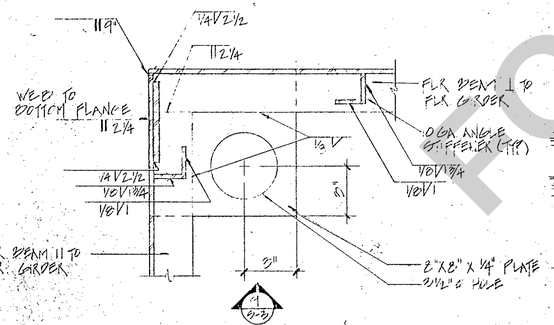


7A INTERIOR WALL TO FLR. PURLIN
D-D
3/4" = 1'-0"

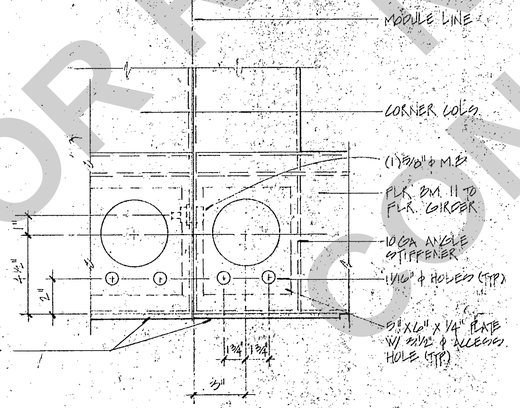
12 / D-23 FLR BEAM TOP FLANGE
3/4" = 1'-0"

11 / D-23 FLR BEAM STIFFENER
3/4" = 1'-0"

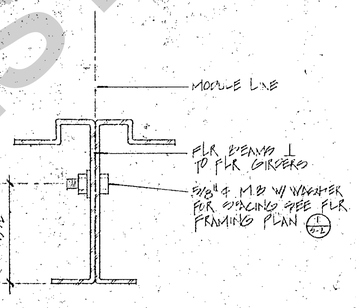
10 / D-23 TYPICAL FLR. BEAM
3/4" = 1'-0"



13 / D-23 FLR BEAM BOTTOM FLANGE
3/4" = 1'-0"



14 / D-23 FLR. BM. ELEV. @ MOD LINE
3/4" = 1'-0"



13 / D-23 FLR. BM. CONN. @ MOD LINE
3/4" = 1'-0"

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
44446
JUN 22 '82
APPLICATION NO.
Per
PRINCIPAL STRUCTURAL ENGINEER

STATE OF CALIFORNIA
Department of General Services
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DuPerfois & Hesse
ARCHITECT
ENGINEER

KINDERGARTEN

RELOCATABLE CLASSROOM, 32' x 40'
FOR
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JOHN C. FREMONT SCH.

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S-3

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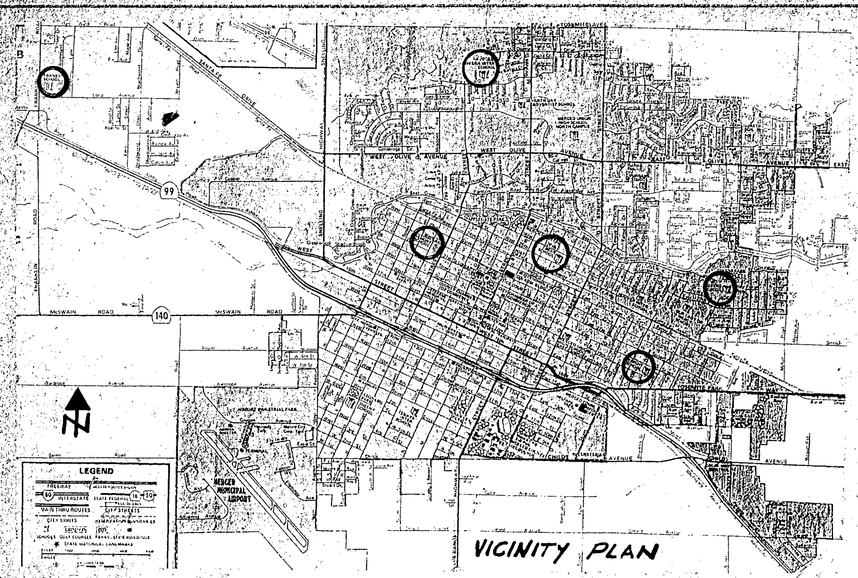
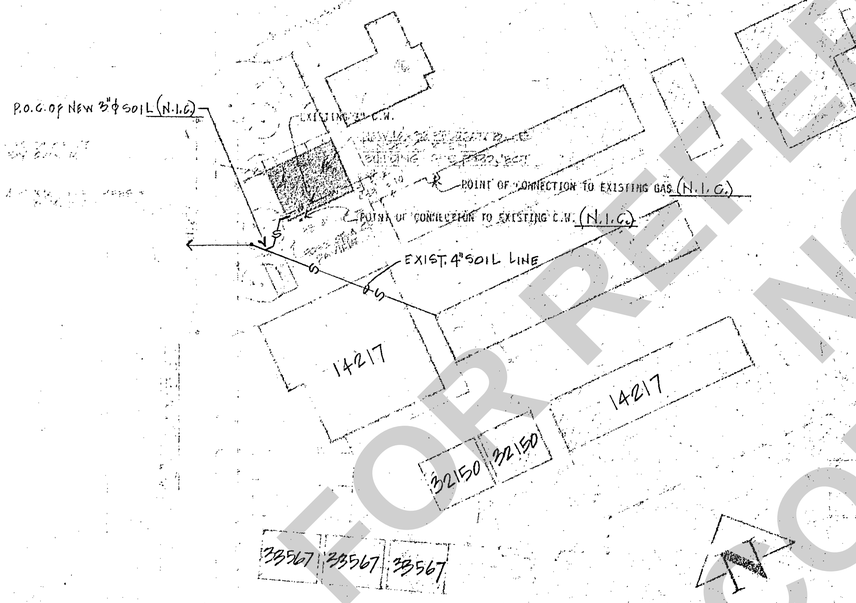


VICINITY PLAN



SITE PLAN SCALE: 1"=50'

PROJECT: FREMONT SCHOOL

LOCAL FIRE AUTHORITY "ACCESS ROAD AND GATE ENTRANCE" APPROVAL.

BY: [signature]

DATE: 6-14-82

FREMONT ELEMENTARY SCHOOL

SOIL TYPE - DARK BROWN SILTY CLAY,
Bearing Cap. 1500 PSF

NEW 21 (±) RELOCATABLE C.R. BUILDINGS (THIS PROJECT)

APPL. # 22-67

NOTE: REUSE CAPPED OFF GAS & WATER LINE HOOK-UPS FROM PREVIOUSLY SERVICING OLD RELOCATABLE THAT WAS MOVED (N.I.C.)

REMOVAL OF EXISTING FOUNDATION AND EXCAVATION OF SITE BY OWNER.

NEW REDWOOD CLOSURE STRIPS BOTH SIDES, EACH END AS CALLED FOR ON OTHER PROJECT PLANS

APPL. # 22-67

PROJECT: RIVERA SCHOOL

LOCAL FIRE AUTHORITY "ACCESS ROAD AND GATE ENTRANCE" APPROVAL.

BY: [signature]

DATE: 6-14-82

INSTALL 1'0 OF COMPACTED AWATER SAND FILL. FILL TO EXTEND 10' BEYOND BUILDING AND AROUND WITH OUTER 6' SLOPED BACK TO EXISTING GRADE (BY OWNER)

NEW BUILDING (N.I.C.) PROJECT

EXIST. 4"ϕ SOIL LINE

NEW BURIED GAS LINES (N.I.C.)

P.O.C. ON NEW 2"ϕ SOIL (N.I.C.)

NEW 2"ϕ SOIL (N.I.C.)

EXIST. 2"ϕ SOIL LINE

NEW 1" C.W. (N.I.C.)

POINT OF CONNECTION TO C.W. (N.I.C.)

33374

29831

29831

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

SITE PLAN SCALE: 1"=50'

RIVERA JR. HIGH SCHOOL

SOIL TYPE - DARK BROWN SILTY CLAY
Bearing Cap. 1500 PSF

N

DATE | DRAWN BY | JOB NUMBER

RELOCATABLE BUILDINGS AS SHOWN
MERCED CITY SCHOOL DISTRICT

DU PERTUIS & HESSE
ARCHITECTS & PLANNERS
3070 G Street Merced California (209) 722-3846

Henry Du Pertuis AIA

Robert L. Hesse AIA

ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

44410

JAN 2

FIRE MARSHAL

FILE AND RETURN

JAN 2

SHEET NUMBER

A

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MCSD BID# 2024-6 04/02/2025
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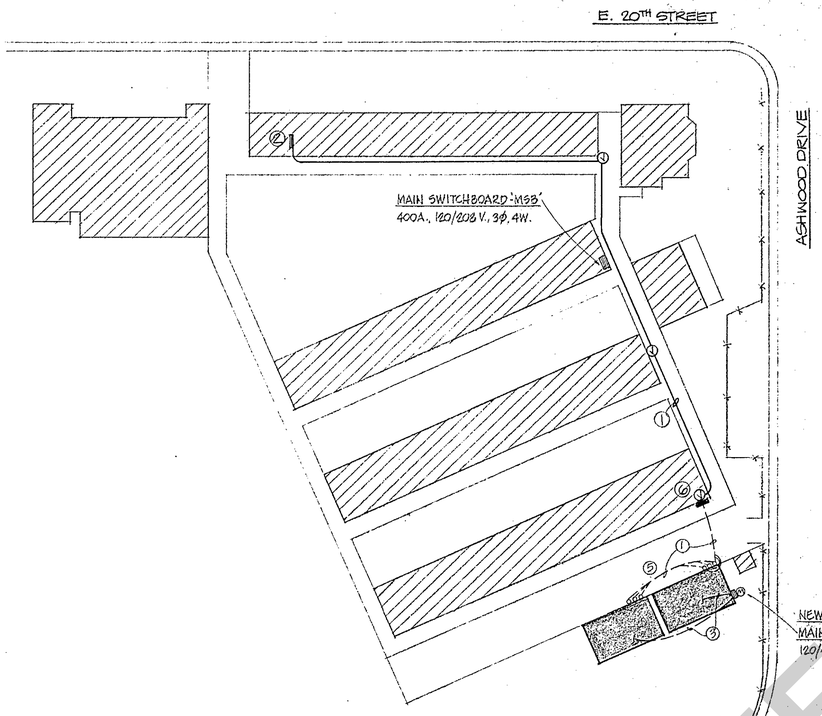
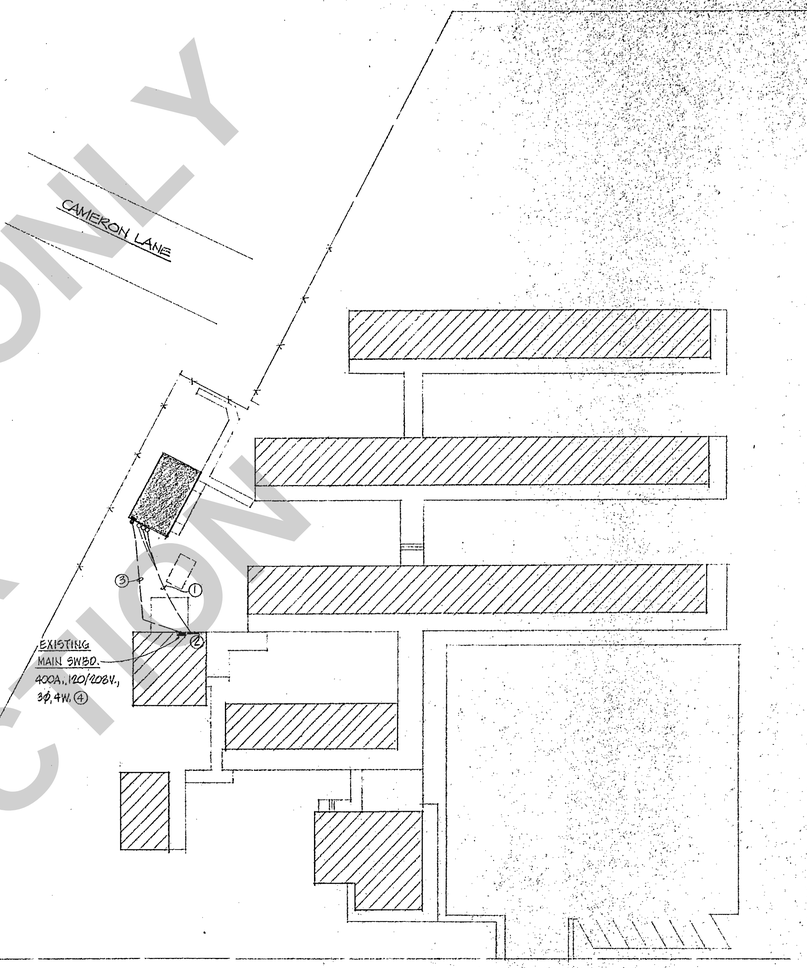


LEGEND:

1. 3-3/4"C W/ CABLE AS REQUIRED.
2. VERIFY LOCATIONS OF NEAREST FIRE ALARM, CLOCK, & INTERCOM CABINETS & EXTEND 1-3/4"C TO EACH.
3. 1¼"C-3"#2, 1"#8 GRND (CU THW) CONNECT TO SUB-PANEL FURNISHED W/ RELOCATABLE CLASSROOM.
4. REPLACE EXISTING 30A/2P CIRCUIT BREAKER W/ NEW 100A/2P & CONNECT AS REQUIRED.
5. EXISTING ASPHALT PAVEMENT TO SAW-CUT & PATCH BY ELECT. CONTR. AS REQ'D.
6. SURFACED MOUNTED IN STORAGE RM.
7. VERIFY & FURNISH & INSTALL IF NOT SO EQUIPPED A 100/2 MAIN CIRC. BREAKER.

ELECTRICAL SYMBOLS

- ——— CONDUIT OVERHEAD
- – – – CONDUIT UNDERGROUND
- o—— CONDUIT STUB-UP
- ▬ ELECTRIC/SIGNAL TERMINAL CABINET
- ④ JUNCTION BOX 12"x12"x4" W/SCREW COVER & TERMINAL STRIP & PLYWOOD BACK.



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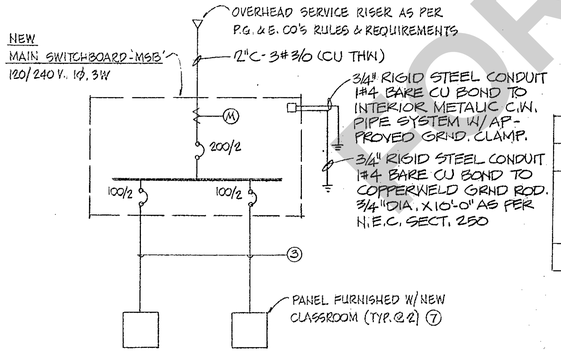
GENERAL NOTES:

1. FURNISH AND INSTALL INTERCOM, CLOCK, P.A. AND FIRE ALARM SYSTEM TO MATCH EXISTING AS REQUIRED. INSTALLATION SHALL BE COMPLETE AND SHALL INCLUDE CABLES, BACKBOXES, INTERCOM, SPEAKERS, CLOCKS AND ANY MODIFICATIONS REQUIRED AT EXISTING MASTERS.
2. EQUIPMENT SUPPLIER OR CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND INFORM HIMSELF AS TO ALL EXISTING CONDITIONS AND LIMITATIONS APPLYING TO THE WORK REQUIRED AND SHALL COORDINATE WORK REQUIRED FOR INSTALLATION WITH ELECTRICAL CONTRACTOR.
3. WHERE CONDUITS ARE SHOWN TO CROSS UNDER EXISTING CONCRETE OR ASPHALT CONCRETE WALKS, THE CONTRACTOR SHALL MAKE NEAT SAW-CUTS AS REQUIRED AND REPAIR SAME UPON COMPLETION OF THE INSTALLATION.
4. ROUTING OF THE CONDUITS SHOWN ON THE PLANS IS SCHEMATIC AND MAY BE ROUTED DIFFERENTLY UPON APPROVAL OF THE ARCHITECT.

CHARLES H. WRIGHT SCHOOL



LINE DIAGRAM

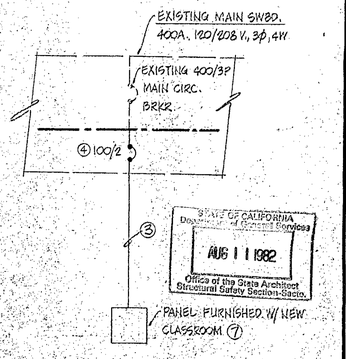
LOAD CALCULATIONS		
PHASE	A	B
LIGHTING	24 A	24 A
CONVENIENCE OUTLET	24 A	24 A
A/C	60 A	60 A
TOTAL	108 A	108 A

ELECTRICAL SITE PLANS

SCALE: 1"=40'0"

ADA. GIVENS SCHOOL

LOAD CALCULATIONS			
PHASE	A	B	C
ESTIMATED EXISTING ELECTRICAL DEMAND	298A	298A	298A
NEW RELOCATABLE CLASSROOM	60A	0	60A
TOTAL	358A	298A	358A



STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

LINE DIAGRAM

DATE	DRAWN BY	ADDITION OF RELOCATABLE CLASSROOMS AT WRIGHT & GIVENS SCHOOLS FOR MERCED CITY SCHOOLS
6-9-82		
JOB NUMBER		

DU PERTUIS & HESSE
ARCHITECTS & PLANNERS
3070 G Street Merced California (209) 722-3346

Henry Du Pertuis AIA
Robert L. Hesse AIA

ENGINEER
EUGENE WU
CONSULTING ELECTRICAL ENGINEER
337 N. BLACKSTONE AVE., FRESNO, CALIF.
TELEPHONE (209) 264-4681

OFFICE of ARCHITECTURE and CONSTRUCTION
OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
4 4 1 8 JUL 22 '82
BY

FIRE MARSHAL

SHEET NUMBER
E-1

PRINTED ON DIEPO NO. 1000H CLEARPRINT 8-69

Addendum No. 2

ELECTRICAL SYMBOLS

- ——— CONDUIT OVERHEAD
- – – – CONDUIT UNDERGROUND
- o— — CONDUIT STUB-UP
- ▬ ELECTRIC/SIGNAL TERMINAL CABINET
- Ⓙ JUNCTION BOX 12" x 12" x 4" W/SCREW COVER & TERMINAL STRIP & PLYWOOD BACK
- ⊠ EXISTING ELECTRICAL U.G. CHRISTY BOX

LEGEND

① 3-3/4"C W/ CABLE AS REQUIRED.

② VERIFY LOCATIONS OF NEAREST FIRE ALARM, CLOCK & INTERCOM CABINETS & EXTEND 1-3/4"C TO EACH.

③ 1 1/2"C-3#2, 1#8 GRND. (CU THW) CONNECT TO SUB-PANEL FURNISHED W/ RELOCATABLE CLASSROOM.

④ REPLACE EXISTING METER/MAIN & DISTRIBUTION PANEL W/NEW FREE STANDING 400A, 120/240V. 1Φ 3W METER/MAIN.

⑤ PROVIDE & INSTALL IN EXISTING 225 AMP, 277/480V. PANEL A 50A/2P BREAKER FOR TRANSFORMER 'TA'.

⑥ VERIFY & FURNISH & INSTALL IF NOT SO EQUIPPED A 100/2 MAIN CIRCUIT BREAKER.

⑦ EXISTING 400 AMP 120/208V. 3Φ 4W DISTRIBUTION PANEL AS MANUFACTURED BY ZINSCO CO. FURNISH & INSTALL A NEW 90/2 CIRCUIT BREAKER FOR CONNECTION TO ③.

⑧ EXISTING 8"x8"x4" WP JUNCTION BOX FOR INTERCOM & CLOCK SYSTEM.

⑨ 1-3/4"C W/ CABLE AS REQUIRED.

⑩ SEE ONE-LINE DIAGRAM BELOW FOR M.S.B. REQUIREMENTS. RETURN EXISTING M.S.B. TO OWNER.

WEST 26TH STREET

EXISTING SIGNAL SYSTEMS AT EXISTING RELOCATABLE CLASSROOMS BEING SERVED, O.H. VERIFY REQUIREMENTS FOR NEW CLASSROOMS AS PER GENERAL NOTES & INSTALL AS REQUIRED.

'Y' STREET

GENERAL NOTES:

FURNISH AND INSTALL INTERCOM, CLOCK, P.A. AND FIRE ALARM SYSTEM TO MATCH EXISTING AS REQUIRED. INSTALLATION SHALL BE COMPLETE AND SHALL INCLUDE CABLES, BACKBOXES, INTERCOM, SPEAKERS, CLOCKS AND ANY MODIFICATIONS REQUIRED AT EXISTING MASTERS.

EQUIPMENT SUPPLIER OR CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND INFORM HIMSELF AS TO ALL EXISTING CONDITIONS AND LIMITATIONS APPLYING TO THE WORK REQUIRED AND SHALL COORDINATE WORK REQUIRED FOR INSTALLATION WITH ELECTRICAL CONTRACTOR. SEE ADDITIONAL NOTES ON SH. 'E-1'

ELECTRICAL SITE PLANS

SCALE: 1"=40'-0"

TRANSFORMER 'TA'
25 KVA, 480V.-120/240V, 1Φ, 3W PAD MT'D. DRY-TYPE W.P. CONCRETE PAD FURNISHED & INSTALLED BY ELEC. CONTRACTOR.

1"C-2"G (CU THW)
1"G CU. GRND.

3/4"C W/ 3/16" POLY PULL LINE

JACK UNDER ALL EXISTING WALK-WAYS

PROVIDE & INSTALL IN EXISTING 225 AMP, 277/480V., PANEL A 50A/2P BREAKER FOR TRANSFORMER 'TA'

DUENA VISTA DRIVE

JOHN MUIR SCHOOL

OVERHEAD SERVICE RISER INSTALLED AS PER P.G. & E. CO'S RULES & REQUIREMENTS.

3"C-3#500 MCM (CU THW)

MAIN SWITCHBOARD-'MSB'

GROUND BUS

1" RIGID STEEL CONDUIT, 1#1/0 CU BOND TO INTERIOR METALLIC C.W. PIPE W/ APPROVED GRND CLAMP.

400/2

1" RIGID STEEL CONDUIT, 1#1/0 CU BOND TO 3/4"x10'-0" CU. COATED GRND ROD AS PER N.E.C. SECT. 250.

70/2 70/2 70/2 70/2 100/2 100/2

RECONNECT EXISTING FEEDERS TO NEW CIRC. BREAKERS FURNISHED W/ NEW MAIN SWBD. AS REQ'D. (TYP. @ 4)

PANEL FURNISHED W/ NEW CLASSROOM ⑥

LINE DIAGRAM

36"

METER

WP ENCLOSURE

MAIN CIRC. BRKR.

BRANCH CIRC. BRKR.

1/2" DIA. ANCHOR BOLTS (TYP. @ 4)

FRONT

25"

90"

6"

CONCRETE PAD, FURNISHED & INSTALLED BY ELECT. CONTR.

SIDE

MAIN SWITCHBOARD DETAIL

SCALE: 1/2" = 1'-0"

RIVERA JUNIOR HIGH SCHOOL

LOAD CALCULATIONS

PHASE	A	B	C
ESTIMATED EXISTING ELECTRICAL DEMAND	96 A	96A	96 A
NEW RELOCATABLE CLASSROOM	48 A	48A	0
TOTAL	144A	144A	96A

EXISTING 225/3P MAIN BREAKER

50/2

1"C-2#6, 1#6 GRND. (CU THW)

TRANSFORMER 'TA'

3/4" RIGID STEEL CONDUIT, 1#6 CU BOND TO 3/4"x10'-0" CU COATED GRND. ROD.

PANEL FURNISHED W/ NEW CLASSROOM. ⑫

EXISTING 225 AMP 277/480V. PANEL

LINE DIAGRAM

STATE OF CALIFORNIA Department of Public Works
AUG 1 1 1982
Office of the State Architect Structural Safety Section

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

DATE	DRAWN BY	ADDITION OF RELOCATABLE CLASSROOMS AT MUIR & RIVERA JR. SCHOOLS FOR:	SHEET NUMBER
6-9-82		MERCED CITY SCHOOLS	E-2
JOB NUMBER			

DU PERTUIS & HESSE
ARCHITECTS & PLANNERS
3070 G Street Merced California (209) 722-3346

Henry Du Pertuis AIA
Robert L. Hesse AIA

ENGINEER
EUGENE WU
CONSULTING ELECTRICAL ENGINEER
337 N. BLACKSTONE AVE., FRESNO, CALIF.
TELEPHONE (209) 264-9681

OFFICE of ARCHITECTURE and CONSTRUCTION
APPROVED BY THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
44448 JUL 22 '82

FIRE MARSHAL
JUN 2

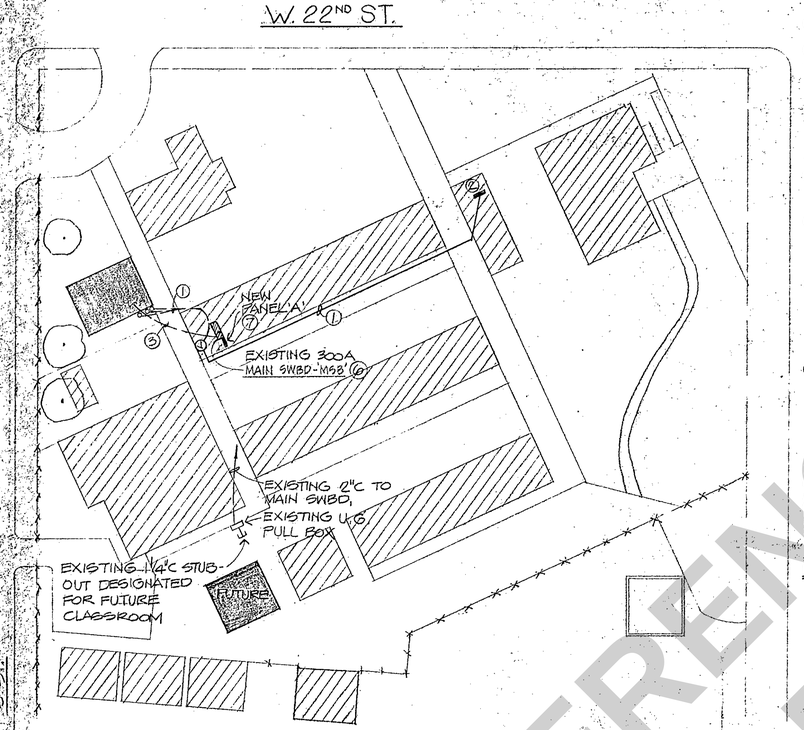
PRINTED ON DIAPO NO. 1000H CLEARPRINT - 8-69

MCSD Bldr 2024-5 04/02/24
Addendum No. 2

GENERAL ELECTRICAL NOTES:

1. IT IS THE INTENTION OF THE PLANS AND SPECIFICATIONS TO COVER ALL THINGS NECESSARY TO MAKE COMPLETE AND OPERATIVE SYSTEMS. ELECTRICAL CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, TRANSPORTATION; EQUIPMENT, MISC. SERVICES, ETC., REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER SPECIFICALLY SHOWN OR MENTIONED. THE ENGINEER WILL GIVE ANY INTERPRETATION NECESSARY FOR THE CONTRACTOR TO PROPERLY ESTIMATE THE JOB.
2. VISIT SITE, TAKE MEASUREMENTS, AND GATHER SUCH OTHER INFORMATION AS MAY BE NECESSARY FOR AN INTELLIGENT BID. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE FOR ANY OMISSION OR ERROR ON THE PART OF THE BIDDER IN THIS CONNECTION.
3. ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE; TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE; SAFETY ORDERS OF INDUSTRIAL ACCIDENT COMMISSION, STATE OF CALIFORNIA AND OTHER APPLICABLE STATE AND LOCAL LAWS OR RULES, REGULATIONS, ORDINANCES AND STATUTES OF LEGALLY AUTHORIZED REGULATORY AGENCIES. NOTHING IS THESE PLANS AND SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.
4. POWER SERVICE ARRANGEMENTS SHOWN ARE FOR GENERAL BIDDING PURPOSES ONLY. ELECTRICAL CONTRACTOR SHALL VERIFY WITH UTILITY COMPANY PRIOR TO BID AND SHALL INCLUDE ALL LABOR AND MATERIALS AND CHARGES AS REQUIRED BY UTILITY COMPANY WHETHER SO SHOWN ON DRAWINGS OR NOT. NO ALLOWANCE WILL BE SUBSEQUENTLY MADE FOR EXTRA WORK RESULTING FROM FAILURE OF THE CONTRACTOR TO BE ACQUAINTED WITH ALL AVAILABLE INFORMATION CONCERNING UTILITY COMPANIES REQUIREMENTS NECESSARY TO ESTIMATE THE COST OF THE ELECTRICAL WORK.
5. PROVIDE, PROCURE, AND PAY FOR ALL PERMITS, LICENSES AND FEES REQUIRED TO CARRY ON AND COMPLETE THIS WORK.
6. FURNISH AND INSTALL CONDUIT AND WIRING SYSTEM SHOWN. ALL CONDUIT RUNS SHOWN ARE DIAGRAMMATIC. EXACT ROUTING SHALL BE GOVERNED BY THE BUILDING STRUCTURES AND EQUIPMENT SERVED.
7. ALL WIRES SHALL BE COPPER, 600-VOLTS, MINIMUM NO. 12 AWG, UNLESS OTHERWISE SPECIFIED. NO. 8 AWG AND BELOW SHALL BE TYPE TW, SIZE LARGER THAN NO. 8 AWG SHALL BE TYPE THW.
8. THE ELECTRICAL CONTRACTOR SHALL GUARANTEE TO REPAIR AND REPLACE AT HIS EXPENSE ANY MATERIAL OR EQUIPMENT THAT DEVELOPS DEFECTS DUE TO WORKMANSHIP DURING A PERIOD OF ONE YEAR AFTER WORK IS ACCEPTED BY OWNER.

JOHN C. FREMONT SCHOOL



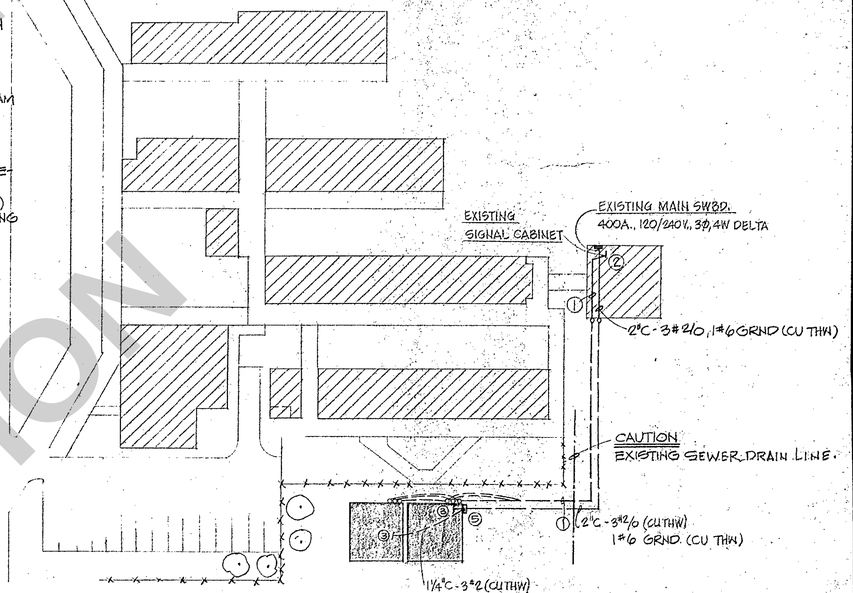
LEGEND

1. 3-¾"C W/ CABLE AS REQUIRED.
2. VERIFY LOCATIONS OF NEAREST FIRE ALARM CLOCK, & INTERCOM CABINETS & EXTEND 1-¾"C TO EACH
3. 1½"C-3#2, 1#8 GRND (CU THW) CONNECT TO SUB-PANEL FURNISHED W/ RELOCATABLE CLASSROOM.
4. VERIFY & FURNISH & INSTALL IF NOT SO EQUIPPED A 100/2 MAIN CIRCUIT BREAKER.
5. FURNISH & INSTALL NEW 200AMP 120/240V 1Φ, 3W DISTRIBUTION PANEL WITH 150/2 MAIN BREAKER IN NP CABINET.
6. FURNISH & INSTALL NEW 400 AMP 120/240 V 1Φ 3W M.S.B. WITH DISTRIBUTION SECTION TO REPLACE EXISTING. SEE ONE LINE DIAGRAM BELOW FOR M.S.B. REQUIREMENTS. RETURN EXISTING M.S.B. TO OWNER.
7. FURNISH & INSTALL NEW 100AMP. 120/240V 1Φ 3W 24 CKT. SURF. MTD. SUB-PANEL TO REPLACE EXISTING DISTRIBUTION SUB-PANEL 'A' (LOCATED IN & PART OF EXISTING M.S.B.) CONNECT TO NEW M.S.B. & RECONNECT EXISTING DISTRIBUTION CKTS AS REQUIRED.

ELECTRICAL SYMBOLS

- CONDUIT OVERHEAD
- CONDUIT UNDERGROUND
- CONDUIT STUB-UP
- ELECTRIC/SIGNAL TERMINAL CABINET
- (J) JUNCTION BOX 12" x 12" x 4" W/SCREW COVER & TERMINAL STRIP & PLYWOOD BACK

FRANKLIN ELEMENTARY SCHOOL

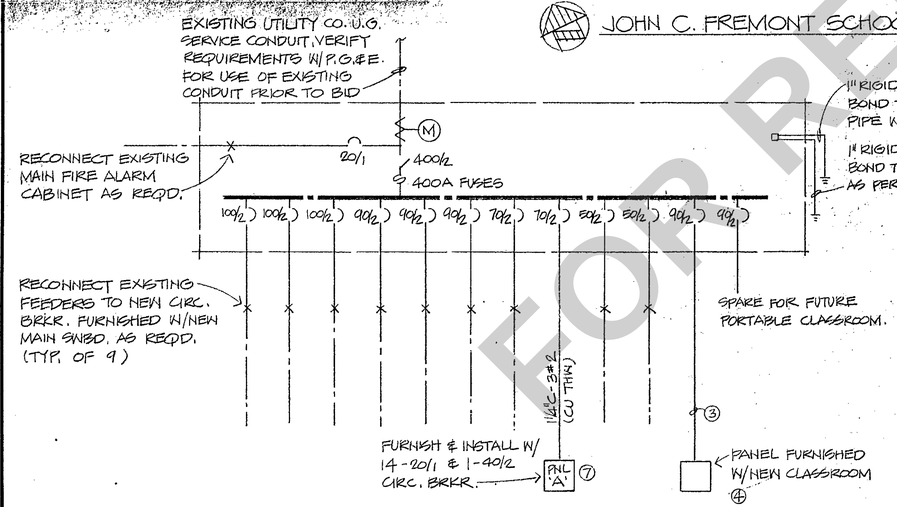


GENERAL NOTES:
FURNISH AND INSTALL INTERCOM, CLOCK, P.A., AND FIRE ALARM SYSTEM TO MATCH EXISTING AS REQUIRED. INSTALLATION SHALL BE COMPLETE AND SHALL INCLUDE CABLES, BACKBOXES, INTERCOM, SPEAKERS, CLOCKS AND ANY MODIFICATIONS REQUIRED AT EXISTING MASTERS. EQUIPMENT SUPPLIER OR CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND INFORM HIMSELF AS TO ALL EXISTING CONDITIONS AND LIMITATIONS APPLYING TO THE WORK REQUIRED AND SHALL COORDINATE WORK REQUIRED FOR INSTALLATION WITH ELECTRICAL CONTRACTOR.

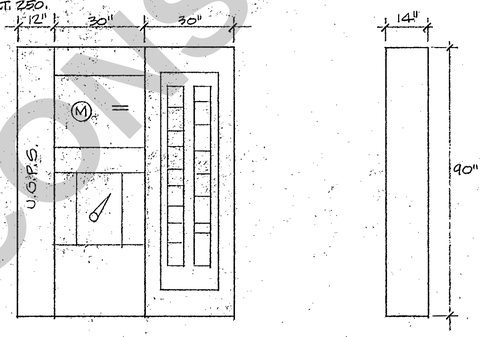
SEE ADDITIONAL NOTES ON SHEET E-1

ELECTRICAL SITE PLANS

SCALE: 1"=40'-0"



LINE DIAGRAM

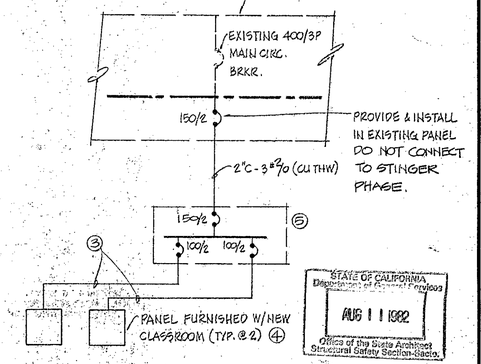


NEW MAIN SWBD DETAIL

SCALE: ½"=1'-0"

LOAD CALCULATIONS

PHASE	A	B	C
ESTIMATED EXISTING ELECTRICAL DEMAND	143A	50A	143A
NEW RELOCATABLE CLASSROOM	108A	0	108A
TOTAL	251A	50A	251A



STATE OF CALIFORNIA Department of General Services
AUG 11 1982
Office of the State Architect Structural Safety Section-Sacto.

LINE DIAGRAM

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

DATE	DRAWN BY	ADDITION OF RELOCATABLE CLASSROOMS AT FREMONT & FRANKLIN SCHOOLS FOR MERCED CITY SCHOOLS
6-9-82		
JOB NUMBER		

DU PERTUIS & HESSE
ARCHITECTS & PLANNERS
3070 G Street Merced California (209) 722-3346

Henry Du Pertuis AIA
Robert L. Hesse AIA

ENGINEER
EUGENE WU
CONSULTING ELECTRICAL ENGINEER
337 N. BLACKSTONE AVE., FRESNO, CALIF.
TELEPHONE (209) 264-4681

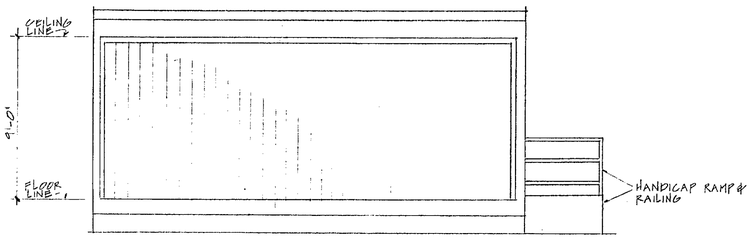
OFFICE of ARCHITECTURE and CONSTRUCTION
OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
44146 JUN 22 82

FIRE MARSHAL

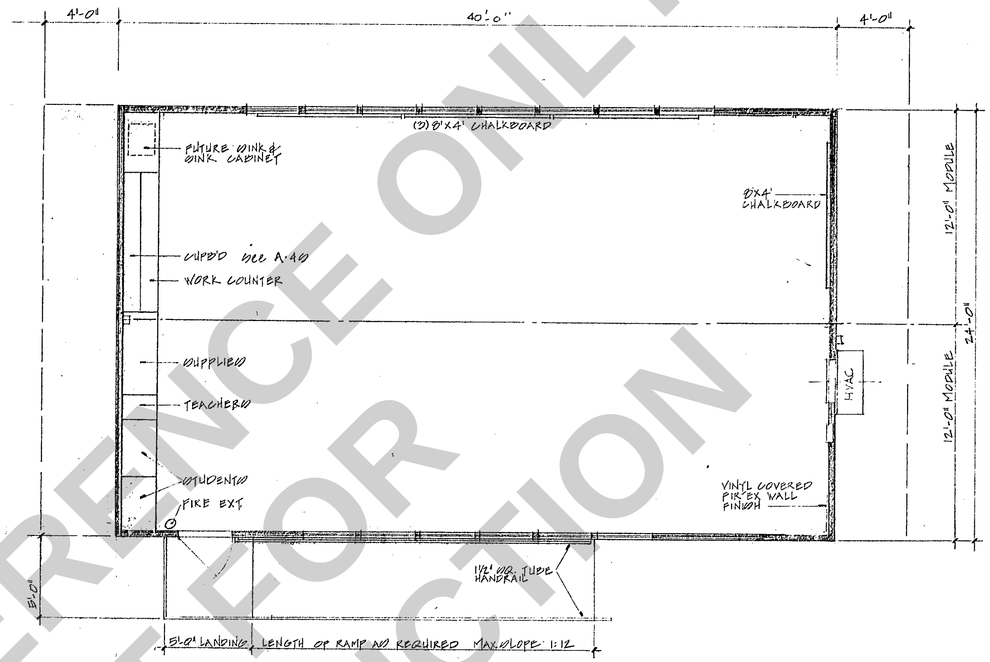
SHEET NUMBER E-3

PRINTED ON DIEPO NO. 1000H CLEARPRINT 5-69

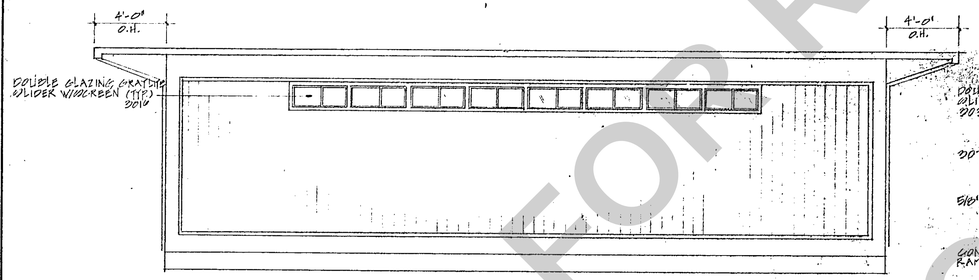
MCSD BID# 2024-5 – 04/02/2024
Addendum No. 2



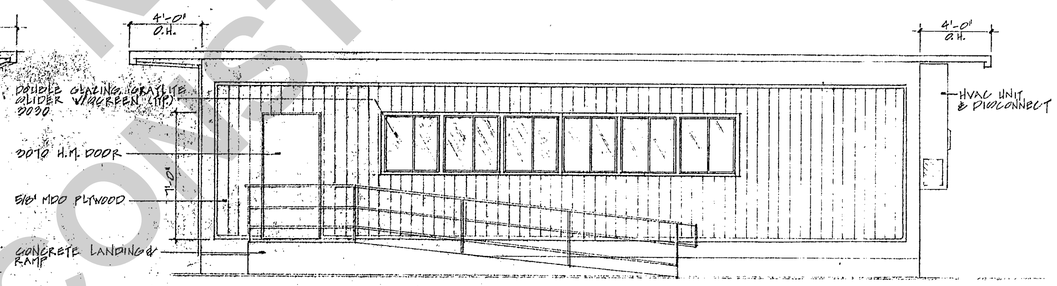
LEFT ELEVATION
1/4"=1'-0" RIGHT SIDE



FLOOR PLAN
1/4"=1'-0"



REAR ELEVATION
1/4"=1'-0"



FRONT ELEVATION
1/4"=1'-0"

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STATE OF CALIFORNIA
Department of General Services
AUG 11 1982

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

JUN 22 '82

REVISIONS	DATE

STATE FIRE MARSHAL

OFFICE OF THE STATE ARCHITECT

Dr. Louis A. Henry
ARCHITECT

ENGINEER

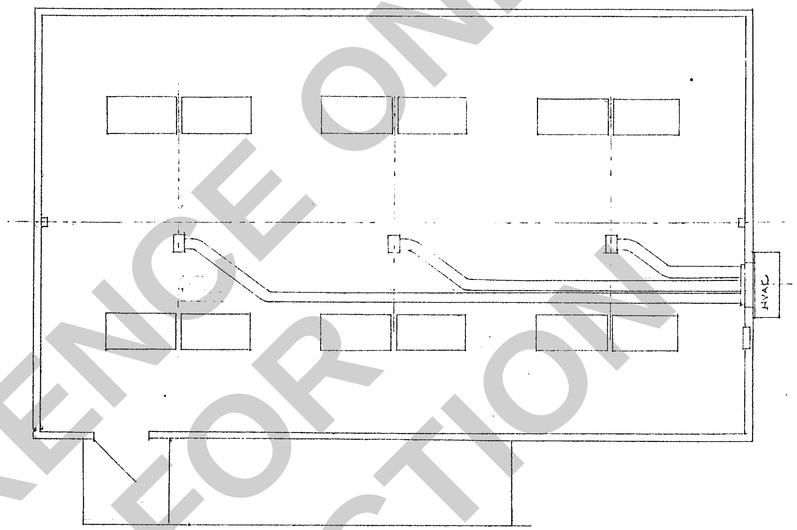
FRANKLIN ELEM. OCH. (2)
CHARLES H. WRIGHT (2)
ADA GIVENS SCH. (1)
JOHN MUIR OCH (1)
RIVERA JR. HIGH (1)

RELOCATABLE CLASSROOM, 24'x40'
FOR
MERCED CITY SCH. DIST.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

A-2A



AIR CONDITIONING PLAN

FOR REFERENCE ONLY
NOT FOR
CONSTRUCTION

AUG 11 1982
OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
#4113
JUN 22 '82
Per

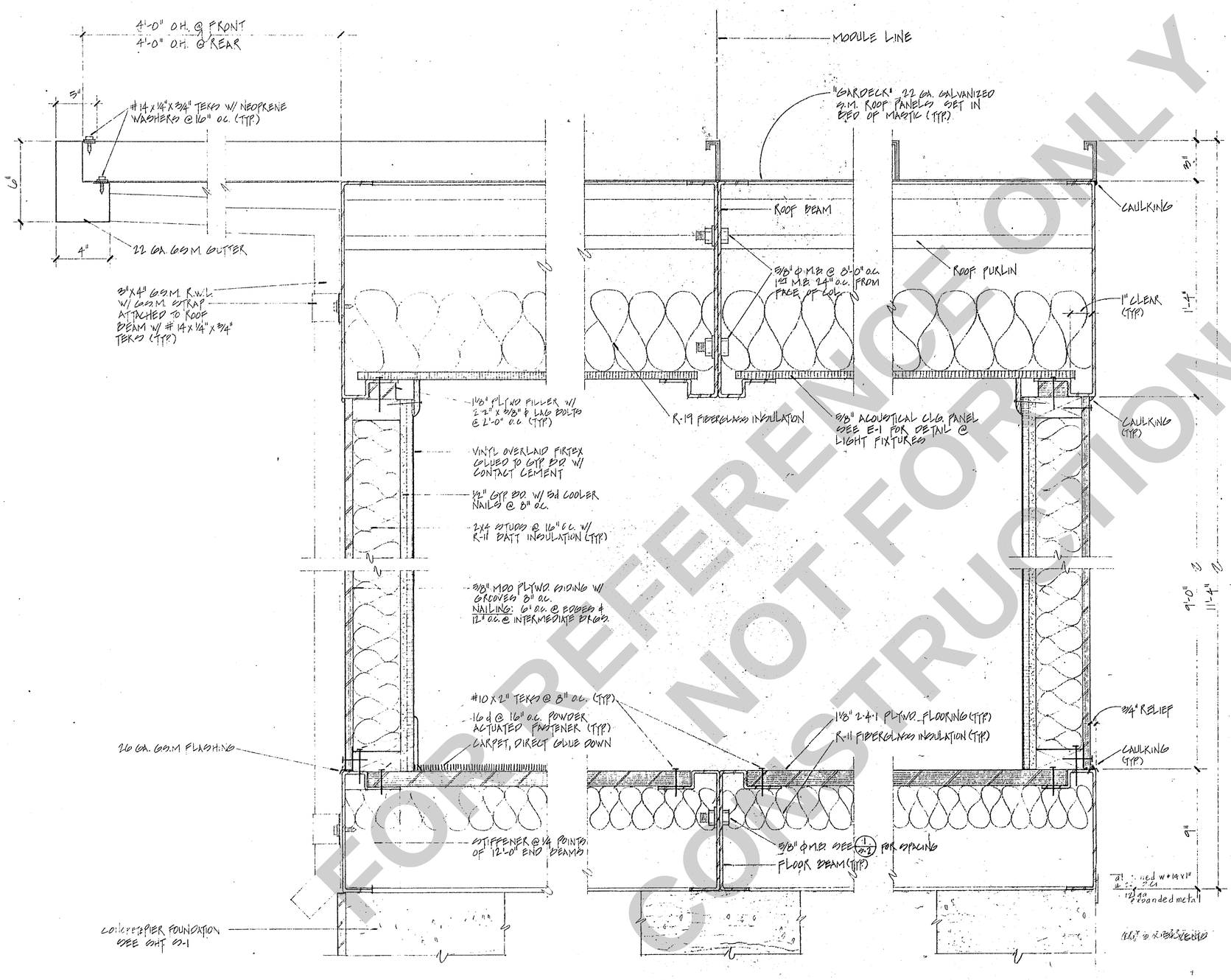
REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ARCHITECT / ENGINEER	
		DSA		DuPartois & Hesse / ARCHITECT ENGINEER	FRANKLIN ELEM. OCH. CHARLES H. WRIGHT ADA GIVENS OCH. JOHN MUIR OCH. RIVERA JR. HIGH OCH.

RELOCATABLE CLASSROOM FOR
MERCED CITY OCH. DIST.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

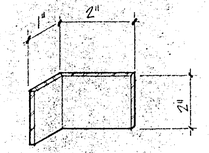
A-213.0



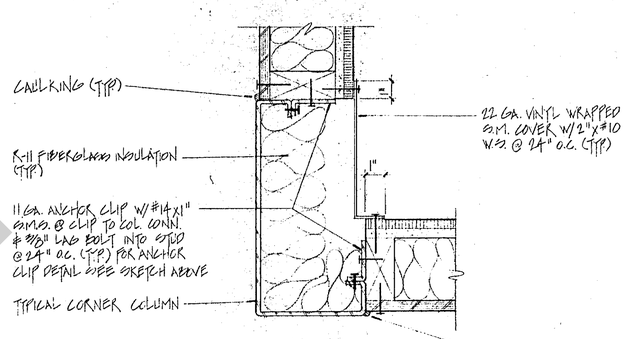
3 / A-3 SECTION ⊥ TO FLR. GIRDER
3" = 1'-0"

4 / A-3 SECTION @ MODULE LINE
3" = 1'-0"

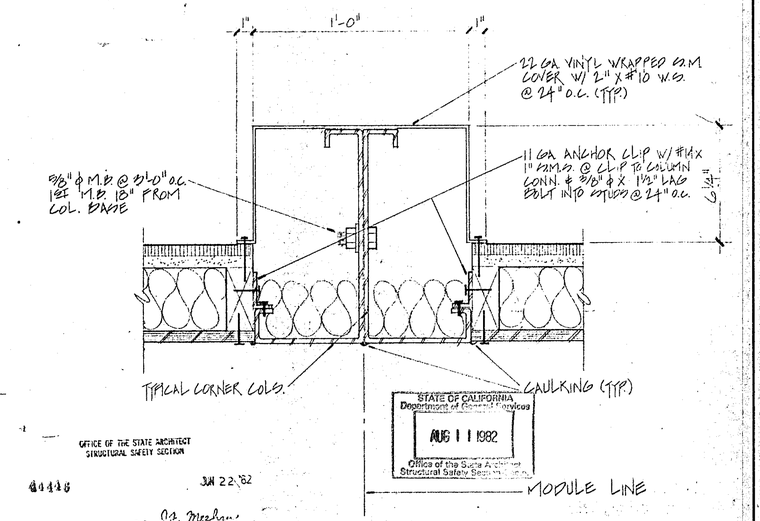
3 / A-3 SECTION ∥ TO FLR. GIRDER
3" = 1'-0"



11 GA. ANCHOR CLIP
(NOT TO SCALE)



1 / A-3 PLAN SECTION - CORNER COLUMN
3" = 1'-0"



2 / A-3 PLAN SECTION - MODULE LINE COL.
3" = 1'-0"

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

REVISIONS	DATE

STATE FIRE MARSHAL: B

OFFICE OF THE STATE ARCHITECT

ARCHITECT

ENGINEER

FRANKLIN ELEM. SCH. (2)
CHARLES H. WRIGHT SCH. (2)
A.A. LYONS SCH. (1)
JOHN MUIR SCH. (1)
RIVERA JR. HIGH SCH. (1)

RELOCATABLE CLASSROOM, 24 x 40
FOR
MERCED CITY SCH. DIST.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

A-3

FOR REFERENCE ONLY
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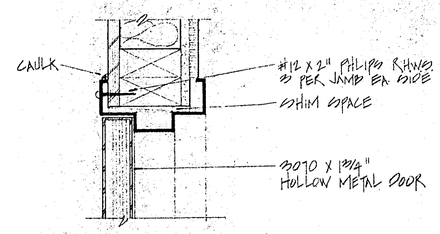
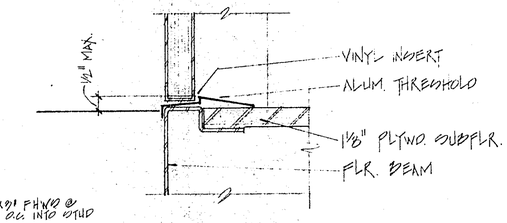
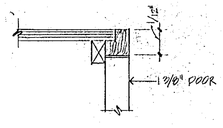


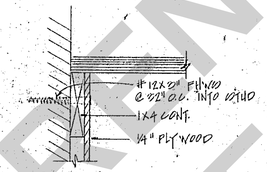
1 A-4 DOOR HEAD
3" = 1'-0"



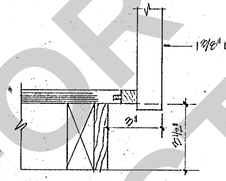
2 A-4 DOOR SILL
3" = 1'-0"



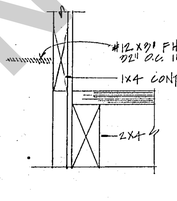
CABINET SECTION 9 A-4
3" = 1'-0"



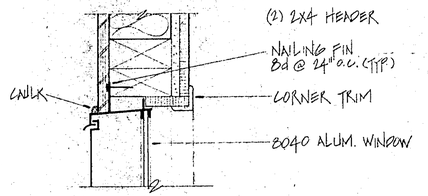
CABINET SECTION 10 A-4
3" = 1'-0"



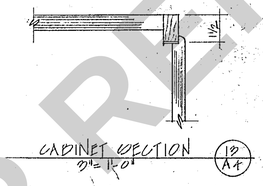
CABINET SECTION 11 A-4
3" = 1'-0"



CABINET SECTION 12 A-4



3 A-4 WINDOW HEAD
3" = 1'-0"



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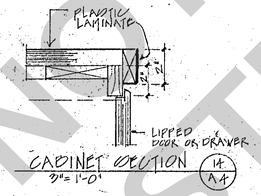
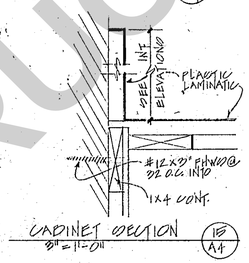
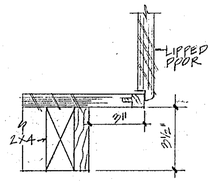
3" = 1'-0"



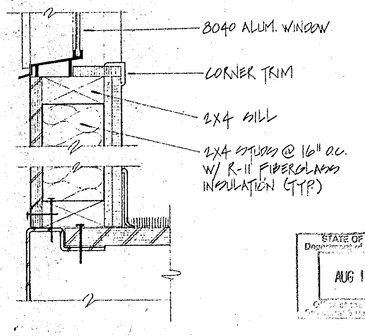
CABINET SECTION 14 A-4
3" = 1'-0"



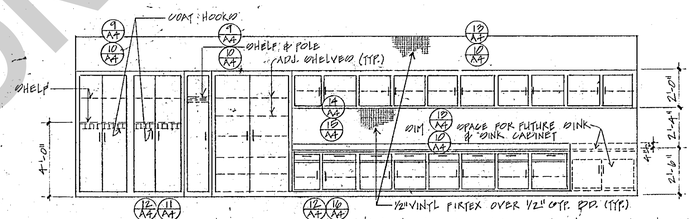
CABINET SECTION 15 A-4
3" = 1'-0"



CABINET SECTION 16 A-4



4 A-4 WINDOW SILL
3" = 1'-0"



EAST ELEVATION — FRANKLIN & WRIGHT SCHOOLS (NO SHOWN)
WEST ELEVATION — MUIR SCHOOL (NO SHOWN)
WEST ELEVATION — BURBANK SCHOOL (OPPOSITE HAND)

STATE OF CALIFORNIA
Department of Public Works
AUG 11 1982

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

JUN 22 '82

APPLICATION NO. 41116

For O.T. Meehan
PRINCIPAL STRUCTURAL ENGINEER

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT
		DS	

DeFeudis & Hesse
ARCHITECT

ENGINEER

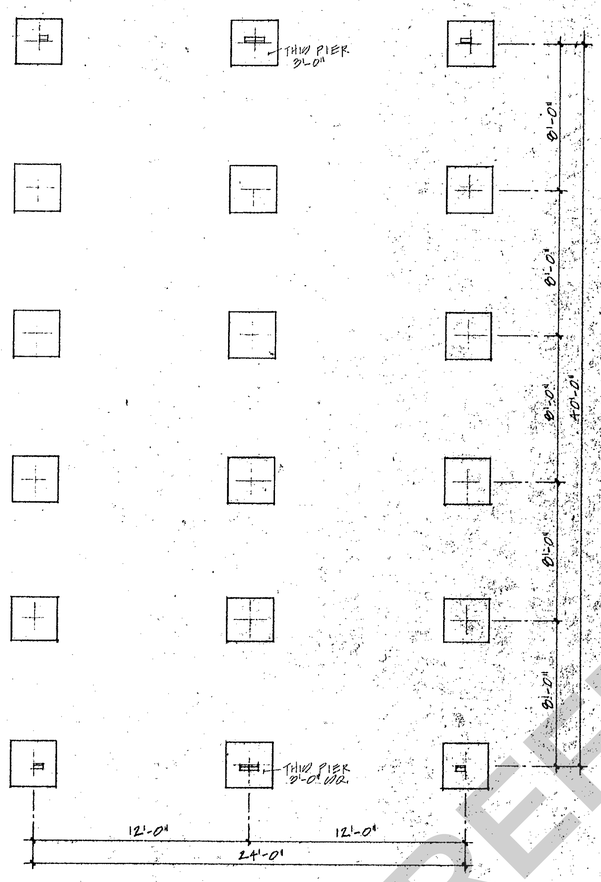
FRANKLIN ELEM. SCH: (2)
CHARLES H. WRIGHT (2)
ALTA VISTA K-8 (1)
JOHN MUIR SCH: (1)
RIVERA JR. HIGH SCH. (1)

RELOCATABLE CLASSROOM, 24'x40'
FOR
MERCED CITY SCH. DIST.

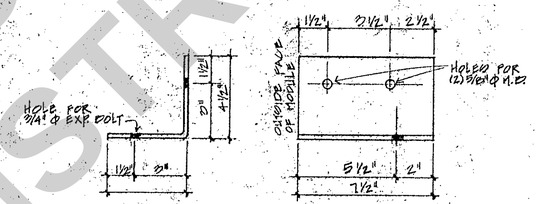
STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

A-4

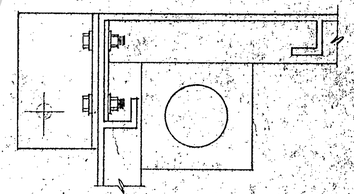
MCSD BID# 2024-5 04/02/2024
Alternate #2



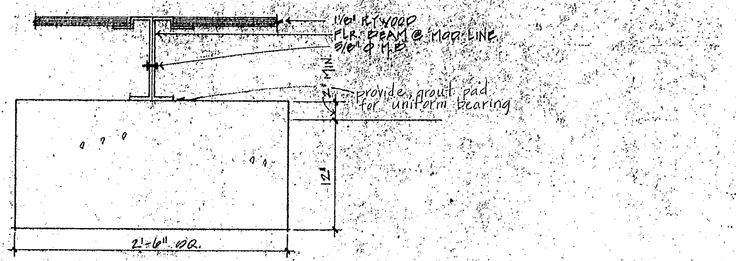
FOUNDATION PLAN
1/4"=1'-0"



CLIP DETAIL
3"=1'-0"



ANCHOR DETAIL @ CORNER
3"=1'-0"



SECTION DETAIL @ PIER
1½"=1'-0"

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STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
94118
APPLICATION NO.
JUN 22 '82
Per
FIELD STRUCTURAL SAFETY ENGINEER

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT

DeDeMuis & Hesse
ARCHITECT

ENGINEER

FRANKLIN ELEM SCH.	(2)
CHARLES H. WRIGHT	(2)
ADA GIVENS SCH	(1)
JOHN MUIR SCH.	(1)
RIVERA JR. HIGH	(1)

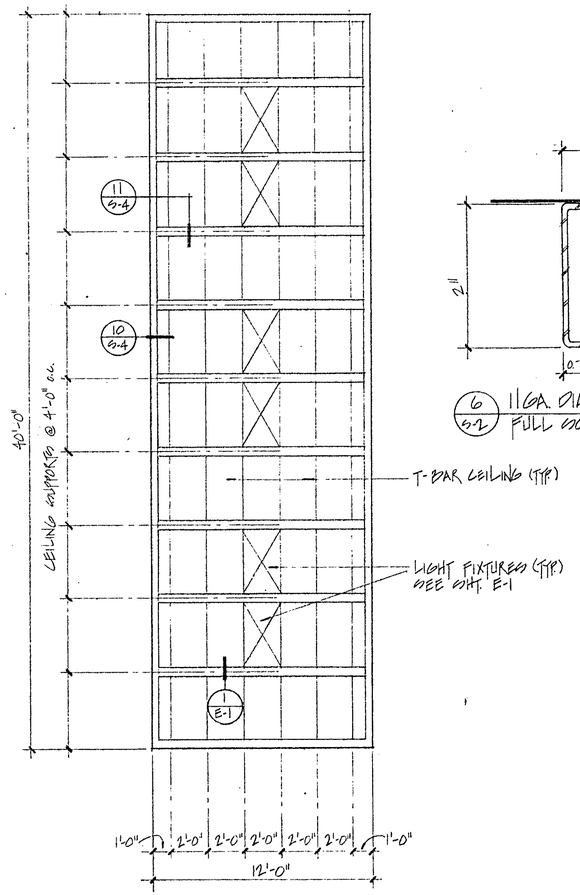
RELOCATABLE CLASSROOM, 24'x40'
FOR
MERCED CITY SCH. DIST.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

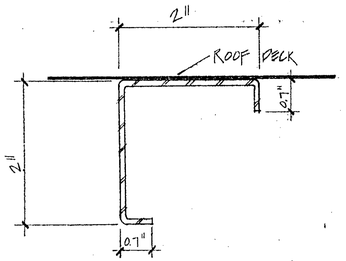
DRAWN
DATE
CHECKED
APPROVED
PROJECT

S-1.0

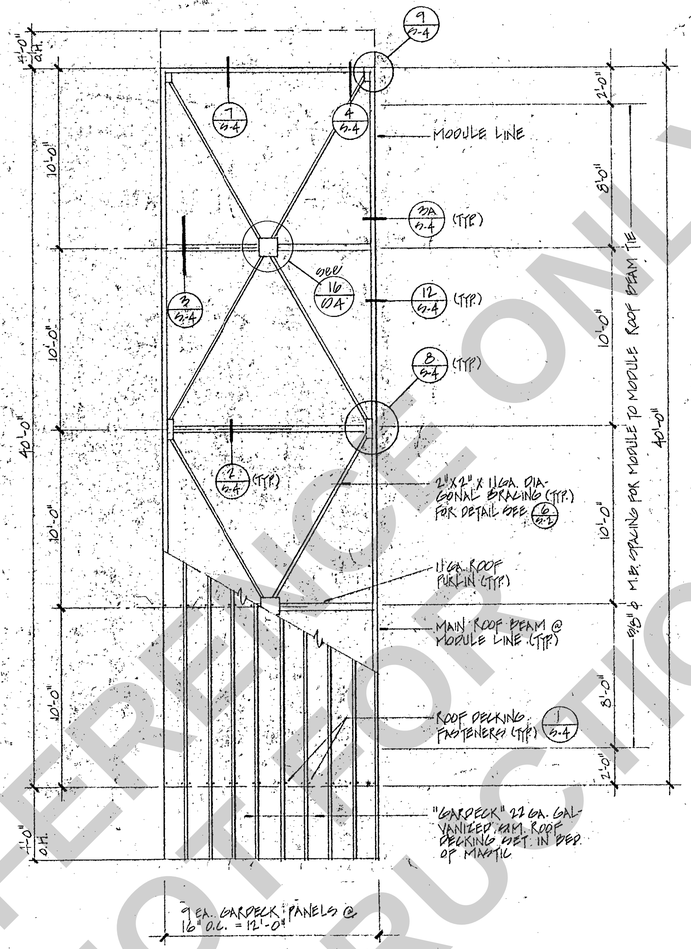
Addendum No. 2



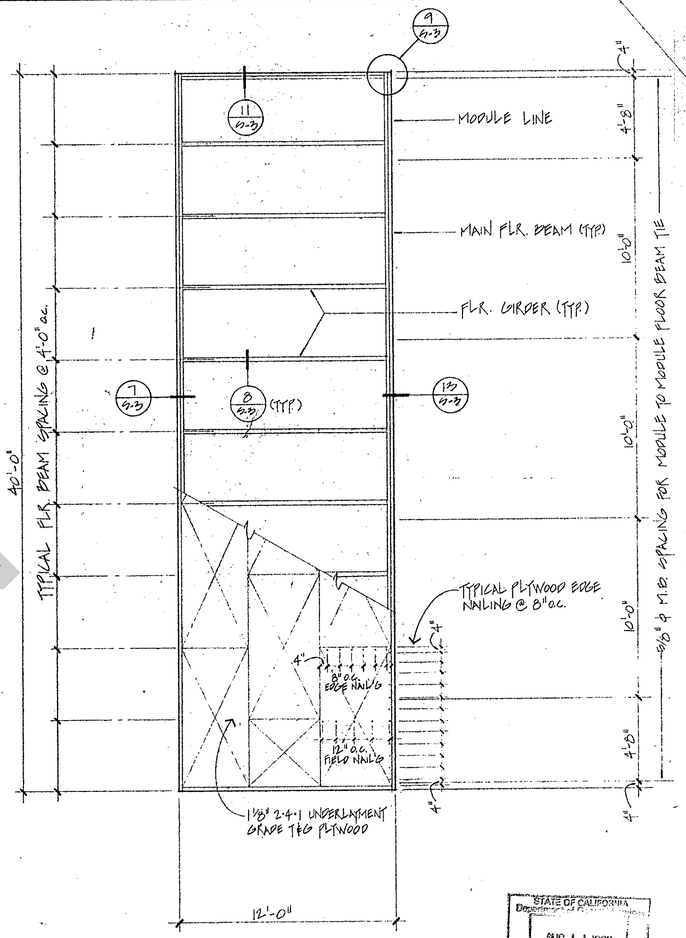
3 / D-2 REFLECTED CEILING PLAN
1/4" = 1'-0"



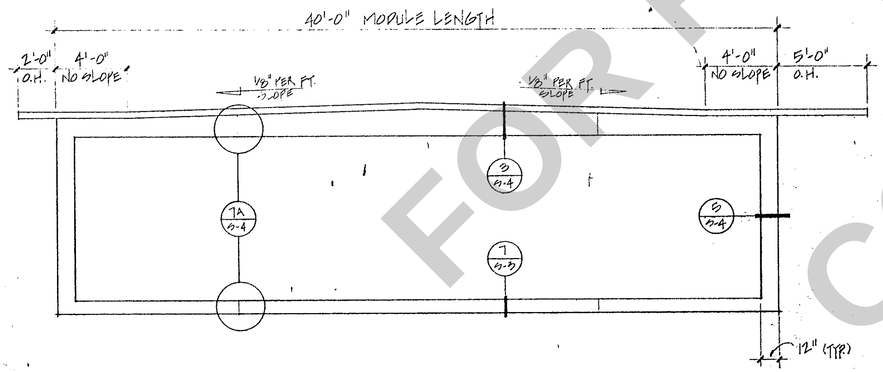
6 / D-2 11GA. DIAGONAL BRACING
FULL SCALE



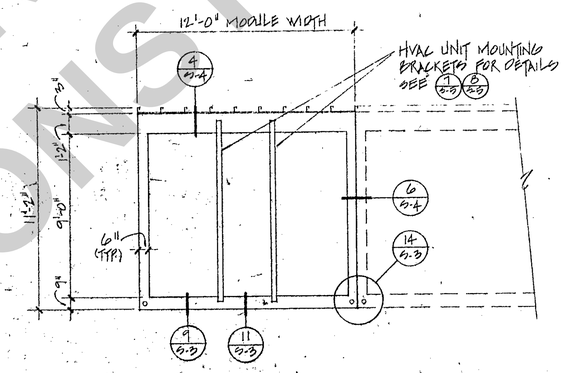
2 / D-2 ROOF FRAMING PLAN
1/4" = 1'-0"



1 / D-2 FLOOR FRAMING PLAN
1/4" = 1'-0"



5 / D-2 EXTERIOR STEEL FRAME ELEVATION 40' WALL
1/4" = 1'-0" ⊥ TO FLOOR GIRDERS



4 / D-2 EXTERIOR STEEL FRAME ELEVATION 12' WALL
1/4" = 1'-0" ∥ TO FLOOR GIRDERS

FRAMING NOTES

GENERAL:
1. LIGHT GAGE STEEL SHALL CONFORM TO ASTM A-570 GRADE 36 EXCEPT COLUMNS WHICH SHALL CONFORM TO: ASTM A-570 GRADE 45.
2. BOLTS SHALL CONFORM TO: ASTM A-307.
3. STRUCTURAL STEEL SHALL CONFORM TO: ASTM A-36.
4. 11 GA. SHALL BE .120" MIN. 10 GA. = .1345" MIN. 22 GA. = .0299 MIN.
5. BEND RADIUS OF 11 GA. AND 10 GA. COLD FORMED SECTIONS SHALL BE A MIN. OF 3/16".
6. ALL WELDING SHALL BE INSPECTED FOR REQUIREMENTS OF THE TITLE 21 AND 24 ELECTRODE CLASSIFICATION ASTM A2332-70.
7. ALL EXPOSED WELDS ON CONTACT FACE OF MODULE LINE SHALL BE GROUND FLUSH WITH PARENT METAL.

FLOOR:
1. FLOOR PLYWOOD SHALL BE 2-4-1 GROUP: 1 INTERIOR WITH EXTERIOR GLUE.
2. FASTENERS - TEKS OR EQUAL #10x2" SELF-DRILLING SELF-TAPPING SCREWS.

ROOF:
1. PREFORMED METAL ROOF DECK: "GARDECK" OR EQUAL 22 GA. GALV. AND SHALL CONFORM TO ASTM A-570 GRADE 36.
2. FASTENERS #14x3/4" TYPE A SMS WITH NEOPRENE WASHERS.

STATE OF CALIFORNIA
Department of
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto

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REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT

DeDeaux & Wesle
Norris Nyberg
ARCHITECT

ENGINEER

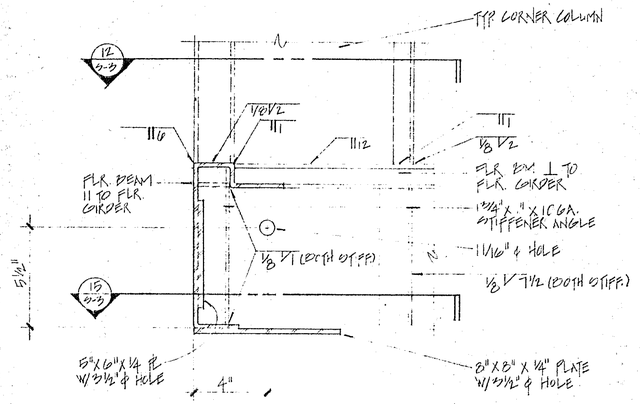
FRANKLIN ELEM. OCH. (2)
CHARLES H. WRIGHT OCH. (2)
ADA GIVEN'S SCH (1)
JOHN MUIR OCH (1)
RIVERA JR. HIGH (1)

RELOCATABLE CLASSROOM, 24' x 40'
MERCED CITY SCH. DIST. FOR

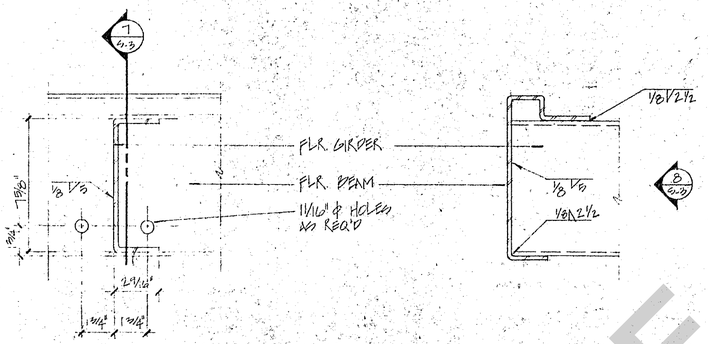
STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

S-2.0

MCSD Bldg 2024-5 | 04/02/2025
Addendum No. 2

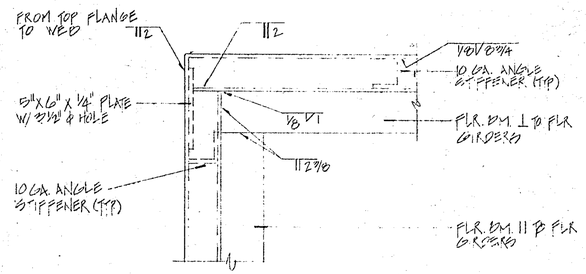


9 S-3 FLR. BEAM TO CORNER COL. CONN.
3/4" = 1'-0"

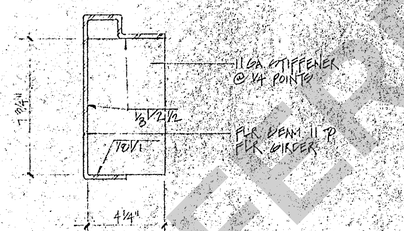


8 S-3 FLR. GIRDER TO FLR. BM. CONN.
3/4" = 1'-0"

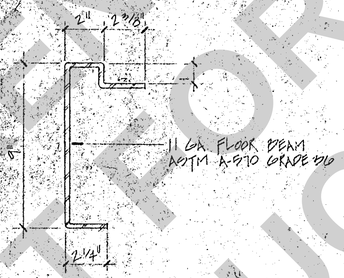
7 S-3 FLR. GIRDER TO FLR. BM. CONN.
3/4" = 1'-0"



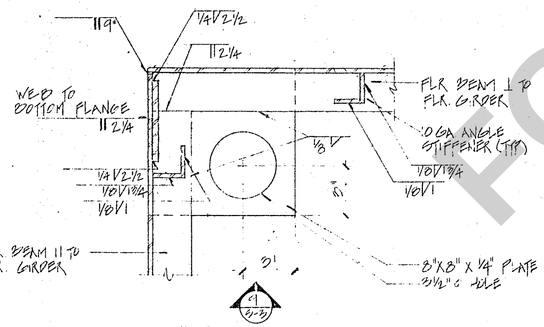
12 S-3 FLR. BEAM TO FLANGE
3/4" = 1'-0"



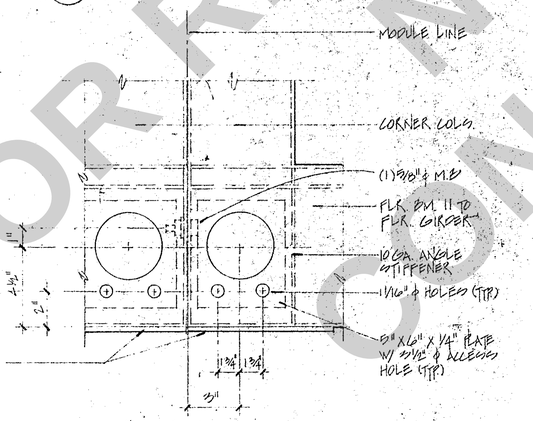
11 S-3 FLR. BEAM STIFFENER
3/4" = 1'-0"



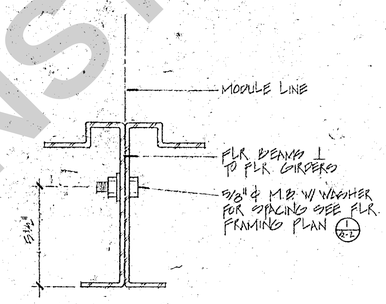
10 S-3 TYPICAL FLR. BEAM
3/4" = 1'-0"



15 S-3 FLR. BEAM BOTTOM FLANGE
3/4" = 1'-0"



14 S-3 FLR. BM. ELEV. @ MOD. LINE
3/4" = 1'-0"



13 S-3 FLR. BM. CONN. @ MOD LINE
3/4" = 1'-0"

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STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ARCHITECT / ENGINEER
				Dutra Duis & Hesse ARCHITECT

FRANKLIN ELEM. OCH.	(2)
CHARLES H. WRIGHT OCH.	(2)
ADA: GIVENS JR SCH.	(1)
JOHN MUIR OCH.	(1)
RIVERA JR. HIGH	(1)

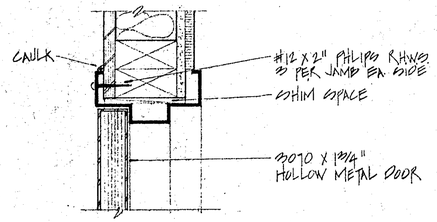
RELOCATABLE CLASSROOM, 24'x40'
FOR
MERCED CITY SCH. DIST.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

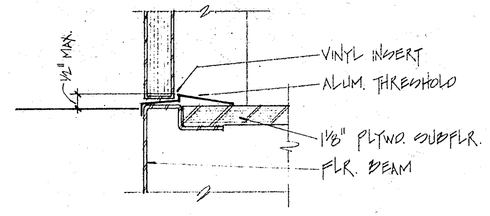
S-3

Addendum No. 2

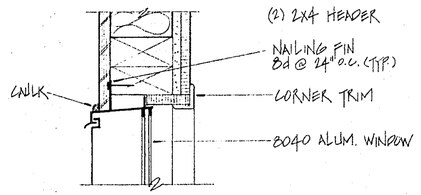
FOR REFERENCE ONLY
NOT FOR
CONSTRUCTION



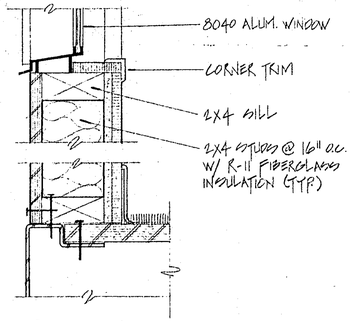
1 / A-4 DOOR HEAD
3" = 1'-0"



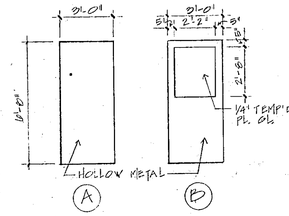
2 / A-4 DOOR SILL
3" = 1'-0"



3 / A-4 WINDOW HEAD
3" = 1'-0"



4 / A-4 WINDOW SILL
3" = 1'-0"



WINDOW SCHEDULE — FOR ALL PROJECTS

WIN NO.	TYPE	SIZE WIDE	SIZE HIGH	FRAME M	FRAME F	DETAILS HEAD	TRANSOM	JAMB	SILL	MULL	GLAZING	COMMENTS
◯	HORIZ. SLDR	2'-0"	2'-0"	ALUM	ANOD. REQ'D	◯		◯	◯		DOUBLE	
◯	"	2'-0"	1'-6"	"	"	"		"	"		"	
◯	FIXED	2'-0"	2'-0"	STL	P	◯		◯	◯		1/4" TEMP PL. GL.	

DOOR SCHEDULE — FOR ALL PROJECTS

DOOR NO.	KEY NO.	TYPE	SIZE WIDE	SIZE HIGH	SIZE THICK	CORE	INT. FACE M	INT. FACE F	EXT. FACE M	EXT. FACE F	FRAME M	FRAME F	DETAILS HEAD	DETAILS TRANSOM	DETAILS JAMB	DETAILS THRESH	COMMENTS
D/1		A	3'-0"	6'-8"	1 3/4"	HM	WTL	P	WTL	P	HM	P	1/A1		2/A1	3/A1	
D/1		A	3'-0"	6'-8"	1 3/4"	HM	WTL	P	WTL	P	HM	P	4/A1		4/A1		
D/1		B	3'-0"	6'-8"	1 3/4"	HM	WTL	P	WTL	P	HM	P	4/A1		4/A1		

MUSIC

STATE OF CALIFORNIA Department of General Services
AUG 11 1982
Office of the State Architect Structural Safety Section-Sacto.

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ARCHITECT	ENGINEER
		95		DuPertuis & Hesge	

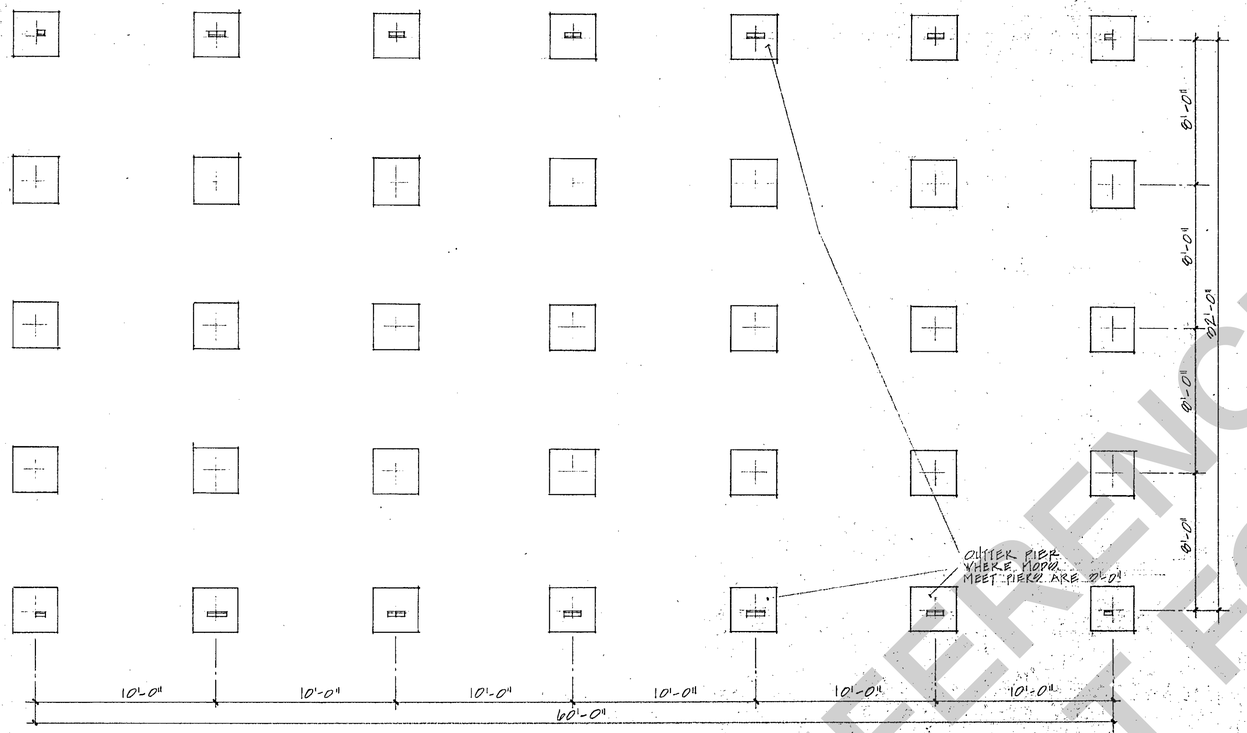
OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
44146
JAN 22 '82
APPLICATION NO.
Per J.T. Meehan
PRINCIPAL STRUCTURAL ENGINEER

RELOCATABLE CLASSROOM, 32'x60'
FOR
MERCED CITY SCH. DIST.
RIVERA JR. HIGH SCH.

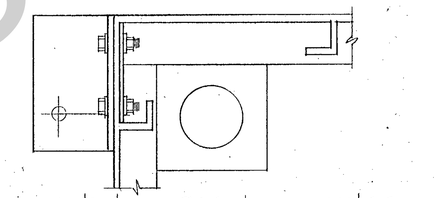
STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

A-4

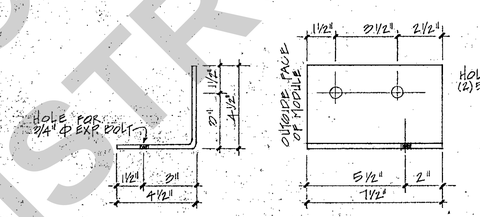
MCSD Bid# 2324-5 - 04/02/2024
Addendum No. 2



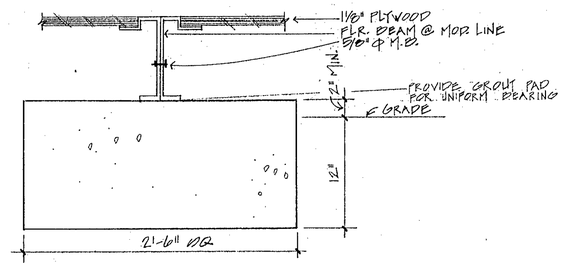
FOUNDATION PLAN
1/4" = 1'-0"



ANCHOR DETAIL @ CORNER
3" = 1'-0"



CLIP DETAIL
3" = 1'-0"



SECTION DETAIL @ PIER
1 1/2" = 1'-0"

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STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

MUSIC 32'x60'

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT

DuPertuis & Hesse
ARCHITECT

ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
JUN 22 '82
APPROVED
BY

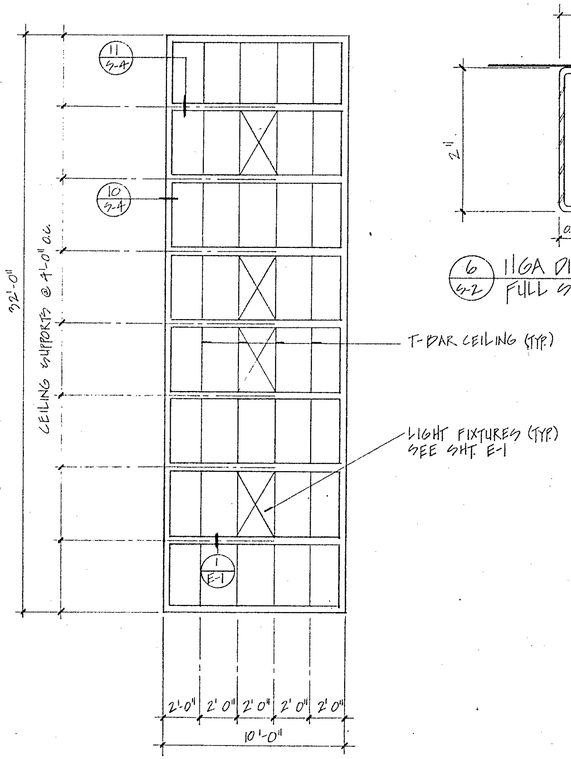
RELOCATABLE FOR CLASSROOM
MERCED CITY SCH. DIST.
RIVERA JR. HIGH

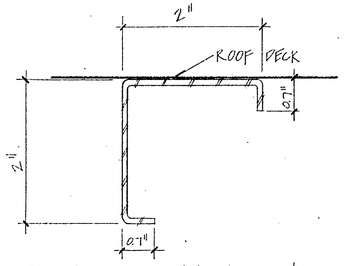
STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

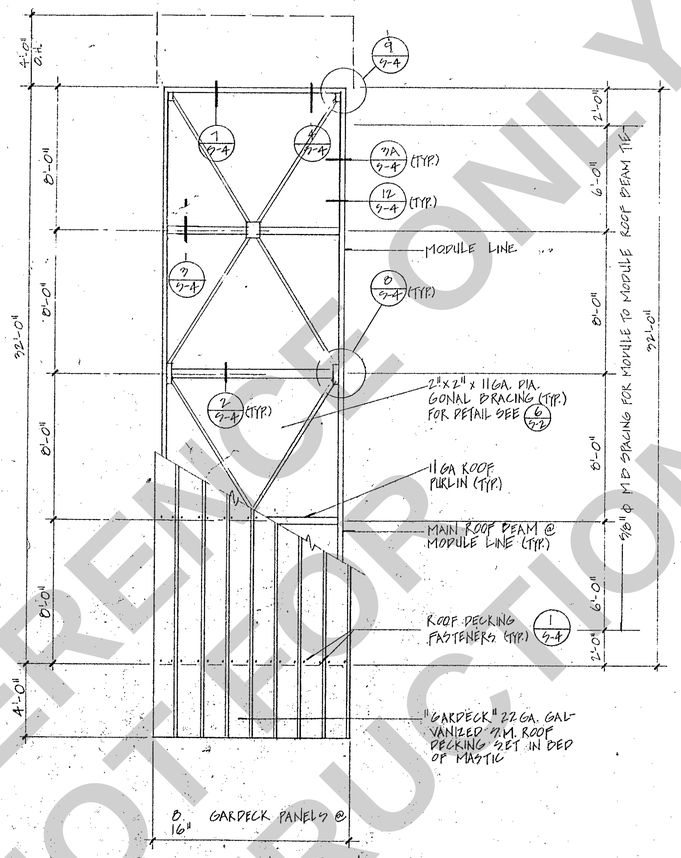
S-1 M

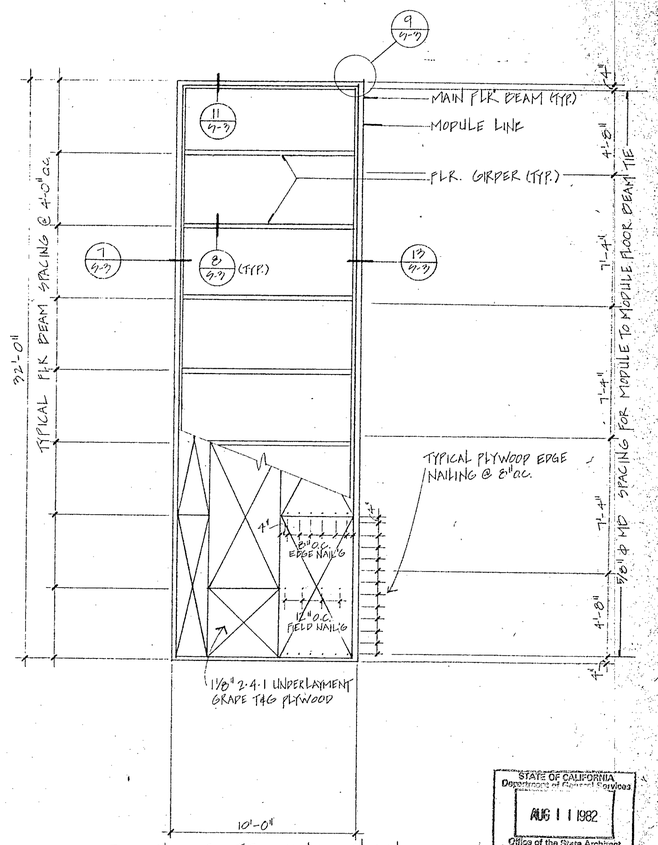
Addendum No. 2





6 / 5-2 11GA DIAGONAL BRACING
FULL SCALE

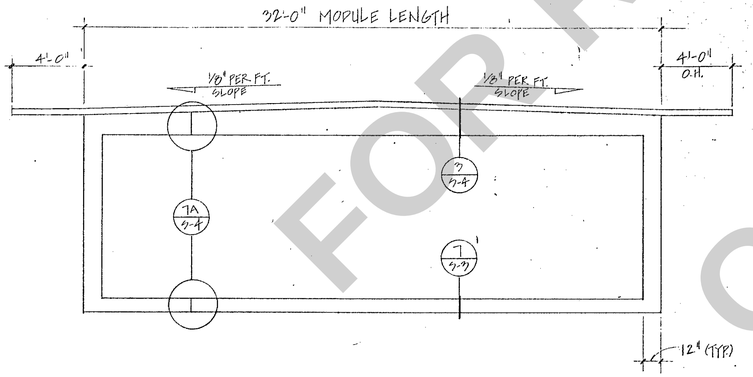




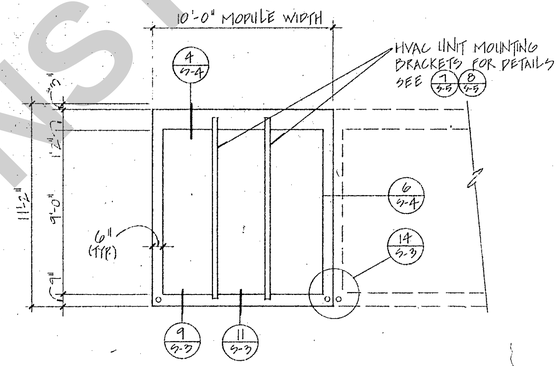
3 / 5-2 REFLECTED CEILING PLAN
1/4" = 1'-0"

2 / 5-2 ROOF FRAMING PLAN
1/4" = 1'-0"

1 / 5-2 FLOOR FRAMING PLAN
1/4" = 1'-0"



5 / 5-2 EXTERIOR STEEL FRAME ELEVATION 32' WALL
1/4" = 1'-0" ⊥ TO FLOOR GIRDERS



4 / 5-2 EXTERIOR STEEL FRAME ELEVATION 10' WALL
1/4" = 1'-0" ∥ TO FLOOR GIRDERS

FRAMING NOTES

GENERAL:

1. LIGHT GAGE STEEL SHALL CONFORM TO ASTM A-570 GRADE 36 EXCEPT COLUMNS WHICH SHALL CONFORM TO: ASTM A-570 GRADE 45.
2. BOLTS SHALL CONFORM TO : ASTM A-307.
3. STRUCTURAL STEEL SHALL CONFORM TO: ASTM A-36.
4. 11 GA. SHALL BE .120" MIN. 10 GA. = .1345" MIN. 22 GA. = .0299 MIN.
5. BEND RADIUS OF 11 GA. AND 10 GA. COLD FORMED SECTIONS SHALL BE A MIN. OF 3/16".
6. ALL WELDING SHALL BE INSPECTED FOR REQUIREMENTS OF THE TITLE 21 AND 24 ELECTRODE CLASSIFICATION ASTM A2332-70.
7. ALL EXPOSED WELDS ON CONTACT FACE OF MODULE LINE SHALL BE GROUND FLUSH WITH PARENT METAL.

FLOOR:

1. FLOOR PLYWOOD SHALL BE 2-4-1 GROUP: 1 INTERIOR WITH EXTERIOR GLUE.
2. FASTENERS - TEKS OR EQUAL @10x2" SELF-DRILLING SELF-TAPPING SCREWS.

ROOF:

1. PREFORMED METAL ROOF DECK: "GARDECK" OR EQUAL 22 GA. GALV. AND SHALL CONFORM TO ASTM A-570 GRADE 36.
2. FASTENERS @14x3/4" TYPE A SMS. WITH NEOPRENE WASHERS.

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

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STATE FIRE MARSHAL

OFFICE OF THE STATE ARCHITECT

DuPertuis & Hesse
ARCHITECT

ENGINEER

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STRUCTURAL SAFETY SECTION
JAN 27
APPROVED BY

RELOCATABLE FOR CLASSROOM, 32'x60'

MERCED CITY SCH. DIST.
RIVERA JR. HIGH SCH.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

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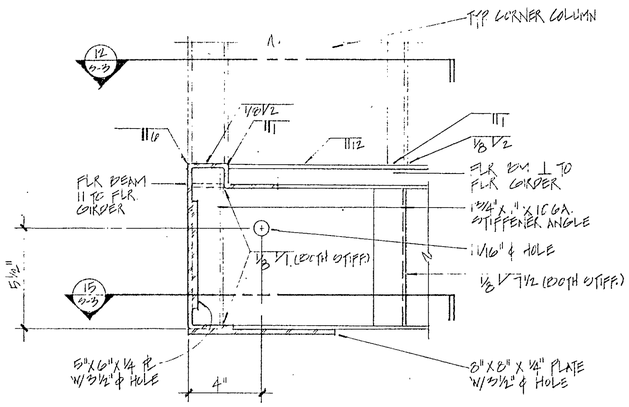
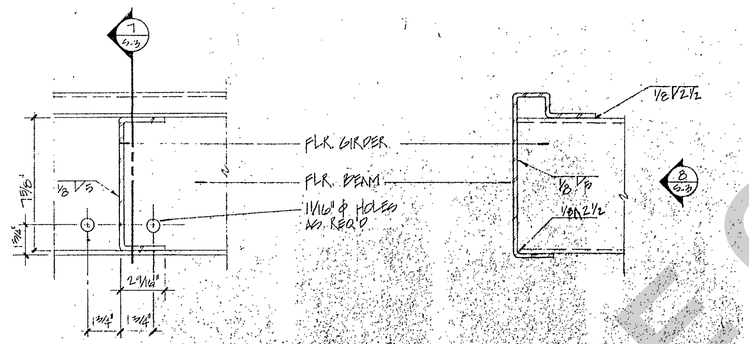
FOR REFERENCE ONLY NOT FOR CONSTRUCTION

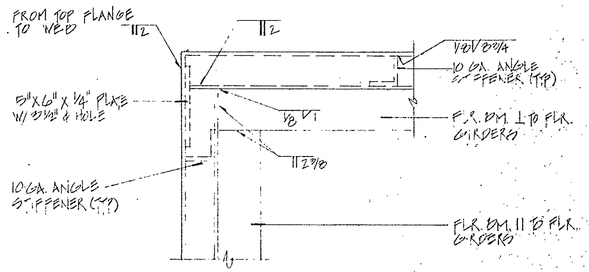


9 D-33 FLR BEAM TO CORNER COL. CONN
1/2" = 1'-0"

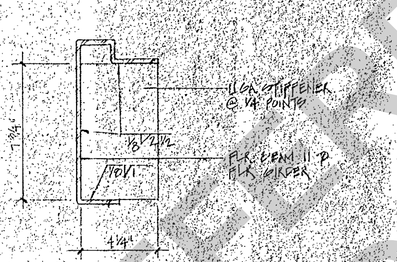


8 D-33 FLR. GIRDER TO FLR. BM. CONN
1/2" = 1'-0"

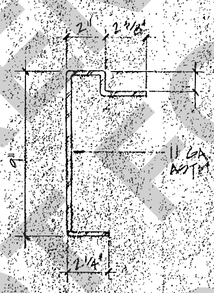
7 D-33 FLR. GIRDER TO FLR. BM. CONN
1/2" = 1'-0"



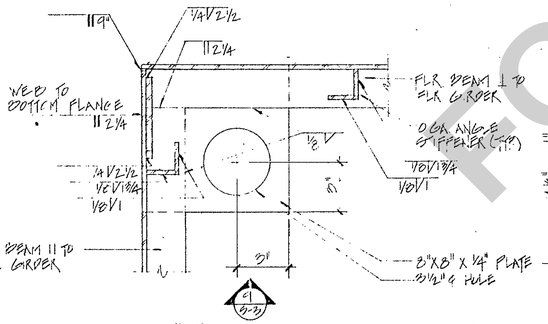
12 D-33 FLR. BEAM TOP FLANGE
1/2" = 1'-0"



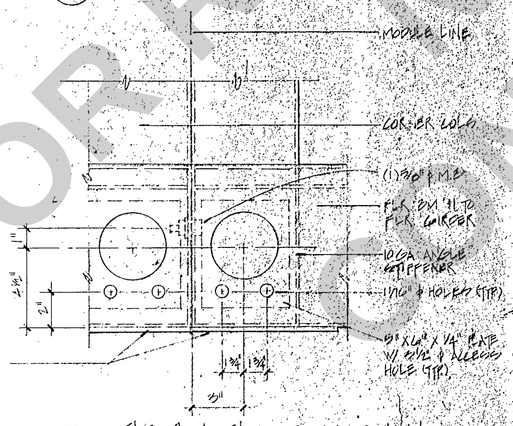
11 D-33 FLR BEAM STIFFENER
1/2" = 1'-0"



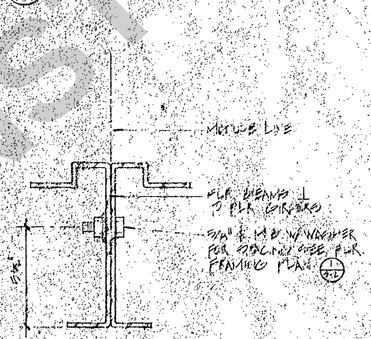
10 D-33 TYPICAL FLR. BEAM
1/2" = 1'-0"



13 D-33 FLR. BEAM BOTTOM FLANGE
1/2" = 1'-0"



14 D-33 FLR. BM. ELEV. @ MOD. LINE
1/2" = 1'-0"



15 D-33 FLR. BM. CONN @ MOD. LINE
1/2" = 1'-0"

MUSIC

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
44446
APPLICATION NO.
JUN 22 '82
Per
PRINCIPAL STRUCTURAL ENGINEER

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect

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DuPerrault & Hesse
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RIVERA JR. HIGH SCH.

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RIVERA JR. HIGH SCH.

STEELGARD, INC.
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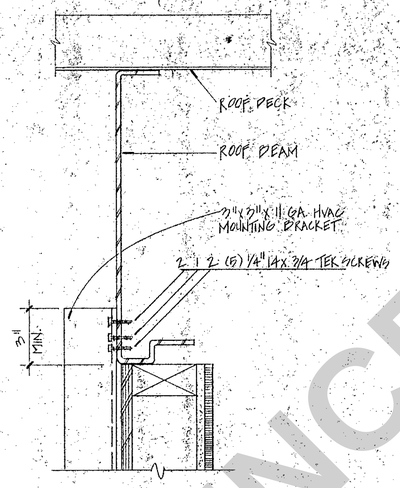
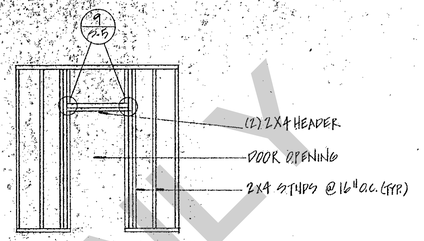
S - 3

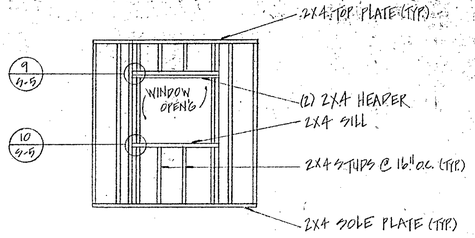
HVAC Bracket Conn. 2 of 2 - Addendum No. 2



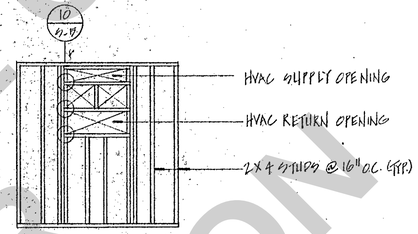
7 / S-5 HVAC BRACKET CONN.
3" = 1'-0" @ ROOF BEAM



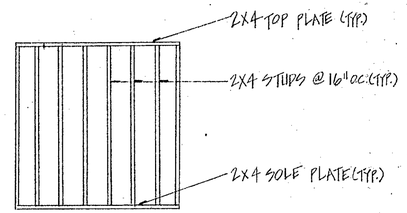
3 / S-5 WALL FRAMING @ DOOR
1/4" = 1'-0"



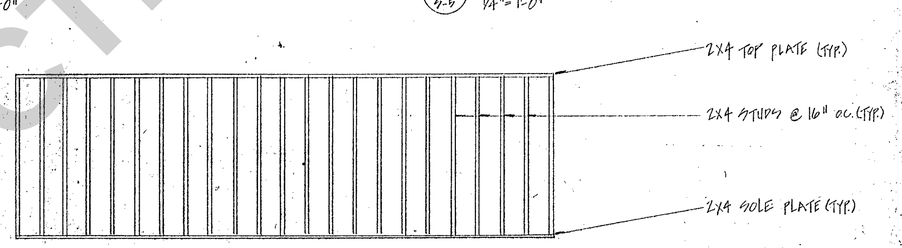
1 / S-5 WALL FRAMING @ 4040 WINDOW
1/4" = 1'-0"

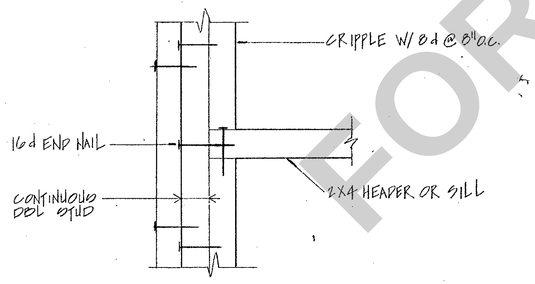


4 / S-5 WALL FRAMING @ HVAC UNIT
1/4" = 1'-0"

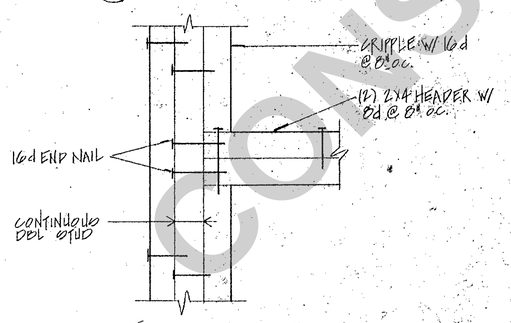


2 / S-5 WALL FRAMING @ 10' MOD. END
1/4" = 1'-0"

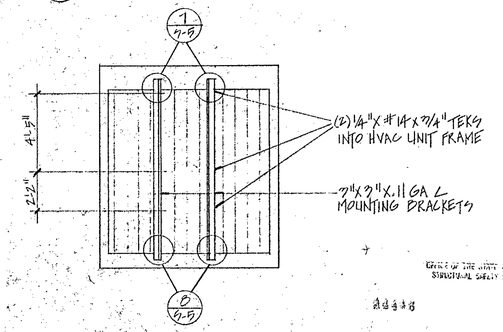




10 / S-5 HVAC HEADER OR WINDOW SILL
3" = 1'-0"



8 / S-5 HVAC BRACKET CONN.
3" = 1'-0" @ FLOOR BEAM



9 / S-5 WALL FRAMING @ 32' SIDEWALL
1/4" = 1'-0"

6 / S-5 HVAC MOUNTING BRACKETS
1/4" = 1'-0"

NAILING SCHEDULE
UBC TABLE 25-P

TOP PLATE TO STUD END WALL	2-16d 3½ x 131 PASLODE
STUD TO WOLE PLATE, FACE NAIL	4-16d
DOUBLE STUD, FACE NAIL	16d @ 24" o.c.
SINGLE TOP PLATE, FACE NAIL	16d @ 16" o.c.
TOP PLATE, LAPS, & INTERSECTIONS, FACE NAIL	2-16d
CONTINUOUS HEADER, TWO PIECES	16d @ 6" ALONG EA. EDGE
CONTINUOUS HEADER TO STUD, FACE NAIL	4-16d
CONTINUOUS HEADER TO STUD, END NAIL	4-16d
EXTERIOR PLYWOOD TO STUDS	6d @ 6" o.c. EDGE OF SHEETS 2-3/8 x 113 RING SHANK 6d @ 12 o.c. INTERMEDIATE BEARING, GALVANIZED
GYPSUM BOARD TO STUDS	GWB-54 1¼" LONG 5d COOLER NAILS @ 8" o.c.

STATE OF CALIFORNIA
Department of General Services
AUG 1 1982
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DuPertuis & Hessey
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FOR
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RIVERA JR. HIGH SCH.

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1273 Industrial Parkway West
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(415) 886-5566

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S-5 M

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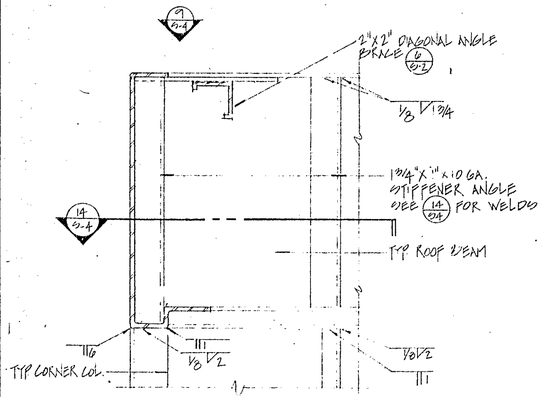
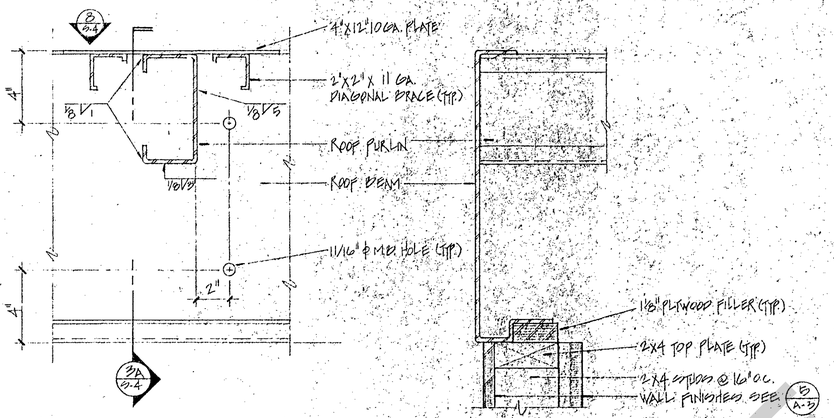
DSA SS/CC Ltr. 2024-9 - 04/07/2025
Addendum No. 2

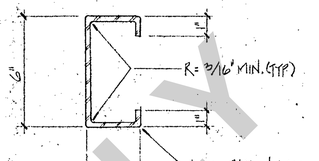


4 / D-4 ROOF BEAM TO CORNER COL.
3/4" = 1'-0"

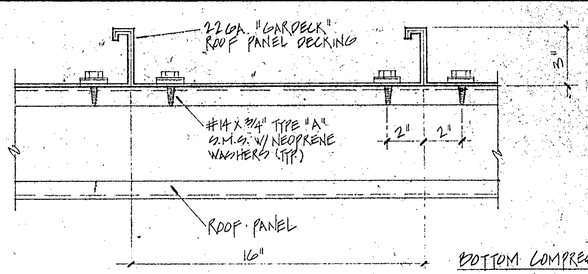


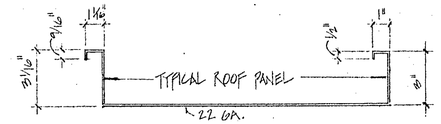
3 / D-4 ROOF PURLIN TO ROOF BEAM CONN.
3/4" = 1'-0" (ELEVATION VIEW)

3A / D-4 TYPICAL SECTION



2 / D-4 TYPICAL ROOF PURLIN



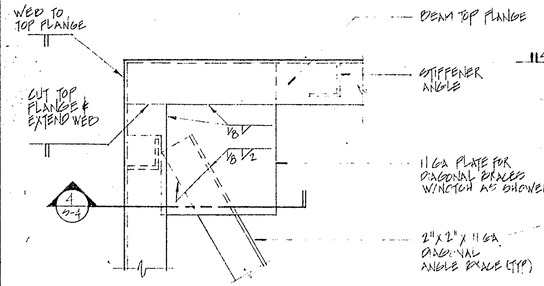


1 / D-4 ROOF DECK CONNECTION

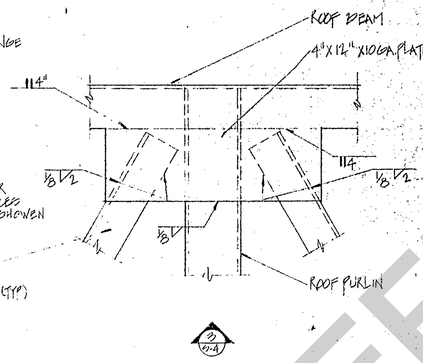
BOTTOM COMPRESSION
I = 0.414
Ω MIN. = 0.2411

BOTTOM TENSION
I = 0.8675
Ω MIN. = 0.5978

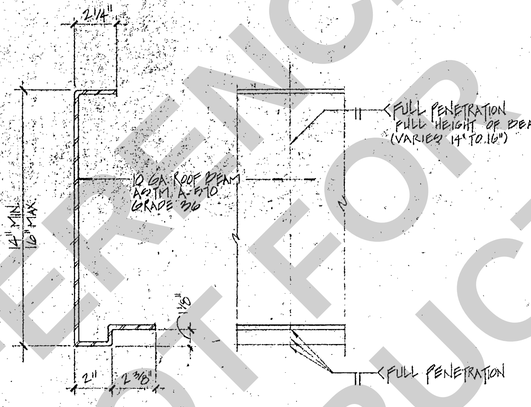
TOP IN TENSION
I = 0.414
Ω = 0.6551



9 / D-4 ROOF BEAM TOP FLANGE
3/4" = 1'-0"

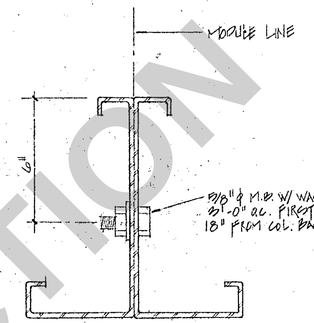


8 / D-4 ROOF PURLIN @ ROOF BEAM
3/4" = 1'-0" (PLAN VIEW)

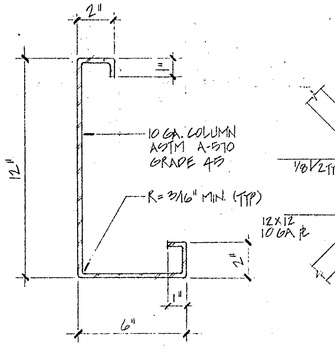


7 / D-4 ROOF BEAM

7A / D-4 BEAM SPLICE

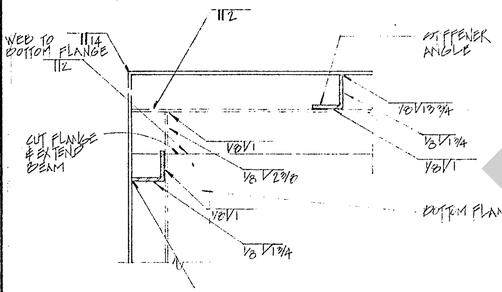


6 / D-4 COLUMN TO COLUMN CONN.

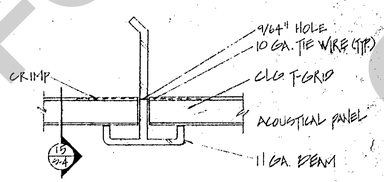


5 / D-4 TYPICAL CORNER COLUMN

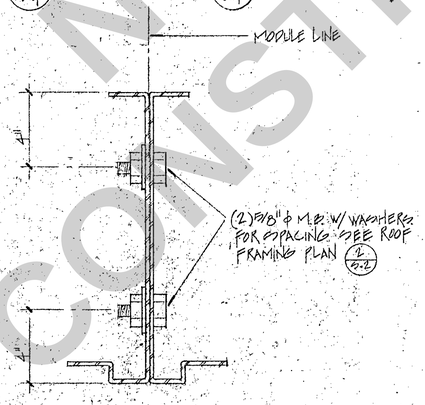
16 / D-4 CENTER PL FOR DIA.



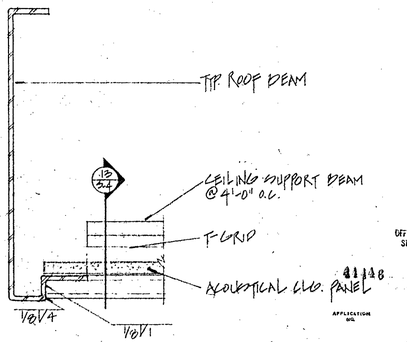
14 / D-4 ROOF BEAM BOTTOM FLANGE
3/4" = 1'-0"



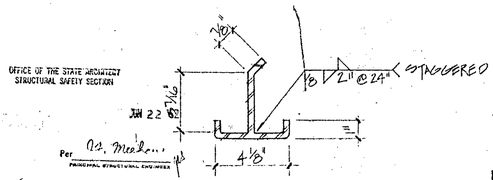
13 / D-4 CLG SUPPORT TO BEAM



12 / D-4 ROOF BM. TO ROOF BM. CONN.



11 / D-4 CLG SUPPORT BM. TO ROOF BM.



10 / D-4 11 GA. CEILING SUPPORT BEAM

15 / D-4 TYPICAL T-GRID
FULL SCALE

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			/	DuPertuis & Hesser	

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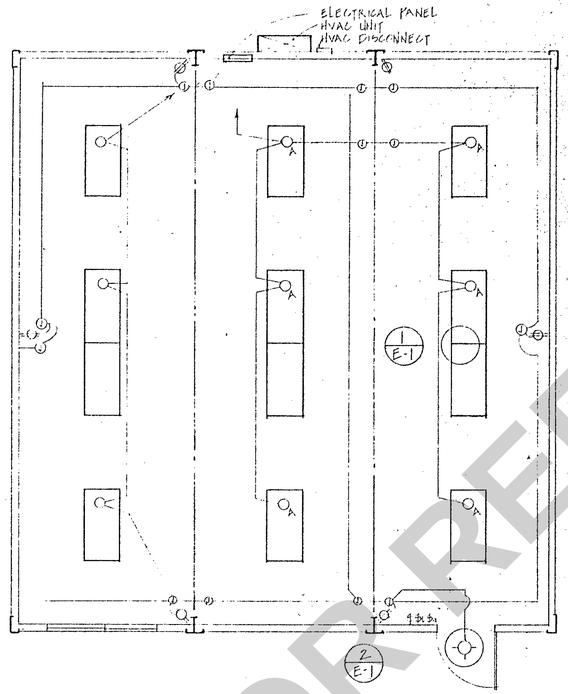
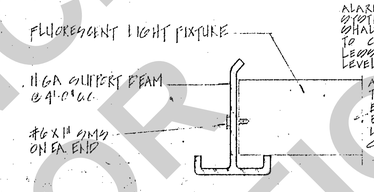


A/E-1 ELECTRICAL PLAN
1/4" = 1'-0"

PANEL DIAGRAM

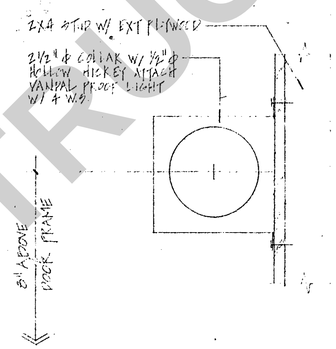


FIRE ALARM LEVEL OF AUDIBILITY

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL BE SO LOCATED AND UNOBSTRUCTED TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 10DB ABOVE AMBIENT NOISE LEVELS MEASURED 4' ABOVE THE FLOOR.

AMBIENT NOISE LEVELS SHALL BE CONSTRUCTED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS. SEC. 2-7209 TITLE 24.

1/E-1 LIGHT FIXTURE SUPPORT
NO SCALE



2/E-1 EXTERIOR LIGHT
NO SCALE

FIRE EXTINGUISHERS

APPROVED PORTABLE FIRE EXTINGUISHERS HAVING A MIN. RATING OF 2A SHALL BE SO LOCATED THAT IT WILL BE UNNESSARY TO TRAVEL MORE THAN 75 FT. TO OBTAIN ONE. NOT LESS THAN ONE UNIT SHALL BE PROVIDED FOR EACH 6000 SQ. FT. SECTION 5961, TITLE 19.

FIRE EXTINGUISHERS SHOULD BE LOCATED ADJACENT TO MANUAL FIRE SENDING STATION.

FIRE ALARM MUST TIE INTO EXISTING FIRE ALARM SYSTEM.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY. SECTION 3-740-16, TITLE 24 C.A.C.

FIRE ALARM LEVEL OF AUDIBILITY

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INDICATING TO ALERT ALL OCCUPANT SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 10DB ABOVE AMBIENT NOISE LEVELS, MEASURED FOUR FT. ABOVE THE FLOOR.

AMBIENT NOISE LEVELS SHALL BE CONSTRUCTED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
44446
JUN 22 '82
APPLICATION NO.
Per O.Z. Meadows
PRINCIPAL STRUCTURAL ENGINEER

GENERAL NOTES

1. FIRE ALARM SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE STATE FIRE MARSHAL, PART 3 CAC, TITLES 24, 8 AND 19.
2. GROUNDING, ALL RACEWAY SYSTEMS, FIXTURES, OUTLETS, MOTORS, EQUIPMENT ENCLOSURES AND METAL BUILDING MUST BE PERMANTENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH THE 1978 NEC, CAC, TITLE 8, AND LOCAL CODES.
3. ALL ELECTRICAL INSTALLATION FOR THE BUILDING AND THE SITE ELECTRICAL SERVICE SHALL MEET REQUIREMENTS OF THE 1978 NEC, TITLE 8, TITLE 24 AND 19, AND LOCAL CODES.

SYMBOL	DESCRIPTION
	4 FLUORESCENT LT. FIXTURE, RECESS MTD. IN CLG. WITH 4F40W TUBES
HO	KENALL #3636 OR EQUAL INCANDESCENT LT. FIXTURE WALL MTD. WITH 1 - 100W LAMP
$	SINGLE POLE TOGGLE SWITCH (QUIET TYPE)
=⊖=	15A GROUNDABLE DUPLEX CONVENIENCE RECEPTACLE
ⓙ	JUNCTION BOX
a	SWITCH CIRCUIT 1
b	SWITCH CIRCUIT 3
HD	HVAC DISCONNECT
HF	FIRE ALARM PULL STATION, SEE NOTE 1 THIS SHEET
HFA	FIRE ALARM, SEE SITE PLAN SHT. 8 SEE NOTE 1 THIS SHT.
CBKR	CIRCUIT BREAKER
LT.	LIGHT
CLG.	CEILING
MTD	MOUNTED
FXT.	FIXTURE
HC	CLOCK OUTLET AT + 7'-6"

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section

MUSIC

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ENGINEER
		DB		

DuPertuis & Hesse
ARCHITECT

RELOCATABLE CLASSROOM, 32'x60'
FOR
MERCED CITY SCH. DIST.
RIVERA JR. HIGH SCH.

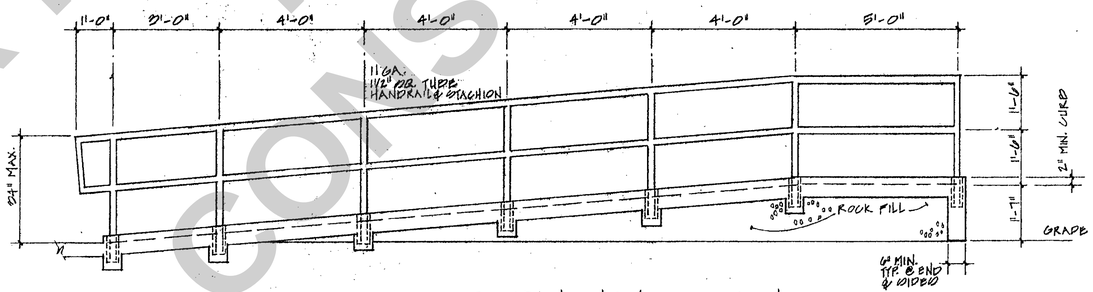
STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

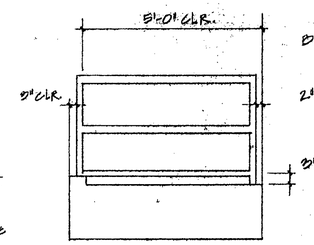
E-1M

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

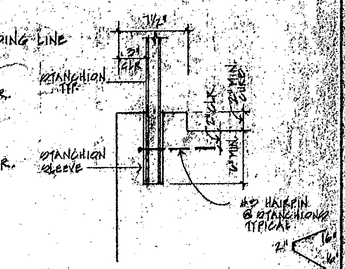
FOR REFERENCE ONLY
NOT FOR CONSTRUCTION



RAMP & LANDING SECTION
1/2"=1'-0"



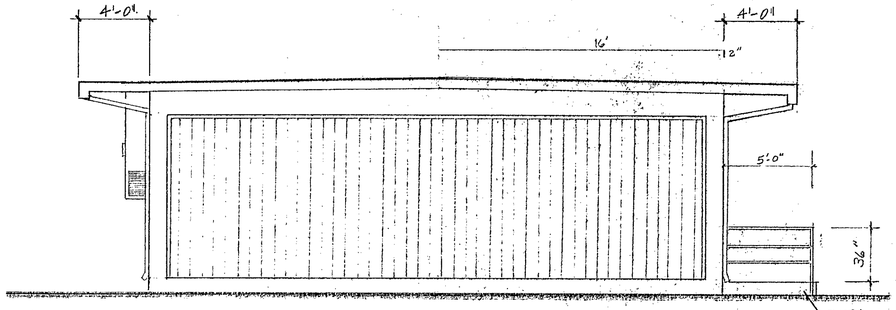
LANDING ELEVATION
1/2"=1'-0"



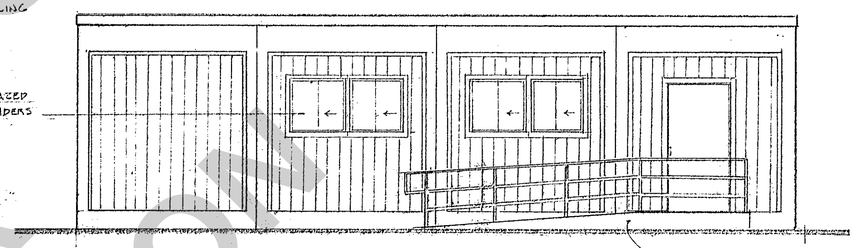
STANCHION SLEEVE DETAIL

MUSIC

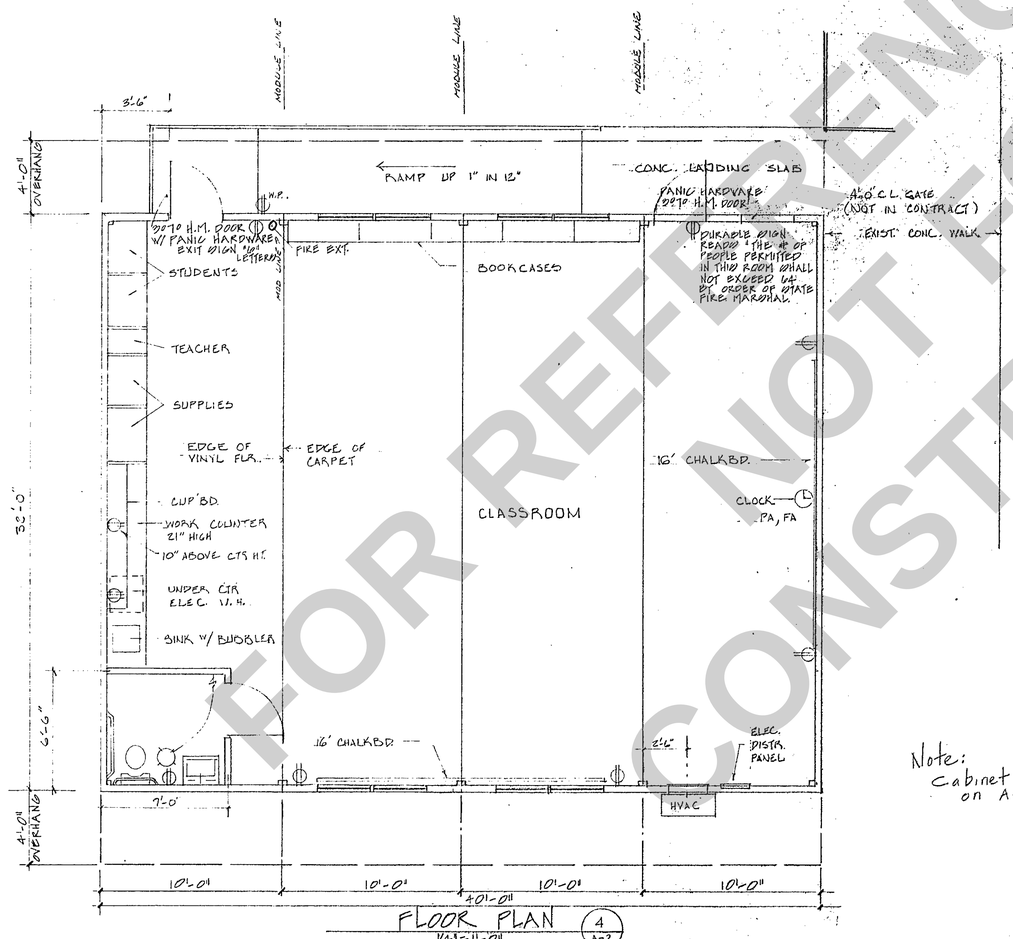
REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ARCHITECT: DeParfuis & Hesse	ENGINEER	OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION — APPLICATION NO. 44446 — JUN 22 '82 — For PRINCIPAL STRUCTURAL ENGINEER	RELOCATABLE CLASSROOM, 32'x60' FOR MERCED CITY SCH. DIST. RIVERA JR. HIGH SCH.	STEELGARD, INC. 1273 Industrial Parkway West Hayward, California 94544 (415) 886-5566	DRAWN / DATE / CHECKED / APPROVED / PROJECT	R-1



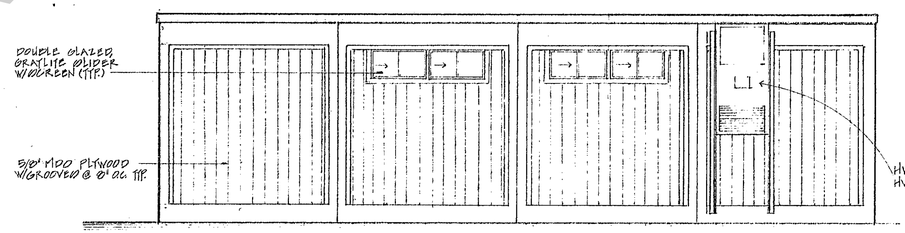
EAST ELEVATION
1/4" = 1'-0" (1 / A-2)



NORTH ELEVATION
1/4" = 1'-0" (2 / A-2)



FLOOR PLAN
1/4" = 1'-0" (4 / A-2)



SOUTH ELEVATION
1/4" = 1'-0" (3 / A-2)

Note:
Cabinet connection detail on A-10

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982

KINDERGARTEN

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ARCHITECT / ENGINEER
		D3		Architecture et Hesse / Henry Kitchen Inc

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
40488 JUN 22 '82
APPLICATION NO.
For [illegible] STRUCTURAL ENGINEER

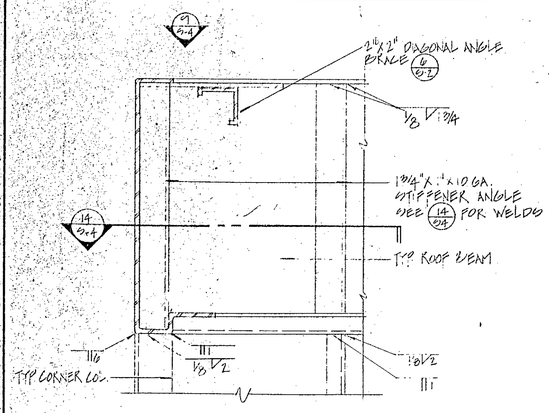
RELOCATABLE CLASSROOM, 32'x40'
FOR
MERCED CITY SCH. DIST.
JOHN C. FREMONT SCH.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

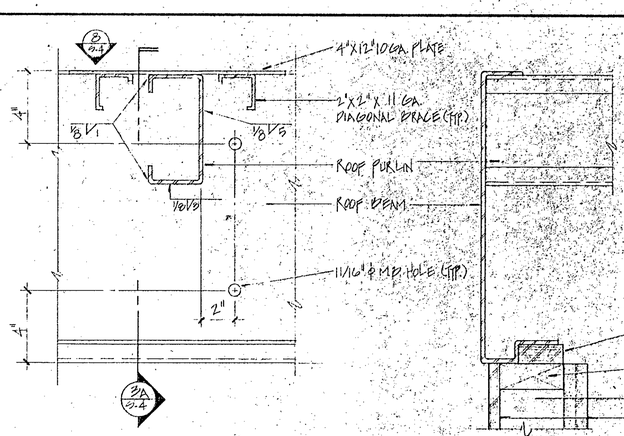
DRAWN
DATE
CHECKED
APPROVED
PROJECT

A-2K

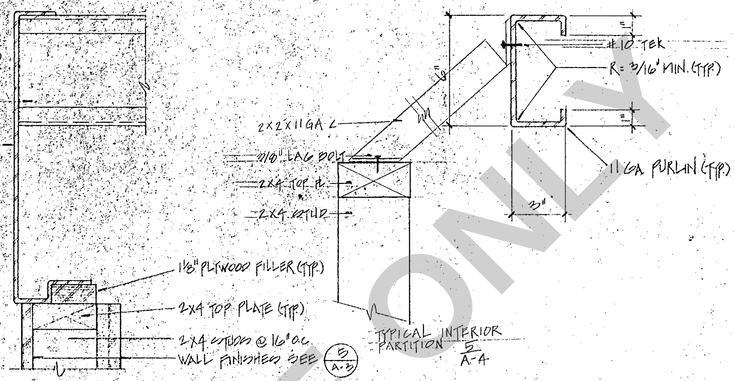
Addendum No. 2



4 S-4 ROOF BEAM TO CORNER COL.
3/4" = 1'-0"

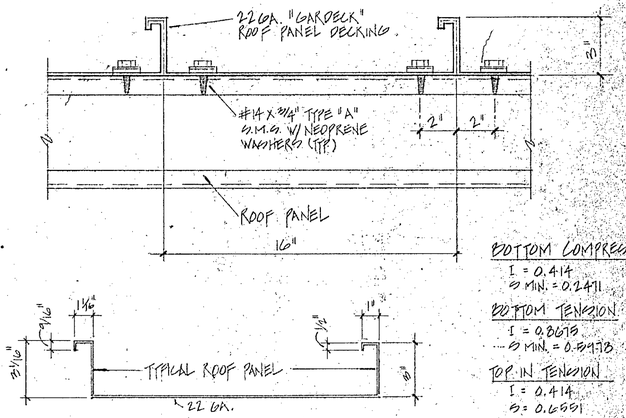


3 S-4 ROOF PURLIN TO ROOF BEAM CONN
3/4" = 1'-0"
(ELEVATION VIEW)

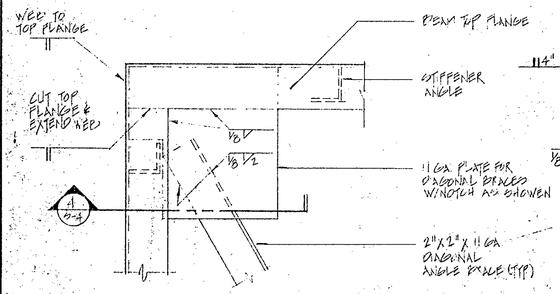


3A S-4 TYPICAL SECTION

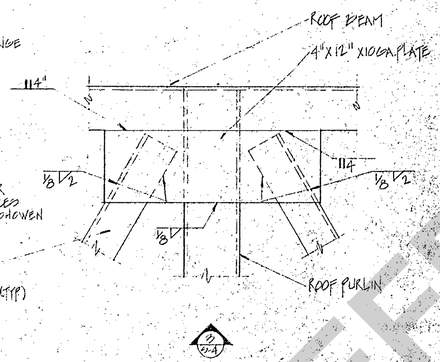
2 S-4 TYPICAL ROOF PURLIN



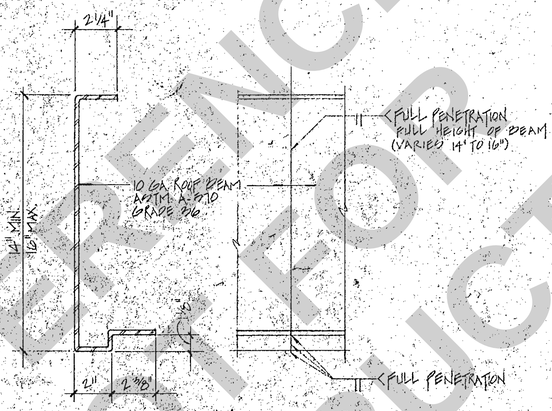
1 S-4 ROOF DECK CONNECTION



9 S-4 ROOF BEAM TOP FLANGE
3/4" = 1'-0"

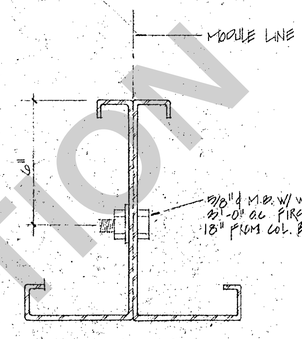


8 S-4 ROOF PURLIN @ ROOF BEAM
3/4" = 1'-0"
(PLAN VIEW)

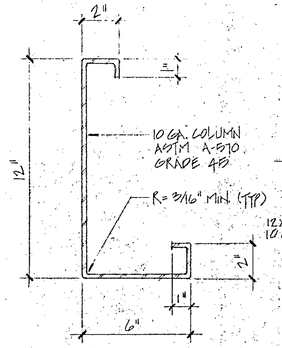


7 S-4 ROOF BEAM

7A S-4 BEAM SPLICE

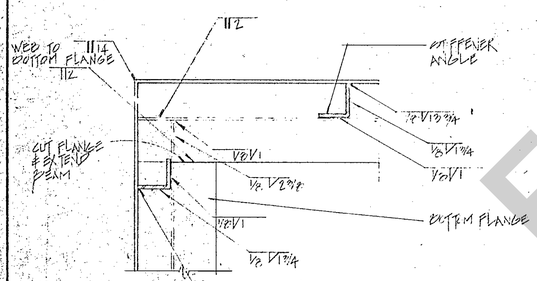


6 S-4 COLUMN TO COLUMN CONN

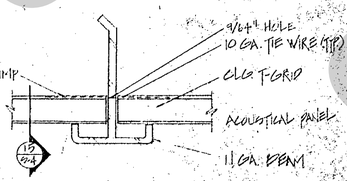


5 S-4 TYPICAL CORNER COLUMN

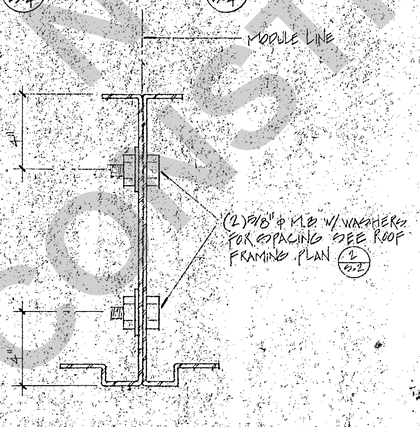
16 S-4 CENTER ℄ FOR DIA.



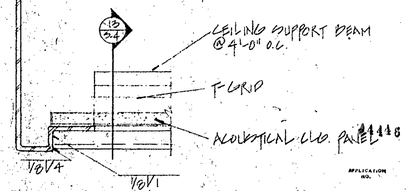
14 S-4 ROOF BEAM BOTTOM FLANGE
3/4" = 1'-0"



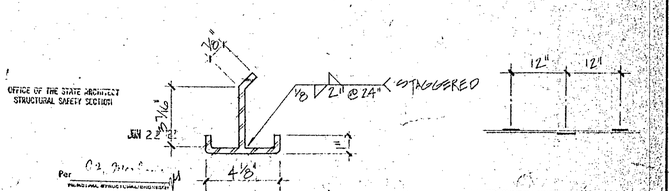
13A S-4 CLG SUPPORT TO BEAM



12 S-4 ROOF B.M. TO ROOF B.M. CONN.



11 S-4 CLG SUPPORT B.M. TO ROOF B.M.



10 S-4 11 GA. CEILING SUPPORT BEAM

STATE OF CALIFORNIA Department of General Services
AUG 11 1982
Office of the State Architect Structural Safety Section

KINDERGARTEN

DuPertuis & Hesse

ARCHITECT

ENGINEER

RELOCATABLE CLASSROOM, 32' x 40'
FOR
JOHN C. FREMONT OCH.
MERCED CITY OCH. DIST.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

S-4

REVISIONS	DATE

STATE FIRE MARSHAL

OFFICE OF THE STATE ARCHITECT

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

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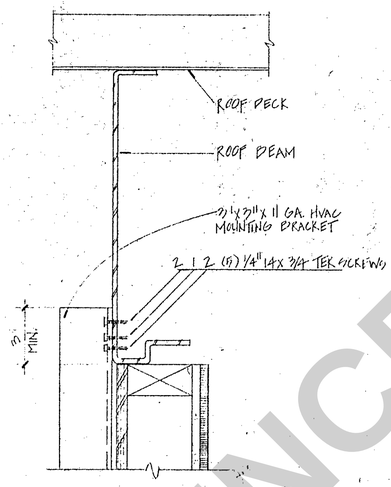
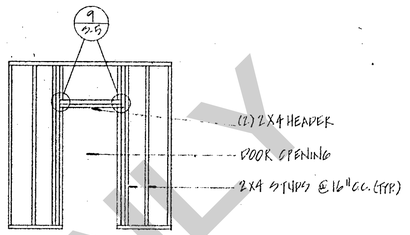
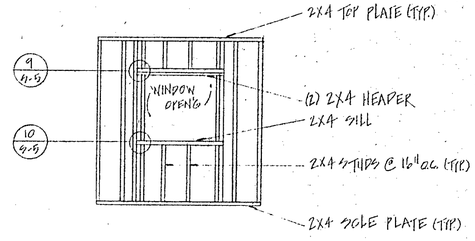
NOT FOR CONSTRUCTION



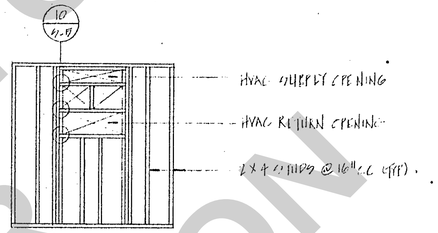
-1 / 4-5 HVAC BRACKET CONN @ ROOF BEAM
3/4" = 1'-0"



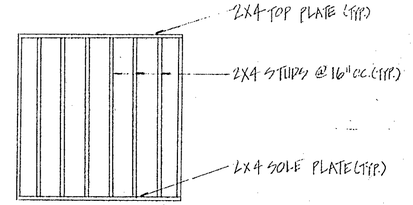
2 / 4-5 WALL FRAMING @ DOOR
1/4" = 1'-0"



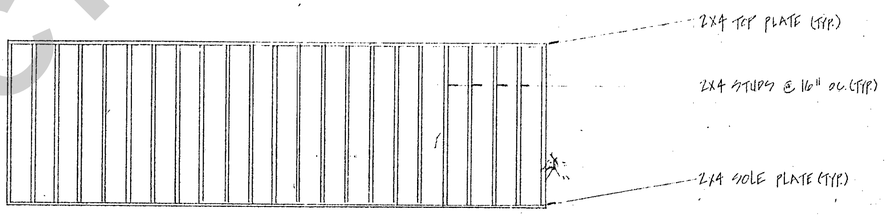
1 / 4-5 WALL FRAMING @ 4040 WINDOW
1/4" = 1'-0"

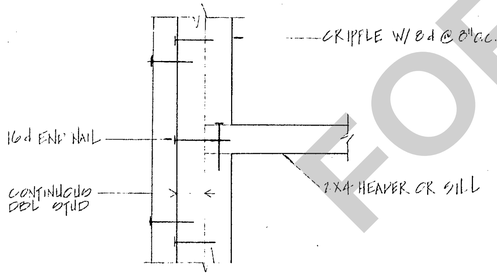


4 / 1-5 WALL FRAMING @ HVAC UNIT
1/4" = 1'-0"



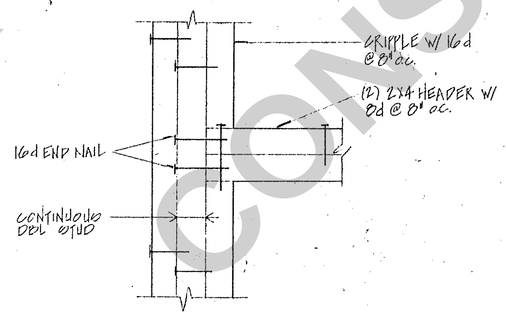
7 / 4-5 WALL FRAMING @ 10' MOD. END
1/4" = 1'-0"



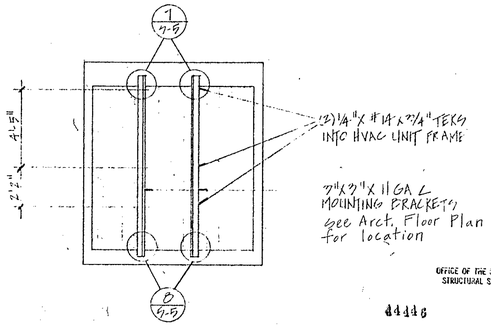


10 / 4-5 HVAC HEADER OR WINDOW SILL
3/4" = 1'-0"

8 / 4-5 HVAC BRACKET CONN @ FLOOR BEAM
3/4" = 1'-0"



9 / 4-5 HEADER TO STUD CONN.
3/4" = 1'-0"



17 / 4-5 WALL FRAMING @ 32' SIDEWALL
1/4" = 1'-0"

6 / 4-5 HVAC MOUNTING BRACKETS
1/4" = 1'-0"

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
44446
JUN 22 '82
APPLICATION NO.
For
PRINCIPAL STRUCTURAL SAFETY ENGINEER

NAILING SCHEDULE
UBC TABLE 25-P

TOP PLATE TO STUD END WALL	2-16d 3½ x 131 PASLODE
STUD TO WOLE PLATE, FACE NAIL	4-16d
DOUBLE STUD, FACE NAIL	16d @ 24" o.c.
SINGLE TOP PLATE, FACE NAIL	16d @ 16" o.c.
TOP PLATE, LAPS & INTERSECTIONS, FACE NAIL	2-16d
CONTINUOUS HEADER, TWO PIECES	16d @ 6" ALONG EA. EDGE
CONTINUOUS HEADER TO STUD, FACE NAIL	4-16d
CONTINUOUS HEADER TO STUD, END NAIL	4-16d

EXTERIOR PLYWOOD TO STUDS

6d @ 6" o.c. EDGE OF SHEETS 2-3/8 x 113 RING SHANK
6d @ 12 o.c. INTERMEDIATE BEARING, GALVANIZED

GYPSUM BOARD TO STUDS

GWB-54 1¼" LONG 5d COOLER NAILS @ 8"

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

Duperrault & Hesse

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ARCHITECT / ENGINEER

RELOCATABLE CLASSROOM, 32'x40'
FOR
MERCED CITY SCH. DIST.
JOHN C. FREMONT SCH.

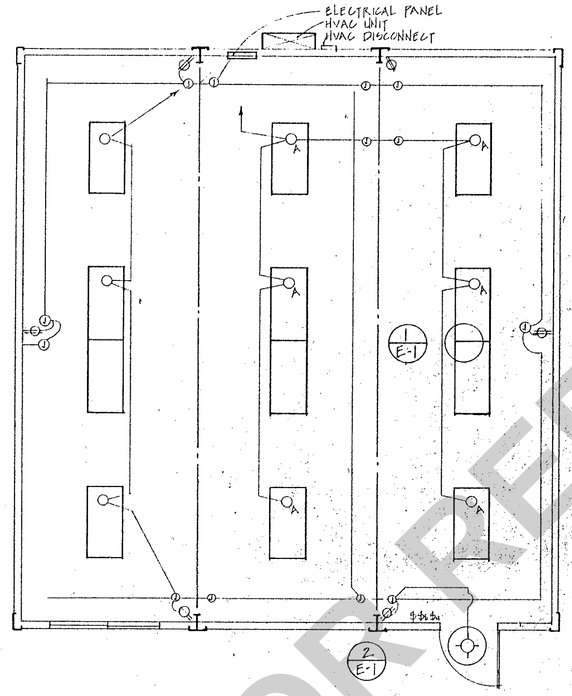
KINDERGARTEN

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

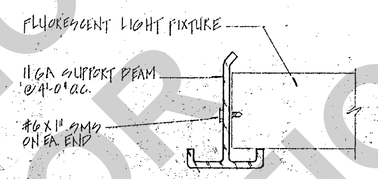
S-5K

AVCSD Bldg 2004-5 (Relocatable)
Addendum No. 2

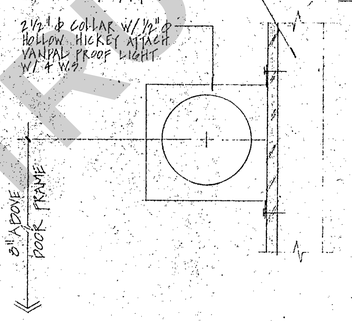


A / E-1 ELECTRICAL PLAN
1/4"=1'-0"

PANEL DIAGRAM



1 / E-1 LIGHT FIXTURE SUPPORT
NO SCALE



2 / E-1 EXTERIOR LIGHT
NO SCALE

FIRE ALARM LEVEL OF AUDIBILITY

ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANT SHALL BE SO LOCATED AND UNOBSTRUCTED TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 10DD ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FT. ABOVE THE FLR.

AMBIENT NOISE LEVELS SHALL BE CONSTRUCTED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONING. SEC. 2-7209 TITLE 24.

FIRE EXTINGUISHERS

APPROVED PORTABLE FIRE EXTINGUISHERS HAVING A MIN. RATING OF 2A SHALL BE SO LOCATED THAT IT WILL BE UNNESSARY TO TRAVEL MORE THAN 75 FT. TO OBTAIN ONE. NOT LESS THAN ONE UNIT SHALL BE PROVIDED FOR EACH 6000 SQ. FT. SECTION 594.1 TITLE 19.

FIRE EXTINGUISHERS SHOULD BE LOCATED ADJACENT TO MANUAL FIRE SENDING STATION.

FIRE ALARM MUST TIE INTO EXISTING FIRE ALARM SYSTEM.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY. SECTION E 140-16, TITLE 24 C.A.C.

FIRE ALARM LEVEL OF AUDIBILITY

ALARM IDICATING DEVICES OF A FIRE ALARM SYSTEM INDICATING TO ALERT ALL OCCUPANT SHALL BE SO LOCATED AND UNOBSTRUCTED AS TO CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 10DB ABOVE AMBIENT NOISE LEVELS MEASURED FOUR FT. ABOVE THE FLOOR.

AMBIENT NOISE LEVELS SHALL BE CONSTRUCTED TO MEAN THAT WHICH CAN NORMALLY BE EXPECTED TO EXIST WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATIVE OR WORKING CONDITIONS.

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
44446 JUN 22 '82
APPLICATION NO. Per PRINCIPAL STRUCTURAL ENGINEER

KINDERGARTEN

GENERAL NOTES

1. FIRE ALARM SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE STATE FIRE MARSHAL, PART 3 CAC, TITLES 24, 8 AND 19.
2. GROUNDING, ALL RACEWAY SYSTEMS, FIXTURES, OUTLETS, MOTORS, EQUIPMENT ENCLOSURES AND METAL BUILDING MUST BE PERMANTENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH THE 1978 NEC, CAC, TITLE 8, AND LOCAL CODES.
3. ALL ELECTRICAL INSTALLATION FOR THE BUILDING AND THE SITE ELECTRICAL SERVICE SHALL MEET REQUIREMENTS OF THE 1978 NEC, TITLE 8, TITLE 24 AND 19, AND LOCAL CODES.

SYMBOL	DESCRIPTION
	4 FLUORESCENT LT. FIXTURE, RECESS MTD. IN CLG. WITH 4F40W TUBES
HO	KENALL #3636 OR EQUAL INCANDESCENT LT. FIXTURE WALL MTD. WITH 1 - 100W LAMP
$	SINGLE POLE TOGGLE SWITCH (QUIET TYPE)
	15A GROUNDABLE DUPLEX CONVENIENCE RECEPTACLE
J	JUNCTION BOX
a	SWITCH CIRCUIT 1
b	SWITCH CIRCUIT 3
H	HVAC DISCONNECT
FA	FIRE ALARM PULL STATION, SEE NOTE 1 THIS SHEET
FA	FIRE ALARM, SEE SITE PLAN SHT. 6 SEE NOTE 1 THIS SHT.
F BKR.	CIRCUIT BREAKER
LT.	LIGHT
CLG.	CEILING
MTD.	MOUNTED
FXT.	FIXTURE
C	CLOCK OUTLET AT + 7'-6"

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

DuParthuis & Hesse
ARCHITECT
ENGINEER

REVISIONS	DATE

STATE FIRE MARSHAL

OFFICE OF THE STATE ARCHITECT

RELOCATABLE CLASSROOM, 32'x40'
FOR
MERCED CITY SCH. DIST.
JOHN C. FREMONT SCH.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

E-1

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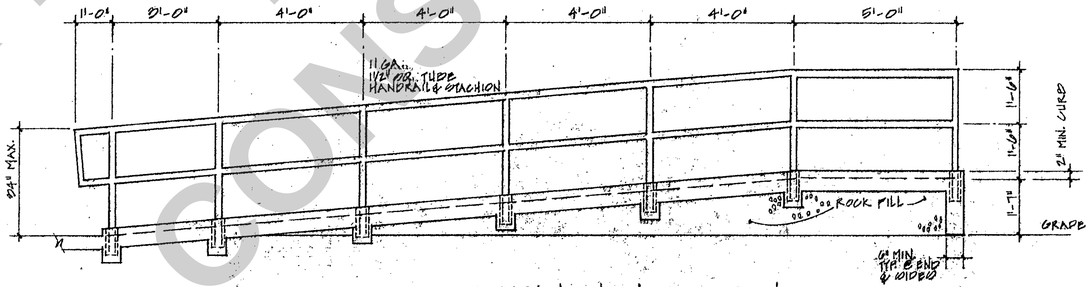
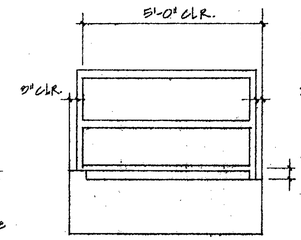
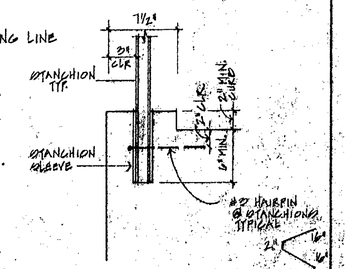
NOT FOR
CONSTRUCTION



RAMP & LANDING SECTION
½" = 1'-0"



LANDING ELEVATION
½" = 1'-0"



STANCHION SLEEVE DETAIL

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION

44446 JUN 22 '82

APPLICATION NO. For

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

De Pertuis & Hesse
ARCHITECT

ENGINEER

KINDERGARTEN

RELOCATABLE CLASSROOM, 32'x40'
FOR
MERCED CITY SCH. DIST.
JOHN C. FREMONT SCH.

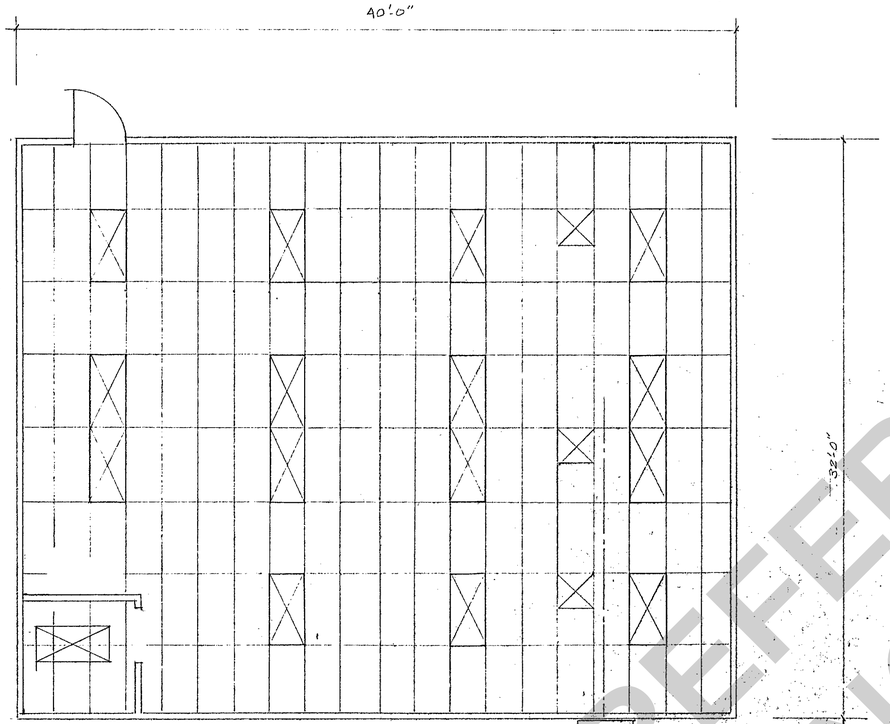
STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT

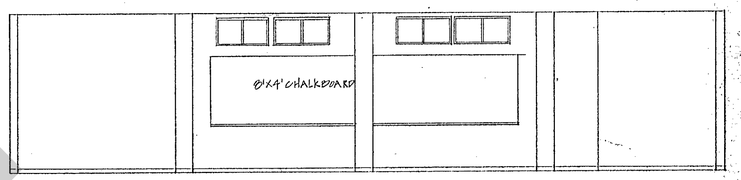
DRAWN
DATE
CHECKED
APPROVED
PROJECT

R-1

MC-5 #10K-2024-5 04/02/2025
Addendum No. 2



REFLECTED CEILING PLAN
SCALE 1/4"=1'-0"



SOUTH ELEVATION
SCALE 1/4"=1'-0"

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OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
44146 JUL 22 82
APPLICATION NO. Per: ACCEPTANCE

STATE OF CALIFORNIA
Department of General Services
AUG 11 1982
Office of the State Architect
Structural Safety Section-Sacto.

KINDERGARTEN

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ENGINEER
		DB		ARCHITECT

RELOCATABLE CLASSROOM, 32'x40'
FOR
MERCED CITY SCH. DIST.
JOHN C FREMONT SCH.

STEELGARD, INC.
1273 Industrial Parkway West
Hayward, California 94544
(415) 886-5566

DRAWN
DATE
CHECKED
APPROVED
PROJECT

E-1A

Access provided by eTRAKIT
2/28/2025

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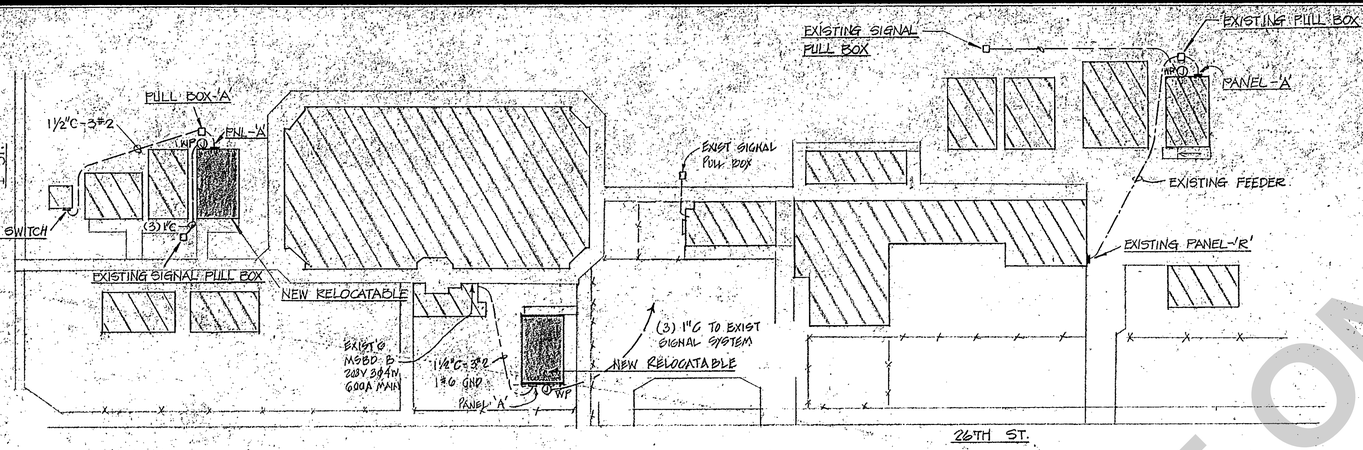
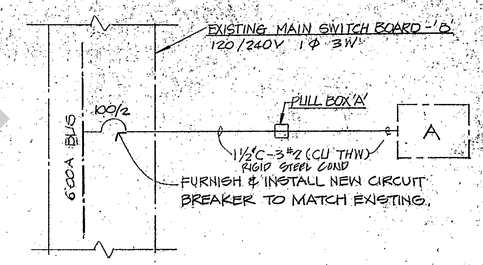


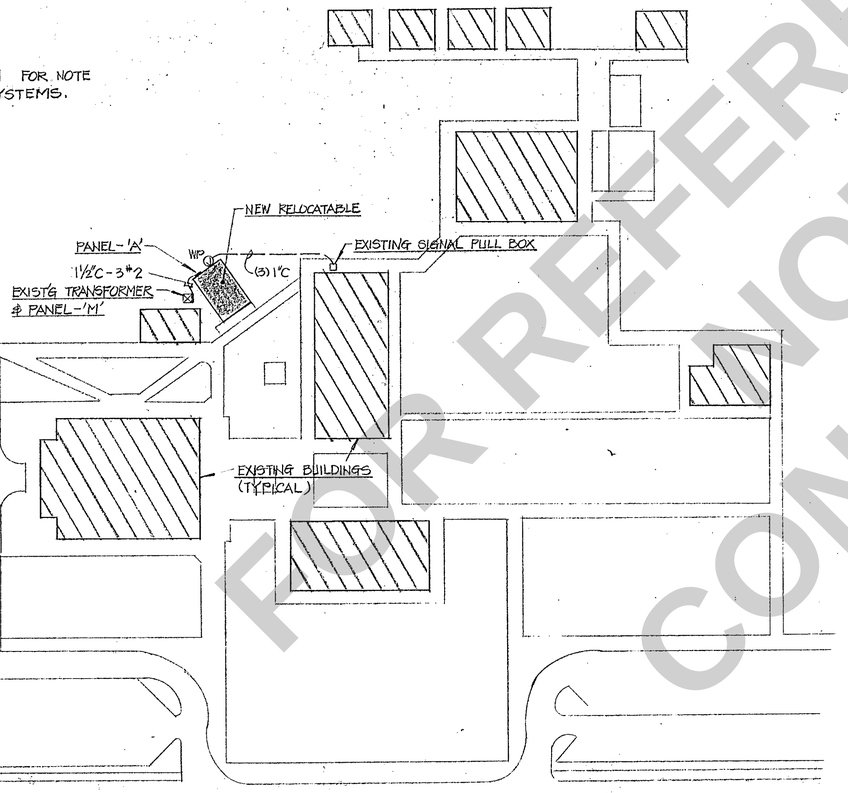
MUIR SCHOOL
ELECTRICAL SITE PLAN
SCALE: 1"= 40'-0"

NOTE:
SEE SHEET E-1 FOR NOTE ON SIGNAL SYSTEMS.

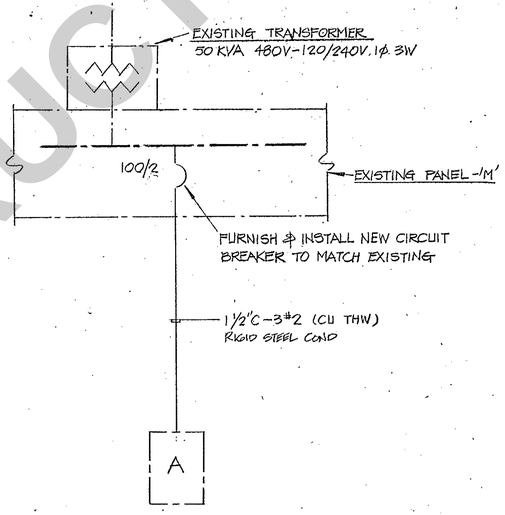


LINE DIAGRAM

NOTE:
SEE SHEET E-1 FOR NOTE ON SIGNAL SYSTEMS.



RIVERA INTER. SCHOOL
ELECTRICAL SITE PLAN
SCALE: 1"= 50'-0"



LINE DIAGRAM

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 10-1-90

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54412-8
Backchecked By
Inc #2

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
54412
P.C. site work Rev#1

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APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 6-28-90

STATE OF CALIF. Department of General
OCT - 9 1990
Office of the State Structural Safety S

EUGENE WU
CONSULTING ELECTRICAL ENGINEER
337 N. BLACKSTONE AVE. FRESNO, CALIF.
TELEPHONE (209) 264-4681

EMERGENCY RELOCATABLES
FOR
MERCED CITY SCHOOL DISTRICT
MERCED CALIFORNIA

DU PERTUIS & HESSE
ARCHITECTS & PLANNERS
3070 G Street, Merced, California 95340 (209) 722-2846

DRAWN BY	DATE
GK/MB	

OCCUP.	CONST.	AREA

YEAR	LOC.	CLASS	DES'N

CLIENT	SITE	PROJECT

SHEET NUMBER
E-4
OF 6 4

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

24' X 40' RELOCATABLE BUILDING

OFFICE OF LOCAL ASSISTANCE

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
TITLE 24 1988 UBC
JAN 19 1990
Structural Safety Section
A.C.S.
FIRE MARSHAL
JAN 19 1990
STATE FIRE MARSHAL
SOUTHERN REGION
DSA
DIVISION OF THE STATE ARCHITECT
Tim Young

TESTING LABORATORY _____ DATE _____

JOB NAME _____

DISTRICT _____

DIVISION–FILE NO _____ APPLICATION NO: _____

ARCHITECT _____

STRUCTURAL ENGINEER _____

STATE OF CALIFORNIA
DEPT. OF GENERAL SERVICES
OFFICE OF THE STATE ARCHITECT

STRUCTURAL TESTS AND INSPECTIONS

The following tests and inspections, as checked, will be required as detailed in applicable specifications

	CONCRETE	GUNITE	GROUT	MORTAR	
COMPACTED FILL					
Fill material, acceptance tests					Test of aggregates (prior to design only)
Compaction control, continuous					Suitability tests of aggregates as detailed below
Compaction tests only as ordered					Mix designs
Bearing capacity of compacted fill					Continuous batch plant inspection
REINFORCING STEEL					Inspect placing
Sample and test bar steel					Sample
Sample and test mesh					Compression tests
Inspect placing at job					Pick up samples at job
STRUCTURAL STEEL					Samples delivered to laboratory
X Sample and test as detailed below					Deliver sample forms to above
Shop fabrication inspection					Sample and test cement
Field erection inspection					
X Inspection of welds – Shop					
Inspection of welds – Field					
Inspection of riveting or bolting – Shop					
Inspection of riveting or bolting – Field					
Sample and test high strength bolts and washers					
BRICK AND BLOCK					
Sample and test					
Test only					
Inspection of placing					
Core drill samples					
GLUED LAMINATED STRUCTURAL LUMBER					
Fabrication inspection					
Sample and test steel accessories					
Inspect fabrication of steel accessories					

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
Sodium sulphate				
Structural strength				
Los Angeles rattler				
Clay (Hydrometer method)				
Reactivity tests				
Volume change				

MIX DESIGNS CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH PSI MINIMUM							

List of structural steel members to be tested:

PROVIDE MILL CERTIFICATES OR TEST PER SEC 2727(d)
C 12x20.7
L 7x9.8

Is this list continued on reverse: Yes No X

Other Tests and Inspections, together with special instructions:

GENERAL IN PLANT INSPECTION
ELECTRICAL GROUNDING TEST

Are these instructions continued on reverse: Yes No X

Copies of Reports to:

By: _____ AUTHORIZED REPRESENTATIVE

Form 103-33

SYMBOLS

TYPE	SYMBOL	MEANING
DETAIL	1	DETAIL ON SAME SHEET AS SYMBOL
DETAIL	1/2	DETAIL NUMBER (1) ON SHEET NO. (2)
DETAIL	DET 5 2	DETAIL NUMBER (5) ON SHEET NO. (2)
NOTE	1	NOTE NO 1 ON SAME SHEET AS SYMBOL
NOTE	4/3	NOTE NUMBER (4) ON SHEET NUMBER (5)
NOTE	NOTE 4 3	NOTE NUMBER (4) ON SHEET NUMBER (3)
PANEL		PANEL TYPE SEE SH. (2.1) FOR FRAMING
SECTION	A/2	SECTION ON SHEET (2)

SHEET INDEX

0 – COVER SHEET
1.0 – FLOOR PLAN, ROOF PLAN INTERIOR ELEVATIONS
1.1 – EXTERIOR ELEVATIONS
2.0 – STRUCTURAL FRAMING
2.1 – WALL FRAMING
3.0 – TYPICAL DETAILS
3.1 – TYPICAL DETAILS
3.2 – TYPICAL DETAILS
4.0 – ELECTRICAL AND LIGHTING PLAN
5.0 – REFLECTED CEILING PLAN
6.0 – GENERAL NOTES AND SPECIFICATIONS
6.1 – GENERAL NOTES AND SPECIFICATIONS
7.0 – WOOD FOUNDATION PLAN & DETAILS
M-1 – AIR CONDITIONING PLAN
R-1 – RAMP PLAN
R-2 – RAMP DETAILS

STATE OF CALIF.
Department of General
OCT – 9 1990
Office of the S
Structural Safety

★★★ NOTE:
UNIT "A" IS SHOWN ON PLANS
UNIT "B" IS A OPPOSITE HAND BUILDING (MIRROR IMAGE)
ALL BUILDINGS BUILT FROM THESE PLANS WILL BE UNIT "B" TYPE BUILDINGS

BUILDING DATA

OCCUPANCY	F-2
TYPE OF CONSTRUCTION	V-N
WIND LOAD	70 MPH WIND EXPOSURE "C"
FLOOR LIVE LOAD	50 lb/sq ft
ROOF LIVE LOAD	20 lb/sq ft
BUILDING AREA	960 sq ft
U.B.C. 1988	FIRE MARSHAL
U.B.C. 1988	STRUCTURAL
TITLE 24 REES CALIF CODE OF REGULATIONS	PART 2,3,4,5
TITLE 21 C.C.R.	
SYSTEM:	SHEAR WALL
MODULES	TWO (2) 12' x 40' MODULES

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 10-1-90
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT – 5 1990
Structural Safety Section
Application No. #2
Plan Checked By
ACCESS COMPLIANCE SECTION
APPROVED MAR 30 '90
A 53740
APPROVED MAR 30 '90
APPROVED JUL 25 2000 Q1 '90

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA 92370 (714) 943-4014

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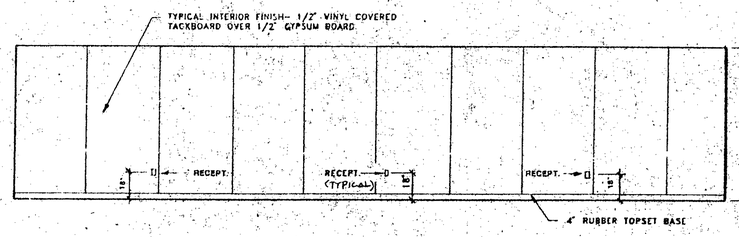
O.L.A.
TITLE 24 & 1988 UBC
P.C. 105
BINDING ORDER 1
11-17-89
0
SO2440B



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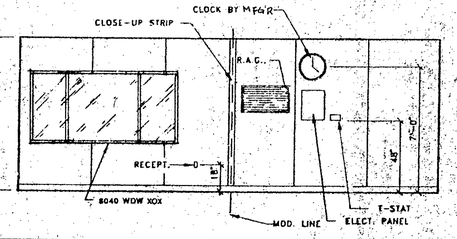

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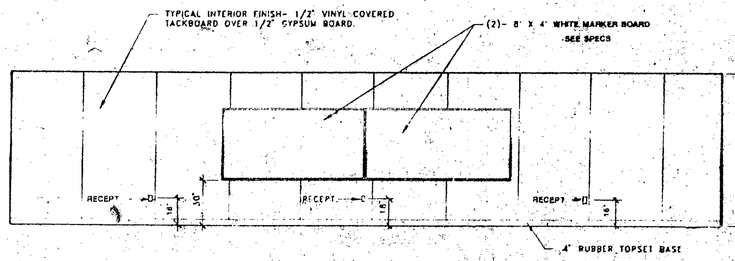

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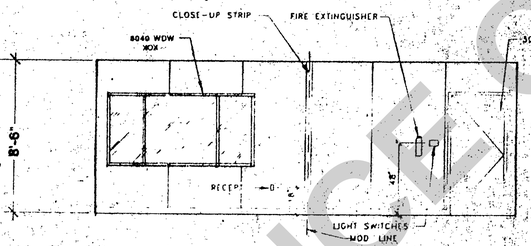
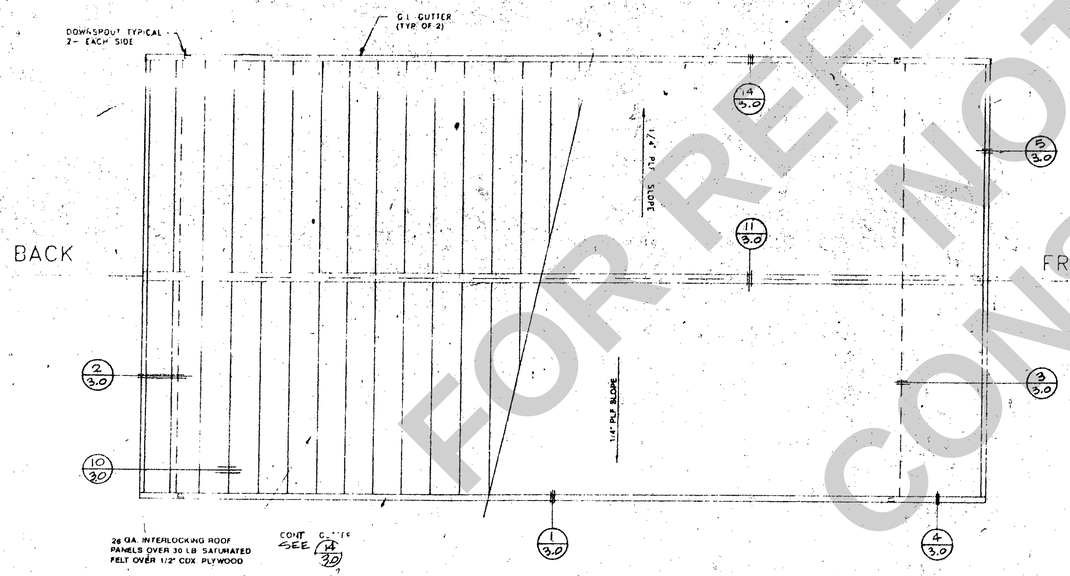


4

INTERIOR ELEVATIONS

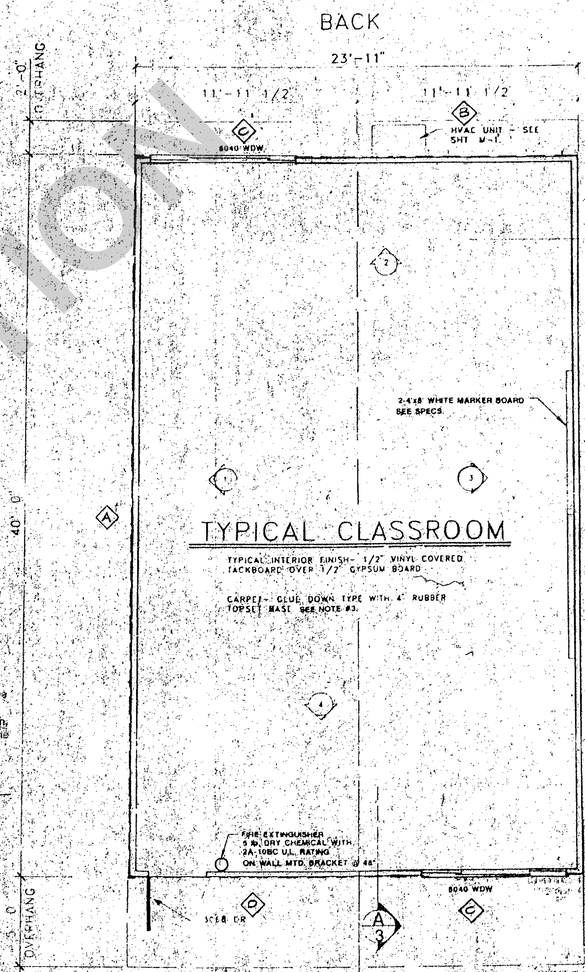
SCALE : 1/4" = 1'-0"



ROOF PLAN

SCALE : 1/4" = 1'-0"

1. TYPICAL INTERIOR FINISH: 1/2" VINYL COVERED TACKBOARD, FLAME SPREAD CLASS III, OVER 1/2" GYP. BD. OR 3/8" PLYWOOD. SEE SPECIFICATIONS.
2. 8040 ANODIZED ALUMINUM FRAME 5/8" MIN. DUAL PAINE WINDOW. XOX THE 5/8" DIMENSION IS THE MINIMUM THICKNESS. SEE SPECIFICATIONS.
3. FINISH FLOORING: CARPET PER STATE OF CALIFORNIA SPEC. COMPLYING WITH GROUP 1, TYPE A, CLASS 2B, 4600 DENSITY MIN. DIRECT GLUE DOWN, WITH BURKE 4" RUBBER TOP SET COVE BASE.
4. METAL TAG ON ALL MODULES, MECHANICALLY ATTACHED TO REAR EXTERIOR OF BUILDING, 3" X 1 1/2" TAG SHOWING O.S.A. APPLICATION NUMBER O.L.A. BUILDING NUMBER, DESIGN WIND LOAD, DESIGN ROOF LOAD, MANUFACTURERS NAME, & SERIAL NUMBER.
5. PAINT COLORS:
   DARK BROWN - FASCIA AND ALL TRIM
   MODTECH BEIGE - SIDING, SKIRTING AND SOFFIT
   NAVAJO WHITE - ALL INTERIOR TRIM
   PRE-FINISHED BRONZE - DOOR AND FRAME



FLOOR PLAN

SCALE : 1/4" = 1'-0"

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 10-1-90

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

STATE OF CAL. Department of General Services OCT - 9 1990 Office of the Structural Safety

IDENTIFICATION STAMP Department of General Services Office of the State Architect OCT - 5 1990 Structural Safety Section Appl. # 54412-8 Backchecked By JMG Inc#2

IDENTIFICATION STAMP Department of General Services TITLE 21 & 24 CBC NOV 19 1990 Structural Safety Section A.C.S. FIRE MARSHAL JAN 19 1990 STATE FIRE MARSHAL SOUTHERN REGION

DSA PERMITS ISSUED 1990

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MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

P.C. 105

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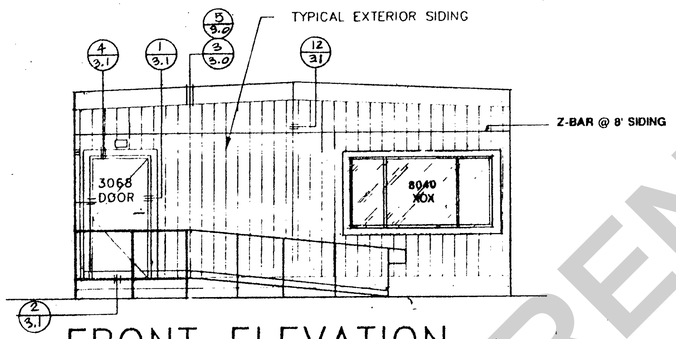
BINDING ORDER 2

11-17-89

1.0

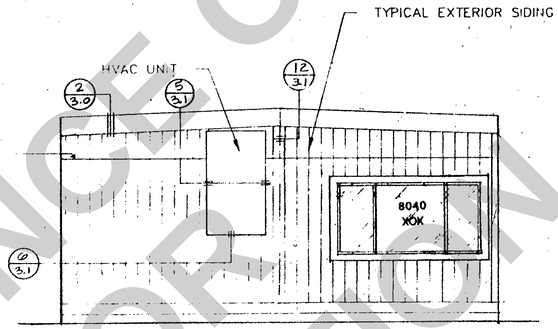
SO2440B

MCSD BID# 2024-5 _ 04/02/2025
Addendum No: 2



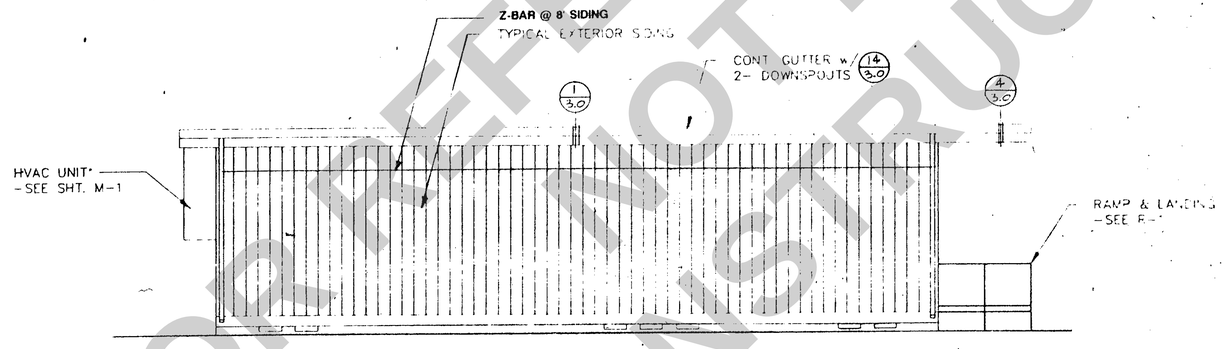
FRONT ELEVATION

SCALE 1/4" = 1'-0"



BACK ELEVATION

SCALE 1/4" = 1'-0"



SIDE ELEVATION

SCALE: 1/4" = 1'-0"

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

FINISH COLORS

FASCIA AND ALL TRIM: DARK BROWN
SIDING, SKIRTING AND SOFFIT: MODTECH BEIGE
ALL INTERIOR TRIM: NAVAJO WHITE
DOOR AND FRAME: PRE-FINISHED BRONZE

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O.S.A. IDENTIFICATION STAMP
Department of General Services
JAN 19 1990
Structural Safety Section
A.C.S.
FIRE MARSHAL
APPROVED FIRE AND PANIC ONLY
JAN 19 1990
STATE FIRE MARSHAL SOUTHERN REGION

DAVID PERKINS HESSE
No. C-20370
REGISTERED PROFESSIONAL ENGINEER
CIVIL
STATE OF CALIFORNIA

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 10-1-90

STATE OF CALIF. Department of Gen. Svcs.
OCT - 9 1990
Office of the State Structural Safety

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54412-B
Backchecked By dlw Inc#2

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
3740 MAR 30 '90
APPLICATION NEW or Add Back
OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
54412 OCT 01 '90

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2

IDENTIFICATION STAMP
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Office of the State Architect
NOV 1 1990
Structural Safety Section
Checked By A5374 C

P.C.-105

BINDING ORDER 3

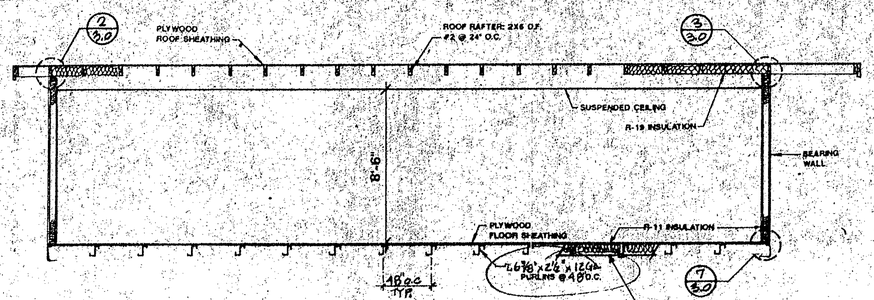
11-17-89

1.1

302440B

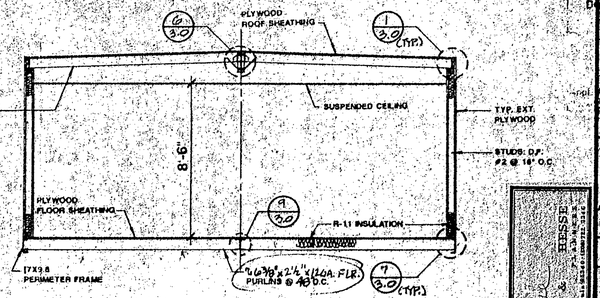
MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

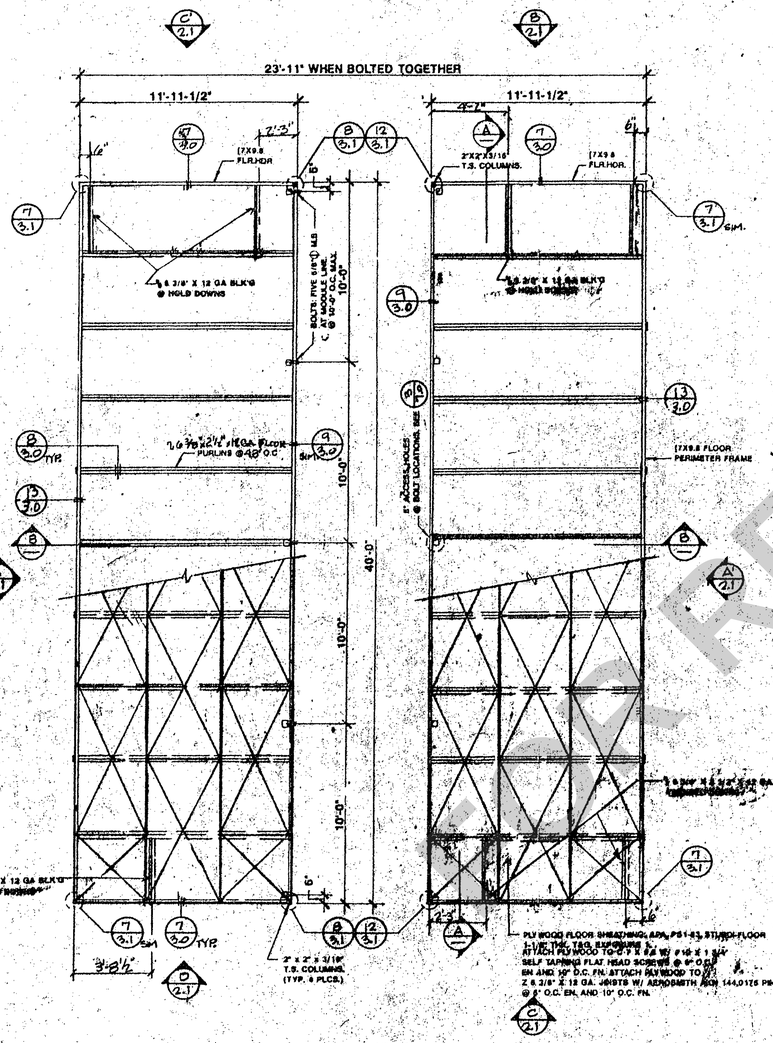


SECTION "A"

FLOOR INSULATION HELD IN FLOOR FRAME WITH BOTTOM BOARD PLASTIC ATTACHED OVER 2 X 4 SILL. ATTACH PLYWD STRIPS 2" MIN. WIDE, TO EVERY OTHER PURLIN WITH AEROSMITH SHOT PINS @ 24" O. C.

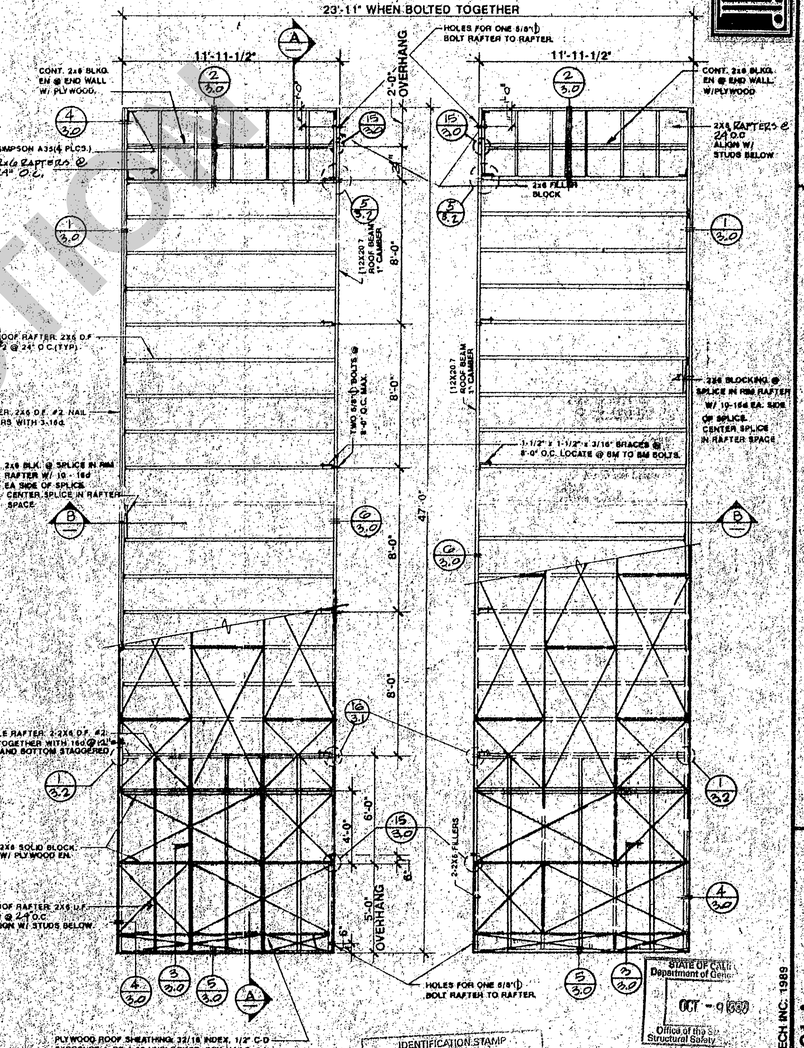


SECTION "B"



FLOOR FRAMING PLAN

FLOOR LIVE LOAD = 70 P.S.F.



ROOF FRAMING PLAN

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

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FIRE MARSHAL
License Expires 12-31-92

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Office of the Structural Safety

MAR 30 '90

5441 2 OCT 01'90

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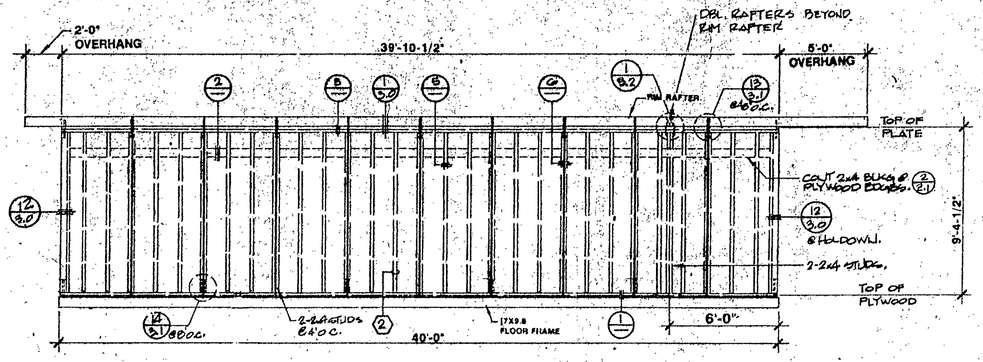
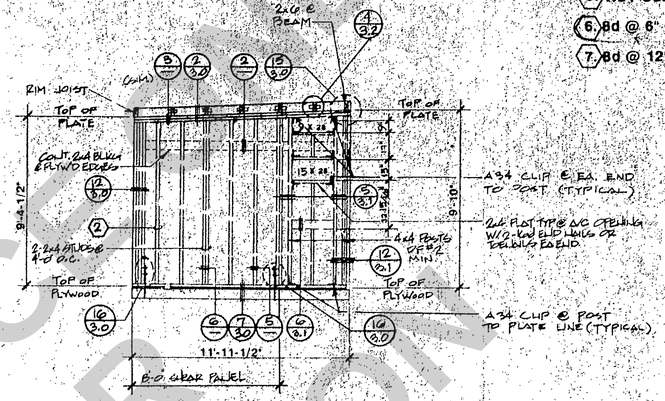
NOTES

1. ALL EXTERIOR NAILS TO BE GALVANIZED BOX.
2. 2X4 STUDS: DOUGLAS FIR #2 @ 16" O.C.(TYP.)
3. EXTERIOR PLYWOOD SIDING :
   SHEATHING NAIL W/ 8d GALV. BOX NAILS;
   WALL 'A' 6" O.C. EDGE, 12" O.C. FIELD.
   WALL B,C,C' & D 4" O.C. EDGE, 12" O.C. FIELD.
4. FRAME OPENING FOR STEEL FRAME DOOR:
   4 X 4 HEAD, 1-2X4 TRIMMER AND 2-2X4 FULL HEIGHT JAMB STUDS BOTH SIDES.
5. NOT USED
6. 8d @ 6" O.C.
7. 8d @ 12" O.C.



A



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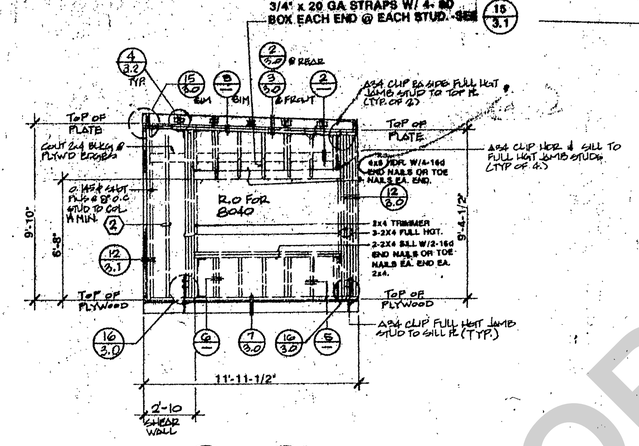
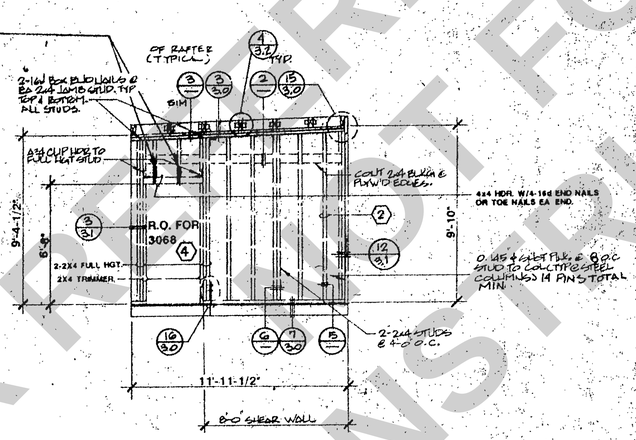


C C'



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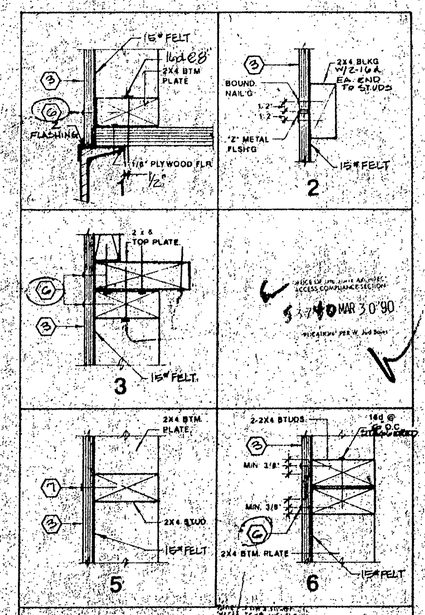

PANEL DETAILS 3" = 1'-0"

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Department of General Services
OCT - 4 1990
Office of the Structural Safety

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
54412 OCT 01 '90
APPLICATION FEE W/ 2nd Submit

CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE CALIFORNIA CODE OF REGULATIONS, TITLE 24. THE PROJECT AND GENERAL COMPLIANCE WITH THE APPLICABLE CODES. CONTRACTOR'S DRAWINGS AND SPECIFICATIONS SHALL BE CHECKED FOR DETAILED COMPLIANCE WITH THE CODES AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND FOR ALL CONSTRUCTION METHODS AND SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
Freet, Yen & Rosenberg, Inc.
5435 Balboa Blvd., Suite 103, Encino, CA 91316
BY JE DATE 4/16/90

see P28 details

Department of General Services
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JAN 1 1990
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MODTECH, INC.
195 EAST MORGAN STREET
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MODTECH

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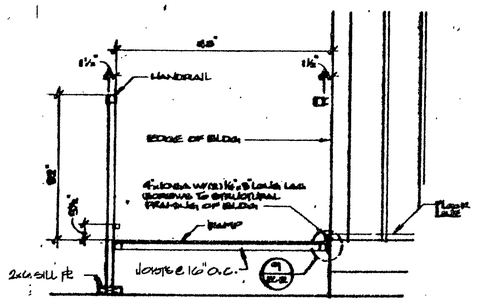
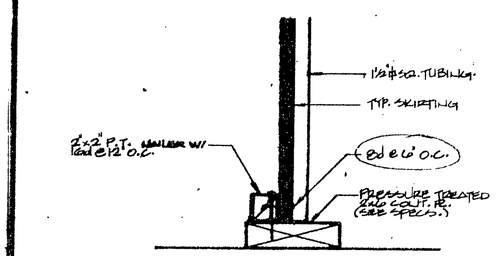
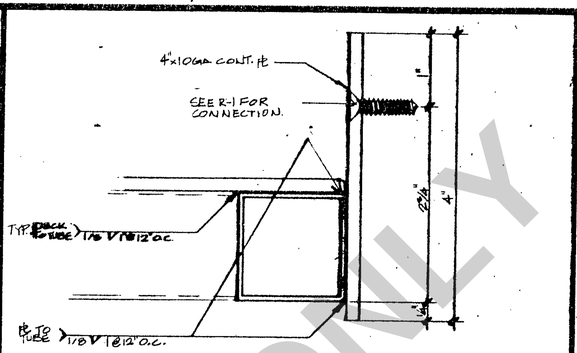
Addendum No. 2



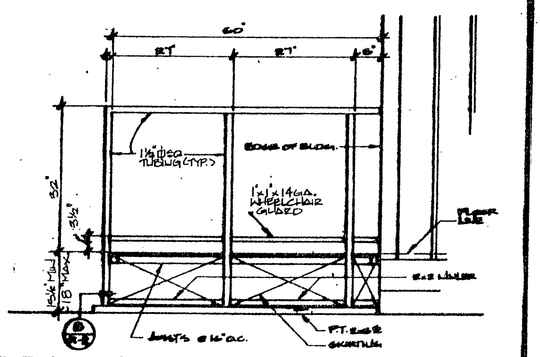
SECTION @ RAMP — SCALE: 3/4" = 1' — 1



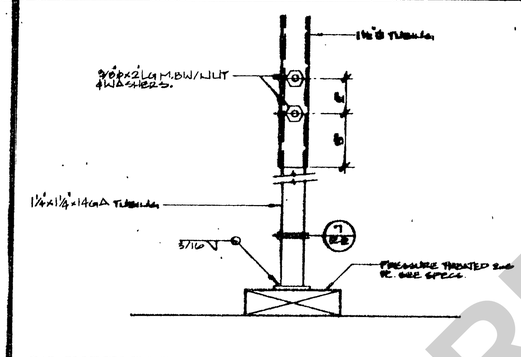
SKIRTING @ SILL PLATE — SCALE: 3" = 1' — 5



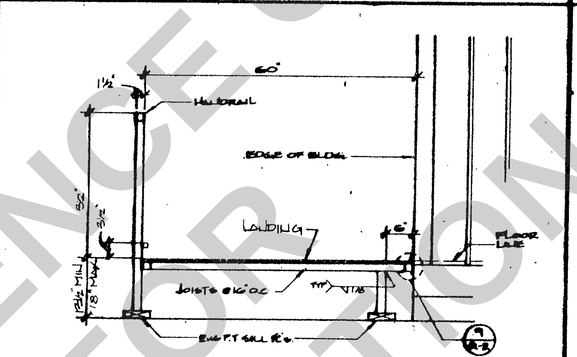
SECTION @ PLATE — SCALE: FULL — 9



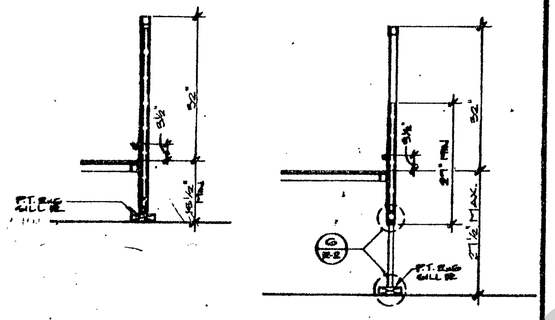
END ELEVATION — SCALE: 3/4" = 1' — 2



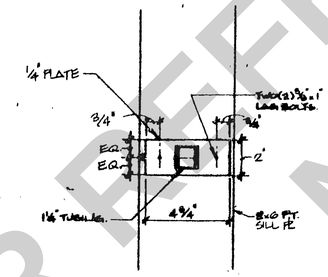
ADJUSTABLE LEG — SCALE: 3" = 1' — 6



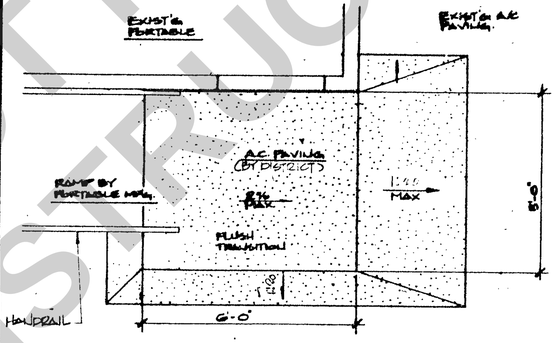
SECTION @ LANDING — SCALE: 3/4" = 1' — 10



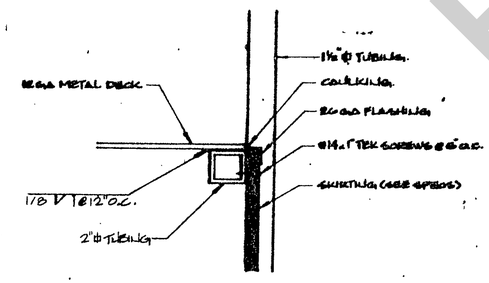
ADJUSTABLE LEG — SCALE: 3/4" = 1' — 3



BASE PLATE — SCALE: 3" = 1' — 7



RAMP TRANSITION — SCALE: 1/2" = 1' — 11



SKIRT FLASHING — SCALE: 3" = 1' — 4

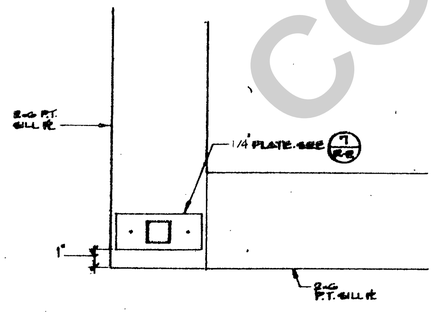
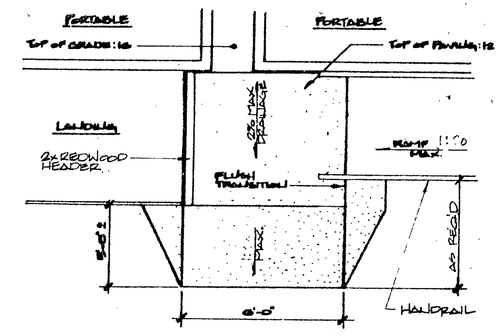


PLATE @ CORNER — SCALE: 3" = 1' — 8



NOTE: RAMP TRANSITION BY DISTRICT.

RAMP TRANSITION — SCALE: 3/8" = 1' — 12

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OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
MAR 30 '90
OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
54412 OCT 01 '90
APPLICATION PER W. Ad Dept

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Structural Safety Section
Appl. # 54412 03
Rechecked By K5574Q

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

MODTECH

BINDING ORDER 16
11-17-89
R-2

P.C. 106

Gary Doupnik Manufacturing, Inc.
Loomis, California

Title

SHEET No.	
A	TITLE SHEET
~~A-1 thru 10~~	~~SITE PLAN AND VICINITY MAP~~
A-2	FLOOR PLAN, ELEVATIONS AND SPECIFICATIONS
S-1	FLOOR AND ROOF FRAMING PLAN
S-2	SECTIONS AND DETAILS
S-3	DETAILS AND NOTES
S-4	FOUNDATION PLAN
S-5	PORTABLE RAMP AND STOOP DETAILS
E-1	ELECTRICAL AND REFLECTED CEILING PLAN

OFFICE OF STATE FIRE MARSHAL

APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: _____ 10-4-90

GENERAL:

a. All work to be in accordance with requirements of Title 21 and 24, California Administrative Code. A copy of Title 21 shall be kept on the job at all times. All change orders to be signed by the Owner and the Architect, and approved by OSA. All costs to be paid for by Owner.

b. Precedence - Drawings and Specifications: When an item or conflict is shown between drawings and specifications, the drawings will take precedence.

c. Erection at the Site: The building shall be transported, erected and foundation blocked by a licensed transporter. All required finish site work will be completed by skilled labor of the Manufacturer, but will not include utility service connection.

d. Site Work: The Owner, unless shown otherwise on the approved plans, will provide site(s) satisfactory to the Architect or Engineer for the installation of the relocatable buildings that are level and have stable soil conditions to 1000 psf with adequate site drainage, except if designated in the contract documents as the responsibility of the Manufacturer. If additional grading and/or leveling is necessary for proper installation of modular units, the additional charge will be the responsibility of the Owner.

e. Utilities: The Owner will be responsible for any and all utility and connections of fire alarm and any special egress signal systems, except if designated in the contract documents as the responsibility of the Manufacturer.

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OCT -5 1990
Structural Safety Section
Appl # 54412-9
Backchecked By Review Ltr #2

PROJECT: STATE PORTABLE CLASSROOMS

Sheet No.	DELIVERY LOCATIONS:
A-1-A	4 ea Lodi Unified School District Davis Elementary School 5224 East Morada Lane Stockton, CA 95212
A-1-B	4 ea Lodi Unified School District Elkhorn Elementary School 10505 North Davis Road Stockton, CA 95209
A-1-C	6 ea Lodi Unified School District Henderson Elementary School 13451 North Excension Road Lodi, CA 95204
A-1-D	1 ea Lodi Unified School District Houston Elementary School 4600 Acampo Road Acampo, CA 95220
A-1-E	3 ea Lodi Unified School District Lawrence Elementary School 721 Calaveras Street Lodi, CA 95240
A-1-F	X ea Lodi Unified School District Live Oak Elementary School 5099 East Bear Creek Road Lodi, CA 95240
A-1-G	1 ea Lodi Unified School District Lockeford Elementary School 19456 North Tully Road Lockeford, CA 95237
A-1-H	8 ea Lodi Unified School District Needham Elementary School 420 South Pleasant Street Lodi, CA 95240
A-1-I	2 ea Lodi Unified School District Nichols Elementary School 1301 South Crescent Avenue Lodi, CA 95240

Sheet No.	DELIVERY LOCATIONS:
A-1-J	9 ea Lodi Unified School District Oakwood Elementary School 3131 Woodcreek Way Stockton, CA 95209
A-1-K	2 ea Lodi Unified School District Parklane Elementary School 8405 East Shanteel Drive Stockton, CA 95210
A-1-L	3 ea Lodi Unified School District Victor Elementary School 17670 North Kettleman Road Victor, CA 95253
A-1-M	4 ea Lodi Unified School District Morada Eastview Middle School 5001 East Eastview Drive Stockton, CA 95212
A-1-N	2 ea Lodi Unified School District Lodi High School Oak and Pacific Streets Lodi, CA 95240
A-1-O	6 ea Lodi Unified School District Tokay High School 1111 Century School Lodi, CA 95240

STATE OF CALIFORNIA
Department of General Services
AUG 20 1982
Office of the State Architect
Structural Safety Section-Sacto.

STATE OF CALIFORNIA
Department of General Services
OCT -4 1990
Office of the State Architect
Structural Safety

Divisions 1,5,6 & 9 of the California Energy Conservation Standard for nonresidential buildings have been reviewed and the building design described on these pages is in substantial conformance.

David A. Dalmas RCE 17918 7-22-82
Signature License No. Date

Design Loads:
Roof Load: 20 PSF LL
Floor Live Load 50 PSF
Wind Load 15 PSF
Seismic Zone 4

1578

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3D Bldg Addendum

SIGNS

Pacific Consulting Engineers
Civil, Structural, Sanitary
444 W. Grand Ave., Suite 3, P.O. Box 1257
Escondido, Calif. 92025 Phone (714) 745-1213

Gary Doupnik Mfg., Inc.
WILLSTRETCH RD.
P.O. BOX 927
LOOMIS, CA 95650

Title Sheet

DRAWN
CHECKED
DATE
SCALE
JOB NO.
SHEET
A
OF SHEETS

MATERIALS AND WORKMANSHIP: All materials that will be used and furnished will be new, and the types and grade specified as required. All workmen will be skilled in the area of work they will perform. Framing lumber - grade stamped (WCLB) West Coast Lumber. Plywood - grade stamped (APA) - American Plywood Association, and PS1-74. Micro-Lam - General Testing and Timber Products Inspecting Agency - AA-507 and C-A-B-D - National Research Board Report - 126.

GENERAL SPECIFICATIONS

Foundation: See Plans Sheet S-4.

Sub-floor Structural Members: All members below subfloor/underlayment shall be pressure impregnated with an approved propose and preservative.

Framing: See Structural Plans Sheet S-2.

Exterior Walls: 5/8" thickness (nominal) Medium Density Overlay Siding, Simpson, Evans or equal timber company. Seal all edges with a heavy coat of exterior house primer or aluminum primer.

Moisture Barrier: All weather-exposed surface shall have a weather-resistive barrier applied over studs of all exterior walls. Barrier equal to U.B.C. Standard No. 17-1 for Kraft waterproof building paper or U.B.C. Standard No. 32-1 for asphalt-saturated rag felt. Felt or paper applied weather-board fashion, lapped not less than 2 inches at horizontal joints and not less than 6 inches at vertical joints.

Exterior Finish: Latex finish coat
Sherwin Williams Tough One C-1 Series, or
Universe Aquerius Series.

Siding Color: Gravel BM-73-12, Sherwin Williams
Adobe-54, Universe

Trim Color: Quarry Brown BM 72-3, Sherwin Williams.
Sahara-84, Universe

Trim: Seal all around with silicone or architectural grade caulking.

Skirting: 5/8" ungrooved, 303 siding ext-APA or B-C ext-APA with screened vents in sidewalls and endwalls.

Interior Walls: 1/2" vinyl covered tackboard over 1/2" gypsum board, Domtar No. 2001.

Baseboard - Cellulose fiber insulation board, Federal Specification - LLL-I-535a, Class A.

Vinyl Surface - Class II, Federal Specification - CCC-W-408A, Type I.

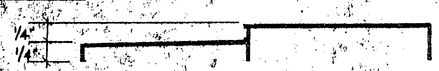
Four (4) inch coving installed around perimeter of room.

Tackboard Selection	Color
Heat pump wall	Terra Cotta or equal
Other walls	Champagne or equal

Door: 1-3/4" thick by 3'0" x 6'-8" flush door. 18 gauge steel face sheets with sound deadening interior material and 16 gauge steel frames.

Classroom Lock: Schlage D70PD or equal.
Door Closure: Norton 1600 Series or equal - adjust closure to 8.5 lbs. max operating pressure.
Weatherstripping: Aluminum with vinyl bulb, Pemko or equal.
Threshold: Pemko P490-50 or equal. See detail below.

THRESHOLD - 1/2" HIGH MAX.



Ceiling: Steel suspension grid suspended ceiling system - "Flangeklamp" exposed metal, RLM series, per ASTM-C-635 specifications; ICBO 1994; Title 21 California Administrative Code. Main (heavy duty) beam - RLM6-121, cross tee - RLC9-4, angle mold - RA-16-12. Acoustic Panels: 2' x 4' Owens-Corning "Sheetz" or equal.

Roofing: Johns-Manville, Specification No. 4, ANS built-up roofing. See Structural Plans Sheet S-2.

Windows: Two 8' x 4' anodized aluminum frame, 7/32" minimum tempered glass of neutral grey light with 12 to 16 percent light transmission. Type (XPX); two (2) sliders and one (1) fixed pane. International Aluminum Co. Series 1420 or equal. Screens included.

Carpet: Direct glue down type per State of California Specification 7220-XXX-01, Group 1, Type A, Class 24, Carpet Density 4600.

Insulation: R-19 in ceiling, R-11 in walls, R-11 in Floor; Johns-Manville or Owens-Corning.

Chalkboard: Two (2) 4' x 8' sections of chalkboard (1/4" tempered hardboard) mounted together side by side 30 inches off floor with an aluminum chalk trough. A full length map rail with six (6) map hooks shall be provided. A 1/2" staff size flag holder shall be provided. The above items manufactured by Nelson Adema Co., Naco Series 60 or equal.

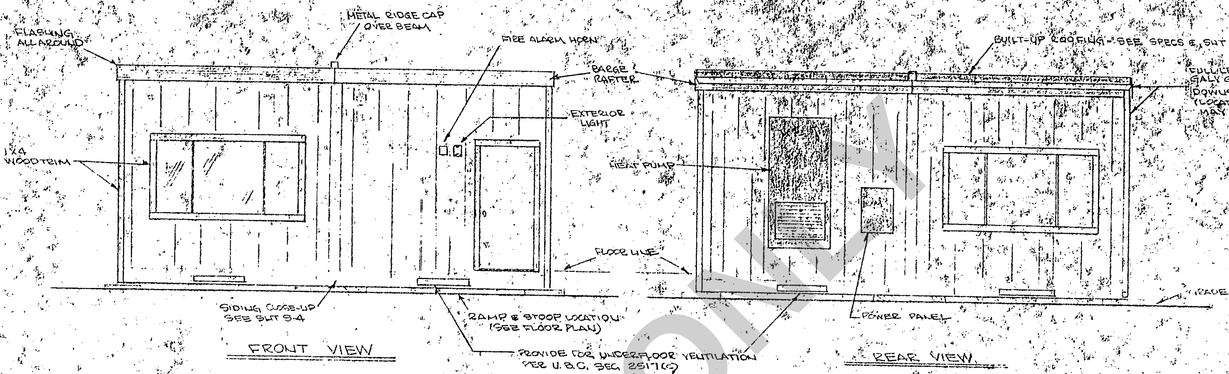
Fire Extinguisher: 2A - UL rating, pressure type, Kiddy GTP5-1 or equal. Top of extinguisher 54" from floor.

Wall Clock: See Plans, Sheet E-1.

Electrical: See Plans, Sheet E-1.

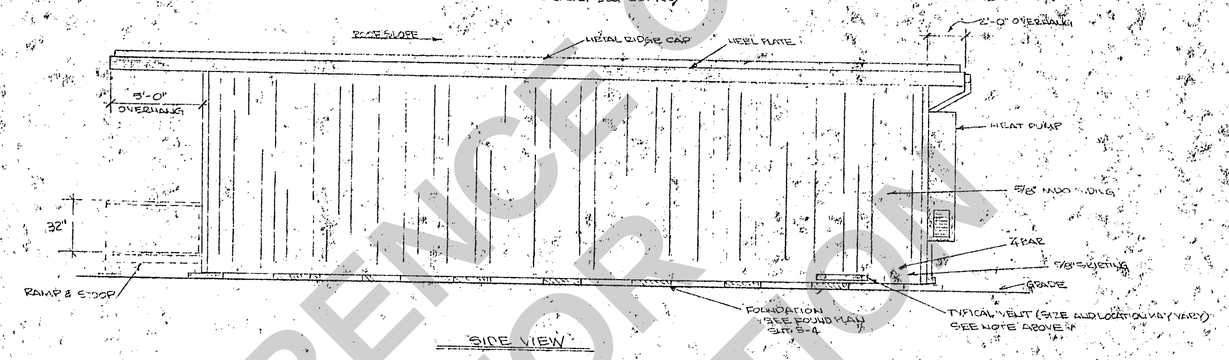
Heating, Vent. & A/C: Heat pump - See Plans, Sheet E-1.

Fire Alarm System: See Plans, Sheet E-1.



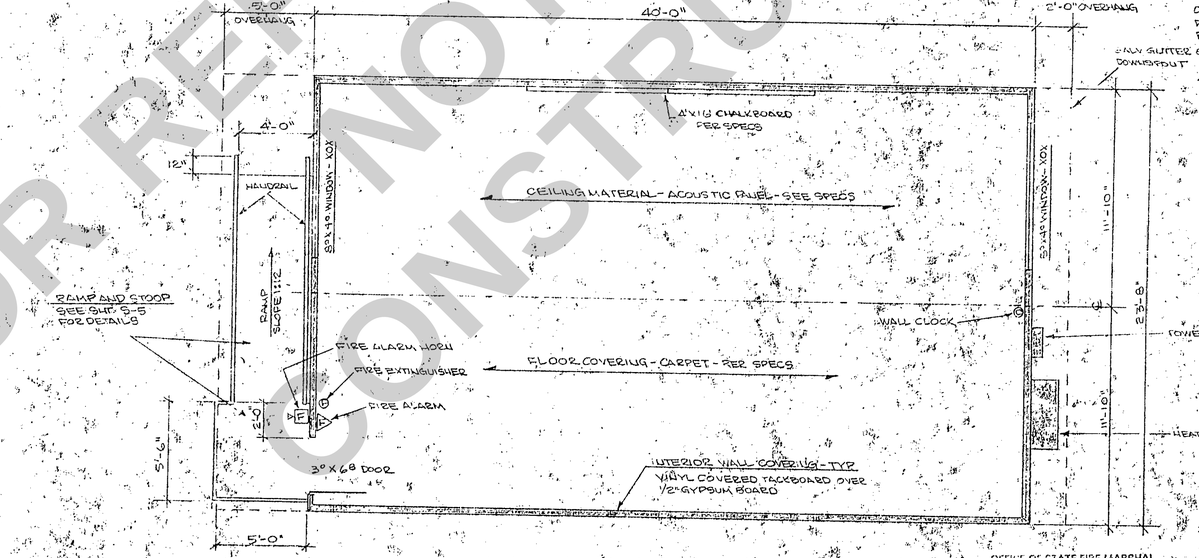
FRONT VIEW

REAR VIEW

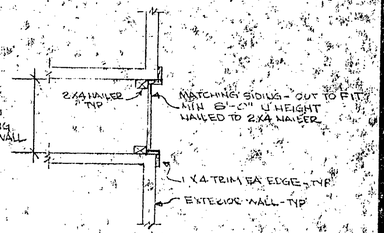


SIDE VIEW

ELEVATIONS



FLOOR PLAN



CLOSURE DETAIL WHEN UNITS ARE SET ADJACENT TO EACH OTHER

The Manufacturer shall place a permanent metal identification label on each module mechanically fastened to the outside on the endwall. Label shall show OSA Application No., Manufacturer Serial Number, and plant inspector's identification mark.

CERTIFICATION/APPROVAL

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OT - 51990
Structural Safety Section
Appl. # 54412
Plan Checked By

STATE OF CALIFORNIA
Department of General Services
AUG 2 0 1992
Office of the State Architect
Structural Safety Section

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the jobsite at all times.
Approved by: 10-1-92

STATE OF CALIFORNIA
Department of General Services
OCT - 6 1992
Office of the State Architect
Structural Safety

REVISIONS	BY

Pacific Consulting Engineers
Civil, Structural, Geotechnical
1210 G Street, Suite 315, Sacramento, CA 95814
(916) 447-7778

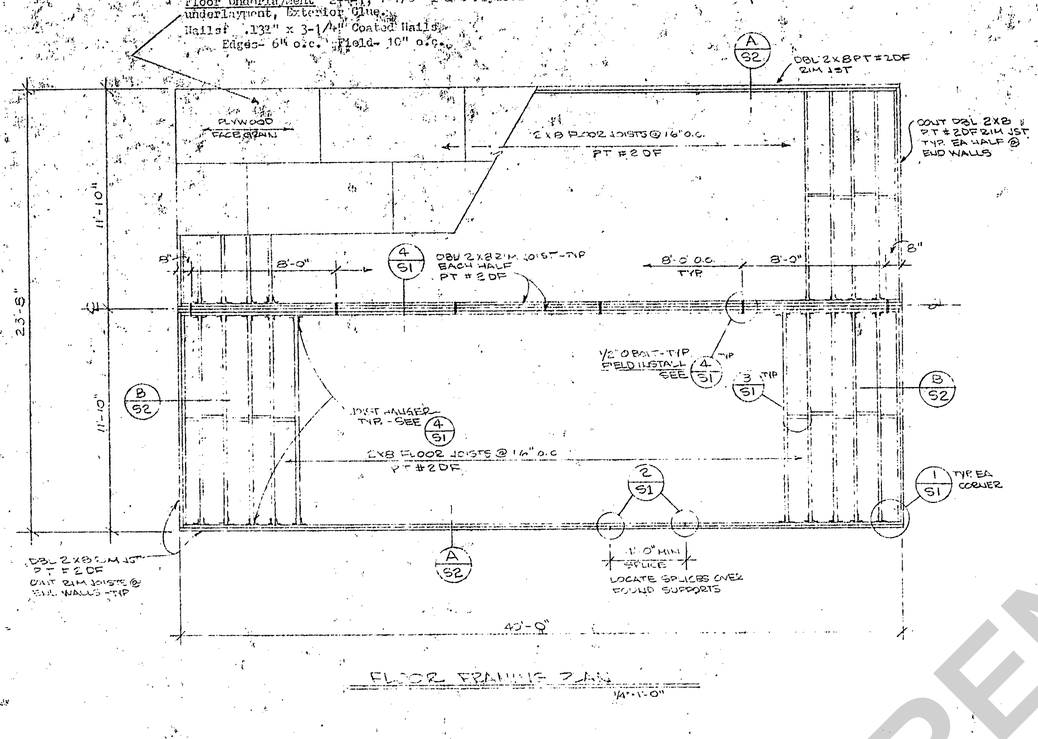
Gary Doupnik Mfg., Inc.

5 STATE PORTABLE CLASSROOM
Location of prefabricated classrooms: See site plan

FLOOR PLAN, ELEVATIONS AND GENERAL SPECS

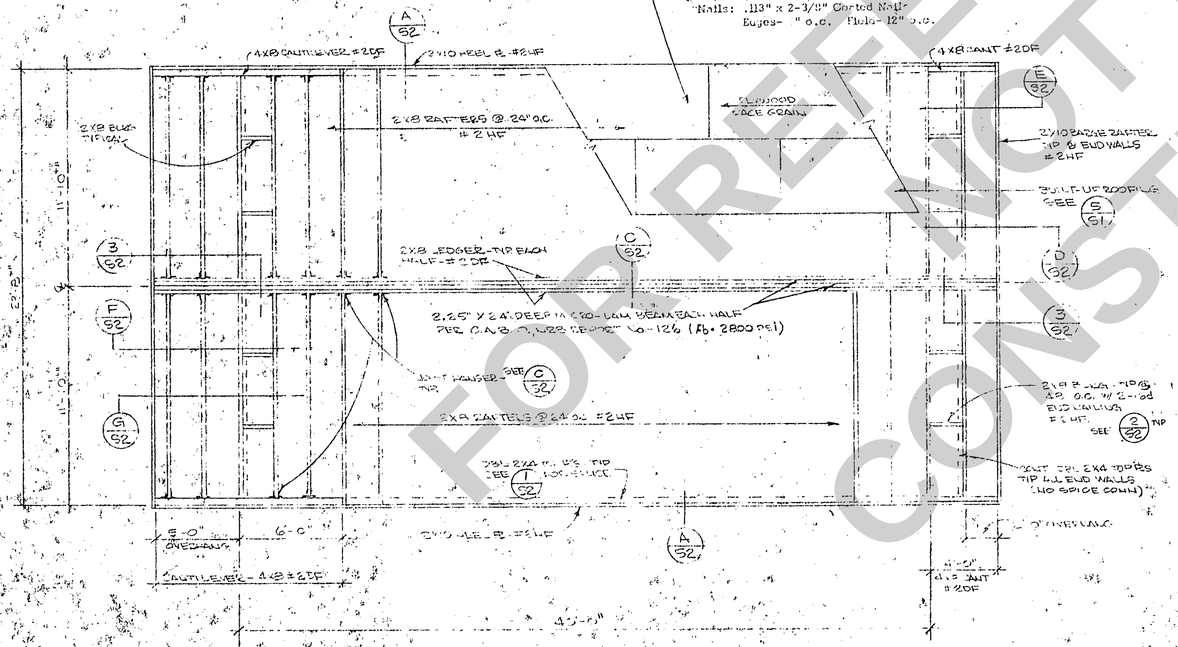
DRAWN	RA
CHECKED	
DATE	8-92
SCALE	NOTED
JOB NO	
SHEET	A-2
OF	SHEETS

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION



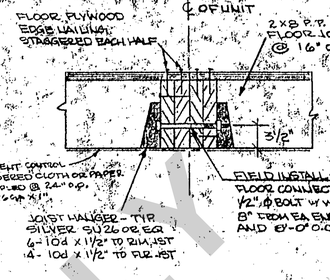
FLOOR FRAMING PLAN

1/4"=1'-0"



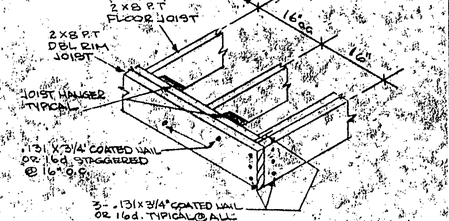
ROOF FRAMING PLAN

1/4"=1'-0"



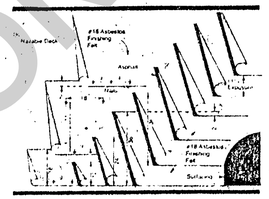
4/S1 FLOOR @ CENTERLINE

1 1/2"=1'-0"



1/S1 DBL RIM JOIST DETAIL

3/4"=1'-0"



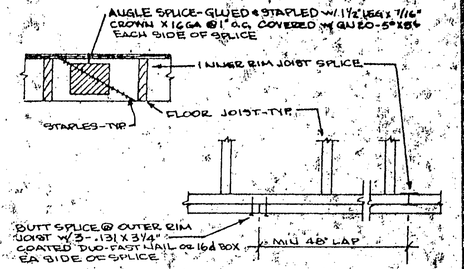
BUILT-UP ROOFING: Johns-Manville, Four Ply Smooth-Surface #18 Asbestos Specification A ANS. UL-Class "A", Installed per T21-3203(d)(2). Roof deck shall be firm, clean, dry and smooth.

BASE SHEET: #18 Asbestos Finishing Felt - 1 Ply. Base sheet shall be nailed to plywood deck per T21-3203(d)(2) using not less than one fastener per each 1-1/3 square feet. See manufacturer's recommendations on fasteners for nailable decks. Start base sheet with an 18" width. Following felts roll width with 2" laps.

#18 ASBESTOS FINISHING FELTS (3 PLIES): Embed three plies of felt in a uniform mopping of hot asphalt on an entire surface at a nominal rate of 20 lbs. per square. Felts to be applied so that the flow of water is over or parallel to, but never against, the laps. At least three plies shall cover the base felt at all locations with a 11-1/3" exposure.

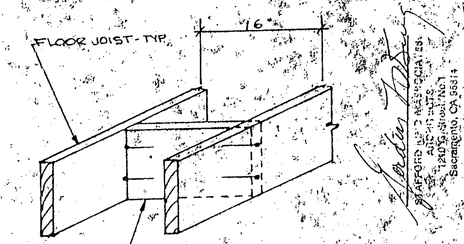
TOPPING: TYPE 8/5 FIBRATED SURFACING (ASTM-D 1227-76 TYPE I): Finish the entire surface with a uniform coating at a rate of 2-3 gallons per square. ALT. SURFACE COATING: BIRD FIBRATED ASPHALT EMULSION # 187. SPECIFICATIONS- ASTM D1227-66, TYPE I; 55-2-1181.

NOTE: SEE U.L. CLASSIFIED BUILDING MATERIAL DIRECTORY, PAGE 351, ITEM 15, U.L. CLASS "B" RATING - 4 AUS.



2/S1 RIM JOIST SPLICE DETAIL

NTS



3/S1 FLOOR BRIDGING DETAIL

NTS

DESIGN

ROOF LIVE LOAD	=	20 PSF
FLOOR LOAD	=	50 PSF
WIND LOAD	=	15 PSF
SEISMIC ZONE	=	4

CERTIFICATION/APPROVAL

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
S-51990
Structural Safety Section
Appl. # 54432
Backchecked By

STATE OF CALIFORNIA
Department of General Services
AUG 20 1982
Office of the State Architect - Structural Safety Section Stamp

STATE OF CALIFORNIA
Department of Gen
OCT - 6 1982
Office of the ... Structural Safety

REVISIONS	

"PACIFIC" CONSULTING ENGINEERS
428 J Street, Ste. 320 • Sacramento, CA 95814 • Phone: 916 442-7775

SLATE 4 PORTABLE CLASSROOM

Gary Doupnik Mfg. Inc.
3415 SHEFFIELD RD.
P. O. BOX 387
LODI, CA 95240

FLOOR AND ROOF FRAMING PLANS

DRAWN	
CHECKED	
DATE	MAY 1982
SCALE	NOTED
JOB NO	
SHEET	S1
OF	SHEETS

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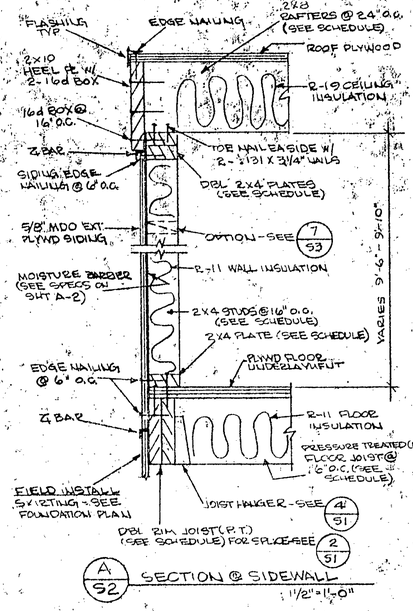
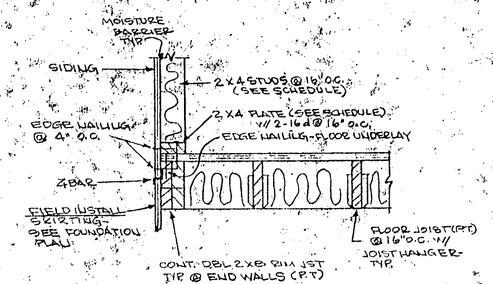
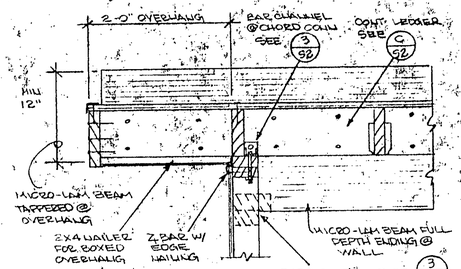


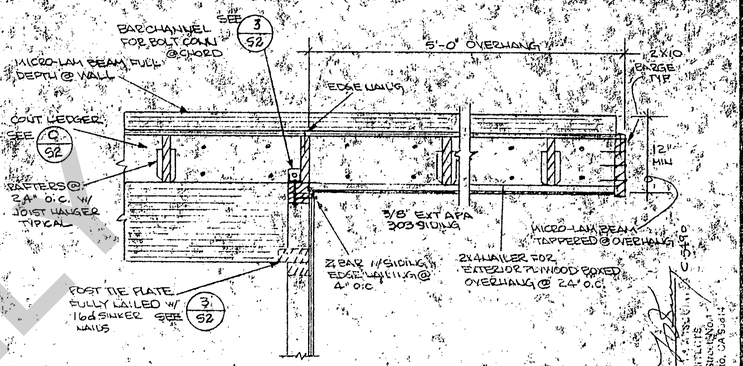
A/S2 SECTION @ SIDEWALL 1 1/2" = 1'-0"



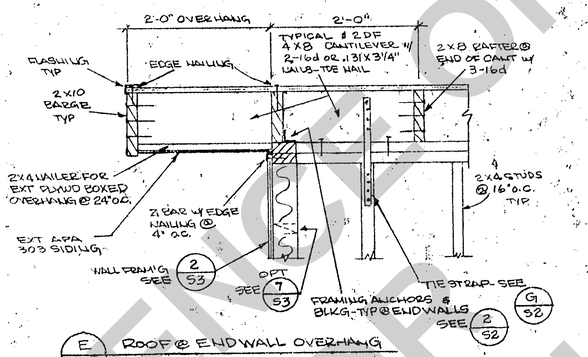
B/S2 TYP FLOOR @ ENDWALL 1"=1'-0"



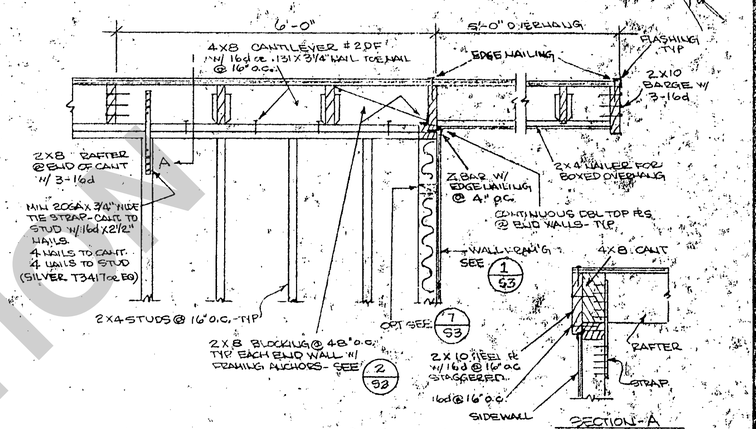
D/S2 BEAM @ OVERHANG 1"=1'-0"



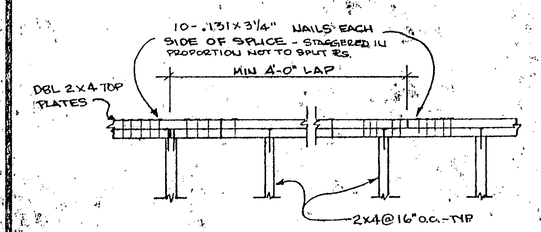
F/S2 BEAM @ OVERHANG 1"=1'-0"



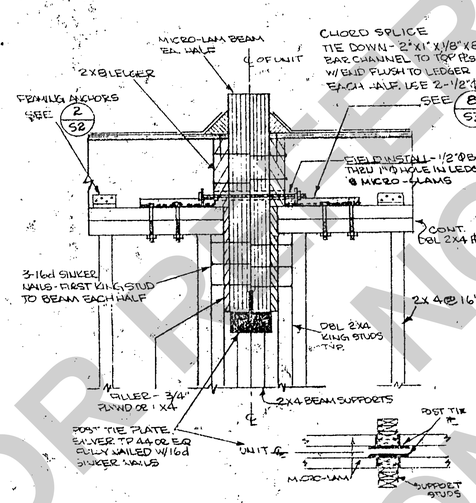
E/S2 ROOF @ ENDWALL OVERHANG



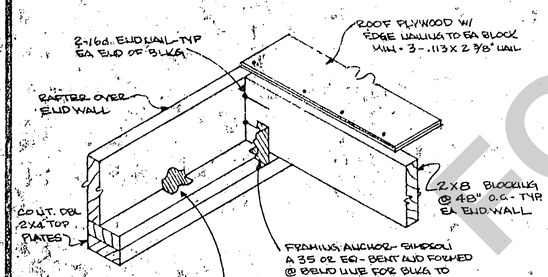
G/S2 ROOF @ ENDWALL OVERHANG 3/4"=1'-0"



1/S2 PLATE SPLICE DETAIL @ SIDEWALLS 1"=1'-0"



3/S2 END WALL DETAIL @ CENTERLINE 1 1/2" = 1'-0"



2/S2 DETAIL 1 1/2" = 1'-0"

FRAMING LUMBER GRADES - WCLB RULE - 16

Studs, sidewalls @ 16" o.c.	2x4 STD BTR DOUG-FIR	(KILN DRIED)
Studs, endwalls @ 16" o.c..	2x4 STD BTR DOUG-FIR	(" ")
Sole plate	2x4 STD BTR DOUG-FIR	(" ")
Top plates	2x4 STD BTR DOUG-FIR	(" ")
Floor joist @ 16" o.c.	2x8 PRESSURE TREATED (P.T)	#2 DOUG-FIR
Floor rim joists	2x8 P.T.	#2 DOUG-FIR
Roof joists @ 24" o.c.	2x8	#2 HEM-FIR
Roof cantilever mbr	4x8	#2 DOUG-FIR
Roof heel plate	2x10	#2 HEM-FIR
Roof barge rafter	2x10	#2 HEM-FIR
Roof ledger board	2x8	#2 DOUG-FIR
Foundation members	See Foundation Plan	

SCHEDULE

NAILING SCHEDULE

16d Typical

Rim joist to rim joist	1 end nail @ 16" o.c.
Sole plate to joist	2 face nails @ 16" o.c.
Sole plate to stud	2 end nails
Top plate to stud	2 end nails
Dbl. top plate	1 face nail @ 16" o.c.
Dbl. top plate at splice	See Detail, Sheet No. S-2
Top plate at corner-lap joint	4 face nails
Dbl. studs	1 face nail @ 16" o.c.
Multiple studs	1 face nail @ 16" o.c.
Built-up corner studs	1 face nail @ 24" o.c.
Rafter to top plate	2 toe nails each side
Two piece continuous header	1 face nail @ 16" o.c. along edge
Header to stud	3 end nails each end
End wall to sidewalls	1 face nail @ 8" o.c.

For framing listed above, Duo-Fast .131 x 3-1/4" coated machine driven nails can be used in lieu of 16d nails per ICBO Report #2403. All other nailing are otherwise noted on plans.

EXTERIOR PLYWOOD SIDING - 5/8" Medium Density Overlay, APA Exterior, Gp II

Endwalls: Duo-Fast .113" x 2-1/2" galv. coated
Edges - 4" o.c. Field - 12" o.c.

Sidewalls: Duo-Fast .113" x 2-1/2" galv. coated
Edges - 6" o.c. Field - 12" o.c.

ROOF SHEATHING - See Roof Framing Plan.

FLOOR UNDERLAYMENT - See Floor Framing Plan.

INTERIOR WALL COVERING - 1/2" vinyl covered backboard applied to 1/2" gypsum board with General Construction Type Panel Adhesive or equal. Each panel secured to top and bottom edges w/6d @ 16" o.c. 1/2" gypsum board -

Nails: 5d cooler nails @ 7" o.c.
Staples: 13 gal x 1-3/8" leg x 7/16" crown @ 7" o.c.

CEILING MATERIAL - Steel suspension T-grid system w/acoustic panels. See specifications and details on Sheet #E-1 of plans.

ROOFING MATERIAL - Built-up roofing material. See specifications and notes/details on Sheet #S-1 of plans.

DESIGN

ROOF LIVE LOAD - 20 PSF
FLOOR LOAD - 50 PSF
WIND LOAD - 15 PSF
SEISMIC ZONE - 4

CERTIFICATION/ APPROVAL

IDENTICAL TO Department of General Services Office of the State Architect
OCT - 5 1990
Structural Safety Section

STATE OF CALIFORNIA Department of General Services / Form 4-Plan Check
AUG 20 1982
Office of the State Architect Structural Safety Section-Hosp

Appl. # 5 4 6 2 7 - 7
Backchecked By Lime Inc #2

STATE OF CALIF. Department of General
OCT - 6 1990
Office of the State Structural Safety

4 4 5 7 0 11 C 2

REVISIONS	BY

PACIFIC CONSULTING ENGINEERS
4424 El Camino Ave., Suite A-2, Sacramento, Calif. 95821, Phone 916-482-5375

DSA APPROVED PER 1982 UBC & CBC
IN ACCORDANCE WITH TITLE 24, PART 1, CCR
STAMPED PLANS TO BE KEPT ON JOB SITE AT ALL TIMES

DSA

STATE PORTABLE CLASSROOM
DD PROTOTYPE
SECTIONS AND DETAILS

Gary Doupnik Mfg., Inc.
3415 SPEITZER WAY
MODESTO, CA. 95354
(209) 524-2672

DRAWN
CHECKED
DATE MAY 1982
SCALE NOTED
JOB NO
SHEET S-2
OF SHEETS

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

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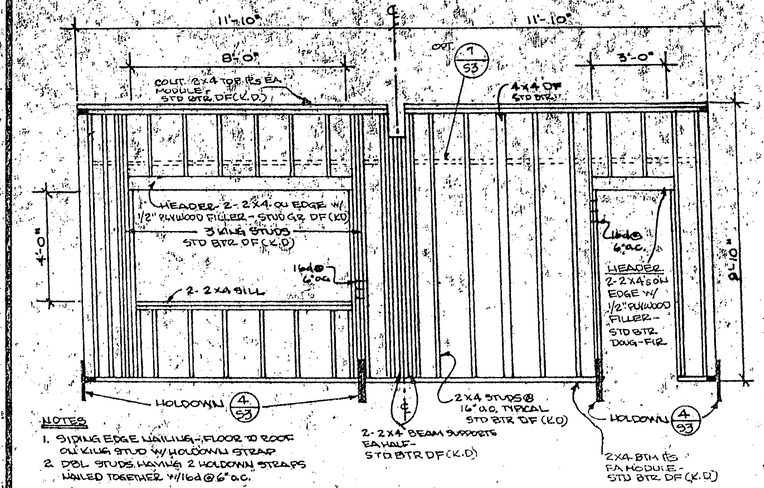
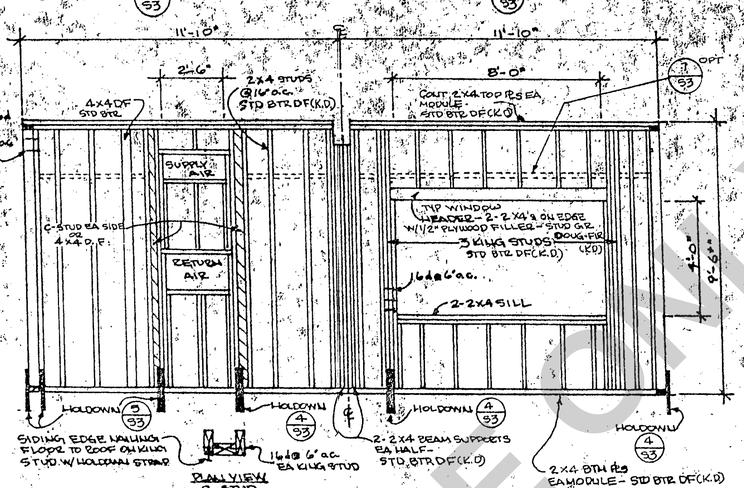
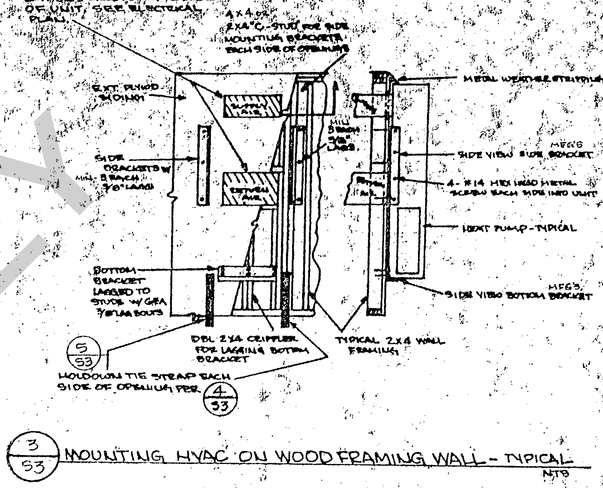


NOTES
1. SIDING EDGE NAILING - FLOOR TO ROOF
   OR KING STUD W/ HOLDOWN STRAP
2. DBL STUDS HAVING 2 HOLDOWN STRAPS
   NAILED TOGETHER W/ 16d @ 6" o.c.

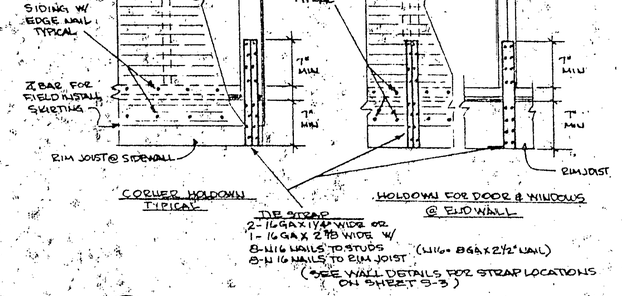
1/S3 END WALL FRAMING DETAIL
3/8"=1'-0"



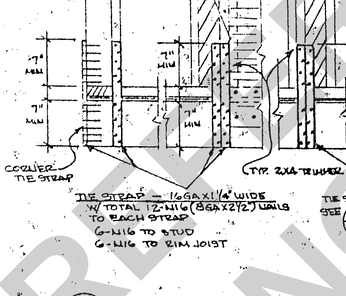
2/S3 END WALL FRAMING DETAIL
3/8"=1'-0"



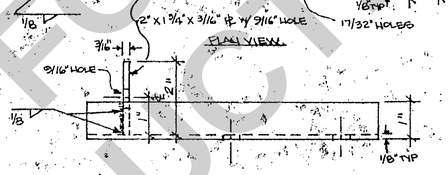
3/S3 MOUNTING HVAC ON WOOD FRAMING WALL - TYPICAL
NTS



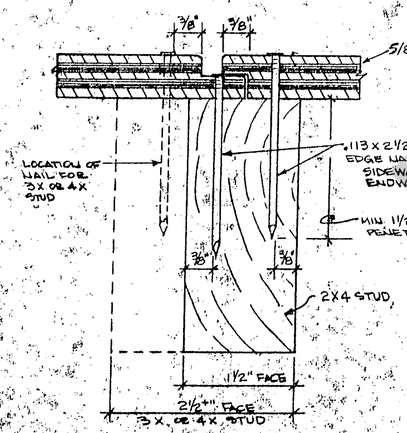
4/S3 HOLDOWN DETAIL
1"=1'-0"



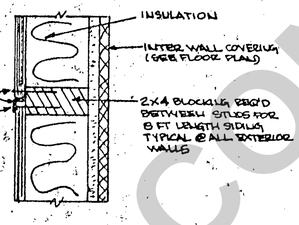
5/S3 HOLDOWN DETAIL
1"=1'-0"



8/S3 CHANNEL BRACKET - TIE DOWN
BAR CHANNEL - 2" X 1" X 1/8" X 8" SCALE: 6"=1'-0"



16/S3 PLYWOOD SHIPLAP JOINT
FULL SCALE



7/S3 DETAIL (APPLICABLE W/ 8 FT OPTIONAL SIDING)
3"=1'-0"

DESIGN
ROOF LIVE LOAD - 20 PSF
FLOOR LOAD - 50 PSF
WIND LOAD - 15 PSF
SEISMIC ZONE - "A"

CERTIFICATION/APPROVAL

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OSA - 51990
Structural Safety Section
Appl. # 54412
Rechecked By

STATE OF CALIFORNIA
Department of General Services
AUG 20 1982
Office of the State Architect
Structural Safety Section

STATE OF CALIF.
Department of Gen.
OCT - 6 1982
Office of the Structural Safety

4570 W8.02

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REVISIONS	BY

Pacific Consulting Engineers
1420 El Camino Ave., Suite 211, Sacramento, CA 95815 Phone: 916 / 922-7270
Gary Doupnik Mfg., Inc.
3415 SWITZER RD.
P.O. BOX 527
LOOMIS, CA 95650

MODULE CLASSROOM PROJECTS
DETAILS AND NOTES

DRAWN	
CHECKED	
DATE	MAY 1982
SCALE	NOTED
JOB NO.	
SHEET	S-3
OF SHEETS	

CRYSTALENE® Prepared Tracing Paper — 10 9155

SB 508 BIDR 2014 R - Dec 02 2015
Addendum No. 2

REVISIONS	BY
11-84 - ADDED CONC. @ A.C. LANDINGS & END OF RAMP	JC
11-84 - ELONGATED DETAIL NO. 3	JC

PACIFIC · CONSULTING ENGINEERS
1424 El Dorado Ave., Suite 200 · Chico, CA 95928 · 916-342-7224

DU PERTUIS
HISSEN
MARTINEZ

CARY DOUPNIK MANUFACTURING, INC.
3415 SWETZER ROAD, LOOMIS, CA 95650 (916) 652-2046

PORTABLE CLASSROOM
SCHOOL DISTRICT
VARIOUS LOCATIONS
SITE PLAN

PORTABLE STEEL RAMP & LANDINGS

FLOOR DECKING: 3/4" B-C GRADE APA 48/24 EXT. PLYWOOD WITH NON-SKID SURFACE, FASTENED TO STL. FLOOR JOISTS W/ 10-24 x 1 1/16" WAFER HEAD SHEETMETAL TEK-SCREWS OR EQ @ 12" O.C.

LANDING FLOOR LEVEL & HIGH SPACER W/ BLDG CONN PL

FACE GRAIN

POST-TYP

HANDRAIL EXTENDS 12" BYND LANDING

FIELD INSTALLED THRU POST CONN PLS SIM. SEE 5/54

16" HIGH POST

POSTS

BLDG CONN PL

FLR SUPPORT TYP - SEE 4/54

BLDG CONN PL TYP THIS SIDE OF 3 - SEE 8/54

2 EA FLR CONN PLS EVENLY SPACE SEE F/54

2'-6" TYP

4'-0"

5'-0"

RAIL HGRS

FLOOR JOISTS @ 24" o.c.

HANDRAIL

SIM CNR CONNER THIS SIDE 2/54

3'-0"

FLR SUPPORTS FLR TIE & BRACE

FIELD INSTALL BOLT THRU POST CONN PLS SIM.

Ø PT PAD SUPPORT BRACKETS ON A.C. LANDING

FLOOR JOISTS @ 24" o.c.

HANDRAIL TYP

FLOOR RAIL-TYP

FLOOR TIE RAILS & BRACING SEE 2/54

HANDRAIL EXTENSION BEYOND END OF RAMP

12"

END OF STL. ZEMD AND DECKING

STANDARD RAMP: 11'-0" MAX SLOPE - 1:12

LANDING: 2'-0"

PLAN VIEW - RAMP AND LANDING
1/2" = 1'-0"

FLR PLYWOOD DECKING

FLOOR JOIST

FLOOR RAIL-TYP

3/16

1 FLOOR CONNECTION - TYPICAL
3" = 1'-0"

TYP FLR CONN PL SEE 1/55 (SIM OPP END)

HORIZ PLATE TIE

POST

FLR RAIL HGR

1/8

DIAG BRACE (SIM OPP END)

PT PAD

BRACE DETAIL @ RAMP AND LANDING

2 FLOOR TIE & BRACE DETAIL
1 1/2" = 1'-0"

POST - SPACING TYP @ 5'-8" o.c. (MAX 4'-0" o.c.)

MIN 12"

TYP

TYP

6/54 HANDRAIL-SIM

10"

RETURN RAIL SLOPE TO HANDRAIL W/ PITCH 45° ANGLE

WHEEL STOP SIM

DECKING

3'-0" TYP

30" TYP

13 5/8" STD

CONCRETE @ A.C. LANDING

TYPICAL BY OWNER FLUSH WITH END OF RAMP

PT 2x12x12" PAD @ END OF STL RAMP TYPICAL EACH SIDE.

E/54

FLR JOIST @ 24" o.c.

2 x 12 PT PAD-TYP

3/54 SIM @ ALL POST

A RAMP - TYPICAL
1/2" = 1'-0"

6'-0"

7/54

FLR TIE & BRACING SEE 2/54

4/54 FLR SUPPORT SIM

ADDITIONAL PROVIDE INTERMEDIATE SUPPORTS @ MAX 4'-0" SPACING FOR LANDING LENGTHS OR WIDTHS 8'-0" OR LARGER

B LANDING - TYPICAL
1/2" = 1'-0"

POST

3/16" MIN

3/16" MIN

WELD-TYP

3/16" MIN

FLOOR RAIL

SECTIONAL (LHTS)

3/16

1 3/4"

3/4"

POST

4 1/2"

HOLE PUNCH 1/4" LAG BOLT TYP

3/4"

BASE PLATE - SQUARE POST SUPPORT 1 3/4" x 4 1/2" x 1/8" (LHTS)

BASE PLATE - ROUND POST 1 3/4" x 4 1/2" x 1/8" (LHTS)

1/8

WHEEL STOP (SQ OR RD) EA SIDE

POST - TYP (SQ OR RD)

DECKING

FLOOR RAIL HGR TYPICAL

3/16

FLOOR SUPPORT

P.T. 2x12x12" MIN PAD TYPICAL

STD HT 9 7/8"

BASE PLATE - TYP @ EA POST OR SUPPORT W/ 2- 1/4" x 4" LAG BOLTS TO P.T. PAD

3 POST TO FLOOR RAIL - TYPICAL

4 FLOOR SUPPORT TO RAIL - TYPICAL

LAG BOLT HOLE-TYP

3/16

1 3/4"

3/4"

4 1/2"

SUPPORT OR POST

1 1/2"

3/4"

SECTION A
1" = 1'-0" (SIM OPP END)

SLIP TO BLOCK CONN PLATE

8/54

POST @ END OF LANDING

POST @ END OF STEP

FLOOR DECKING W/ SOLID EDGE FASTENING (SIM OPP END)

1/4" PLYWD CLOSURE SIM TO DECKING W/ EDGE FASTENING (TYP @ 6" o.c. MAX.)

1/4" SLD BLOCKING THRU W/ SOLID FASTENING

FLR RAILS

STEP RAILS

TYP @ ALL CONN.

3/16

TIE RAIL

POST BASE W/ PITCH EQUAL TO 45° SIM TO

3/54

SECTION - B
1" = 1'-0" (SIM OPP END)

WHEEL STOP WHERE OCCURS

FLR RAILS

B

A

WEST TYP RAIL TO POST JOINT WELD

3/16

2" @ 12"

3/16

3/54

TIE RAIL

STEP RAIL

POST PLATE

PT PAD

SECTION A
1" = 1'-0" (SIM OPP END)

LANDING & HDRS SIM TO STD LANDING RAMP

BLDG CONN PL SEE ELEVATIONS

12" HANDRAIL EXTENSION W/ 90 ROUND ENDS TYP

FLR RAIL

FLR JOIST

A

B

4'-0"

ALL WELDERS MUST BE QUALIFIED (WEIGHT PER AWS D1.1 SECTION 3.22) THE GREATEST WIDTH OF STRUCTURAL FLOOR MEMBERS IN ANY FLIGHT OF STAIRS SHALL NOT EXCEED FIVE SIXTHS (5/6) OF THE CLEAR WIDTH OF THE STAIR BETWEEN HANDRAILS. SEE CBC SECTION 1009.3

STEP RAILS

TIE RAIL

HSS 3x3 POST TYP

HANDRAIL

INSTALL INTERMEDIATE SUPPORTS @ MAX 4'-0" SPACING TYP FOR WIDTHS OVER 4'-0"

PLAN VIEW 1/4" = 1'-0"

9 OPTIONAL STEPS & LANDING

RAMP, LANDING AND OPTIONAL STEP(S) STEEL MEMBERS

Handrails: 14GA x 1.66"Ø TUBE; WALL THICK=.08"; ASTM-A513 TYPE 5

Wheel Stops: 14GA x 1.66"Ø TUBE OR 14GA x 1 1/4" □ TUBE, ASTM-A500

Floor Joists: 11GA x 1 1/2" □ STRUCT TUBE; WALL THICK=.120", ASTM-A500 @ 24" o.c.

Floor Rails: 11GA x 1 1/2" □ STRUCT TUBE; WALL THICK=.120", ASTM-A500

Floor Tie Rails and Bracing: 14GA x 1 1/4" □ TUBE; ASTM-A500

* Connection Plates: FLAT H.R. STL, 1/8" THICK; ASTM-A1020

Landing Floor Supports: 11GA x 1 1/2" □ TUBE OR 14GA x 1 1/4" □ TUBE A513-A500

Posts: 14GA x 1.66"Ø TUBE @ MAX 48" o.c. OR 14GA x 1 1/2" □ TUBE @ 48" o.c. ASTM-A513 & ASTM-A500

Step Rails: ALL HSS5 - 11GA x 1 1/2" □ STRUCT TUBE

Welds: SEE DETAILS

* MERCHANT QUALITY AS MFG BY HIGGINBOTHAM BROS, LTD STOCKTON, CA OR EQUAL MFG

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Structural Safety Section

Checked by SMC Inc #2

CERTIFICATION / APPROVAL

AGENCY

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By

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JOB NO
SHEET S-4
OF SHEETS

S-4

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E END OF RAMP @ POST
3/4" = 1'-0"

POST TO BE SECURED TO P.T. PAD SIM TO

3/54

END OF RAMP FLOOR JOIST NOTCHED & WELDED TO POST

DECKING EDGE FASTENING W/ PLYMETAL SCREWS - TYP

END FLR JOIST

2x12 PT PAD & RUNNING FACIA EL W/ HANDRAIL

2x WIDTH OF RAMP - PARALLEL TO FLR JOIST

2x PT SUPPORT - BLKG PARALLEL TO FLR JOIST

F SECTION - FLOOR @ RAMP AND LANDING
3/4" = 1'-0"

RAMP

LANDING

PLYWD FLOOR DECKING W/ PLYMETAL OR EQ EDGE FASTENING

FLOOR RAIL @ RAMP - FIELD INSTALL ONTO CONN PLATES

FLOOR RAIL @ LANDING W/ CONN PLATE WELDED TO IT AT 2 LOCATIONS (SEE PLAN VIEW)

1/2" LIP

1 1/4" WIDE x 1/8" CONN PLATE - SKEW TO RAMP SLOPE

3 3/8"

1/8" AT LANDING ONLY.

6 HANDRAIL DETAIL
NTS

HANDRAIL

1/8

EASE

POST-TYP 2Ø OR SQ TUBING

END VIEW

HANDRAIL

1/8

HOT ROLL'D SQ 2.1/58 W/ FORMED HANDRAIL

PLAN VIEW

7 HANDRAIL @ COUPLER
NTS

1 1/4"

H HOLES EVENLY SPACED FOR 2-PBX 2" PLUGS

1/8

2 1/2"

1"

FLOOR RAIL - HSS2 SQ POST

1 1/4" x 2 1/2" x 1/8" CONN PLATE (SIM @ HSS2X2; POSITION) SEE PLAN VIEW FOR LOCATIONS TOTAL = 3

8 BUILDING CONNECTION PLATE
NTS

C SECTION @ RAMP
3/4" = 1'-0"

4'-0"

MIN 1 1/2" CLR

EXT WALL

6/54

POST EA SIDE TYP

30"

WHEEL STOP EA SIDE TYP

DECKING W/ NON-SKID SURFACE

FLR JOISTS @ 24" o.c.

FLR RAILS EA SIDE TYP

2 x 12 PT PAD TYP

FLR JST AND BRACE WHERE OCCURS - SEE PLAN VIEW

2/54

D SECTION @ LANDING
3/4" = 1'-0"

5'-0"

EXT WALL

7/54

7 1/2"

HANDRAIL

RAMP TO LANDING CONN @ POSTS SEE PLAN VIEW

POST

5/54

WHEEL STOP 3" H

RAIL HGRS

FLR JOIST @ 24" o.c.

BLDG CONN PL TYP @ FLR LVL EACH BLD THIS SIDE, PLUS EACH SIDE RAMP

8/54

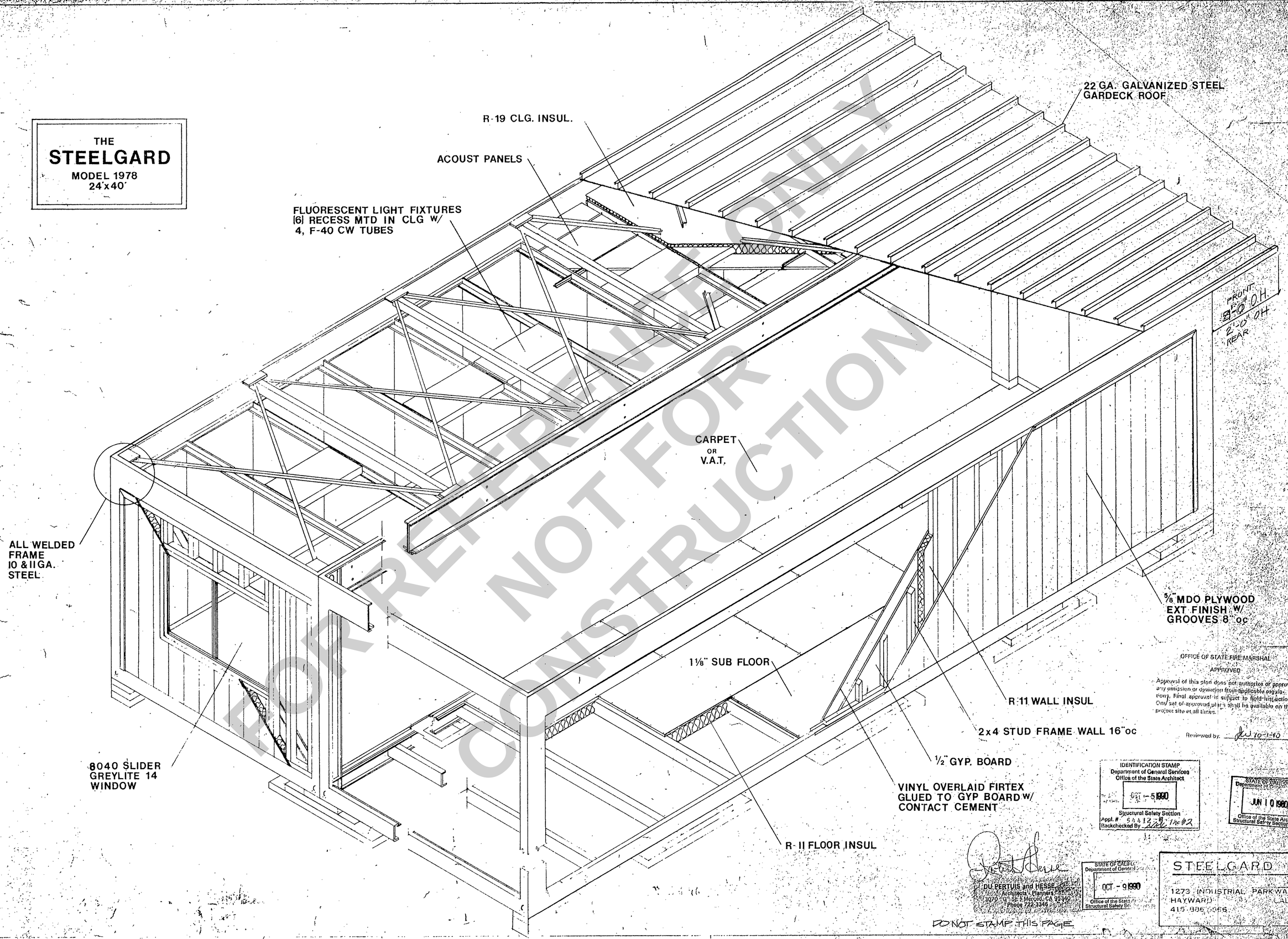
FLR SUPPORT

FLR TIE & BRACE (SEE PLAN VIEW) AND 2/54

4'-0"

MCSD BID# 2024-5 04/02/2025
ADDENDUM #2

THE
STEELGARD
MODEL 1978
24'x40'



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Structural Safety Sec

DU PERTUIS and HESSE
Architects - Planners
1070 10th St. Merced, CA 95340
Phone 722-3345

STEELGARD INC.
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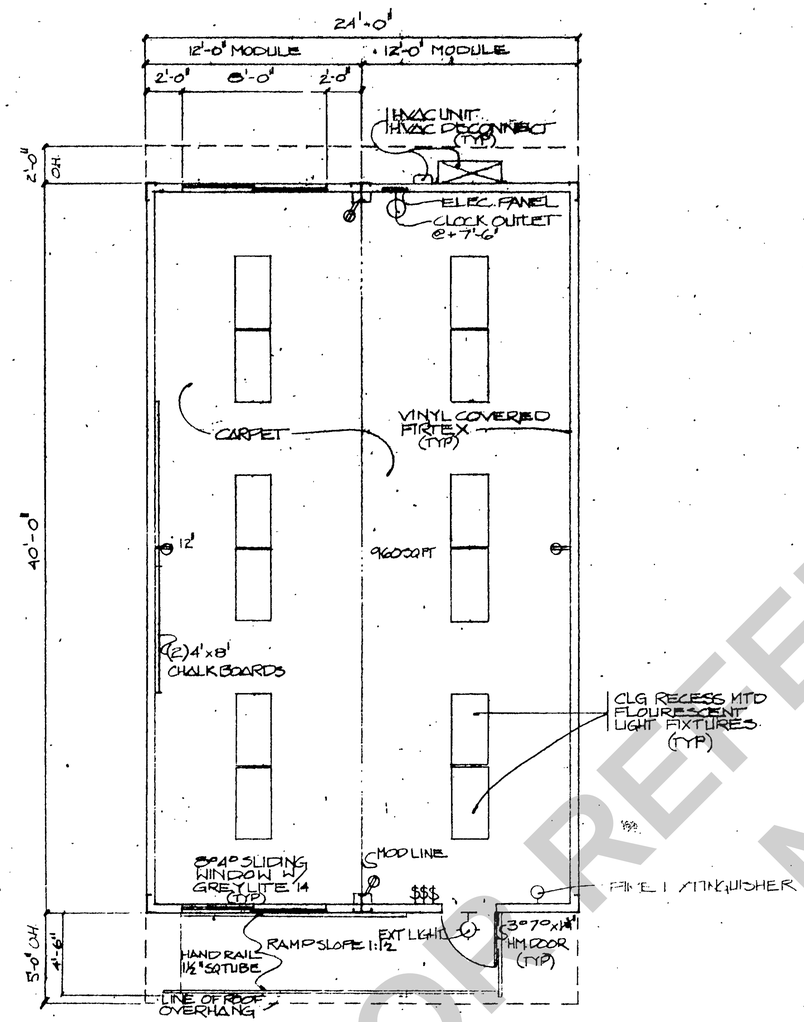
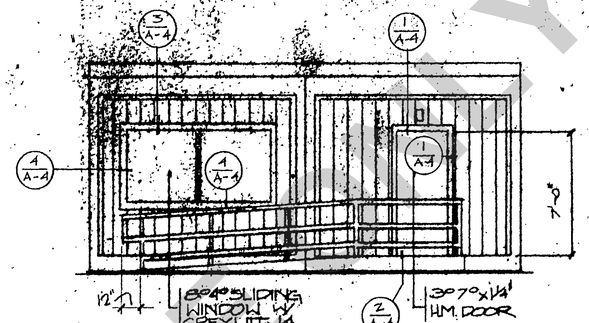
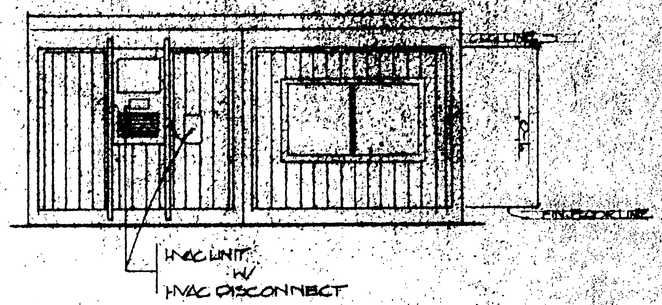


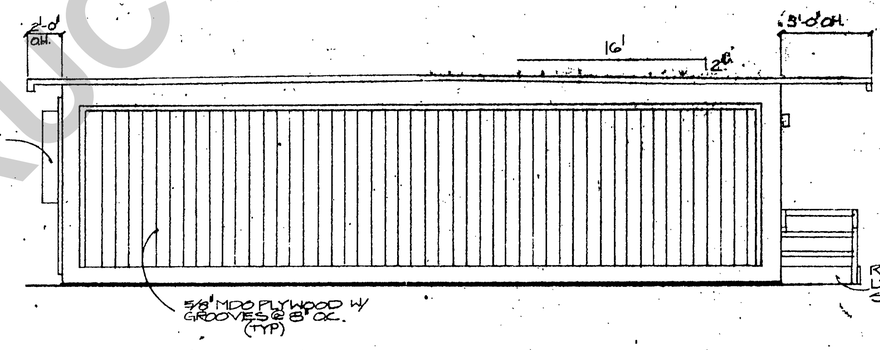
A-2 FLOOR PLAN
SCALE ¼" = 1'-0"



B A-2 FRONT ELEVATION



C A-2 REAR ELEVATION



D A-2 SIDE ELEVATION

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DEC 11 '79
Per JJ Meehan REA
FIELD STRUCTURAL ENGINEER

DU PERTUIS and HESSE
Architects - Planners
3070 "G" St., Merced, CA 95340
Phone 722-3348

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C 5490
ARCHITECT
Keith P.J. Dantzig 561635
ENGINEER

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42576
DEC 12 '80
Per

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1273 INDUSTRIAL PARKWAY, WEST
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5'-0" O.H FRONT
2'-0" O.H REAR

#14 x 1/4" x 3/4" TEK SCREW W/ NEOPRENE WASHER @ 16" O.C. (TYP)

'GARDECK' 3M ROOF PANEL (22 GA)

22 GA 3M GUTTER

RAIN WATER LEADER W/ 3M STRAPS 3x4 22 GA. W/ #14 x 1/4" x 3/4" TEKS (TYP)

CAULK

1/8" FILLER BLOCK W/ 2 1/2" x 3/8" ϕ LAG BOLT @ 2'-0" O.C TYP.

TYPICAL SIDING 5/8 MDO - PLYWOOD W/ GROOVES @ 8" O.C.

22 GA G.I FLASHING

CARPET DIRECT GLUE DOWN

RWD FOUND BLOCK SEE SHT S-1

MODULE LINE

'GARDECK' 3M ROOF PANELS 22 GA SET IN BED OF MASTIC

ROOF BEAM

5/8 ϕ M.B.S @ 8'-0" O.C. MID 24" O.C FROM FACE OF COL.

ROOF PURLIN

R-11 UNDER FLOOR INSULATION (TYP)

5/8" ACOUSTICAL CLG PANEL SEE E1 FOR DETAIL AT LIGHT FIXTURES

VINYL OVERLAID FIRTEX GLUED TO GYP BD W/ CONTACT CEMENT

1/2 GYP BD W/ 5d COOLER NAILS @ 8" O.C.

3 1/2" BATT INSULATION

2x4 STUDS @ 16" O.C.

3/8 MDO PLYWD GROOVED @ 8" O.C SIDING W/ 6d RING SHANK GALV NAILS @ 6" O.C EDGES & 12" O.C @ INTERMEDIATE BEARINGS

1/2" PLYWOOD 2-4-1 FLOORING #10 x 2" TEKS @ 8" O.C. 16d @ 16" O.C. POWDER DRIVEN

FLOOR BEAM 5/8 ϕ MB SEE (1/S-2) FOR SPACING

GIRDER

CAULKING

1" CLR. TYP

BLANKET INSULATION

3'

1'-4" RD

1'-2"

9'-0"

11'-4"

5/8" EXTERIOR PLYWOOD SKIRTING W/ SCREENED VENTS

(5/A-3) SECTION ⊥ TO FLOOR GIRDERS
3" = 1'-0"

(4/A-3) SECTION MODULE LINE
3" = 1'-0"

(3/A-3) SECTION ∥ TO FLOOR GIRDER
3" = 1'-0"

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11GA.

(6/A-3) ANCHOR CLIP

WALL MATERIAL AS DETAIL (3)

CAULKING

22 GA VINYL WRAPPED METAL COVER

11GA ANCHOR CLIP W/ #14x1"SMS @ CLIP TO COL. CONN. & 5/8" ϕ x 1 1/2" LAG BOLT INTO STUD @ 2'-0" O.C.

2"x10 WD. @ 24" O.C. (TYP.)

CORNER COLUMN

CAULKING

(1/A-3) SECTION CORNER COLUMN
3" = 1'-0"

11 GA. ANCHOR CLIP W/ #14 1" SMS @ CLIP TO COLUMN CONN. & 5/8" ϕ x 1 1/2" LAG BOLT INTO STUDS @ 2'-0" O.C.

1'-0"

WALL MATERIALS AS DETAIL 3

22 GA. VINYL WRAPPED SM COVER W/ 2"x10 WS @ 24" O.C. (TYP)

5/8" ϕ MB @ 3'-0" O.C. 7/8 MB 18" FROM CL EDGE

12"x10 WS @ 24" O.C. (TYP)

CORNER COLUMN
CAULKING
MODULE LINE

(2/A-3) SECTION MODULE LINE COLUMN
3" = 1'-0"

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C 5490
ARCHITECT

Kent P. J. Bentson #16135
ENGINEER

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Phone 722-3346

STEELGARD, INC.
1273 INDUSTRIAL PARKWAY WEST
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Addendum No. 2

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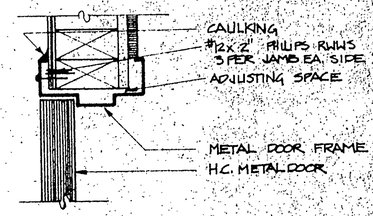
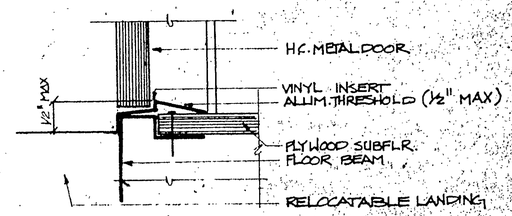
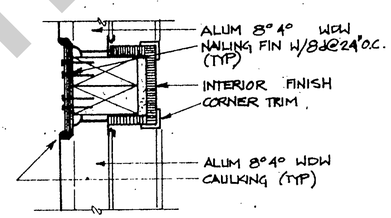


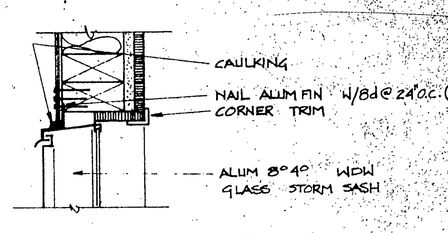
1 DOOR HEAD & JAMB
3" = 1'-0"



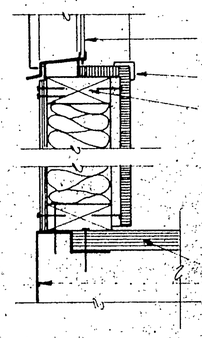
2 DOOR SILL
3" = 1'-0"



5 WDW JAMB
3" = 1'-0"



3 WDW HEAD
3" = 1'-0"



4 WDW SILL
3" = 1'-0"

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Per J.T. Mathews Jr.
PRINCIPAL STRUCTURAL ENGINEER

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PRINCIPAL STRUCTURAL ENGINEER

Gordon H. King C 5490
ARCHITECT
Reid K. Hunter 561638

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Architects - Planners
3070 "G" St. - Merced, CA 95340
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3 MILLSTEAD PARKWAY WEST
CONCORD, CALIFORNIA
94520

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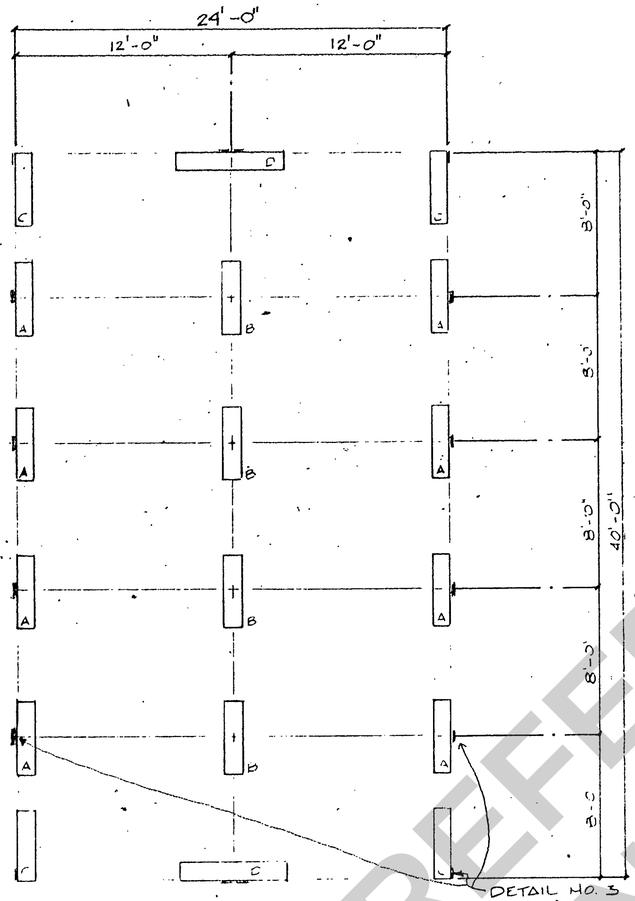
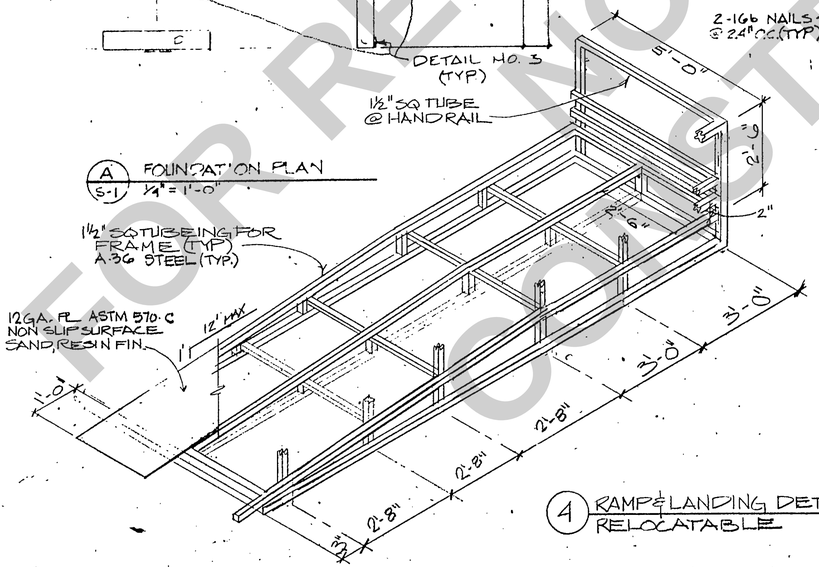
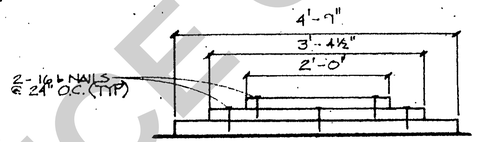


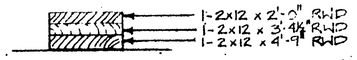
A S-1 FOUNDATION PLAN
1/4" = 1'-0"

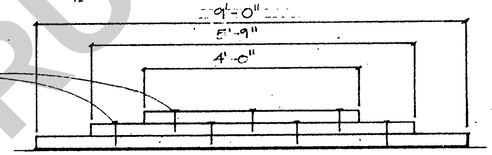


4 RAMP & LANDING DETAIL RELOCATABLE

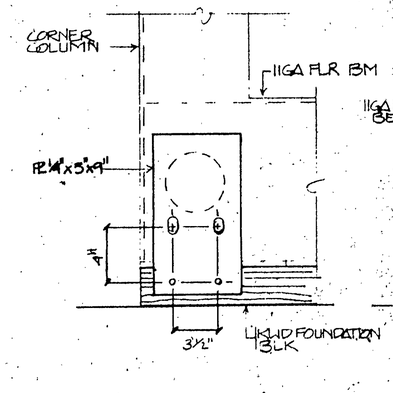


1 PIERS A, B & C
1" = 1'-0"





2 PIER "D"



3 TIE DOWN DETAIL
1" = 1'-0"

NOTE: SHIM AS REQUIRED W/. REDWOOD PLYWOOD

NOTE: 1
1. ASSUMED SOIL PRESSURE 1200 PSF
2. ARCHITECT SHALL VERIFY SOIL CONDITION AT EACH SITE.

NOTE. 2
THE BUILDING SHALL BE ATTACHED TO THE PERIMETER FOOTINGS.

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Gordon Hesse C 5490
ARCHITECT
Keith R.I. Brainard 581035

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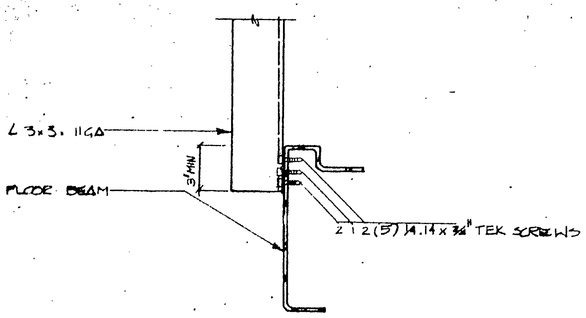
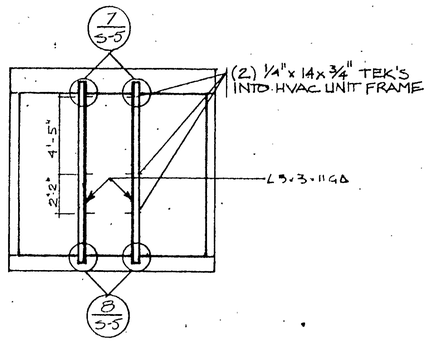
S - 1

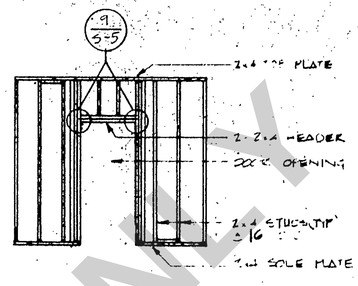
FOR REFERENCE ONLY NOT FOR CONSTRUCTION



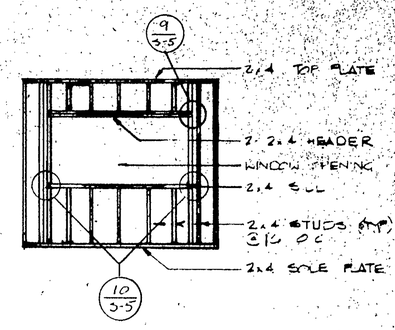
8/3-5 HVAC BRACKET CONN



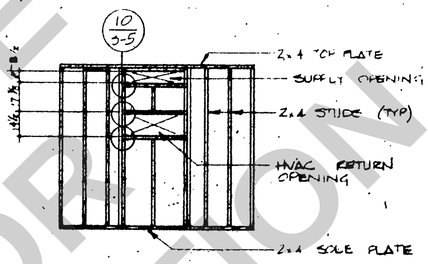
6/3-5 HVAC MOUNTING BRACKETS



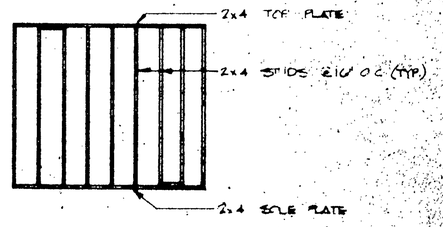
4/3-5 EAST WALL FRAMING
1/4" = 0



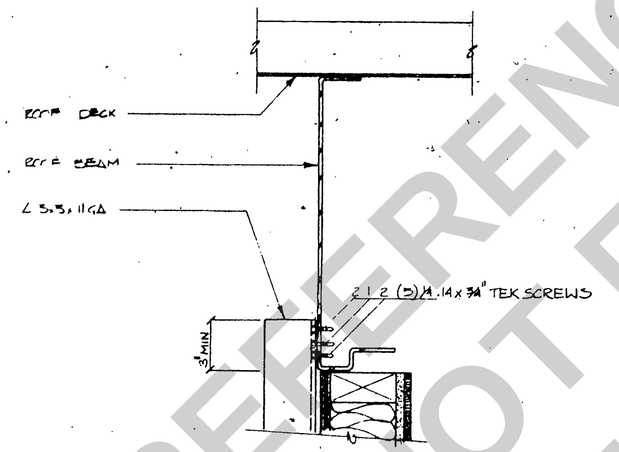
1/3-5 WINDOW FRAMING 85'40 WALL
1/4" = 1'-0



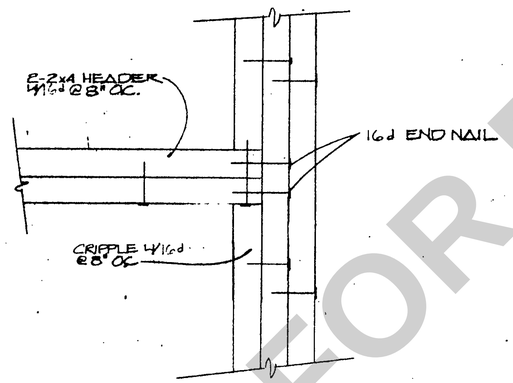
5/3-5 HVAC WALL FRAMING
1/4" = 1'-0



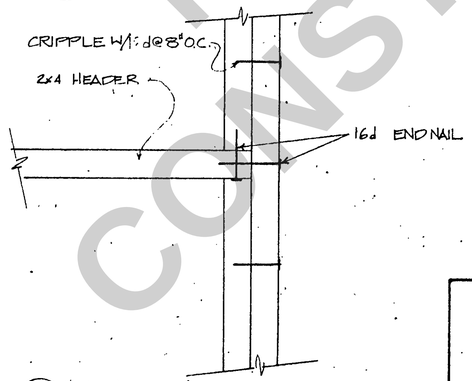
2/3-5 WALL FRAMING @ 12' MOD END
1/4" = 1'-0"



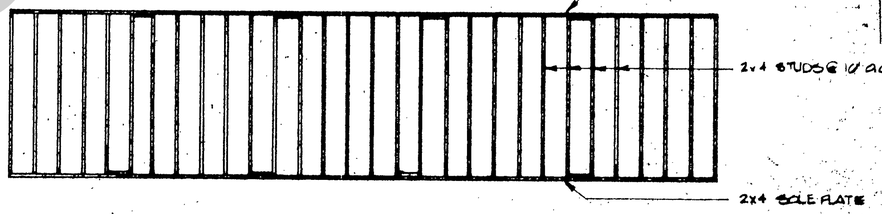
7/3-5 HVAC BRACKET CONN



9 HEADER TO STUD CONN



10/3-5 HVAC HEADER & SILL CONN
WINDOW SILL CONN



3/3-5 WALL FRAMING @ 40' WALL
1/4" = -0"

NAILING SCHEDULE U.B.C. TABLE 25-P

TOP PLATE TO STUD END NAIL	2-16d-3½x131 PASLODE	EXTERIOR PLYWOOD TO STUDS
STUD TO SOLE PLATE END NAIL	2-16d	8d @ 6" O.C. EDGE OF SHEETS-2¾x113 RING SHANK
DOUBLE STUD FACE NAIL	16d @ 24" O.C.	8d @ 12" O.C. INTERMEDIATE FRAMING GALV.
SINGLE TOP PLATE FACE NAIL	2-16d @ 16" O.C.	
TOP PLATE, LAPS & INTERSECTIONS FACE NAIL	2-16d	GYPSUM BOARD TO STUDS
CONTINUOUS HEADER, TWO PIECES	16d 6" O.C. ALONG EA. EDGE	GNB-5d 1¼" LONG, 5d COOLER NAIL @ 8" O.C.
CONTINUOUS HEADER TO STUD E.N. NAIL	4-16d	
CONTINUOUS HEADER TO STUD, END NAIL	4-16d	

GUN NAIL USED FOR ALL B-TYPE NAILS

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54412-R
Backchecked By JMC 10/4/90

STATE OF CALIFORNIA
Department of General Services
JUN 10 1990
Office of the State Architect
Structural Safety Section

STATE OF CALIF.
Department of General
OCT - 9 1990
Office of the State
Structural Safety Sec.

42576
42577
42578
42579
42580
42581
42582
42583

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
DEC 11 '90
By M. Mahan

DU PERTUIS and HESSE
Architects - Planners
3070 "O" St., Merced CA 95340
Phone 722-3346

Jordan J. King C 5490
ARCHITECT
Kern, Mendocino, Modoc

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42576
DEC 11 '90
By M. Mahan

STEELGARD, INC.
1273 INDUSTRIAL PARKWAY W. #T
HAYWARD, CALIFORNIA
94541

DRAWN CONSTRUCTED
DATE
CHECKED
APPROVED
PROJECT

S-5

DESCRIPTION DATE

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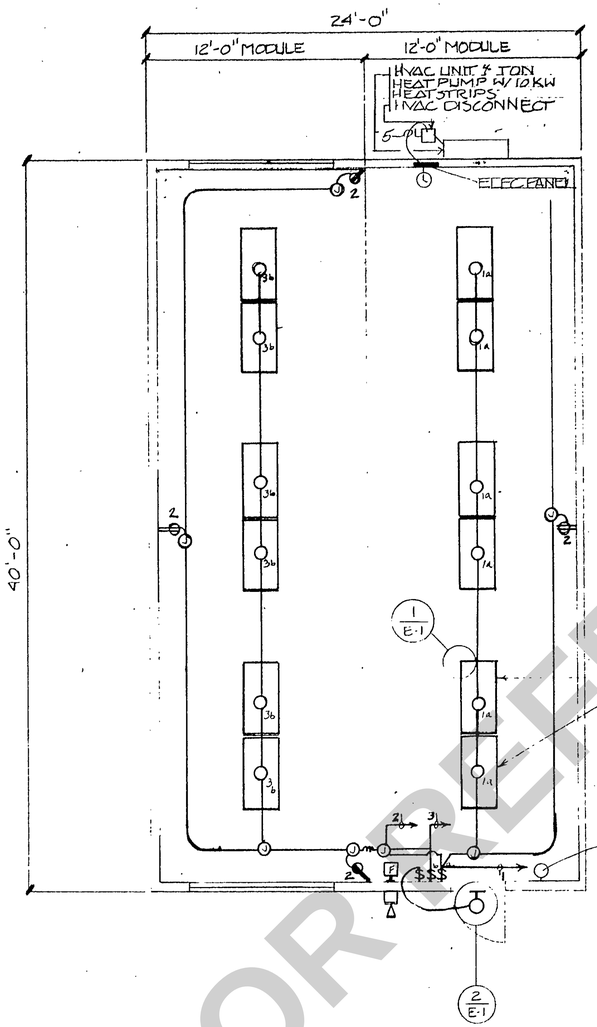


Δ E-1 ELECTRICAL PLAN
SCALE ¼" = 1'-0"

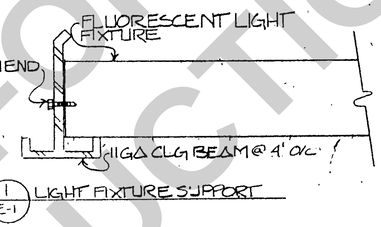
S/N

LOAD	DES	BKR	#		#	BKR	DES	LOAD
1,110	LTG	20Δ 1-P	1		2	20Δ 1-P	REC P	350
1,110	LTG	20Δ 1-P	3		4	20Δ 1-P	REC P	350
16,652	HVAC	90Δ 2-P	5		6			
			7		8			

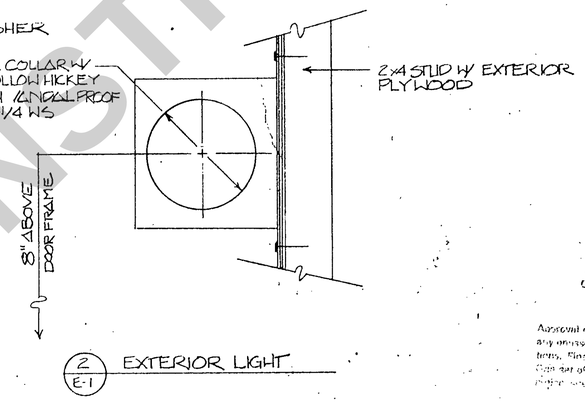
79.96 Δ 2-P

TOTAL LOAD 19,072 — 125Δ MAINS

120/240 V 1Φ
FLUSH MTD



1 E-1 LIGHT FIXTURE SUPPORT



2 E-1 EXTERIOR LIGHT

NOTES

1. FIRE ALARM SHALL BE IN FULL ACCORDANCE WITH THE LATEST RULES AND REGULATIONS OF THE STATE FIRE MARSHAL, PART 3 CAC, TITLES 24 & 19.
2. GROUNDING, ALL RACEWAY SYSTEMS, FIXTURES, OUTLETS, MOTORS, EQUIPMENT ENCLOSURES AND METAL BUILDING MUST BE PERMANENTLY AND EFFECTIVELY GROUNDED IN ACCORDANCE WITH THE 1978 NEC, CAC, TITLE 8, AND LOCAL CODES.
3. ALL ELECTRICAL INSTALLATION FOR THE BLDG & THE SITE ELECTRICAL SERVICE SHALL MEET REQUIREMENTS OF THE 1978 NEC, TITLE 8 TITLE 24 & 19, AND LOCAL CODES.

LEGEND:

- Ⓐ ▭ 4 FLUORESCENT LT FIXTURE, RECESS MTD IN CLG W/ 4-F40 CW TUBES
- Ⓑ HO KENALL #3636 OR EQ. INCANDESCENT LT FIXT, WALL MTD W/ 1 100 W LAMP
- $ SINGLE POLE TOGGLE SWITCH (QUIET)
- ⊢G 15A GROUNDABLE DUPLEX CONVENIENCE RECEPTACLE
- J JUNCTION BOX
- a SWITCH CIRCUIT 1
- b SWITCH CIRCUIT 3
- ▭ HVAC DISCONNECT
- HF FIRE ALARM PULL STATION, SEE NOTE. THIS SHT.
- FA FIRE ALARM SEE SITE PLAN SHT SEE NOTE 1 THIS SHT.
- FBKR CIRCUIT BREAKER
- LT LIGHT
- CLG MTD CEILING MOUNTED
- FXT FIXTURE
- HⓉ CLOCK OUTLET @ + 7'-6" AFF

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OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the job site at all times.
Approved by: JW 10-1-90

STATE OF CALIFORNIA Department of General Services
OCT - 9 1990
Office of the State Architect Structural Safety Section

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54912
Backchecked By

STATE OF CALIFORNIA Department of General Services
JUN 10 1990
Office of the State Architect Structural Safety Section

DU PERTUIS and HESSE
Architects / Planners
1970 Old Tasso Road, Suite 200
Livermore, CA 94550
Phone (415) 447-1100

REVISIONS	DATE	STATE FIRE MARSHAL	OFFICE OF THE STATE ARCHITECT	ARCHITECT	ENGINEER
		RMC			

4297.6

STEELGARD, INC.
1273 INDUSTRIAL PARKWAY WEST
HAYWARD CALIFORNIA
415-886-3566 94544

DRAWN
DATE
CHECKED
APPROVED
PROJECT

E-1

O.L.A. 100 PC
24' X 40' CLASSROOM

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C.D. SPECTRUM, INC.
2047 GROGAN AVE.
MERCED, CA. 95340
(209) 383-7412

C.D. SPECTRUM, INC.
RELOCATABLE
MODULES

STATE OF CA
Department of Gen...
OCT - 9 1990
Office of the Structural Safety

STATE FIRE MARSHAL
...pection or approval
...ations regula-
...and installation
...sent on file

10-1-90

&	AND
"	INCHES
#	POUNDS
%	PERCENT
ø	PHI-DIAMETER
'	FEET
@	AT
AB	ANCHOR BOLTS
ADD'L	ADDITIONAL
ADJ	ADJACENT
AL	ALUMINUM
AMP	AMPERES
APA	AMERICAN PLYWOOD ASSOCIATION
ART	ARTICLE
ASTM	AMERICAN SOCIETY OF TESTING MATERIALS
BLK	BLOCK
BM	BEAM
BO	BOTTOM
BTR	BETTER
BTU	BRITISH THERMAL UNITS
C	C - CHANNEL AISC
CA	CALIFORNIA
CC	CENTER TO CENTER
CCX	PLYWOOD TYPE
COX	PLYWOOD TYPE
CHK	CHECKED BY
CKT	CIRCUIT
CL	CENTER LINE
CLG	CEILING
CONT	CONTINUOUS
DBL	DOUBLE
DET	DETAIL
DF	DOUGLAS FIR
DN	DOWN
EA	EACH
ELEC	ELECTRICAL
EN	EDGE NAIL
EQ	EQUAL
EW	EACH WAY
EXT	EXTERIOR
FIN	FINISH
FLR	FLOOR
FTGS	FITTINGS
FY	YIELD STRENGTH (STEEL)
GA	GUAGE
GALV	GALVINIZED
HD	HOLDDOWN
HDWR	HARDWARE
HF	HEM FIR
HR	HOUR
HUK	SIMPSON HANGER
HVAC	HEATING VENTILATION AIR CONDITIONING
KSI	KIPS PER SQUARE INCH
KW	KILOWATT
LG	LONG
MAX	MAXIMUM
MDO	MEDIUM DENSITY OVERLAY
MFG	MANUFACTURER
MIN	MINIMUM
MTL	METAL
NEC	NATIONAL ELECTRIC CODE
NO	NUMBER
NRB	NATIONAL RESEARCH BOARD
O/	OVER
OC	ON CENTER
OPP	OPPOSITE
OSA	OFFICE OF THE STATE ARCHITECT
PL	PLATE
PLY	PLYWOOD
PLYWD	PLYWOOD
PT	PRESSURE TREATED
R-11	THERMAL RATING
REQ'D	REQUIRED
ROOF'G	ROOFING
SDS	SELF DRILLING SCREWS
SEL	SELECT
STR	STRUCTURAL
STRUCT	STRUCTURAL
T&G	TONGUE AND GROOVE
TEK	TEK SCREWS
TS	STRUCTURAL TUBE
TYP	TYPICAL
UBC	UNIFORM BUILDING CODE
V	VOLTS
W	WATTS
W/	WITH

PC0A016 1/4

(16) ABBREVIATIONS

(17)

(18)

1. NO CHANGES SHALL BE MADE TO THE WORK UNLESS IN ACCORDANCE WITH A CHANGE ORDER SIGNED BY THE ARCHITECT AND THE OWNER AND APPROVED BY OSA.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH TITLE 24 AND TITLE 21 OF THE CALIFORNIA CODE OF REGULATIONS. A COPY OF TITLE 24 AND TITLE 21 SHALL BE KEPT ON THE SITE AT ALL TIMES.

DESIGN LOADS:

ROOF DEAD LOAD	8.0	PSF
ROOF LIVE LOAD	20.0	PSF
FLOOR DEAD LOAD	11.0	PSF
FLOOR LIVE LOAD	50.0	PSF
WIND LOAD (1979 UBC)	15.0	PSF
ALLOWABLE SOIL BEARING	1000.0	PSF

SEISMIC LOAD $V = ZIKCS W$
$= 1.0 \times 1.0 \times .33 \times .14 \times W$
$= 0.186 W$

PC0A014

(14) BUILDING CODE & DESIGN DATA

A0	COVER SHEET AND BUILDING INFORMATION
A1	ARCHITECTURAL FLOOR PLAN / BUILDING ELEVATIONS DOOR & WINDOW SCHEDULE / FINISH MATERIAL LIST
A2	TYPICAL BUILDING CROSS SECTIONS AND MISCELLANEOUS ROOF DETAILS
A3	REFLECTED CEILING PLAN AND CEILING DETAILS
S1	ROOF AND FLOOR FRAMING PLANS
S2	WALL FRAMING ELEVATIONS / MISCELLANEOUS DETAILS
S3	STRUCTURAL AND GENERAL NOTES / MISCELLANEOUS STRUCTURAL DETAILS
S4	STRUCTURAL DETAILS
E1	ELECTRICAL PLAN AND ELECTRICAL DETAILS
M1	MECHANICAL PLAN AND MECHANICAL DETAILS
F1	FOUNDATION PLAN AND FOUNDATION DETAILS
F2	BUILDING ACCESS RAMP AND RAMP DETAILS
T1	VICINITY MAP AND SITE PLAN

(19) SHEET INDEX

ARCHITECT OF RECORD
DU PERTUIS and HESSE
Architects - Planners
3070 "O" St. Merced, CA. 95340
Phone 722-3348

ENGINEER OF RECORD

OSA STRUCTURAL SAFETY
Department of Gen...
Office of the State Architect
OCT - 9 1990
Structural Safety Engineer

OSA ACCESS COMPLIANCE

OSA APPROVAL

STATE FIRE MARSHAL

52000 SQ FT OF 89

Modification from B. 150 Boise
[illegible]

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: [signature]

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: [signature]

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 1 1990
Structural Safety Engineer
Job # 514 82
Checked by [signature]

(20) RECORD OF APPROVALS

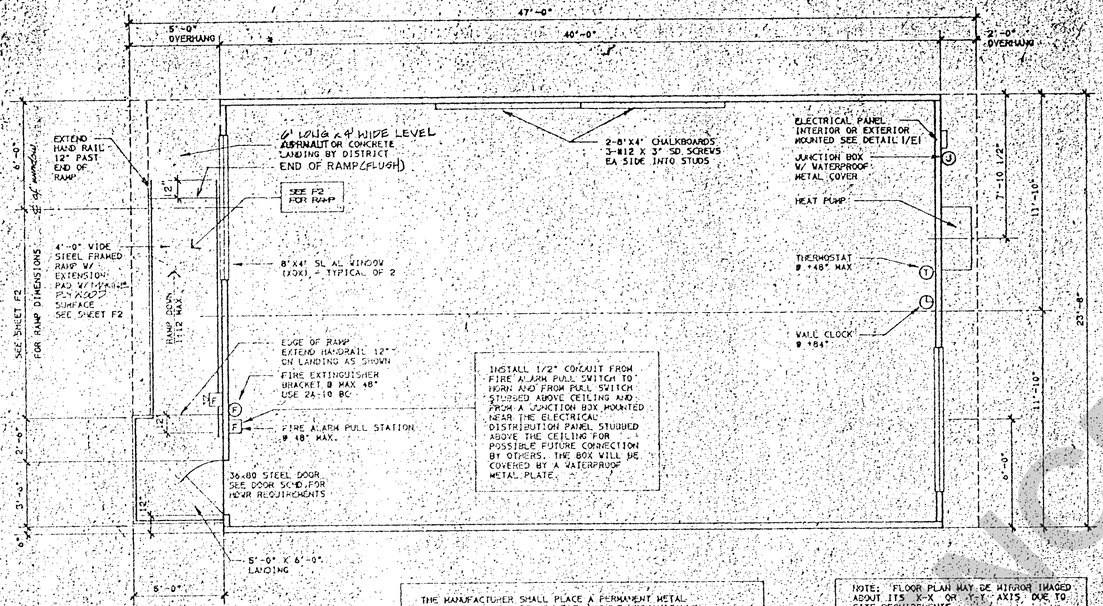
O.L.A. 100 PC
24' X 40' CLASSROOM
COVER SHEET

REVISIONS:

BY ROD
CHK
DATE 10/07/88
JOB PC43R
SHEET

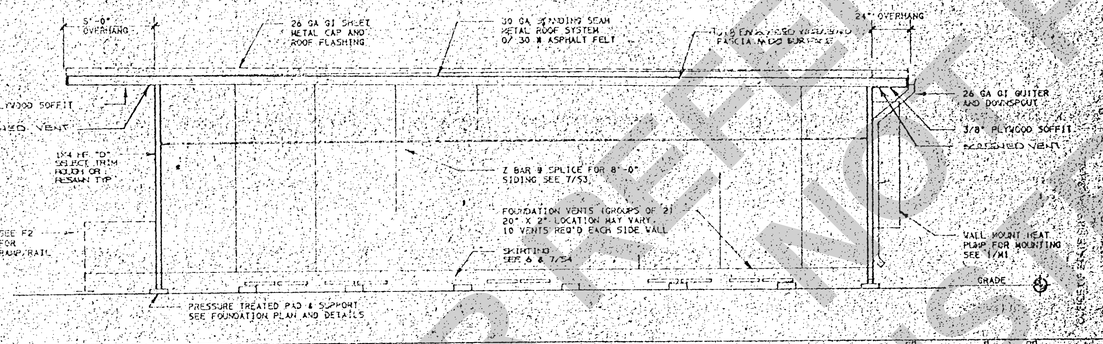
A0

McCarthy, Jack - 7/24/2023
Addendum No. 2



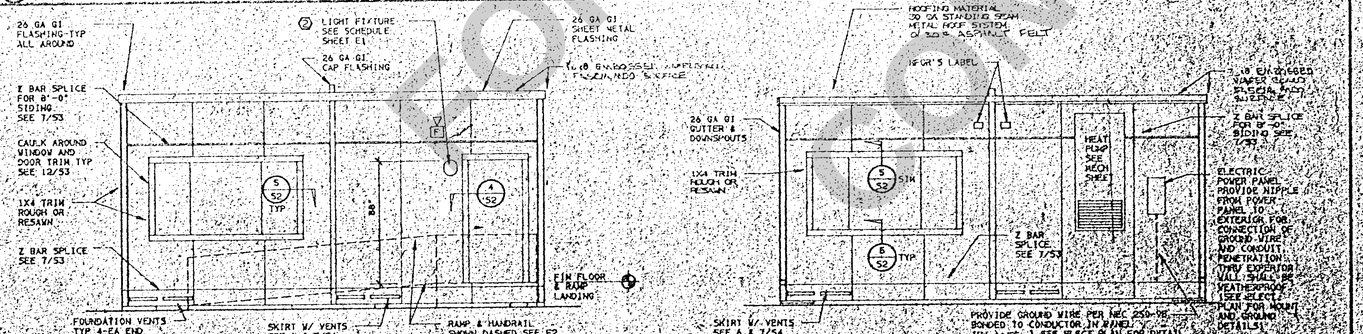
PC0A106 1/4

(6) ARCHITECTURAL FLOOR PLAN 1/4" = 1'-0"



PC0A111 1/4

(11) RIGHT SIDE EXTERIOR ELEVATION (NOTE: OPPOSITE SIDE SIM) 1/4" = 1'-0"



PC0A116 1/4

(15) FRONT VIEW 1/4" = 1'-0" REAR VIEW 1/4" = 1'-0"

DOOR SCHEDULE

MARK	DOOR MATERIAL	SIZE	THICKNESS	ROUGH OPENING	FRAME	LOCK SET	CLOSER	PANIC	HINGE	THRLD.	CASE	QUANTITY	JAMB	REMARKS
1	18 GAUGE PR.M.	36x80 INCHES	1 3/4"	37 1/4" x 81"	STEEL 16 GA	KEYED	NORTON 8500DA		1 1/2 PAIR	PEMKO 271A	5T'D.	ONE	5" CLEAR	W/ DOOR BOTTOM "PEMKO" 216AV.

NOTES: 1. "PEMKO" 2990 WEATHER STRIP @ DOOR JAMBS AND HEAD.
2. PRESSED METAL FRAMES TO BE KNOCK DOWN OR WELDED TYPE.
3. DOOR HARDWARE TO INCLUDE:
BUTTS: BALL BEARING HINGES SOLID BRASS OR BRONZE.
CLOSER: "NORTON" 8500 DA SERIES SET FOR MAX 8.5 LBS. OPENING FORCE.
LOCKSET: "SCHLAGE" D70PD-OLY WITH LEVER HANDLES
4. EXIT DOOR SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

WINDOW SCHEDULE

MARK	MATERIAL	SIZE	THICKNESS	ROUGH OPENING	TYPE	GLAZING	FINISH	FRAME	SCREEN	DRAPE	CASE	QUANTITY	REMARKS
A	ALUMINUM	96x48 INCHES MINIMUM	7/32" TEMP'D	96" x 48"	H:S XOX	SOLAR GREY	ANODIZED	ANODIZED	YES	N/A	5T'D.	TWO	

NOTES: 1. GLAZING MATERIAL SHALL BE 7/32" MINIMUM TEMPERED GLASS OR LAMINATED AS-1 OF SOLAR GREY, GLARE REDUCING TYPE WITH A LIGHT TRANSMISSION FACTOR BETWEEN 12% AND 16%.

FINISH NOTES

1. EXTERIOR SIDING:
SIDING SHALL BE:
MEDIUM DENSITY OVERLAY M.D.O.-3 SPEC 303-OVL
"SIMPSON "GUARDIAN"
OR
BRANDED SURFACE SPECIAL "EXTERIOR APA" 303
"MALINOWSKI PLYWOOD CO. "MONSH-PLY, BRAND-TEX" WITH "B" GRADE OR BETTER FACE PLYS, "C" GRADE OR BETTER BACK PLYS, 7/16" THICK OR THICKER OF GROUP 1 SPECIES. CENTER PLYS AND CORE, (NEW DIA.) BE REPAIRED SOLID CORE. ALL GROOVES AND SHIPLAPPED EDGES SHALL BE CAULKED. SIDING SHALL BE MINIMUM 19/16" THICK WITH SHIPLAP AT LONG EDGES AND OF ONE OF THE FOLLOWING STYLES: PLAIN, V-GROOVED, GROOVED ON REVERSE BOARD AND BATTEN.

2. ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING. SUCH BARRIER SHALL BE EQUAL TO THAT PROVIDED FOR IN U.B.C. STANDARD NO. 17-1 FOR GRAFT WATERPROOF BUILDING PAPER OR U.B.C. STANDARD NO. 32-1 FOR ASPHALT-SATURATED ROOFFELT. BARRIER SHALL BE FREE FROM HOLES AND BREAKS OTHER THAN THOSE CREATED BY FASTENERS AND CONSTRUCTION SYSTEM DUE TO ATTACHING OF THE BUILDING PAPER, AND SHALL BE APPLIED OVER STUDS OR SHEATHING OF ALL EXTERIOR WALLS. SUCH BARRIER SHALL BE APPLIED HORIZONTALLY, WEATHER-BOARD FASHION, LAPPED NOT LESS THAN 6 INCHES AT HORIZONTAL JOINTS AND NOT LESS THAN 6 INCHES AT VERTICAL JOINTS.

3. TRIM:
ALL WINDOW, CORNER, AND DOOR OPENINGS SHALL RECEIVE TRIM OF NOMINAL 1"x4" OR 1"x6" DIMENSION. EDGES SHALL RECEIVE TRIM OF AT LEAST 2"x6" SIZE. TRIM SHALL BE ROUGH OR RESAWN D SELECT D.F., H.F., OR SPRUCE. TRIM SHALL BE BEVELED AT ALL EDGES WITH BULLNOSE OR ARCHITECTURAL GRADE DOOR JAMB. CAULKING SHALL BE PAINTED TO MATCH SIDING OR TRIM COLOR UNLESS OF THE UNDERCOAT TYPE AT ROOF EDGE ONLY. EMBOSSED UNDERGROUND SIDING WITH N.D.O. SURFACE, 7/16" THICK MINIMUM MAY BE USED IN LIEU OF 2"x6".

4. SKIRTING:
SKIRTING SHALL BE THE SAME THICKNESS AND TYPE OF PLYWOOD USED FOR SIDING EXCEPT THAT PLAIN UNGROOVED MATERIAL SHALL BE USED WHERE THE FACE DIRECTION OF THE SHEET RUNS HORIZONTALLY. IF GROOVED PLYWOOD IS USED FOR SKIRTING, THE GROOVES SHALL MATCH AND LINE UP WITH THE GROOVES IN THE SIDING WHERE LESS THAN THE BOTTOM OF THE SKIRTING SHALL BE SUPPORTED AROUND THE ENTIRE SPACE BELOW THE BUILDING SHALL BE CLOSED OFF. MAINTAIN 1 1/2" MINIMUM CLEARANCE FROM THE BOTTOM OF PLYWOOD SKIRTING TO FINISH GRADE. PROVIDE 18 SQ. IN. OF APPROVED SCREENED METAL FRESH AIR VENTS OR APPROVED VINYL RESISTANT EQUAL TO COMPRISE A MINIMUM NET AREA OF 7.5 SQUARE FEET.

5. ROOFING:
THE ROOFING SYSTEM SHALL BE FIRE RETARDANT PER U.B.C. STANDARD. PRE-FINISHED, UNPENETRATED INTERLOCKING ROOF PANELS MECHANICALLY CRIMPED, STANDING SEAM OR RAISED TYPE, 30 GA OVER 30 POUND SATURATED FELT UNDERLAYMENT AND 1/2" CDX GRADE PLYWOOD DECK. ROOF SHALL HAVE A MINIMUM PITCH OF 1/2" PER FOOT.

6. ROOF OVERHANG:
ALL OVERHANG SHALL PRESENT A PLEASING AND FINISHED APPEARANCE. SOFFITS SHALL BE ENCLOSED WITH NO VISIBLE FRAMING MEMBERS. SOFFIT MATERIAL SHALL BE 3/8" MIN. PLYWOOD OF THE SAME TYPE AS USED FOR SIDING. IF GROOVED MATERIAL IS TO BE USED, GROOVES SHALL MATCH THE GROOVES ON THE EXTERIOR SIDING. PLYWOOD SOFFIT MATERIAL SHALL BE APPLIED WITH LONG DIRECTION RUNNING PARALLEL TO THE LENGTH OF THE BUILDING. SOFFIT SHALL BE NEATLY AND CLOSELY FITTED AND FRAMED TO COVER GAPS.

7. METAL EXTERIOR DOORS:
CONSTRUCT PER CBSC 2B MINIMUM REQUIREMENT. SEE DOOR SCHEDULE SHEET A1.

8. PRESSED METAL DOOR FRAMES:
KNOCK DOWN OR WELDED TYPE PER CBSC 2B MINIMUM REQUIREMENT. SEE DOOR SCHEDULE SHEET A1.

9. HARDWARE EXTERIOR DOORS:
SEE DOOR SCHEDULE SHEET A1 FOR NOTES.

10. ENTRY STOOP AND ROOF:
ENTRY (SIDING) SHALL HAVE A STOOP(S) AND RAMP(S) TO CONFORM TO TITLE 24 C.B.C. SECTION 2-3307. SEE SHEET F2 FOR NOTES AND DETAILS.

11. INTERIOR WALLS:
ALL INTERIOR WALLS SHALL BE VINYL COVERED TACKBOARD APPLIED IN ONE CONTINUOUS LENGTH FROM FLOOR TO CEILING. TACKBOARD SHALL BE APPLIED OVER 1/2" SHEETROCK OR 3/8" PLYWOOD SHEATHING. THE VINYL COATING SHALL WEIGH A MINIMUM OF 18 OZ. PER SQUARE YARD. THE VINYL FACE COVERED PANEL SHALL HAVE A CLASS II FLAME SPREAD RATING. THE PANEL SHALL BE APPROVED FOR CLASSROOM USE BY THE OFFICE OF THE STATE FIRE MARSHAL. CARE SHALL BE TAKEN TO MOUNT THE SHEETROCK SO THAT THE JOINTS OF ALL PANELS WILL HAVE THE SAME ORIENTATION AND COLOR MATCH. REFERENCE BRAND: "VINYL COVERED TACKBOARD AS MANUFACTURED BY "DONTAC" GYPSUM AMERICA, INC." OR APPROVED EQUAL.

FINISH NOTES CONTINUED PAGE A2

INTERIOR FINISH:
FINISH: KELLY MOORE 1240
WALLS: #205 "DESERT"
TRIM: #1X "SAGE" #2 "BROWN"
DOOR: #1700 "SADDLE BROWN"
NOTE: COLORS ARE CHOSEN AS PER ARCHITECT'S REQUEST.

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable Regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewing by: [illegible]

ARCHITECT OF RECORD
DE PERTUIS and HESSE
Architects - Planners
3470 "C" St. - Merced, CA 95340
Phone 722-3346

ENGINEER OF RECORD

OSA STRUCTURAL SAFETY
Department of General Services
Office of the State Architect
Approved
Application No.

OSA ACCESS COMPLIANCE
Department of General Services
Office of the State Architect
Approved
Application No.

OSA APPROVAL
Department of General Services
Office of the State Architect
OCT - 9 1989
Office of the Structural Safety
52000 PM 08'89
Application No.

STATE FIRE MARSHAL
OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable Regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewing by:

Department of General Services
Office of the State Architect
OCT - 9 1989
Structural Safety Section
Application No. 52000
Date Approved 10-6-89
By: [illegible]

(19) RECORD OF APPROVALS

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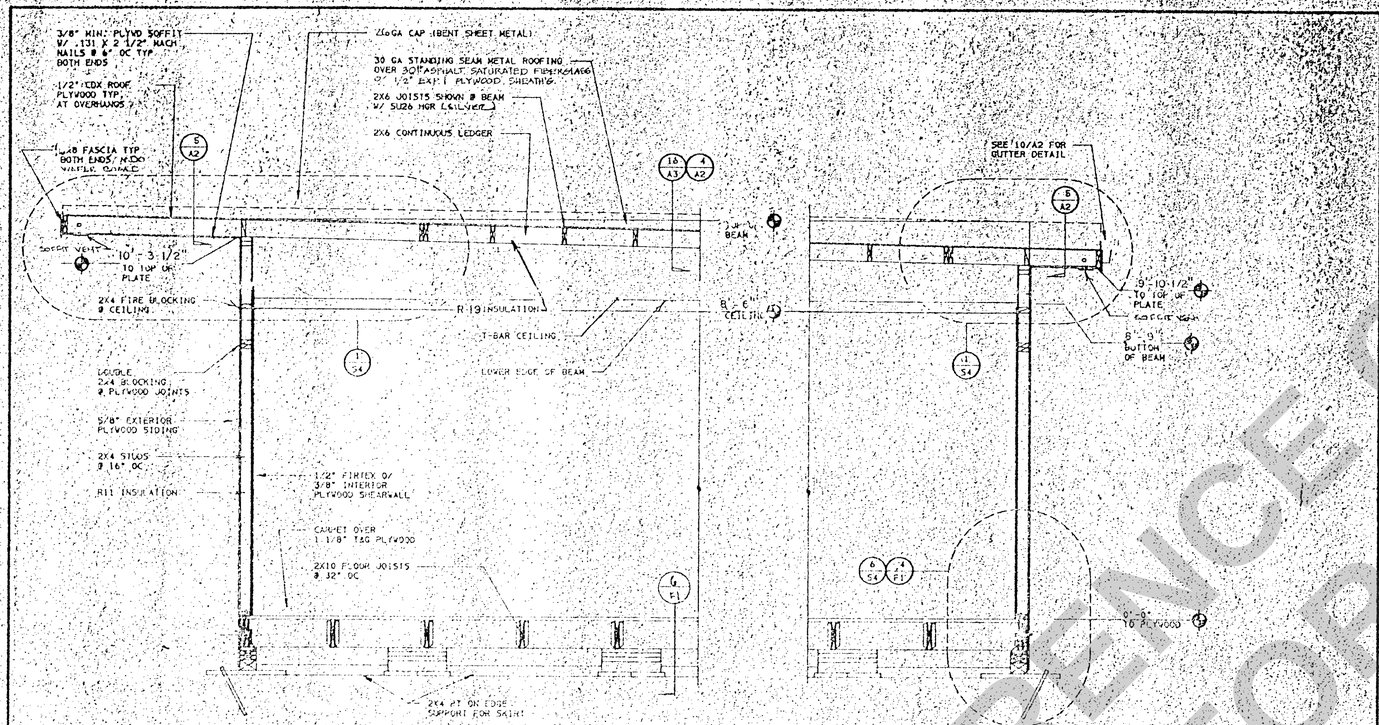
C.I.D. SPECTRUM INC.
2047 GROGAN AVE.
MERCED, CA. 95340
(209) 383-4412

REVISIONS:

BY: RGD
CHK.
DATE: 9/12/89
JOB: PC43.R
SHEET: A1

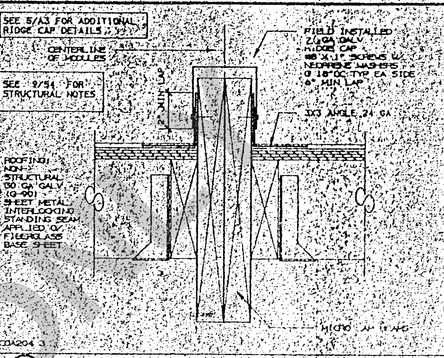
C.I.A. 100
PC
24' x 40' CLASSROOM
FLOOR PLAN AND BUILDING ELEVATIONS
C-9711

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



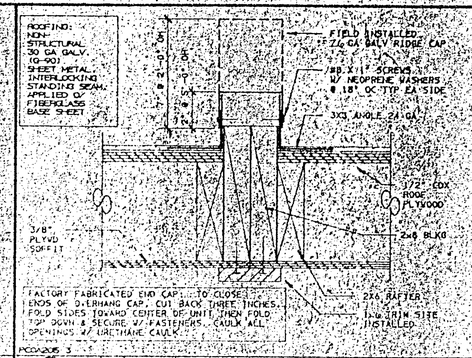
PCOA3.5 1/2

(6) TYPICAL LONGITUDINAL SECTION 1/2" = 1'-0"



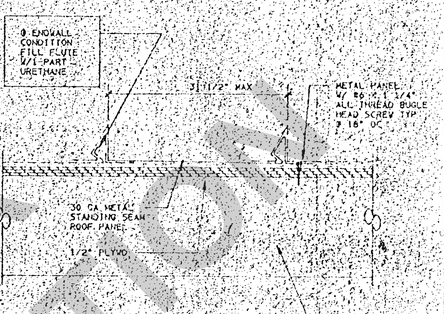
PCOA20.4 3

(4) METAL ROOFING BUILDING CENTERLINE 3"=1'-0"



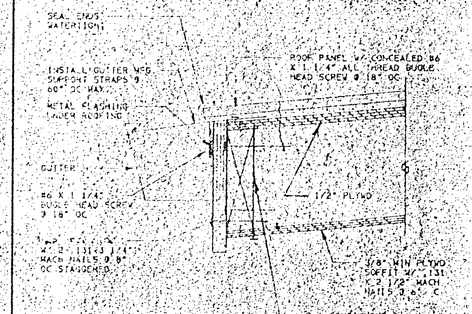
PCOA20.5 3

(5) METAL ROOFING BUILDING CENTERLINE AT OVERHANG 3"=1'-0"



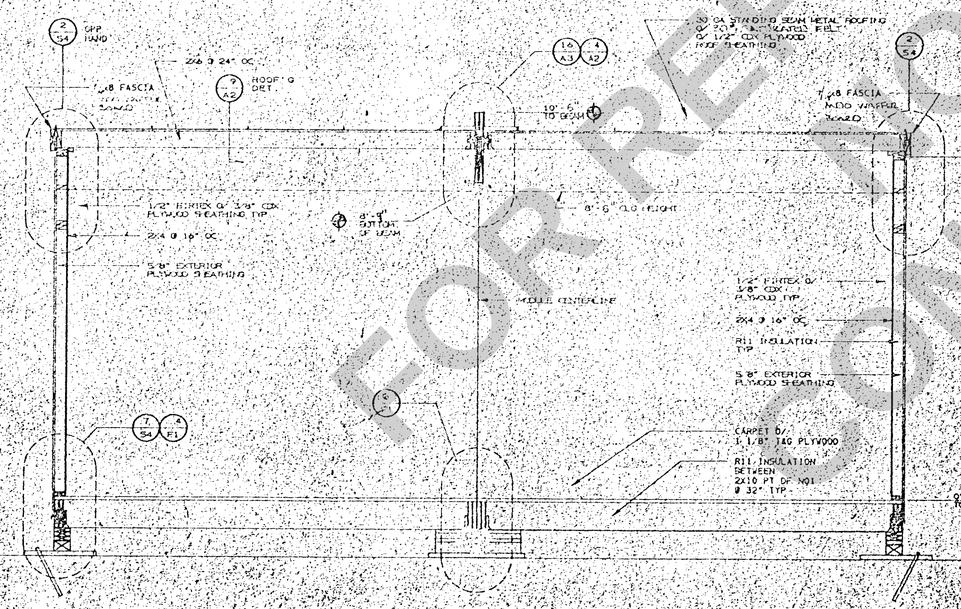
PCOA20.9 3

(9) ROOF OVERLYING LAP DETAIL 3" = 1'-0"



PCOA21.3

(10) GUTTER DETAIL 3" = 1'-6"



PCOA17.5 1/2

(16) TYPICAL TRANSVERSE SECTION 1/2" = 1'-0"

1. SUSPENDED CEILING SYSTEM AND ACOUSTICAL PANELS: CEILING UNIT SUPPORT SYSTEM (FIXTURES OR GRILLES SHALL HAVE NO MINIMUM CLASSIFICATION OF HEAVY DUTY PER ASTM C635. GRID SHALL BE CIRCLE AND VERTICAL PRODUCTS WITH TITLE 24 C.C.R., TITLE 8 C.C.R. AND U.B.C. STANDARD 25-2 (ISSUED BY I.C.B.O.). SEE REFLECTED CEILING PLAN SHEET A3 FOR NOTES AND DETAILS.
13. LIGHTING: SEE ELECTRICAL PLAN AND NOTES SHEET E1
14. ELECTRICAL: SEE ELECTRICAL PLAN AND NOTES SHEET E1
15. WINDOWS: SEE WINDOW SCHEDULE FOR NOTES SHEET A5
16. PAINT: SEE FINISH SCHEDULE SHEET A5 FOR BRAND(S) AND COLORS.
17. FLOOR COVERING AND BASE: CARPET: DIRECT GLUE DOWN TILE PER STATE OF IA. FURNISH SPECIFICATION SHEETS FOR APPROVAL BEFORE INSTALLATION. CLASS B. SEE FINISH SCHEDULE SHEET A5 FOR COLOR CLASS CARPET TILE PLANS SHEET VINYL NOT ACCEPTABLE
VINYL COMPOSITE TILE (VCT) NOT ACCEPTABLE
RESILIENT COVE BASE: BEST QUALITY, MOLDED RUBBER, 6" HIGH, HIGH MOLDED TOP SET COVE. PROVIDE PREFORMED CORNERS FOR SQUARE EXTERNAL CORNERS AND PREFORMED END STOPS WHERE BASE DOES NOT ABUT. COLOR AS SHOWN ON FINISH SCHEDULE. ROPPE RUBBER CO. #4000 S OR CONSIMILAR. APPLY OVER THE COMPLETE PERIMETER OF CLASSROOM.
ADHESIVES: AS RECOMMENDED BY FLOOR COVERING AND BASE MANUFACTURER. FOLLOW MANUFACTURER'S WRITTEN INSTRUCTIONS.
18. INSULATION: FLOOR AND WALL INSULATION SHALL HAVE A RATING OF R-11 AND CEILING INSULATION SHALL HAVE A RATING OF R-19. FLAME SPREAD RATING TO BE 25 AND SMOKE DENSITY OF 50 MAXIMUM.
19. HEATING, VENTILATING AND AIR CONDITIONING: SEE MECHANICAL PLAN NOTES AND DETAILS SHEET M1
20. FIRE ALARM: SEE ELECTRICAL PLAN NOTES SHEET E1
21. FIRE EXTINGUISHER: EACH CLASSROOM SHALL BE EQUIPPED WITH A PRESSURE TYPE FIRE EXTINGUISHER WITH 2 A10 BC U.L. RATING. IT SHALL BE MOUNTED ON THE INTERIOR WALL OF THE BUILDING NEAR THE DOORWAY(S) AT A HEIGHT OF FROM 3'-6" TO 5'-0" FEET. FIRE EXTINGUISHERS SHALL BE TOTALLY CHARGED AND HAVE A DIP INDICATING THE STATE OF CHARGE.
22. CHALKBOARD: EACH CLASSROOM SHALL HAVE A 4' - 16' LENGTH OF CHALKBOARD SERIES 60 (OR APPROVED EQUAL) MANUFACTURED BY [illegible] CENTERED ON ONE OF THE LONG WALLS. IT IS RECOMMENDED THAT THE CHALKBOARD BE ASSEMBLED IN TWO (8) EIGHT FOOT SECTIONS. IT SHOULD BE MOUNTED APPROXIMATELY 30" FROM THE FLOOR. IT SHALL HAVE EXTRUDED ALUMINUM MOLDING AND CHALK TROUGH. A FULL LENGTH MAP RAIL WITH TACKBOARD OR CORK INSERT SHALL BE PROVIDED. A MINIMUM OF SIX (6) MAP HOOKS WITH CLIPS SHALL BE PROVIDED AS WELL AS A FLAG HOLDER, I/E, SIZE.

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed By: [illegible]

OFFICE OF STATE FIRE MARSHAL
APPROVED
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Reviewed By: [illegible]

(19) RECORD OF APPROVALS

ARCHITECT OF RECORD
DU RETTUS and HESSE
Architects / Planners
2070 [illegible]
Phone 722-4340

ENGINEER OF RECORD

OSA STRUCTURAL SAFETY
OSA ACCESS COMPLIANCE
OLA APPROVAL
5200 DH 08 89
STATE FIRE MARSHAL
OFFICE OF STATE FIRE MARSHAL
APPROVED
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
Approval #: 5200-DH-08-89
Date: 9/26/89
Structural Safety Section
Acknowledged By: [illegible]

C.O. SPECTRUM INC.
2047 GROGAN AVE.
MERCED, CA 95340
(209) 385-7412

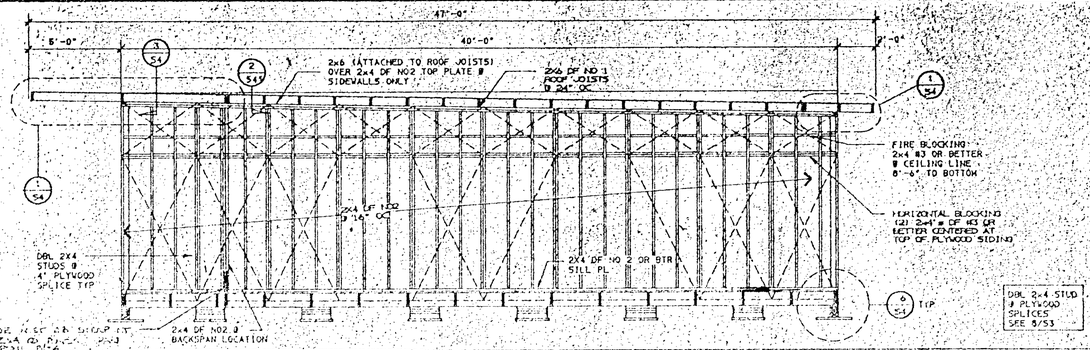
O.L.A. 906 PC
26' X 40' CLASSROOM
FLOOR PLAN AND BUILDING ELEVATIONS

REVISIONS

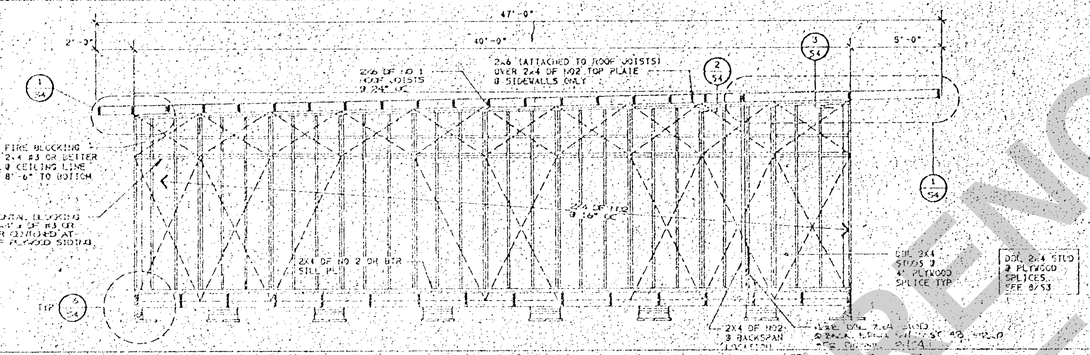
BY:	RGD
CHK:	
DATE:	9/26/89
JOB	PCA3:R1
SHEET	A2

PROPRIETARY RESTRICTION: THESE DRAWINGS AND THE MATERIAL CONTAINED HEREIN ARE PROPRIETARY TO C.O. SPECTRUM INC. AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF OR DISCLOSED DIRECTLY OR INDIRECTLY AND SHALL NOT BE USED IN WHOLE OR PART FOR ANY PURPOSE WHATSOEVER WITHOUT THE EXPRESS WRITTEN CONSENT OF C.O. SPECTRUM INC. THIS PROHIBITION INCLUDES, BUT IS NOT LIMITED TO, THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF, FULL KNOWLEDGE AND WRITTEN CONSENT OF C.O. SPECTRUM INC. IS REQUIRED FOR ANY CHANGES REQUIRED BY LOCAL CODES OR REVISIONS DISCLAIMER: ANY CHANGES MADE BY LOCAL CODES OR REVISIONS BY AGENCIES WILL BE SUBJECT TO PRICE, RENTAL AND DELIVERY REVISIONS. ANY SUCH CHANGES MAY AFFECT DELIVERY AND PRODUCTION SCHEDULES.

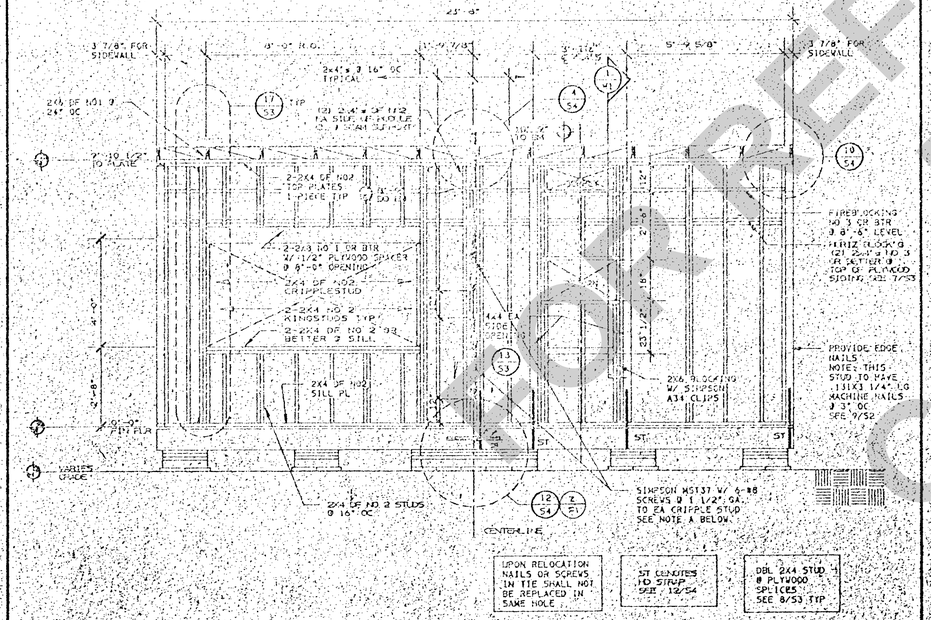
FOR REFERENCE ONLY NOT FOR CONSTRUCTION



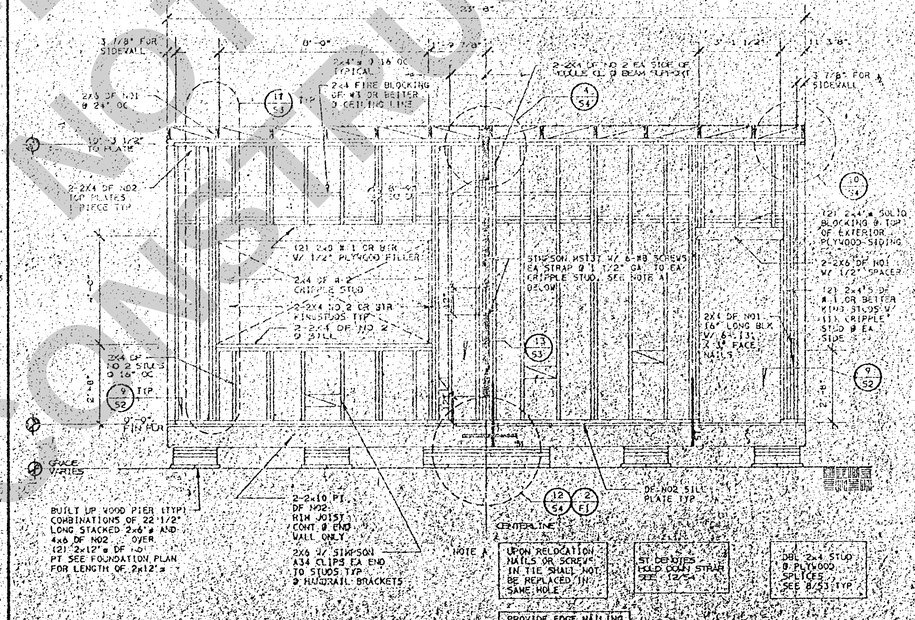
(1) RIGHT SIDEWALL FRAMING ELEVATION 1/4" = 1'-0"



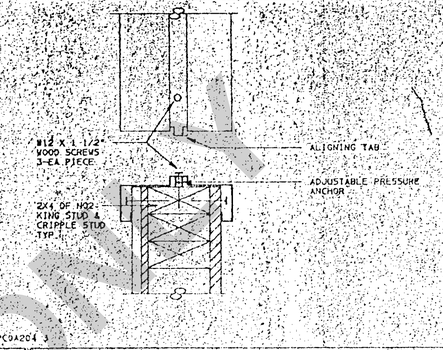
(6) LEFT SIDEWALL FRAMING ELEVATION 1/4" = 1'-0"



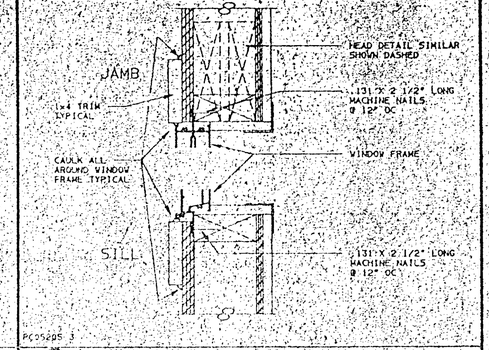
(16) ENDWALL FRAMING ELEVATION 3/8" = 1'-0"



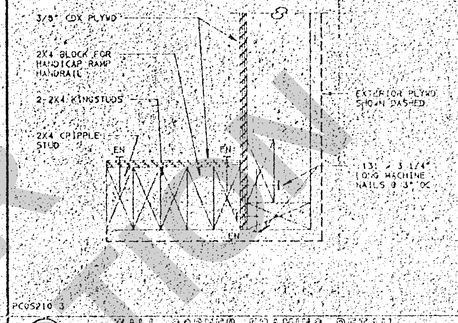
(18) FRONT ENDWALL FRAMING ELEVATION 3/8" = 1'-0"



(4) DOOR FRAME DETAIL



(5) WINDOW FRAME DETAIL



(9) WALL CORNER FRAMING DETAIL 3" = 1'-0"

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MICHAEL C.D. SPECTRUM INC.
2047 GROGAN AVE.
MERCED, CA 95340
(209) 383-7412

ARCHITECT OF RECORD

DU PERTUIS and HESSE / A.I.A.
Architects - Planners
3030 "O" St., Merced, CA 95340
Phone 722-3448

ENGINEER OF RECORD

OSA STRUCTURAL SAFETY | OSA ACCESS COMPLIANCE

DLA APPROVAL

STATE FIRE MARSHAL

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
Structural Safety Section
Date 9-27-88
Backchecked by

STATE OF CA
Department of Gen.
OFFICE OF THE STATE ARCHITECT

D.L.A. 100 PC
24' X 60' CLASSROOM
SIDEWALL AND ENDWALL FRAMING ELEVATIONS

REVISIONS:

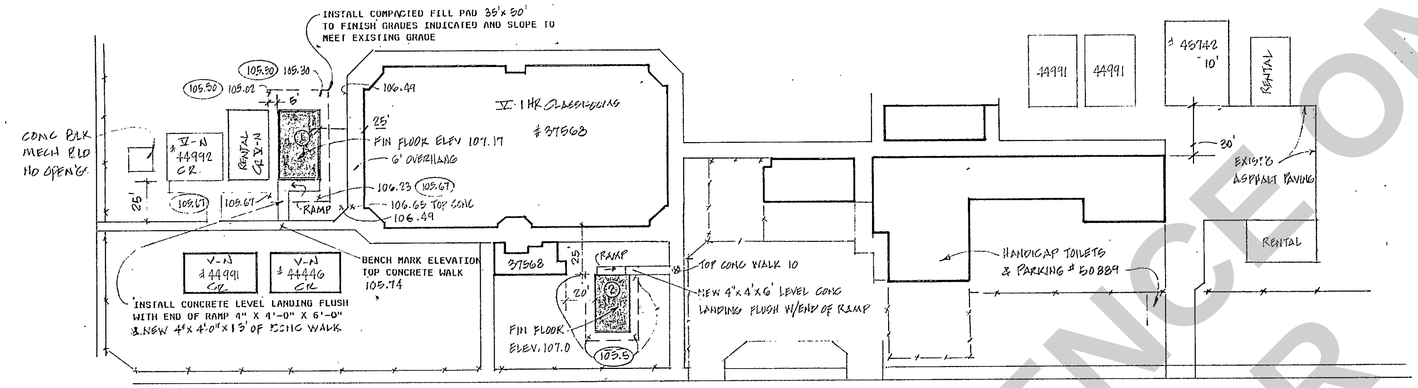
BY: RGO
CHK:
DATE: 9/27/88
JOB: PC43.R
SHEET
S2

(20) RECORD OF APPROVALS

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

MCSD BID# 2024-B, 04/02/25
Addendum No. 2

120142



① MODTECH UNIT
OSA - 53740 - (54412 INC#2)
DLA - 29811

② SPECTRUM UNIT
OSA - 51362
DLA - 29445 - 1016A & B

MUIR SCHOOL

SCALE 1"=40'

FINISH GRADE LEGEND

X 100.0 — EXISTING GRADE

(100.0) — FINISH GRADE

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: JWC 10-1-90

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
C. - 51990
Structural Safety Section
Appl. #
Rackchecked By SAC 10/2/90 INC #2

54412 Incl #1
SIG work only
DS

1. IT IS THE INTENTION OF THE PLANS AND SPECIFICATIONS TO COVER ALL ITEMS NECESSARY TO MAKE COMPLETE AND OPERATIVE SYSTEMS. ELECTRICAL CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, TRANSPORTATION, EQUIPMENT MISC., SERVICES, ETC., REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER SPECIFICALLY SHOWN OR MENTIONED. THE ENGINEER WILL GIVE ANY INTERPRETATION NECESSARY FOR THE CONTRACTOR TO PROPERLY ESTIMATE THE JOB.

2. VISIT SITE, TAKE MEASUREMENTS, AND GATHER SUCH OTHER INFORMATION AS MAY BE NECESSARY FOR UNIT, LIGHT BID. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE FOR OMISSION OR ERROR ON THE PART OF THE BIDDER IN THIS CONNECTION.

3. ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITIONS OF THE CALIF ELECTRICAL CODE; SOE CALIFORNIA CODE OF REGULATIONS, SAFETY ORDERS OF INDUSTRIAL ACCIDENT COMMISSION, STATE OF CALIFORNIA AND OTHER APPLICABLE STATE AND LOCAL LAWS OR RULES, REGULATIONS, ORDINANCES AND STATUTES OF LEGALLY AUTHORIZED REGULATORY AGENCIES. NOTHING IN THESE PLANS AND SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

4. FURNISH AND INSTALL CONDUIT AND WIRING, SYSTEM SHOWN. ALL CONDUIT RUNS SHOWN ARE DIAGRAMMATIC. EXACT ROUTING SHALL BE GOVERNED BY THE BUILDING STRUCTURES AND EQUIPMENT SERVED.

5. PROVIDE ALL CUTTING, PATCHING, EXCAVATING AND BACKFILLING REQUIRED FOR ELECTRICAL WORK.

FIRE ALARM SYSTEM NOTES:

1. THE FIRE ALARM SYSTEM, SHALL CONFORM TO SECTION 1003, PART 2 OF TITLE 24 AND ARTICLE 760 OF PART 3, TITLE 24, CALIFORNIA CODE OF REGULATIONS.

2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY THE CALIFORNIA STATE FIRE MARSHAL, OSA.

3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

DEFERRED APPROVAL FIRE ALARM SYSTEM

1. AUDIBLE FIRE ALARM DEVICES SHALL BE OF SAME BASIC TYPE & SOUND AS EXISTING SYSTEM

1.0* PREPARATION OF SUBGRADE

1.1 Scarifying: After the site has been cleared, scrimped, and excavated to within six inches of the specified depths for recompaction, scarify the exposed surface to a minimum depth of six inches, thoroughly moisture-conditioned, and compact to the requirements specified for fill below.

1.2 Leveling: Remove all ruts, hummocks, and other uneven surfaces by surface grading prior to placement of fill.

2.0 FILL

2.1 Fill Materials, General: All material shall be subject to the acceptance of the Soils Engineer. Submit samples of materials to Architect as necessary for the purpose of making acceptance tests to provide the quality of the material.

2.2 Fill Materials: All fill material shall be soil which is free from organic matter and other deleterious substances. It shall contain no rocks.

2.3 Imported Fill Materials: All imported fill material shall meet the requirements of Article 2.2 above and approved by the Soils Engineer.

2.4 Fill and Compaction:

2.4.1 Filling: After subgrade compaction has been accepted by the Soils Engineer, spread a minimum of six inches of fill material in layers not to exceed six inches in compacted thickness.

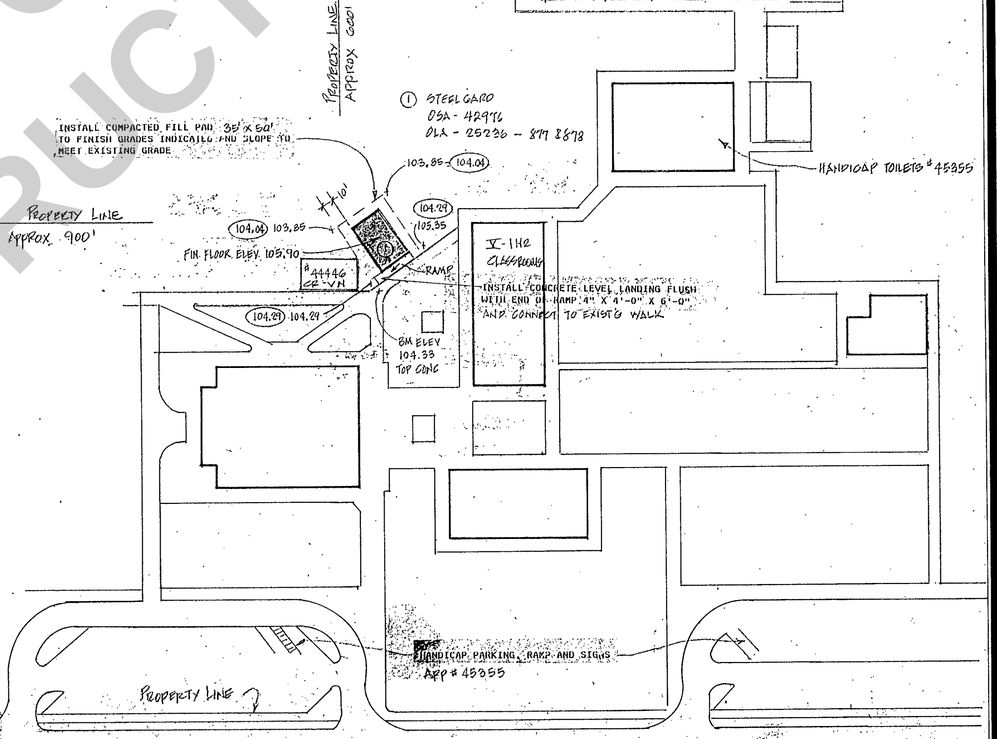
2.4.2 Moisture-Conditioning: Scarifying to a depth of six inches, water or aerate the fill material as necessary, and thoroughly mix to obtain a moisture content which will permit proper compaction.

2.4.3 Compaction, General: Compact each soil layer to at least the specified minimum degree. Repeat compaction process until specified degree is attained.

2.4.4 Degree of Compacting Requirements: Structural fills: Densify all structural fill including recompacted existing fill and backfill to a minimum degree of compaction of 90% Maximum dry density as determined by ASTM Test Designation D1557-70.

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: JWC 6-18-90

LOCAL FIRE AUTHORITY
ACCESS ROAD AND GATE
ENTRANCE APPROVAL
BY: Ronald Nissen
MERCED CITY FIRE DEPARTMENT
DATE: 6/26/90



RIVERA SCHOOL

SCALE 1" = 50'

STATE OF CALIF.
Department of General Services
OCT - 9 1990
Office of the State Structural Safety S.

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
10-5-90 INC # 2
54412 JUN 28 '90 INC #1
APPLICATION PER W. J.J. Rose INC.

EMERGENCY RELOCATABLES
FOR
MERCED CITY SCHOOL DISTRICT
MERCED CALIFORNIA

DU PERTUIS & HESSE
ARCHITECTS & PLANNERS
8070 G Street Merced California 95340 (209) 722-3346

DRAWN BY	DATE

OCCUP.	CONST.	AREA
E-1	V-N	960 EA

YEAR	LOC.	CLASS	DES.

CLIENT	SITE	PROJECT

SHEET NUMBER
AS-1

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

MCSD BID# 2024-5 04/02/2025
Addendum No. 2

120142

PROPERTY LINE
APPROX 200'

INSTALL COMPACTED FILL PAD 65' x 50' TO FINISH GRADE INDICATED & SLOPE TO MEET EXIST'G GRADE

104.30 103.43 — 5' — 5' — 103.83 104.30 RENTAL

FIN. FLOOR ELEV 105.33

104.30 103.51 — RAMP? — 104.27 104.30

INSTALL 3'-4" x 4'-0" x 6'-0" CONC LEVEL LANDING FLUSH W/END OF RAMP & CONNECT TO ASPH. PAVING

BM ELEV 104.34 TOP ASPH. PAVING

① C2 50686 V-N

RENTAL

RENTAL

HANDICAP TOILET FACILITIES

50408

32150 32150 45142

45142 32150 32150

HANDICAP PARKING # 50408

STREET

① SPECTRUM
OSA: 51362
DLA - 29446 1075A JB

② SPECTRUM
OSA: 51362
DLA - 29411 - 1073A KB

BURBANK SCHOOL

SCALE 1"= 50'

N

PROPERTY LINE

INSTALL CONCRETE LEVEL LANDING FLUSH WITH END OF RAMP 4'-4" x 4'-0" x 6'-0" & CONNECT TO EXIST'G WALKWAY

105.24 105.27 — RENTAL — 10' — 105.20 105.22

105.22 105.36 — ① — 105.16 105.28

BM 105.38 TOP CONC. WALK

Fin. Floor Elev. 106.72

INSTALL COMPACTED FILL PAD 35' x 50' TO FINISH GRADES INDICATED AND SLOPE TO MEET EXISTING GRADE

① MODTECK UNIT
OSA # 53140 (54412 INC #2)
DLA # 29309 - 6277 - 6278

33567 50686

44446 44446

HANDICAP PARKING 50654

HANDICAP TOILETS 50654

OFFICE OF STATE FIRE MARSHAL

APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

DCK 82

Reviewed by: JC 10-1-82

WRIGHT SCHOOL

SCALE 1"= 50'

N

STREET

RENTAL RENTAL

20' 10' 20' 30'

RENTAL

C12 50686 V-N — C12 46935 V-N — C12 46935 V-N — 44991 C2 V-N — 44991 — 44991

35'

HANDICAP TOILETS # 50933

HANDICAP PARKING # 50933

DELETED - THIS SITE NOT PART OF APP # 54412
RJH

HOOVER SCHOOL

SCALE 1"= 50'

N

1.0 PREPARATION OF SUBGRADE

1.1 Scarifying: After the site has been cleared, stripped, and excavated to within six inches of the specified depths for recompaction, scarify the exposed surface to a minimum depth of six inches. Thoroughly moisture-condition, and compact to the requirements specified for fill below.

1.2 Leveling: Remove all ruts, hummocks, and other uneven surfaces by surface grading prior to placement of fill.

2.0 FILL

2.1 Fill Material, General: All material shall be subject to the acceptance of the Soils Engineer. Submit samples of materials to Architect as necessary or for purpose of making acceptance tests to provide the quality of the material.

2.2 Fill Material: All fill material shall be soil which is free from organic matter and other deleterious substances. It shall contain no rocks.

2.3 Imported Fill Material: All imported fill material shall meet the requirements of Article 2.2 above and approved by the Soils Engineer.

2.4 Fill and Compaction:

2.4.1 Filling: After subgrade compaction has been accepted by the Soils Engineer, spread a minimum of six inches of fill material in layers not to exceed six inches in compacted thickness.

2.4.2 Moisture-Conditioning: Scarifying to a depth of six inches, water or aerate the fill material as necessary, and thoroughly mix to obtain a uniform moisture content with all parts of each compaction.

2.4.3 Compaction, General: Compact each soil layer to at least the specified minimum degree. Repeat compaction process until plan grade is established.

2.4.4 Degree of Compaction Required: Structural fill: Density all structural fill, including recompacted existing fill and backfill, to a minimum degree of compaction of 90%. Maximum density is determined by ASTM Test Designation D1557-70.

IT IS THE INTENTION OF THE PLANS AND SPECIFICATIONS TO COVER ALL THINGS NECESSARY TO MAKE COMPLETE AND OPERATIVE SYSTEMS. ELECTRICAL CONTRACTOR IS TO FURNISH ALL LABOR, MATERIALS, TRANSPORTATION, EQUIPMENT MISC., SERVICES, ETC., REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE CONSTRUED AS A NECESSARY PART OF THE INSTALLATION IS TO BE INCLUDED, WHETHER SPECIFICALLY SHOWN OR MENTIONED. THE ENGINEER WILL GIVE ANY INTERPRETATION NECESSARY FOR THE CONTRACTOR TO PROPERLY ESTIMATE THE JOB.

2. VISIT SITE, TAKE MEASUREMENTS, AND GATHER SUCH OTHER INFORMATION AS MAY BE NECESSARY FOR INTELLIGENT BID. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE FOR OMISSION OR ERROR ON THE PART OF THE BIDDER IN THIS CONNECTION.

3. ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITIONS OF THE CALIF. ELECTRICAL CODE; THE CALIFORNIA CODE OF REGULATIONS, SAFETY ORDERS OF INDUSTRIAL ACCIDENT COMMISSION, STATE OF CALIFORNIA AND OTHER APPLICABLE STATE AND LOCAL FIRE OR BUILDING REGULATIONS, ORDINANCES AND STATUTES OF LEGALLY AUTHORIZED REGULATORY AGENCIES. NOTHING IN THESE PLANS AND SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

4. FURNISH AND INSTALL CONDUIT AND WIRING SYSTEM SHOWN. ALL CONDUIT RUNS SHOWN ARE DIAGRAMMATIC. EXACT ROUTING SHALL BE GOVERNED BY THE BUILDING STRUCTURES AND EQUIPMENT SERVED.

5. PROVIDE ALL CUTTING, PATCHING, EXCAVATION AND BACKFILLING REQUIRED FOR ELECTRICAL WORK.

FIRE ALARM SYSTEM NOTES:

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO SECTION 4092, PART 2 OF TITLE 24 AND ARTICLE 760 OF PART 3, TITLE 24, CALIFORNIA CODE OF REGULATIONS.

2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY THE CALIFORNIA STATE FIRE MARSHAL, OSA.

3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

4. AUDIBLE FIRE ALARM DEVICES SHALL BE OF SAME BASIC TYPE & SOUND AS EXISTING SYSTEM.

DEFERRED APPROVAL: FIRE ALARM SYSTEM

LOCAL FIRE AUTHORITY
ACCESS ROAD AND GATE
ENTRANCE APPROVAL
BY Ronald Ferrari Dir/Chief
MERCED CITY FIRE DEPARTMENT
DATE 6/20/90

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54412 48
Backchecked By NMC
Inc #2

OFFICE OF STATE FIRE MARSHAL

APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: [illegible] 6-28-90

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
Structural Safety Section
54412 48
SITE WORK # 1 INC

STATE OF CALIFORNIA
Department of General Services
OCT - 9 1990
Office of the State Architect
Structural Safety Section

54412 JUN 28 INC #1

EMERGENCY RELOCATABLES
FOR
MERCED CITY SCHOOL DISTRICT
MERCED, CALIFORNIA

DU PERTUIS & HESSE
ARCHITECTS & PLANNERS
3070 G Street Merced California 95340 (209) 722-3346

DRAWN BY	DATE

OCCUP.	CONST.	AREA
E-1	V-N	960 SF

YEAR	LOC.	CLASS	DES.

CLIENT	SITE	PROJECT

SHEET NUMBER
AS-2

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

120142

MOST RIDS 2013 - 10/07/2013
Addendum No. 2

EMERGENCY RELOCATABLES FOR MERCED CITY SCHOOL DISTRICT

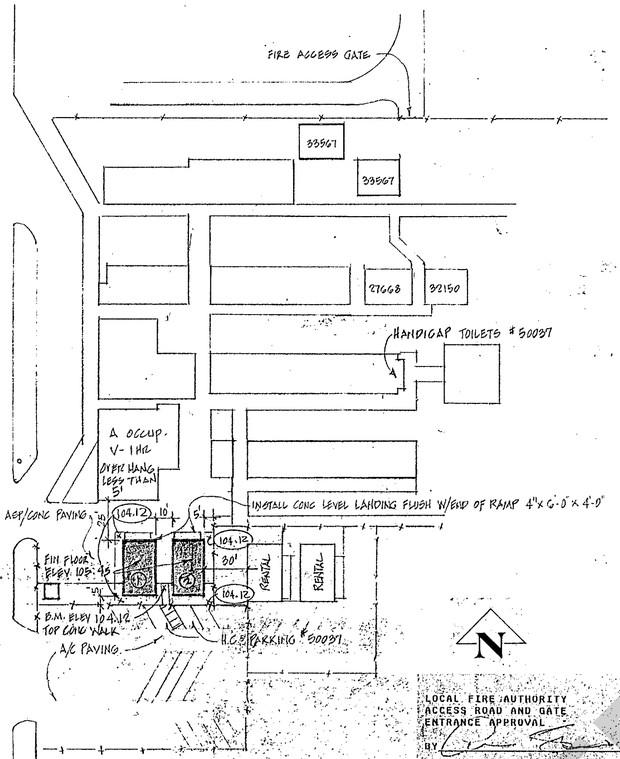
MERCED CALIFORNIA

DU PERTUIS & HESSE ARCHITECTS & PLANNERS
3070 G Street, Merced, California 95340 (209) 722-3346

(1) STEEL GARD UNIT - SERIAL# 871 & 872
OLA # 25239
OSA # 42916

(2) STEELGARD
OLA # 42916
OSA # 25239 - 873 & 874

(3) STEEL GARD
OSA 42916
OLA 25239 - 875 & 876



LOCAL FIRE AUTHORITY
ACCESS ROAD AND GATE
ENTRANCE APPROVAL
BY
DATE 6-23-92
CALIFORNIA DIVISION OF FORESTRY

FRANKLIN SCHOOL

SCALE 1" = 50'

(1) OSA # 44570 - DOUPNIK UNIT
OLA # 25562
SERIAL # 143A & B

(2) OSA # 46992 - DOUPNIK UNIT
OLA # 26041
SERIAL # 492A & B

IT IS THE INTENT OF THE PLANS AND SPECIFICATIONS TO COVER ALL THINGS NECESSARY TO MAKE COMPLETE AND OPERATIVE SYSTEMS. ELECTRICAL CONTRACTOR IS TO FURNISH ALL LABOR, SERVICES, TRANSPORTATION, EQUIPMENT MISC. SERVICES, ETC., REQUIRED TO ACCOMPLISH THIS RESULT. ANYTHING WHICH MAY BE CONSTRUED AS A NECESSARY PART OF THE INSTALLATION, IS TO BE INCLUDED, WHETHER SPECIFICALLY SHOWN OR MENTIONED. THE ENGINEER WILL GIVE ANY INTERPRETATIONS NECESSARY FOR THE CONTRACTOR TO PROPERLY ESTIMATE THE JOB.

VISIT SITE, TAKE MEASUREMENTS, AND GATHER SUCH OTHER INFORMATION AS MAY BE NECESSARY FOR INTELLIGENT BID. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE FOR OMISSION OR ERROR ON THE PART OF THE BIDDER IN FIELD CONNECTION.

ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST EDITIONS OF THE CAL ELECTRICAL CODE, THE CALIFORNIA CODE OF REGULATIONS, SAFETY ORDERS OF INDUSTRIAL ACCIDENT COMMISSION, STATE OF CALIFORNIA AND OTHER APPLICABLE STATE AND LOCAL LAWS OR RULES, REGULATIONS, ORDINANCES AND STATUTES OF LEGALLY AUTHORIZED REGULATORY AGENCIES. NOTHING IN THESE PLANS AND SPECIFICATIONS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

FURNISH AND INSTALL CONDUIT AND WIRING SYSTEM SHOWN. ALL CONDUIT RUNS SHOWN ARE DIAGRAMMATIC. EXACT ROUTING SHALL BE GOVERNED BY THE BUILDING STRUCTURES AND EQUIPMENT SERVED.

PROVIDE ALL CUTTING, PATCHING, EXCAVATING AND BACKFILLING REQUIRED FOR ELECTRICAL WORK.

FIRE ALARM SYSTEM NOTES:

THE FIRE ALARM SYSTEM SHALL CONFORM TO SECTION 909, PART 2 OF TITLE 24 AND ARTICLE 760 OF PART 3, TITLE 24, CALIFORNIA CODE OF REGULATIONS.

INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAVE BEEN APPROVED BY THE CALIFORNIA STATE FIRE MARSHAL, SSD.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

DEFERRED APPROVAL, FIRE ALARM SYSTEM

1. AUDIBLE FIRE ALARM DEVICES SHALL BE OF SAME BASIC TYPE FOUND AT EXISTG SYSTEM

PREPARATION OF SUBGRADE

2.1 Scarifying: After the site has been stripped, and excavated, to furnish six inches of the subgrade, scarify for recompaction, exactly the exposed surface to a minimum depth of six inches. Thoroughly mix materials and compact to the requirements specified for fill below.

2.2 Leveling: Remove all rock, humpocks, and other uneven surfaces by surface grading prior to placement of fill.

2.3 Fill

2.4 Fill material, General: All material shall be subject to the acceptance of the Soils Engineer. Submit samples of materials as required as necessary for the purpose of making acceptance tests to provide the quality of the material.

2.4.1 Fill material: All fill material shall be soil which is free from organic matter and other deleterious substance. It shall contain no rocks.

2.4.2 Imported Fill Material: All imported fill material shall meet the requirements of Article 2.4 above and approved by the Soils Engineer.

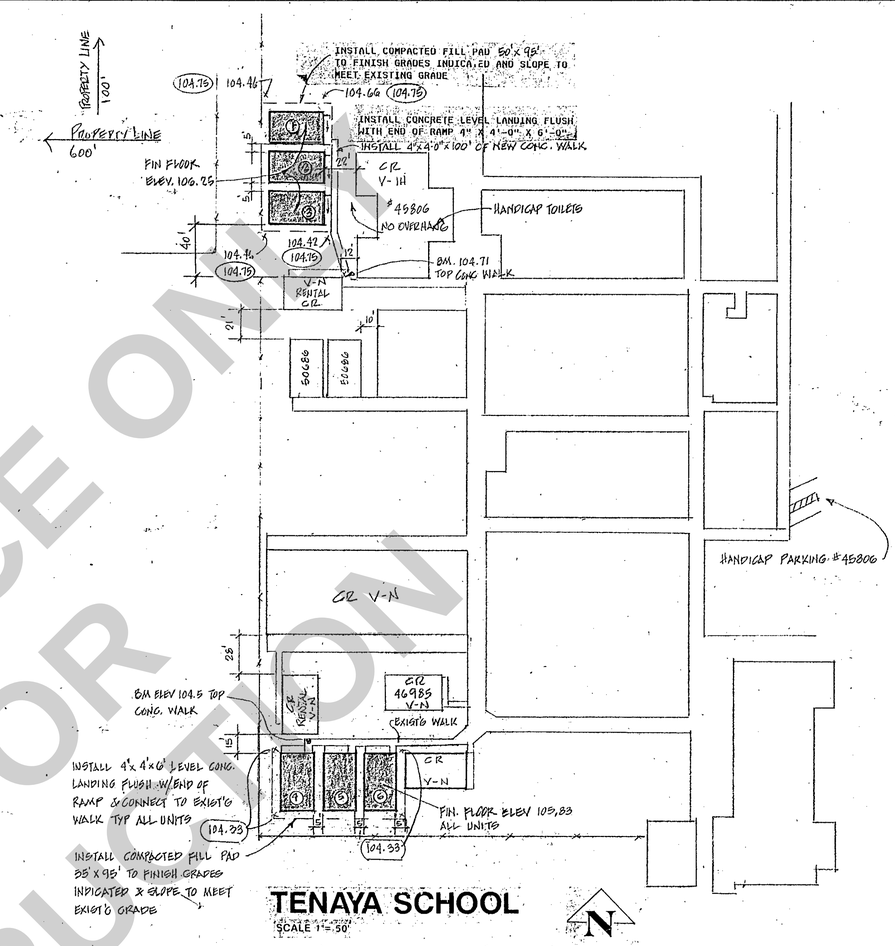
2.5 Fill and Compaction:

2.5.1 Filling: After subgrade compaction has been accepted by the Soils Engineer, spread a maximum of six inches of fill material in layers, and to bring six inches to compacted thickness.

2.5.2 Moisture-conditioning: Scarifying to a depth of six inches, water or aerate the fill as necessary, and thoroughly mix to obtain a moisture content which will permit proper compaction.

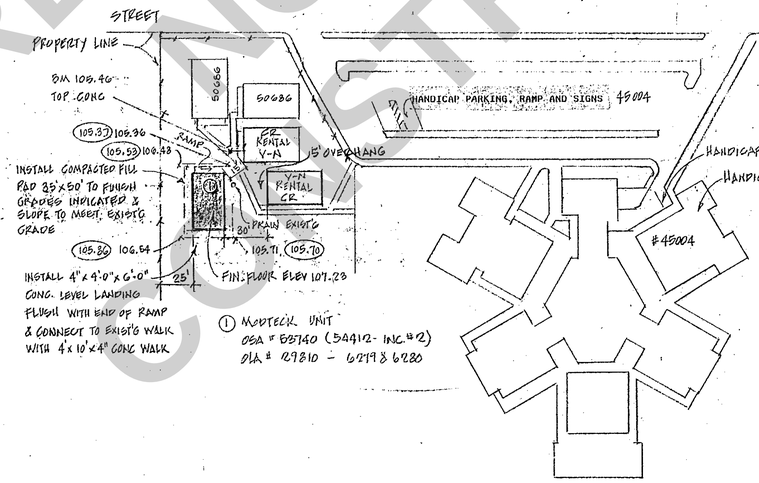
2.5.3 Compaction, Generally: Compact each soil layer to at least the specified minimum degree. Repeat compaction process until plan grade is attained.

2.5.4 Degree of Compaction Requirements: Density all structural fill, including recompacted existing fill, and backfill to a minimum degree of compaction of 90% Maximum dry density as determined by ASTM Test Designation D1557-78.



TENAYA SCHOOL

SCALE 1" = 50'



(1) MODTECH UNIT
OSA # 65740 (54412- INC. # 2)
OLA # 29810 - 62938 6280

PETERSON SCHOOL

SCALE 1" = 50'

(4) SPECTRUM
OSA- 51362
OLA- 29448 - 1074B & 1074B

(5) SPECTRUM
OSA- 51362
OLA- 29449 - 1074A & 1074A

(6) SPECTRUM
OSA- 51362
OLA- 29450 - 1070A & B

IDENTIFICATION:
Department of General Services
Office of the State Architect

5441 2 3
Inc # 1 Site work
D.C.

OFFICE OF STATE FIRE MARSHAL

APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: Inc # 2 10-1-90

OFFICE OF STATE FIRE MARSHAL

APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: 6-28-92

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54412
Backchecked By
Inc # 2

STATE OF CALIFORNIA
Department of General
OCT - 9 1990
Office of the State Structural Safety

LOCAL FIRE AUTHORITY
ACCESS ROAD AND GATE
ENTRANCE APPROVAL
BY
DATE 10-25-90

10-25-90 Inc # 2
54412 JUL 23 '90 Inc # 1
APPLICATION FILED ON

DRAWN BY	DATE

OCCUP.	CONST.	AREA
E-1	V-N	960 EA.

YEAR	LOC.	CLASS	DES.

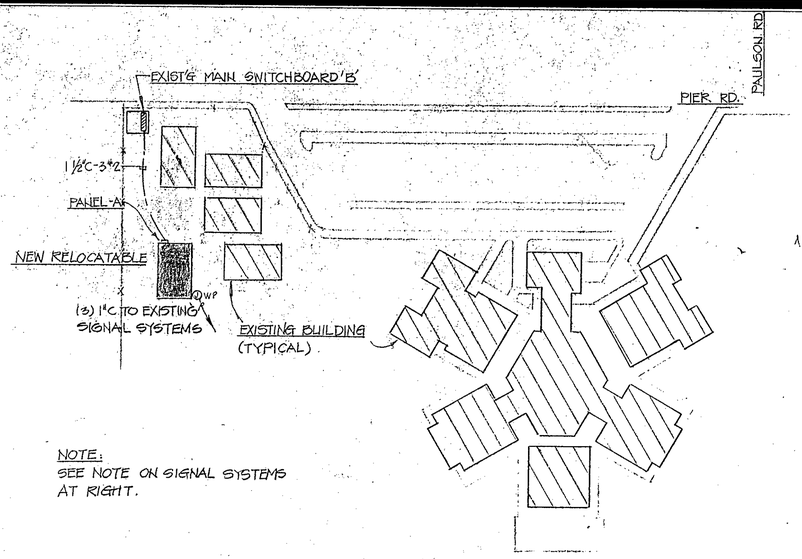
CLIENT	SITE	PROJECT

SHEET NUMBER
AS-3

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

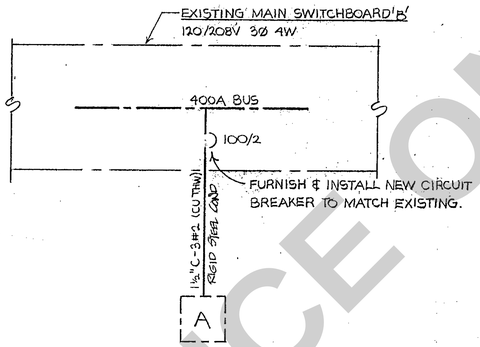
Microfilm 2024-5 04/02/2024
Addendum No. 2

120142

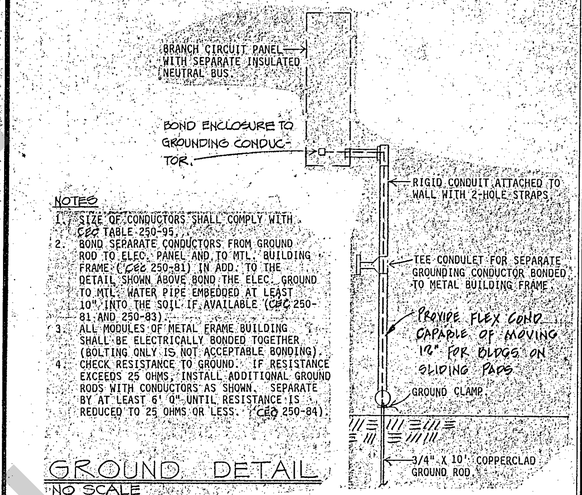


NOTE:
SEE NOTE ON SIGNAL SYSTEMS AT RIGHT.

PETERSON SCHOOL
ELECTRICAL SITE PLAN
SCALE: 1" = 50'-0"

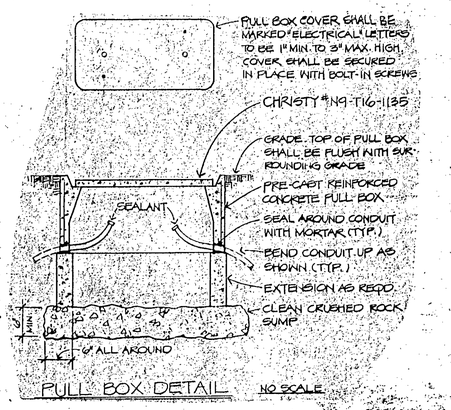


LINE DIAGRAM

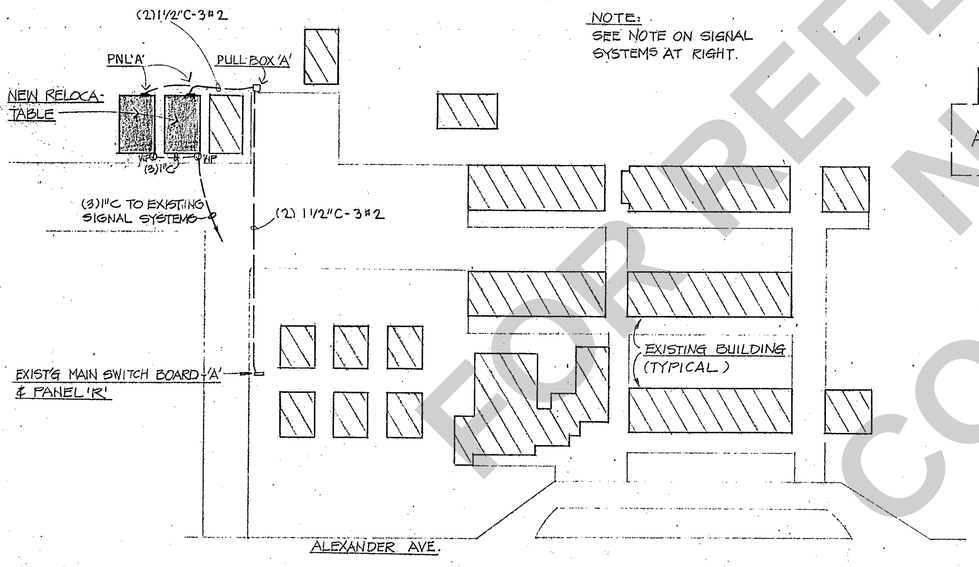


NOTES
1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC TABLE 250-95.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELEC. PANEL AND TO MTL. BUILDING FRAME (CEC 250-81) IN ADD. TO THE DETAIL SHOWN ABOVE BOND THE ELEC. GROUND TO MTL. WATER PIPE EMBEDDED AT LEAST 10' INTO THE SOIL IF AVAILABLE (CEC 250-81 AND 250-83).
3. ALL MODULES OF METAL FRAME BUILDING SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING). CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN. SEPARATE BY AT LEAST 6' 0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (CEC 250-84).

GROUND DETAIL
NO SCALE

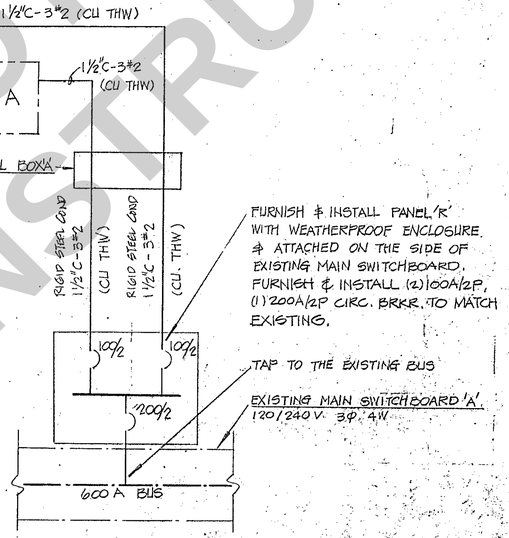


PULL BOX DETAIL NO SCALE



NOTE:
SEE NOTE ON SIGNAL SYSTEMS AT RIGHT.

BURBANK SCHOOL
ELECTRICAL SITE PLAN
SCALE: 1" = 50'-0"



LINE DIAGRAM

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: [signature] 10-1-90

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54412:3
Backchecked By [signature]

NOTES FOR SIGNAL SYSTEMS
1. EXTEND EXISTING INTERCOM, FIRE ALARM, CLOCK AND TELEPHONE SYSTEMS TO NEW RELOCATABLES. COMPLETE WITH CONDUITS, CABLES, PULL BOXES, BACK BOXES, AND COMPATIBLE DEVICES, AND REQUIRED CONNECTIONS.
2. NEW SIGNAL UNITS MAY BE CONNECTED PARALLEL WITH NEAREST OR EXISTING UNITS. EQUIPMENT SUPPLIER OR CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND INFORM HIMSELF AS TO ALL EXISTING CONDITIONS AND LIMITATION APPLYING TO THE WORK REQUIRED AND SHALL PROVIDE ALL WORK NECESSARY FOR A COMPLETE INSTALLATION.

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: [signature] 11-28-90

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
Structural Safety Section
54412:4 (1 of 2)
DC site work

STATE OF CALIF.
Department of General
OCT - 9 1990
Office of the State

EUGENE WU
No. 17336
CONSULTING ELECTRICAL ENGINEER
302 N. BLACKSTONE AVE. - FRESNO, CALIF.
TELEPHONE (209) 264-5681

EMERGENCY RELOCATABLES
FOR
MERCED CITY SCHOOL DISTRICT
CALIFORNIA
MERCED

HESSE & DU PERTUIS
PLANNERS
ARCHITECTS
2070 G Street Merced California 95340 (209)722-3346

DRAWN BY	DATE
GK/MB	

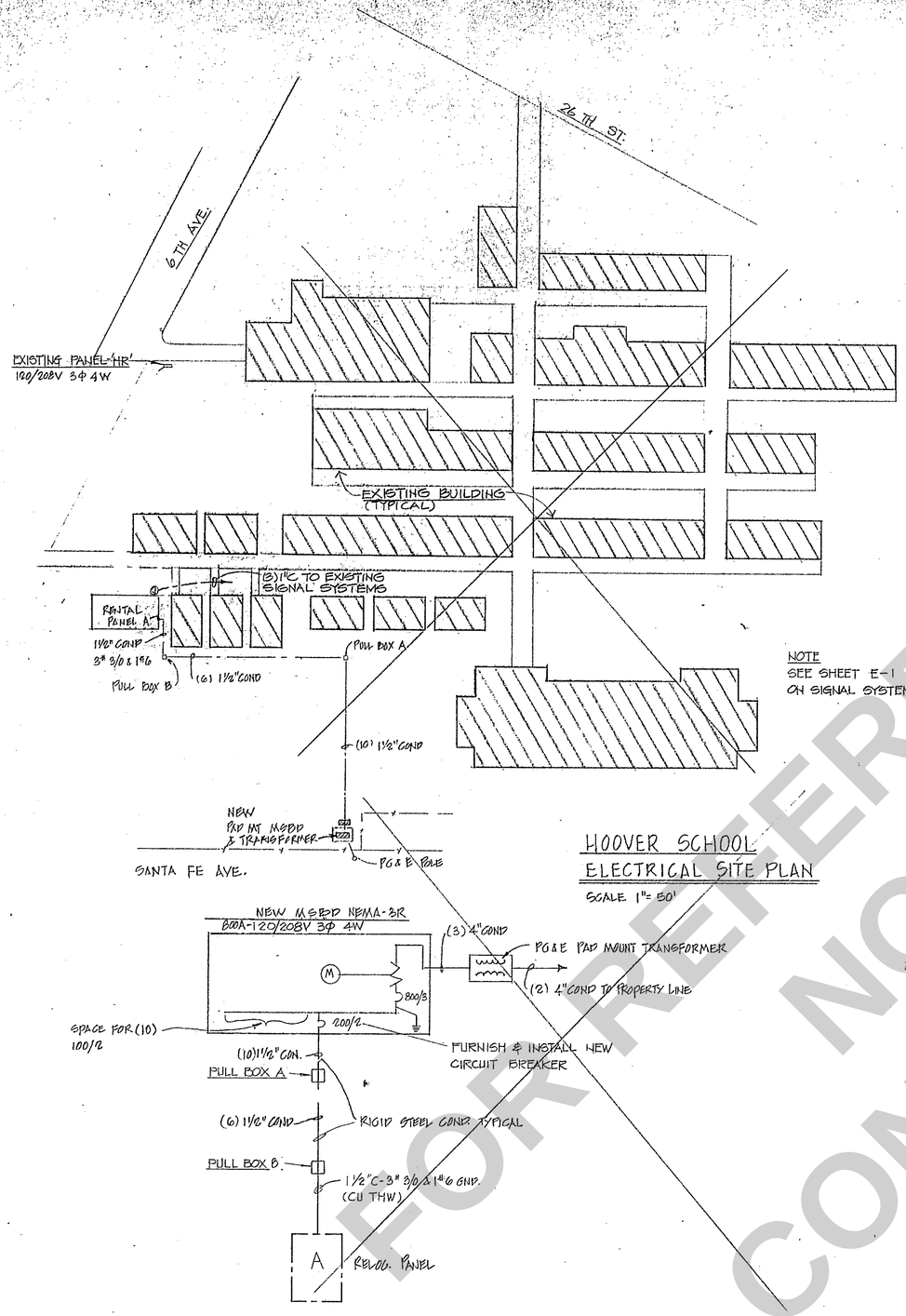
OCCUP.	CONST.	AREA

YEAR	LOC.	CLASS	DES

CLIENT	SITE	PROJECT

SHEET NUMBER
E-1
OF 4

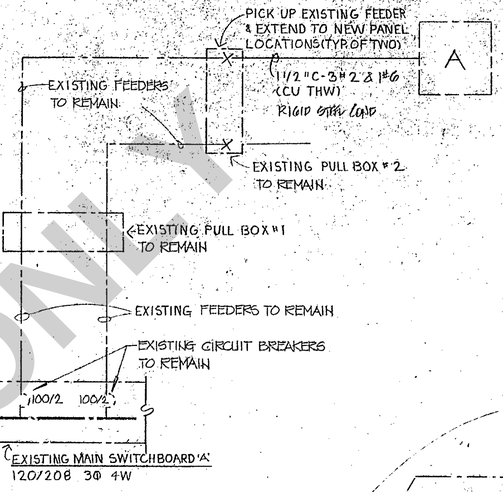
FOR REFERENCE ONLY
NOT FOR CONSTRUCTION



NOTE
SEE SHEET E-1 FOR NOTE ON SIGNAL SYSTEMS.

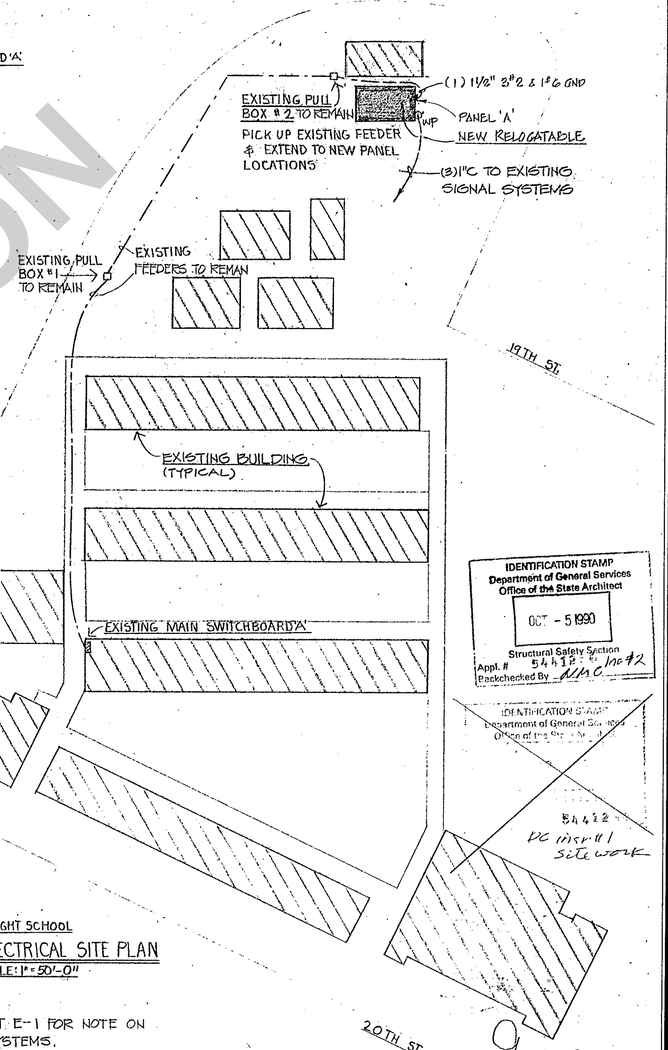
HOOVER SCHOOL
ELECTRICAL SITE PLAN
SCALE 1"= 50'

LINE DIAGRAM



LINE DIAGRAM

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviations from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the jobsite at all times.
Reviewed by: 10-1-90



WRIGHT SCHOOL
ELECTRICAL SITE PLAN
SCALE: 1"=50'-0"

NOTE:
SEE SHEET E-1 FOR NOTE ON SIGNAL SYSTEMS.

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54422
Back checked By MMC #2

STATE OF CALIF.
Department of General
OCT - 9 1990
Office of the St.
Structural Safety

54422
DC interim
site work

EUGENE WU
CONSULTING ELECTRICAL ENGINEER
337 N. BLACKSTONE AVE., FRESNO, CALIF.
TELEPHONE (209) 264-4681

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviations from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the jobsite at all times.
Reviewed by: 10-1-90

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

EMERGENCY RELOCATABLES
FOR
MERCED CITY SCHOOL DISTRICT
MERCED, CALIFORNIA

DU PERTUIS & HESSE
ARCHITECTS & PLANNERS
3070 G Street, Merced, California 95340 (209) 722-3346

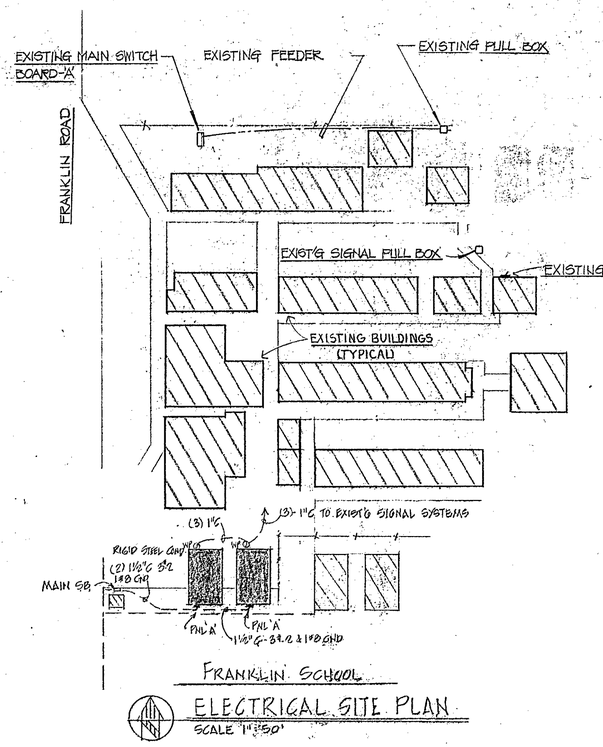
DRAWN BY	DATE
GK / MB	

OCCUP.	CONST.	AREA

YEAR	LOC.	CLASS	DES.

CLIENT	SITE	PROJECT

SHEET NUMBER
E-2 OF 4



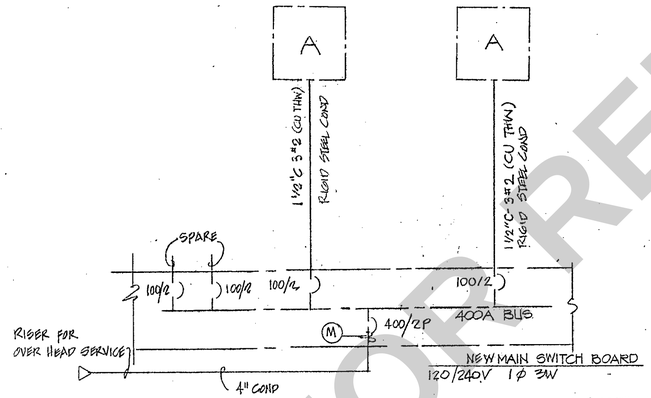
FRANKLIN SCHOOL

ELECTRICAL SITE PLAN

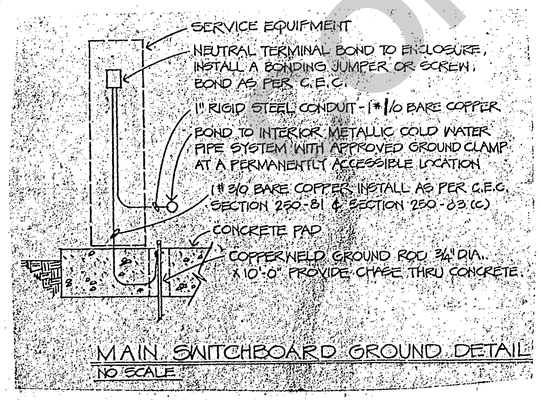
SCALE 1"=50'

NOTE.
THE VERTICAL CLEARANCE BETWEEN SERVICE-DROP CONDUCTORS AND THE ROOF SURFACE SHALL COMPLY WITH ARTICLE 230-24, C.E.C.

NOTE:
SEE SHEET E-1 FOR NOTE ON SIGNAL SYSTEMS.

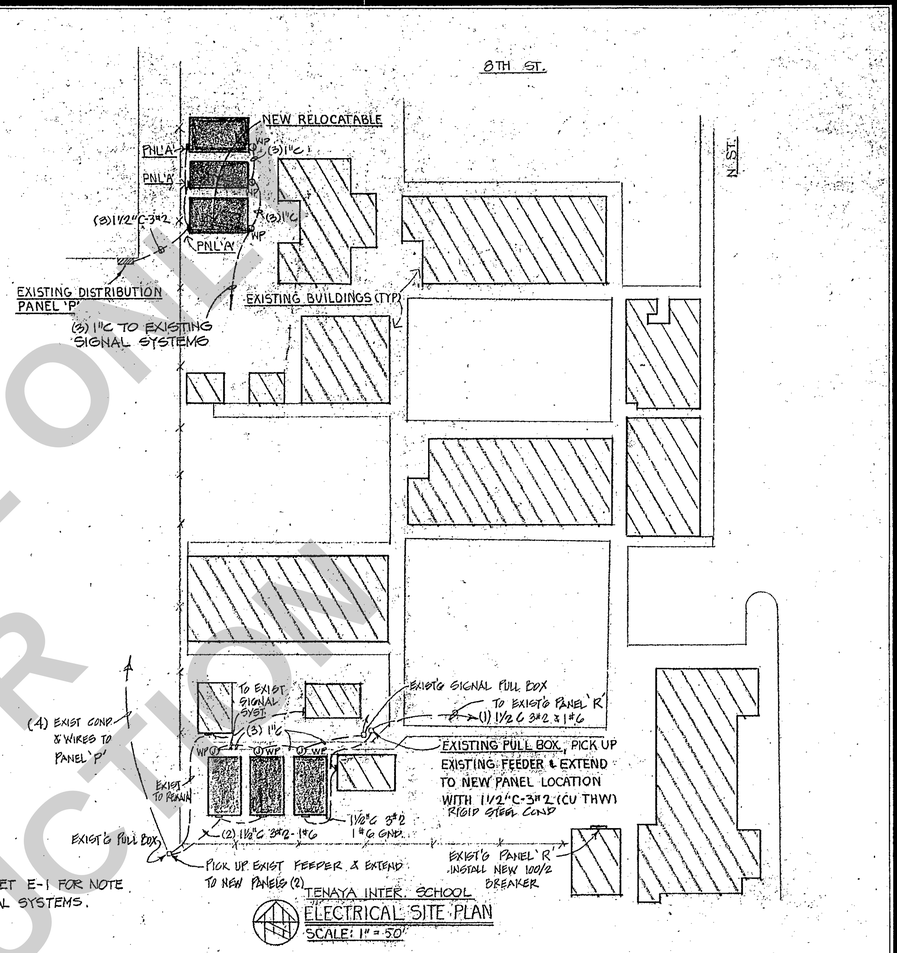


LINE DIAGRAM



MAIN SWITCHBOARD GROUND DETAIL

NO SCALE

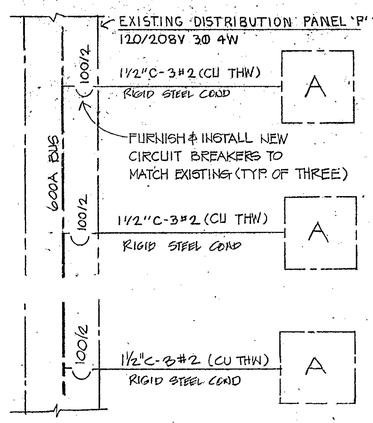


NOTE:
SEE SHEET E-1 FOR NOTE ON SIGNAL SYSTEMS.

TENAYA INTER. SCHOOL

ELECTRICAL SITE PLAN

SCALE: 1"=50'



OFFICE OF STATE FIRE MARSHAL

APPROVED

Approval of this plan does not authorize or approve any violation of code or law not shown on the plans. Field inspection shall be requested as required by field inspection. One set of approved plans shall be available on the premises at all times.

Reviewed by: [illegible] 10-1-90

CERTIFICATION
Department of General Services
Office of the State Architect
Structural Safety Section
54412
DSA site work only

OFFICE OF STATE FIRE MARSHAL

APPROVED

Approval of this plan does not authorize or approve any violation of code or law not shown on the plans. Field inspection required by Section 13146 is required. One set of approved plans shall be available on the premises at all times.

Reviewed by: [illegible] 10-25-90

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54412
Backchecked By [illegible]

STATE OF CALIF.
Department of General
OCT - 9 1990
Office of the State
Structural Safety

EUGENE WU
CONSULTING ELECTRICAL ENGINEER
327 N. BLACKSTONE AVE. / FRESNO, CALIF.
TELEPHONE (209) 264-4981

EMERGENCY RELOCATABLES
FOR
MERCED CITY SCHOOL DISTRICT
MERCED CALIFORNIA

DU PERTUIS & HESSE
ARCHITECTS & PLANNERS
3070 G Street Merced, California 95340 (209) 722-3346

DRAWN BY	DATE
GK/MB	

OCCUP.	CONST.	AREA

YEAR	LOC.	CLASS	DES.

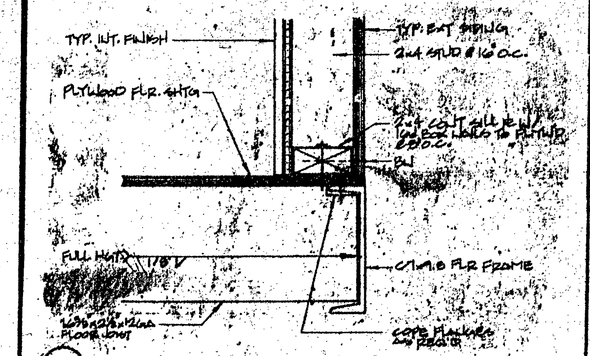
CLIENT	SITE	PROJECT

SHEET NUMBER

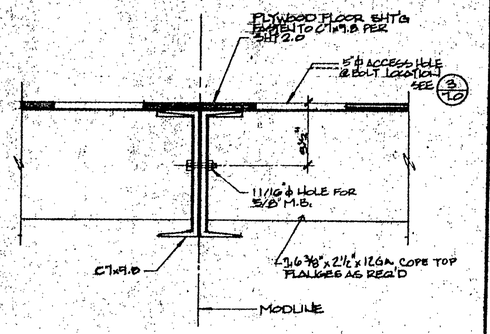
E-3 OF 4

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

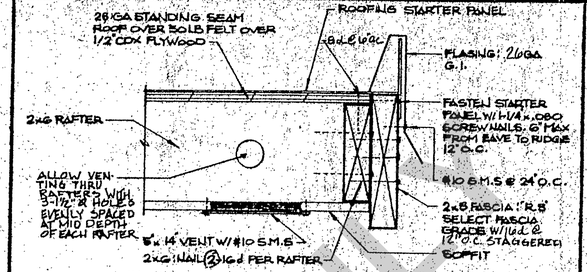
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



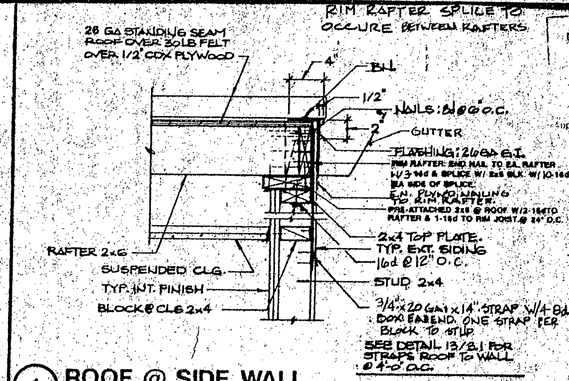
13 FLOOR FRAME AT SIDE WALL
SCALE: 3" = 1'



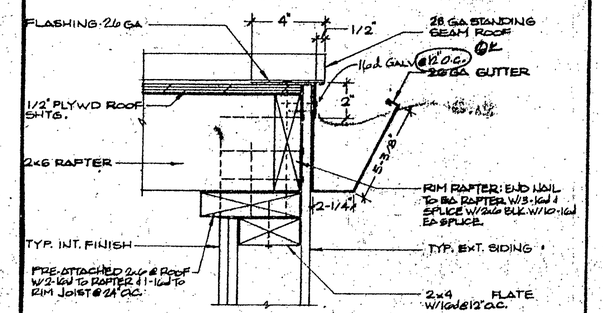
9 FLOOR FRAME @ MODULE JOINT
3" = 1'-0"



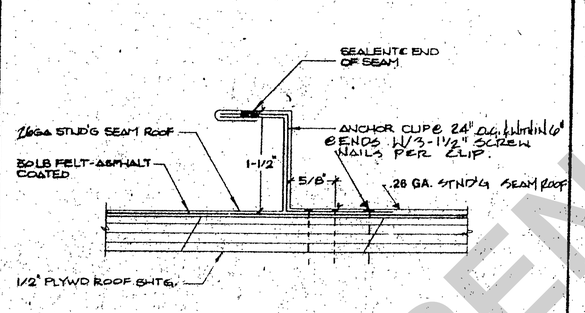
5 FASCIA
3" = 1'-0"



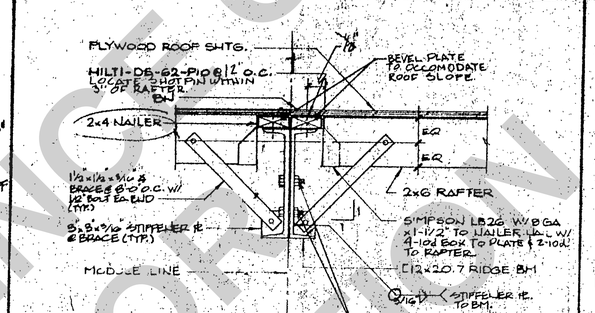
1 ROOF @ SIDE WALL
1-1/2" = 1'-0"



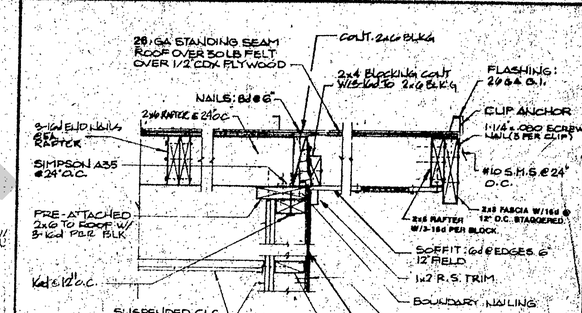
14 GUTTER @ SIDE WALL
3" = 1'-0"



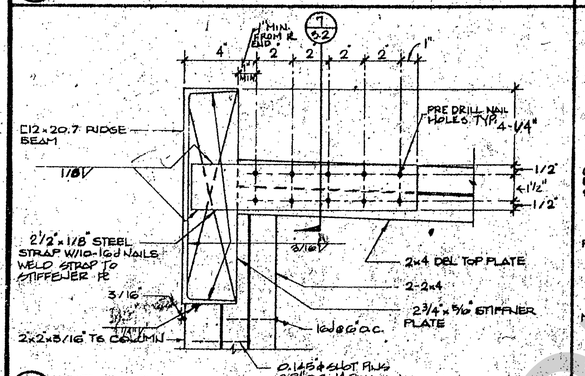
10 ROOF SEAM
FULL



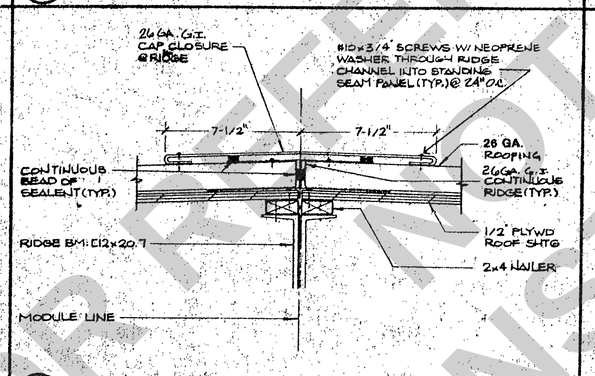
6 RIDGE BEAM
1-1/2" = 1'-0"



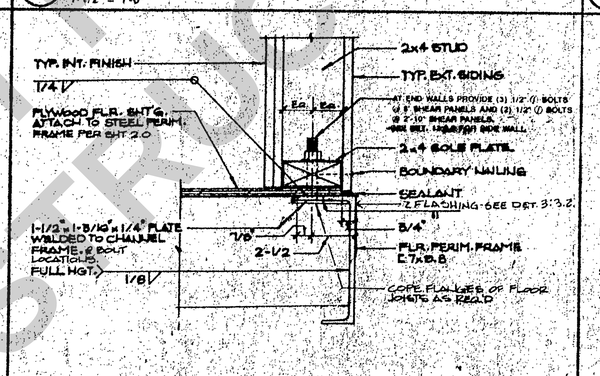
2 ROOF @ BACK END WALL
1-1/2" = 1'-0"



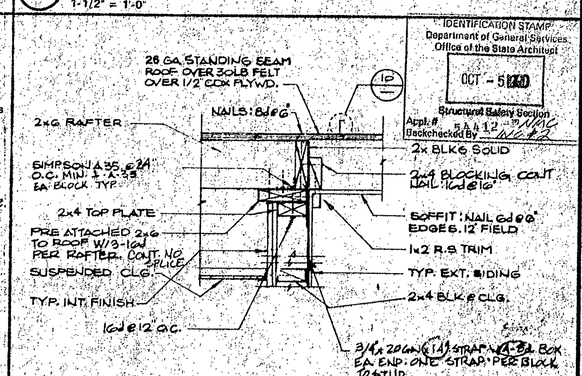
15 TIE STRAP
3" = 1'-0"



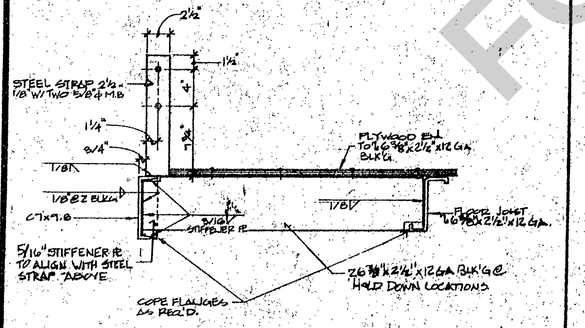
11 ROOFING AT MODULE LINE
3" = 1'-0"



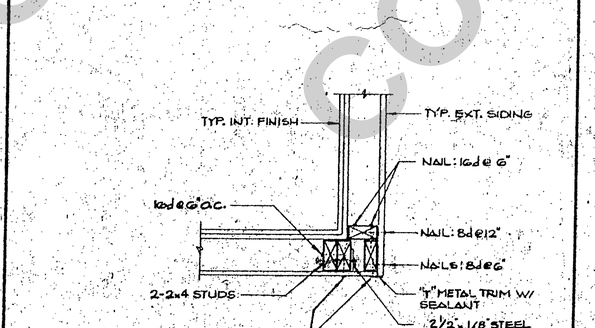
7 FLOOR FRAME @ END WALL
3" = 1'-0"



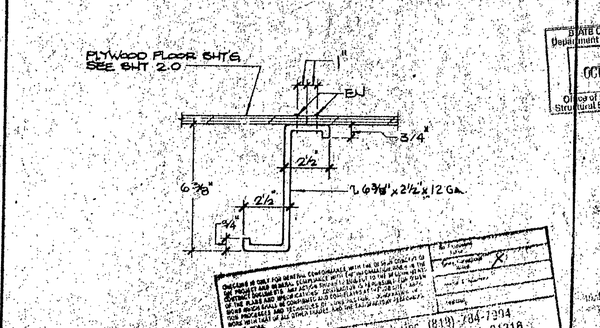
3 FRONT END WALL
1-1/2" = 1'-0"



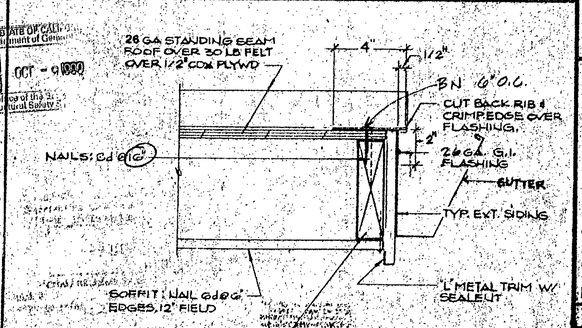
16 HOLD DOWN
3" = 1'-0"



12 WALL CORNER
1-1/2" = 1'-0"



8 TYP. JOIST
3" = 1'-0"



4 FASCIA
3" = 1'-0"

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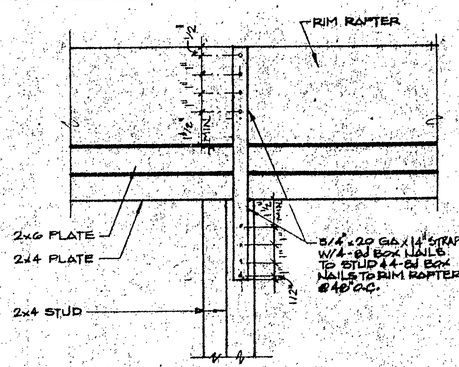
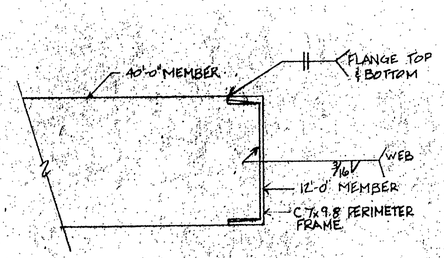
DEPARTMENT OF GENERAL SERVICES
Division of Structural Safety
TITLE 24 & 1988 UBC
JAN 19 1990
Structural Safety Section
PC - 105
A.C.S.
PC 105 W 19
FIRE MARSHAL
STRUCTURAL OBSERVATION
LICENSE NO. A5374
Exp. 11-30-91
STATE OF CALIFORNIA
OLA
TITLE 24 & 1988 UBC
OCT 1990
Structural Safety Section
PC - 105
BINDING ORDER 6
11-17-89
3.0
SO2440B

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

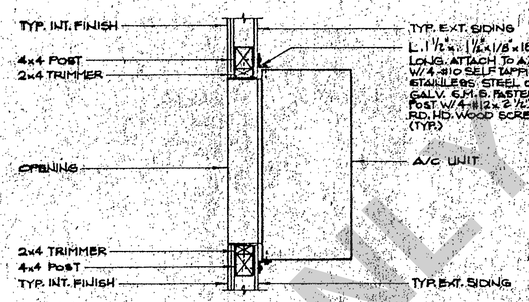
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



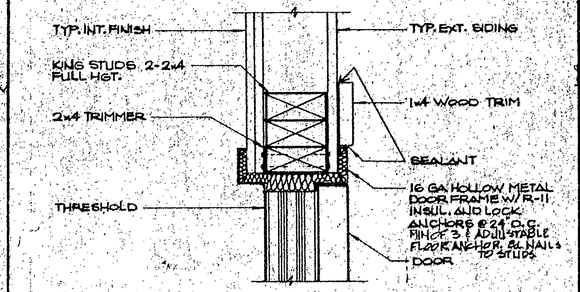
13 ROOF UPLIFT @ TOP
3" = 1'



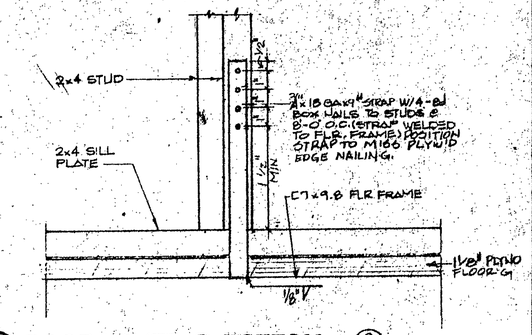
9 SECTION OF FLOOR FRAME AT CORNER



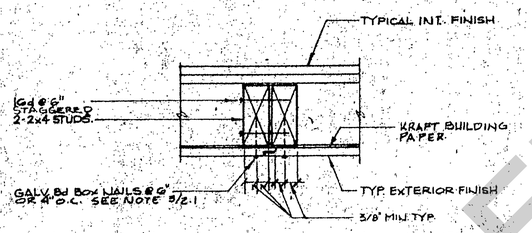
5 A.C UNIT
1" = 1'



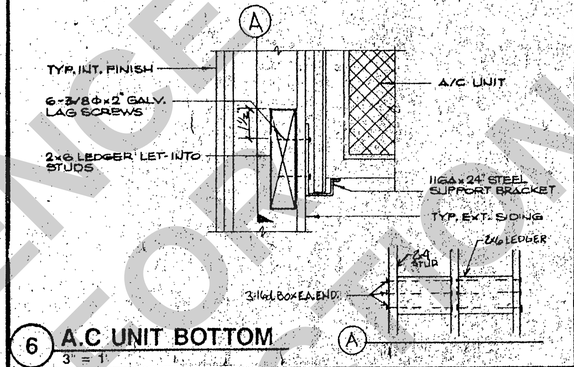
1 DOOR JAMB
3" = 1'



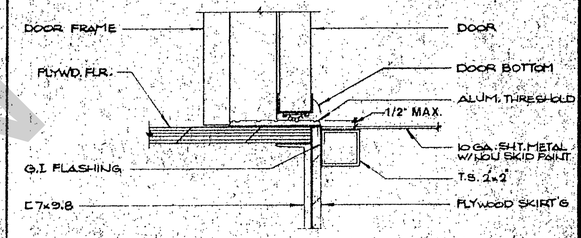
14 ROOF UPLIFT @ BOTTOM (2/3/4 ACT.)
3" = 1'



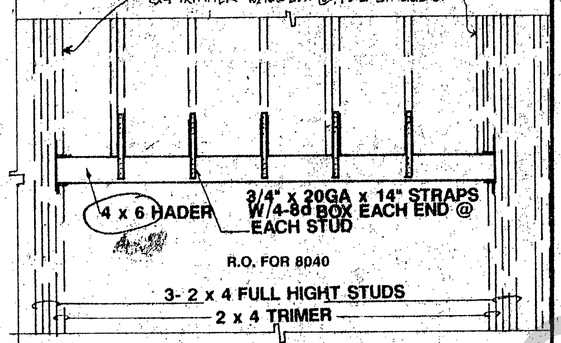
10 PANEL JOINT
3" = 1'



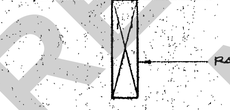
6 A.C UNIT BOTTOM
3" = 1'



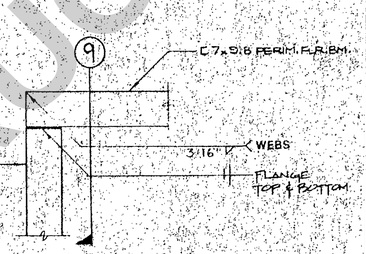
2 THRESHOLD
3" = 1'



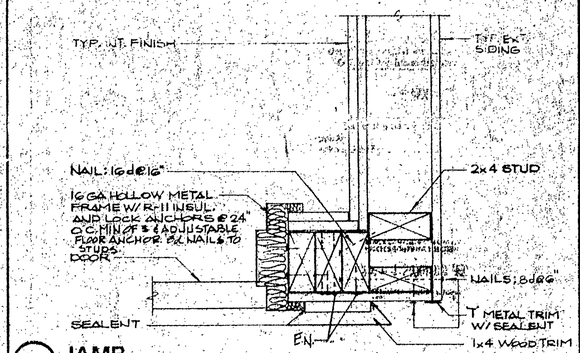
15 WALL C,C' @ WINDOW HEADER



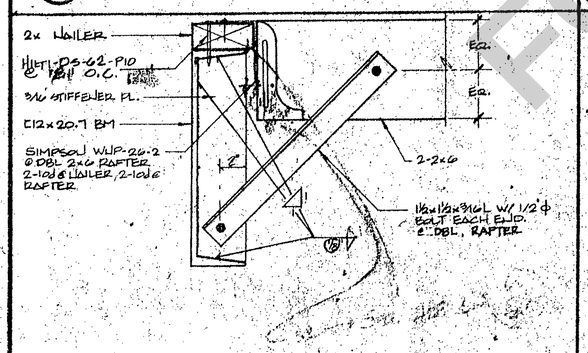
11 PLYWOOD PANEL JOINT
3" = 1'



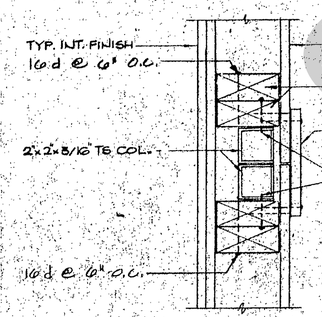
7 FLOOR FRAME @ CORNER
3" = 1'



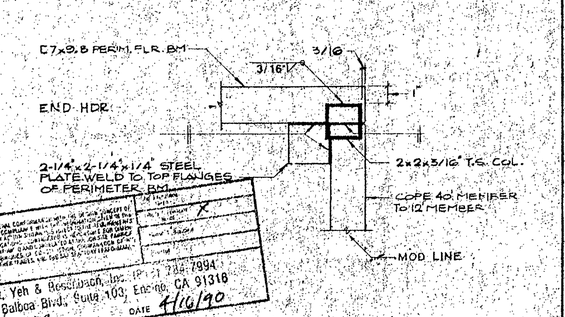
3 JAMB
3" = 1'



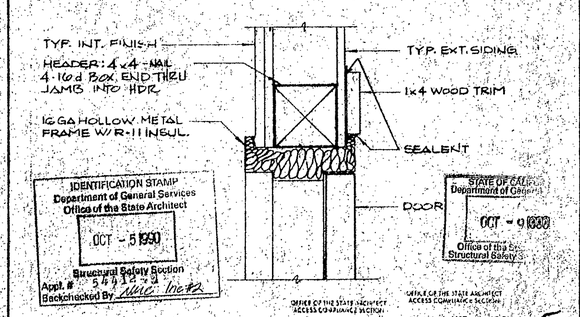
16 DOUBLE RAFTER TO BEAM
3" = 1'



12 CLOSURE @ MOD LINE
3" = 1'



8 FLOOR FRAME @ CORNER
3" = 1'



4 HEADER
3" = 1'

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54412-29
Backchecked By

STATE OF CALIFORNIA
Department of General Services
OCT - 9 1990
Office of the State Structural Safety

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
54412 OCT 01 '90

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION
5541 0 MAR 30 '90

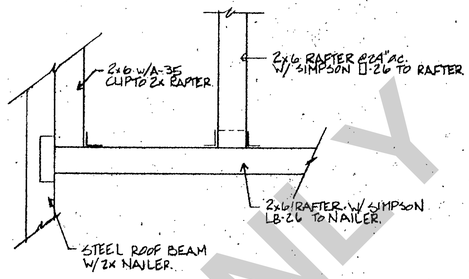
Fryer, Yeh & Rossetson, Inc.
5435 Balboa Blvd., Suite 103, Encino, CA 91316
BY JY DATE 4/16/90

O.S.A.
TITLE 24 & 1988 UBC
NAV 1 1990
A.C.S.
FIRE MARSHAL
Structural Safety Section
Appl. # 54412-29
Backchecked By
OLA
TITLE 24 & 1988 UBC
Structural STAMP
Department of General Services
Office of the State Architect
NAV 1 1990
Structural Safety Section
Appl. # 54412-29
Backchecked By
RCD-105

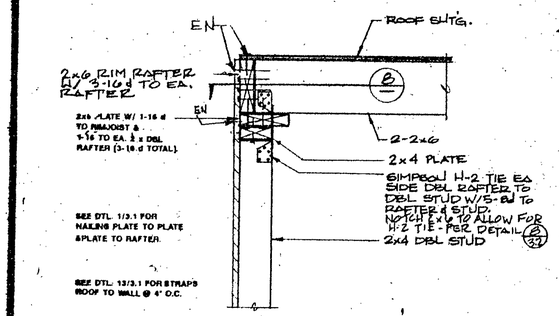
MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

BINDING ORDER 7
11-17-89
3.1.
SO2440B

MCSD BID# 2024-5 04/02/2025
Addendum No. 2

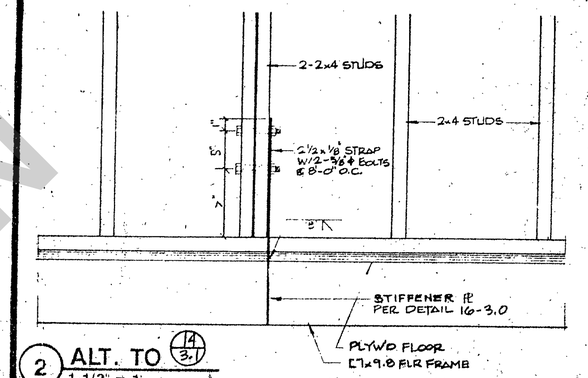


5

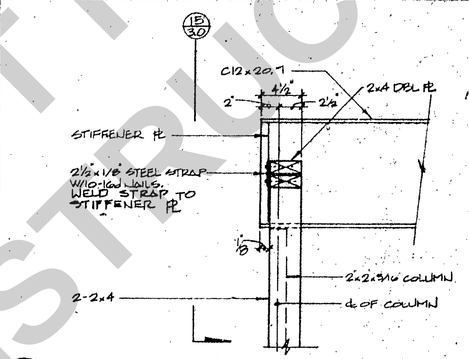


1 **DBL. RAFTER TO SIDE WALL**
1-1/2" = 1'

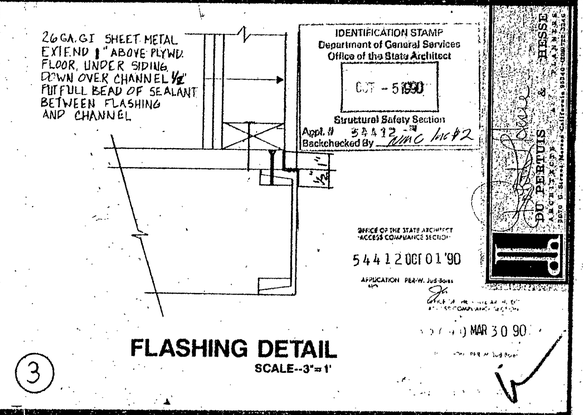
O.S.A.
Department of General Services
TITLE 24 & T20 DSA
JAN 19 1990
Structural Safety Section
A.C.S.
FIRE MARSHAL



2 **ALT. TO** (14/3.1)
1-1/2" = 1'



7 **SECTION @ TIE STRAP**
SCALE: 1-1/2" = 1'



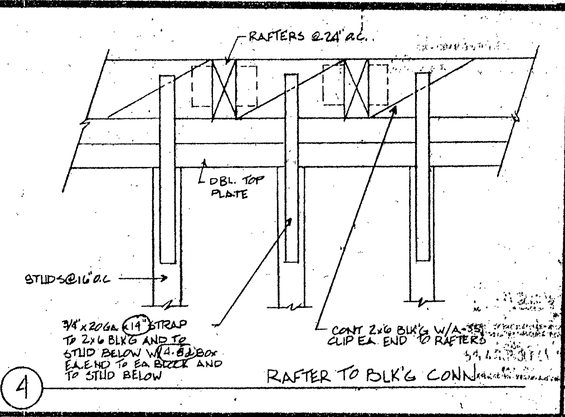
3 **FLASHING DETAIL**
SCALE--3"=1'

STATE OF CALIF.
Department of General Services
OCT - 9 1990
Office of the Structural Safety

CHECKING IS ONLY FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE APPLICABLE CODE. THE CONTRACT DOCUMENTS ARE INTENDED TO BE COMPLETE AND ACCURATE, BUT THE CONTRACTOR SHALL REVIEW THE PLANS AND SPECIFICATIONS AND COMPARE THEM WITH THE JOB CONDITIONS BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY ERRORS, OMISSIONS OR CONFLICTS DISCOVERED DURING THE COURSE OF THE WORK.

Arch. Compliance	X
Mech. & Electrical	
Struct.	

Fleet, Yeh & Brombacher, Inc. (818) 784-7994
5665 Balboa Blvd., Suite 100, Encino, CA 91316
BY JR DATE 4/16/90



4 **RAFTER TO BLK'G CONN.**

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

MODTECH

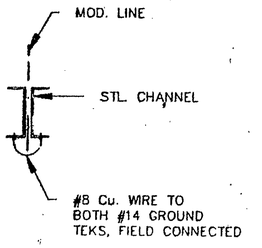
P.C.-105

L.A. TITLE 24 & 1988 UBC
IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
MAY 1 1990
Structural Safety Section
Appl. # A5 37 40
Checked By

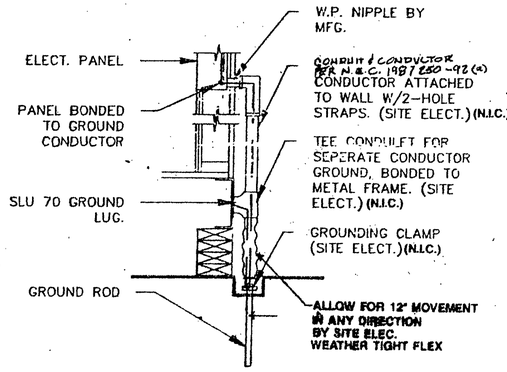
BINDING ORDER 8
11-17-89
3.2
SO2440B

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

MCSD BID# 2024-5 04/02/2025
Addendum No. 2



JUMPER @ MOD. LINE (2)
N.T.S.



TYPICAL GROUNDING DETAIL (1)

NOTES

1. EACH BUILDING SHALL BE SEPERATELY GROUNDED WITH A 3/4" RD. x 8' COPPERCLAD STEEL GROUND ROD. WHERE ROCK BOTTOM IS INCOUNTERED, ROD SHALL BE DRIVEN AT AN ANGLE NOT TO EXCEED 45 DEGREE'S FROM THE VERTICAL OR SHALL BE BURIED IN A TRENCH THAT IS AT LEAST 30" DEEP. (BY SITE ELECTRICAL.) (N.I.C.) SEE (1)
2. TESTING: TEST FOR RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS SEPERATED AT LEAST 6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (BY SITE ELECTRICAL) (N.I.C.)
3. PROVIDE EQUIPMENT ANCHORAGE PER TITLE 24, TABLE NO. 23-P
4. SIZE OF GROUNDING ELECTRODE SHALL COMPLY WITH N.E.C. TABLE 94 & 95
5. ALL WIRING SHALL BE 75° CENTIGRADE OR CALCULATE DERATION FOR AMBIENT TEMPERATURE
6. ELECTRICIAN SHALL PROVIDE 2-12 GA. SLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS WIRES SHALL BE ATTACHED TO STRUCTURE

SYMBOLS LIST

2 / 4 — 4 – TUBE FLUORESCENT LIGHT FIXTURE, RECCESSED MOUNTED. SEE SPECS	(T) THERMOSTAT (LOCKED AUTO-MATIC) @ +48"
FLOURESCENT BRACKET LIGHT FIXTURE SEE SPECS	CLOCK (7'-0")
DUPLEX WALL RECEPTACLE, GROUNDING TYPE (+18")	N.I.C. NOT PART OF RELOCATABLE BUILDING INSTALLATION CONTRACT. WORK DONE BY OTHERS.
SWITCH SINGLE POLE @ (+48") "a" DENOTES CONTROLLING SWITCH.	CONDUIT RUN CONCEALED IN WALL OR CEILING — 1/2" C,2#12 / 1/2" C, 3#12 / 1/2" C, 5#12 } SEE NOTE 5
(J) JUNCTION BOX, SIZED PER N.E.C.	A-1,3 HOME RUN TO PANEL "A" NUMBERS INDICATE CIRCUIT NUMBERS IN PANEL.
(J) JUNCTION BOX, SIZED PER N.E.C., FLUSH WALL MTD.	E.G. EQUIPMENT GROUND
FUSED DISCONNECT SWITCH RAINTIGHT. FUSED PER EQUIPMENT MFG.	C.O. CONDUIT ONLY
FIRE ALARM PULL STATION @ +48" MAX.	EQUIPMENT GROUND TO BE INSTALLED IN ALL CONDUITS

PANEL TO BE LISTED FOR USE WITH SERVICE EQUIPMENT

PANEL FLUSH NEMA 1 NQO — MAIN CB 100 A

VOLTAGE 120/240 V., 1 ϕ 60 Hz 3-W ; BUS SIZE 100 A

CIRC. NO.	OUTLETS LTS	OUTLETS REC	OUTLETS OTHERS	WATTAGE ϕ A	WATTAGE ϕ B	CIRC. BACK	CIRC. BACK AMP	CIRC. BACK POLE	REMARKS
1		4	+CLOCK	900			20	1	RECPT
2	6			900			20	1	LTS
3		4			720		20	1	RECPT
4	7				1000		20	1	LTS
5			HVAC	2902			50	2	HEAT PUMP 3 1/2T
6									SPACE
7					2902				
8									SPACE
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
TOTALS				4702	4622				

L.C.L.= 7704 (CALC)
L.C.L. x 125% = 9630
OTHER = 1620
TOTAL = 11150 OR 46.88A

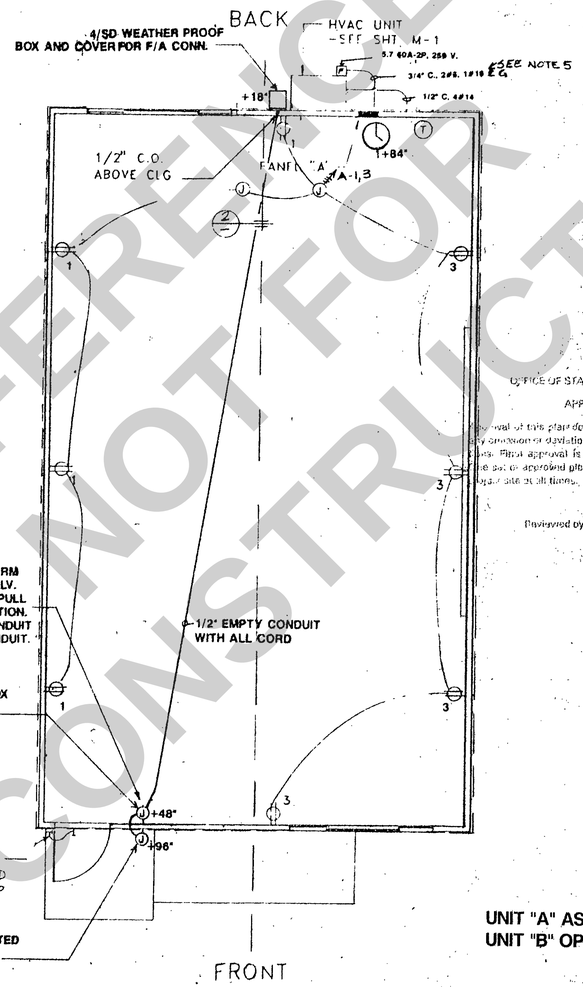
NOTE;

ALL ELECT. EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

FIXED EQUIPMENT ON GRADE	22% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE	33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIP. ON GRADE	33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIP. ON STRUCT.	50% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 2 X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE - USE 1/3 X HORIZONTAL FORCE.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE ELECTRICAL ENGINEER & THE FIELD REPRESENTATIVE OF O.S.A.

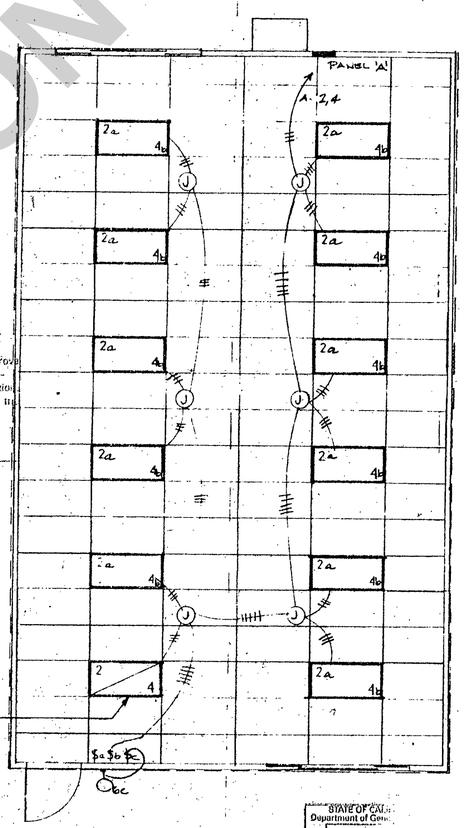


F.A.: INTERCONNECT ALL FIRE ALARM JUNCTION BOXES WITH 1/2" MIN. GALV. THIN WALL (EMT) : INSTALL CONT. PULL CORD FOR FUTURE WIRE INSTALLATION. DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT.

ELECTRICAL PLAN

SCALE 1/4" = 1'-0"

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the job site at all times.
Reviewed by: JW 10-1-90



UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

LIGHTING PLAN

SCALE 1/4" = 1'-0"

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 5 5 5 12 - 11
Backchecked By Mac Mc #2

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
3/40 MAR 30'90
APPLICATION PEND. Not Reqd.

STATE OF CAL. Department of Gen. Services
OCT - 9 1990
Office of the State Structural Safety

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
APPLICATION PEND. Not Reqd.
12 OCT 01 '90

DEPARTMENT OF GENERAL SERVICES
OFFICE OF THE STATE ARCHITECT
1130 K STREET
SACRAMENTO, CALIFORNIA 95814
(916) 445-3314

DEPARTMENT OF GENERAL SERVICES
OCT 1 9 1990
P.C. 163 11/1/90

A.C.S.

FIRE MARSHAL

FILED FOR RECORD ONLY
JAN 19 [illegible]
STATE FIRE MARSHAL SOUTHERN REGION

REGISTERED PROFESSIONAL ENGINEER
No. 776
ELECTRICAL

©MODTECH INC. 1989
O.L.A.
IDENTIFICATION STAMP Department of General Services Office of the State Architect
Structural Safety Section
P.C.-105

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

BINDING ORDER 9
11-17-89
4.0
SO2440B

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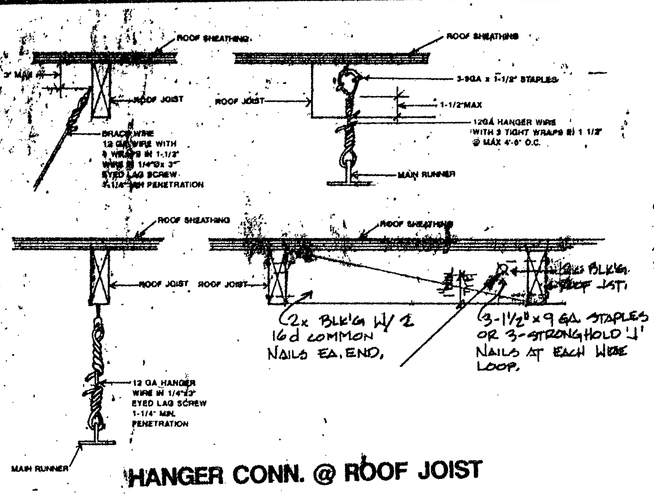
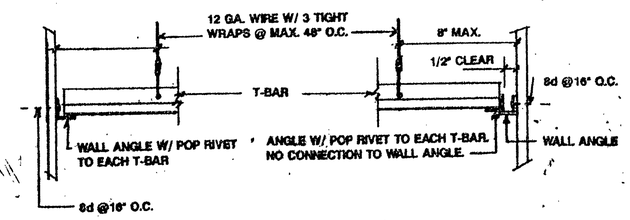
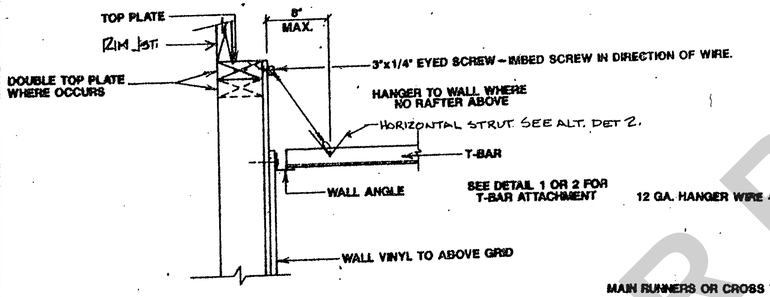
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



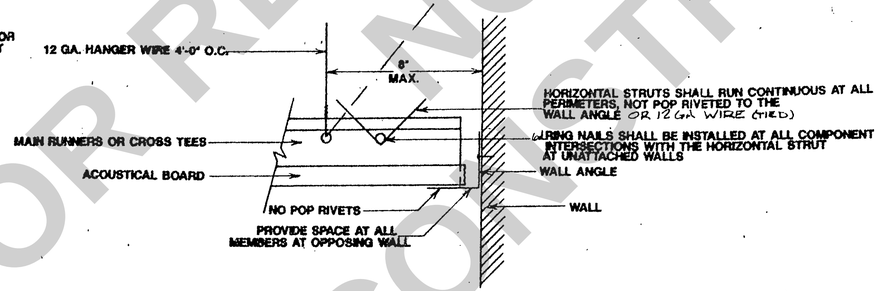
HANGER CONN. @ ROOF JOIST



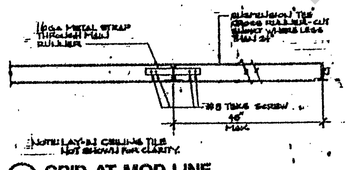
DETAIL #1 **DETAIL #2**



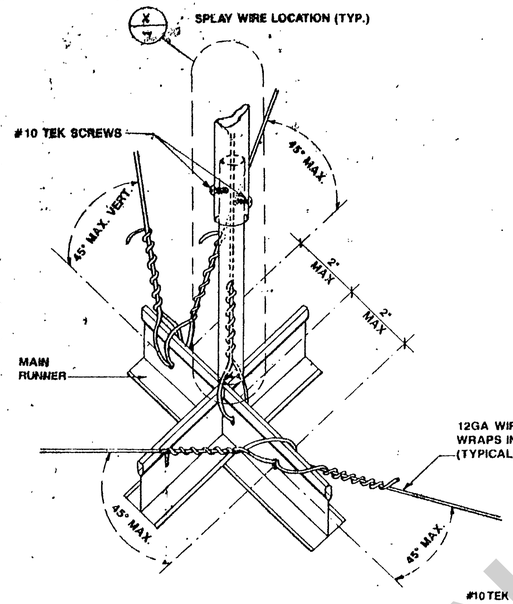
ALTERNATE TO DETAIL NO. 1 OR 2



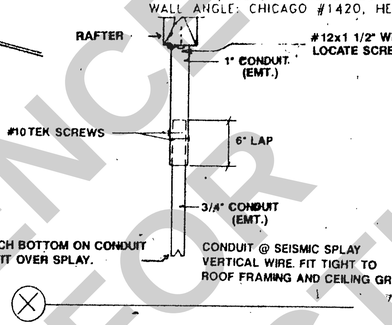
ALTERNATE TO DETAIL NO. 2



③ GRID AT MOD LINE

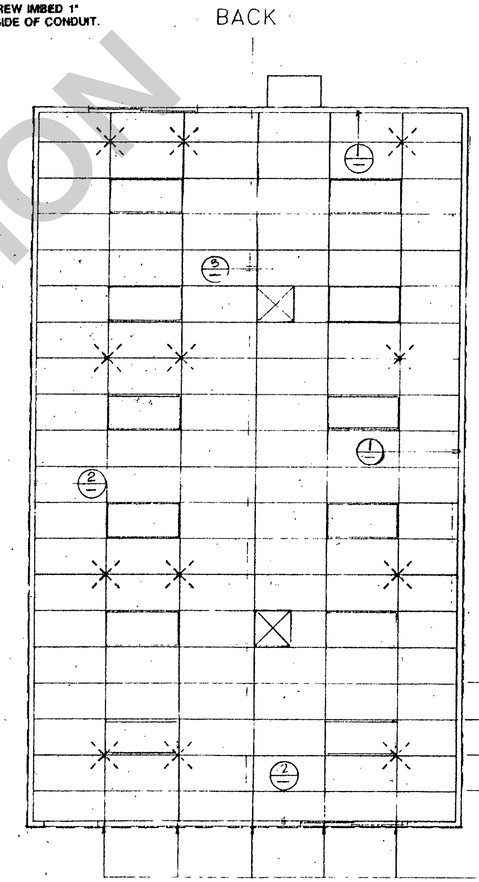


Ⓐ SEISMIC SPLAY



NOTES

1. MAIN RUNNERS @ 4'-0" O.C. W/ 12 GA. HANGER WIRES @ 4'-0" O.C.
2. AT THE END OF ROWS OF ALL RUNNERS A 12 GA. HANGER WIRE SHALL BE ATTACHED WITHIN 8" OF WALL OR SOFFIT
3. VERTICAL WIRES MORE THAN 1-IN-6 OUT OF PLUMB SHALL HAVE COUNTERBRACING WIRES.
4. ELECTRICIAN SHALL PROVIDE 2-12 GA. SLACK WIRES TO HOUSING OF ALL LIGHT FIXTURES AT DIAGONAL CORNERS. WIRES SHALL BE ATTACHED TO STRUCTURE.
5. RUNNERS MAY BE ATTACHED TO WALLS OR MOLD AT 2- ADJACENT WALLS, OTHER WALLS NO ATTACHEMENT, CLEARANCE OF 1/2" BETWEEN END OF RUNNER AND FACE OF WALL.
6. CEILING AREAS SHALL HAVE 2-WAY SPLAYS PER DETAIL "A", IN LOCATIONS INDICATED ON DRAWINGS. WIRES TAUT BUT NOT TO DISTORT GRID.
7. MAIN RUNNERS: CHICAGO #1870, 4' CROSS TEE: CHICAGO #1854, 2' CROSS TEE: CHICAGO #1856 WALL ANGLE: CHICAGO #1420, HEAVY DUTY SYSTEM
8. LIGHT FIXTURES: 2 X 4 RECESSED, ATTACHED TO GRID W/ 4- #8 SHEET METAL SCREWS.
9. DUCTWORK SHALL BE RIGIDLY ATTACHED TO BUILDING AND SHALL NOT BE CLOSER THAN 6" TO HANGER WIRES.
10. REGISTERS SHALL BE POSITIVELY ATTACHED TO GRID W/ 4-10 GA. SHEET METAL SCREWS. PROVIDE 2-12 GA. SLACK WIRES FROM REGISTERS OR SHT. MTL. DUCT TRANSITION TO STRUCTURE ABOVE.
11. ACOUSTICAL PANELS SHALL BE 5/8" MIN. THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY IN PANELS, SQUARE EDGE, ASTM FLAME SPREAD INDEX CLASS 1 (0-25), 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MIN. NOISE REDUCTION COEFFICIENT OF 0.65 MIN.



UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

SIEMIC SPLAY

2 X 4 LIGHT FIXTURE

SUPPLY AIR GRILL

REFLECTED CEILING PLAN

1/4" = 1'-0"

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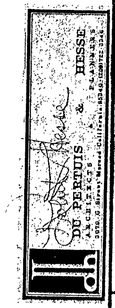
CONSTRUCTION

O.S.A.

TITLE 24 & 1988 UBC
JAN 19 1990
Barry Swe
A.C.S.

FIRE MARSHAL
FIRE AND LIFE SAFETY ONLY
JAN 19 1990
STATE FIRE MARSHAL SOUTHERN REGION



STATE OF CAL. Department of Gen. Services
OCT - 9 1990
Office of the Structural Safety

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Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl.# 54412
Backchecked By Mac Inc #2

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

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IDENTIFICATION STAMP Department of General Services Office of the State Architect
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Structural Safety Section
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P.C.-105

OFFICE OF STATE FIRE MARSHAL APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 10-1-90

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
54412 OCT 01 '90
APPLICATION FEE W. 2nd Bldg.

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
10 MAR 30 '90

BINDING ORDER 10
11-17-89
5.0
SO2440B

MCCD BIDS 2024-5 04/02/2025
Addendum #2

GENERAL REQUIREMENTS

1. GENERAL.

A. The requirements of the General Conditions of the agreement and this General Requirements apply to the several trade sections with the same force as though fully repeated in each trade section.

B. Name brands are indicated to establish a standard of quality. Items of equal or better quality may be substituted for the listed brand named products only with written approval of the Office of Procurement, OWNER, AND THE AGENCY ARCHITECT.

C. All work shall comply the requirements of Titles 19, 21, and 24, 1988 C.C.R. No change shall be made from O.S.A. approved drawings or specifications without prior written approval of O.S.A., the Agency Architect and the OWNER.

2. SCOPE OF WORK.

A. The work consists of manufacturing off-site in a plant, and installing on-site, modular relocatable buildings as defined herein and shown and detailed on drawings.

B. All requirements of Titles 19, 21 and 24 of the State of California CODE OF REGULATIONS relating to inspections and verified reports shall be complied with and shall include:

1. General responsible charge of Field Administration by the Architect of Record.

2. Inspection in-plant during the course of construction by an inspector approved by the Office of the State Architect and the Architect. The inspector shall be responsible for and approved to inspect the general construction, welding, mechanical and electrical work. Cost of these inspections shall be borne by the OWNER.

3. On-site inspection of the building installation electrical and utility installation or connections by an inspector approved by the Office of the State Architect and the Architect and retained by the OWNER.

4. Other special tests or inspections as may be required by the 1988 T-24 CCR

3. WORK NOT INCLUDED.

A. All on-site or off-site utilities and the connection of them to the building, unless indicated on the drawings.

B. All leveling, grading or other site preparation except concrete or wood leveling strips, where required, unless otherwise indicated on the drawings.

C. Fire alarm system, fire extinguisher, program bell, clock, public address system, intercom system, TV system unless otherwise indicated on the drawings.

4. ACCESSIBILITY OF SITE. The SITE CONTRACTOR shall provide access to the site for the installation of buildings. Removal of trees, shrubs, fencing, sprinklers, etc. necessary for the move-in of buildings shall be the responsibility of the SITE CONTRACTOR.

5. GENERAL CONSTRUCTION.

A. Structural Frame. Each module IS designed as a shear wall STRUCTURE to withstand vertical and horizontal loads and comply with requirements of the Office of the State Architect. The necessary provisions are incorporated in the structure to permit the relocation of the structural frame in sections not exceeding 12-feet in width.

B. Floor. The floor IS steel framed with a design live load of 40-lbs. per square foot. Ramp and landing floor load IS 100-lbs. per square foot.

C. Watertightness. Workmanship and materials shall be such that buildings will be weathertight and watertight.

6. Materials and Workmanship:

All workmen shall be skilled and qualified for the work which they perform. All materials used, unless otherwise specified, shall be new and of the types and grades specified. The contractor shall, if requested, furnish evidence satisfactory to the Agency Architect that such is the case.

Contractor's crews assigned to any work performed under this contract shall include one competent and fully experienced person designated as the responsible person in charge. Such person must be identified by name to the OLA in advance of any work. Upon request, the contractor shall promptly furnish to the State information relating to this employee's experience.

Workmanship shall be equal or better in quality to that required by the construction trades for a finished product. A quality control supervisor, designated by the manufacturer, shall review all work in progress and shall review the finished building prior to final inspection to assure it is complete and correct. The quality control supervisor shall have the authority to have materials replaced and work redone in order to correct faulty materials or workmanship.

All contractors shall certify that no asbestos-containing building materials which exceed State and Federal mandated safe asbestos levels have been used in the construction of relocatable facilities.

METAL ROOFING

1. SCOPE OF WORK. Contractor shall provide all labor, materials and services to install metal roofing. United States Testing Company Test Report IA 72140, Class "B".

2. MATERIALS:

A. Roofing. 2-inch standing seam 26-gauge galvanized IMPREGNATED ASPHALT BLOCKING SHEETS steel panels 24" widu.

B. Base Sheet. Fiberglass 25-30 pound asphalt coated.

C. Edge Flashing. 26 gauge galvanized steel.

3. WORKMANSHIP.

BASE SHEET: Apply to roof deck shingle fashion with 2-inch overlap seams. Staple to deck at 12" on center around perimeter and at 12" on center through overlap seams.

INSTALL 26-gauge edge flashing at bottom edge.

STARTER PANEL: One piece full length from ridge to eave. At ridge cut ribs back 1 1/2 inches and bend up end 1 1/2 inches (typical all roof panels), apply sealant to corners. Attach with 1 1/4 inch x .080 inch screw nails. At eave, cutback 1 inch and tightly crimp edge over eave flashing (typical all roof panels).

CONTINUE with additional panels. Apply sealant to rib ends, using hold-down clips along each seam and crimping panel edges over previous panel.

Run a bead of sealant on back side of folded up panels at ridge, butt ridge channel against sealant and attach channel to ribs with #10x3/4 inch galvanized sheet metal screws.

Install 26-gauge flashing over standing seam at ends with #10x3/4 inch galvanized sheet metal screws at 24 inches on center.

Install module close-up flashing and module close-up cap in field. Final installation shall be completely watertight.

FLASHING & SHEET METAL

1. SCOPE OF WORK: Contractor shall provide all labor, materials and services to install indicated sheet metal. ALSO TO APPLY TO GUTTERS AND DOWN SPOUTS

2. MATERIALS:

A. Sheet Metal. Steel sheets hot dip galvanized with 1.25 oz. per square foot zinc coating conforming to ASTM A123. Minimum 26 gauge unless otherwise noted on the drawings.

B. Solder. Of standard brand, Grade "A" of equal parts lead and tin ASTM B32.

C. Flux. Zinc saturated muriatic acid.

3. WORKMANSHIP. Sheet metal accurately formed to dimensions and shapes detailed with true straight lines, corners and angles. Flushings installed in longest lengths possible. Exterior work formed, fabricated and installed so that it adequately provides for expansion and contraction in the completed work and finishes water and weather tight. Aluminum shall be separated from ferrous metal by polyethelene tape.

SEALANT & CAULKING

1. SCOPE OF WORK: Contractor shall provide all labor, materials, and services to seal building.

2. MATERIALS: FS 2-90 SUPERIOR RUBBER CAULK (FED SPEC. TT-S-001657)

3. WORKMANSHIP: Sealant applied to dry; clean surface, wherever indicated on drawings and as needed to make buildings watertight, in accordance with manufacturers specifications.

INSULATION

A FLOORS.

1. Fiberglass batts, R-19 in roof, R-11 in walls. All insulation materials including facings, such as vapor barriers or breather papers installed within floor ceiling assemblies, walls, crawl spaces or attics shall have a flame spread rating not to exceed 25 and a smoke density rating not to exceed 450 when tessted in accordance with U.B.C. Standard No. 42-1.

METAL DOORS & FRAMES

1. SCOPE OF WORK: Contractor shall provide all labor, materials and services to install hollow metal doors and frames.

2. MATERIALS:

A. DOORS: Type 1 full flush, manufactured by Steelcraft Manufacturing Company, 18-GA., 1 3/4" thick W/ SOUND DEADENING MATERIAL.

B. FRAMES: 16-GA., Cold rolled 2-inch faces. Reinforced for all required hardware and include strike boxes & TO INCLUDE SOUND DEADENING MATERIAL

3. WORKMANSHIP: All work fabricate in shop per CS242, to required profiles by forming and welding, with arises and edges straight, sharp fit, fabricated accurately with square corners hairline joints and surfaces free from warp, wave, buckle or other defects. After fabrication, doors and frames cleaned thoroughly, all welds ground smooth and given prime coat.

4. INSTALL 3 (MIN.) JAMB ANCHORS AND ADJUSTABLE FLOOR ANCHOR

FINISH HARDWARE

1. SCOPE OF WORK: Contractor shall supply finish hardware as specified and as required.

2. SCHEDULE:

FOR EACH EXTERIOR DOOR -

Butts	1.1/2 pr.	Hager	1191 BB 4.1/2x4.1/2 NRP 26D
Lockset	1	Schlage	B-70 PD 26D OS Lever DLY
Closer	1	Norton	4500 D A OR EQUAL
Threshold	1	Pemko	271A
Door Bottom	1	Pemko	216AV
Weather Strip	1	Pemko	299 D

DOORSTOP QUALITY 44 OR EQUAL

OF SIDING TO FLOOR FRAME must be flush and protected with a galvanized iron "H" type flashing. All vertical shiplapped joints shall have 1/16" clearance between panels. A 3d or 4d galvanized finish nail may be used as a gauge between panels and left in place.

3. SPECIAL REQUIREMENTS.

A. EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
B. CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8 1/2 lbs. FOR EXTERIOR DOORS, 5 lbs. FOR INTERIOR DOORS.
C. MASTER KEY TO EXISTING.

STRUCTURAL STEEL

1. GENERAL.

The Contract Documents are fully a part of this section.

2. SCOPE OF WORK.

Contractor shall provide all labor, materials and services required for structural and miscellaneous steel as specified and indicated on the drawings.

3. MATERIALS.

A. Structural Steel Shapes. ASTM A-36, open hearth or electric furnace only, all regular shapes as describe in AISC Construction Manual, unless noted otherwise.

B. Cold-Formed Light Gauge Steel. ASTM A-570, Grade 33, minimum yield 33,000 PSI.

C. Structural Pipe and Tubing. ASTM A-500 Grade B or A-53 Type S Grade B.

D. Bolt Materials. Bolts and nuts, American Standard Regular, as detailed in AISC Construction Manual, fabricated from structural quality steel, ASTM A-307

E. Arc-Welding Electrodes. Class E-70 Series for welding A-36 steel to A-36 and E-60 Series for welding A-36/A-441 steel to A-36, conforming requirements of the "Structural Welding Code" of American Welding Society, latest edition.

4. WORKMANSHIP.

A. General. All work shall conform to requirements of AISC Standard Specifications, Title 21 and 24 of the California CODE OF REGULATIONS 1983, and the American Iron and Steel Institute Specifications for Design of Light Gauge Steel Structural Members.

B. Welding. All welding done by shielded electric-arc or flux cored arc process complying with requirements of the "Structural Welding Code" of the American Welding Society. Welding done by operators qualified by tests acceptable to the Office of the State Architect.

C. Erection. Structural steel erected true, straight, plumb and welded as indicated on the drawings.

D. Bolts, Nuts, Screws, etc. All exterior work shall be cadmium plated or galvanized.

E. Handrails fabricated as detailed, welds ground smooth.

F. Shop Paint.

1. All steel coated with one shop coat of red oxide primer.
2. All surfaces thoroughly cleaned by effective means prior to application of shop coat.

G. Tests.

1. Provide mill certificates or test the following members per 7-24 CCR JEE 741 LIST ON SHEET 9

C 12x20.7, C 7x9.8, Z 7x11-GA.

2. Welds shall be inspected and/or tested per 7-24 CCR

CARPENTRY

1. SCOPE OF WORK. Contractor shall provide all labor, materials and services to install carpentry.

2. MATERIALS.

Lumber grade marked in accordance with Standard Grading and Dressing Rules No. 16" of West Coast Lumber Inspection Bureau, or "Grading Rules for Western Lumber, 3rd Edition" of Western Wood Products Association. Plywood grade marked in accordance with "Product Standard PS 1-83 for Softwood Plywood" of American Plywood Association, complying with U.B.C. Standard 25-9. All framing lumber shall be marked MC-15 or surfaced dry (S-Dry):

A. ROOF FRAMING

Joists	Douglas Fir/Larch No. 2 or better.
Blocking	Douglas Fir/Larch No. 1 or better, or Hemlock Fir No. 3 or better.
Plywood Sheathing;	APA or comparable rating sheathing, Exp. 1, W/ EXT. GLUE

B. WALL FRAMING

Studs	Douglas Fir/Larch No. 2 or better. Minimum 2 x 4 at 16" O.C.
Sill (Sole Plate)	Douglas Fir/Larch No. 2 or better.
Top Plates	Douglas Fir/Larch No. 2 or better.
Double Headers	Douglas Fir/Larch No. 2 or better, minimum 2-2x4 on edge with 1/2" APA or comparable rated plywood, Exp. 1 filler.
Door and Window Openings	Double Stud/cripples, Douglas Fir/Larch No. 2 or better.
Blocking	Douglas Fir/Larch No. 3 or better.

C. FLOOR FRAMING

Plywood Sheathing/ Subfloor	APA or comparable rated STURD-I-Floor, 48" o.c., 1-1/8" thick, T & G, Exp. 1, or series C-101, C plugged D, 48" OC, 1-3/32" thick, T & G, Exp. 1.

All wood structural members below the subfloor, shall be pressure treated with an approved process and preservative to the maximum possible retention by full-cell process or treatment to refusal. Markings shall be legible on each pressure treated structural member or certification of treatment must be supplied for each bundle.

D. Foundations

THE SUBLOWER SHALL BE SET ON Pressure treated Douglas Fir 2 X SILL AND shall be verified by a Certificate of Treatment stating, "the material in this unit was treated per Uniform Building Code Standard Section 25-12". All material for use in ground contact shall be stamped "For Ground Contact" (LP22). All material not used in ground contact shall be stamped "For Above Ground Use" or "Not For Ground Contact" (LP2). Each piece of pressure treated material shall be stamped with the appropriate AWPB stamp.

E. Siding

Medium density overlay (M.D.O.) APA 303-O/L. Simpson "Guardian" or equal (BLOCKED DIAPHRAGM)

Seal all panel edges and ends with a heavy coat of high grade exterior house primer or an aluminum primer formulated for wood before installation. All horizontal joints in siding and between skirting and SIDING INCLUDING JUNCTION

All plywood siding shall be APA or comparable rated exterior type. Each panel shall be identified with the grade mark of the grading association and shall meet the requirements of Product Standards PS 1-83. Siding shall be 19/32" (minimum) thick with shiplap at long edges and of one of the following styles: embossed surface with V-groove, grooved, embossed groove, or reverse board and batten.

F. Trim

All windows and door openings shall receive trim of at least 1" x 4" size. The roof edge shall receive at least 2" x 6" size. The trim shall be rough or resawn D select D.F., H.F., or spruce. Trim shall be sealed at all edges with silicone or architectural grade caulking. Caulking shall be painted to match siding or trim color unless of the transparent type. At roof edge only, embossed waferboard siding with M.D.O. surface, 7/16" thick aluminum may be used in lieu of 2" x 6".

G. Skirting

Skirting shall be the same thickness and type of plywood used for siding except that plain ungrooved material shall be used where the long direction of the sheet runs horizontal. If grooved plywood is used for skirting, the grooves shall match and line up with the grooves in the siding. All edges and the bottom of the skirting shall be supported and the entire space below the building shall be closed off. Maintain 1-1/2" minimum clearance from the bottom of plywood skirting to finish grade. Provide 18 GA. expanded galvanized metal fresh air vents or approved vandal resistant equal to comprise a minimum net area of 7.5 square feet.

H. Roof Overhang @ SOFFITS

All overhangs shall present a pleasing and finished appearance. Soffits shall be enclosed with no wooden framing members. Soffit material shall be 3/8" min. plywood of the same type as used for siding. If grooved material is to be used, grooves shall match the grooves on the exterior siding. Plywood soffit material shall be applied with long direction running parallel to the length of the building. Soffit shall be neatly and closely fitted and trimmed to cover gaps. All enclosed soffit areas shall be ventilated per the U.B.C.

I. MOISTURE BARRIER: KRAFT WATERPROOF BUILDING PAPER, U.C.B. STD. 17-1, APPLIED TO STUDS WEATHERBOARD FASHION, HORIZONTAL JOINTS LAPPED MIN 6", VERTICAL JOINTS & CORNERS LAPPED MIN 6"

J. WORKMANSHIP

A. Framing securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true-to-line. Trim ends as long lengths as possible with all standing trim in one piece.

B. Nailing in accordance with Title 24, California CODE OF REGULATIONS. All nails to be box. Nails exposed to weather shall be galvanized per UBC STD. 25-17, 18, 19. Machine applied nailing shall have prior demonstration and approval by OSA field representative and the architect. Plywood shall have minimum thickness of 3/8" and nailing shall be done with plywood in a horizontal position. Nailing that fractures plywood surface or HDO face is not acceptable. Approval is subject to continued satisfactory performance.

SECTION 16000 ELECTRICAL

1. GENERAL. The Contract Documents are fully a part of this Section.

2. SCOPE OF WORK. Contractor shall provide all labor, materials and services for electrical installation complete with associated equipment and fixtures, in operating conditions ready for use. The work includes light and power systems, lighting fixtures complete with lamps, connections and disconnects to A.C. equipment.

3. MATERIALS AND EQUIPMENT. All new complying with requirements of National Electric Code and National Fire Protection Association.

A. Electric Metallic Tubing, couplings and flex conduit galvanized or aherardized.
B. Panelboards: Flush mounted with hinged lockable doors and indexed card holders. Locks furnished by School District.
C. Conductors: Copper, insulated for 600 volts, type TW for sized #12 to #8, type THW for larger sizes.
D. Receptacles: BRYANT OR EQUAL HOSPITAL GRADE 8300-I
E. Clock Receptacles: Single pin locking, CLOCK WITH TWO-PIN BASE
F. Switches: BRYANT 4901 OR EQUAL HEAVY DUTY GRADE
G. Lighting Fixtures: CRESCENT LIGHTS MODEL 3716, LITHONIA 232 3/701, LP OR EQUAL

Lens: .125" thick clear prismatic one piece with neoprene gasket and "Posigrip" tamperproof stainless steel screws.
Lamps: Two (2) 7-watt T7, 2700°K fluorescent.
Ballast: 120v, HPF reactor or preheat ballast.

INTERIOR LIGHT FIXTURE: CRESCENT 24TE440DLA WITH 4-34 WATT TUBES

1. Shall incorporate energy efficient ballast and 34 watt tubes.
2. Overall illumination at desk level (30" above the floor) of an average 50 foot candles.
3. Clear acrylic prismatic lens.
4. Built-in reflector housing. Must be full length and width of the fixture.
5. Night lighting shall be provided at all exits.

H. WIRING:
All electrical wiring 110V and greater shall be in conduit systems and shall meet or exceed the requirements of N.E.C. Minimum size conduit 1/2". ALL WIRING SHALL BE 75° CENTIGRADE OR CALCULATE DERATION FOR AMBIENT TEMPERATURE

Acceptable conduit:

Electrical metallic tubing (EMT); galvanized thin wall
Flex (interior); galvanized steel
Flex (exterior); galvanized steel with factory applied P.V.C. jacket

All conduits shall be continuous from outlet to outlet and shall be secured in conformance with T-24, Part 3. Field bends shall be avoided wherever possible. Where bends must be made, use an appropriate "Hickey" or bending machine. Ream and debur all conduit prior to installation and terminate in appropriate bushings or conductors.

Wiring shall be #14 min. copper type TW, THW, THHN or THWN as applicable. Conduit fill shall not exceed requirements of T-24, Part 3. A separate grounding conductor shall be pulled throughout the entire system. Take care to avoid damage to wire or insulation during pull-in. Use powdered soapstone or a pulling compound such as "Yellow 77" lubricant if necessary.

4. WORKMANSHIP. Materials and equipment installed in a secure neat, workmanlike manner in accordance with Code requirements. Panelboard cards filled out. Conduit and cable installed in wall and ceiling spaces. Work piercing waterproofed areas flashed and sealed to a watertight condition.

FINAL SITE CONNECTIONS BY SITE CONTRACTOR

WINDOWS

#2440 ANODIZED ALUMINUM FRAME 5/8" MIN. DUAL PANE WINDOW. THE 5/8" DIMENSION IS THE MIN. THICKNESS for the dual glazed window panel consisting of two lites of glass and the air space. A thicker section may be used if desired.

Window frame shall be the 50%, double sliding sash type (XOX). Glazing materials shall be:

Exterior lite - 3/16" minimum tempered glass or laminated AS-1 glass of solar gray, glare reducing type with a light transmission factor of 46% maximum.

Interior lite - 1/8" minimum clear tempered.

Minimum air space shall be 1/4".

Space - Bent or sealed corner aluminum with desiccant fill.

Sealer - Butyl primary seal and polysulfide of silicone secondary seal.

Certification - All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA CW101-88 Voluntary Spec. for aluminum prime windows and sliding glass (AW32), commercial grade.

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Department of General Services
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Appl. # 90-C4
Jacket/Index # 1/MC Ind #2
- 5 -
Structural Safety Section
State of California
Department of General Services
OCT - 1990
Office of the Structural Safety
OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
5 4 4 1 2 OCT 01 '90
APPLICATION FILE NO. 90C-4
ACCESS COMPLIANCE SECTION
3 7 4 0 MAR 30 '90
APPLICATION FILE NO. 90C-4

GENERAL NOTES AND SPECIFICATIONS

O.S.A.
DATE 2-15-90
JAN 19 1990
Structural Safety Sect.
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MODTEC, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

BINDING ORDER 11
11-17-89
6.0
SO2440B

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

SECTION 09900.2 PAINTING

1. GENERAL. The Contract Documents are fully a part of this Section.

2. SCOPE OF WORK. Contractor shall provide all labor, materials and services to paint building. All exposed surfaces of building and ramp shall be painted except aluminum window frames, thresholds and pre-finished doors and frames.

3. MATERIALS OR EQUAL All paints of the type indicated shall be listed on the State of California Qualified Products List for Maintenance Paints 8010-91G-98A dated July 1989. No alternates will be allowed.

EXTERIOR

Ref. Brand Dunn Edwards

Primer 42-9M

Finish W201-XX

TRIM

Ref. Brand Dunn Edwards

Finish W901-XX

4. WORKMANSHIP.

A. Exterior - Wood siding, trim and skirting flat or semi-gloss latex - apply one coat of primer and at least one finish coat. Prime coat shall be brushed on or sprayed and back brushed into all grooves in the siding. If necessary, in the opinion of the inspector, an extra coat shall be applied to all grooves so that the finish coat will have a uniform appearance. Allow prime coat to dry according to manufacturer's recommendation. Prime and finish coats shall be compatible and manufactured by the same company. AS SHOWN IN THE END OF THIS SECTION

B. Interior Trim - All trim not precoated shall be painted with two coats of semi-gloss latex over primer.

C. Metal - All metal surfaces shall be painted with two coats of alkyd finish coat over red lead, zinc cromate, or comparable rust inhibiting primer.

	ITEM CODE	DUNN EDWARDS
Metal: Alkyd Primer	8010-009-1000-0 (Red)	43-4

ALKYD FINISH COATS 8010-009-1033-5 (COLORS) OD-60-XX

SECTION 13000 SITE ASSEMBLY

1. GENERAL. The Contract Documents are fully a part of this Section.

2. SCOPE OF WORK.

Contractor shall provide all labor, materials and services to prepare the building elements, transport them from the plant to the site and to complete the assembly at the site.

ARCHITECT SHALL PROVIDE ALL INFORMATION NECESSARY FOR DISTRICT TO ACHIEVE APPROPRIATE SITE REQUIREMENTS SUCH AS DRAINAGE, SOIL BEARING CAPACITY ETC. MANUFACTURER IS RESPONSIBLE FOR ONLY THE WORK SHOWN ON THE APPROVED DRAWINGS

3. ASSEMBLY OF ELEMENTS.

A. In a location on the site as determined by the ARCHITECT, the contractor shall place concrete leveling strips or other suitable supports as detailed on the drawings.

B. The elements shall be brought to the site on wheel assemble and transferred to the prepared site. Great care shall be taken to avoid damage to the elements by racking or bumping each other.

C. Connection of the elements together shall be done according to instruction on the drawings. Flashings, trim and other loose items shall be installed.

D. THE SITE WILL BE CLEARED AND GRADED TO WITHIN 8" OF LEVEL GRADE FOR EACH BUILDING. EACH SITE WILL HAVE A MINIMUIM SOIL BEARING CAPACITY OF 1000 PER SQUARE FOOT.

E. Installation shall be permitted on either soil, concrete or A/C paving, having suitable design bearing capacity. The buildings shall be securely fastened to the foundations. The foundations and the method of fastening shall be subject to approval by the Agency Architect and the OSA. Pads shall be designed for a minimum of 1000 PSF load on the soil. Pads shall not be placed on turf.

4. Erection at the Site

Once delivery of modules on site is made, installation shall commence immediately and be pursued in a timely manner until complete. All modules called for at that site shall be scheduled for delivery and installation in one continuous time frame, at least two per week (Saturdays, Sundays and Holidays excepted). Failure to begin installation within 24 hours after delivery (Saturdays, Sundays and Holidays excepted) or failure to complete building installation to the approval of the State within ten (10) calendar days after building delivery shall be considered as a Breach or Default of the Contract and the State may invoke Paragraph 13 of the General Provisions.

SECTION 15000 AIR CONDITIONING

1. GENERAL. The Contract Documents are fully a part of this Section.

2. SCOPE OF WORK. Contractor shall provide all labor, materials and services to install the air conditioning system as shown on the drawings and specified including A.C. units and accessories, remote thermostat, grills and power wiring complete to load center. Contractor shall instruct owners/operators on operation and maintenance of A.C. system. Manufacturer's literature, instructions and guarantees shall be delivered to school office.

3. EQUIPMENT. Air Conditioning units as noted on drawings.

All units shall incorporate an exterior factory mounted thermostat to sense the outside ambient temperature and stage the electric heat controllers. The circuitry shall prohibit the supplemental electric heat strips from operating simultaneously with the heat pump compressor. The thermostat shall be factory preset at 25°F and adjusted to the thermal balance point of the structure to allow the heat strips to operate only below that setting. If the outdoor temperature is above this point the heat pump shall operate and the electric heat strips shall be locked out.

At elevations where the HVAC heat pump noted above is not adequate to meet the listed criteria, the contractor shall provide a HVAC heat pump that will meet the geographic requirements.

NOTES:

(1) Calculations shall be based on an occupancy of thirty (30) pupils and an interior space of approximately 9,000 cubic feet, the mechanical ventilation system shall provide approximately 15 cubic feet of fresh air per minute per pupil and a total of 45 cubic feet of air per minute per pupil.

(2) This size building is exempt from the requirements pertaining to HVAC equipment contained in the citation, paragraph 3.3.26.

(3) Manufacturer's literature, operating instructions and guarantee shall be delivered to the school office at the time the building is delivered.

(4) The unit shall be installed in strict accordance with manufacturer's instructions with particular attention to required flashing.

A. The system shall maintain an automatically controlled indoor classroom temperature of 78°F. in summer and 68°F. in winter with a 45% relative humidity when the outdoor dry bulb temperature varies between 100°F. in summer and 10°F. in winter and a wet bulb temperature of 72°F. (average).

B. The system must maintain the above temperatures when the damper is adjusted to use approximately one-third fresh air.

Ductwork:

A. Non-Metallic Ductwork: In accessible concealed portions of duct system rigid 1" fiberglass or insulated "Flexduct" with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 5' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure. Reference Brands: "Owens-Corning Fiberglass" Duct Board, 1" thick, and "Manville" Micro-Aire, Type 475. Non-metallic ductwork shall confora to NFPA 90-A and 90-B and SMACNA Class I rating.

4. WORKMANSHIP. Units shall be installed complete and operating with all accessories in accordance with the manufacturer's instructions.

WHITE MARKER BOARD

Chalkboards shall be 18 ga. porcelain steel facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated to a particle board or medium density fiberboard substrate with a minimum density of 45#/c. ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding and chalkrail with a minimum of 2-15/16" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalkrail are to incorporate a channel to wrap around the panel. Three (3) map hooks with clips per panel shall be provided. One flag holder, 1/2" size, shall be provided for each classroom. Each classroom shall have 2 each 4 x 8 panels installed side by side to make a 4 x 16 panel, centered on one of the long walls. Reference brands: Chatfield Clarke Co. Series 500 or Nelson Adams Co. MAC Series 60.

INTERIOR WALLS

All interior walls shall be vinyl covered tackboard applied in one continuous length from floor to ceiling. Tackboard shall be applied over 1/2" sheetrock, 3/8" plywood sheathing. The vinyl coating shall weigh a minimum of 8 oz. per square yard. The vinyl wall covered panel shall have a Class III flame spread rating. The panel shall be approved for classroom use by the Office of the State Fire Marshal. Reference Brand: Vinyl Covered Tackboard as manufactured by Bomtar Gypsum America, Inc. or Chatfield-Clark. Care shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.

GENERAL Concrete

SCOPE OF WORK.

Furnish all labor, materials, and equipment necessary to complete continuous concrete footings and slabs as approved by the Office of the State Architect and as noted in the specifications.

MATERIALS

Concrete shall be furnished by an accredited ready mix plant, with a design strength of 2000 PSI in twenty-eight (28) days. Each batch shall be accompanied by a weighmaster's certificate from the plant.

Certificates shall be available for inspection by the inspector and the Architect.

Aggregate shall conform to ASTM C33. Coarse aggregate shall be 3/4 inch MAXIMUM. Slump shall be 4 inch maximum.

Reinforcing steel shall conform to ASTM A615 grade 40. Welded wire fabric shall conform to ASTM A185.

INSTALLATION
MIX USE METHOD A, NON DESIGN MIX, CONFORMING WITH TITLE 24, SECTION 2604 (e) C.C.R

All concrete, unless otherwise specified, shall be cast in forms, shall be unyielding, true to line, and level.

FOOTING DESIGN
Provide concrete footings which shall be designed for 1000 PSF soil pressure.

BEARING

The top surface of the continuous footings shall be accurately leveled and smoothly finished.

RAMPS/RETAINING WALLS

Ramps, landings, walks and stairs shall be installed as indicated on drawings. Provide a heavy broom finish.

INSPECTION AND TESTING

Deposit of concrete shall be continuously inspected.

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DEPARTMENT OF GENERAL SERVICES
Office of the State Architect
- 5 1990
NMC #2

10-1-90

STATE OF CALIFORNIA
Department of General Services
OCT - 9 1990
Office of the Structural Safety

OCT 30 '90

5441200101'90
APPLICATION FEE W 2nd Story

GENERAL NOTES & SPECIFICATIONS

HESSE & DU PERTUIS
ARCHITECTS
2070 G Street Merced California 95340 (209) 722-3646

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195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

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P.C.-105
BINDING ORDER 12
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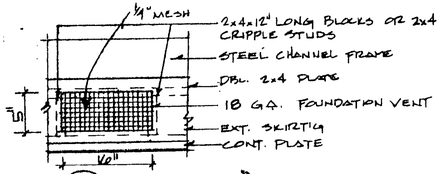
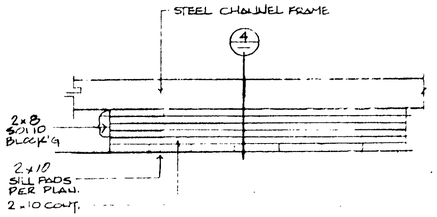
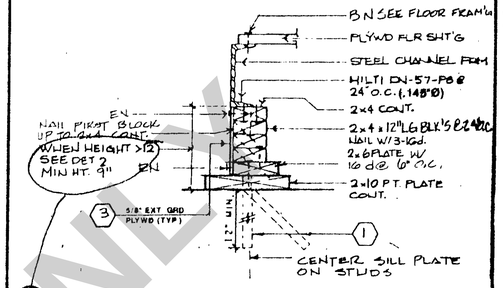
Addendum No. 2



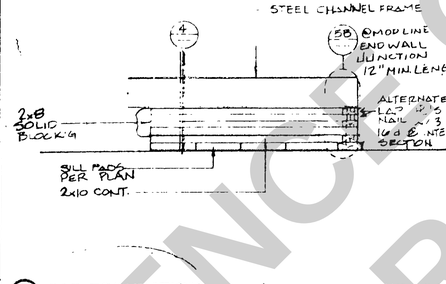
8 **FOUNDATION VENT**
1"=1'-0"



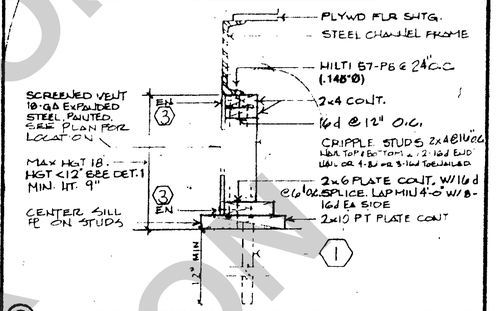
6 **PAD FOUNDATION** 3/4" = 1'-0"



1 **PERIMETER FOUNDATION @ SIDE WALL** 1 1/2" = 1'-0"

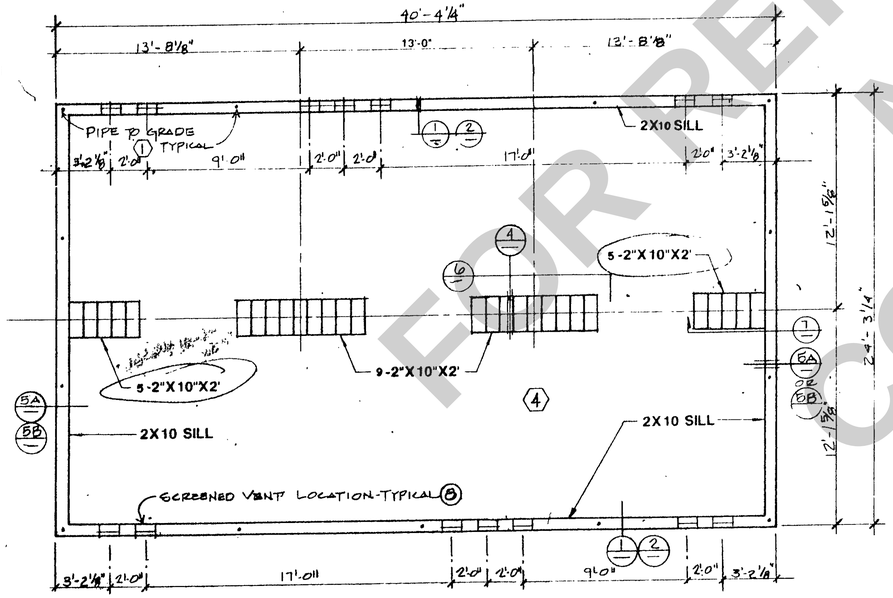


7 **PAD FOUNDATION** 3/4" = 1'-0"



2 **PERIMETER FOUNDATION @ SIDE WALL** 1 1/2" = 1'-0"

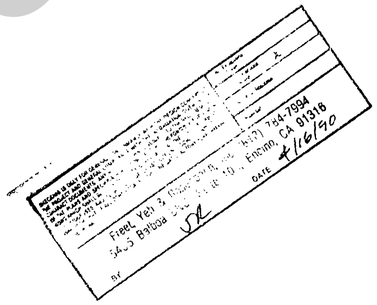
DIMENSIONS FROM OUTSIDE FACE OF 2 X 10 SILL PLATE



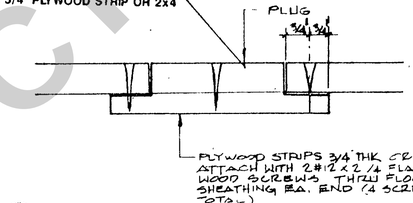
WOOD FOUNDATION PLAN

DESIGN ALLOWABLE FOUNDATION PRESSURE 1000 PSF 1/4" = 1'-0"
REQUIRED VENTING: 7.5 SQUARE FEET

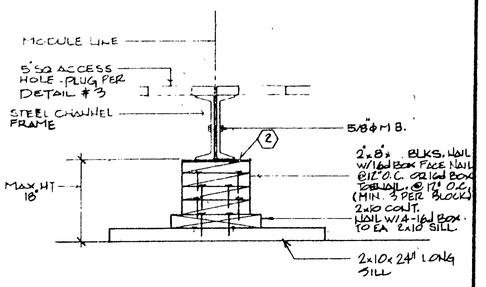
FLOOR LIVE LOAD = 70 P.S.F.



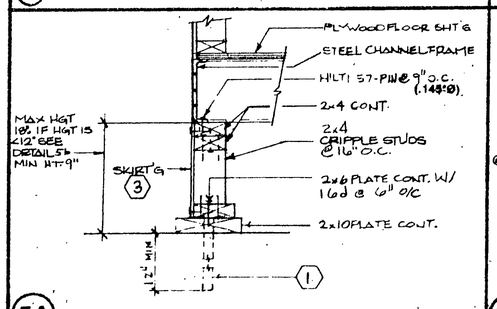
PLUG: PIECE OF FLOOR SHEATHING W/1-#12x2 1/4" FLAT HEAD SCREW INTO 3/4" PLYWOOD STRIP OR 2x4



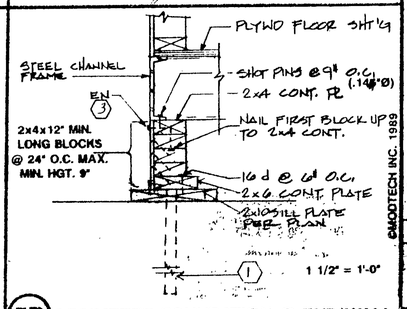
3 **FILLER @ ACCESS HOLE**



4 **PAD FOUNDATION** 1 1/2" = 1'-0"



5A **PERIMETER FOUNDATION @ END WALL** 1 1/2" = 1'-0"



5B **PERIMETER FOUNDATION @ END WALL**

NOTES:

1. SOIL RESTRAINT.
ON SOIL 1" GALVANIZED PIPE @ 10'-0"O.C. WITH 12" PENETRATION BELOW SURFACE VERTICALLY. DRILL SILL 1 1/4" MAX. PIPE MAY BE DRIVEN MAX. OF 45° ANGLE TO VERTICAL. (18 1/2" LONG PIPE REQUIRED FOR PENETRATION @ 45° ANGLE).
ON A.C PAVING 1" GALVANIZED PIPE @ 10'-0" O.C. OR DRIVE 20d COMMON NAILS THRU SILL PLATE AT 32" O.C. DRILL SILL 1 1/4" MAX.
ON CONCRETE PAVING HILTI DS #2-P10 THRU SILL PLATE:
END WALLS: 11" O.C.
SIDE WALLS: 32" O.C.

2. WHERE SHIM STOCK IS REQUIRED FOR LEVELLING USE 1/4", 1/2", OR 3/4" THICK CDX PLYWOOD SAME WIDTH AS BLOCK

3. SKIRTING NAILING: 8d AT 4" O.C EDGES, 12" O.C. FIELD. BLOCK ALL EDGES
5/8" EXT. GRD. PLYWD (TYP.)

4. VERIFY DRAINAGE TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. WITH DISTRICT ARCHITECT SITE PLANS.

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N 19 90
Structural Safety Section
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DU PERTUIS & HESSE
ARCHITECTS
3070 G Street Merced California 95340 (209) 383-2284

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OCT - 5 1990
Structural Safety Section
Appl. # 11MC 1618 92

JW 10-1-90

STATE OF CA
Department of Gen
OCT - 9 1990
Office of the Structural Safety

OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
5441 2 OCT 01 '90
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OFFICE OF THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
5740 MAR 30 '90
APPLICATION REJECTED

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195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

MODTECH

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MCSD BID# 2024-5 _ 04/02/2025
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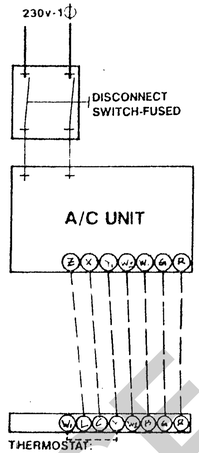


CONTROL SCHEMATIC

ALL MECHANICAL EQUIP. SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:

FIXED EQUIPMENT ON GRADE	22% OF OPERATING WEIGHT
FIXED EQUIPMENT ON STRUCTURE	33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIP. ON GRADE	33% OF OPERATING WEIGHT
EMERGENCY POWER EQUIP. ON STRUCT.	50% OF OPERATING WEIGHT

FOR FLEXIBLY MOUNTED EQUIPMENT USE 2 X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE - USE 1/3 X HORIZONTAL FORCE.

WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON DRAWINGS THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER & THE FIELD REPRESENTATIVE OF O.S.A.

EQUIPMENT SCHEDULE

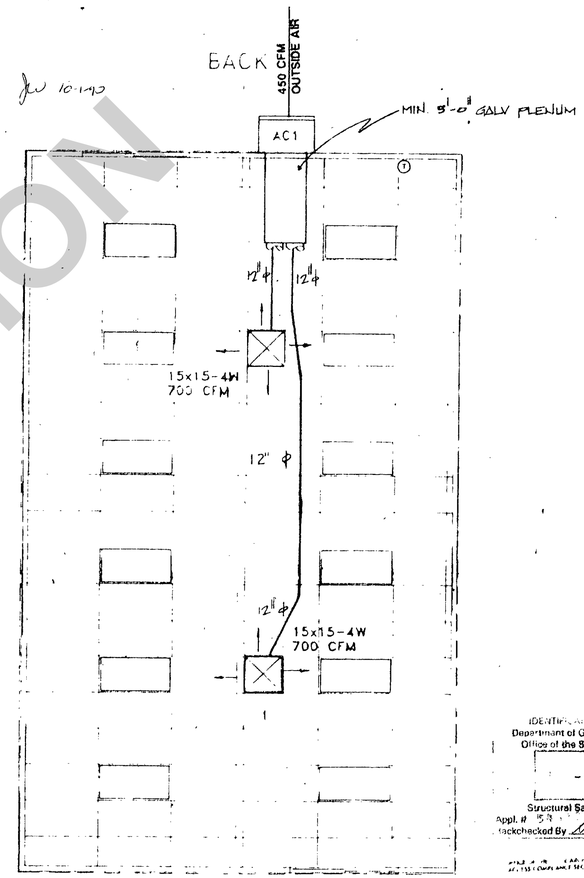
AC1 – WALL MOUNTED HEAT PUMP

INTERTHERM PWY-042KAVX08,

208/230V-1PHASE
* NOMINAL 8 KW ELECTRIC STRIP HEATER
F.L.A. ON COOLING = (21.5)+(3.4)+(3.0) = 27.9 AMPS
F.L.A. ON HEATING A = (21.5)+(3.4)+(3.0) = 27.9 AMPS
F.L.A. ON HEATING B. = (33.4)+(3.0) = 36.4 AMPS
WT. = 500 LBS. NOMINAL

Ⓣ – THERMOSTAT: HONEYWELL T7300 OR WHITE RODGERS 1F92 W/ LOCKING CLEAR COVER W/ ACCESS HOLE FOR PROGRAM OVERRIDE.

* CIRCUITRY PROHIBITS SIMULTANEOUS OPERATION OF COMPRESSOR AND ELECTRIC HEATER.



UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND

FRONT

AIR CONDITIONING PLAN

1/4" = 1'-0"

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Office of the State Architect
5 1990
Structural Safety Section
Appl. # 53
Backchecked By MMC Inc #2

MAR 30 '90

STATE OF CA
Department of Ge
OCT - 9 1990
Office of the Structural Safety

5441 2 OCT 01 '90

DU PERTUIS & HESSE
ARCHITECTS
2090 S. Bascom Avenue, California 95008 (408) 559-2244

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

MODTECH

©MODTECH INC., 1989

O.L.A.

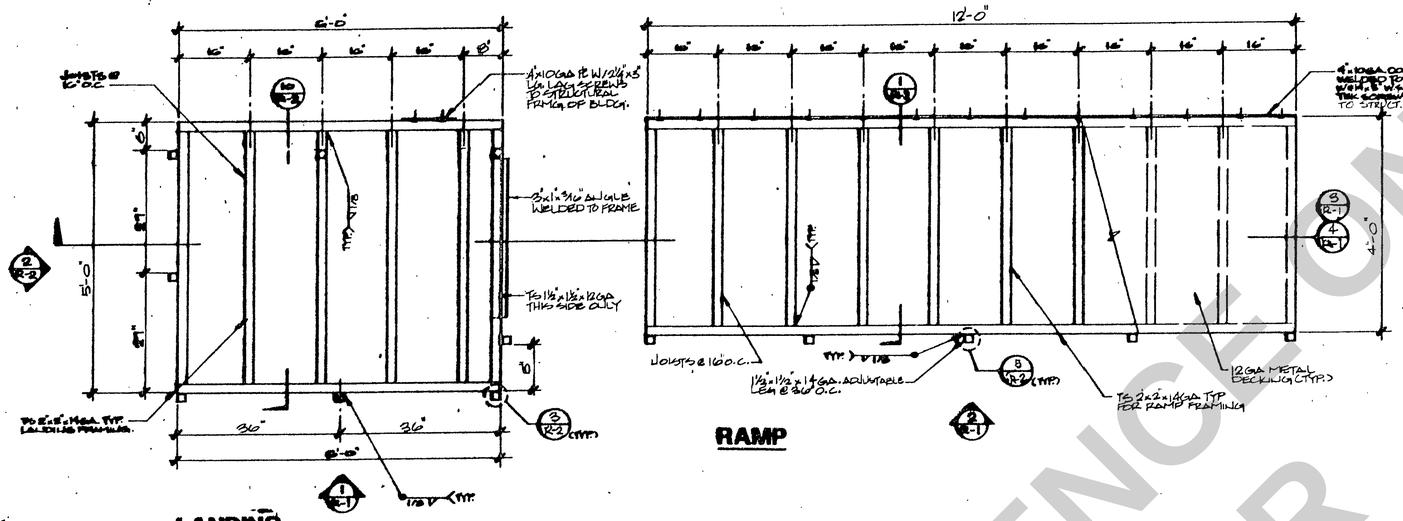
P.C.-105

BINDING ORDER 14
11-17-89
M-1
SO2440B

Addendum No. 2

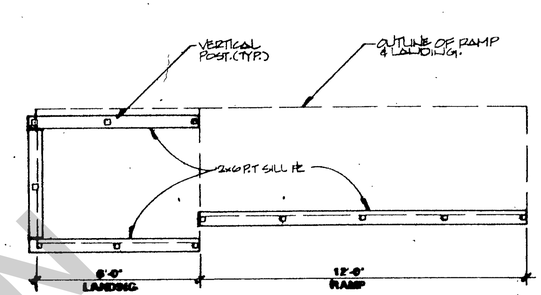
NOTES

1. RAMPS: RAMPS SHALL NOT SLOPE MORE THAN 1" IN 12".
2. HANDRAILS: HANDRAILS AT BOTH SIDES OF RAMP @ 32".
3. LANDING AND RAMP TO HAVE NON SLIP SURFACE AMCOE GRIP II AS MANUFACTURED BY AMERICAN CHEMICAL COMPANY (OR EQUAL)
4. PROVIDE GROUNDING OF RAMP TO BLDG FRAME W/#8 CU. TO BOTH GROUND LUGS.



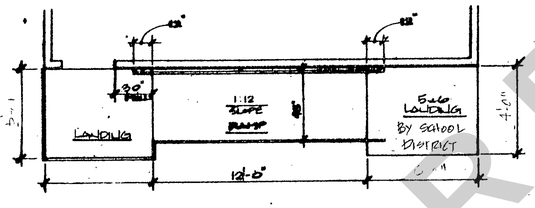
STD. RAMP AND LANDING PLAN

SCALE: 3/4" = 1'



SILL PLAN FOR RAMP AND LANDING

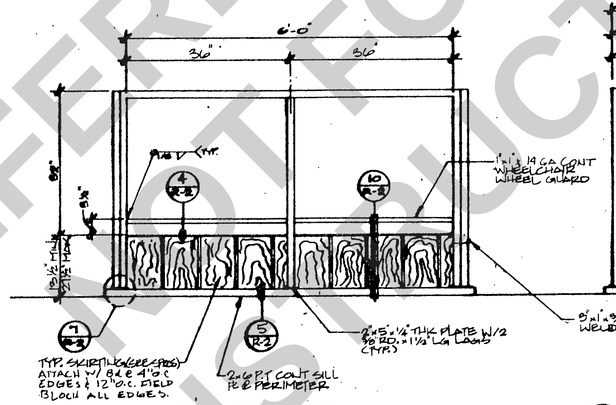
SCALE: 3/8" = 1'



RAMP PLAN @ BLDG.

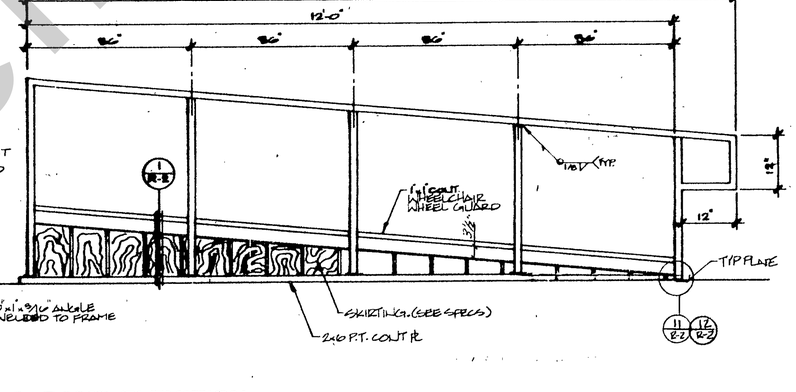
SCALE: 1/4" = 1'

UNIT "A" AS SHOWN
UNIT "B" OPPOSITE HAND



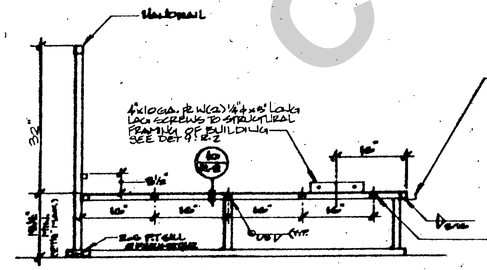
1 LANDING ELEVATION

SCALE: 3/4" = 1'



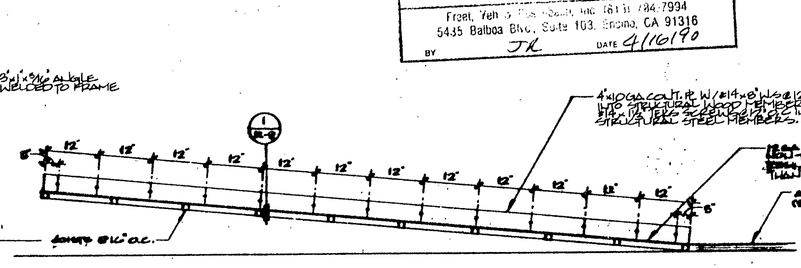
2 RAMP ELEVATION

SCALE: 3/4" = 1'



3 LANDING SECTION

SCALE: 3/4" = 1'



4 RAMP SECTION

SCALE: 3/4" = 1'

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

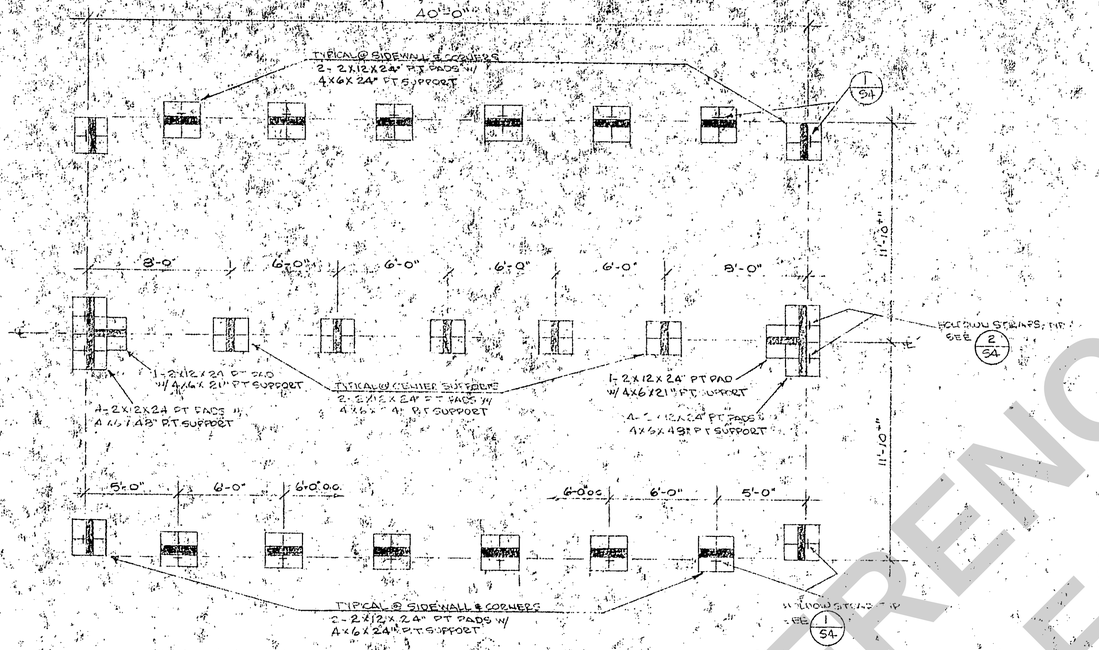
RECEIVED
JAN 19 1990
Office of General Services
TITLE 24 & 1988 UBC
Structural Safety Section
A.C.G.
FIRE MARSHAL
JAN 19 1990
STATE FIRE MARSHAL SOUTHERN REGION
HESSE & DU PERTUIS ARCHITECTS PLANNERS
JAN 19 1990
Structural Safety Section
Jul. Re-checked By 45374 0
IDENTIFICATION STAMP Department of General Services Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 1544
Backchecked By MMC Inc #2
10-1-90
Frost, Yeh & Associates, Inc. (619) 794-7994
5435 Balboa Blvd., Suite 103, Encino, CA 91316
BY JK DATE 4/16/90
IDENTIFICATION STAMP Department of General Services Office of the State Architect
OCT - 0 1990
Office of the Structural Safety
APPLICABLE TO THE STATE ARCHITECT ACCESS COMPLIANCE SECTION
3/40 MAR 30 '90
5441 2 OCT 01 '90
APPLICATION FILE NO. Just Barrier

MODTECH, INC.
195 EAST MORGAN STREET
PERRIS, CA. 92370 (714) 943-4014

P.C.-185

O.L.A.

BINDING ORDER 15
11-17-89
R-1

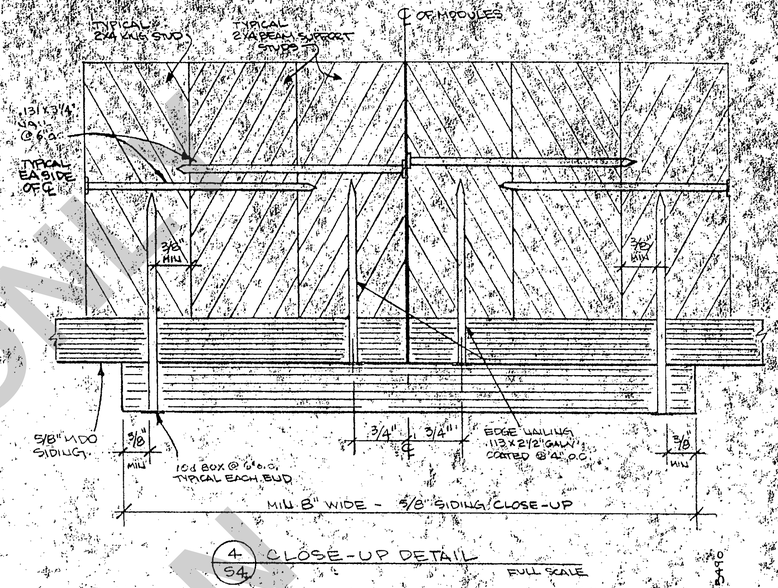


TYPICAL 2x12 PRESSURE TREATED (PT) PAD - #2 DF

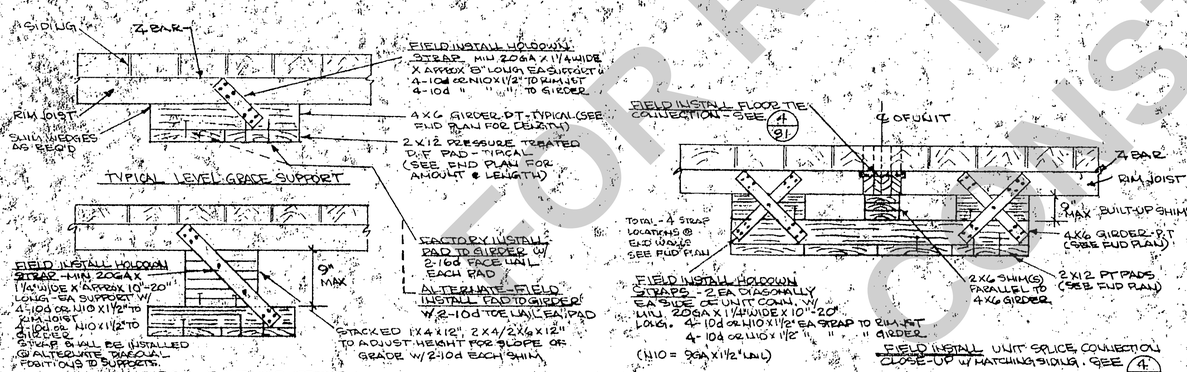
TYPICAL 4x6 PRESSURE TREATED #2 DF FOUNDATION SUPPORT GIRDER

SOIL - U.B.C TABLE 29B.(5)
ASSUMED ALLOWABLE SOIL PRESSURE = 1000 PSF

FOUNDATION PLAN

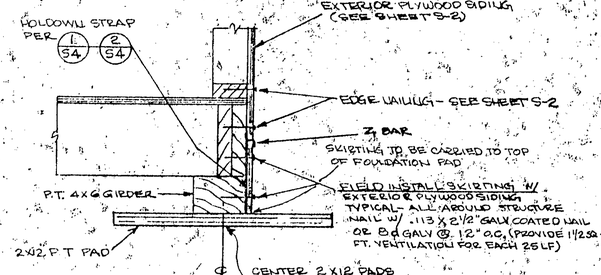


4/54 CLOSE-UP DETAIL — FULL SCALE



1/54 TYPICAL PAD & GIRDER FOUNDATION 1"=1'-0"

2/54 TYPICAL FOUNDATION @ BEAM SUPPORT - END WALL 1"=1'-0"



3/54 TYPICAL SKIRTING DETAIL 1"=1'-0"

DESIGN:
ROOF LL - 20 PSF
FLOOR LOAD - 50 PSF
WIND LOAD - 115 PSF
SEISMIC ZONE - 4

CERTIFICATION / APPROVAL

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
- 5 1990
Structural Safety Section
Appl. # 5 A 4 1
Checked By

STATE OF CALIFORNIA
Department of General Services
AUG 20 1982
Office of the State Architect
Structural Safety Section - Sacramento

STATE OF COLORADO
Department of Labor
OCT 9 1981
Office of the State Structural Safety

REVISIONS	BY

PACIFIC CONSULTING ENGINEERS
455 El Camino Real, Suite #2, Santa Clara, Calif. 95050 (408) 727-7711
Sacramento, Calif. 95825 (916) 482-3811

STATE PORTABLE CLASSROOM PROJECT
LOCATION: VARIOUS SITES
SCOPE: 2 CLASSROOM
QUOTE NO. 1
ARCHITECT: BOSSE

Gary Doupnik Mfg. Inc.
345 SWEITZER RD.
P.O. BOX 527
LODI, CA. 95240

FOUNDATION PLANS & DETAILS

DRAWN: AK
CHECKED: MS
DATE: MAY 1982
SCALE: NOTED
JOB NO.: 4570 118.02
SHEET: S-4
OF SHEETS

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

CRYSTALENE® Prepared Tracing Paper 10 9155

MCSD BID# 2024-5 04/02/2025
ADDENDUM NO. 2

NOTES:
FRAMING LUMBER
HANDRAILS ON EDGE — 2X4 STD GR HEM-FIR OR STD BTR DOUG-FIR
HANDRAILS - FLAT — 2X4 STD BTR HEM-FIR
WHEEL STOPS — 2 - 2X4 STD STR HEM-FIR
JOISTS @ 24" O.C. — 2X6 #2 DOUG-FIR
RAIL MEMBERS — 2X6 #2 DOUG-FIR
POSTS & SUPPORTS — 4X4 CONST GR DOUG-FIR
FOUNDATION PADS — 2X12 PRESSURE (PT) TREATED DOUG-FIR

1/8" O.C. CUTS IN PLYWOOD SHEATHING TO SURFACE FASTENED W/ #8 X 2 1/2" FHWS EDGES: 6" O.C. FIELD: 6" O.C.

SEE (3/S6) FOR HANDRAIL TO BLDG AND FLOOR TO SLOPE CONNECTION

2X4 JOIST @ 24" O.C. TYP

2X4 RAIL MBRS TYP

4X4 SUPPORT

DIRECTION OF FACE GRAIN

2X12 PT PAD

4X4 POST TO RAIL HT

2X6 LINER

4X4 POST RAIL HEIGHT

FRAMING ANCHOR

FRAMING ANCHOR - TYP

2X4 POST - RAIL HEIGHT

SEAM WELD ANCHOR - TYP 8 CORNERS - 3" LONG A 3/4" OC EQ FULLY WELDED 1/8" X 1 1/4"

2X4 HANDRAIL - FLAT

2X4 HANDRAIL ON EDGE, PER (4/S5)

TOP VIEW

3" 3" 3"

16" O.C. EITHER DIR. PLYWOOD W/ NONSKID SURFACE, FASTENED W/ #8 X 2 1/2" F.H.W.S. EDGES 6"o/c FIELD 6"o/c
SEE 3/55 FOR HANDRAIL TO BLDG AND FLOOR TO BLDG CONNECTION
2X12 PT PAD
DIRECTION OF GRAIN
2X6 RAIL MBRS-TYP
4X4 SUPPORT
4X4 POST FOR HANDRAIL
2X6 RAIL MBRS
4X4 POST - RAIL HEIGHT
FRAMING ANCHOR
2X4 HANDRAIL - FLAT
2X4 HANDRAIL ON EDGE - TYP
SEE A/55
SECTION @ RAMP
SECTION @ STOP
4X4 POST - RAIL HEIGHT
2X4 HANDRAIL ON EDGE
SEE A/55
SEE C/55
SEE D/55
SEE E/55
2X4 HANDRAIL ON EDGE
2X4 HANDRAIL ON EDGE
2X4 HANDRAIL ON EDGE

C-1, 2#12 W/GND
C-2, 2#12 W/GND
C-3, 3#12 W/GND, C-2 & C-3
C-4, 2#6 THW w/#10 GND
C-5, 2#6 THW w/#10 GND
WALL CLOCK PER SPEC.
RECESSED 2'X4' FIXTURE
12'-0" MIN FROM FLOOR
HEAT PUMP FUEL LINES (SEE SPECS)
THERMOSTAT (SEE SPECS)
DUCT
HP
C-A
C-B
C-C
C-D
C-E
C-F
C-G
C-H
C-I
C-J
C-K
C-L
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C-38
C-39
C-40

GENERAL

a. All work to be in accordance with requirements of Title 24, and Title 24, California Administrative Code. A copy of Part 2 Title 24, Part 2 shall be kept on the jobsite at all times.

b. Plans and Specifications: Changes in plans and specifications shall be made by addenda or Change Orders signed by the architect and approved by the Office of the State Architect. Change Orders shall also be signed by the Owner prior to approval by OSA.

c. Testing: Tests of materials shall be by a person or testing laboratory selected by the Owner with the approval of the architect. The owner shall be responsible for the cost of the testing, except for retesting required by the failure of any material to pass.

d. Erection at the Site: The building shall be transported, erected and foundation blocked as required by a licensed transporter. All required finish work will be completed by skilled labor of the Manufacturer/Contractor, but will not include utilities service connection.

e. Site Work: The Owner, unless shown otherwise on the approved plans, will provide site(s) satisfactory to the Architect or Engineer for the installation of the relocatable building(s) that are level and have stable soil conditions to 1000 PSF with adequate site drainage, except if designated in the contract documents as the responsibility of the Manufacturer/Contractor. If additional grading and/or leveling is necessary for proper installation of modular units, the additional charge will be the responsibility of the Owner.

f. Utilities: The Owner will be responsible for any and all utility and connections of the Fire Alarm and any special electrical Signal Systems.

GARY DOUPNIK MANUFACTURING, INC.

3415 SWETZER ROAD · LOOMIS, CA 95650 · (916) 988-2346 /652-5875

SHT No.	INDEX
	SITE PLAN
A-1	TITLE SHEET
A-2	FLOOR PLAN, EXTERIOR ELEVATIONS AND GENERAL SPECIFICATIONS
A-3	ELECTRICAL AND REFLECTED CEILING PLANS
S-1	FOUNDATION PLAN AND DETAILS
S-2	FLOOR AND ROOF FRAMING PLAN
S-3	WALL FRAMING AND DETAILS
S-4	PORTABLE RAMP AND LANDING

ATTACHED AND MADE A PART OF THESE DRAWINGS:

SCHOOL	SHT	DRAWINGS
LODI H.S.	3	SHEETS 1, E-1, E-2
TOKAY H.S.	3	SHEETS 1, 2, 3, 4, 5
CLARMONT E.S.	2	SHEETS 1, E-1, E-2
ELKHORN E.S.	1	SHEETS 1, E-1, E-2
LAKEWOOD E.S.	1	SHEETS 1, E-1, E-2
LAWERENCE E.S.	4	SHEETS 1, E-1, E-2
NICHOLS E.S.	2	SHEETS 1, E-1, E-2
OAKWOOD E.S.	1	SHEETS 1, E-1, E-2
PARKLANE E.S.	1	SHEETS 1, E-1, E-2
REESE E.S.	1	SHEETS 1, E-1
HOUSTON E.S.	2	SHEETS 1, E-1

OFFICE OF STATE FIRE MARSHAL
APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: JW 10-1-90

STATE OF CALIFORNIA
Department of General Services
OCT - 9 1990
Office of the State Architect
Structural Safety Section

Identification 37
Department of General Services
Office of the State Architect
OCT 5 1990
Structural Safety Section
Application No. 5 4 1 2 5 5
Checked By: Mike Hoke

APPROVED
FIRE AND PANIC ONLY
DEC 6 1990
STATE FIRE MARSHAL
SACRAMENTO REGION

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
46992
DEC 6 '90
Per: M.P. Campbell

" Divisions 4, 5, 6, and 9 of the California Energy Conservation Standard for nonresidential buildings have been reviewed and the Building Design described on these sheets is in substantial conformance."

David A. Dahmer — R.E.C. 51412 — 11-22-89
Signature — License No. — Date

Building Design Loads
Roof Load 20 PSF
Floor Load 60 PSF
Wind Load 15 PSF
Seismic Zone 4

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION

FOR REFERENCE ONLY
NOT TO BE USED FOR CONSTRUCTION

REVISIONS | BY

PACIFIC CONSULTING SERVICES
1400 J Street, Suite 210, Modesto, CA 95354 Phone: 209-542-1918

DSA APPROVED
OCT 5 1990
Structural Safety

Portable Classroom
School Site Plan
Various Locations

GARY DOUPNIK MANUFACTURING, INC.
3415 SWETZER ROAD · LOOMIS, CA 95650 (916) 988-2346

TITLE SHEET

DRAWN: Paul Mann
CHECKED:
DATE:
SCALE: NONE
JOB NO: 6558
SHEET: A-1
OF SHEETS

MATERIALS AND WORKMANSHIP: All materials that will be used and furnished will be new, and the type and grades specified as required. All workmen will be skilled in the area of work they will perform. See Notes on structural sheet for structural materials.

GENERAL SPECIFICATIONS

Foundation: See Plans, Sheet No. S-1

Sub-Floor Structural Members: See Plans, Sheet No. S-2

Framing Members: See Structural Sheets of Plans

Moisture Barrier: See Plans, Sheet No. S-3

Fire Extinguisher: UL2A-10BC, pressure type, max. 48" to extinguisher bracket. Kidde or equal

Insulation: R-19 in ceiling, R-11 in walls, and R-11 in floor. Johns-Manville or Owens-Corning Co. Shall comply with California Quality Standards for Insulating Material.

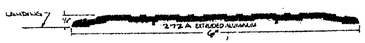
Carpet: Direct glue down Type per State of California Specification 7220-XXX, Group 1, Type A, Class 24, Carpet Density 4600. Install four (4) inch rubber coving around the perimeter of the room(s).

Chalkboard: See Floor Plan for amounts of 8'x 4' sections chalkboard. Chalkboard laminated to 1/4" tempered hardboard, mounted on wall side by side or individually as shown 30" inches off the floor. Provided with aluminum chalk trough, full length map rail with six (6) map hooks and 1/2 staff size flag holder.

Windows: Two (2) clear anodized aluminum frames, 7/32" minimum glass of solar gray tempered glass, glare reducing type with a light transmission factor ranging between 12% - 16%. Header height same as door height. Type XOX - two horizontal sliders and one fixed pane. Screens included. Window shall not be mounted to the exterior plywood surface.

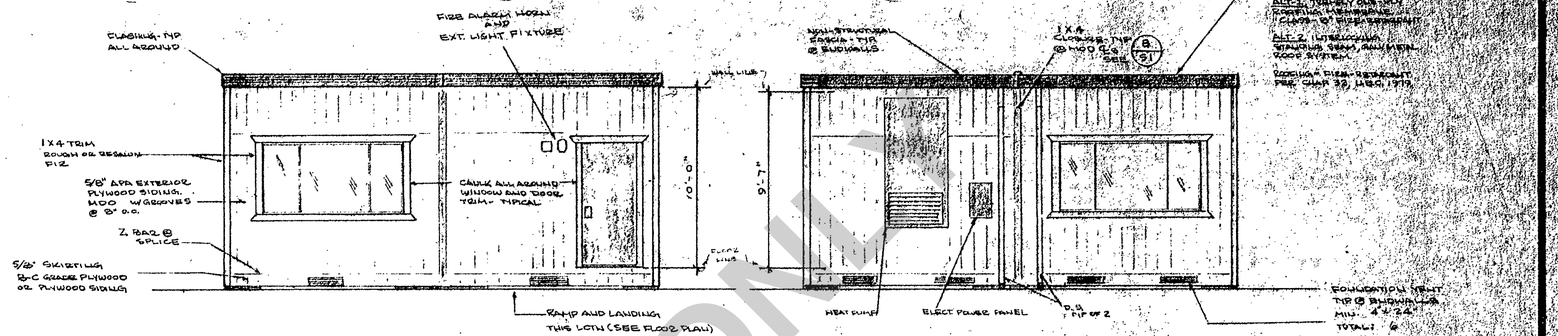
Exterior Door: Flush door, 1-3/4" thick by 3'-0" by 6'-8". 18 gauge steel face sheets with reinforcement on both faces for hardware and closers. 16 gauge steel frames with minimum three (3) anchors per jamb. Sound deaden material concealed inside steel face sheets.

Classroom Lock:	Mortise Lever Lockset US 26 or US 26d finish Schlage K6070P, Yale 8708FL CRR w/ Schlage Cylinder or equal.	SCHLAGE D70PD "OLYMPIAD" ALTERNATE
Door Closer:	Norton 1600 Series or Reading "760" series or equal. Adjust closer to 8.5 lbs. Max. operating pressure.	
Weatherstripping:	Aluminum with vinyl bulb, Pemko 306AV or equal.	
Door Bottom:	Pemko 216AV.	
Threshold:	Pemko 271A or equal. See Detail Below	



Hardware: Latching and locking doors that are hand-activated and which are in a path of travel, shall be operable with a single-effort by lever hardware, panic bars, push-pull activating bars, or other hardware designed to provide passage without requiring the ability to grasp the opening hardware.

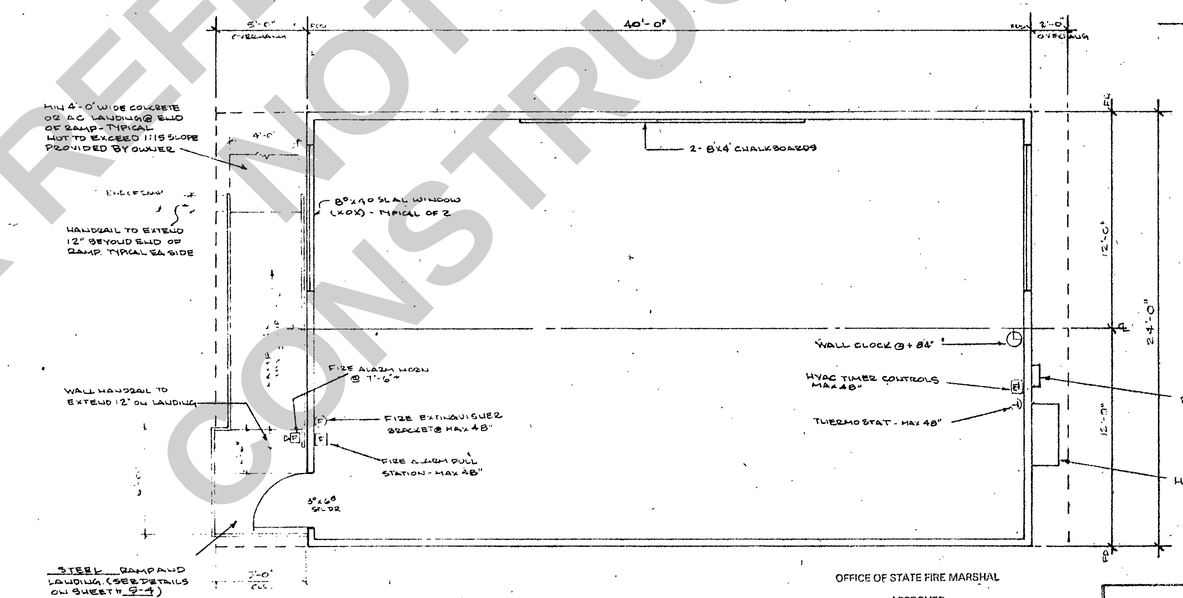
Title 24, California Administrative Code, Section 2-3303(c)(3)



EXTERIOR ELEVATIONS
SCALE: 1/4"=1'-0"

PROVIDE FOR UNDERFLOOR VENTILATION PER UBC 2516(c) OR 1/150 SQFT OF VENT FOR EACH 25'-0" OF EXTERIOR WALL (TYPICAL) VENTILATION AREA TO BE EQUALLY DIST. OR EQUIVALENT OF 1.5 SQFT

CLOSURE DETAIL WHEN UNITS ARE SET ADJACENT TO EACH OTHER



FLOOR PLAN
SCALE: 1/4"=1'-0"

Interior Finish (SEE FINISH SCHEDULE)

Ceiling: Suspended T-Grid System with Acoustic Panels, See Sht# A-3

Floor Covering: Carpet w/4" Cove Base

Walls: Vinyl Covered Tackboard over 1/2" Gypsum Board. Applied per Mfg instructions, Flame Spread Index 26-75. DOMTAR GYPSUM AMERICA INC.

FINISH SCHEDULE		
INTERIOR	MFG & PROD NO	FINISH/COLOR
FLOOR CARPET	SHERWIN WILLIAMS - WALLTEXTURE IV 22 OZ. ZEFTRON W/LON	"BURNT SIENNA"
TOP SET BASE	FLOPPE - RUBBER #10 -	"BROWN"
VINYL COVERED TACKBOARD WALLS	DOMTAR GYP OF AMERICA - #2 - 58-55	
SUSPENDED T-GRID CEILING	DONN CORP - SEE REFLECTED CEILING PLAN -	"WHITE"
CHALKBOARD	NELSON ADAM - NACO SERIES 60 SMITH-EMERY - ACCALOY	- "GREEN"
EXTERIOR	MFG / PRODUCT	TYPE/COLOR
PLYWOOD SIDING	M.D.O. - SHERWIN WILLIAMS LATEX -	SAND
PLYWOOD SKIRTING	B-C GRADE OR M.D.O. -	" " - PADRE BROWN
SOFFIT	PRIMED HARDBOARD SIDING -	" " - SAND
CORNER TRIM	1 x 4 -	" " - SAND
OPENING TRIM	1 x 4 -	" " - SAND
FLOOR FASCIA	2 x 8 EXT SIDING -	" " - PADRE BROWN
STEEL DOORS	18GA PAINTED REQ -	" " SAMUEL - PADRE BROWN
STEEL DOOR FRAME	16GA PAINTED REQ -	" " " - PADRE BROWN
WINDOW FRAMES	BLOMBERG CO. - CLEAR ANODIZED ALUMINUM	
PAINTED FLASHING/GUTTERS	GALV. - SHERWIN WILLIAM SAMUEL -	SAND
RAMP AND LANDING	G. DOUPLIK MFG. -	" " " - PADRE BROWN

The Manufacturer shall place a permanent metal identification label on each module aesthetically fastened to the outside on the module. Label shall show OSA application No., Manufacturer, Serial Number, and plant inspector's identification mark.

OFFICE OF STATE FIRE MARSHAL

APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: 10-1-90

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54A 2A-78
Backchecked By ZUMC Inc #2

APPROVED
FIRE AND PANIC ONLY
DEC 6 1985
STATE FIRE MARSHAL
SACRAMENTO REGION

CERTIFICATION/APPROVAL - DSA

OFFICE OF THE STATE ARCHITECT
ACCESS COMPLIANCE SECTION Per

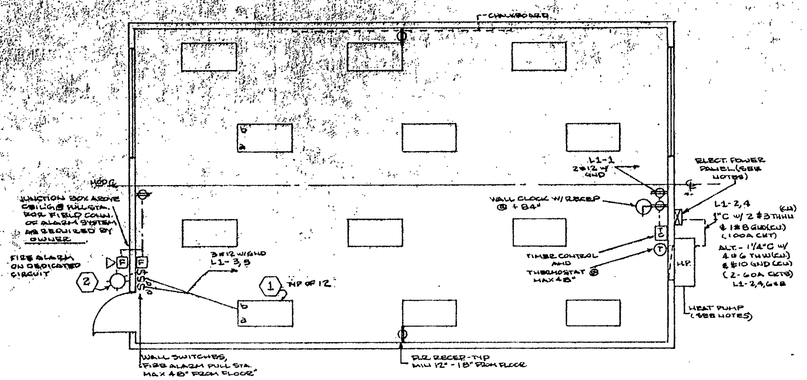
OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
46992 DEC 6 '85
Per H.P. Campbell

STATE OF CALIFORNIA
Department of General Services
OCT - 9 1990
Office of the State Architect
Structural Safety Section

GARY DOUPNIK MANUFACTURING INC
24615 SW 125th ROAD - HOMEWOOD, IL 60430 (815) 838-2346

DRAWN: AA
CHECKED:
DATE: 11-89
SCALE: NOTED
JOB NO:
SHEET (S-No): A-2
OF SHEETS

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

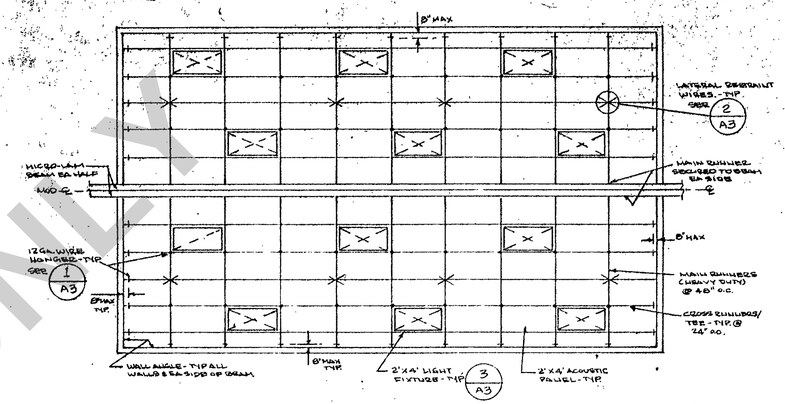


ELECTRICAL PLAN 3/16"=1'-0"

Note: Install flexible conduit connectors to electrical panel to allow minimum of 12" movement in any horizontal direction.

" Grounding of Electrical System provided in accordance with Section 250-81; 250-82, NEC 1981 by OWNER ".

Service shall be 3# 1/0 THW Cu. with 1# 6 Cu. Ground.



CEILING HT: 9'-0"

REFLECTED CEILING PLAN 3/16"=1'-0"

Steel Exposed Ceiling Grid System
DONN CORP., Flangeklamp Series RL
per ASTM C-635; ICBO Report No. 1994
Title 24, Part 2, C.A.C. Main Beam: RLM 6-12 (heavy duty). Cross Runner/Tee: RLC 6-4C. Angle Mold: RA 16-12.

Acoustic Panel: 24" X 48" X 5/8", Owens-Corning "Shasta" UL-R3279, FLAME SPREAD INDEX 25-80.

LIGHT FIXTURE SCHEDULE			
SYM	MANUFACTURER/CAT. No.	LAMPS	MTD
1	INTEGRAL FLUORESCENT WRAP-AWAY SAVING BALLAST AND TUBES LITHONIA 2GT4-40A12 OGEB	4-38W	LAY-IN T-GRID
2	EXTERIOR, WEATHERTIGHT, VAPOR-PROOF FIXTURE KENNAL #3663 OZBG	60W	SURFACE

SCHEDULE PANEL: L1	TYPE: K(-)ML NEMA-3R
Mounting: SURFACE	AMPS: 125 Volts: 120/240 Phase: 1 Ø Wire: 3W

CKT no	POLE no	Serving	KVA LOAD	BKR	Ø	Ø	BKR	KVA LOAD	Serving	POLE no	CKT no
	1	RECEPS	840	20			100	8 TYP	HEAT PUMP	2	
	3	LIGHTS (a)	966	20			100	8 TYP	" "	4	
	5	LIGHTS (b)	1026	20						6	
	7									8	
	9									10	
	11									12	

Total Connected Load: 20376 VA ÷ 230V = 88.6 AMPS

SYMBOLS	
	Duplex Recep. 125V, 20A Min. 12" From Floor
S	Toggle Switch- MAX 48" From Floor
	Home Run to Respective Panel or Terminal
T	Thermostat for HVAC Unit MAX 48" From Floor
TC	Timer Control-HVAC Unit MAX 48" From Floor
	Back-Box for Field-Install Equip. AS NOTED ON PLAN
J	Junction Box AS NOTED ON PLAN
	Audible Fire Alarm Warning AS NOTED ON PLAN
	Visual Warning Alarm AS NOTED ON PLAN
F	Fire Alarm Pull Station AS NOTED ON PLAN

ELECTRICAL SPECIFICATIONS

Wall Clock: 12" Dia., 84+" from Floor with clock receptacle (EAGLE CLOCK OUTLET) 115VAC Synchronous, LATHEM TIME, INC. or equal.

Electrical Distribution Power Panel: 120/240V, 1Ø, NEMA-3R, Exterior Weathertight. SEE SCHEDULE PANEL FOR RATING.
125A Rating: CHALLENGER SL12 (-) RN Main Lugs or equal.
100A Rating: SQUARE "D", QO (-) RB w/Main Lugs or equal.

HEATING, VENTILATION AND AIR CONDITIONING

Heat Pump: BARD 48WH Hi-Boy Heat Pump with 10 KW Heat Strip. Single Phase, 60hz, 230/208V. Cooling Capacity- 48500 BTU's. Hi-Temp Heating- 49000 BTU's @ 47 F. Lo-Temp Heating- 28200 BTU's @ 17 F. not including Heat Strip of 34130 BTU's.

Overcurrent Protection: Single Phase, 120/240 Volts

Square "D" Co., or equal--two pole circuit breaker, Type HACR -- one for each power circuit rating.
Circuit breaker(s) will have an appropriate UL Label listed, Type HACR placed on the side indicating approval for group-installation. Art 430-53(c) NEC.

WALL MOUNT HEAT PUMP: Bard Hi-Boy. Wiring and Mounting Installation of unit per Manufacturer's instructions.
FOR MOUNTING DETAIL -- SEE Sheet E-3

CONTROLS

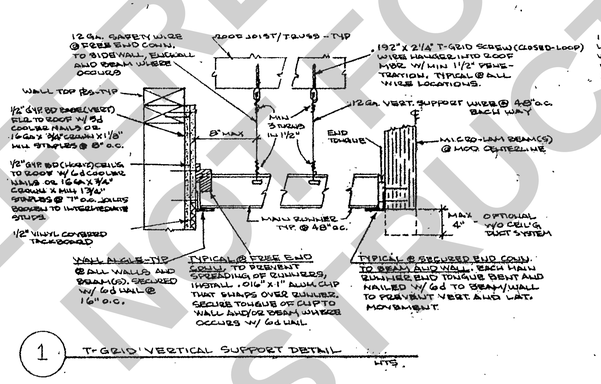
Thermostat: Honeywell T874W and Q674F Sub-base or equal with automatic changeover, tamperproof cover. MAX 48" from floor.

24 HR Skip-A-Day Timer: Paragon, Series 4005-005 or equal. 110V or 24V system. MAX 48" from floor.

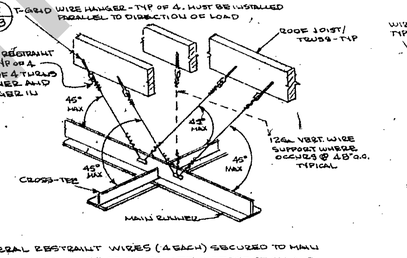
Internal Timer: M.H. Rhodes - Mark Timer 90-007 or equal. MAX 48" from floor.

Receptacles: 2 pole, 3 wire grounding, 20A-125V Duplex Heavy Duty Premium Spec Grade, Leviton-5362 or Hubbell equal.

Light Switches: 20A-120/277V, single pole, Heavy Duty Premium Spec Grade, Leviton-1221 or Hubbell equal.

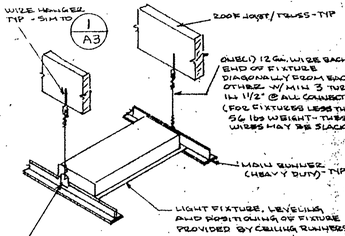


1 T-GRID VERTICAL SUPPORT DETAIL NTS



LATERAL RESTRAINT WIRES (4 EACH) SECURED TO MAIN RUNNER WITHIN 2" OF CROSS-TEE INTERSECTION AND SPLAYED @ 90° FROM EACH OTHER. RESTRAINT WIRES PLACED IN EACH MODULE. NOT TO EXCEED 12 FT. O.C. IN EITHER DIRECTION FROM EACH OTHER. THE FIRST POINT OF WIRES WITHIN 6 FT FROM EACH SURROUNDING WALL. (TITLE 24, CHP 2-4701, C 4.C)

2 T-GRID LATERAL SUPPORT DETAIL NTS



T BAR CLIP FASTENED TO LIGHT FIXTURE AND MAIN RUNNER EACH END OR PROVIDED FIXTURE TAB. INSTALL 12 GA. WIRE THROUGH FIXTURE CLIP OR FIXTURE TAB W/ MIN 3 TURNS IN 1 1/2". TYP. EA END

3 RECESSED LIGHT FIXTURE DETAIL NTS

FIRE ALARM SYSTEM

"The Fire Alarm System shall conform to Section 2-809, Part 2 of Title 24 and Article 3-760, Part 3 of Title 24, California Administrative Code."

Installation of the fire protective signaling system shall not be started until detailed plans and specifications, including State Fire Marshal listing number for each component of the system have been approved by the State Fire Marshal, OSA.

UPON COMPLETION OF THE INSTALLATION OF THE FIRE PROTECTIVE SIGNALING EQUIPMENT, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING FIRE AGENCY.

"All buildings that are within 20 feet of an existing school building, the Fire Alarm System shall be interconnected."

ALARMS - Sec. 2-7204, Part 2, Title 24

(a) If emergency warning systems are required, they shall activate a means of warning the hearing impaired. Flashing visual warning shall have a frequency of not more than 60 flashes per minute.
  (1) Locate in all Toilet Rooms and Rooms that a student, instructor, or employee may be alone. Shall include but not limited to Work Rooms, Dark Rooms, Isolated Private Offices, etc.
  (2) Do not locate in populated areas such as: Classrooms, Gyms, Locker Rooms, Dining Facilities, Corridors, Storage Rooms, Maintenance Type Rooms, etc.

Alarm Station: Interior Mount, non-break type glass. MAX 48" from floor. NOTIFIER - BMS 3004, SERIES 7150; 2121-3

Alarm Horn: Exterior Mount, continuous vibrating sound. WHEELOCK - 31 SR 6184, SERIES 7135-7851-S

Visual Alarm: (See Alarm Note (a)(1) and (2) where applicable) Interior Wall Mount, Flashing Lamp. H/A (DETERMINE IF BY HANDICAP COMPLIANCE SECT)

General Construction Requirements - USC (1979)
2517. (f) Fire and Draft Stops.
1. Fire Stops. Firestopping shall be provided by cut off all concealed draft openings (both vertical and horizontal) and shall form an effective barrier between stories and between a top story and roof space. It shall be used in specific locations, as follows:
A. In exterior or interior stud walls, at ceilings and floor levels.
B. In all stud walls and partitions, including furred spaces, so placed that the maximum dimension of any concealed space is not over 10 feet.
C. Between stair stringers at top and bottom, and between studs along and in line with run of stair adjoining stud walls and partitions.
D. Around top, bottom, sides and ends of sliding door pockets.
2. Materials. Except between chimneys and wood framing, loose noncombustible materials shall be placed in noncombustible supports, or a metal collar tightly fitted to the chimney and nailed to the wood framing may be used.
3. Openings. Any other locations not specifically mentioned above, such as holes for pipes, shafting, behind furring strips and similar places which could afford a passage for flame.
4. Thickness. Fire stops of wood shall be 1-inch nominal thickness. If the width of the opening is such that more than one piece of lumber is necessary, there shall be two thicknesses of 1-inch nominal material with joints broken or one thickness of 3/4-inch plywood with joints backed by 3/4-inch plywood.
5. Fire stops may also be of gypsum board, cement asbestos board, mineral wool or other approved noncombustible materials securely fastened in place.

OFFICE OF STATE FIRE MARSHAL

APPROVED

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: JW 10-1-90

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Department of General Services
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OCT - 5 1990
Structural Safety Section
Appl. # 54612
Rackchecked By

APPROVED
FIRE AND PANIC ONLY
DEC 6 1985
STATE FIRE MARSHAL
SACRAMENTO REGION

CERTIFICATION/APPROVAL - OSA

OFFICE OF THE STATE ARCHITECT
46992 DEC 6 '85
By H.R. Campbell Jr.
Structural Engineer

STATE OF CALIFORNIA
Department of General Services
OCT - 9 1990
Office of the State Structural Safety Section

REVISIONS | BY

PACIFIC CONSULTING ENGINEERS
4361 Redwood Hwy., Suite A-21, San Rafael, Calif. 94903
Sacramento, Calif. 95821 Phone 916-482-7170

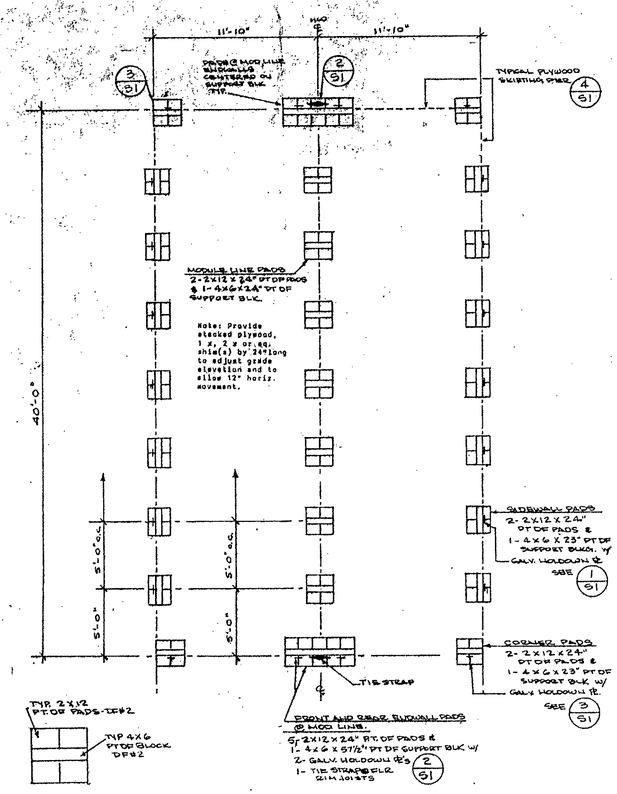
RESSE
3RD SUBMITTAL
DSA APPROVED

POSTPONE CLASSROOM
SCHOOL DISTRICT
VARIOUS LOCATIONS
SEE SITE PLAN

GARY DOUPNIK MANUFACTURING, INC.
3415 SWEETZER ROAD - LOOMIS, CA 95650 - (916) 652-7883
ELECTRICAL AND RECESSED CEILING PLAN
C658

DRAWN
CHECKED
DATE 11-86
SCALE NOTED
JOB NO
SHEET (5-85)
A-3
OF SHEETS

FOR REFERENCE ONLY NOT FOR CONSTRUCTION



SOIL: U.B.C. Table 29B (5)
ASSUMED ALLOWABLE SOIL PRESSURE: 1000 PSF

NOTE: All cut ends of pressure treated pads to be treated with Pentachlorophenol or Cuprinol.

FOUNDATION PLAN
3/16"=1'-0"

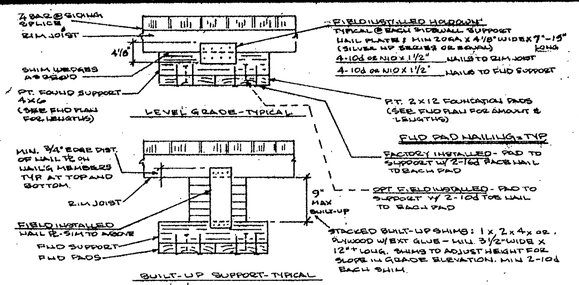
FOUNDATION DESIGN: Sliding Foundation on Soil or Paved Surface

References: OSA IR 23-5, Temporary Foundations.

Conditions:

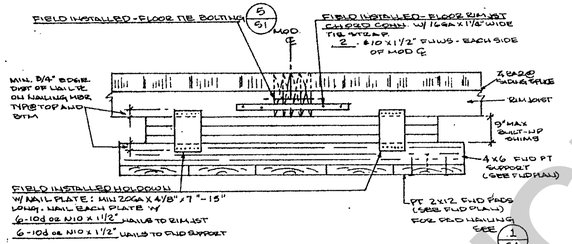
1. Stairs and ramps shall be properly anchored to building to prevent separation from each other.
2. Adjacent relocatable buildings must be separated by at least 12 inches.
3. All utility connections must allow for minimum of 12 inches of movement in horizontal direction. See Field Installed power connection to building panel note on "Electrical Plan" sheet of plans.

Provide for Underfloor Ventilation per UBC 2517(c) of 1-1/2 Square Feet of Ventilation for each 25 Linear Feet of Exterior Wall.
Total Ventilation equals to or exceeds minimum requirement of 7.5 Square Feet.

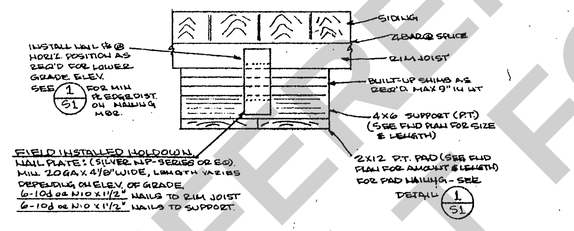


1 FOUNDATION PADS AND SUPPORT
TYPICAL @ SIDEWALLS 3/4"=1'-0"

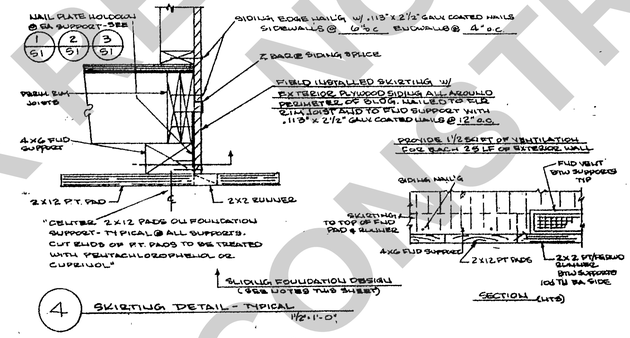
NOTE: NAILS USED ON FIELD SUPPORTS/PADS TO BE GALV. HOT DIPPED OR SIMILAR CORROSIVE COATED.



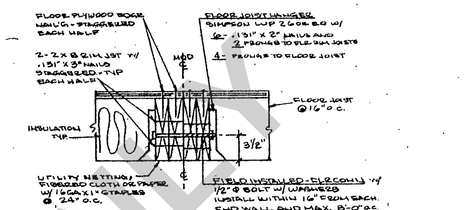
2 FOUNDATION PADS AND SUPPORT @ MOD. LINE BEAM SUPPORT 1"=1'-0"



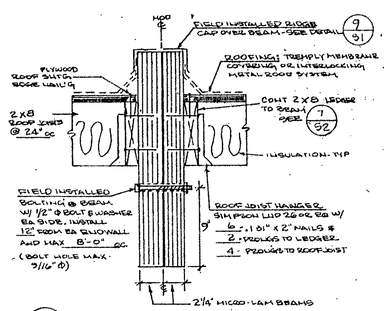
3 FOUNDATION - TYPICAL @ CORNERS 1"=1'-0"



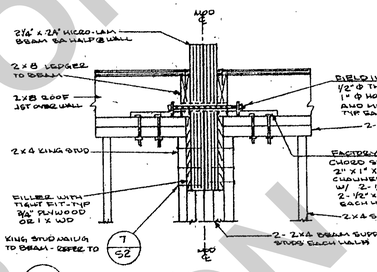
4 SKIRTING DETAIL - TYPICAL 1"=1'-0"



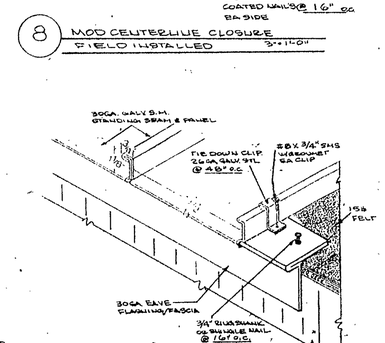
5 FLOOR @ MOD LINE 1"=1'-0"



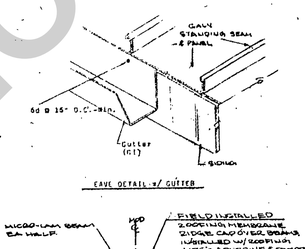
6 ROOF @ MOD LINE 1"=1'-0"

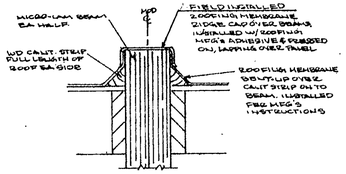


7 ROOF CHORD TIE - FIELD INSTALLED 1"=1'-0"



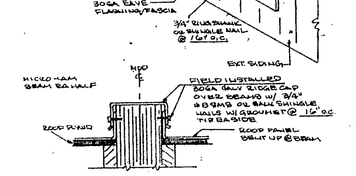
8 MOD CENTERLINE CLOSURE FIELD INSTALLED 3"=1'-0"





Roofing: Tremply One-Ply Roofing Membrane applied over minimum 1/2" plywood decking with all joints blocked.
"Class-B", Fire-Retardant per Chp 32, UBC."

ALT#1 MEMBRANE ROOF SYSTEM - " TREMPLY "



Roofing: Non-Structural 30 Gauge Galv. (G-90) Sheet Metal, Interlocking Standing Seam. Applied over 15# felt and min. 1/2" Plywood Decking with Ply Clips at unblocked edges. "Fire-Retardant per Chap 32, UBC"

ALT#2 METAL ROOF SYSTEM - " UNICOVER "

9 ROOF SYSTEMS 1/16"=1'-0"

DESIGN
ROOF LOAD - 20 PSF
FLOOR LOAD - 50 PSF
WIND LOAD - 15 PSF
SEISMIC ZONE - 4

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Structural Safety Section
Appl. # 54432
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CERTIFICATION/APPROVAL

46992 EXP 6-30

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Department of General Services
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4620 El Camino Ave. Suite A-2
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MESSER DU PERTUIS
ARCHITECTS

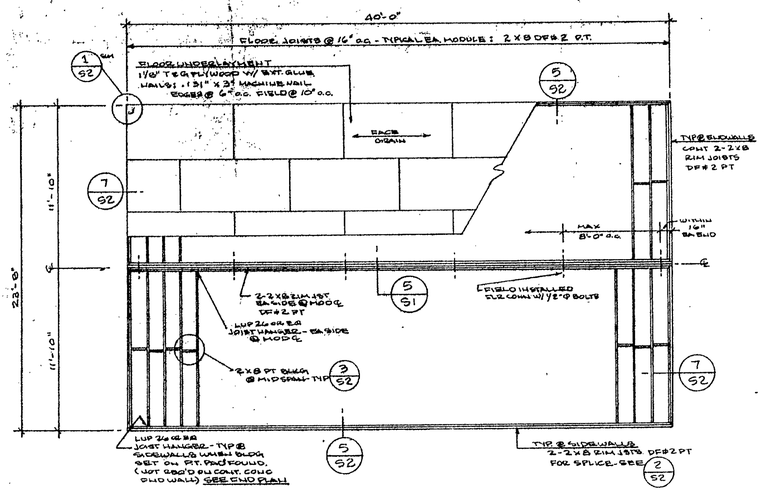
PROTOTYPE CLASSROOM
VARIOUS LOCATIONS
SCHOOL DISTRICT
SEE SITE PLAN

GARY DOUPNIK MANUFACTURING, INC.
3415 SWETZER ROAD LOOMIS, CA 95650 (916) 652-2346

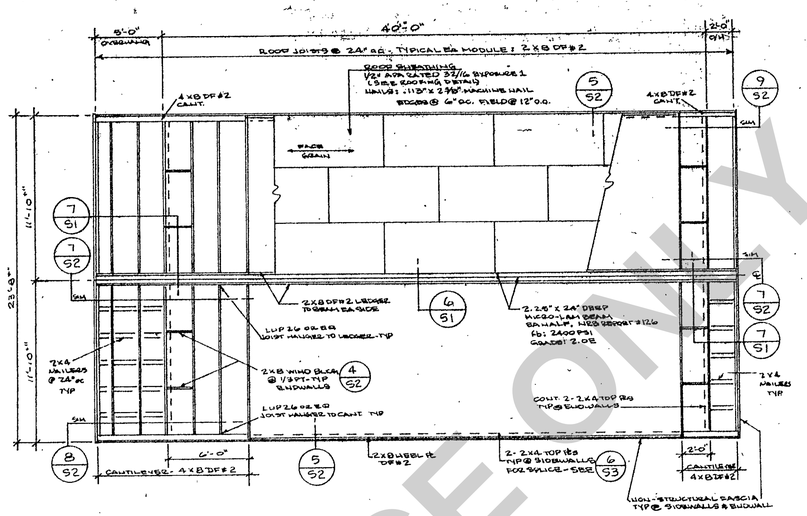
FOUNDATION PLAN AND FIELD CONST. DETAILS

DRAWN	AC
CHECKED	
DATE	11-26
SCALE	NOTED
JOB NO	
SHEET (10-84)	S-1
OF	SHEETS

MCSD BID# 2024-5 04/02/2025
Addendum No. 2

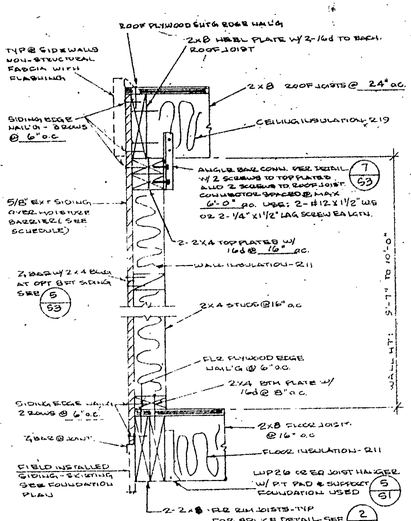


FLOOR FRAMING PLAN
SCALE: 3/16"=1'-0"



ROOF FRAMING PLAN
SCALE: 3/16"=1'-0"

FOR ROOFING MAT'L SEE



5 SECTION @ SIDEWALL - TYPICAL
1 1/2"=1'-0"

1 DBL RIM JOIST DETAIL
3/4"=1'-0"

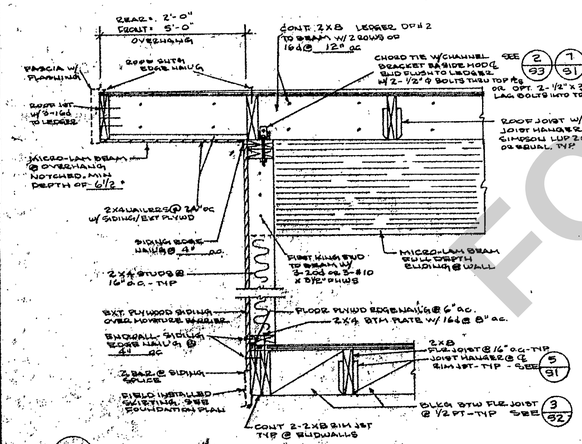
2 RIM JOIST SPLICE DETAIL
LITS

3 FLOOR BRIDGING DETAIL
LITS

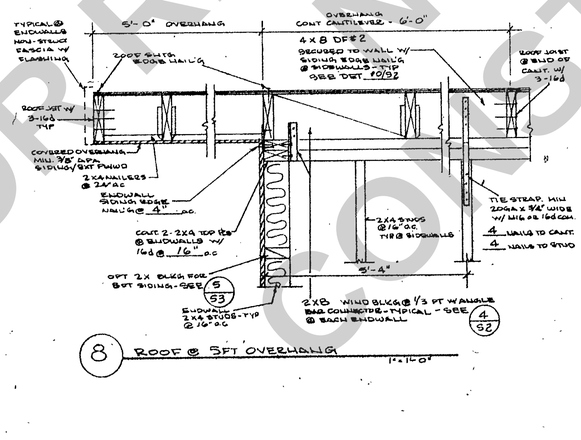
4 ROOF DETAIL
1 1/2"=1'-0"

ALL FRAMING MEMBERS, FEATURES AND NAILING, SIMILAR TO WALL EXCEPT AS NOTED BELOW

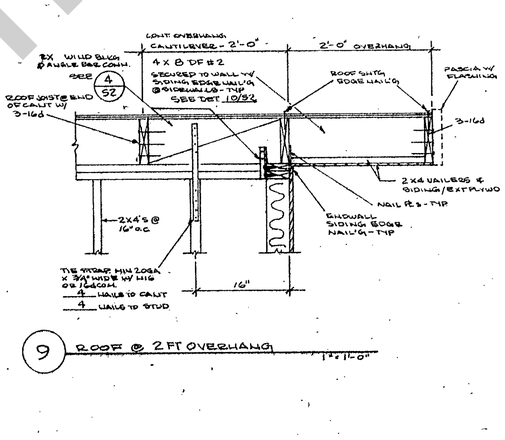
6 WALL @ ROOF WITH OPTIONAL 9 FT OR 10 FT LENGTH SIDING
1 1/2"=1'-0"



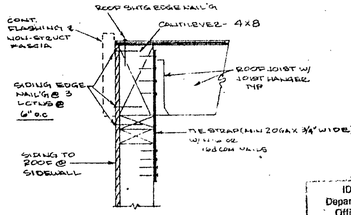
7 SECTION @ ENDWALL - TYPICAL
1"=1'-0"



8 ROOF @ 5FT OVERHANG
1"=1'-0"



9 ROOF @ 2FT OVERHANG
1"=1'-0"



10 ROOF CANTILEVER - TYPICAL
1 1/2"=1'-0"

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Appl. # 54-12
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DESIGN
ROOF LOAD - 20 PSF
FLOOR LOAD - 50 PSF
WIND LOAD - 15 PSF
SEISMIC ZONE - 4

CERTIFICATION / APPROVAL - OSA

46992

STATE OF CALIFORNIA
Department of General Services
OCT - 9 1990
Office of the State Architect
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4470 I Street, Ste. A2
Sacramento, Calif. 95822 Phone: 916-452-7379

ISSUED
DU PERTUIS
JAMES A. DU PERTUIS
No. C 46992
REGISTERED PROFESSIONAL ENGINEER
STRUCTURAL
STATE OF CALIFORNIA

PROTOTYPE CLASSROOM
STORER DISTRICT
VAN DUS LOCATION
TITLE
SEE SITE PLAN

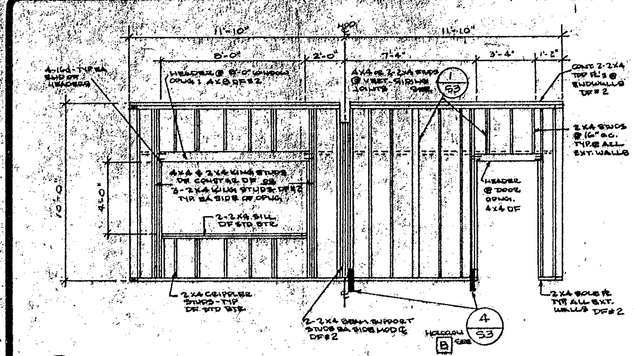
GARY DOUPNIK MANUFACTURING, INC.
3415 SWETZER ROAD, LOOMIS, CA 95650 (916) 652-7883

FLOOR AND ROOF FRAMING PLAN

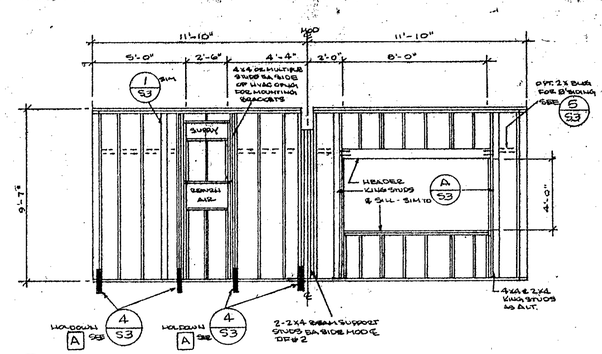
Project No. C0533

DRAWN	AK
CHECKED	
DATE	11-89
SCALE	NOTED
JOB NO	
SHEET (10-85)	S-2
OF	SHEETS

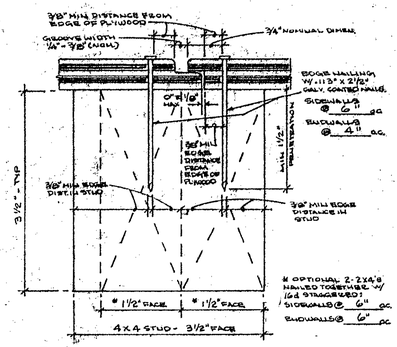
MCSD Shpt 2024-01 (04/02/2024)
Addendum No. 2



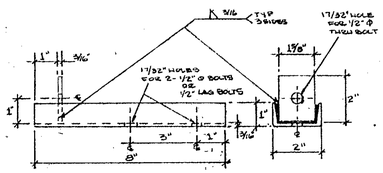
A ENDWALL FRAMING DETAIL (FRONT) 1/4"=1'-0"



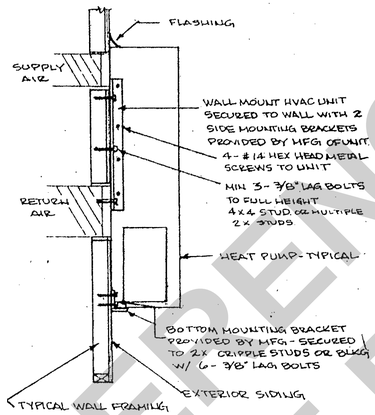
B ENDWALL FRAMING DETAIL (REAR) 1/4"=1'-0"



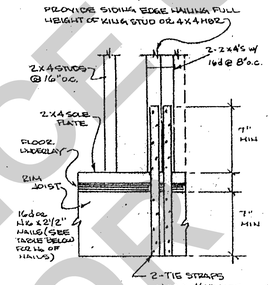
1 VERTICAL WALL JOINT W/ PLYWOOD SHIPLAP JOINT 3/4"=1"



2 2" x 1" x 3/16" x 8' LIGHT DUTY CHANNEL BRACKET @ ROOF CHORD MOD CENTERLINE (NTS)

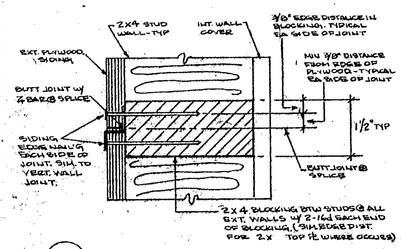


3 MOUNTING HVAC ON WOOD FRAMING WALL - TYPICAL NTS



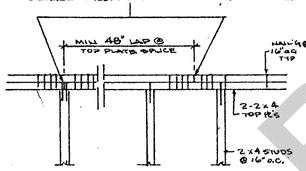
2-TIE STRAP SCHEDULE		
STRAP LTR/ALT	No. OF 16d EACH STRAP TO STUD	No. OF 16d EACH STRAP TO RIM JOIST
A	8-16d	5-16d
B	7-16d	7-16d
ALT.	1-TIE STRAP 16GA x 2 5/8" WIDE	
STRAP LTR/ALT	No. OF 16d TO STUDS	No. OF 16d TO RIM JOIST
A	10-16d	10-16d
B	14-16d	14-16d

4 HOLDOWN DETAIL 1 1/2"=1'-0"

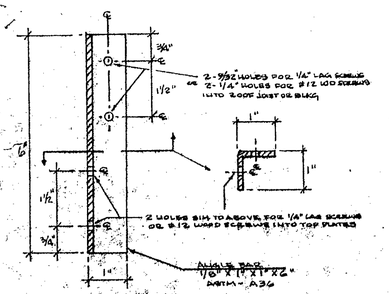


5 HORIZONTAL WALL JOINT W/ PLYWOOD SIDING 6"=1'-0"

5 - 16d COMMON OR
7 - .131" X 3" NAILS EACH SIDE OF SPLICE, STAGGER NAILS TO PREVENT SPLITTING OF TOP PLATES



6 TOP PLATE SPLICE @ SIDEWALLS 3/4"=1'-0"



7 ROOF CONNECTOR - TYPICAL 6"=1'-0"

SCHEDULE

NAILING SCHEDULE — 16d Typical (common)

Top and Bottom Plate to Stud	2 end nails
Double Top Plate @ Endwalls	See Detail 8/S2
Double Top Plate @ Sidewalls	See Detail 3/S2
Top Plate Splice @ Sidewalls	See Detail 6/S3
Top Plate Lap Joint @ Corners	4 face nails
Multiple Studs	1 face nail @ 16" o.c.
Header to King Stud	4 end nails each end
Endwall to Sidewall	1 face nail @ 8" o.c.

For framing listed in above schedule and on details of plans as 16d, the .131" X 3" machine driven nail Duo-Fast Co. or equal can be used in lieu of 16d nails per ICBO Report No. 2403. All other nailing as required are noted on plans.

5/8" Exterior Siding Nailing: (SEE EXTERIOR ELEVATIONS FOR TYPE OF SIDING)

See 1/S3

Endwalls: .113" x 2 1/2" GALV COATED NAIL
Edges- 4" o.c. Field- 12" o.c.
Sidewalls: .113" x 2 1/2" GALV COATED NAIL
Edges- 6" o.c. Field- 12" o.c.

FRAMING LUMBER--WCLB RULE-16

Studs - Sidewalls @ 16" o.c.	2 x 4 DF # 2
Studs - Endwalls @ 16" o.c.	2 x 4 DF # 2
Sole Plate	2 x 4 DF # 2
Top Plates	2-2 x 4 DF # 2
Floor Joists @ 16" o.c.	2 x 8 DF # 2 PRESSURE TREATED
Floor Rim Joists @ Sidewalls	2-2 x 8 DF # 2 PRESSURE TREATED
Floor Rim Joists @ Endwalls	2-2 x 8 DF # 2 PRESSURE TREATED
Roof Joists @ 24" o.c.	2 x 8 DF # 2
Roof Heel Plate	2 x 8 DF # 2
Roof Cantilever Member	4 x 8 DF # 2
Foundation Members	See Foundation Plan

Note: All Wall Framing Lumber shall be marked Surface Dry (S-Dry)

Micro-Lam Beam(s) 3.25 X 24" Grade 2.0E Fb 2400 PSI

Roof Fascia: Non-Structural

2X MBR with 2 rows of 16d @ 24" O.C.,
Alt. 5/8" Ext. Plywood Siding with 2 rows of .113" X 3" Nails @ 24" O.C.
Alt. 30 ga. Galv. Sheet Metal with 3/4" Rink Shank or equal nails @ 16" O.C.

FRAMING LUMBER: Grade stamped (WCLB) West Coast Lumber
PLYWOOD: Grade stamped (APA) American Plywood Association and PS-1-74
MICRO-LAM BEAMS: General Testing and Timber Products Inspecting Agency, AA-507 and CABO National Research Board Report Number 126. Beams shall be marked by inspection agency.
PRESSURE TREATED LUMBER: Shall be identified by quality mark of an approved agency in accordance with UBC Standard 25-12.

Moisture Barrier: All weather-exposed surfaces shall have a weather-resistive barrier applied over studs of all exterior walls. Barrier to be equal to U.B.C. Standard No. 17-1 for Kraft waterproof building paper or U.B.C. Standard No. 32-1 for asphalt-saturated rag felt. Felt or paper to be applied weather-board fashion, lapped not less than two(2) inches at horizontal joints and not less than six(6) inches at vertical joints.

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54412-33 Inc #2
Backchecked By EMC

DESIGN
ROOF LOAD - 20 PSF
FLOOR LOAD - 50 PSF
WIND LOAD - 15 PSF
SEISMIC ZONE - 4

CERTIFICATION/APPROVAL - DSA
APPLICATION NO. 46992 DATE 6-8-90
STATE OF CALIFORNIA Department of General Services
OCT - 9 1990
Office of the State Structural Safety Section

REVISIONS	BY

PACIFIC CONSULTING ENGINEERS
4125 El Camino Ave., Suite A-1, Sacramento, CA 95821 Phone 916-482-2226

EXPIRES 6-30-92

POSSIBLE CLASSROOM
SCHOOL DISTRICT
VARIOUS LOCATIONS
SEE SITE PLAN

GARY DOUPNIK MANUFACTURING, INC.
2415 SWEETZER ROAD, LOOMIS, CA 95650 (916) 652-7246

WALL FRAMING AND DETAILS

DRAWN	AC
CHECKED	
DATE	11-85
SCALE	NOTED
JOB NO.	
SHEET (10-85)	S-3
OF	SHEETS

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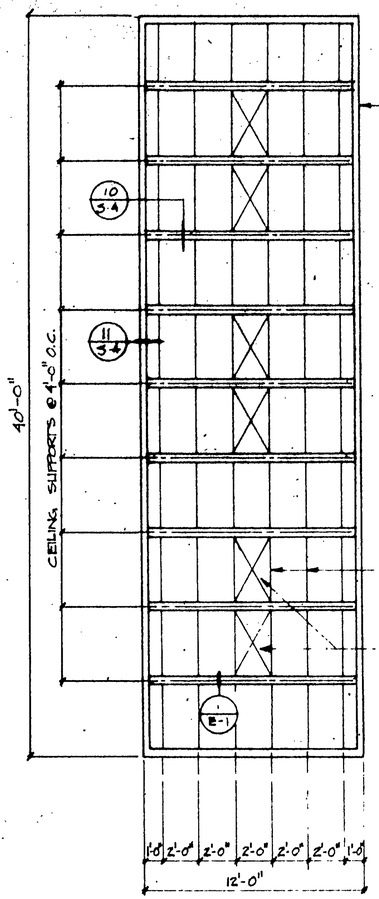
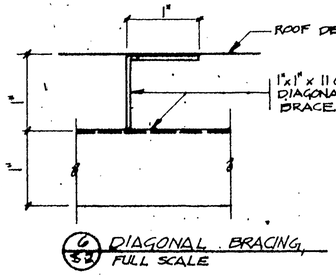
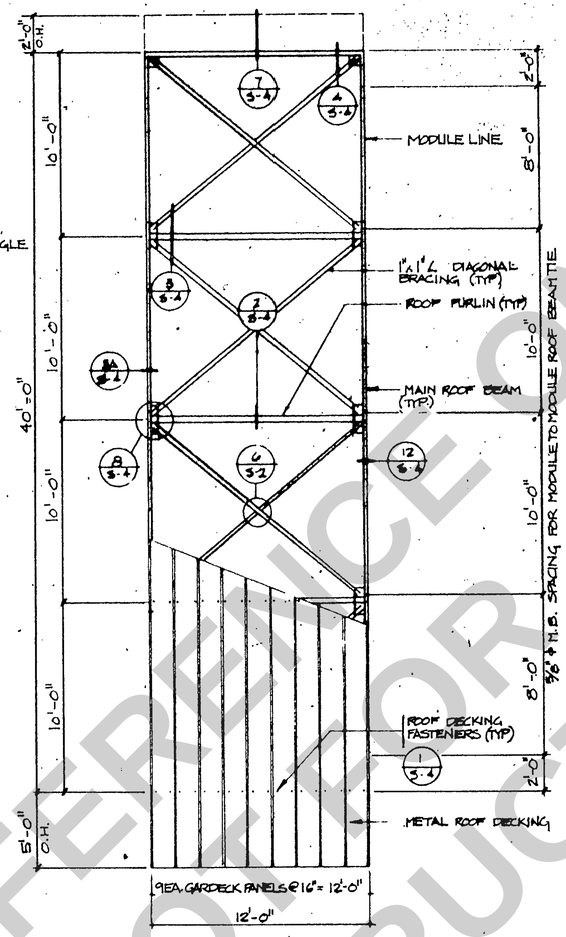
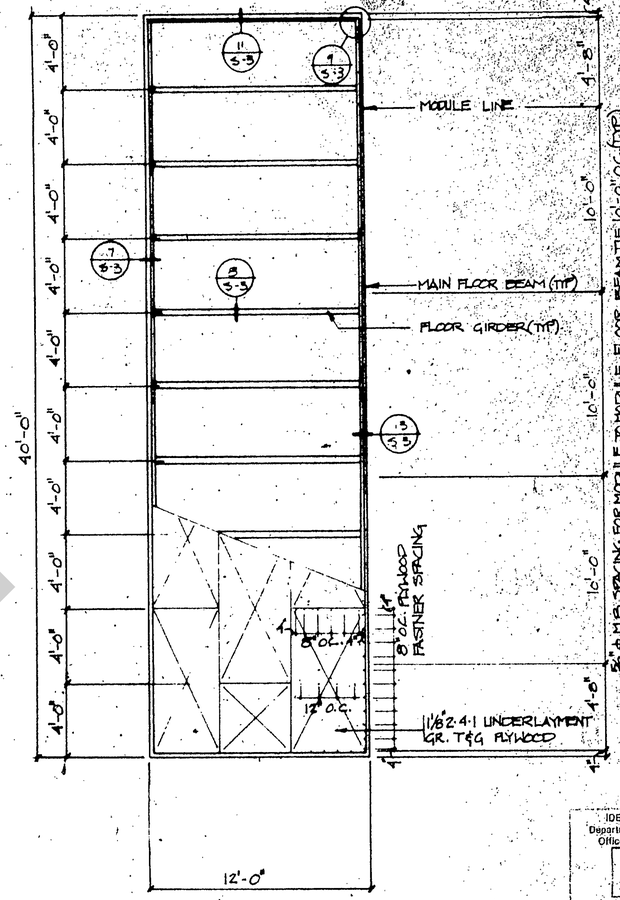




6/5-2 DIAGONAL BRACING, FULL SCALE

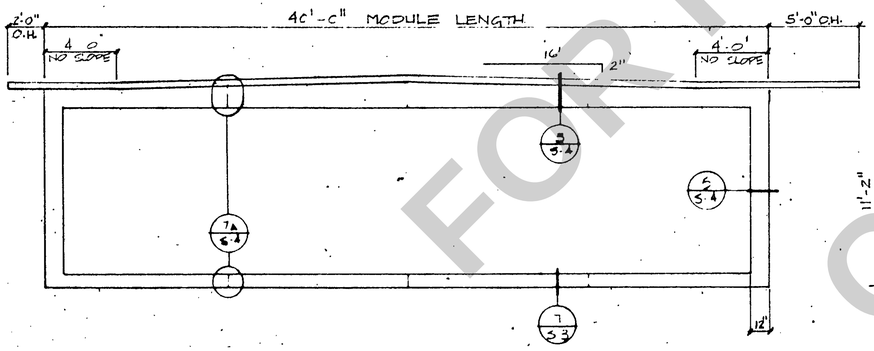




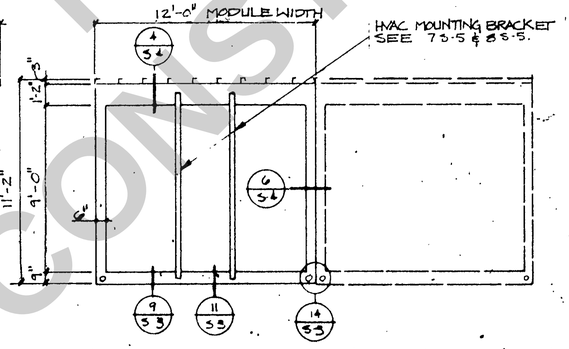
3/5-2 REFLECTED CEILING PLAN
1/4" = 1'-0"

2/5-2 ROOF FRAMING PLAN
1/4" = 1'-0"

1/5-2 FLOOR FRAMING PLAN
1/4" = 1'-0"



5/5-2 EXTERIOR STEEL FRAME ELEV. 40'-WALL
1/4" = 1'-0" ⊥ TO FLOOR GIRDERS



4/5-2 EXTERIOR STEEL FRAME ELEV. 12' WALL
1/4" = 1'-0" ∥ TO FLOOR GIRDERS

FRAMING NOTES:

GENERAL:
1. LIGHT GAGE STEEL SHALL CONFORM TO ASTM A-570 GRADE 36 EXCEPT COLUMNS WHICH SHALL CONFORM TO ASTM A-570 GRADE 45.
2. BOLTS SHALL CONFORM TO ASTM A-307
3. STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36
4. 11GA SHALL BE .120" MIN. 10 GA = .1345" MIN 22 GA = .0299" MIN
5. BEND RADIUS OF 11 GA & 10 GA COLD FORMED SECTIONS SHALL BE A MIN OF 3/16".
6. ALL WELDING SHALL BE INSPECTED FOR REQUIREMENTS OF TITLE 21 & 24 ELECTRODE CLASSIFICATION ASTM A233 E 70
7. ALL EXPOSED WELDS ON CONTACT FACE OF MODULE LINE SHALL BE GROUND FLUSH WITH PARENT METAL

FLOOR:
1. FLOOR PLYWOOD SHALL BE 2-4-1 GROUP 1 INTERIOR W/ EXTERIOR GLUE.
2. FASTENERS - TEKS OR EQ #12x2" SELF DRILLING SELF TAPPING SCREWS

ROOF
1. PREFORMED METAL ROOF DECK GARDECK OR EQ 22 GA GALV & SHALL CONFORM TO ASTM A-570 GRADE 36
2. FASTENERS #14x3/4" TYPE A SMS W/ NEOPRENE WASHERS

IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 42976 12 78
Backchecked BY Mic Mehra

STATE OF CALIFORNIA
Department of General Services
JUN-1 0 1980
Office of the State Architect
Structural Safety Section

STATE OF CALIFORNIA
Department of General Services
OCT - 9 1980
Office of the State Architect
Structural Safety Section

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42982
42983
APPROVED

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
DEC 11 '79
By 94, Mehra Ref

DU PERTUIS and HESSE
Architects / Planners
3070 16th St. / Merced, CA 95340
Phone 722-3346

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42976 JUN 10 '80
By 94, Mehra

Gordon Hoberg C 5490
ARCHITECT

Kuec R.I. Granted 10165

STEELGARD, INC.
1273 INDUSTRIAL PARKWAY WEST
HAYWARD CALIFORNIA
415 ... 566 94 ...

DRAWN CHECKED
DATE
CHECKED
APPROVED
PROJECT

S-2

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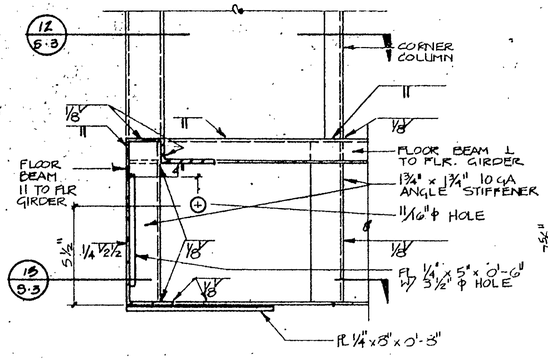
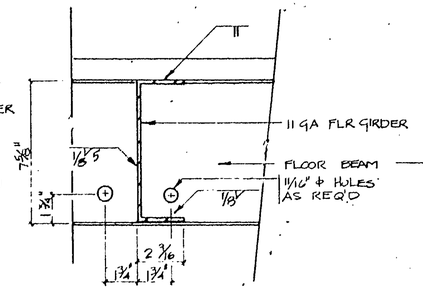
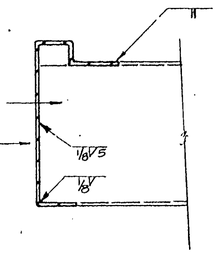


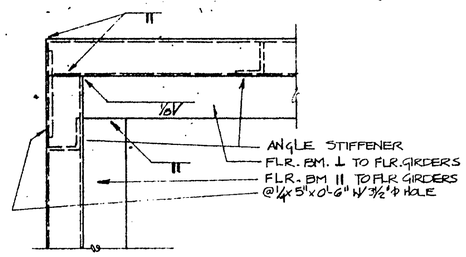
9 FLR. BEAM TO CORNER COL CONN.



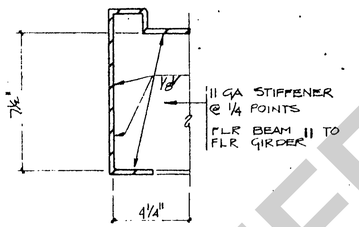
8 FLR GIRDER TO FLR. BM CONN



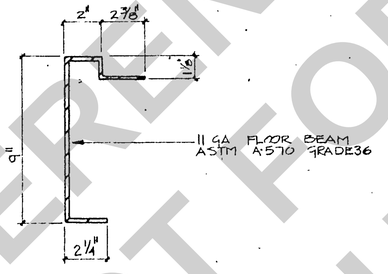
7 FLR GIRDER TO FLR BM. CONN.



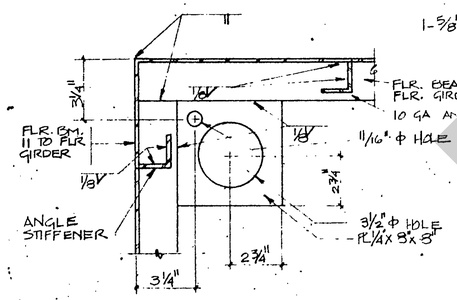
12 FLR. BEAM TOP FLANGE



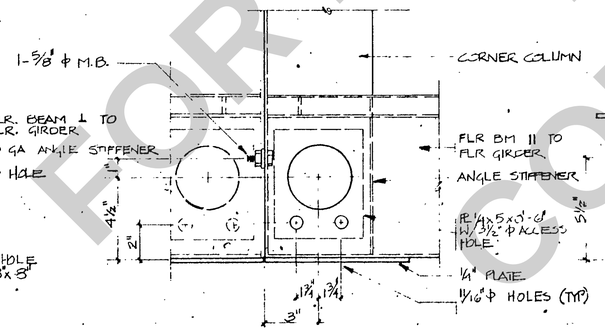
11 FLR BEAM STIFFENER



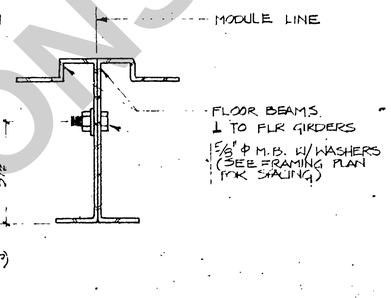
10 FLOOR BEAM



15 FLR BEAM BOTTOM FLANGE



14 FLR. BM. ELEV @ MOD LINE



13 FLR. BM. CONN. @ MODULE LINE

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OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION

DEC 11 '79

Per

STATE OF CALIF. Department of General ... OCT - 9 1980 Office of the Stru Structural Safety S...

IDENTIFICATION STAMP Department of General Services Office of the State Architect OCT - 6 1980 Structural Safety Section Appl.# 54,127 Rechecked By

STATE OF CALIFORNIA Department of General Services JUN 10 1980 Office of the State Architect Structural Safety Section, Sacto.

DU PERTUIS and HESSE Architects - Planners 3070 "G" St. Merced, CA 95340 Phone 722-3346

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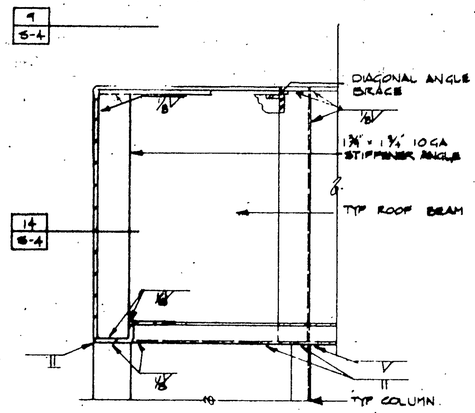
C 5490
ARCHITECT
Kriel M. Bouton 50168

OFFICE OF THE STATE ARCHITECT STRUCTURAL SAFETY SECTION
42976 JUN 10 '80
Per

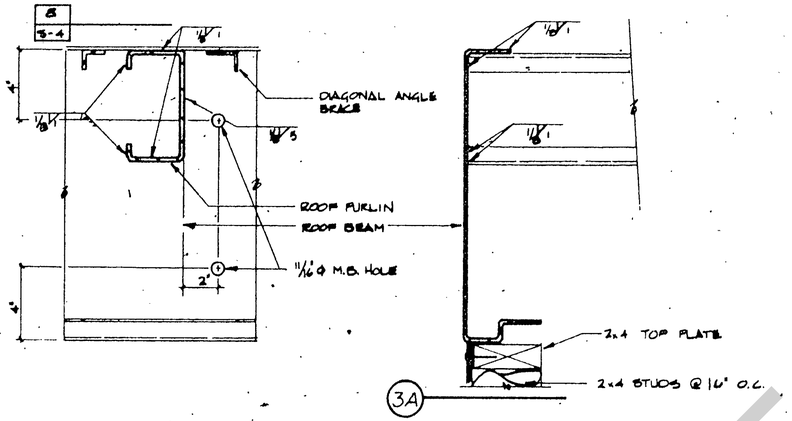
STEELGAP INC
1273 INDUSTRIAL PK
HAYWARD CA
415-836 3566

DRAWN AJ
CHKD
DATE
APPD
REVISED

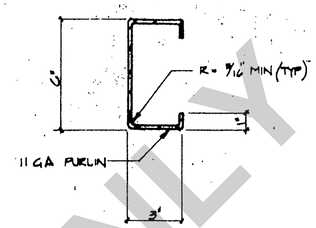
S-3



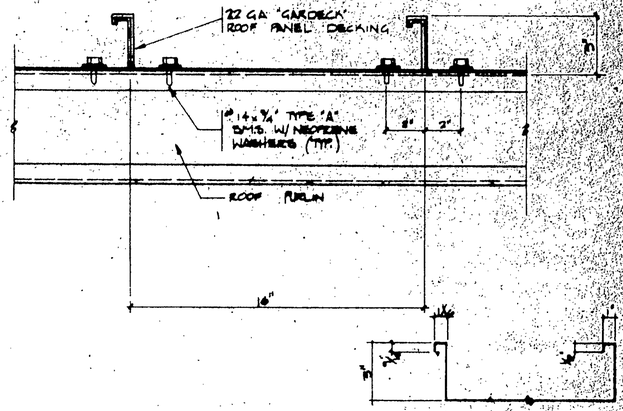
4 ROOF BEAM TO CORNER COL
3" - 1'-0"



3 ROOF PURLIN TO ROOF BEAM CONNECTION

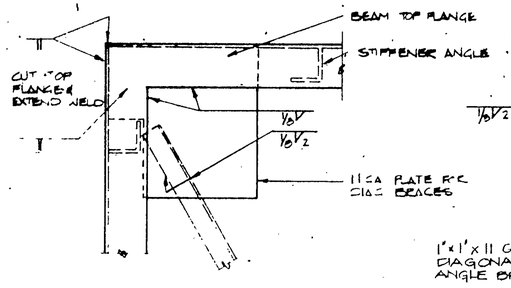


2 ROOF PURLIN

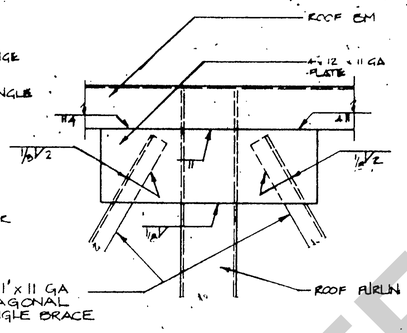


1 ROOF DECK CONNECTION

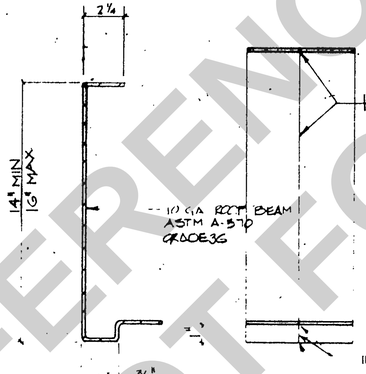
BOTTOM COMPRESSION
I = 0.414
S MIN = 0.741
BOTTOM TENSION
I = 0.875
S MIN = 0.875
TOP IN TENSION
I = 0.414
S = 0.658



9 ROOF BEAM TOP FLANGE

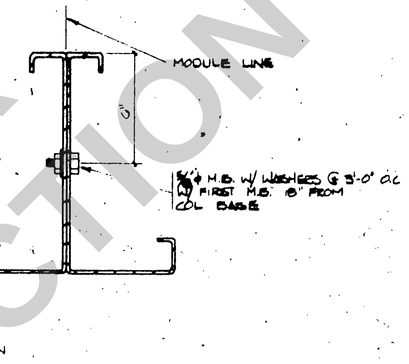


8 ROOF PURLIN @ ROOF BEAM

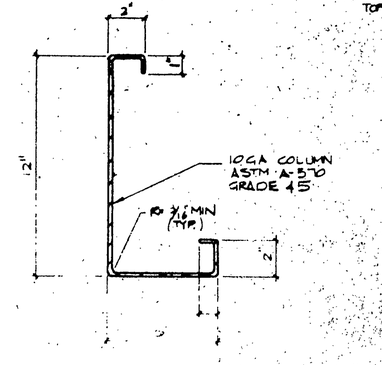


7 ROOF BEAM

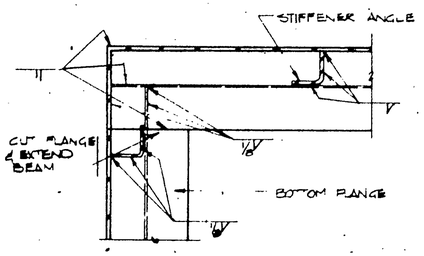
7A BEAM SPLICE



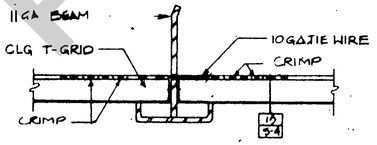
6 COLLUMN TO COLUMN CONNECTION



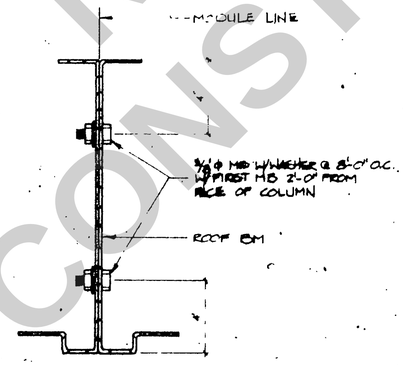
5 CORNER COLUMN



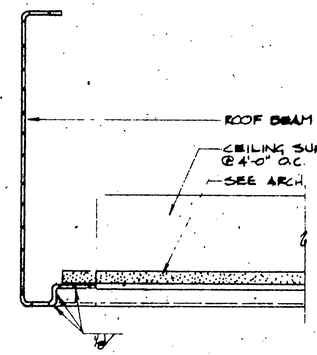
14 ROOF BEAM BOTTOM FLANGE
3" - 1'-0"



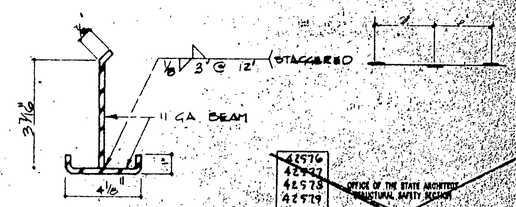
13 CLG SUPPORT TO BEAM



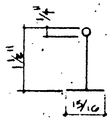
12 ROOF BM TO BM. CONN



11 CEILING SUPPORT BM TO BM. CONN



10 CEILING SUPPORT BEAM



15

.020 CEILING T GRID CHICAGO METALLIC CORP. 400 SERIES OR EQUAL

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IDENTIFICATION STAMP
Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54413-33
Backchecked By MAC MO RR

STATE OF CALIFORNIA
Department of General Services
JUN 10 1990
Office of the State Architect
Structural Safety Section

STATE OF CALIF.
Department of Gener
OCT - 9 1990
Office of the Stat
Structural Safety S

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42583

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
APP. 11 79
Per RA Mallonee
STRUCTURAL SAFETY SECTION

DU PERTUIS and NESSE
Architects - Planners
3070 "O" St. Merced, CA 95340
Phone 722-3346

C 5490
ARCHITECT
Licensed P.E. Structural 161655
ENGINEER

OFFICE OF THE STATE ARCHITECT
STRUCTURAL SAFETY SECTION
42976
JUN 10 '90
Per RA Mallonee

STEELGARD INC
1273 INDUSTRIAL PARKWAY WEST
HAYWARD CALIFORNIA
415 886-5566

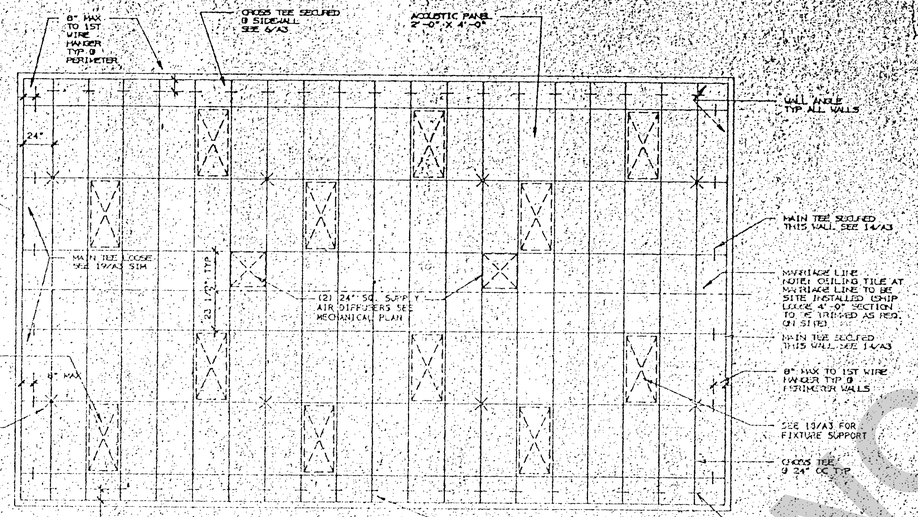
DRAWN
DATE
CHECKED
APPROVED
PROJECT

STRUCTURAL DETAILS

S-4

USE FOR
REVISIONS
PRELIMINARY
OFFICE OF THE STATE ARCHITECT
ENGINEER

1. EXPOSED CEILING GRID SYSTEM:
2. DONN CORPORATION, FLANGEKLAMP SERIES RL PER ASTM C-636 ICBO REPORT NO. 1994 TITLE 24, PART 2, C.C.R.
3. MAIN TEE: DX26 (HEAVY DUTY)
   CROSS TEE: DX424
   WALL ANGLE HOLDING: DONN H77
4. ACOUSTIC CEILING PANEL: 24" X 48" X 5/8" THICK ARMSTRONG FIBERGLASS
5. FLAME SPREAD INDEX 0-25 CLASS I
6. SEE SHEET A3 FOR SUSPENSION DETAILS OF CEILING AND LIGHTING FIXTURES.



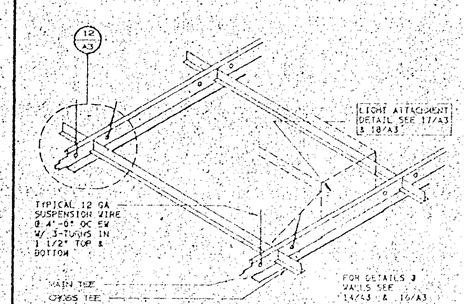
PC03A06 1/4

(6) REFLECTED CEILING PLAN 1/4" = 1'-0"

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: [illegible] Date: 10-17-93

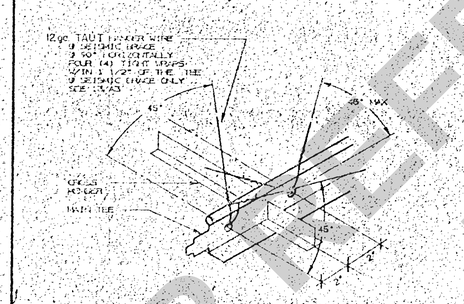
PROPRIETARY DESIGN: THESE DRAWINGS AND THE MATERIAL CONTAINED THEREIN ARE THE PROPERTY OF C.O. SPECTRUM, INC. AND SHALL NOT BE REPRODUCED, COPIED OR OTHERWISE DISPOSED OF TO ANY PERSON OR ENTITY, AND SHALL NOT BE USED DIRECTLY OR INDIRECTLY IN THE MAKING OF OR FOR THE PURPOSE OF PERFECTING ANY SIMILAR OR DERIVATIVE WORK FOR THE MAKING OF DRAWINGS, PRINTS, APPARATUS OR PARTS THEREOF WITHOUT THE EXPRESS, WRITTEN CONSENT OF C.O. SPECTRUM, INC. ALL KNOWLEDGE AND WRITTEN CONSENT OF C.O. SPECTRUM, INC. ANY CHANGES REQUIRED BY LOCAL CODES OR REGULATORS SHALL BE SUBMITTED TO C.O. SPECTRUM, INC. FOR REVIEW AND APPROVAL BEFORE ANY SUCH CHANGES ARE EFFECTED. ALL RIGHTS RESERVED.

C.O. SPECTRUM INC.
2047 GROGAN AVE.
MERCED, CA 95340
(209) 383-7412



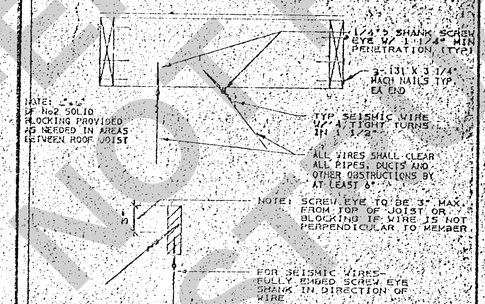
PC03011 3/2

(11) SUSPENDED CLG SYSTEM



PC03012 3

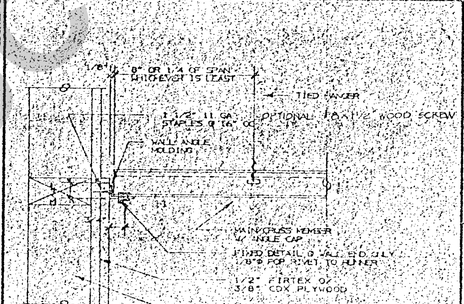
(12) TYPICAL LATERAL BRACING DETAIL SUSPENDED CLG



A303 3/2

(13) WIRE ATTACHMENT DETAIL

ALSO SEE DETAIL 11/A3



PC03014 3

(14) T-BAR MAIN/CROSS MEMBERS FIXED END

ARCHITECT OF RECORD
DU PERTUIS and HESSE
Architects Planners
1010 "O" Street, Merced, CA 95340
Phone (209) 723-3446

ENGINEER OF RECORD

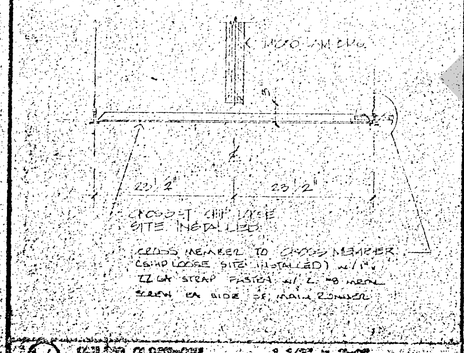
DSA FIRE/LIFE SAFETY
Office of the State Architect
DSA ACCESS COMPLIANCE

DSA APPROVAL
$2000/7/08/89

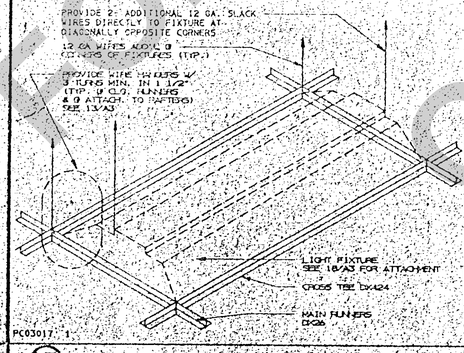
STATE FIRE MARSHAL
OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: [illegible] Date: 10-17-93

Department of General Services
Office of the State Architect
Structural Safety Section
Approved [illegible]

State of California
Department of Housing and Community Development
Office of Statewide Code Development

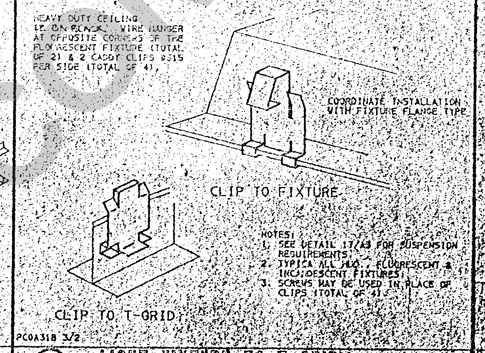


(16) CEILING CLOSE-OFF MISC. DETAIL 3 1/2" = 1'-0"



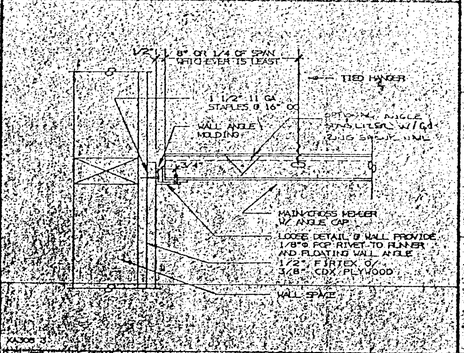
PC03017 1

(17) FIXTURE SUSPENSION DETAIL



PC0A318 3/2

(18) LIGHT FIXTURE TO T-GRID ATTACHMENT 1 1/2"=1'-0"



(19) T-BAR MAIN/CROSS MEMBER CLOSE END 3" = 1'-0"

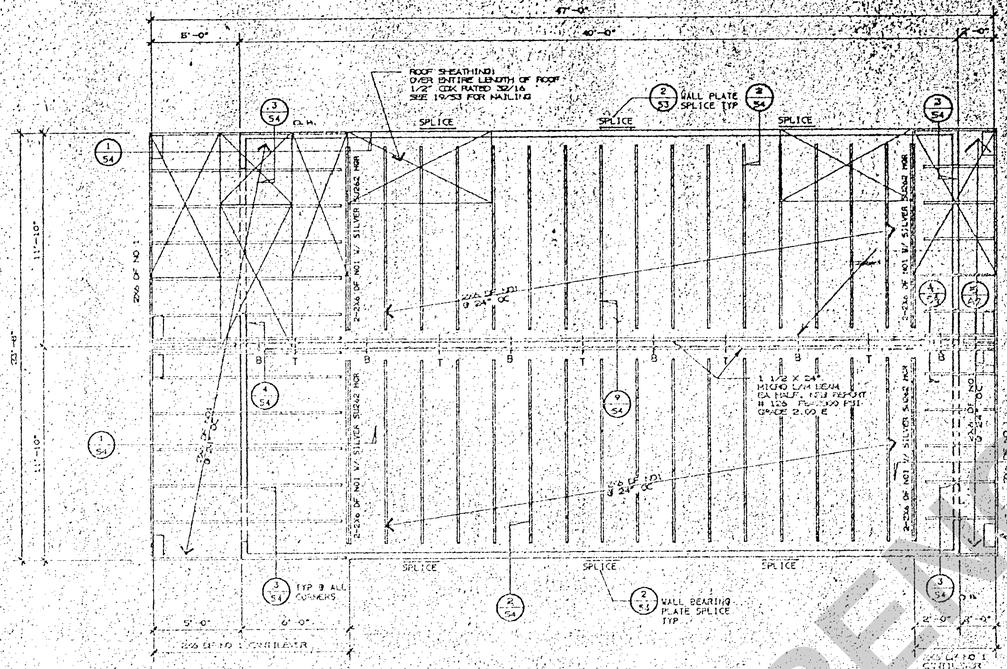
(20) RECORD OF APPROVALS

REVISIONS:

BY	ROO
CHK	
DATE	9/26/88
JOB	PC43.R
SHEET	A3

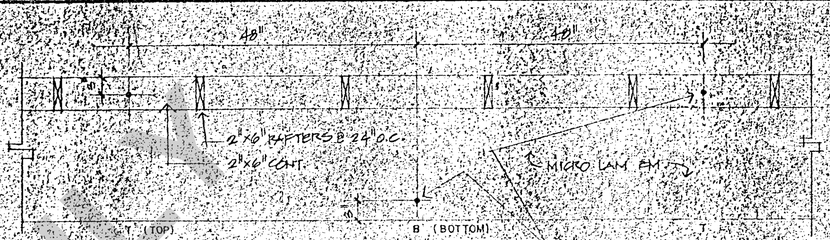
O.S.A. No. PC
22' X 40' CLASSROOM
REFLECTED CEILING PLAN AND RELATED DETAILS

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

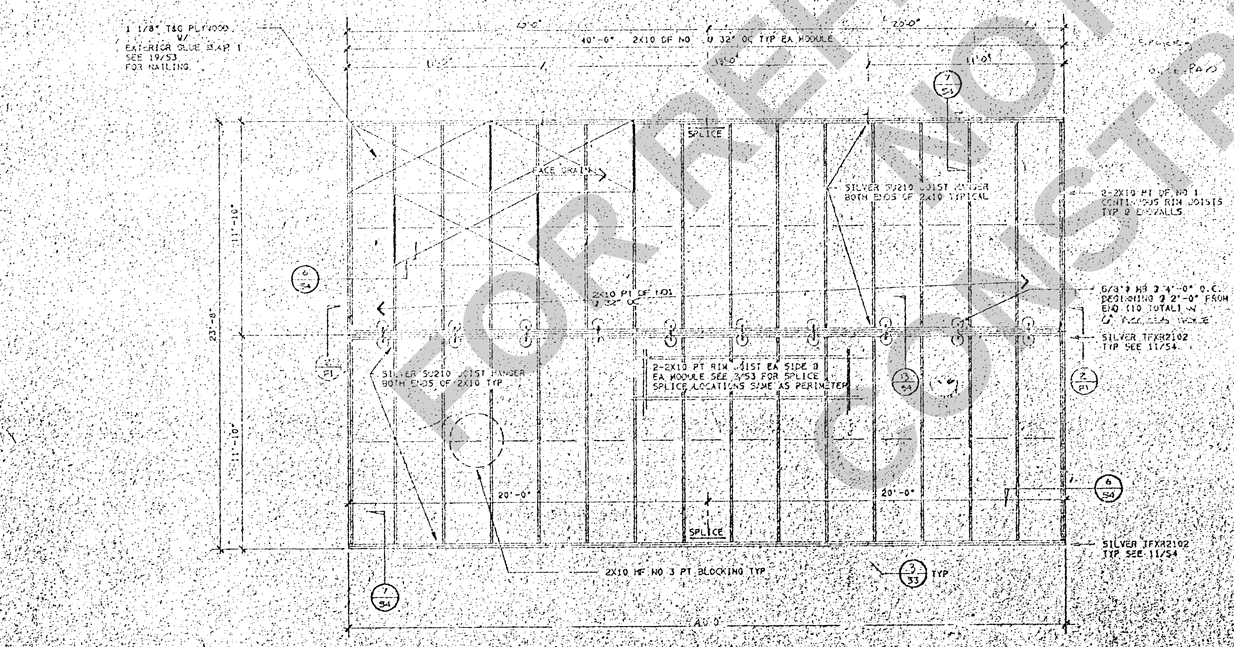


PC05106 1/4

(6) ROOF FRAMING PLAN 1/4" = 1'-0"



(7) RIDGE BEAM BOLTING PATTERN 1"=1'-0"



PC05116 1/4

(16) FLOOR FRAMING PLAN 1/4" = 1'-0"

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SPECTRUM INC.
2047 GROGAN AVE.
MERCED, CA 95340
(209) 383-7412

ARCHITECT OF RECORD

DILFERTUS and HESSE
Architects/Planners
2070 'R' ST Merced, CA 95340
Phone: 722-3396

ENGINEER OF RECORD

OSA STRUCTURAL SAFETY

OSA ACCESS COMPLIANCE

OSA APPROVAL

STATE FIRE MARSHAL

IDENTIFICATION APPROVAL
Department of General Services
Office of the State Architect
OCT - 5 1988
Bureau of Building Services
Application No.
Reviewed by

C.S.A. 100 - PC
24' X 40' CLASSROOM
FLOOR AND ROOF FRAMING PLANS

REVISIONS:

BY: RGO
CHK:
DATE: 9/27/88
JOB # PC43.R
SHEET S1

(20) RECORD OF APPROVALS

IDENTIFICATION APPROVAL
Department of Gen...
OCT - 5 1988
Office of the State Architect

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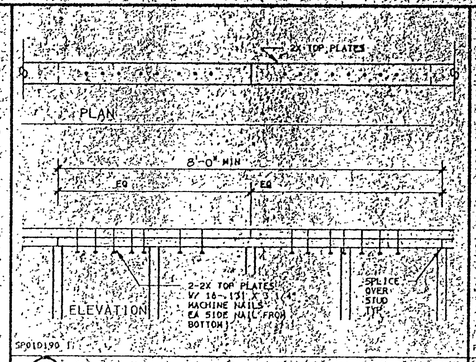
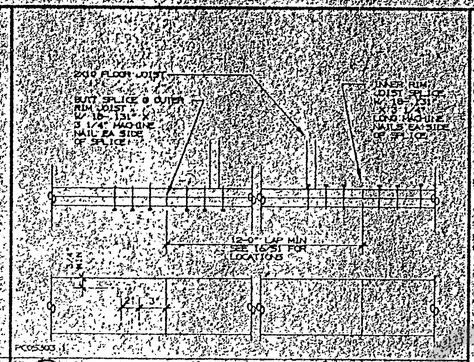
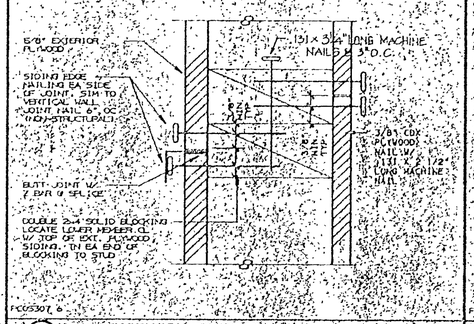
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



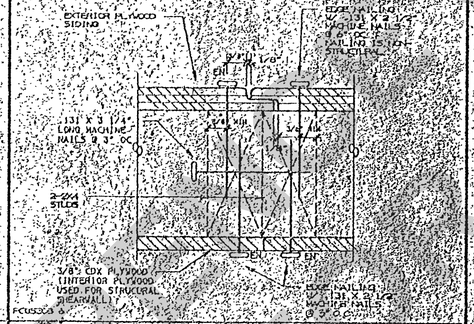
(2) TOP PLATE SPLICE @ 1"=1'-0" AT SIDEWALLS



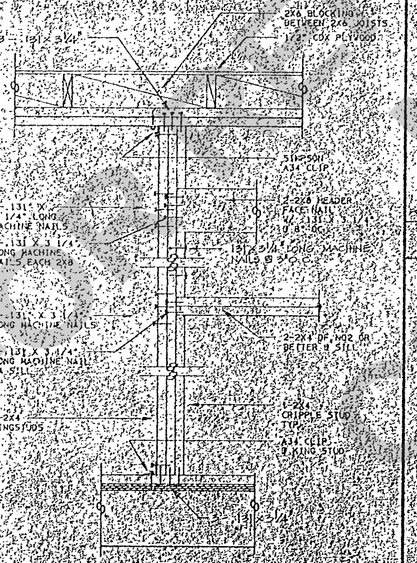
(3) FLOOR RIM JOIST SPLICE @ 1"=1'-0" AT SIDEWALLS



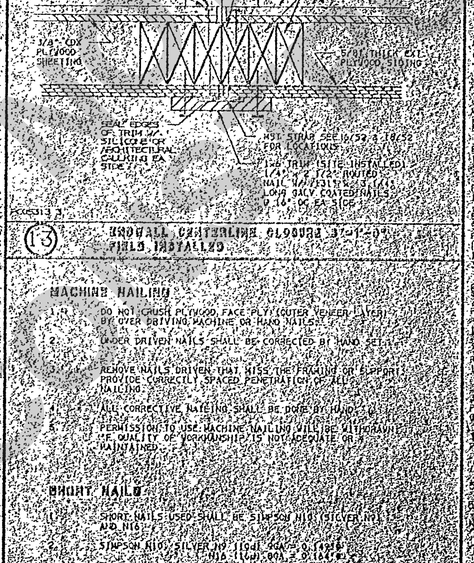
(7) HORIZONTAL PLYWOOD JOINT @ 3"=1'-0"



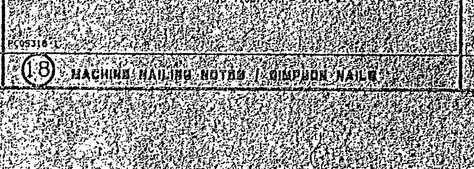
(8) VERTICAL PLYWOOD JOINT W/ PLYWOOD OVERLAP 3"=1'-0"



(17) WINDOW KINGSTUDS 1"=1'-0"



(13) SIDEWALL CENTERLINE SECTION 3"=1'-0" FIELD INSTALLED



(18) MACHINE NAILING NOTES / SIMPSON NAILS

TIMBER CONSTRUCTION NOTES

1. ALL DOUGLAS FIR GRADED PER WEST COAST LUMBERMEN'S ASSOCIATION GRADING RULE (U.N.O.)
2. BEARING WALLS AND PARTITIONS SHALL HAVE DOUBLE TOP PLATES LAPPED AT WALL AND PARTITION INTERSECTIONS. SEE 9/S3 FOR TOP PLATE SPLICES.
3. PIPES EXCEEDING ONE-THIRD OF THE PLATE WIDTH SHALL NOT BE PLACED IN BEARING WALLS. WHERE ALLOWED, PIPES SHALL BE PLACED IN THE CENTER OF PLATES USING A HOLE SAW. NO NOTCHING IS ALLOWED.
4. LAG SCREWS AND SCREWS SHALL BE SCREWED AND NOT DRIVEN INTO PLACE.
5. FRAMING ANCHORS AS CALLED FOR ON PLANS AND DETAILS ARE GALVANIZED STEEL AS MADE BY SIMPSON STRONG TIE (CATALOG C31) AND/OR BY SILVER METAL PRODUCTS, INC. (CATALOG RIGHT JOIST).
6. LUMBER GRADES 2X3 OR VERT. 2X4 OR LARGER: DF #2 (23d)
2X3 & LARGER HORIZ.: DF #1 (23d)
ALL LUMBER IN FLOOR SYSTEM SHALL BE PRESSURE TREATED.
7. LUMBER MAY BE REJECTED FOR BOXED HEART, EXCESSIVE SIZE, TWIST, SPLIT, CHECK, KNOTHOLD, OR ANY REASON PROVIDED BY GRADING RULES.
8. SEE 10/S3 FOR MICRO-LAM NOTES.
9. PRESSURE TREATED WOOD: PRESSURE TREATED WITH ACQ, CBA-A, CA, OR CUAZ. DOUGLAS FIR PADS, PLYWOOD GIRDERS, JOISTS, ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING THE MATERIAL IN THIS UNIT WAS TREATED PER UNIFORM BUILDING CODE STANDARD SECTION 25-12. ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT". ALL MATERIAL NOT USED IN GROUND CONTACT SHALL BE STAMPED "FOR ABOVE GROUND USE ONLY". NON-GROUND CONTACT: EACH PIECE OF PRESSURE TREATED MATERIAL SHALL BE STAMPED WITH THE APPROPRIATE AWPA STAMP.

NAILING SCHEDULE

FLOOR JOIST TO RIM JOIST ... SILVER SU210 ... 10-16d @ RIM JOIST
SEE DETAIL 1/S4 ... 6"-0" @ FLOOR JOIST
FACE NAIL BEARING PL TO JOIST ... 5-131 X 3 1/4" LONG MACHINE NAIL
SEE DETAIL 2/S4
FACE NAIL RIM JOIST TO JOIST ... 5-131 X 3 1/4" LONG MACHINE NAILS
SEE DETAIL 2/S4
FACE NAIL RIM JOIST TO TOP PL ... 131 X 3 1/4" LONG MACHINE NAIL
SEE DETAIL 2/S4
SIDE/END TOP PLATES FACE NAIL ... 131 X 3 1/4" LONG MACHINE NAILS @ 6" O.C.
SEE DETAIL 2/S3 FOR SPLICES
SIDE/END TOP PLATE SPLICES ... 131 X 3 1/4" LONG MACHINE NAILS @ 6" O.C.
SEE DETAIL 2/S3
END TOP PLATES FACE NAIL ... 131 X 3 1/4" LONG MACHINE NAILS @ 6" O.C.
NO SPLICES WITHIN 2'-0" OF END
TOP AND BOTTOM PLATE TO STUD ... 3-131 X 3 1/4" LONG MACHINE NAILS END NAIL
DOUBLE STUDS FACE NAILED ... 131 X 3 1/4" LONG MACHINE NAILS @ 9" O.C.
ROOF JOISTS TO STEEL ... 3-131 X 3 1/4" LONG MACHINE NAILS EA SIDE
SEE DETAIL 1/S5 ... TOE NAIL TO WOOD PURLIN
FLOOR JOIST BLOCKING ... 131 X 3 1/4" LONG MACHINE NAILS EA END
SEE DETAIL 3/S4 ... TOE NAIL BLOCKING TO FLOOR JOISTS
BUILT-UP WOOD BEAMS ... 131 X 3 1/4" LONG MACHINE NAILS @ 9" O.C. STAGGERED
SEE DETAIL 1/S5
BUILT-UP WOOD BEAMS ... 131 X 3 1/4" LONG MACHINE NAILS @ 6" O.C. STAGGERED
KING STUDS TO SILL ... 2-131 X 3 1/4" LONG MACHINE NAILS END NAIL
SEE DETAIL 1/S5 ... TOE NAIL TO WOOD PURLIN
JOIST TO SIDEWALL ... 3-131 X 3 1/4" LONG MACHINE NAILS @ 6" O.C. STAGGERED
SEE DETAIL 1/S4 ... TOE NAIL TO WOOD PURLIN
ALL DUNGEE ... TO BE NAILED AS PER MANUFACTURER'S RECOMMENDATIONS
ALL EXPOSED LOCATIONS SHALL BE NAILED WITH HOT DIPPED GALVANIZED NAILS OR EQUIVALENT PER ASTM A153

PLYWOOD

1/2" PLYWOOD ROOF SHEATHING ... GRADE DOUGLAS FIR-APA RATED EXPOSURE 1
5/8" PLYWOOD ROOF SHEATHING ... GRADE DOUGLAS FIR-APA RATED EXPOSURE 1
STAGGER JOINTS ... ALL EDGES TO BE BLOCKED
ROOF PLYWOOD ... 6" O.C. EDGE NAILING
1/2" PLYWOOD (APA RATED) ... 6" O.C. EDGE NAILING
EXTERIOR PLYWOOD (INCLUDING SKIRTING) ... 6" O.C. EDGE NAILING
5/8" PLYWOOD SIDING (APA RATED) ... 6" O.C. EDGE NAILING
FIBERGLASS FRAMED ROOF ... 8" O.C. EDGE NAILING
5/8" PLYWOOD SIDING ... TYPE 303 DOUGLAS FIR
INTERIOR PLYWOOD ... 6" O.C. EDGE NAILING
3/8" CDX PLYWOOD (APA RATED) ... 6" O.C. EDGE NAILING

STRUCTURAL PLYWOOD NAILING

FLOOR
1/2" PLYWOOD ... 10d @ 6" O.C. EDGE ... 10d @ 12" O.C. FIELD
WALL
1/2" PLYWOOD ... 8d @ 6" O.C. EDGE ... 8d @ 12" O.C. FIELD
ROOF
1/2" PLYWOOD ... 8d @ 6" O.C. EDGE ... 8d @ 12" O.C. FIELD
2a. CONFIRMATION ... 131 X 3 1/4" LONG MACHINE NAILS @ 6" O.C. EDGE ... 131 X 3 1/4" LONG MACHINE NAILS @ 12" O.C. FIELD
PLYWOOD SHEAR WALLS
5/8" CDX INTERIOR ... 131 X 3 1/4" LONG MACHINE NAILS @ 3" O.C. EDGE ... 131 X 3 1/4" LONG MACHINE NAILS @ 6" O.C. FIELD
PLYWOOD SHEAR WALLS
ALL HOLDOWNS ... SEE 16/S1 FOR LOCATIONS
5/8" STUCCO SIDING ... 131 X 3 1/4" LONG MACHINE NAILS @ 6" O.C. EDGE ... 131 X 3 1/4" LONG MACHINE NAILS @ 12" O.C. FIELD
3/8" PLYWOOD SHEATING ... SEE 16/S1 FOR LOCATIONS
NOTE: ALL PLYWOOD SHEATHING SHALL BE APA RATED

GENERAL NOTES

1. THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE AGENCY ARCHITECT SHALL BE NOTIFIED OF ANY DISCREPANCY BEFORE PROCEEDING WITH THE WORK.
2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 1979 UNIFORM BUILDING CODE AS MODIFIED BY PART 2 TITLE 24 CAC, TITLE 19, AND 21 CAC.
3. NAME BRANDS ARE INDICATED TO ESTABLISH STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED IF APPROVED BY THE AGENCY ARCHITECT, OFFICE OF LOCAL ASSISTANCE, OFFICE OF THE STATE ARCHITECT AND THE OFFICE OF PROCUREMENT. ( )

STEEL FABRICATION

1. ALL STEEL WIDE FLANGE SHALL BE A572 GR 50
2. ALL STEEL PLATE SHALL BE A36
3. ALL MACHINE BOLTS & THREADED RODS SHALL BE A307
4. STEEL TUBING USED IN ACCESS RAMP SHALL BE A500B F46
5. WELDING OF RE-BAR SHALL BE PER D1.4 AWS (LATEST EDITION)
6. INSPECTION OF WELDS SHALL BE PER SECTION 2-317(H) OF THE 1979 UBC

GENERAL NOTES

MICRO-LAM BEAMS PER TRUS126 Fb=2800psi E=2000000psi

(1) MANUFACTURE/FABRICATION

1. ADHESIVES: ONLY USE ADHESIVES THAT ARE NOT REDUCED
2. INSPECTION
3. PROVIDE INSPECTION AGENCY STAMP ON EACH MEMBER PER NER-108 REQUIREMENTS.

(2) MOISTURE CONTENT

1. MOISTURE CONTENT AT TIME OF GLUING: THE MAXIMUM MOISTURE CONTENT OF LVL WOOD AT TIME OF GLUING SHALL NOT EXCEED 16 PERCENT FOR SOFTWOODS AND 14 PERCENT FOR HARDWOODS.
2. MOISTURE CONTENT AT TIME OF SHIPMENT: THE MOISTURE CONTENT OF LVL WOOD AT TIME OF SHIPMENT SHALL NOT EXCEED 19 PERCENT FOR SOFTWOODS AND 16 PERCENT FOR HARDWOODS.
3. MOISTURE CONTENT AT TIME OF INSTALLATION: THE MOISTURE CONTENT OF LVL WOOD AT TIME OF INSTALLATION SHALL NOT EXCEED 19 PERCENT FOR SOFTWOODS AND 16 PERCENT FOR HARDWOODS.
4. MOISTURE CONTENT IN SERVICE: THE MOISTURE CONTENT OF LVL WOOD IN SERVICE SHALL NOT EXCEED 16 PERCENT FOR SOFTWOODS AND 14 PERCENT FOR HARDWOODS.
5. MOISTURE CONTENT OF ENDWOOD: THE MOISTURE CONTENT OF ENDWOOD FOR MEMBERS USED IN EXPOSED TO DIRECT SUNLIGHT OR THE WEATHER SHALL NOT EXCEED 10 PERCENT AT THE TIME OF GLUING. THE MINIMUM MOISTURE CONTENT SHALL NOT BE LESS THAN 4 PERCENT FOR SOFTWOODS AND 3 PERCENT FOR HARDWOODS.
6. MOISTURE CONTENT OF LAMINATIONS: THE MOISTURE CONTENT OF LAMINATIONS SHALL NOT EXCEED 16 PERCENT AT THE TIME OF GLUING.

(3) STORAGE

1. STORAGE: LVL SHALL BE STORED AND HANDLED IN A MANNER THAT WILL PROTECT IT FROM EXCESSIVE MOISTURE CHANGE OR DAMAGE.

MICRO-LAM NOTES

ARCHITECT OF RECORD

ENGINEER OF RECORD

DSA STRUCTURAL APPROVAL	DSA ACCESS COMPLIANCE
DSA APPROVAL	
STATE FIRE MARSHAL	

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Department of General Services
Office of the State Architect
DATE 6/96
Structural Safety Section
Approved by [illegible]

RECORD OF APPROVALS

PLANS OF THIS
Department of
DATE - 6-1996
Office of the
Structural Safety

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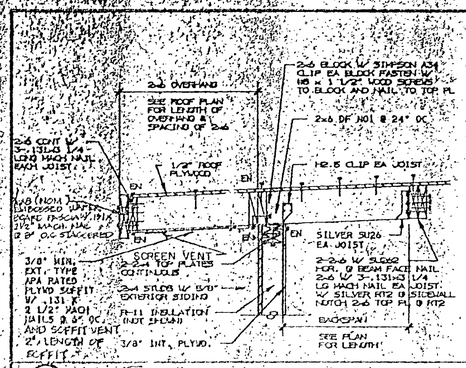
[illegible]
[illegible]

CLASSROOM
20'-0" X 24'-0"
STRUCTURAL NOTES/DETAILS

REVISIONS:

BY: RSO
CHK
DATE 10/28/96
JOB P/A98/11
SHEET
S8

MCSD BID# 2024-5 - 04/02/2025
Addendum #3



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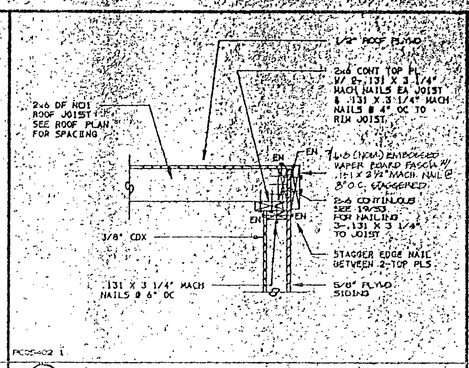

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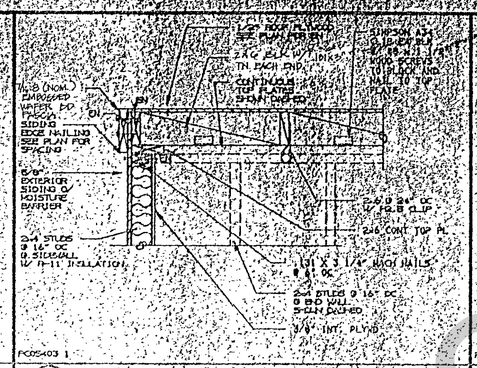

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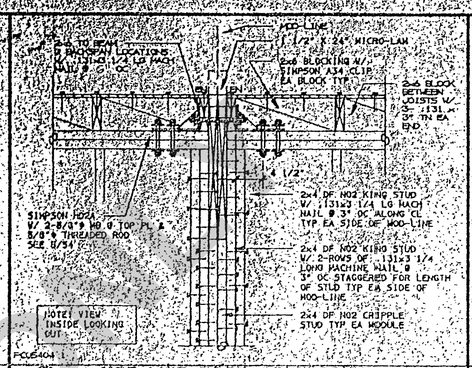

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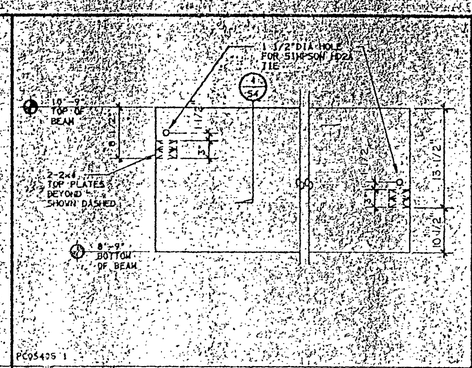


PCGS405 1

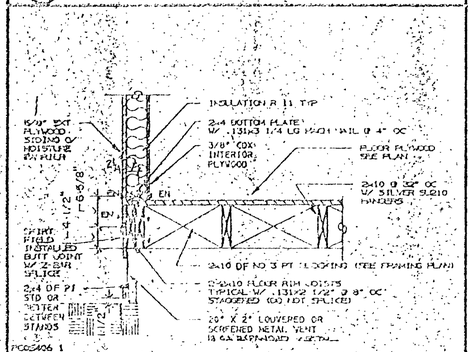
(1) ROOF OVERHANG TO WALL 1"=1'-0"

(2) ROOF TO SIDEWALL 1"=1'-0"

(3) ROOF TO CORNER/WALL@ 1"=1'-0"

(4) MOD-LINE ROOF CONNECTION AT SIDEWALL@ 1"=1'-0"

(5) BEAM DETAIL 1" = 1'-0"



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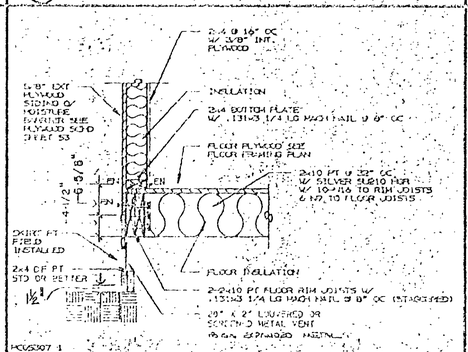

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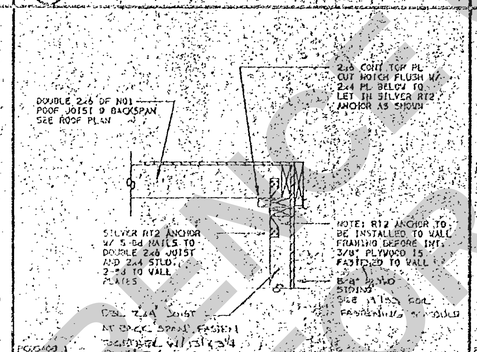

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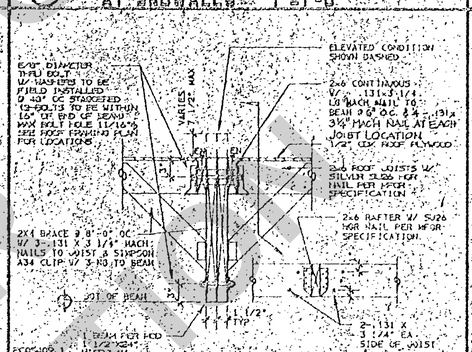


PCGS409 1 PCGS410 3/2

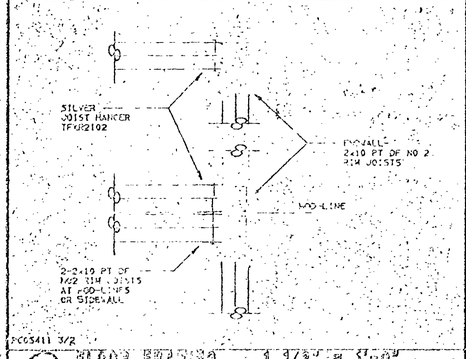
(6) ENDWALL TO FLOOR 1" = 1'-0"

(7) SIDEWALL TO FLOOR 1"=1'-0"

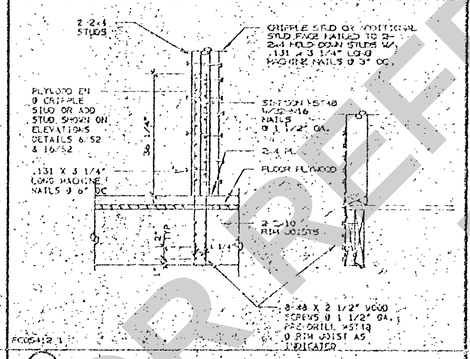
(8) ROOF BACKSPAN TO SIDEWALL DETAIL 1"=1'-0"

(9) ROOF BEAM - MODULE CL 1"=1'-0"

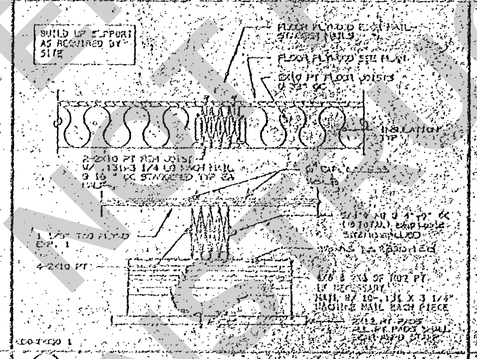
(10) TOP PLATE CORNER CONNECTION 1 1/2" = 1'-0"



PCGS411 3/2



PCGS412 1



PCGS413 1

(11) FLOOR FRAMING CORNER DETAIL 1 1/2" = 1'-0"

(12) HOLDDOWN DETAIL 1"=1'-0"

(13) FLOOR JOG CENTER LINE 1" = 1'-0"

(14)

(16)

(17)

(18)

(19)

(20) RECORD OF APPROVALS

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DU PERTUIS and HESSELEIN
Architects / Planners
3070 "O" St. / Mercedes, CA 95340
Phone 722-3846
2047 GROGAN AVE.
MERCED, CA 95340
(209) 383-7411

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ENGINEER OF RECORD

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OSA APPROVAL

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Structural Safety Section
Appl. #
Reviewed and Approved By

REVISIONS:

BY	RCG
CHK	
DATE	10-05-88
JOB	PC43.R
SHEET	S4

STATE OF CALIFORNIA
GENERAL SERVICES
OCT - 6 1988
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Structural Safety Section
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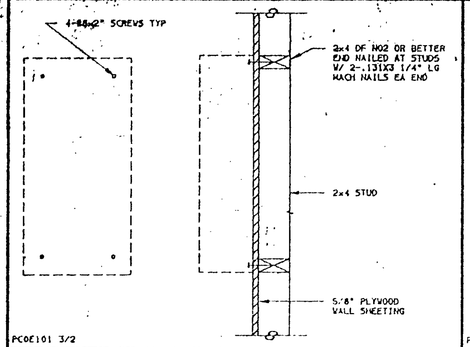
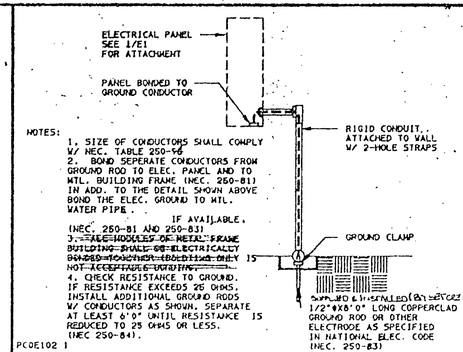


PCOE101 3/2

(1) ELECT. PANEL MTG. DETAIL 1 1/2" = 1'-0"



NOTES:
1. SIZE OF CONDUCTORS SHALL COMPLY W/ NEC. TABLE 250-95
2. BOND SEPERATE CONDUCTORS FROM GROUND ROD TO ELEC. PANEL AND TO MTL. BUILDING FRAME (NEC. 250-81) IN ADD. TO THE DETAIL SHOWN ABOVE BOND THE ELEC. GROUND TO MTL. WATER PIPE. IF AVAILABLE. (NEC. 250-81 AND 250-83)
3. ~~ELECTRODES OF METAL FRAME BUILDING SHALL BE ELECTRICALLY BONDED TOGETHER (BONDING ONLY IS NOT ACCEPTABLE GROUNDING~~
4. CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS W/ CONDUCTORS AS SHOWN. SEPARATE AT LEAST 6'0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS. (NEC 250-84).

PCOE102 1

(2) ELECTRICAL GROUND

ELECTRICAL REQUIREMENTS

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE 1978 EDITION OF THE NATIONAL ELECTRIC CODE.
2. ALL WIRING SHALL CONFORM TO THE 1978 NATIONAL ELECTRIC CODE AND THE CALIFORNIA CODE OF REGULATIONS TITLE 24 PART 3.
3. WIRING SHALL COMPLY WITH N.E.C. ARTICLE 310-16 NOTE 8 ALLOWABLE AMPACITY OF WIRE IS NOTED WITH NO MORE THAN 3 CONDUCTORS IN RACEWAY. NEUTRAL CONDUCTORS ARE NOT COUNTED,
4. BRANCH CIRCUIT PANELBOARD GROUNDING SHALL BE IN ACCORDANCE WITH THE 1978 NATIONAL ELECTRIC CODE.
5. BOXES SHALL BE OF SUFFICIENT SIZE AND SHALL BE PROVIDED IN ACCORDANCE WITH THE 1978 NATIONAL ELECTRIC CODE.
6. ELECTRICAL EQUIPMENT SHALL BE MOUNTED AND COOLED IN ACCORDANCE WITH THE 1978 NATIONAL ELECTRIC CODE.
7. ELECTRICAL SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH C.C.R. TITLE 24, PART 3.
8. ALL WIRING SHALL BE #12 THHN IN 1/2" CONDUIT EXCEPT AS SHOWN ON PLANS OR AS REQUIRED TO BE INCREASED FOR VOLTAGE DROP
9. WHERE SUBJECT TO PHYSICAL DAMAGE, CONDUCTORS SHALL BE ADEQUATELY PROTECTED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. ELECTRICAL APPLIANCES SHALL BE SEPARATED FROM ADJACENT COMBUSTIBLE MATERIAL.
10. ALL APPLIANCES, DEVICES, EQUIPMENT, FITTINGS AND MATERIAL SHALL BE INSTALLED PER MFGR. INSTRUCTIONS AND TERMS OF THEIR LISTING.
11. FEEDER ASSEMBLY EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE MFGR, IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. THE FEEDER ASSEMBLY CONNECTION SHALL BE IDENTIFIED IN ACCORDANCE WITH C.C.R. TITLE 24, PART 3.
12. SUFFICIENT ACCESS AND WORKING SPACE SHALL BE PROVIDED AND MAINTAINED ABOUT ALL ELECTRICAL EQUIPMENT IN ACCORDANCE WITH THE 1978 NATIONAL ELECTRIC CODE.
13. OUTDOOR FIXTURES AND EQUIPMENT SHALL CONFORM TO THE NATIONAL ELECTRIC CODE. EXTERIOR SURFACES SHALL BE SEALED TO RESIST THE ENTRANCE OF RODENTS PER C.C.R. TITLE 24, PART 3.
14. REFER TO ARCHITECTURAL PLANS FOR EXACT WALL LOCATIONS, DIMENSIONS, CONFIGURATIONS AND DOOR SWINGS FOR VERIFICATION OF SWITCH AND OUTLET LOCATIONS.

LIGHTING NOTES

THE LIGHTING LOADS SHALL BE CIRCUITED AND CONTROLLED IN ACCORDANCE WITH THE CALIFORNIA ENERGY CODE C.C.R TITLE 24, PART 2, CHAPTERS 2 - 53

1. EACH AREA ENCLOSED BY CEILING HEIGHT PARTITIONS SHALL HAVE INDEPENDENT CONTROL OF LIGHTING WITHIN THAT AREA.
2. ALL SWITCHING DEVICES USED TO CONTROL LIGHTING WITHIN AN AREA SHALL BE READILY ACCESSIBLE TO PERSONNEL OCCUPYING THAT AREA.
3. FOR ALL AREAS LARGER THAN 100 SQUARE FEET AND FOR WHICH A MAXIMUM CONNECTED LIGHTING LOAD OF MORE THAN 1.0 WATT PER SQUARE FOOT IS ALLOWED, THE LIGHTING SHALL BE ABLE TO BE REDUCED BY AT LEAST HALF IN A UNIFORM PATTERN. THE MAXIMUM AREA THAT MAY BE CONTROLLED BY ANY TWO SWITCHING DEVICES SHALL BE LIMITED TO THAT AREA THAT CAN BE SERVED BY TWO 20 AMP SINGLE POLE CIRCUITS LOADED TO NO MORE THAN 80% OF THEIR RATING.

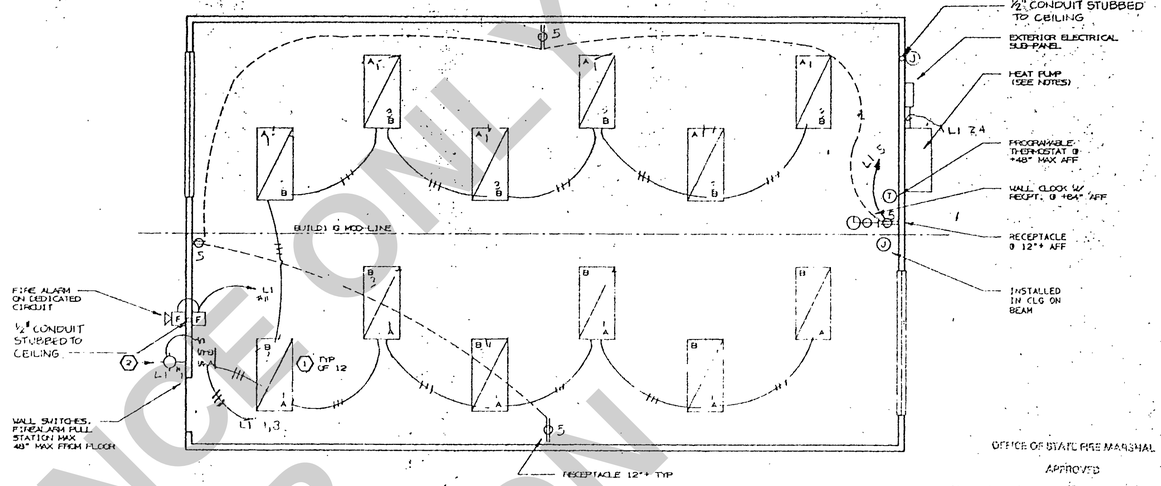
All electrical wiring 110V and greater shall be in conduit systems and shall meet or exceed the requirements of N.E.C. minimum size conduit 1/2".

Acceptable conduit:

Electrical metallic tubing (EMT); galvanized thin wall
Flex (interior); galvanized steel
Flex (exterior); galvanized steel with factory applied P.V.C. jacket

All conduits shall be continuous from outlet to outlet and shall be secured in conformance with T-24, Part 3. Field bends shall be avoided wherever possible. Where bends must be made, use an appropriate "Hickey" or bending machine. Ream and debur all conduit prior to installation and terminate in appropriate bushings or conductors.

Wiring shall be #14 min. copper type TW, THW, THHN or THWN as applicable. Conduit fill shall not exceed requirements of T-24, Part 3. A separate grounding conductor shall be pulled throughout the entire system. Take care to avoid damage to wire or insulation during pull-in. Use powdered soapstone or a pulling compound such as "Yellow 77" lubricant if necessary.



(1) 24" X 48" 4 LAMP RECESSED T-GRID TROFFER - 2GT440
(2) EXTERIOR INCANDESCENT LIGHT FIXTURE - DOLPHIN I BY MARVIN

PCOE108 1/4

(8) ELECTRICAL PLAN 1/4" = 1'-0"

PANEL NO. 1-1 VOLTAGE 120/240 3 WIRE SINGLE PHASE
SURFACE X FLUSH ___ MOUNTED. TYPE ___ MAIN BREAKER 100 amp
MAINS ONLY ___ FEED ___ LOCATION SEE ELECTRIC PLAN

AREA SERVED	CKT	BKR	A	B	BKR	CKT	AREA SERVED
LIGHTS	1	20			20	2	HVAC
LIGHTS	3	20				4	
RECPT	5	20			20	6	HVAC
SPARE	7	20				8	
SPARE	9	20				10	SPARE
FIRE ALARM	11					12	SPARE

A. WATTS 8830 AMP 74
B. WATTS 8460 AMP 70.5

(13)

(14)

SYMBOL INDEX

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT.

- DUPLEX RECEPTACLE 125V, 20A MIN 12" FROM FLOOR
- TOGGLE SWITCH MAX 48" FROM FLOOR TO SWITCH
- HOME RUN TO RESPECTIVE PANEL OR TERMINAL
- THERMOSTAT FOR HVAC UNIT +48" MAX FROM FLOOR
- ~~DUPLEX RECEPTACLE 125V, 20A MIN 12" FROM FLOOR~~
- SINGLE CLOCK RECEPTACLE 125V
- JUNCTION BOX AS NOTED ON SHEET A2
- AUDIBLE FIRE ALARM WARNING ~~DEVICE~~
- 2 SPEED TOGGLE SWITCH FOR HVAC FAN
- FIRE ALARM PULL STATION AS NOTED ON PLAN
- WALL CLOCK

PCOE118 1

1. FIRE ALARM
   HEMA 1 MODEL NO BG-10 FIRELITE SFM # 7150-0715.103
   HEMA 3 MODEL NO 3500 FLUSH SFM # 7135-811.4
   FEDERAL SIGNAL CORPORATION.
2. THE FIRE ALARM SYSTEM SHALL CONFORM TO SECTION 2-809 PART 2 OF TITLE 24 & ARTICLE 3-360 OF PART 3 OF TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS.
3. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE STATE FIRE MARSHAL - OSA.
4. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.
5. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFOR.
6. BUILDINGS WITHIN 20' OF EACH OTHER SHALL BE SERVED BY A SINGLE FIRE ALARM SYSTEM WHICH SHALL BE THE RESPONSIBILITY OF THE DISTRICT.

PCOE119 1

(16)

(18) ELECTRICAL SYMBOLS

(19) FIRE PROTECTION

(20) RECORD OF APPROVALS

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: JW 10-1-90

ARCHITECT OF RECORD

DU PERTUIS and HESSE
Architects - Planners
3070 'G' St. Merced, CA 95340
Phone 722-3346

REGISTERED PROFESSIONAL ENGINEER JOHN T. SIMPSON No. E11435 ELECTRICAL STATE OF CALIFORNIA

OSA STRUCTURAL SAFETY

OSA ACCESS COMPLIANCE

52000 [illegible]

STATE FIRE MARSHAL

OFFICE OF STATE FIRE MARSHAL
APPROVED
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C.D. SPECTRUM INC.
2047 GROGAN AVE.
MERCED, CA 95340
(209) 383-7412

O.L.A. 100 PC
30' X 60' CLASSROOM
ELECTRICAL PLAN AND DETAILS

REVISIONS:

BY: RGD
CHK:
DATE: 10/07/88
JOB: PC43R
SHEET: E1

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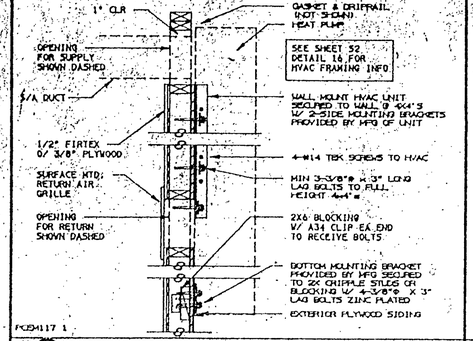
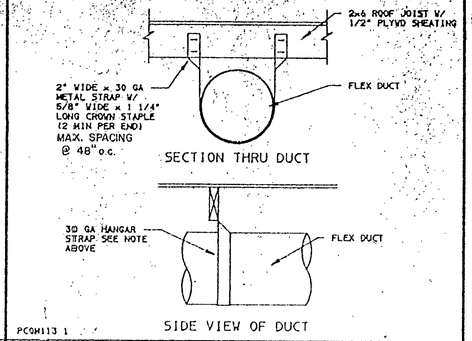
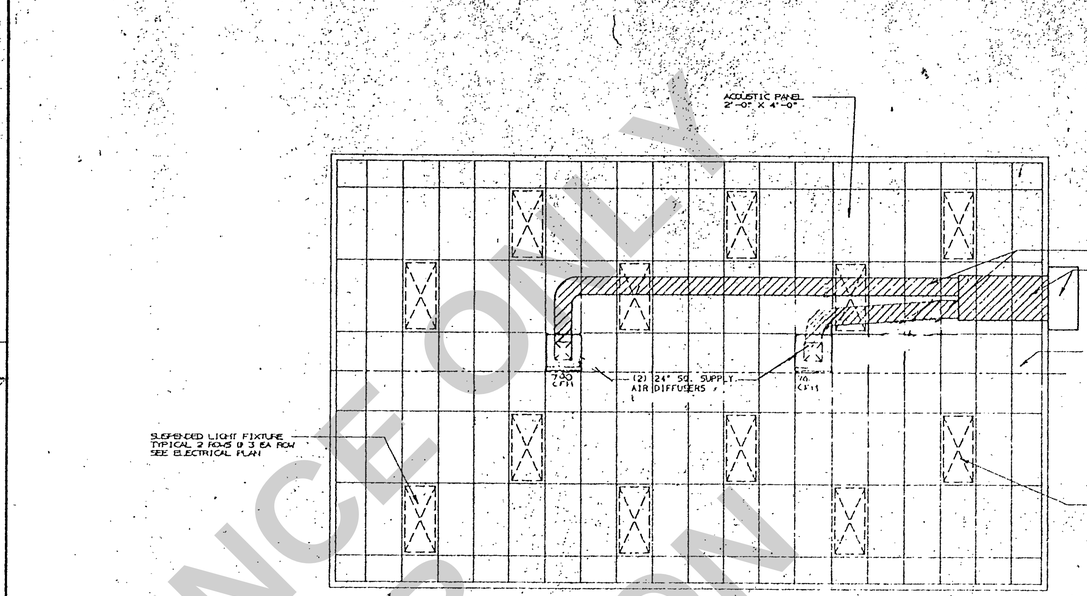


1 HVAC MOUNTING DETAIL 1"=1'-0"



2 FLEX DUCT SUPPORT HANGAR 1"-1'-0"



8 MECHANICAL PLAN 1/4" = 1'-0"

HEATING, VENTILATING AND AIR CONDITIONING

THE CONTRACTOR SHALL PROVIDE A HVAC HEAT PUMP THAT IS TESTED AND APPROVED BY A RECOGNIZED TESTING LABORATORY (UL OR EQUAL). ALL WORK SHALL BE IN FULL ACCORDANCE WITH APPLICABLE EDITIONS OF ASHRAE STANDARDS AND SMACNA STANDARDS

1. HEAT PUMP: SINGLE PACKAGE WALL MOUNTED AIR-TO-AIR ELECTRIC HEAT PUMP. UNIT SHALL BE RATED IN ACCORDANCE WITH ARI STANDARD 240-77.

   REFERENCE BRANDS: BARD 42 WH1-A08CD004
   INTERTHERM PHY-042KAV10B
   MARVAIR AVP 42 HPA-088

ALL UNITS SHALL BE 230/208 VOLT, 1 PHASE SYSTEM, UL APPROVED OR COMPARABLE AND MEET CURRENT ENERGY STANDARDS.

AT LOCATIONS WHERE THE HVAC HEAT PUMP NOTED ABOVE IS NOT ADEQUATE TO MEET THE LISTED CRITERIA, THE CONTRACTOR SHALL PROVIDE A HVAC HEAT PUMP THAT WILL MEET THE GEOGRAPHIC REQUIREMENTS.

A. THE SYSTEM SHALL MAINTAIN AN AUTOMATICALLY CONTROLLED INDOOR CLASSROOM TEMPERATURE OF 78 DEGREES IN SUMMER AND 68 DEGREES F. IN WINTER WITH A 45% RELATIVE HUMIDITY WHEN THE OUTDOOR DRY BULB TEMPERATURE VARIES BETWEEN 100 DEGREES F. IN SUMMER AND 10 DEGREES F. IN WINTER AND A WET BULB TEMPERATURE OF 72 DEGREES F. (AVERAGE).

B. THE SYSTEM MUST MAINTAIN THE ABOVE TEMPERATURES WHEN THE DAMPER IS ADJUSTED TO USE APPROXIMATELY 12 % FRESH AIR.

2. DUCTWORK:

A. CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH U.M.C., ASHRAE GUIDE EQUIPMENT VOLUME AND SMACNA LOW VELOCITY DUCT CONSTRUCTION MANUAL, LATEST EDITIONS. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP WITH VAPOR BARRIER. PROVIDE 1" DUCT ATTENUATION AT ALL DUCTWORK WITHIN 5'-0" OF HVAC UNIT.

B. NON-METALLIC DUCTWORK OPTION: IN ACCESSIBLE CONCEALED PORTIONS OF DUCT SYSTEM RIGID 1" FIBERGLASS OR INSULATED "FLEXDUCT" WITH VAPOR BARRIER MAY BE SUBSTITUTED FOR SHEET METAL DUCTWORK. ALL DUCTWORK WITHIN 5' OF THE HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK AND REINFORCEMENTS SHALL BE DESIGNED FOR 2" STATIC PRESSURE. REFERENCE BRANDS: "OWENS-CORNING FIBERGLASS" DUCT BOARD, 1" THICK, AND "MANVILLE" MICRO-AIRE, TYPE 475. NON-METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND 90-B AND SMACNA CLASS 1 RATING.

3. REGISTERS AND DIFFUSERS: PROVIDE TWO (MIN.) 4-WAY THROW AIR DIFFUSERS AS MANUFACTURED BY CARNES, TITUS, HART & COOLEY, BARBER-COLEMAN OR KRUEGER COMMERCIAL GRADE GRILLES AND REGISTERS.

4. THERMOSTAT: PROVIDE WHITE RODGERS 1F32 ELECTRONIC PROGRAMMABLE THERMOSTAT WITH THE FOLLOWING FUNCTIONS:

   1. 5 AND 2 WEEKDAY/WEEKEND PROGRAMMING WITH 4 SEPARATE TIME/TEMPERATURE SETTINGS PER 24-HOUR PERIOD.
   2. KEY BOARD LOCKOUT SWITCH.
   3. PROGRAMMABLE DISPLAY.
   4. 2-HOUR OVERRIDE MINIMUM
   5. STATUS INDICATED LEDs.
   6. BATTERY BACK-UP.

PROVIDE LOCKING CLEAR THERMOSTAT COVER WITH ACCESS HOLE FOR PROGRAM OVERRIDE.

7 FIBERGLASS DUCT SEISMIC BRACE 1"-1'-0"

12 FIBERGLASS DUCT HANGAR STRAP 1 1 0

NOTE: INSULATE WITH 1" DUCT INSULATION.

KRUEGER 5380 CEILING DIFFUSER.
ADJUSTABLE FOUR-WAY AIR PATTERN
WHITE EXTERIOR FINISH TO MATCH CEILING TEE GRID.
DIFFUSER AND PLENUM BOX DESIGNED FOR MOUNTING ON A T-BAR CEILING GRID.
PCOH117 1

17 HBCH DIFFUSER PLENUM GRILLE 1 1 0

NOTES:

FACTORY-MADE AIR DUCTS: Factory-made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 10-1. Each portion of a factory-made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliance with U.M.C. Standard No. 10-1 and its CLASS DESIGNATION. These ducts shall be listed and shall be installed in accordance with the terms of their listing.

Insulation applied to the exterior surface of ducts located in buildings shall have a flame spread of not more than 25 and a smoke developed rating of not more than 50 when tested as a composite installation including insulation, facing materials, tapes and adhesives as normally applied.

Material exposed within ducts or plenums shall have a flame-spread rating of not more than 25 and a smoke-developed rating of not more than 50.

OFFICE OF STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any omissions or deviation from applicable regulations. Final approval is subject to field inspection.
One set of approved plans shall be available on the project site at all times.
Reviewed by: JW 10-1-90

ARCHITECT OF RECORD:

DU PERTUIS and HESSE
Architects - Planners
3070 "G" St., Merced, CA 95340
Phone 722-3346

REGISTERED PROFESSIONAL ENGINEER JOHN THOMAS HESSE No. M 18320 MECHANICAL STATE OF CALIFORNIA

OSA STRUCTURAL SAFETY

OSA ACCESS COMPLIANCE

OLA APPROVAL

STATE FIRE MARSHAL

OFFICE OF STATE FIRE MARSHAL
APPROVED
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One set of approved plans shall be available on the project site at all times.
Reviewed by:

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Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54412 Inc # 0
Backchecked By

STATE OF CALIF. Department of General Services
OCT - 9 1990
Office of the State Structural Safety

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C.D. SPECTRUM INC.
2047 GROGAN AVE.
MERCED, CA. 95340
(209) 384-7412

O.L.A. 100 PC
26' X 60' CLASSROOM
MECHANICAL PLAN AND RELATED DETAILS

REVISIONS:

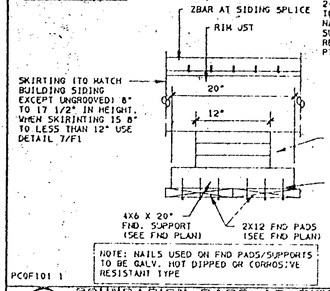
BY RGO
CHK.
DATE 10/10/88
JOB RC43 R.2
SHEET M1

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

MCSD BID# 2024-5 04/02/2025
Addendum No. 2

SEE 9/F1 FOR ADDITIONAL DETAIL

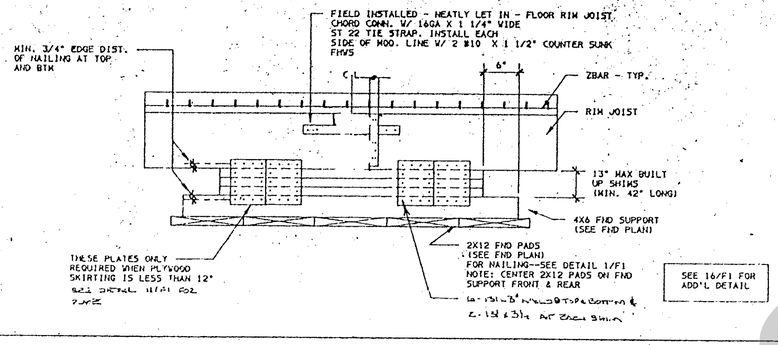
STACKED BUILT-UP SHIMS: 1X, 2X, 4X OR PLYWOOD WITH EXTERIOR GLUE. MIN. 5 1/2"X12" L SHIMS TO ADJUST HEIGHT FOR SLOPE IN GRADE ELEVATION. MIN. 2-10d OR .131"X3" NAIL TO EACH SHIM AND 2 TOE-NAILS EACH SIDE AT 4X SUPPORT (SHIMS MAY BE REDWOOD, CEDAR, OR PT DF.



NOTE: NAILS USED ON FND PADS/SUPPORTS TO BE GALV. HOT DIPPED OR CORROSIVE RESISTANT TYPE

PCOF101 1

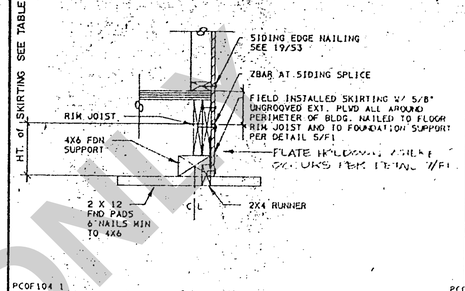
1 FOUNDATION PADS AT SIDEWALLS TYPICAL 1"=1'-0"



SEE 16/F1 FOR ADD'L DETAIL

PCOF102 1

2 FOUNDATION AT MOD LINE BEAM SUPPORT / ENDWALLS 1"=1'-0"



PCOF104 1

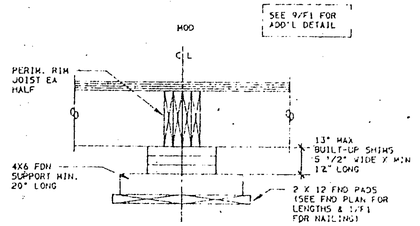
4 SKIRTING DETAIL - TYPICAL 1"=1'-0"

HEIGHT OF SKIRTING	.131 X 2 1/2" NAIL SPACING
LESS THAN 12"	6" OC ALL HORIZ EDGES
GREATER THAN 12"	3" OC ALL EDGES

NOTE: FOR PLYWOOD JOINTS NOT AT FOUNDATION SUPPORTS, A 2X4 LAID FLAT CAN BE INSTALLED AT PLYWOOD JOINTS & WILL BE NAILED TO APPROPRIATE SKIRTING NAILING SCHEDULE.
2 10d TOE NAILS EACH OF 2x4 FLAT SEE 8/F1

PCOF105 3

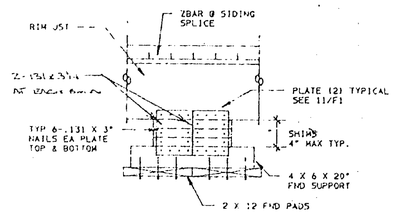
5 SKIRTING NAILING SCHEDULE



CENTER 2X12 PADS ON FOUNDATION SUPPORT - TYP AT ALL SUPPORTS. CUT ENDS OF PT PADS TO BE TREATED W/ PENTACHLOROPHENOL OR CUPRINOL.

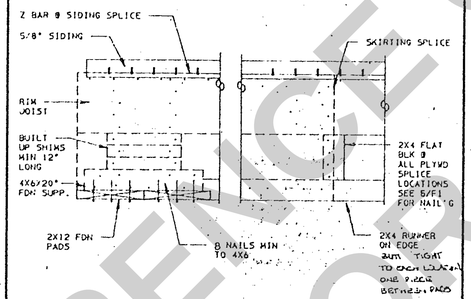
PCOF106 1

6 FOUNDATION INTERIOR SUPPORTS AT MOD-LINE 1"=1'-0"



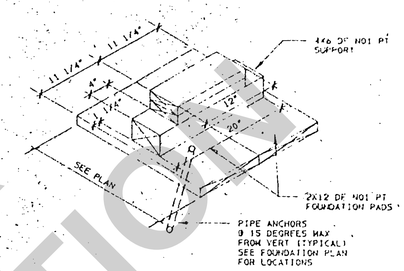
PCOF107 1

7 FOUNDATION AT SIDEWALL 1"=1'-0"



PCOF108 1

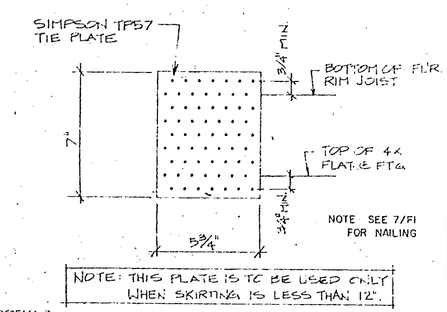
8 SKIRTING HOLDOWN 1"=1'-0"



PCOF109 1

9 BUILT UP FOUNDATION PAD/SIDEWALL 1"=1'-0"

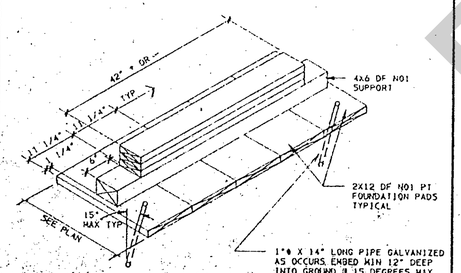
10



NOTE: THIS PLATE IS TO BE USED ONLY WHEN SKIRTING IS LESS THAN 12".

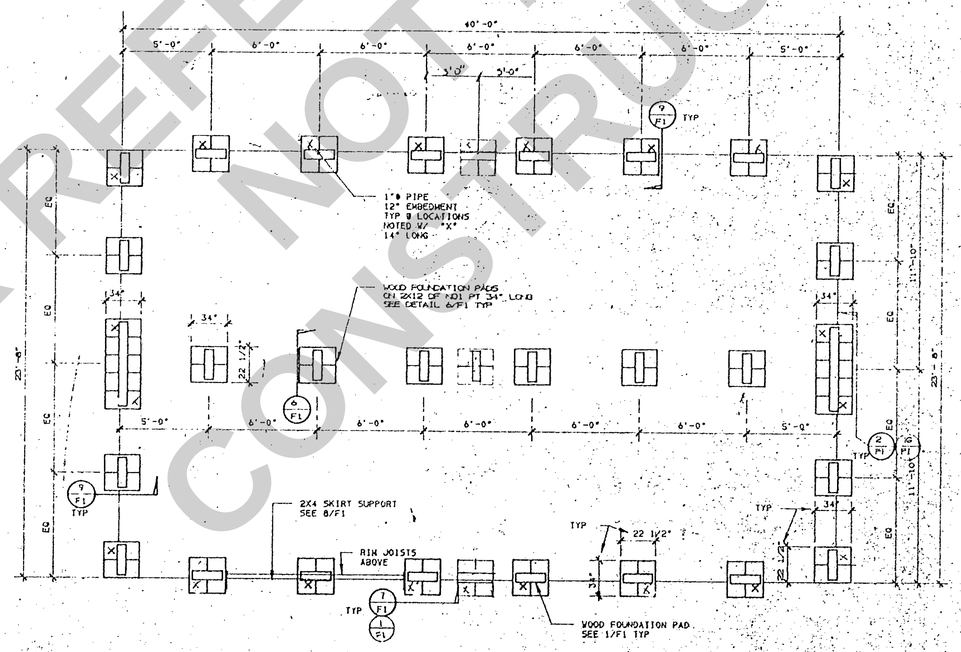
PCOF111 3

11 TYPICAL TIE PLATE 3"=1'-0"



PCOF116 3/4

16 BUILT UP FOUNDATION PAD/ENDWALL 3/4"=1'-0"



PCOF117 1/4

17 FOUNDATION PLAN 1/4" = 1'-0"

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C.D. SPECTRUM INC.
2047 GROGAN AVE
MERCED, CA 95340
(209) 383-7412

ARCHITECT OF RECORD

DU PERTUIS and HESSE
Architects - Planners
3070 "O" St., Merced, CA 95340
Phone 722-3346

ENGINEER OF RECORD

OSA, STRUCTURAL SAFETY OSA ACCESS COMPLIANCE

OLA APPROVAL

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Department of General Services
Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 54113
Backchecked By

STATE OF CALIF.
Department of General
OCT - 9 1990
Office of the State
Structural Safety

20 RECORD OF APPROVALS

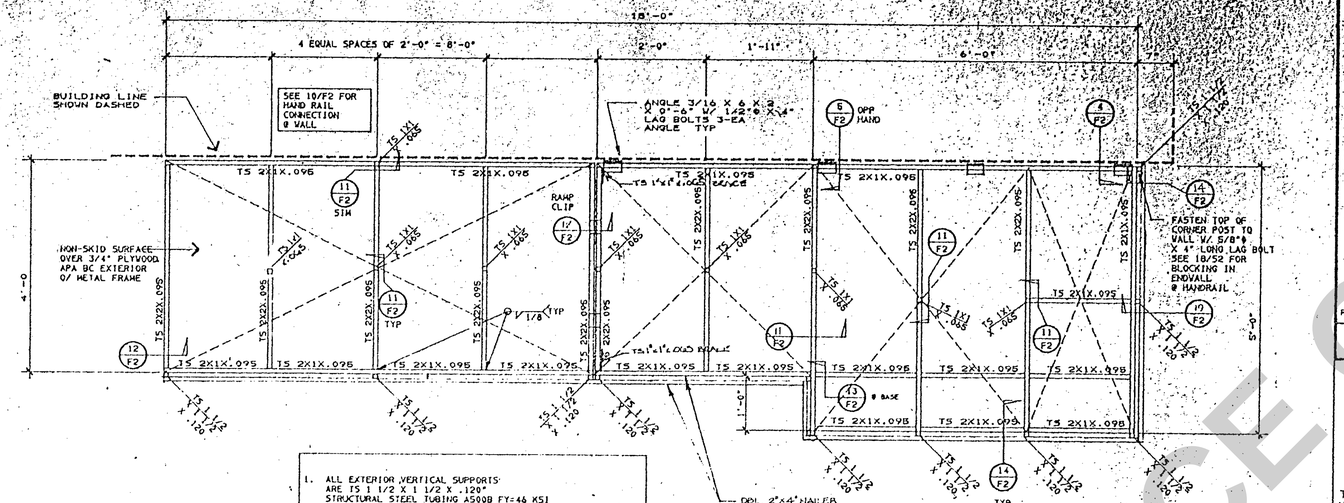
O.L.A. 100
24' X 40' CLASSROOM
FOUNDATION PLAN AND DETAILS

REVISIONS:

BY: RGQ
CHK:
DATE: 10-11-89
JOB: P43R
SHEET:
F1

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

UCSS-BIDS-2024-5 - 04/02/2025
Addendum #1

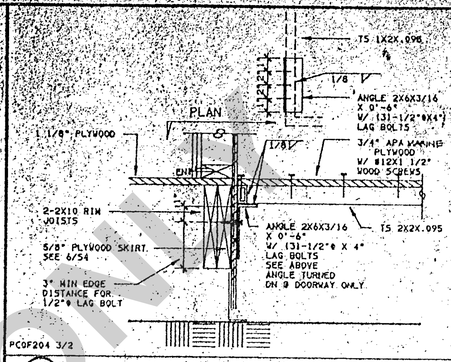


1. ALL EXTERIOR VERTICAL SUPPORTS ARE TS 1 1/2 X 1 1/2 X .120" STRUCTURAL STEEL TUBING A500B FY=46 KSI
2. ALL INTERIOR VERTICAL SUPPORTS ARE TS 1X1X.065 STRUCTURAL STRUCTURAL STEEL TUBING A500B FY=46 KSI
3. ALL HORIZONTAL MEMBERS ARE TS 1X2 X .095 OR TS 2X2 X .095 STRUCTURAL STEEL TUBING A500B FY=46 KSI
4. ALL HORIZONTAL HAND RAIL MEMBERS ARE TS 1X2 X .095
5. RAMP SHALL HAVE NON-SKID SURFACE OVER RAMP AND LANDING DECKING SHALL BE 3/4" APA MARINE PLYWD ATTACHED W/ #12 X 1 1/2" SDS RECESSED 1/4" INTO PLYWOOD @ 6" OC SHEET EDGES, 10"OC INTERMEDIATE. SEAL ALL SIDES.

SPAN INDEX = 48/24

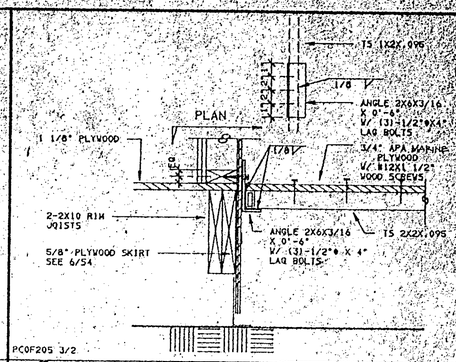
PCOF206 3/4

(6) PLAN VIEW / HANDICAPPED ACCESS RAMP 3/4" = 1'-0"



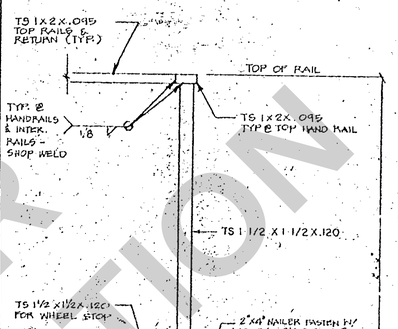
PCOF204 3/2

(4) LANDING CORNER AT DOORWAY

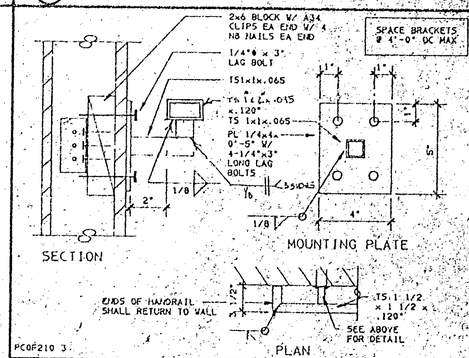


PCOF205 3/2

(5) LANDING / RAMP DETAIL AT WALL

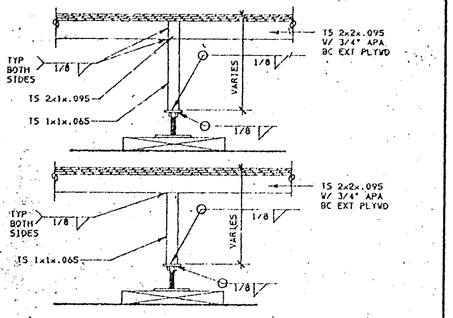


(14) HANDRAIL AT POST DETAIL 1 1/2" = 1'-0"



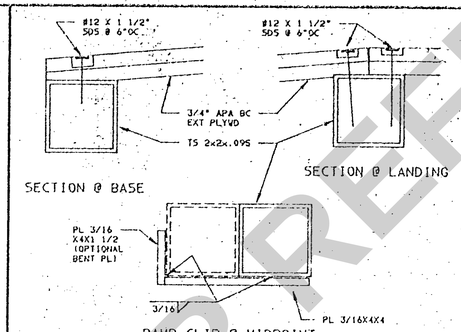
PCOF210 3

(10) HANDRAIL TO WALL 3" = 1'-0"



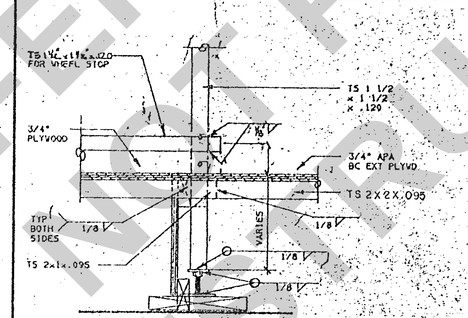
PCOF211 3/2

(11) RAMP BASE SUPPORT 3/2" = 1'-0"



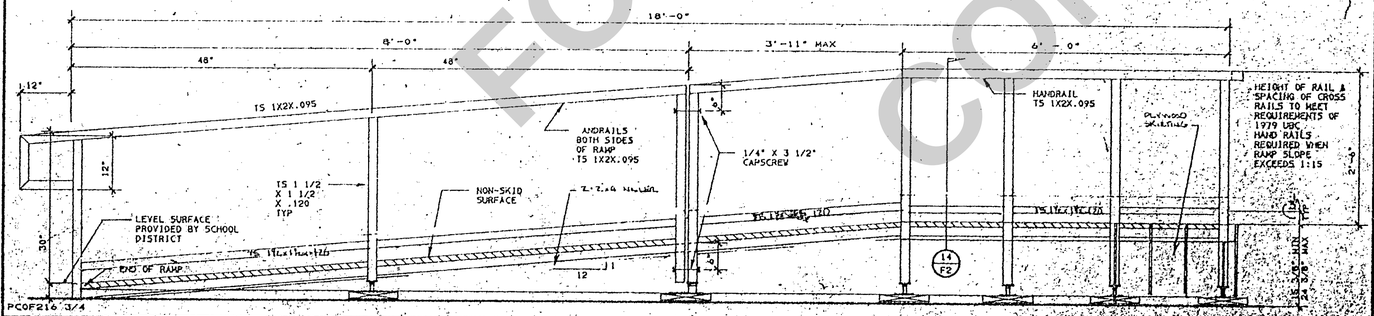
PCOF212 6

(12) RAMP DETAIL - FLOOR 1 1/2" = 1'-0"



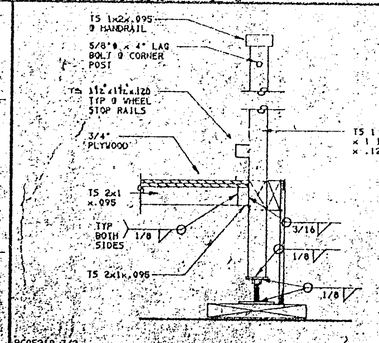
PCOF213 3/2

(13) BASE OF HANDRAIL 1 1/2" = 1'-0"



PCOF216 3/4

(16) ELEVATION 12'-0" ACCESS RAMP WITH RAILS 3/4"=1'-0"



PCOF219 3/2

(19) TYP POST DETAIL 1 1/2" = 1'-0"

OFFICE OF STATE FIRE MARSHAL

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Reviewed by: _____ 5-3-89

ARCHITECT OF RECORD

DU PERTUIS and HESSE
Architects / Planners
3070 "G" St. Merced, CA 95340
Office Phone 722-3148 Merced, CA

ENGINEER OF RECORD

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Reviewed by XW 10-1-90

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Office of the State Architect
APR 1989
Structural Safety Section
Appl. # 5-1162
Rechecked by

OSA ACCESS COMPLIANCE

OLA APPROVAL

52000 SW 02 89

STATE FIRE MARSHAL

OFFICE OF STATE FIRE MARSHAL

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Office of the State Architect
OCT - 5 1990
Structural Safety Section
Appl. # 5-1162 Rechecked by XW 10-1-90

STATE OF CALIF. Department of General Services
OCT - 9 1990
Office of the Structural Safety

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2047 GROGAN AVE.
MERCED, CA 95340
(209) 385-7412

O.L.A. 100 PC
24' x 40' CLASSROOM
ACCESS RAMP AND DETAILS

REVISIONS:

BY: RGD
O.K.
DATE 10/07/88
JOB # PC43R
SHEET F2

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

MCSD BID# 2024-5 Construction
Addendum No. 2

MERCED CITY ELEMENTARY SCHOOL DISTRICT

1996 RELOCATABLES

SYMBOLS

DESCRIPTION	SYMBOL
BUILDING SECTION	1/A3.1
WALL SECTION	1/A3.1
ELEVATION DETAIL	2/A2.1
SECTION DETAIL	3/A6.1
FINISH ELEVATION	PLAN ⏚ 90'-6" ELEVATION ⏚ T.O. FLOOR 100'-0"
ELEVATIONS	INTERIOR 32/A4.2 EXTERIOR 2/A2.1
DETAIL	2 detail A1.2, A5.1 SCALE — CROSS REFERENCE OF SHEETS IS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. APPLICATION OF DETAILS IS NOT NECESSARILY LIMITED TO THE SHEETS REFERENCED
ACCESSORY	C
WINDOW TYPES	A
WALL TYPES	29
FRAME TYPES	E
DOOR NUMBER	123
GRAPHICS	6-21
KEYNOTES	28
REVISIONS	AD=ADDENDUM FO=FIELD ORDER CO=CHANGE ORDER

GENERAL NOTES

MATERIAL		MATERIAL	
EARTH		INSULATION	
ASPHALT PAVING		RIGID INSULATION	
COMPACTED GRANULAR FILL		GYPSUM BOARD	
CONCRETE		ACOUSTIC TILE	
CONCRETE MASONRY UNITS		GLU-LAMINATE BEAM	
BRICK		PLASTER & METAL LATH	
STEEL		GLASS	
CONTINUOUS WOOD		TILE	
WOOD BLOCKING		FINISH WOOD	
PLYWOOD		ALUMINUM	
PARTICLE BOARD		WOOD STUD WALL	

ABBREVIATIONS

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AC	ACOUSTIC	MANUF	MANUFACTURER
ABS	ACRYLONITRILE-BUTADIENE-STYRENE	MB	MARKER BOARD
ALT	ALTERNATE	MO	MASONRY OPENING
ALUM	ALUMINUM	MAX	MAXIMUM
AB	ANCHOR BOLT	MTL	METAL
L	ANGLE	MIN	MINIMUM
BSMT	BASEMENT	MISC	MISCELLANEOUS
BRG	BEARING	(N)	NEW
BM	BENCH MARK	NIC	NOT IN CONTRACT
B.O.	BOTTOM OF	NTS	NOT TO SCALE
BLDG	BUILDING	O/C	ON CENTER
CLG	CEILING	OPNG	OPENING
℄	CENTER LINE	OPP	OPPOSITE
CT	CERAMIC TILE	OD	OUTSIDE DIAMETER
CB	CHALKBOARD	PART BD	PARTICLE BOARD
C	CHANNEL	PARTN	PARTITION
CO	CLEAN OUT	d	PENNY
COL	COLUMN	PL	PLATE
CONC	CONCRETE	PLYWD	PLYWOOD
CMU	CONCRETE MASONRY UNIT	PVC	POLYVINYL CHLORIDE
CONT	CONTINUOUS	QT	QUARRY TILE
DIM	DIMENSION	RAD	RADIUS
DS	DOWNSPOUT	REF	REFRIGERATOR
DWG	DRAWING	REINF	REINFORCE
EA	EACH	REV	REVISION
ELECT	ELECTRICAL	RD	ROOF DRAIN
EWC	ELECTRIC WATER COOLER	RO	ROUGH OPENING
ELEV	ELEVATION	Ø	ROUND
EQ	EQUAL	SCHED	SCHEDULE
EXIST (E)	EXISTING	SIM	SIMILAR
EXP	EXPANSION	SPEC	SPECIFICATION
EXT	EXTERIOR	SQ	SQUARE
FIN	FINISH	SS	STAINLESS STEEL
FEC	FIRE EXTINGUISHER CABINET	STD	STANDARD
FLR	FLOOR	STOR	STORAGE
FD	FLOOR DRAIN	STRUCT	STRUCTURAL
FTG	FOOTING	SUSP	SUSPENDED
FDN	FOUNDATION	TB	TACKBOARD
GALV	GALVANIZED	TEL	TELEPHONE
GI	GALVANIZED IRON	TV	TELEVISION
GA	GAUGE	T.S.	TUBE STEEL
GYP BD	GYPSUM BOARD	THRES	THRESHOLD
HDWD	HARDWOOD	TOIL	TOILET
HT	HEIGHT	T.O.	TOP OF
HM	HOLLOW METAL	T & B	TOP AND BOTTOM
HORIZ	HORIZONTAL	TYP	TYPICAL
ID	INSIDE DIAMETER	VERT	VERTICAL
INSUL	INSULATION	U.N.O.	UNLESS NOTED OTHERWISE
INT	INTERIOR	WC	WATER CLOSET
JT	JOINT	WWF	WELDED WIRE FABRIC
KD	KNOCK DOWN	FL	WIDE FLANGE
KO	KNOCK OUT	WDO	WINDOW
LLV	LONG LEG VERTICAL	W/	WITH
		W/O	WITHOUT
		WD	WOOD

SCOPE OF WORK

THE PROJECT CONSISTS OF BUILDING PAD PREPARATION AND SITE WORK FOR 33 RELOCATABLE CLASSROOMS AT 11 ELEMENTARY SCHOOL SITES

WORK SEQUENCE:
THE RELOCATABLE CLASSROOMS ARE TO BE DELIVERED TO THE SCHOOL SITES BEGINNING IN NOVEMBER. THE CLASSROOMS WILL BE DELIVERED AT A RATE OF 6 TO 8 PER MONTH. THE BUILDING PAD PREPERATION AND SITE ACCESS WORK MUST BE COMPLETED BEFORE THE ARRIVAL OF THE RELOCATABLE CLASSROOMS. THE SIDEWALKS, RAMPS, FINISH GRADING AND ALL OTHER WORK MUST BE COMPLETED ON OR BEFORE 21 CALENDAR DAYS AFTER THE BUILDINGS HAVE BEEN PLACED AT THE SITE. THEREFORE, EACH SCHOOL SITE MAY HAVE A DIFFERENT COMPLETION DATE. SEE VICINITY MAP FOR THE PRIORITY OF SITE INSTALLATIONS.

GENERAL NOTES

1. REMOVE EXISTING LANDSCAPE IRRIGATION SYSTEM FOR INSTALLATION OF NEW RELOCATABLES.
2. RELOCATE AND PROVIDE NEW IRRIGATION SYSTEMS AS REQUIRED TO MAINTAIN EXISTING LAWN AREAS.
3. CONTRACTOR TO REMOVE ALL VEGITATION AND 4 INCHES OF TOP SOIL AT LOCATION OF ENGINEERED FILL.
4. CONTRACTOR TO REPAIR ALL ITEMS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION.
5. OFFHAUL VEGITATION AND EXCESS TOP SOIL
6. CONTRACTOR TO VERIFY (E) ELEVATIONS AND NOTIFY ARCHITECT (T) SEVEN DAYS PRIOR TO START OF CONSTRUCTION AT EACH SITE.
7. REGRADE AND SEED DAMAGED LAWN AREAS.
8. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING PAD. DO NOT INTERUPT EXISTING NATURAL SITE DRAINAGE.
9. CONTRACTOR TO REMOVE AND REPLACE EXISTING CHAIN LINK FENCE AS REQUIRED FOR ACCESS OF RELOCATABLE CLASSROOMS TO NEW BUILDING PAD LOCATIONS.

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E1	ELECTRICAL PLAN, DETAILS & NOTES

APPLICABLE CODES

APPLICABLE CODES:

1) 1995 BUILDING STANDARD ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2) 1995 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
3) 1995 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
4) 1995 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
5) 1995 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
6) 1995 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
7) 1995 CALIFORNIA REFERENCED STANDARD CODE, PART 12, TITLE 24 C.C.R.
8) 1990 TITLE 19, C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

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2100 19th STREET
SACRAMENTO, CALIFORNIA 95818
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ELETRICAL

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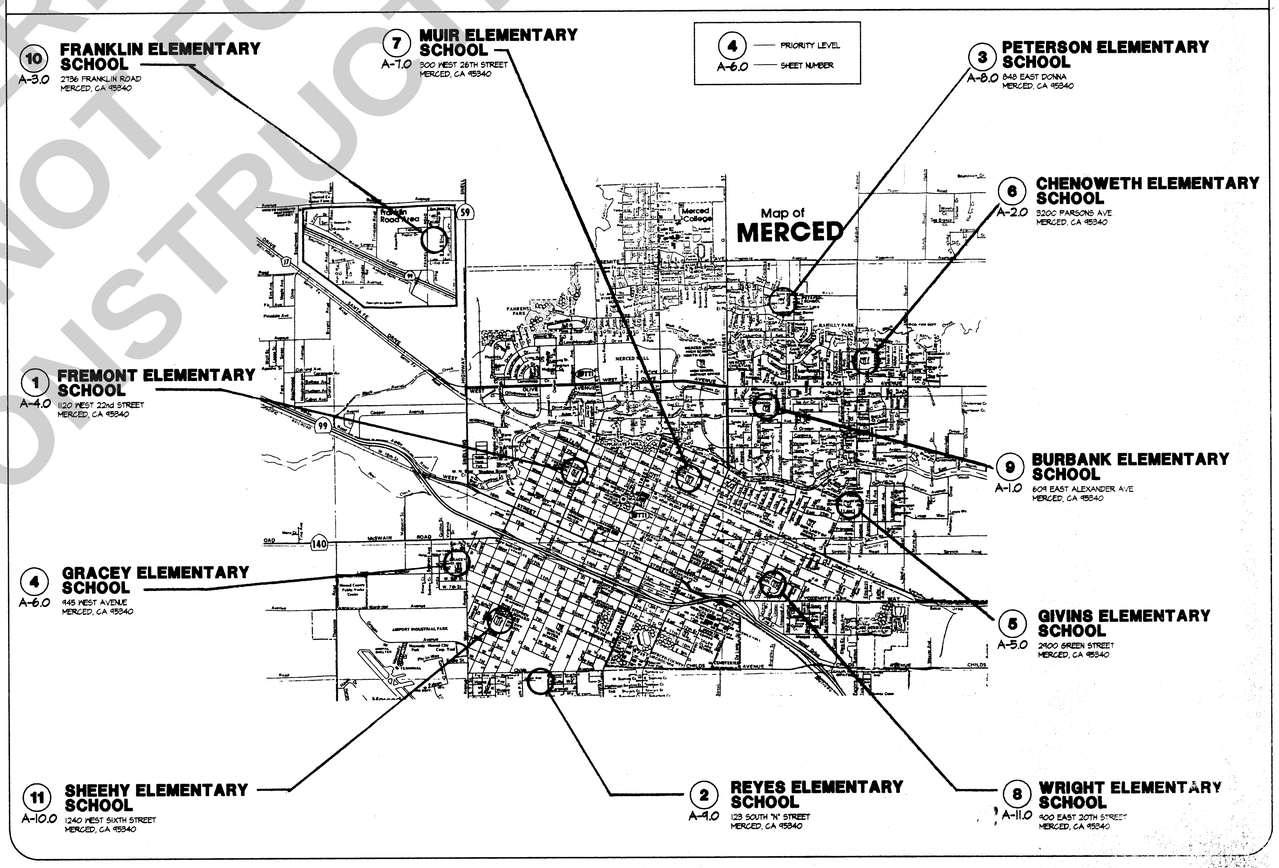
MODESTO, CALIFORNIA 95354
(209) 575-0812

VICINITY MAP



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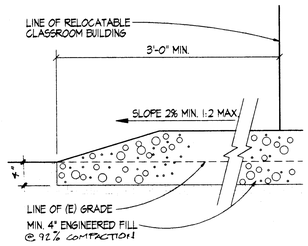

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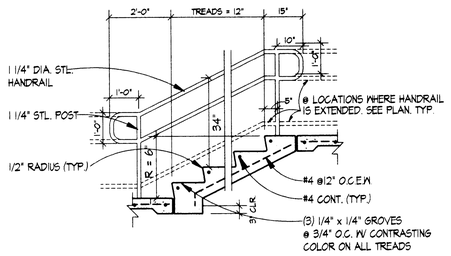

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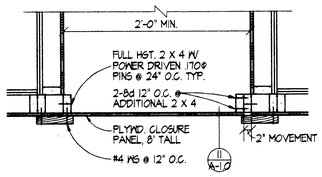

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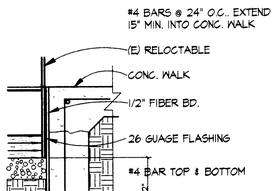

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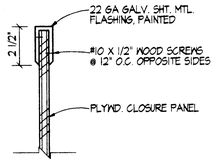

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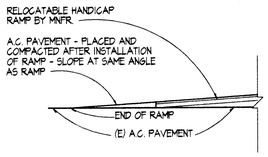

5 END OF RAMP
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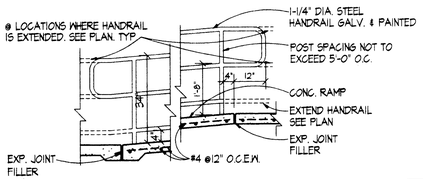

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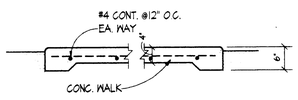

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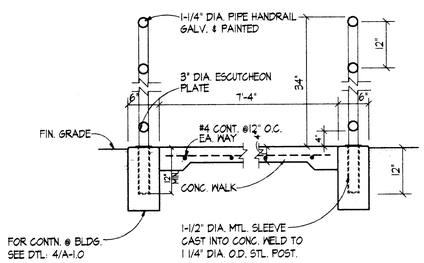

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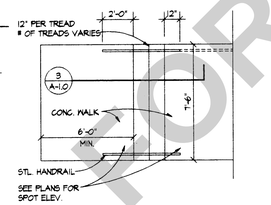

7 ENLARGED PLAN
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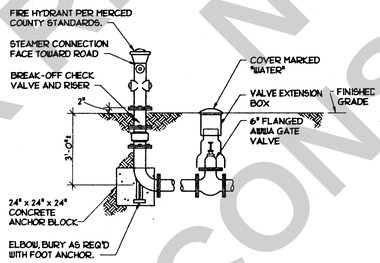

7A FIRE HYDRANT
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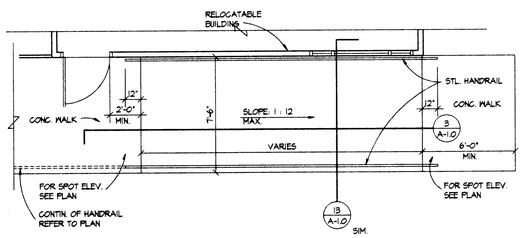

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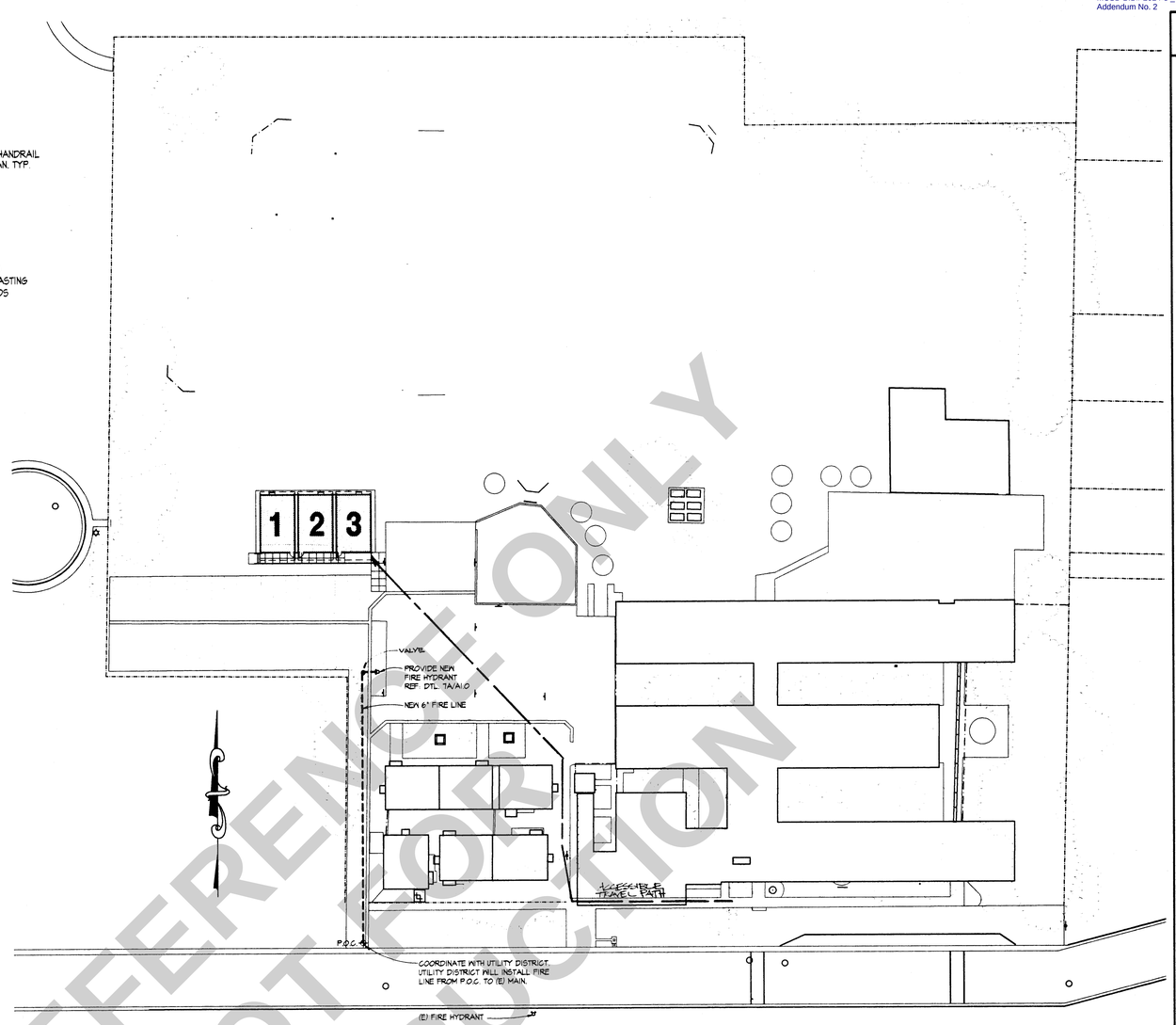

1 SITE PLAN
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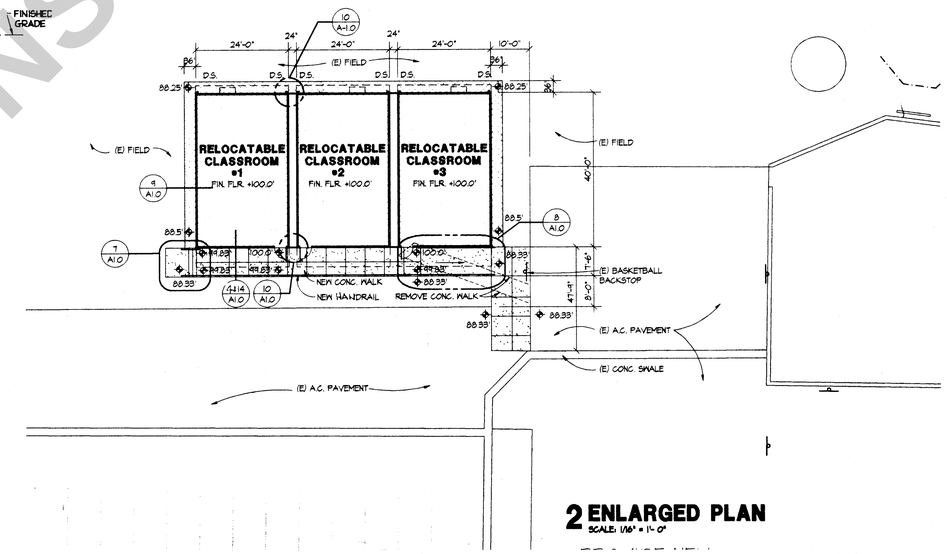

2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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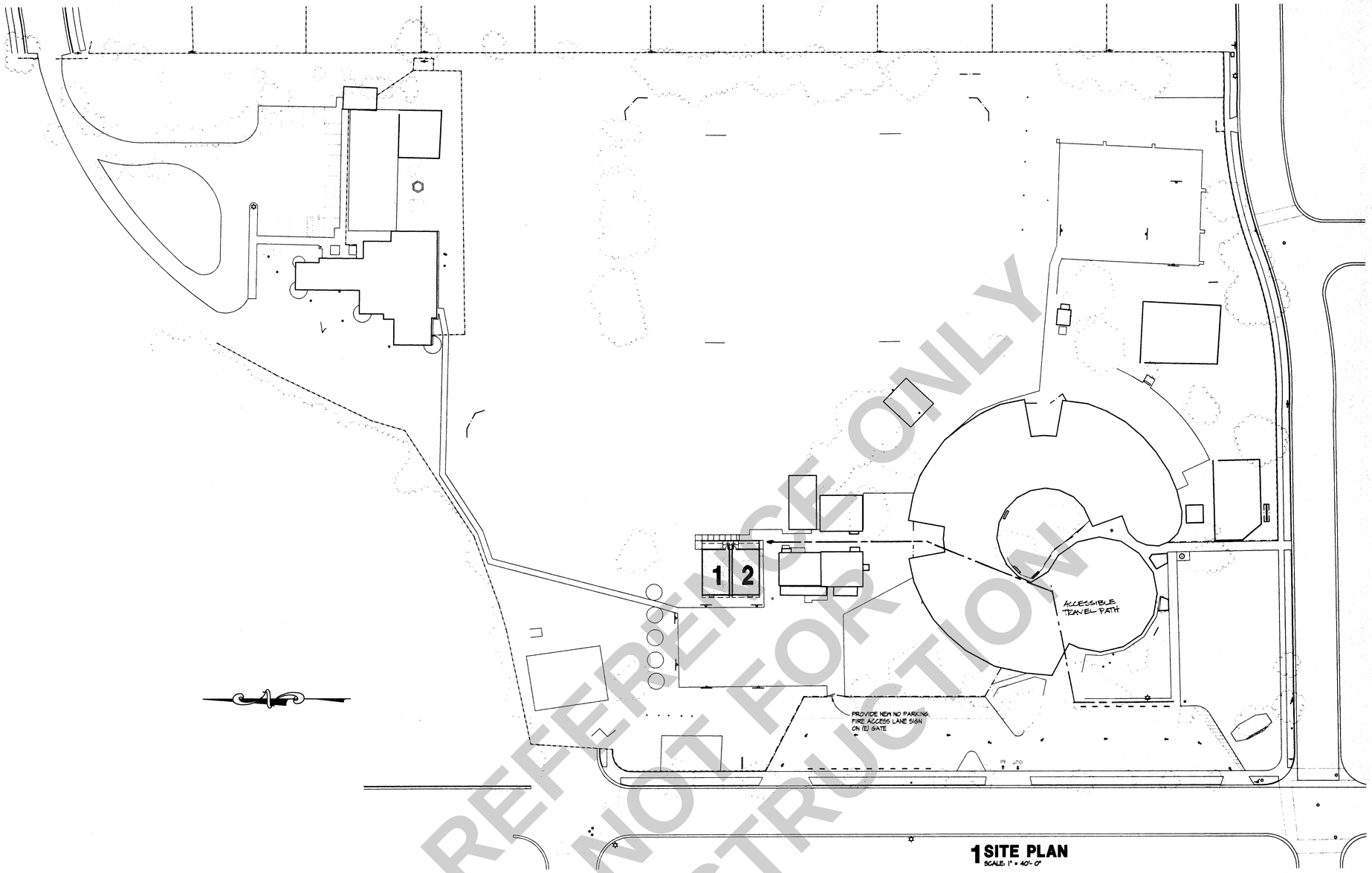

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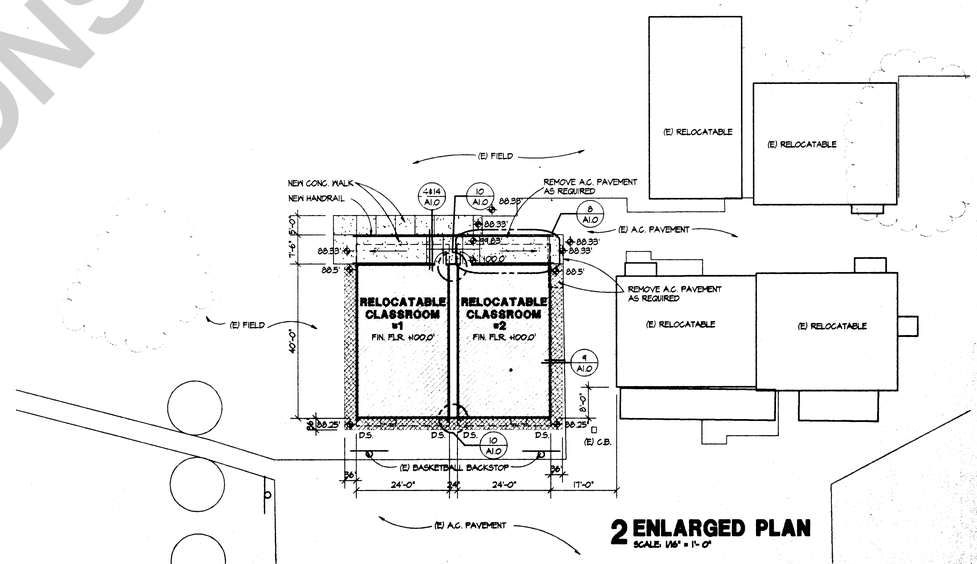

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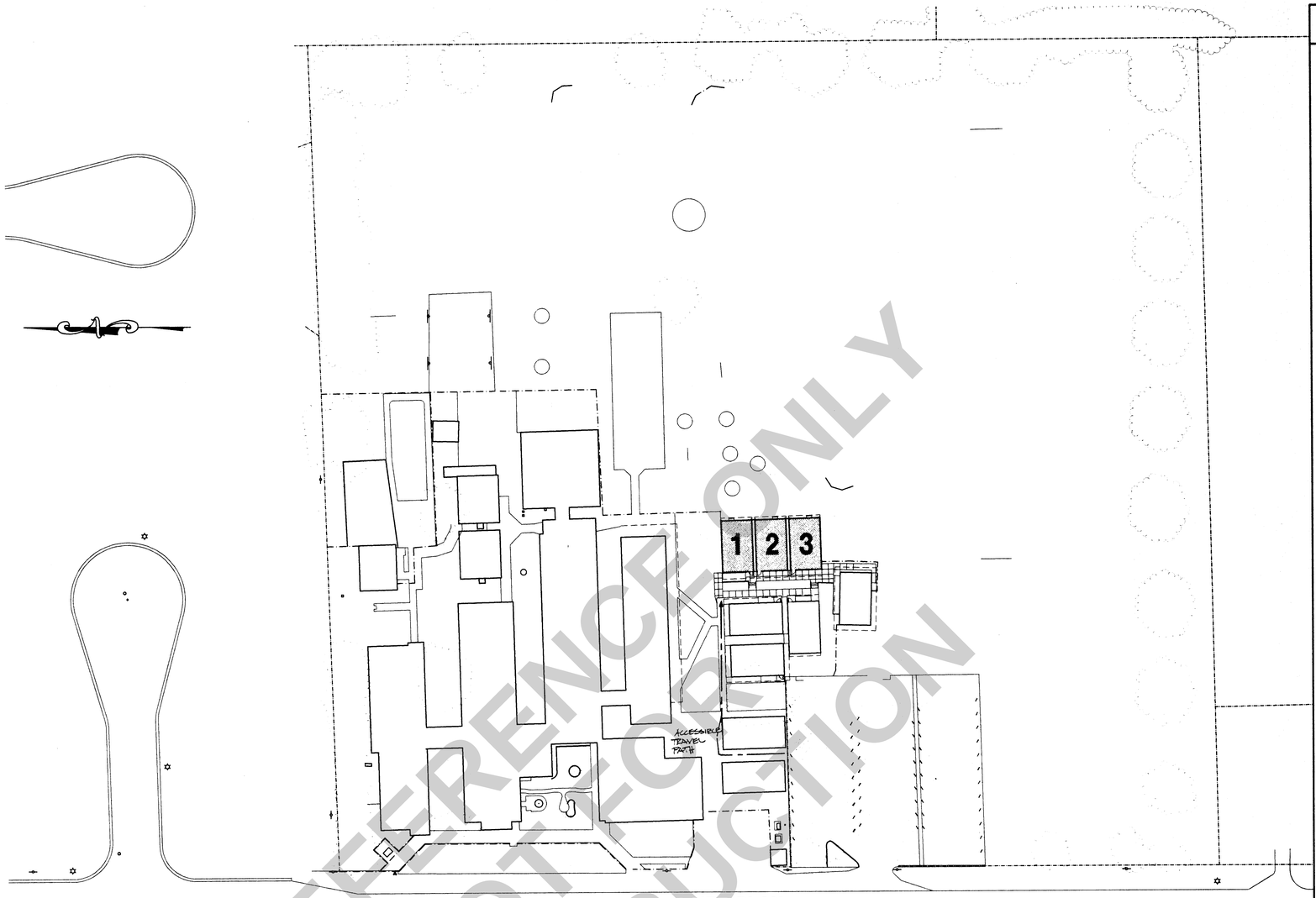

1 SITE PLAN
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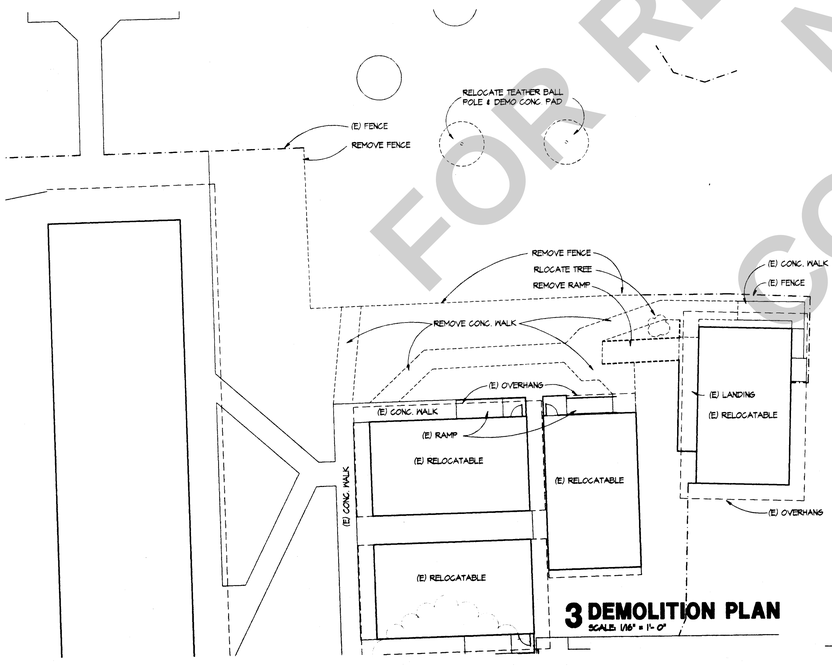

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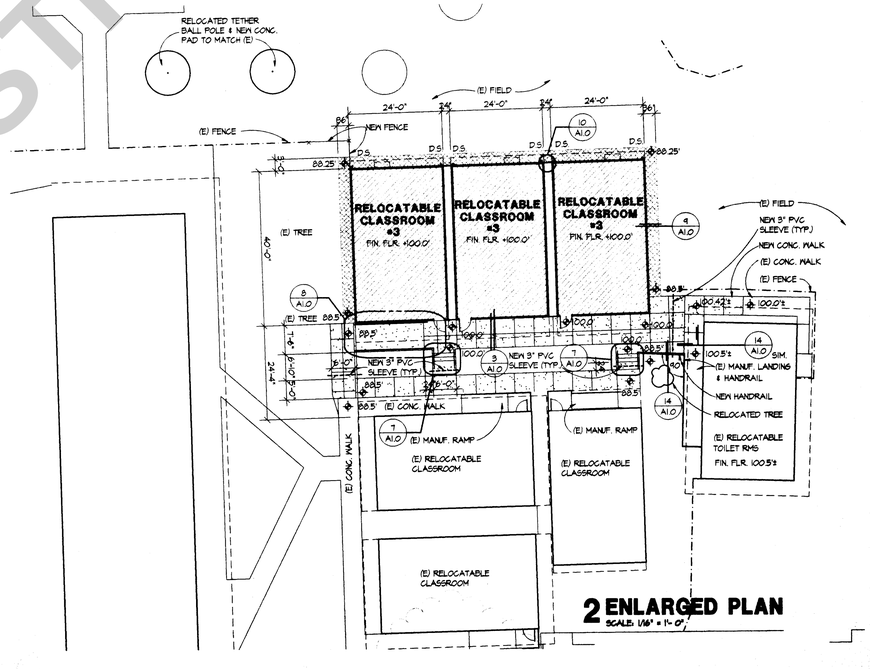

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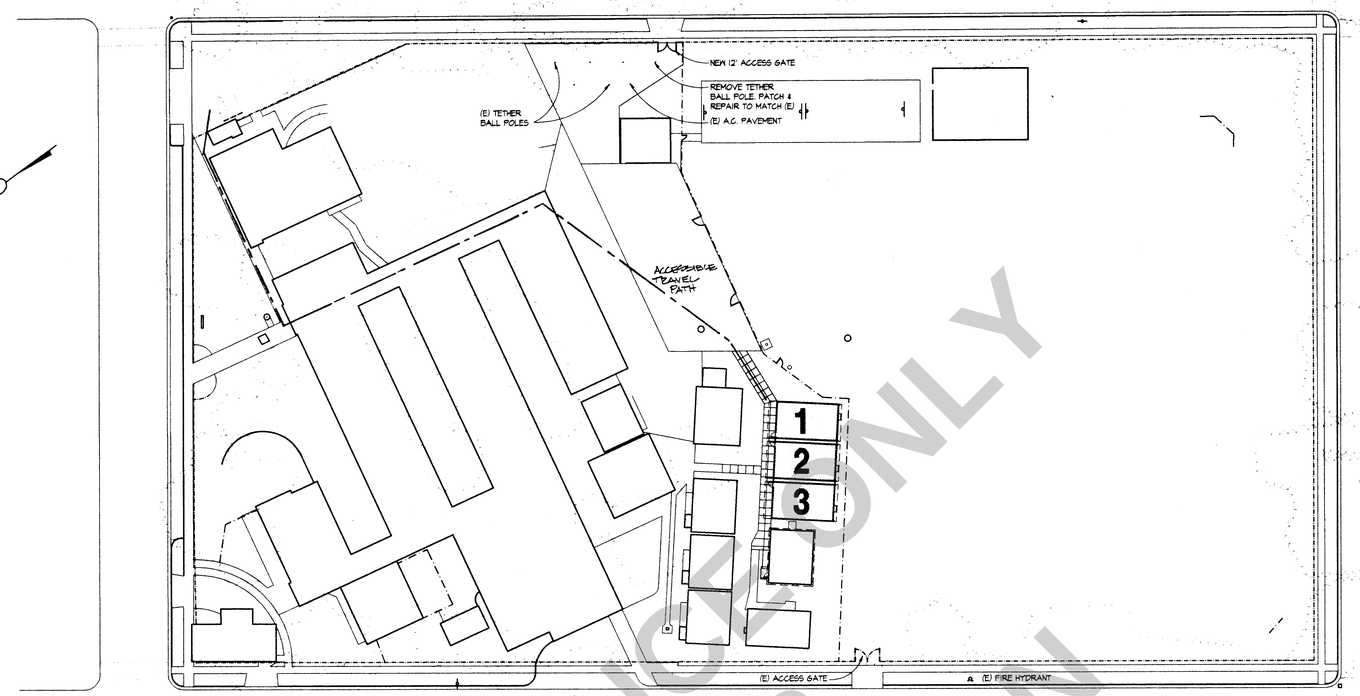

1 FREMONT ELEMENTARY SITE PLAN
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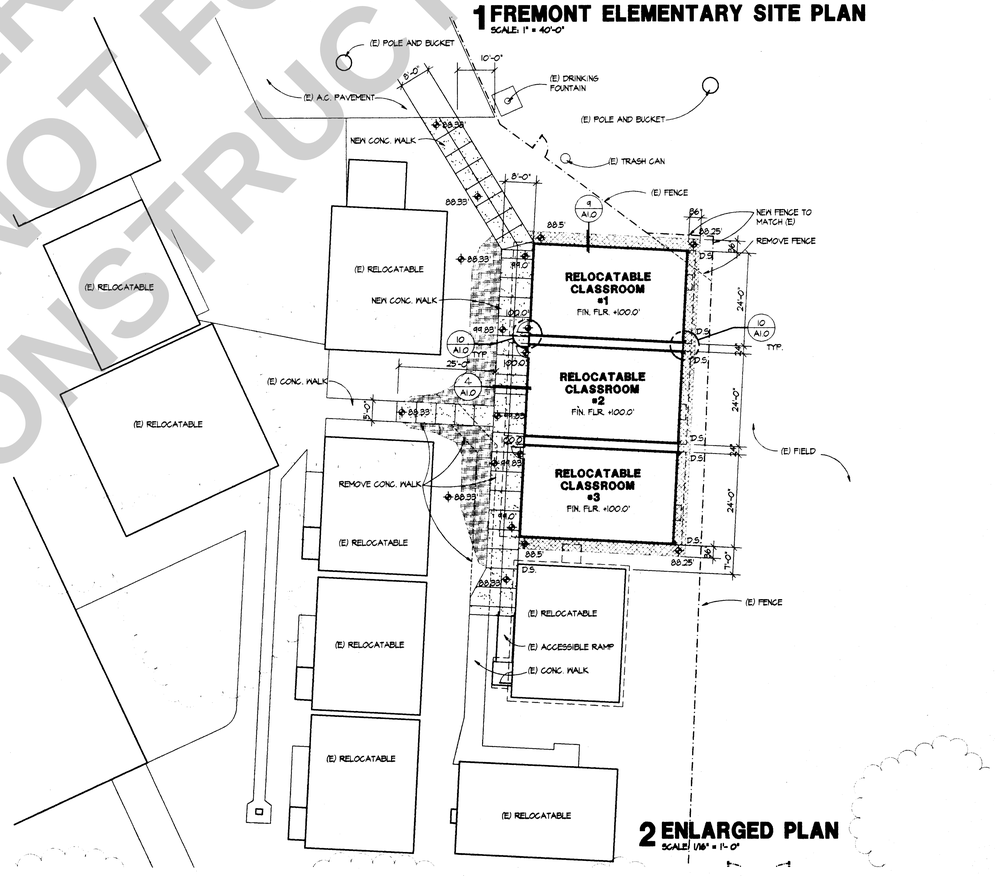

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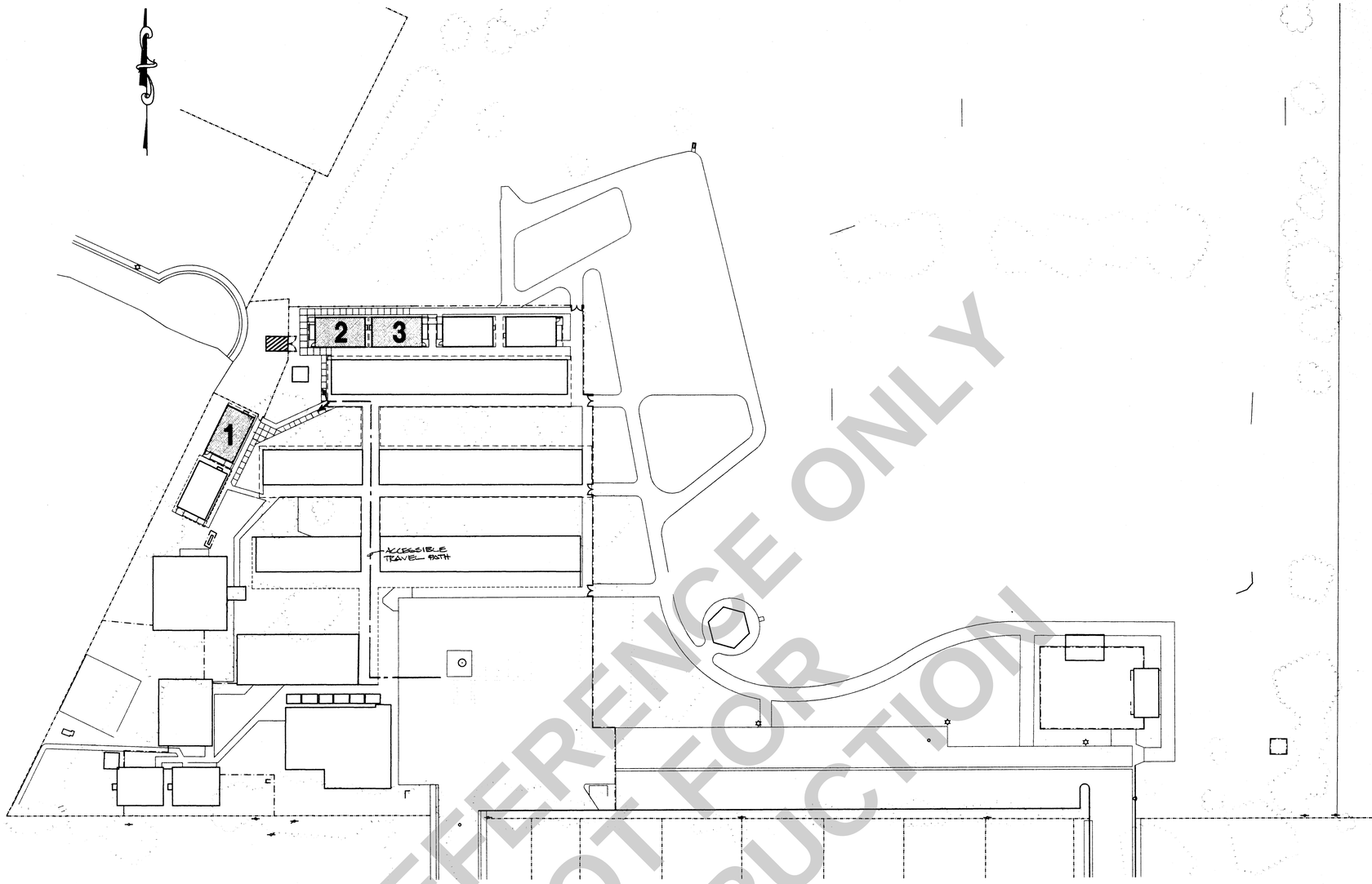

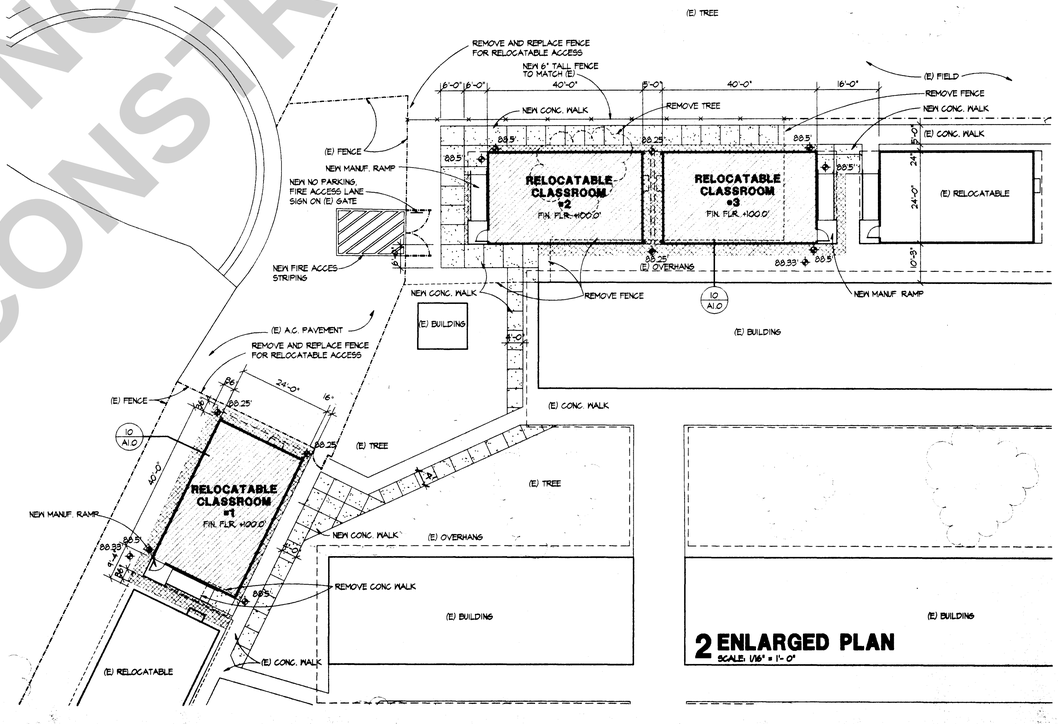

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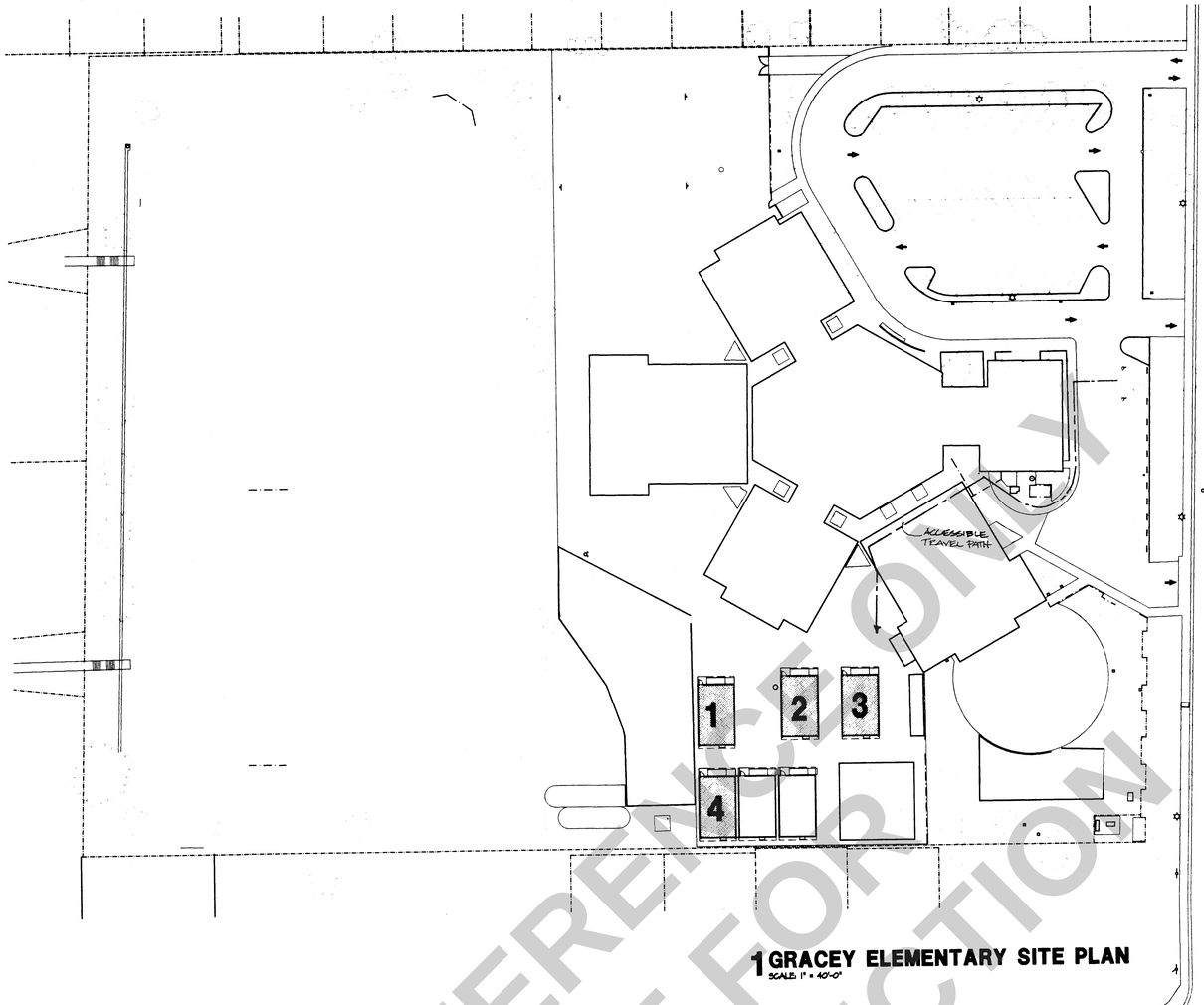

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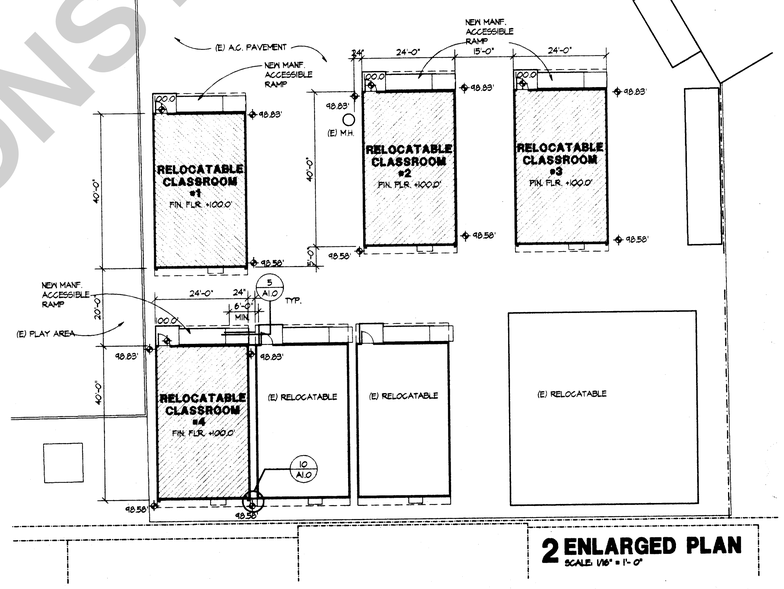

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GRACEY

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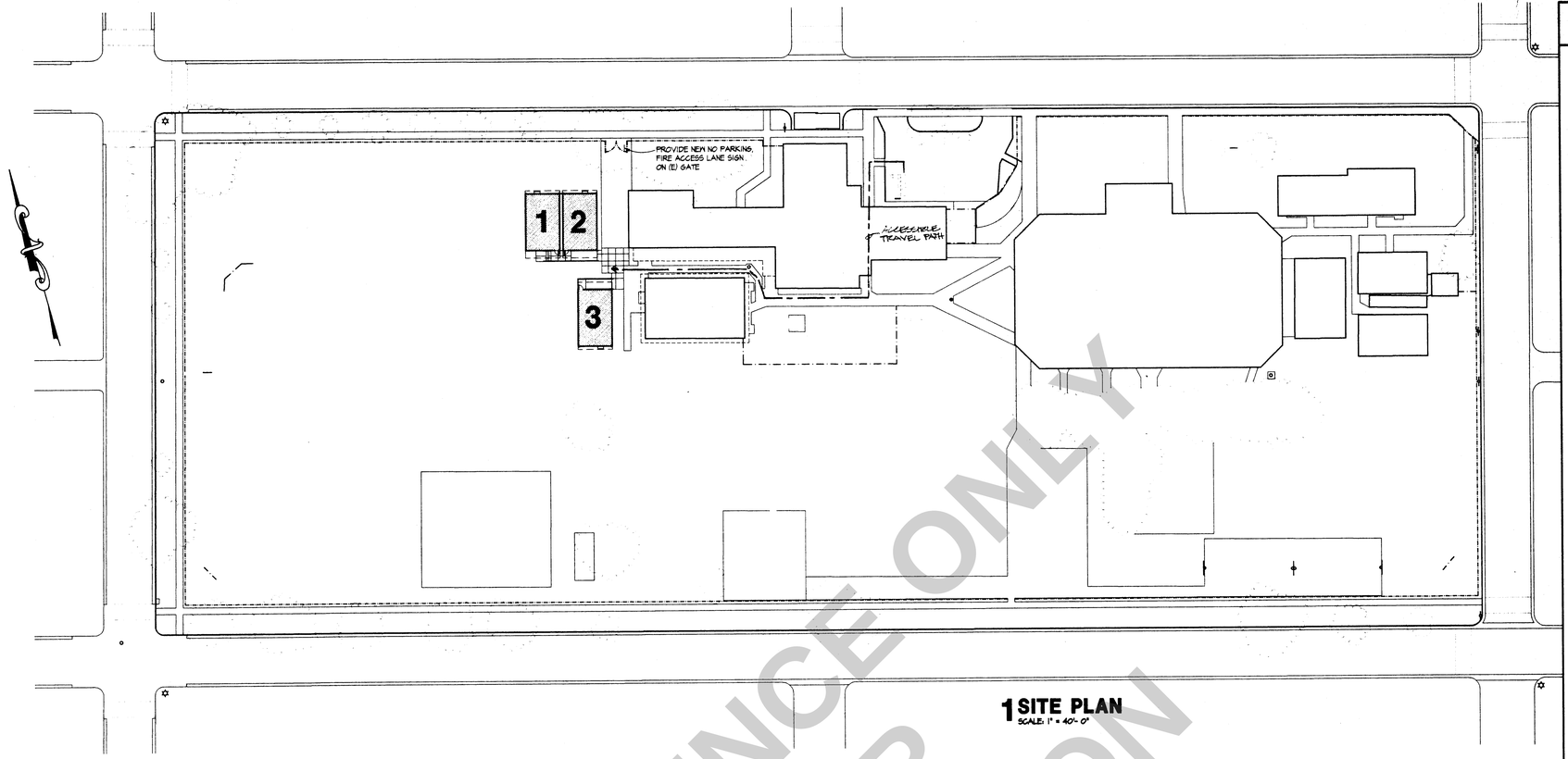

1 SITE PLAN
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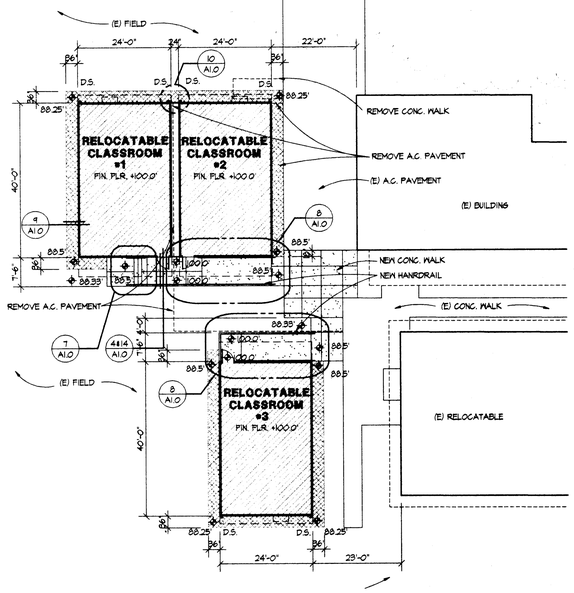

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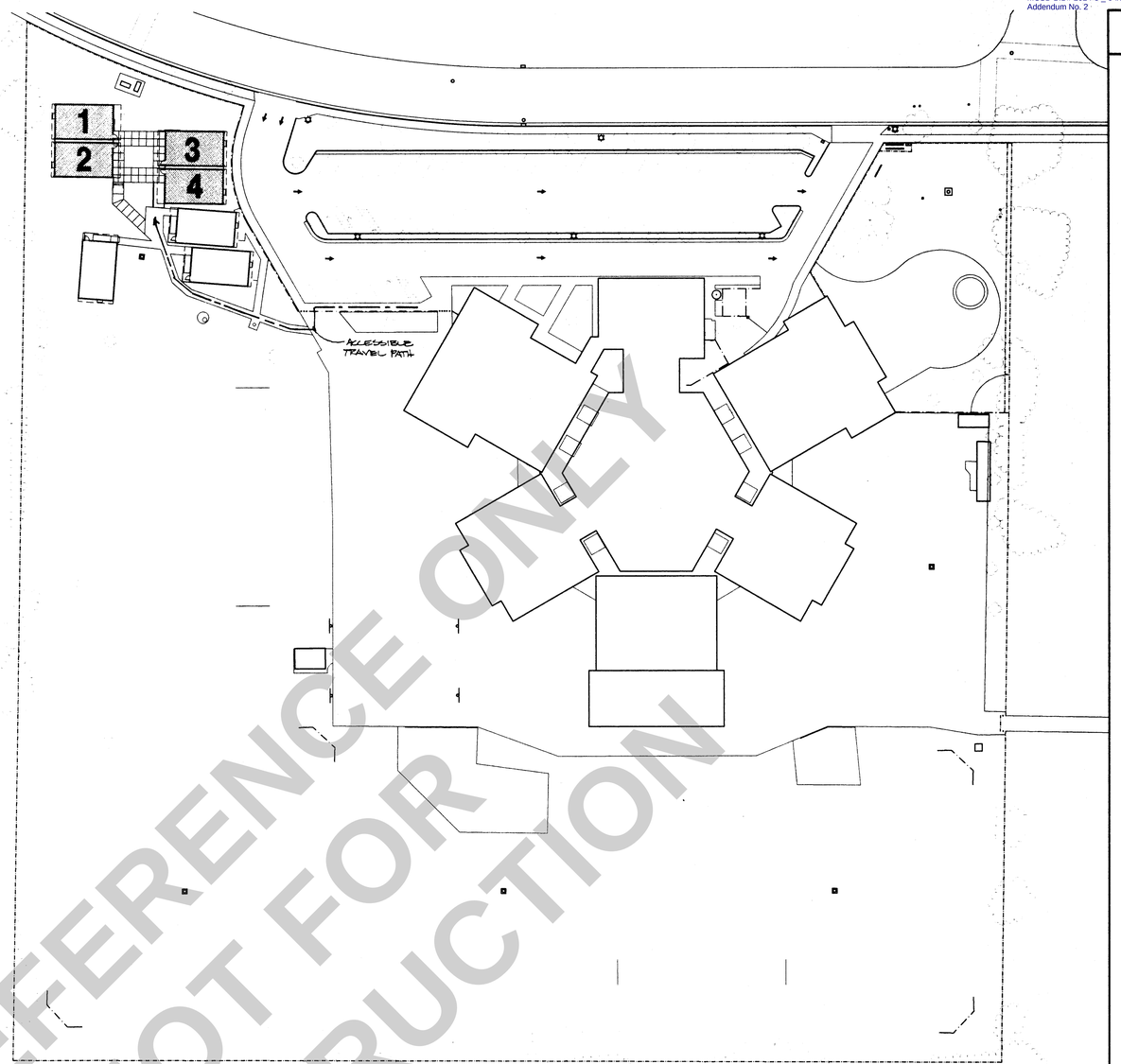
Addendum No. 2



1 SITE PLAN
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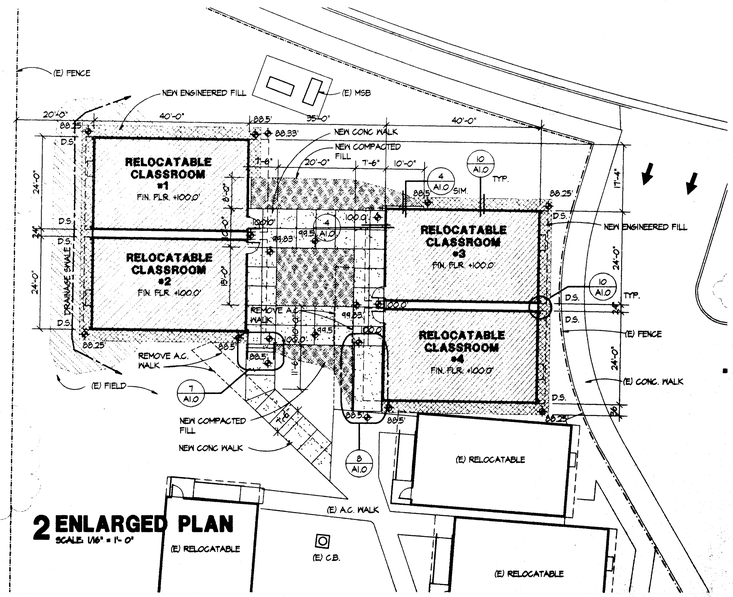

2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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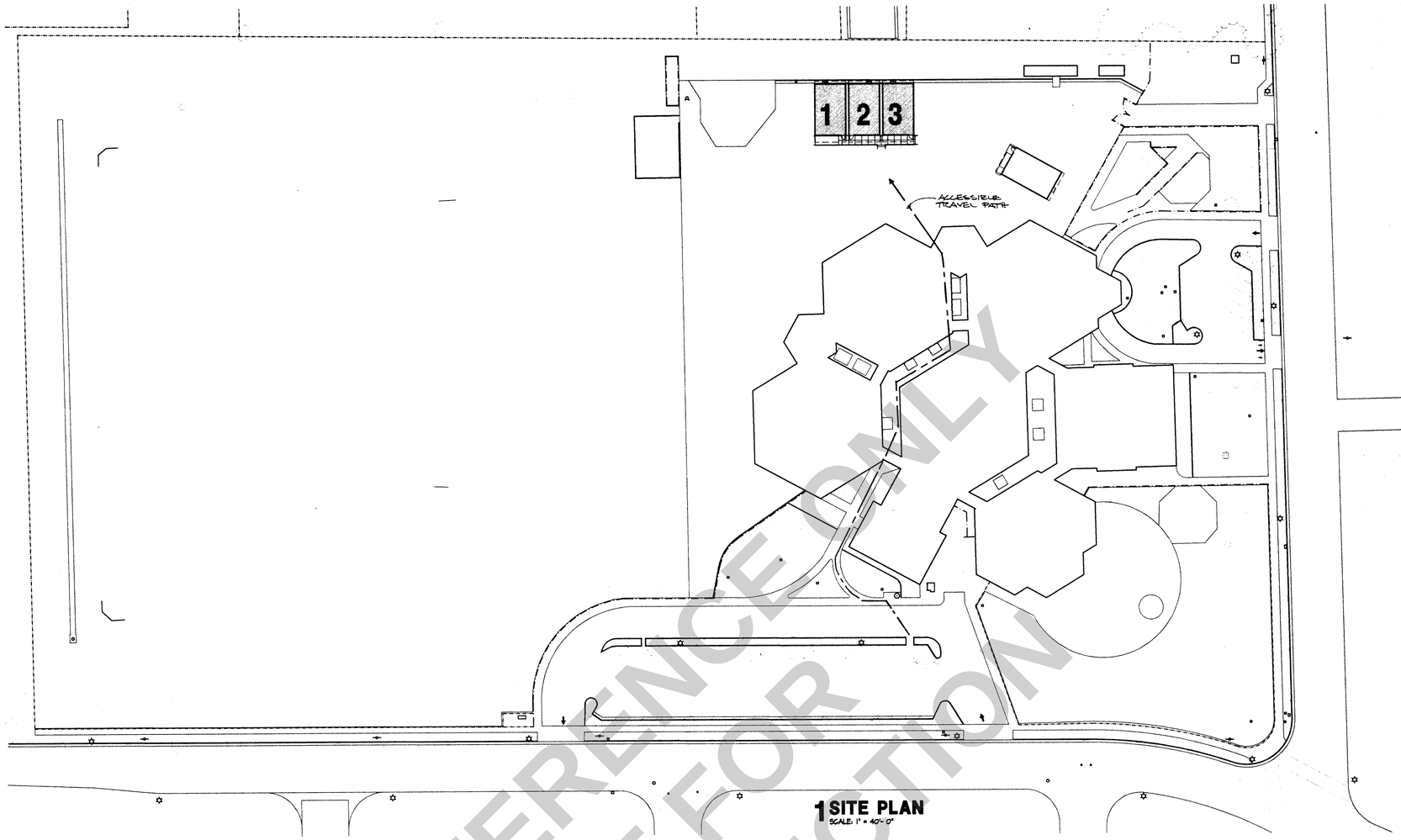

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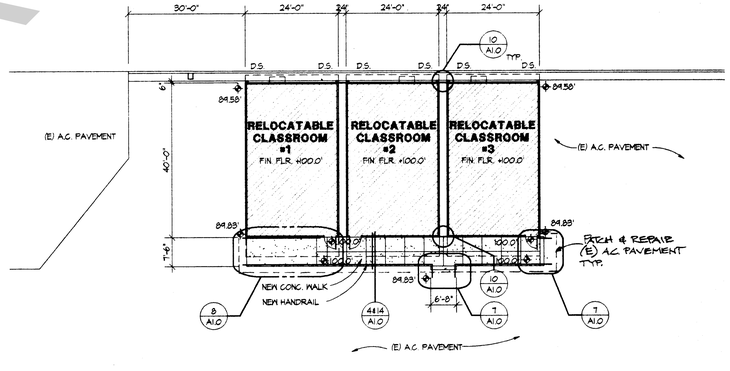

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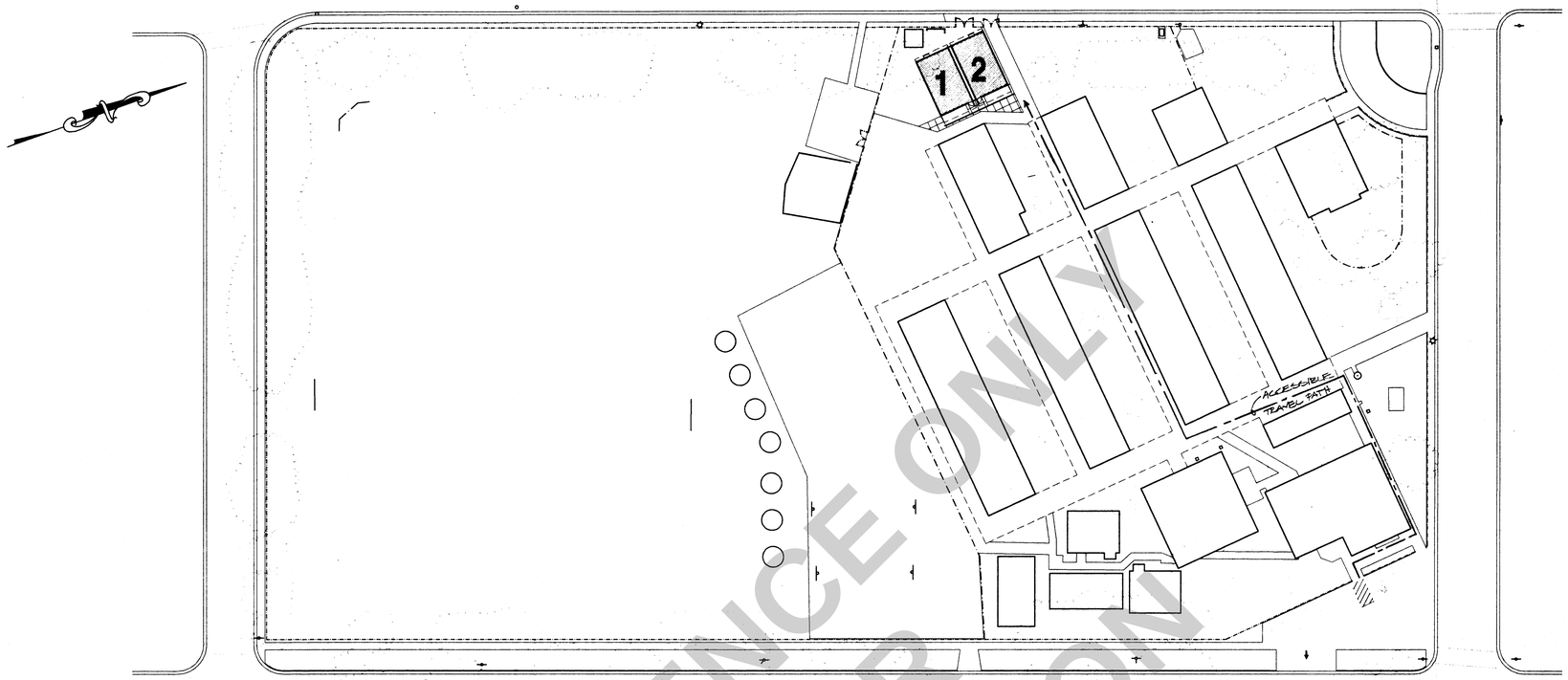

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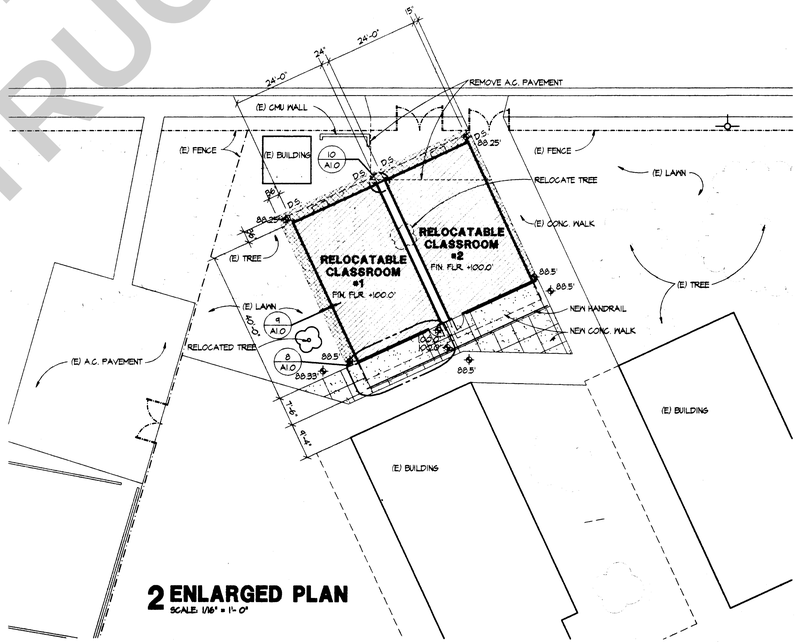

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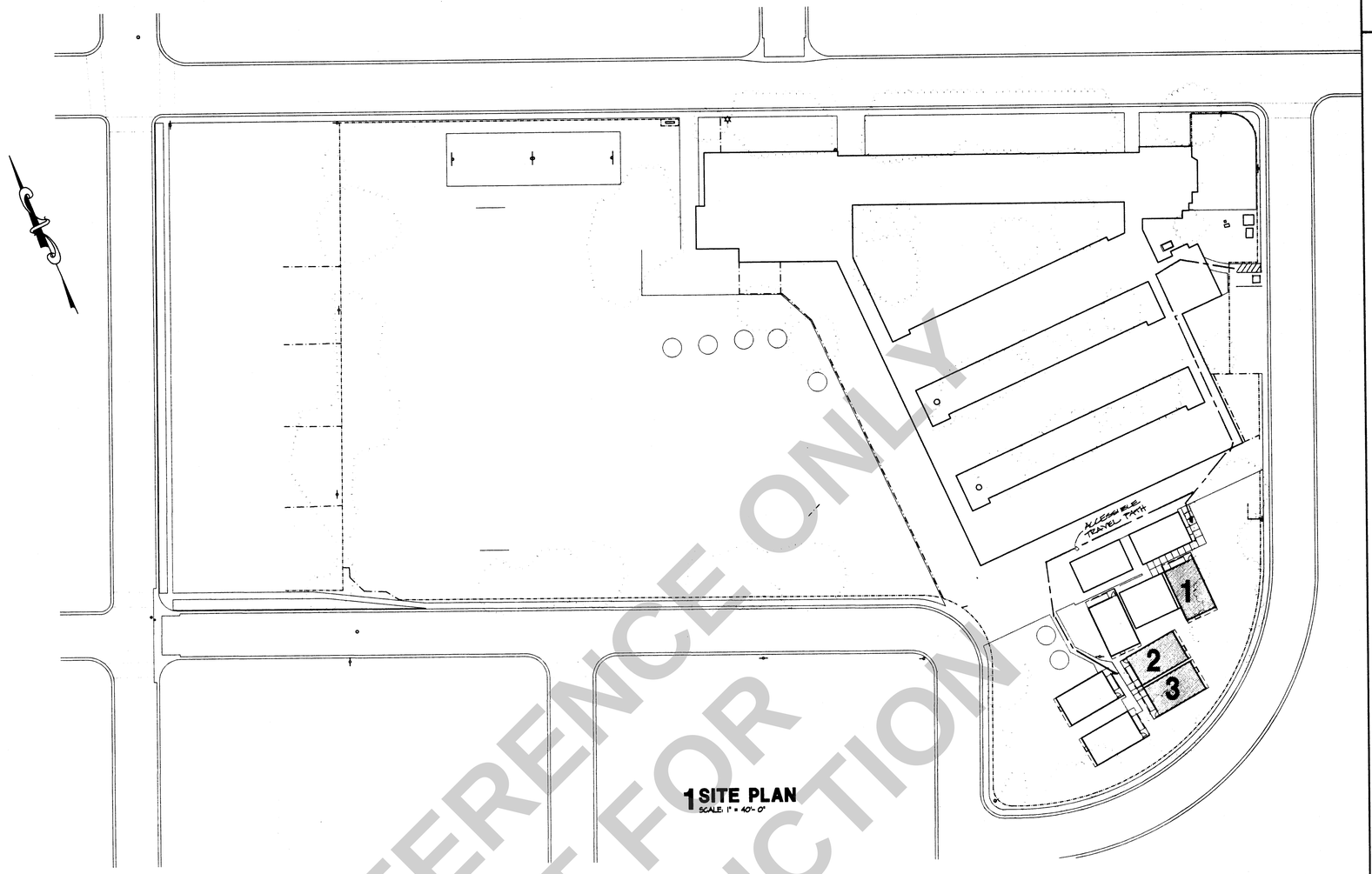

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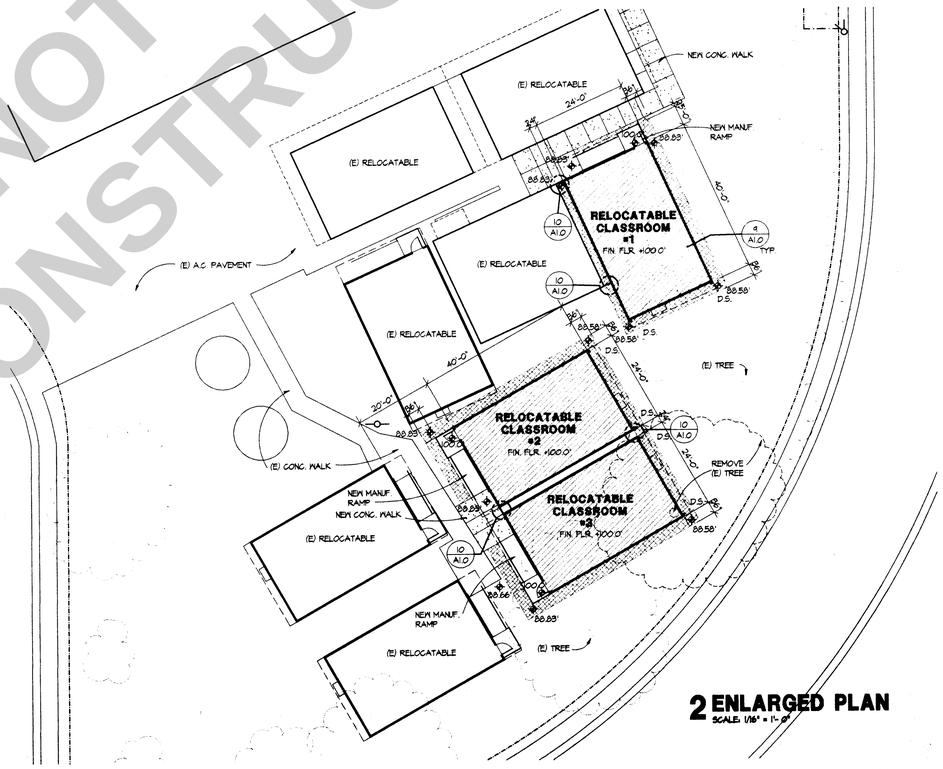

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ELECTRICAL LEGEND

- FLUORESCENT LIGHTING FIXTURE -SURFACE MOUNTED -SEE FIXTURE SCHEDULE
- FLUORESCENT LIGHTING FIXTURE -RECESSED -SEE FIXTURE SCHEDULE
- INCANDESCENT LIGHTING FIXTURE -CEILING MOUNTED -SEE FIXTURE SCHEDULE
- INCANDESCENT LIGHTING FIXTURE -WALL MOUNTED -SEE FIXTURE SCHEDULE
- INCANDESCENT LIGHTING FIXTURE -RECESSED -SEE FIXTURE SCHEDULE
- S_1 SINGLE POLE TOGGLE SWITCH +48"
- S_2 TWO POLE TOGGLE SWITCH +48"
- S_3 THREE WAY TOGGLE SWITCH +48"
- S_4 FOUR WAY TOGGLE SWITCH +48"
- CEILING MOUNTED EXHAUST FAN -N.I.E.S. -CONNECT AS REQUIRED
- CONCRETE PULL BOX -SIZE AS NOTED, N-IG SHOWN -W/ TIE-DOWN HARDWARE + "ELECTRICAL" LID -TRAFFIC LID AS REQD.
- TIME SWITCH -SANGAMO #WZ -#IL. ASTRO DIAL, CARRYOVER, SEP. BYPASS SW
- s, l, p. SWITCH SUBSCRIPTS -s = DEVICE CONTROLLED, k = KEY, p = PILOT LIGHT
- DUPLEX RECEPTACLE +15"
- FLOOR TELEPHONE RECEPTACLE -WALKER #718AL-G
- FLOOR POWER RECEPTACLE -WALKER #713ALDPSG-G UNDERFLOOR RACEWAY -WALKER #4
- 30 AMP. 4 WIRE, GROUND RECEPTACLE -A + H # 5754 WITH #5714 CORD SET
- 30 AMP. 4 WIRE, GROUND RECEPTACLE -A + H #5744 WITH #5715 CORD SET
- JUNCTION BOX -SIZE AND TYPE AS REQUIRED
- FLOOR JUNCTION BOX -WALKER #B00, WITH ABANDON PLUG
- PANEL BOARD -SEE SCHEDULE
- CONDUIT -SURFACE MOUNTED OR ABOVE CEILING -IMC, SURFACE MT., EMT W/COMP. FTG. ABOVE CEILING
- CONDUIT -CONCEALED BELOW FLOOR OR U.G. -EMT W/COMP. RING FTG. UN. FLR. -SCH 40 PVC W/I.M.C. ELLS U.G.
- HOMERUN TO RESPECTIVE PANEL OR TERMINAL
- NOTE: BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A #12 WIRE CIRCUIT FOR MORE THAN 2 #12 WIRES, AS FOLLOWS; —//— 3 #12, —////— 4 #12, ETC. FOR OTHER SIZES AS FOLLOWS; —10//— 3 #10, —6//// 4 #6, ETC. -3/4 CONDUIT U.N.O.
- FUSED DISCONNECT SWITCH -SIZE AS NOTED -30A. SHOWN
- COMBINATION STARTER -SIZE AS NOTED -SIZE 3 SHOWN
- FULL VOLTAGE STARTER -SIZE AS NOTED -SIZE 3 SHOWN
- MOTOR -N.I.E.S., CONNECT AS REQUIRED
- THERMOSTAT -N.I.E.S. INSTALL AND CONNECT AS REQUIRED +48"
- FIXTURE IDENTIFICATION -NUMERAL INDICATES LAMP WATTS, LETTER INDICATES FIXT. TYPE

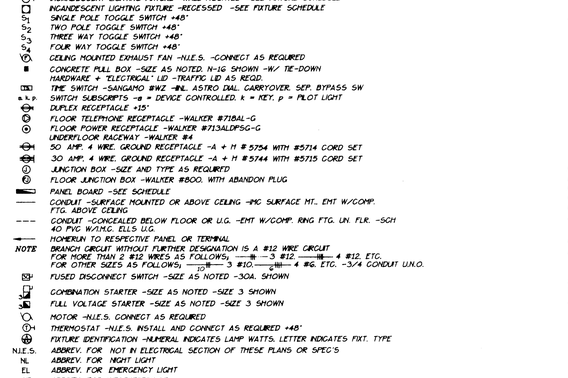
N.I.E.S.	ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS OR SPEC'S
NL	ABBREV. FOR NIGHT LIGHT
EL	ABBREV. FOR EMERGENCY LIGHT
WP	ABBREV. FOR WEATHERPROOF
MT	ABBREV. FOR EMPTY CONDUIT WITH 1 #12 COPPER PULL WIRE
EP	ABBREV. FOR EXPLOSION PROOF

- TELEPHONE OUTLET -4-11/16"SQ. BOX W/ 1 DEV. RING + COVER -PULL CORD TO ABOVE CEILING
- COMPUTER DATA OUTLET +12"

(E)	DENOTES EXISTING
(N)	DENOTES NEW
(P)	DENOTES PROPOSED
(F)	DENOTES FUTURE

- SURFACE MOUNTED CLOCK, SIZE AS NOTED -STANDARD OR -120V. SERIES OR EQUAL
- FIRE ALARM HORN -SINGLE OR DOUBLE AS INDICATED -STANDARD SAM -4 SERIES OR EQUAL
- FIRE ALARM HORN/STROBE -WHEELOCK 12V. OR EQUAL -COMP. WITH (E) SYSTEM
- FIRE ALARM STROB -WHEELOCK 12V. OR EQUAL -COMP. WITH (E) SYSTEM
- SURFACE BELL -SIZE AS INDICATED -STANDARD MODEL MA OR EQUAL -120V.
- P.A. SPEAKER -ELECTRO-VOICE PA30AT OR EQUAL -COMP. WITH (E) SYSTEM
- FIRE ALARM PANEL - PYROTRONICS SYSTEM 3, SIMPLEX, OR EQUAL - CLASS B
- MANUAL PULL STATION - PYROTRONICS SYSTEM 3, SIMPLEX, OR EQUAL -CLASS B
- IONIZATION DETECTOR - PYROTRONICS SYSTEM 3, SIMPLEX, OR EQUAL - CLASS B
- DUAL HORN - PYROTRONICS SYSTEM 3, SIMPLEX, OR EQUAL -W.P. 24 VOLT
- FLOW AND TAMPER SWITCH - PYROTRONICS SYSTEM 3, SIMPLEX, OR EQUAL

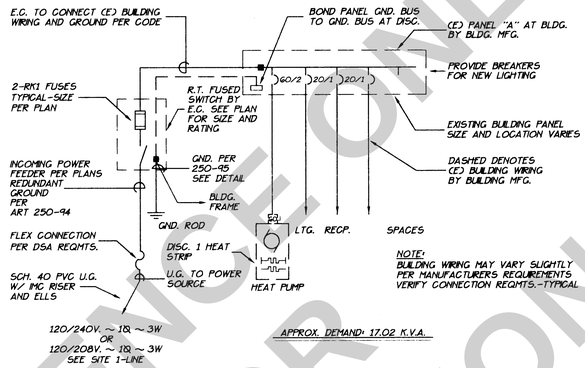
NOTE: SEE FIRE ALARM EQUIPMENT LEGEND FOR F.A. SYMBOLS AND INFORMATION



DETAIL

D-5 / E-1 — U.G. TERMINATION AT BLDG.-TYP.

NO SCALE



BUILDING SINGLE LINE DIAGRAM

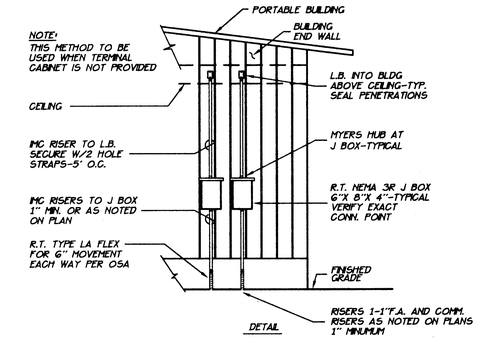
NO SCALE

DETAIL

D-4 / E-1 — PORT. BLDG. GND.-TYP.

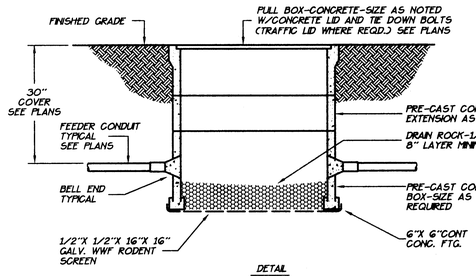
NO SCALE

SCOPE OF WORK SHALL COMPRISE THE CONNECTION OF POWER AND FIRE ALARM TO PORTABLE CLASSROOM BUILDING, AND TO PROVIDE A RACEWAY SYSTEM FOR THE FUTURE CONNECTION OF SIGNAL SYSTEMS BY OTHERS. PROVIDE ALL DEVICES, FEEDERS, CABLE, PANELS, TRANSFORMERS, F.A. DEVICES AND MODULES REQUIRED FOR THE CONNECTION OF BUILDINGS. SEE NOTES ON PLAN FOR PHASING AND ADDITIONAL REQUIREMENTS.



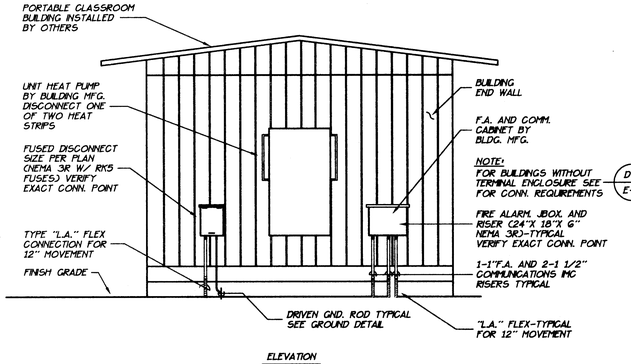
D-1 / E-1 — ALT. F.A. AND COMM. CONNECTION

NO SCALE



D-2 / E-1 — PULL BOX-TYPICAL

NO SCALE



D-3 / E-1 — U.G. CONNECTION AT PORTABLE CLASSROOM

NO SCALE

NOTE: COMPLETE FIRE ALARM SUBMITTAL INCLUDED.

REGISTERED PROFESSIONAL ENGINEER — GREGG E. MILLER — NO. 11128 — ELECTRICAL — STATE OF CALIFORNIA

9/11/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 — MODESTO, CA. 95354
(209) 575-0312 — FAX: (209) 575-0813

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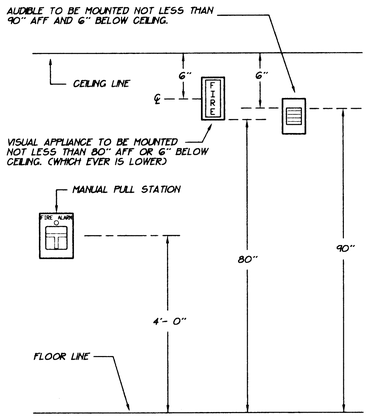
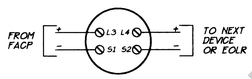


DEVICE ELEVATION DETAIL

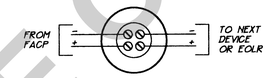
NOT TO SCALE

SYSTEM OPERATIONAL MATRIX

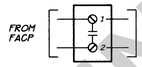
DEVICE	ACTIVATE EVACUATION SIGNALS/STROBES	ANNUNCIATE AT BUILDING FACP	ANNUNCIATE AT ANNUNCIATOR
MANUAL PULL STATION	X	X	X
SMOKE DETECTOR	X	X	X
HEAT DETECTOR	X	X	X



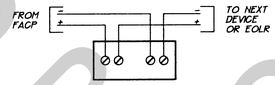
IONIZATION DETECTOR-N.A.



HEAT DETECTORS



MANUAL PULL STATION



HORN AND/OR STROBE

TYPICAL DEVICE WIRING DETAILS

NOT TO SCALE

FIRE ALARM EQUIPMENT LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER/MODEL#	CSFM LISTING IF REQUIRED	BACKBOX PROVIDED BY CONTRACTOR	MOUNTING HEIGHT OR LOCATION	AMPS
FACP	FIRE ALARM CONTROL PANEL	EXISTING		SEE PLAN	ADMIN. BLDG. CATTENDED)	
NAC	NAC POWER EXTENDER	NEW SIMPLEX/4004-9001	6911-0026:196	BY SIMPLEX	UTILITY ROOM BLDG.-1	
ANN	SERIAL GRAPHIC ANNUNCIATOR	EXISTING SIMPLEX 4602	7120-1178:100	BY SIMPLEX	EXISTING	
F	PULL-STATION	SIMPLEX/2099-9754	7150-0026:175	SINGLE GANG	SEE DETAIL	0
F H	MINI-HORN	SIMPLEX/2901-983G (CGX-90-A)	7135-0026:170	SINGLE GANG	SEE DETAIL	.015
F WP	EXTERIOR HORN W/ WEATHERPROOF BACKBOX	SIMPLEX/4901-9817	7135-0026:204	BY SIMPLEX	SEE DETAIL	.065
F	ADA VISUAL DEVICE	SIMPLEX/4904-9137	7300-0026:198	BY SIMPLEX	SEE DETAIL	.085

NOTE: COMPLETE FIRE ALARM SUBMITTAL INCLUDED.

CABLE LEGEND

ALL CONDUCTORS SHALL BE TYPE THWN #14 - AMERICAN WIRE GAUGE, MINIMUM, OR AS NOTED ON PLANS THWN INSULATION TYPE (MOISTURE AND HEAT RESISTANT THERMOPLASTIC) SUITABLE FOR DRY AND WET LOCATIONS

ALL CONDUITORS SHALL BE SOLID COPPER STRANDED CONDUCTORS ARE PROHIBITED

ALL CONDUCTORS SHALL BE INSTALLED IN CONDUIT NO OPEN WIRING

INSTALLATION NOTES:

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA ELECTRICAL CODE.
2. UPON COMPLETIONOF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE PERFORMED IN THE PRESENCE OF THE ENFORCING AGENCY.
3. ALL DRAWINGS ARE DIAGRAMMATICAL
4. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO COMPLY WITH THE FOLLOWING PARTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) FOR THE INSTALLATION OF THE CONDUIT AND WIRE SYSTEM:
   - TITLE 24, PART 2, CCR (1991 UBC W/CAL AMMENDS)
   - TITLE 24, PART 3, CCR (1990 NEC W/CAL AMMENDS)
   - TITLE 24, PART 4, CCR (1991 UMC W/CAL AMMENDS)
   - TITLE 24, PART 5, CCR (1991 UPC W/CAL AMMENDS)
   - TITLE 24, PART 9 CCR (1991 UFC W/CAL AMMENDS)
   - TITLE 19, PUBLIC SAFETY, OFFICE OF THE STATE FIRE MARSHALL.
5. ON FACTORY PROVIDED BACK BOXES, NO ENLARGEMENTS TO THE STANDARD KNOCKOUTS SHALL BE MADE, NOR MAY THE INSTALLER ATTACH CONDUIT TO A NON-FACTORY PROVIDED KNOCKOUT WITHOUT THE EXPRESS WRITTEN CONSENT OF THE SIMPLEX TIME RECORDER COMPANY.
6. ALL FIRE ALARM DATA COMMUNICATIONS, AND INITIATING CIRCUITS SHALL BE INSTALLED UTILIZING SOLID COPPER CONDUCTORS OF A SIZE AS PER SPECIFICATIONS OR THE LOCAL ENFORCING AGENCY, WHICHEVER IS MORE STRINGENT SHALL APPLY.
7. ALL FIRE ALARM CIRCUITS ARE CONTINUOUS FROM DEVICE TO DEVICE. SPLICES ARE NOT ALLOWED UNLESS IN COVERED JUNCTION BOXES ON APPROVED TERMINAL BLOCKS.
8. THE NUMERICAL DESIGNATIONS ADJACENT SYMBOLS ON DRAWINGS, EXAMPLE: F C-12. INDICATE THE FOLLOWING: REPRESENTS THE 12TH DEVICE ON THE "C" INITIATING CIRCUIT. AUDIBLE CIRCUITS UTILIZE A NUMBER AS THE FIRST PART OF THE DESIGNATION AS AN INSTALLATION AID. EXAMPLE F 3-7. 7TH DEVICE ON THE CIRCUIT "3".
9. COLOR CODING SHALL BE AS FOLLOWS:
   - A. INITIATING CIRCUITS I.E. MANUAL PULL STATIONS, DETECTORS, WATER FLOW SWITCHES, ETC. {+ORANGE, -WHITE}
   - B. INDICATING CIRCUITS I.E. BELLS, HORNS, STROBE UNITS, ETC. {+RED, -BLACK}
   - C. POWER FOR AUXILLARY DEVICES I.E. DOOR HOLDERS, 4-WIRE SMOKE DETECTORS POWER, REMOTE RELAYS, DAMPERS, EXHAUST FANS, ETC. {+BLUE, -BLACK}
   - D. ANNUNCIATION DEVICES I.E. REMOTE LAMPS ANNUNCIATORS, ETC. {+PURPLE, -BLACK}
10. ALL CONDUCTORS SHALL BRADY OR EQUAL LABELED.
11. IT IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR TO MAINTAIN AND UPDATE HIS CONSTRUCTION DRAWINGS WITH A HIGH DEGREE OF ACCURACY AND TO PROVIDE RECORD DRAWINGS FOR THE PROJECT BASED ON THE INFORMATION CONTAINED THEREIN.
12. NO WORK SHALL BEGIN UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CSFM LISTING NUMBERS FOR EACH COMPONET HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT.
13. NEW FIRE ALARM AUDIBLE DEVICES SHALL HAVE THE SAME BASIC SOUND CHARACTERISTICS AS THE EXISTING DEVICES.

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REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
EXP. 6/30/96
ELECTRICAL
STATE OF CALIFORNIA
9/6/95

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
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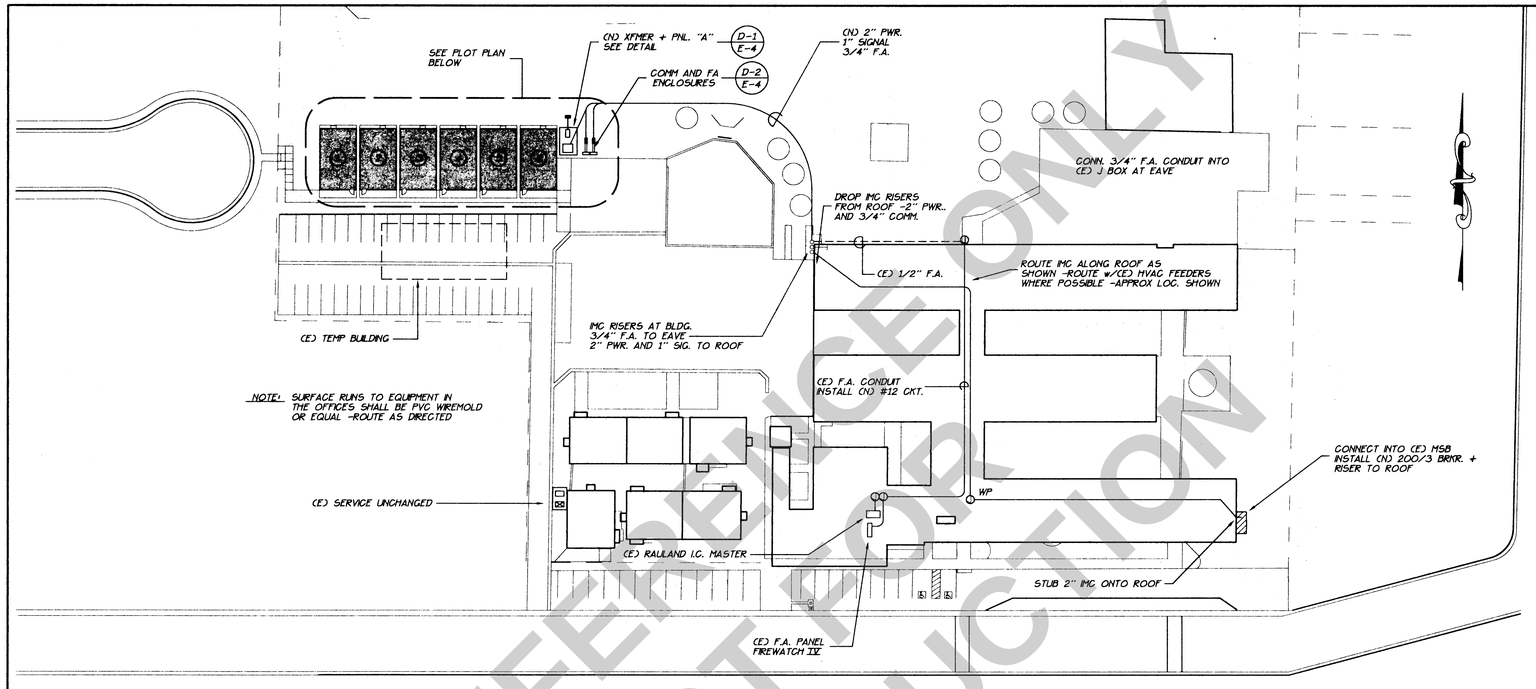
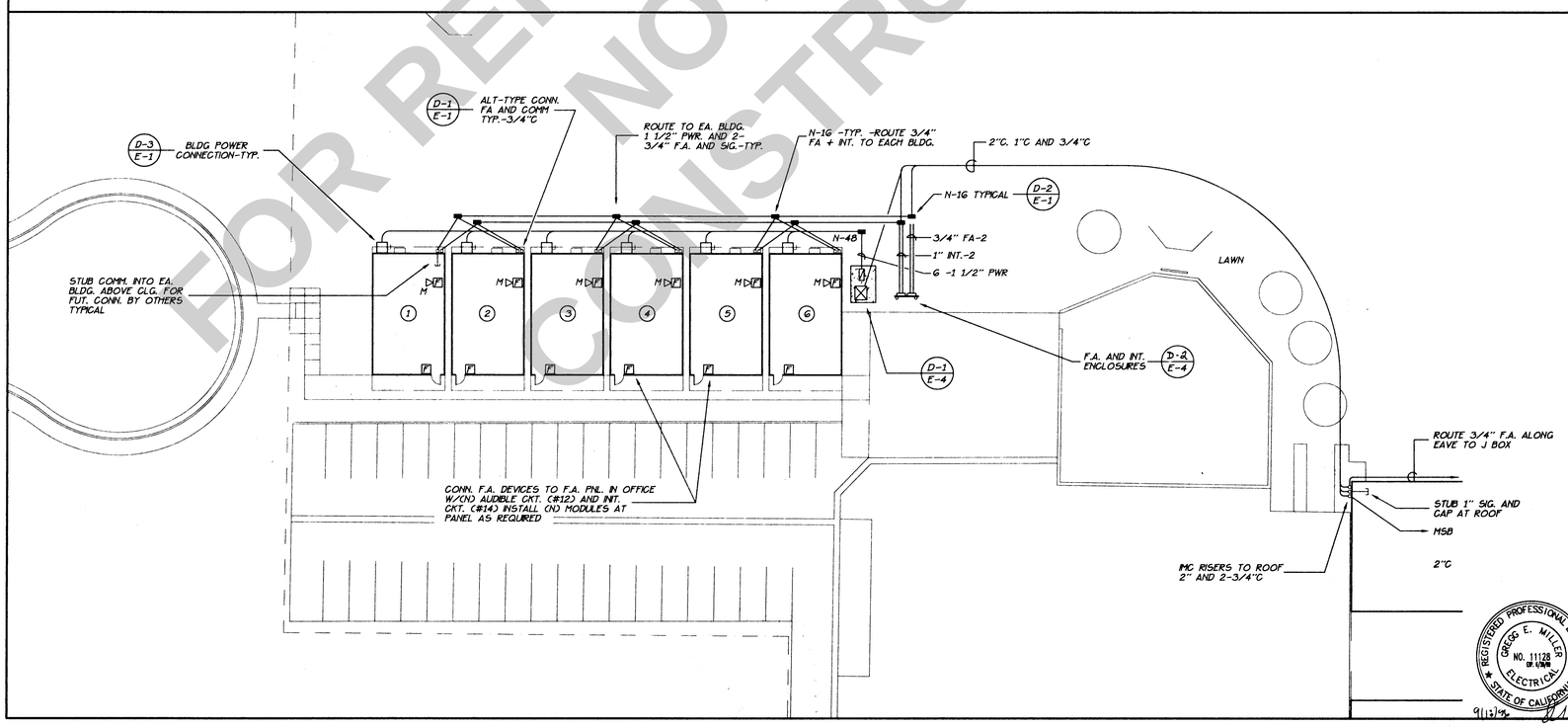
Addendum No. 2





CONTRACTOR SHALL VERIFY ACTUAL DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION... CALL UNDERGROUND SERVICE ALERT (TOLL FREE 800-642-2444) PRIOR TO TRENCHING, GRADING, EXCAVATION, DRILLING, PIPE PUSHING, PLANTING TREES, DIGGING FENCE POST HOLES, ETC. THEY WILL SUPPLY INFORMATION OR LOCATE AND MARK ANY UNDERGROUND FACILITIES.

NOTE:
VERIFY EXACT CONNECTION POINTS FOR POWER PRIOR TO CONSTRUCTION. APPROXIMATE ONLY LOCATIONS INDICATED FOR TRANSFORMER LOCATION, ETC. COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS. PROVIDE ALL RELATED CONDUITS, PULL BOXES AND RISERS.

NOTE:
THIS PLAN COMPRISES BUILDINGS FOR BOTH PHASE I AND II. THE SCOPE OF THIS PROJECT INCLUDES THE CONNECTION OF PHASE I BUILDINGS ONLY. SEE ARCHITECTURAL PLANS FOR PHASE I BUILDING LOCATIONS. PROVIDE A COMPLETE ELECTRICAL SYSTEM FOR POWER, F.A. AND SIGNAL RACEWAYS, AS SHOWN ON THE PLANS, TO CONNECT PHASE I BUILDINGS, WITH FULL PROVISIONS, CONDUIT AND STUBS AND APPURTANENCES TO CONNECT THE FUTURE PHASE II BUILDINGS. INCLUDE ALL COSTS IN BID.

BURBANK ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"

GENERAL NOTES:

SAW CUT EXISTING A.C. OR CONCRETE FOR CONDUIT INSTALLATION. REPLACE A.C. WITH 2 INCH A.C. OVER 4 INCH 1/2 INCH AB OVER 90% REL. COMPACTED EARTH. RE-STRIPE AS REQUIRED-ALL TO OWNER'S SATISFACTION. REPLACE CONCRETE WITH 4" CONCRETE OVER 90% COMPACTED EARTH. BROOM FINISH TO MATCH EXISTING CONCRETE.-ALL TO OWNER'S SATISFACTION. PUSH CONDUITS UNDER SIDEWALK WHERE POSSIBLE

LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. REPAIR ALL UTILITIES DAMAGED DURING CONSTRUCTION TO OWNER'S SATISFACTION.

ERECT AND MAINTAIN ALL REQUIRED SAFETY BARRICADES. PER CALIFORNIA STATE STANDARD SPECIFICATIONS. TITLE 8, TITLE 24, AND OSHA REQUIREMENTS.

SCHEDULE CONSTRUCTION WITH OWNER AND UTILITY COMPANY IN ADVANCE. SCHEDULE ALL ELECTRICAL OUTAGES WITH OWNER AND OBTAIN APPROVAL FOR THE SAME.

BURBANK ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
EXP. 6/30/98
ELECTRICAL
STATE OF CALIFORNIA
9/13/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 — MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

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DATE 9-18-96
JOB NUMBER 1537
DRAWN BY BLG
REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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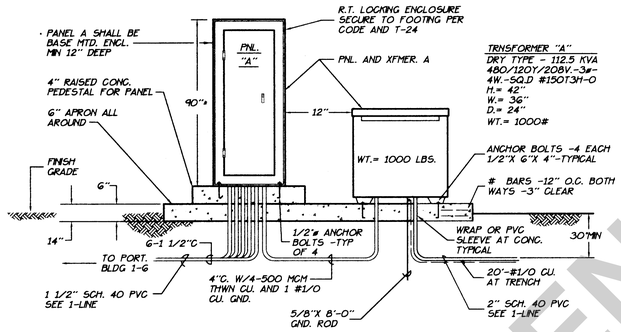
ARCHITECTURAL DESIGN WEST INC.
LOGAN, UTAH
SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON
(916)-446-2460

E-3

C:\DWG\1537\ORIGINAL\E-3 WED Sep 18 15:51:24 1996

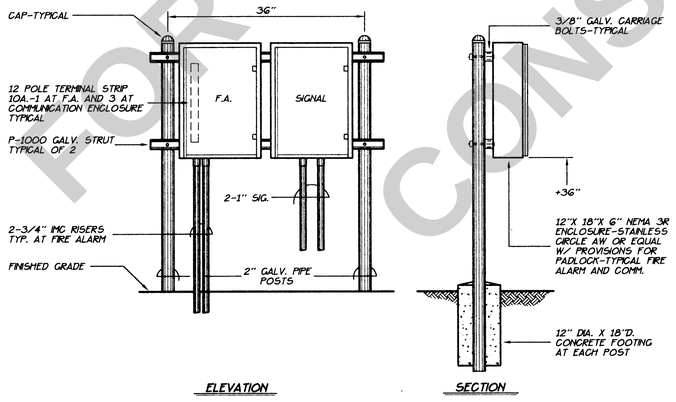
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



DETAIL

D-1 / E-4 — (N) XFMER. AND DIST. PANEL "A"

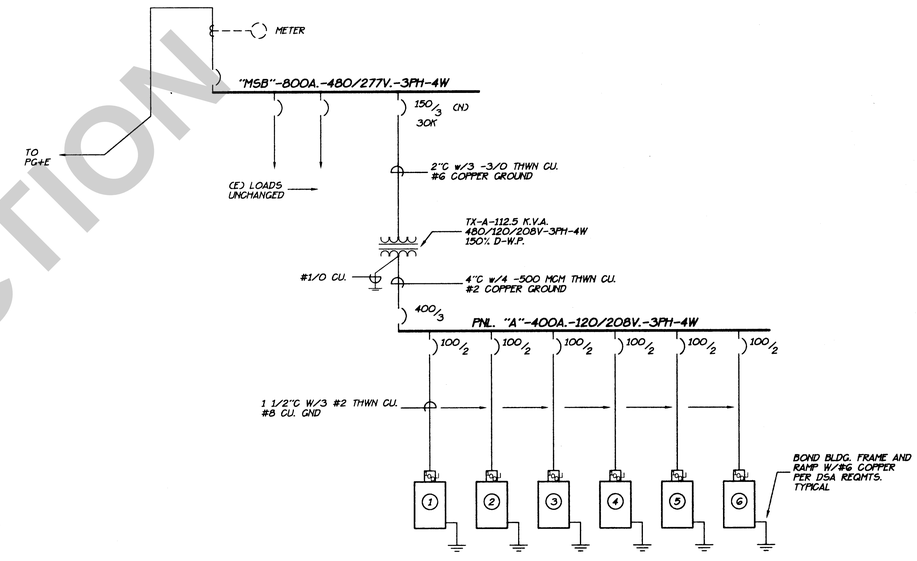
NO SCALE



DETAIL

D-2 / E-4 — F.A. AND COMMUNICATIONS TERMINALS

NO SCALE



SINGLE LINE DIAGRAM

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DATE 9-18-96
JOB NUMBER 1531
DRAWN BY BLC
REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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PLANNERS
CONSULTANTS
ARCHITECTURAL DESIGN WEST INC.
LOGAN, UTAH
SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON
(916)-446-2466

REGISTERED PROFESSIONAL ENGINEER — GREGG E. MILLER — NO. 11128 — 12/31/98 — ELECTRICAL — STATE OF CALIFORNIA

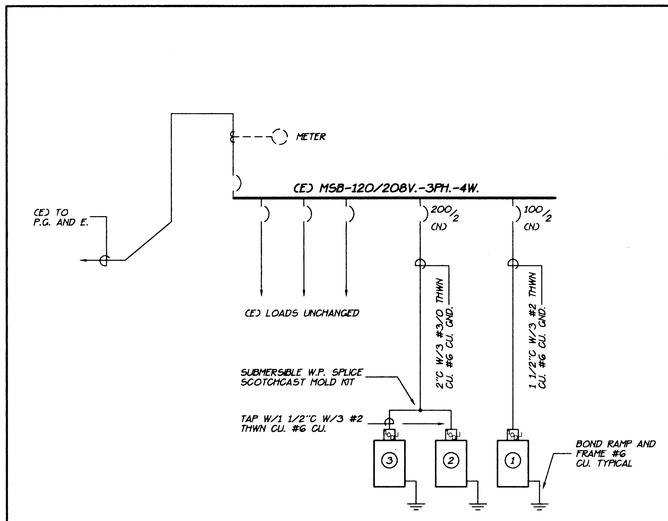
9/19/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

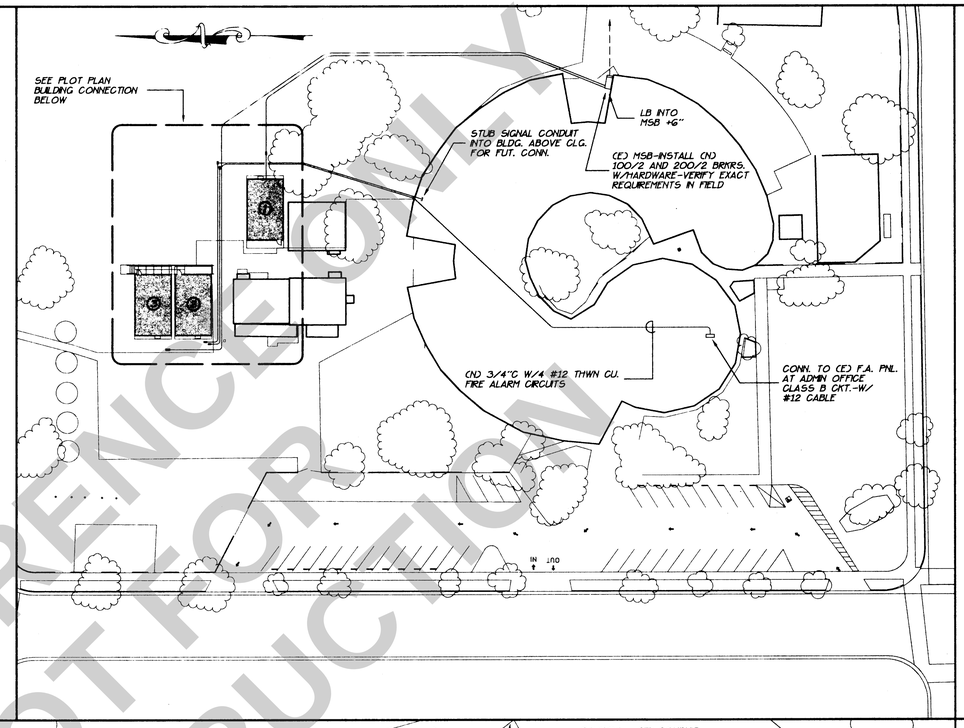
E-4

C:\CAD\ELEC\ORIGINALS-4 #43 SEP 19, 96 02:39:24 PDT

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



SINGLE LINE DIAGRAM



CHENOWETH ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"

CONTRACTOR SHALL VERIFY ACTUAL DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION... CALL UNDERGROUND SERVICE ALERT (TOLL FREE 800-642-2444) PRIOR TO TRENCHING, GRADING, EXCAVATION, DRILLING, PIPE PUSHING, PLANTING TREES, DIGGING FENCE POST HOLES, ETC. THEY WILL SUPPLY INFORMATION OR LOCATE AND MARK ANY UNDERGROUND FACILITIES.

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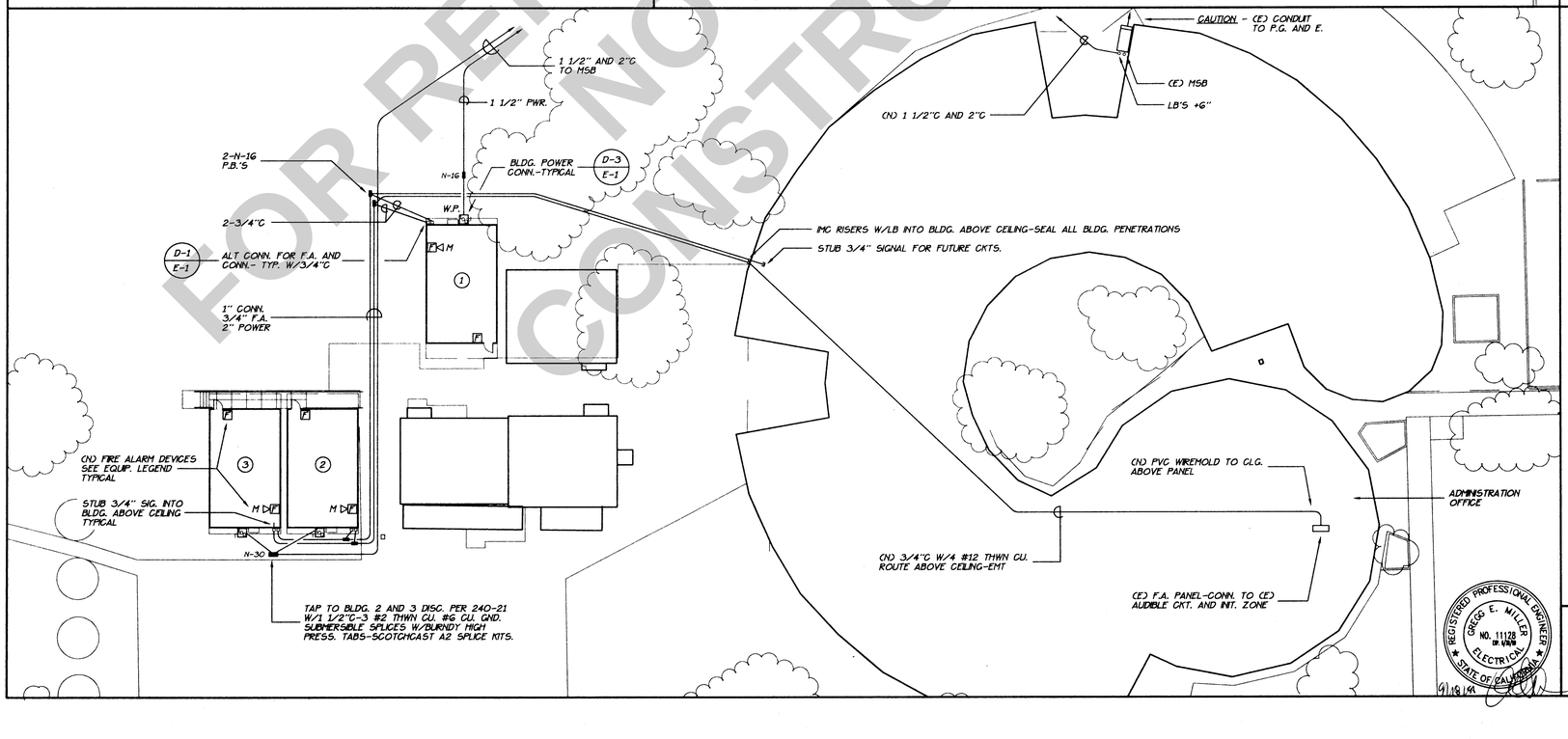

GENERAL NOTES:

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CHENOWETH ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
ELECTRICAL
STATE OF CALIFORNIA
4/18/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

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DATE
4-18-96
JOB NUMBER
1531
DRAWN BY
BLC
REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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PLANNERS
CONSULTANTS
ARCHITECTURAL DESIGN WEST INC.
LOGAN, UTAH
SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON
(916)-446-2466

E-5

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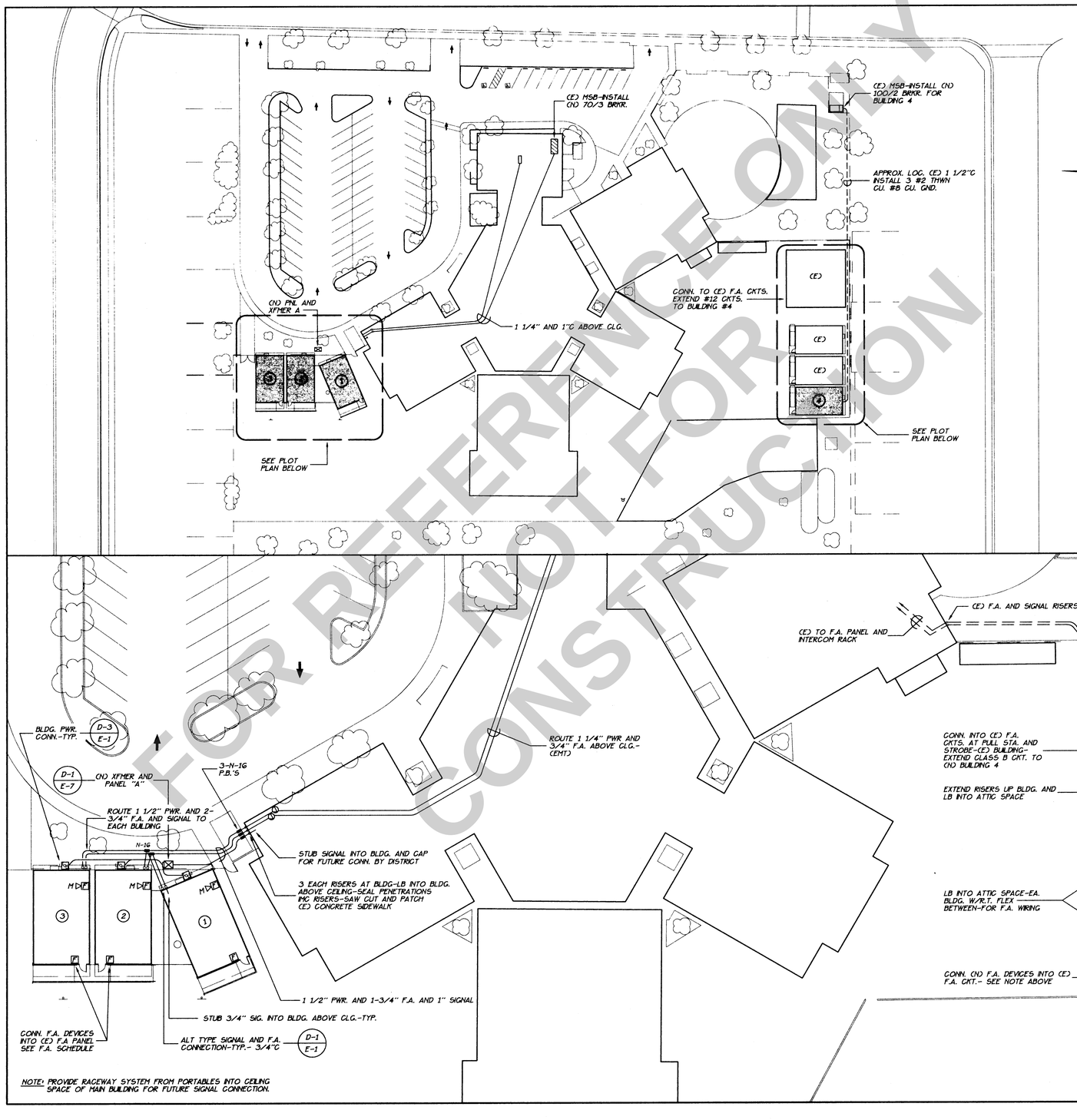

NOTE: PROVIDE RACEWAY SYSTEM FROM PORTABLES INTO CEILING SPACE OF MAIN BUILDING FOR FUTURE SIGNAL CONNECTION.

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NOT FOR CONSTRUCTION

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GRACEY ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"

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GRACEY ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

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DATE 9-16-96
JOB NUMBER 1531
DRAWN BY BLC
REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

REGISTERED PROFESSIONAL ENGINEER GREGG E. MILLER NO. 11128 EXP. 6/98 ELECTRICAL STATE OF CALIFORNIA

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

DESIGN WEST
ARCHITECTS
PLANNERS
CONSULTANTS
ARCHITECTURAL DESIGN WEST INC.
LOGAN, UTAH
SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON
(916)-446-2466

E-6

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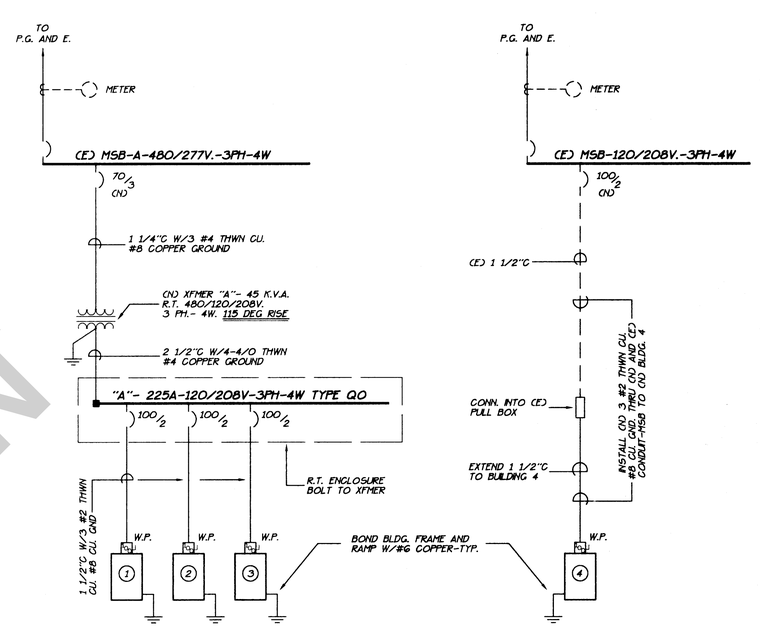
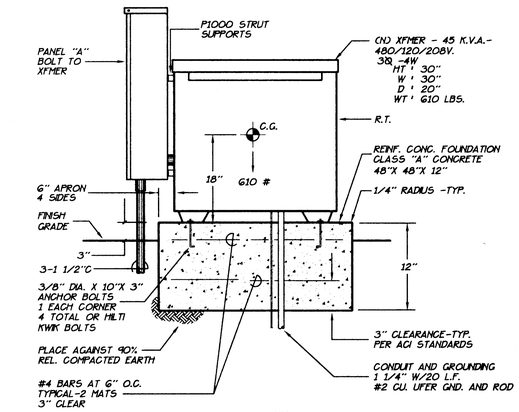
CONSTRUCTION



SINGLE LINE DIAGRAM



DETAIL

D-1
E-7

(N) 45 K.V.A. TRANSFORMER "A"

NO SCALE

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OF OWNER
AND ARCHITECT

DATE
9-18-96

JOB NUMBER
1531

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BLG

REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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PLANNERS
CONSULTANTS
ARCHITECTURAL
DESIGN WEST INC.
LOGAN, UTAH
SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTO
(916)-446-2460

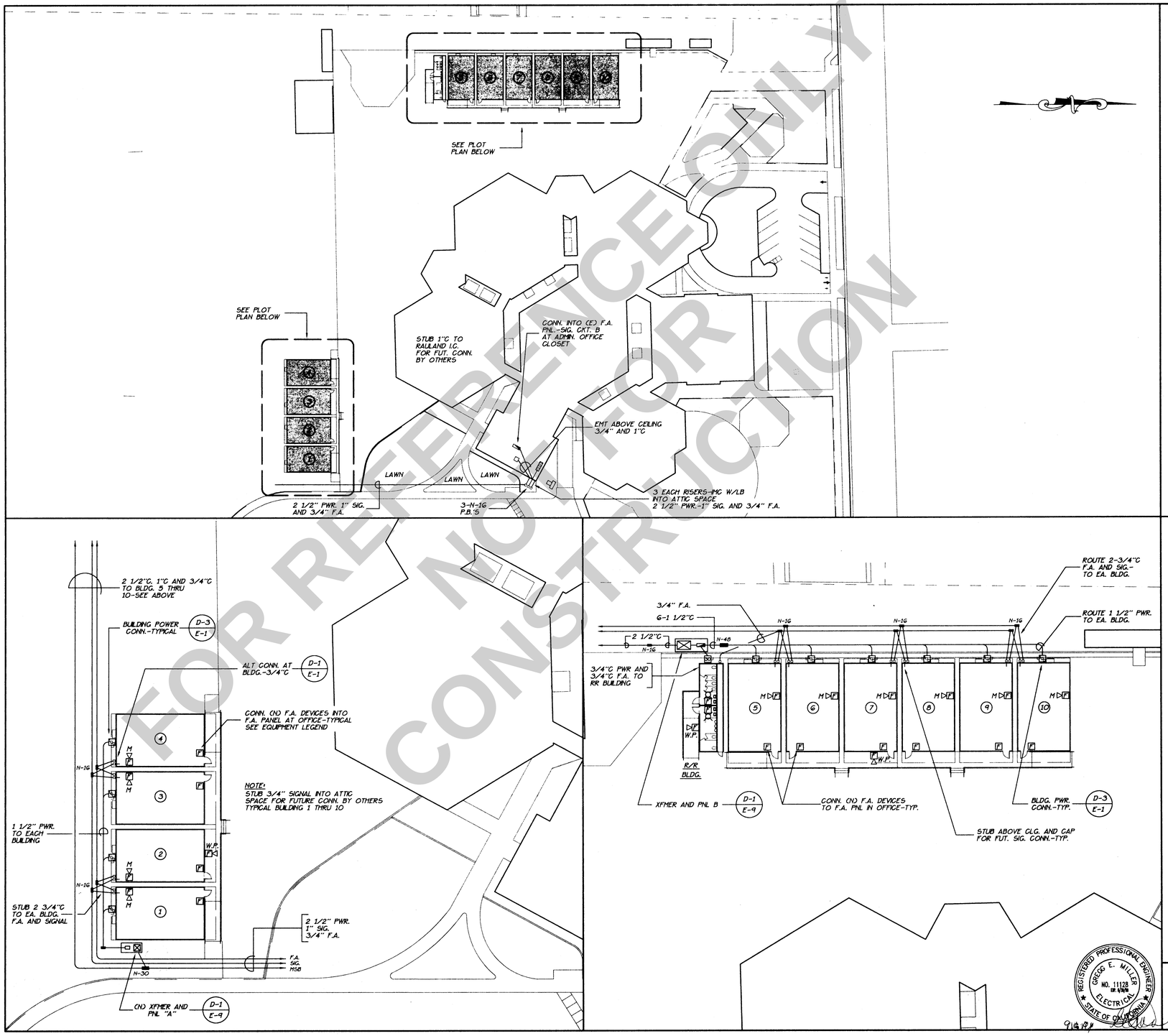
E-7

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
EXP. 6/30/98
ELECTRICAL
STATE OF CALIFORNIA

9/18/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7
MODESTO, CA. 95354
(209) 575-0312
FAX: (209) 575-0813

C:\DWG\1531\ORIGINAL E-7 WED Sep 18 96 11:12 1SE



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REYES ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"

GENERAL NOTES:

SAW CUT EXISTING A.C. OR CONCRETE FOR CONDUIT INSTALLATION. REPLACE A.C. WITH 2 INCH A.C. OVER 4 INCH 1/2 INCH AB OVER 90% REL. COMPACTED EARTH. RE-STRIPE AS REQUIRED-ALL TO OWNER'S SATISFACTION. REPLACE CONCRETE WITH 4" CONCRETE OVER 90% COMPACTED EARTH. BROOM FINISH TO MATCH EXISTING CONCRETE.-ALL TO OWNER'S SATISFACTION. PUSH CONDUITS UNDER SIDEWALK WHERE POSSIBLE

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REYES ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

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DATE 9-18-96
JOB NUMBER 1931
DRAWN BY BLC
REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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PLANNERS
CONSULTANTS
ARCHITECTURAL DESIGN WEST INC.
LOGAN, UTAH
SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON
(916)-446-2466

E-8

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
EXP. 6/98
ELECTRICAL
STATE OF CALIFORNIA
9/6/97

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

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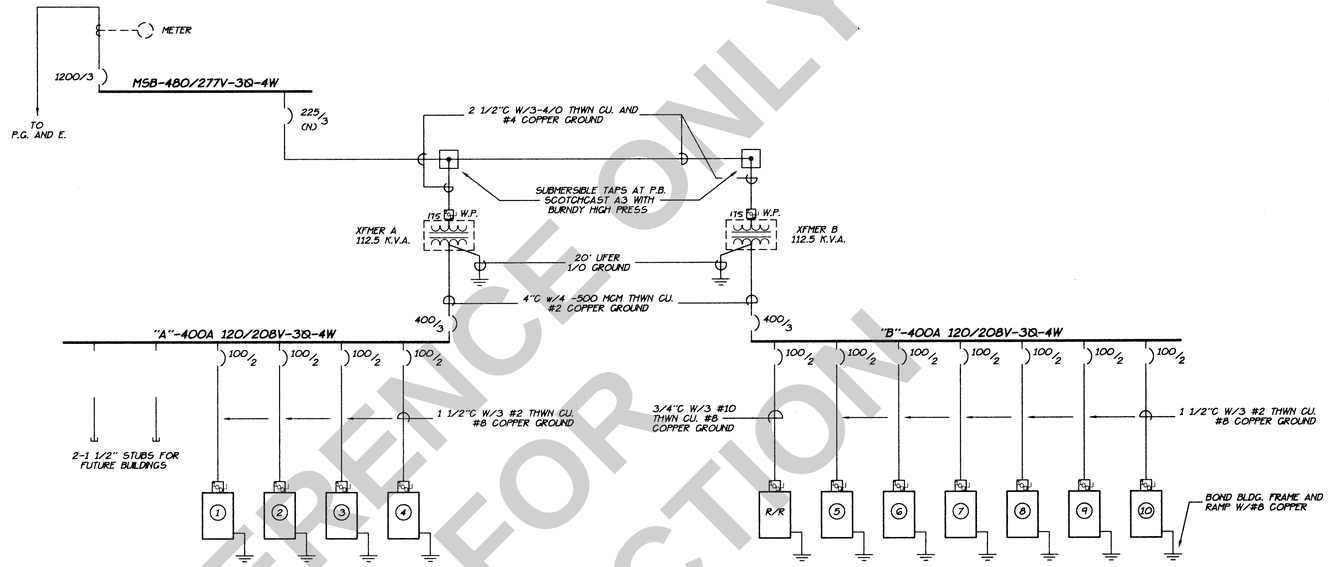
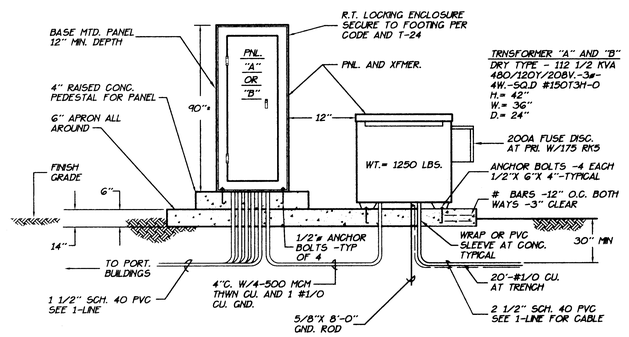


SINGLE LINE DIAGRAM



DETAIL

D-1 / E-9 (CN) XFMER. AND DIST. PANEL "A" AND "B"-TYPICAL

NO SCALE

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NOT FOR
CONSTRUCTION

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DATE 9-18-96
JOB NUMBER 1531
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REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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ARCHITECTS
PLANNERS
CONSULTANTS
ARCHITECTURAL DESIGN WEST INC.
LOGAN, UTAH
SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON
(916)-446-2466

E-9

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
ELECTRICAL
STATE OF CALIFORNIA
9/18/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

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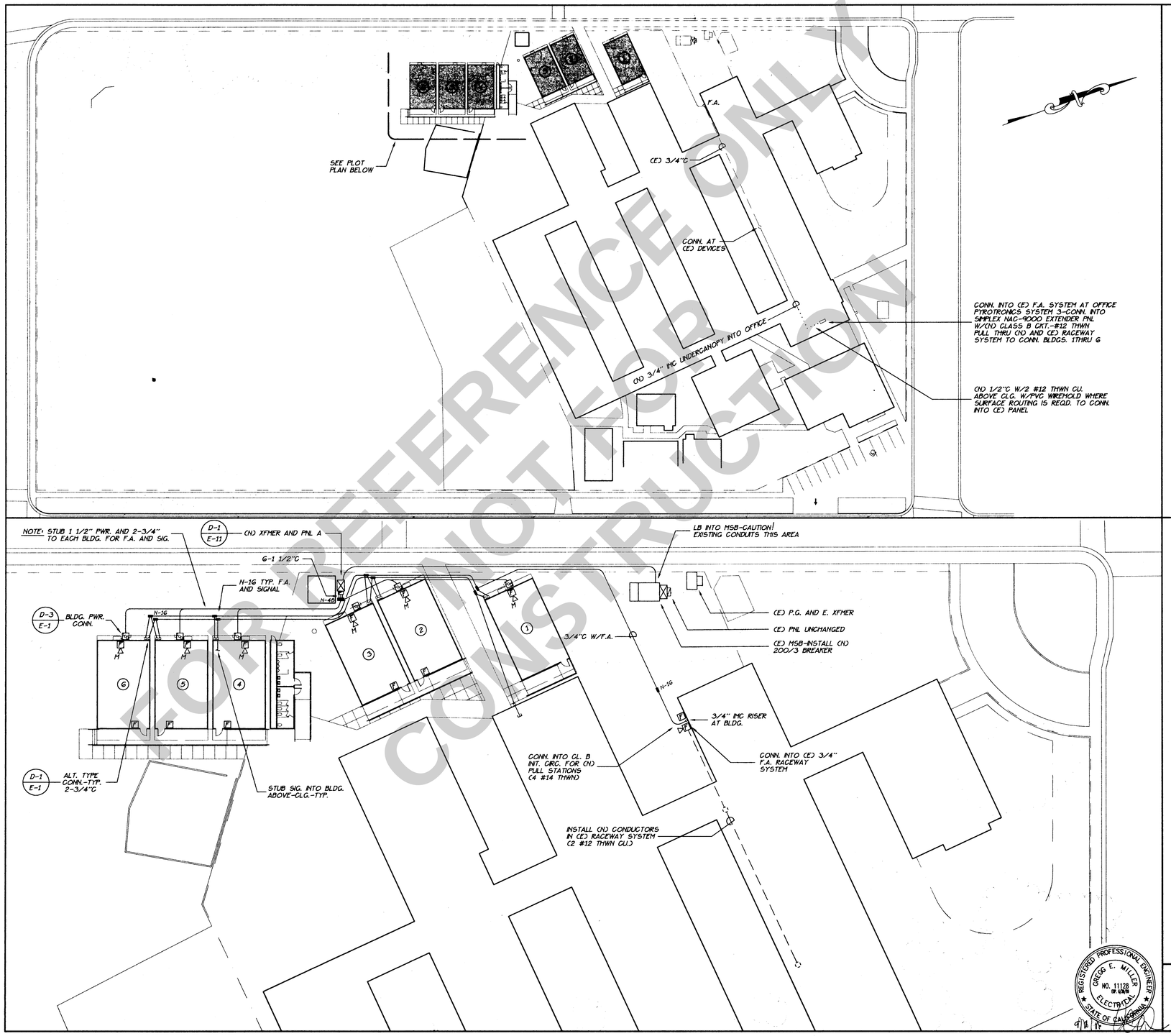
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



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SHEEY ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"

GENERAL NOTES:

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LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. REPAIR ALL UTILITIES DAMAGED DURING CONSTRUCTION TO OWNER'S SATISFACTION.

ERECT AND MAINTAIN ALL REQUIRED SAFETY BARRICADES, PER CALIFORNIA STATE STANDARD SPECIFICATIONS, TITLE 8, TITLE 24, AND OSHA REQUIREMENTS.

SCHEDULE CONSTRUCTION WITH OWNER AND UTILITY COMPANY IN ADVANCE. SCHEDULE ALL ELECTRICAL OUTAGES WITH OWNER AND OBTAIN APPROVAL FOR THE SAME.

SHEEY ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
ELECTRICAL
STATE OF CALIFORNIA
9/16

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

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MERCED COUNTY

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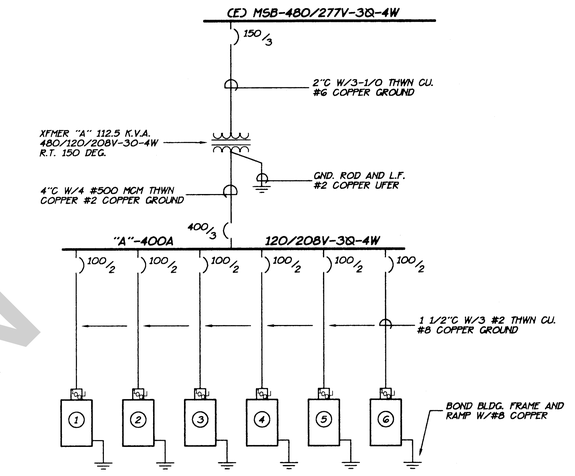

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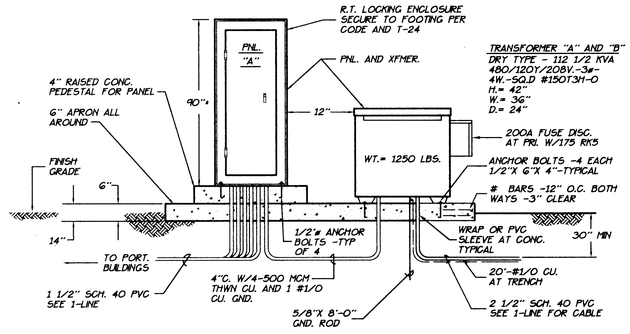

DETAIL

D-1
E-11

(N) XFMER. AND DIST. PANEL "A"-TYPICAL

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MERCED COUNTY

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MODESTO, CA. 95354
FAX: (209) 575-0813

E-11

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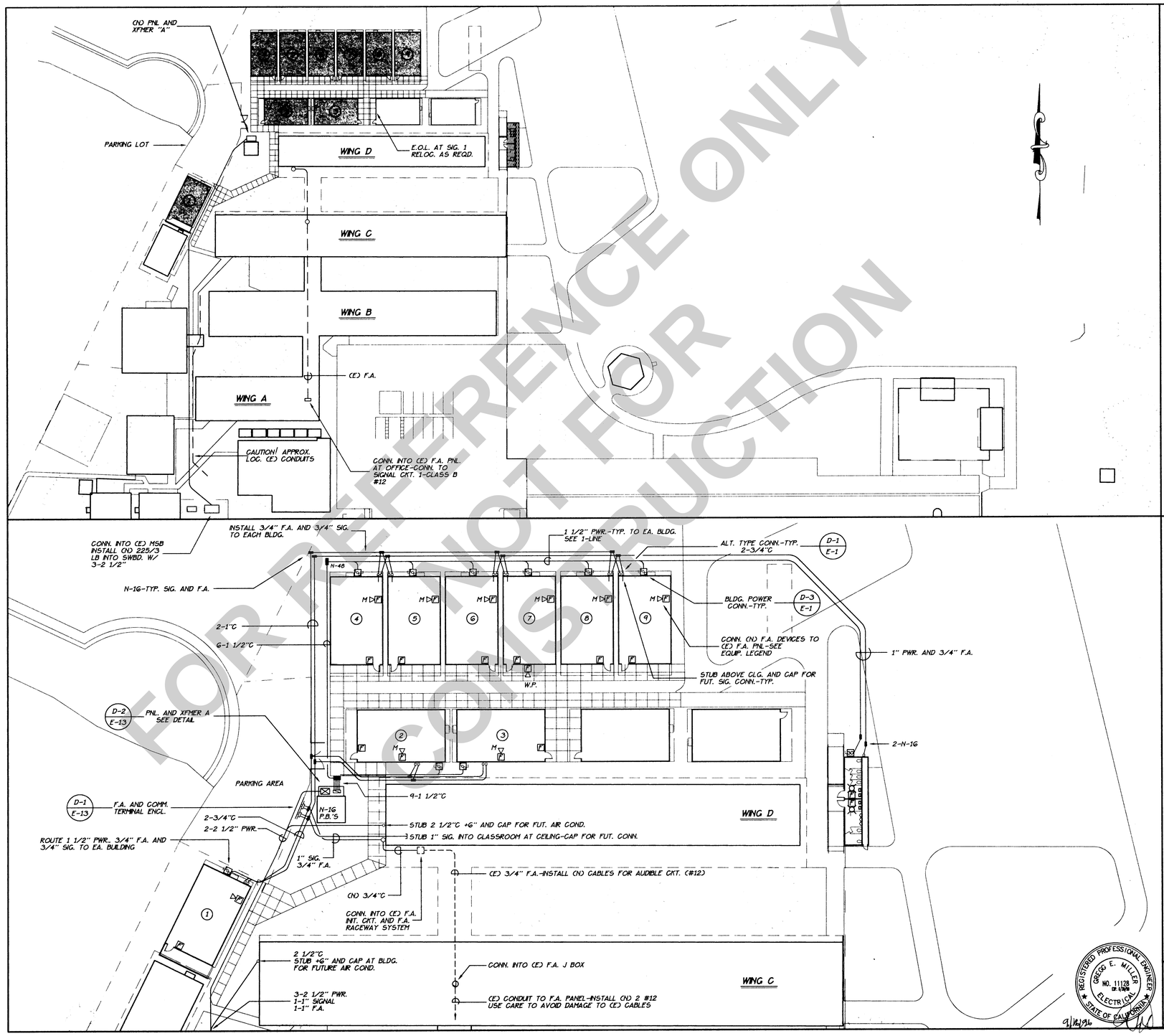

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GIVENS ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"

GENERAL NOTES:

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GIVENS ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128 OF 6/98
ELECTRICAL
STATE OF CALIFORNIA

9/18/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7
MODESTO, CA. 95354
(209) 575-0312
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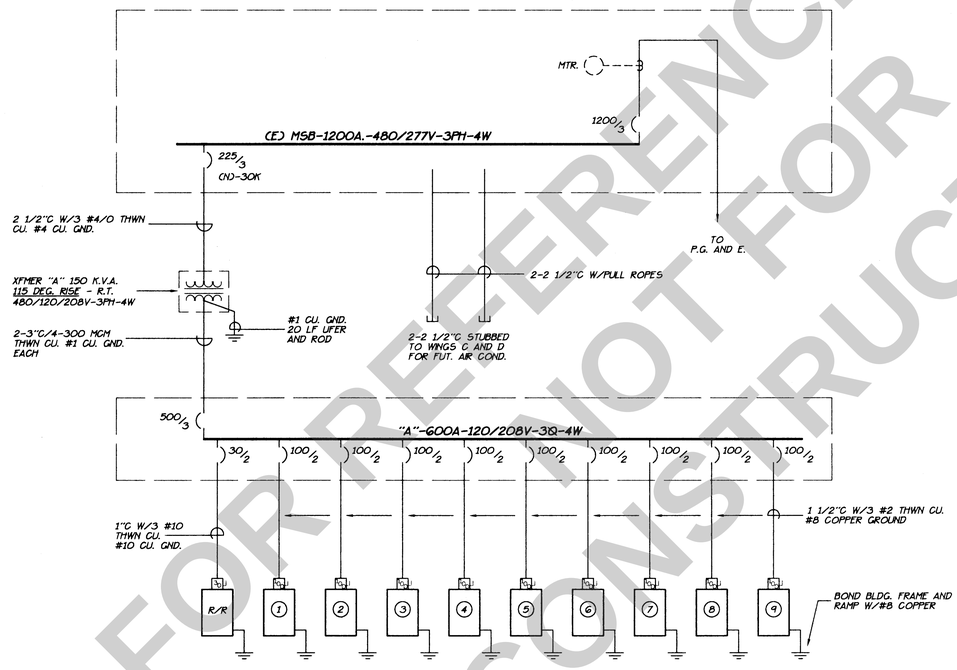
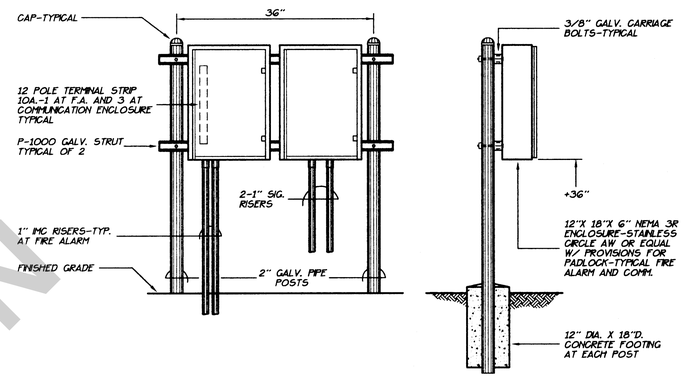


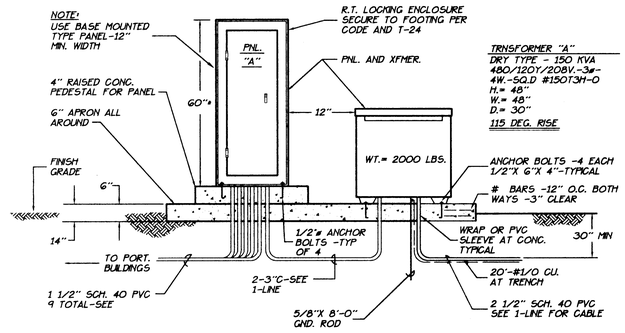
SINGLE LINE DIAGRAM



DETAIL

D-2 / E-13 F.A. AND COMMUNICATIONS TERMINALS

NO SCALE



DETAIL

D-2 / E-13 (N) XFMER. AND DIST. PANEL "A" AND "B"-TYPICAL

NO SCALE

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
ELECTRICAL
STATE OF CALIFORNIA

9/18/96

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CONSULTING ELECTRICAL ENGINEERS
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MERCED COUNTY

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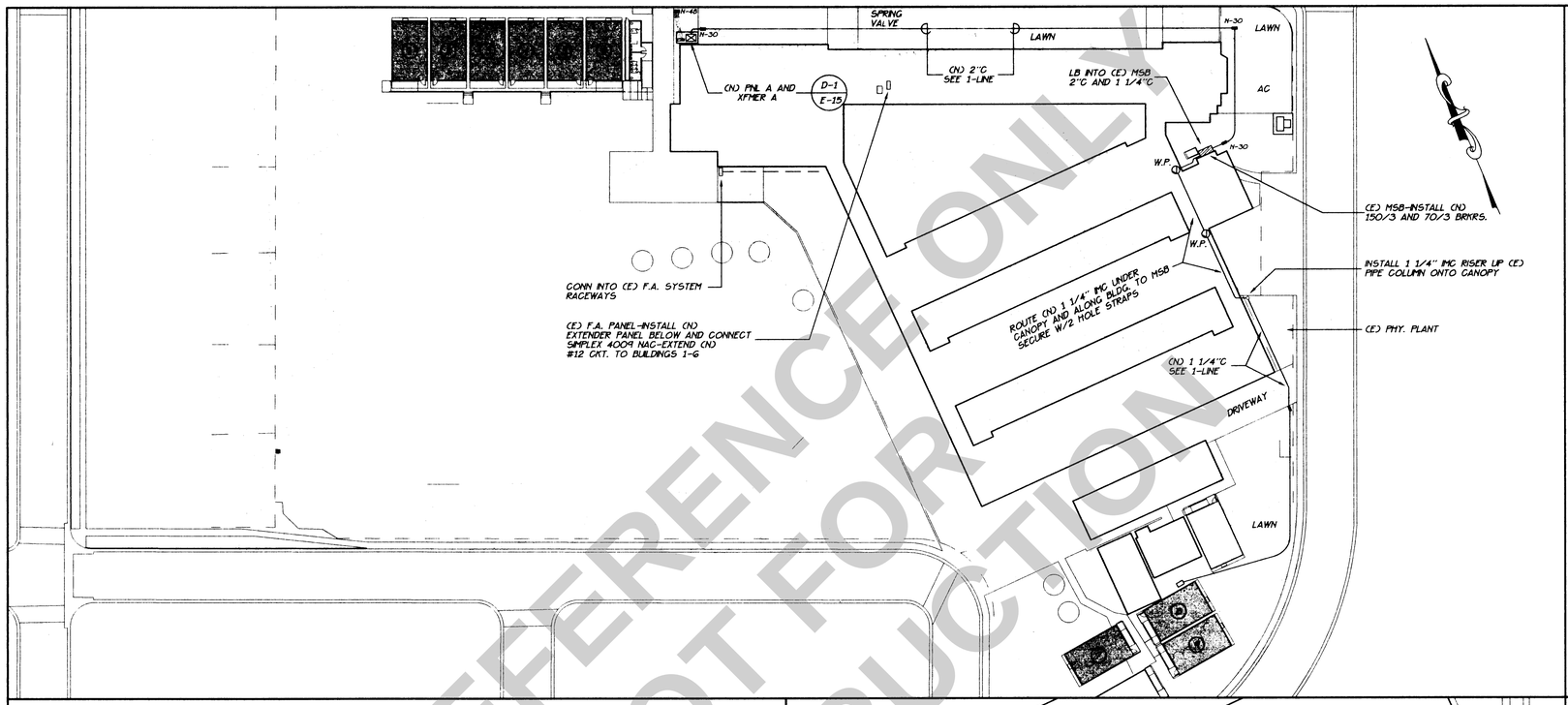

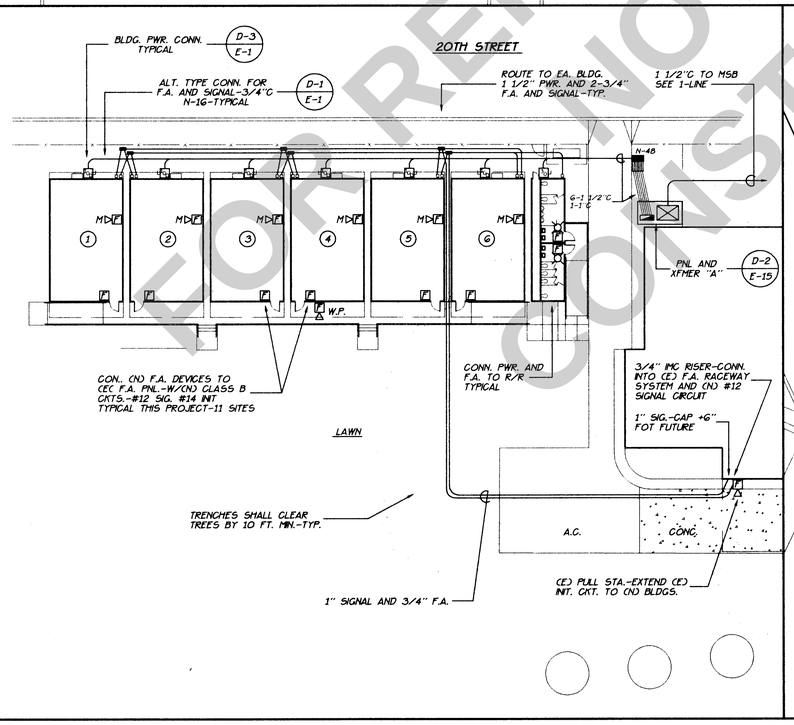

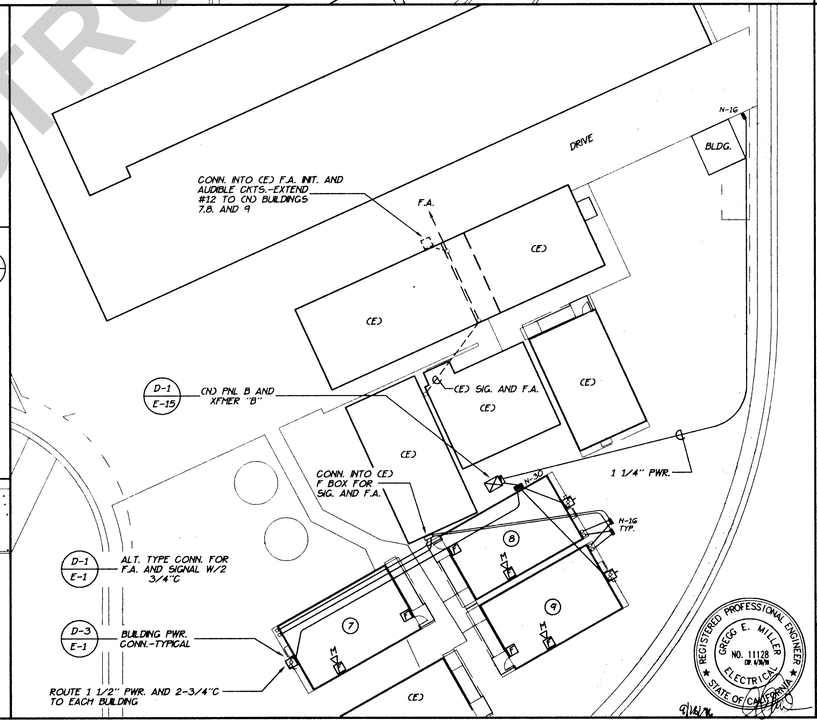

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WRIGHT ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"

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WRIGHT ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
OF CALIFORNIA
ELECTRICAL
STATE OF CALIFORNIA
9/16/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

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DATE 9-18-96
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1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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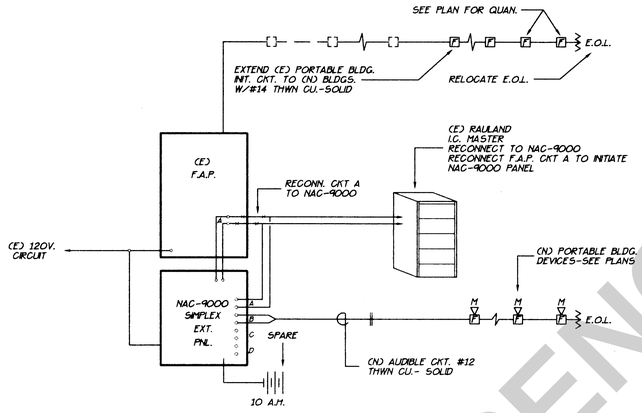
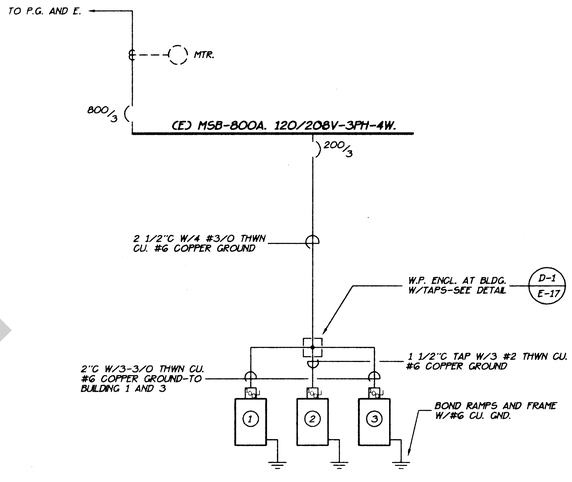
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



FIRE ALARM RISER DIAGRAM



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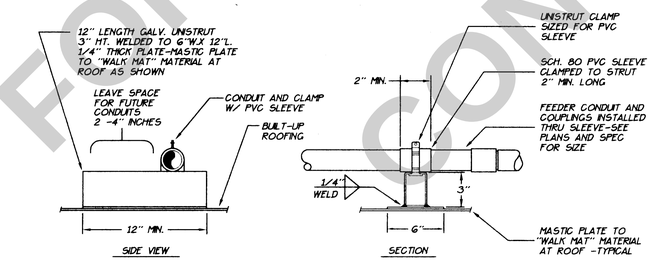
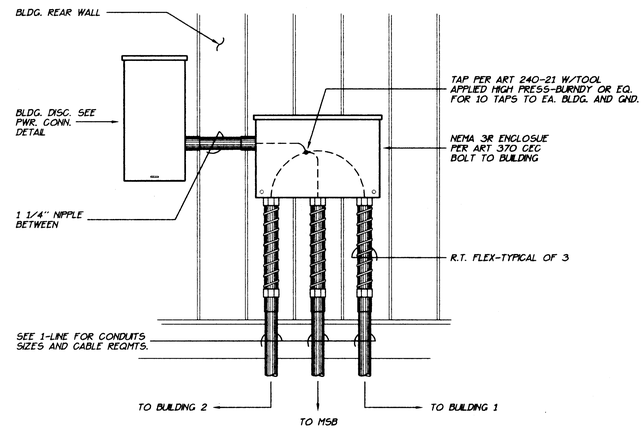


DETAIL

D-2 / E-17 **CONDUIT SUPPORT-TYPICAL**

NO SCALE



DETAIL

D-1 / E-17 **FEEDER TAP AT BUILDING-TYPICAL**

NO SCALE

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MERCED COUNTY

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E-17

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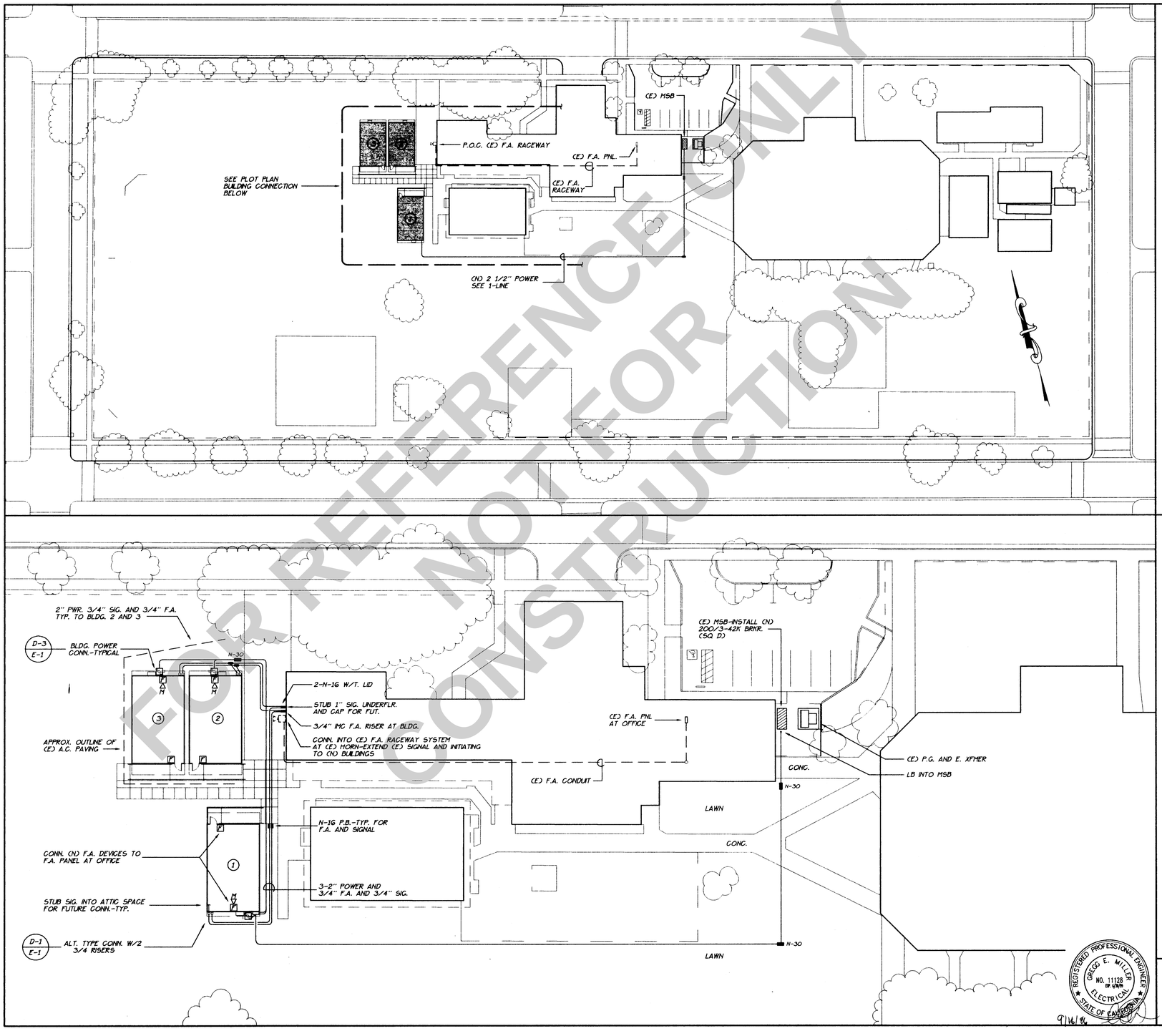

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MUIR ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"

GENERAL NOTES:

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MUIR ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
ELECTRICAL
STATE OF CALIFORNIA

9/16/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
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MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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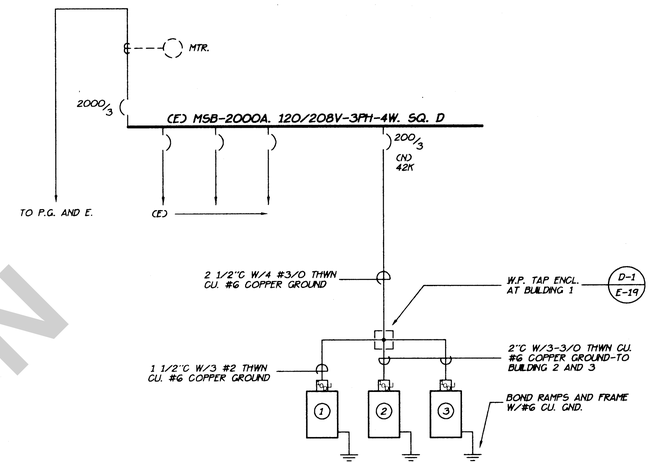

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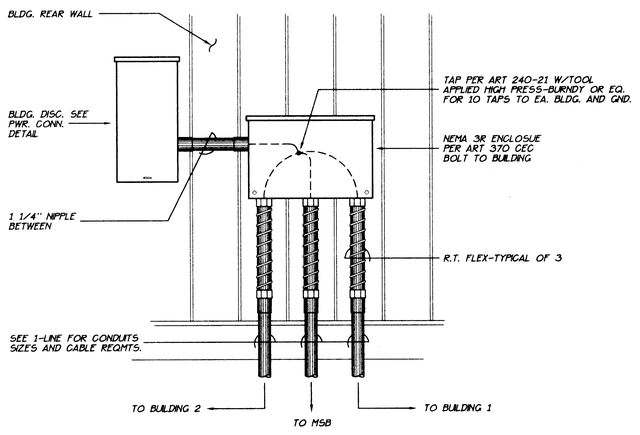

DETAIL

D-1
E-19

FEEDER TAP AT BUILDING-TYPICAL

NO SCALE

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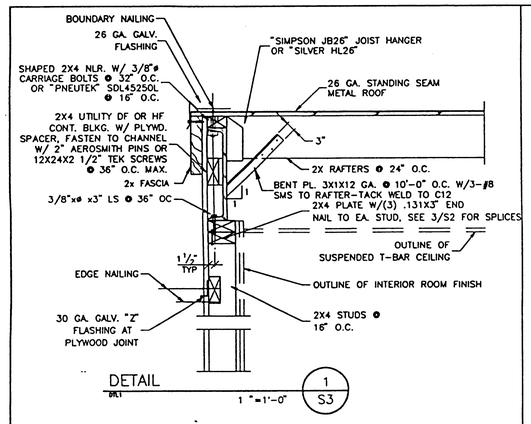
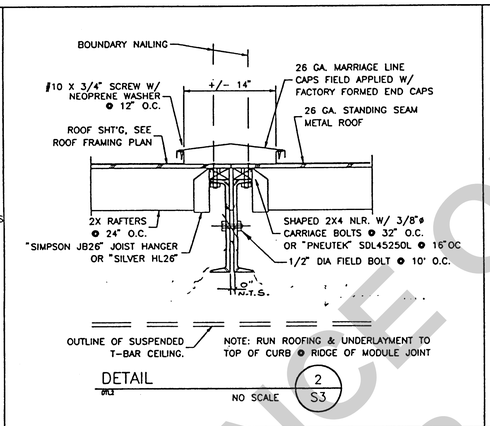
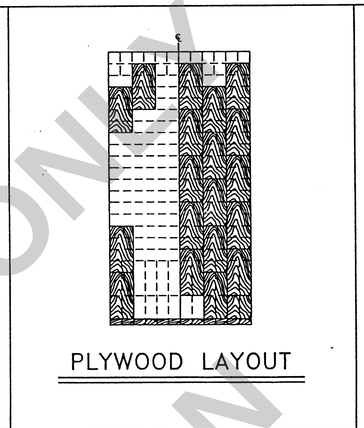
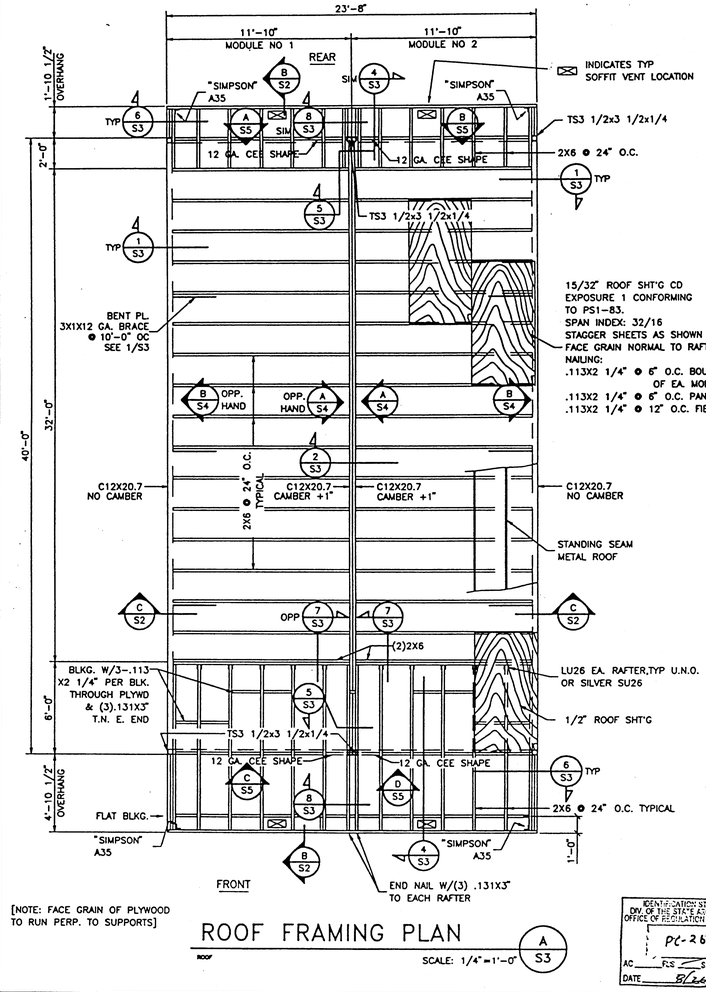
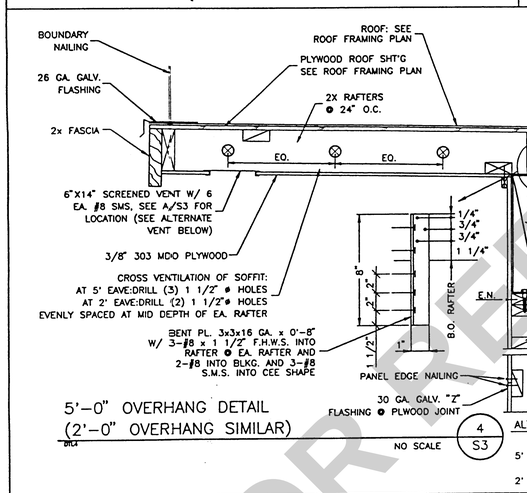
NOT FOR CONSTRUCTION

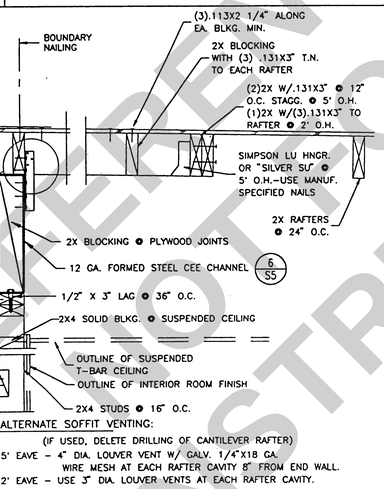


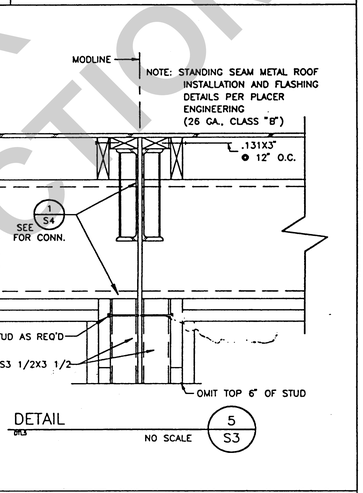


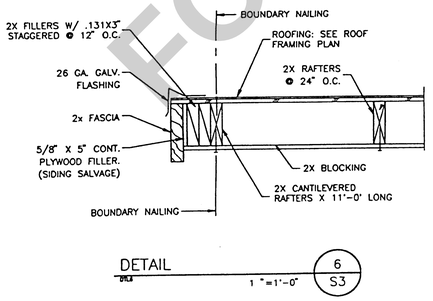


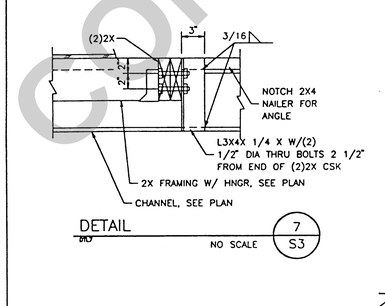


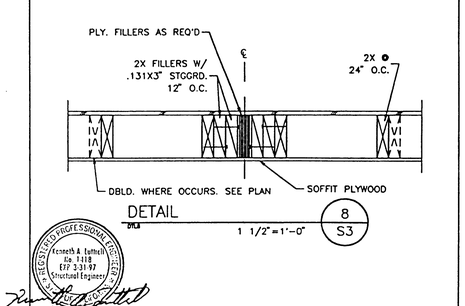












REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luthuli
No. 1218
EXP 3-31-97
Structural Engineer
STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-264
AC FLS SS 22X
DATE 8/26/96

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
BRAD J. ROLLINS
No. 2837
Exp. 9/99
STRUCTURAL
STATE OF CALIFORNIA

CUSTOMER:

ROOF FRAMING PLAN & DETAILS

DATE: 11-23-92
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

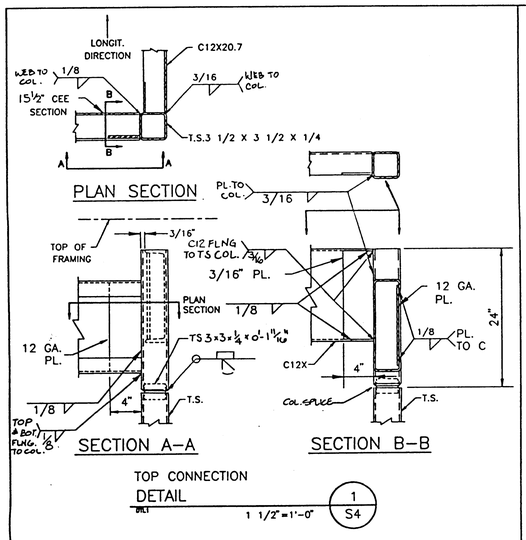
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			4		
2			5		
3			6		

PROJECT No. 96003

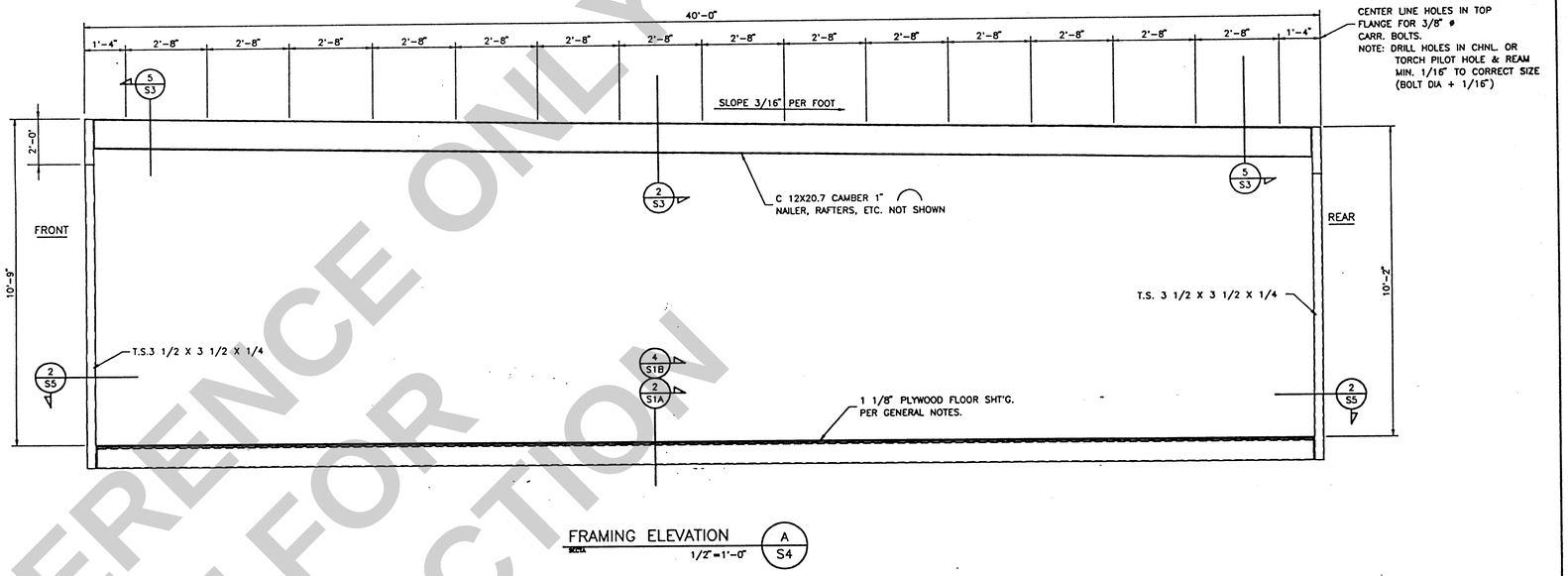
SHEET No. S3

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

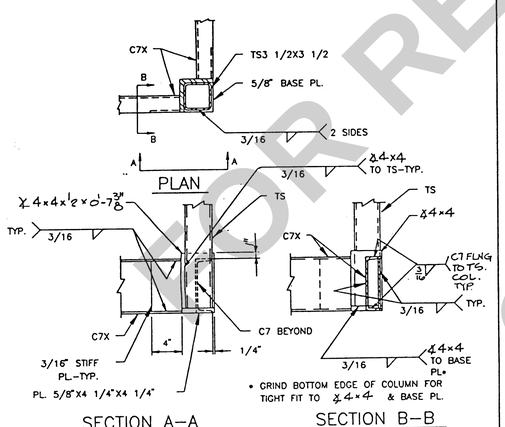
FOR REFERENCE ONLY
NOT FOR CONSTRUCTION



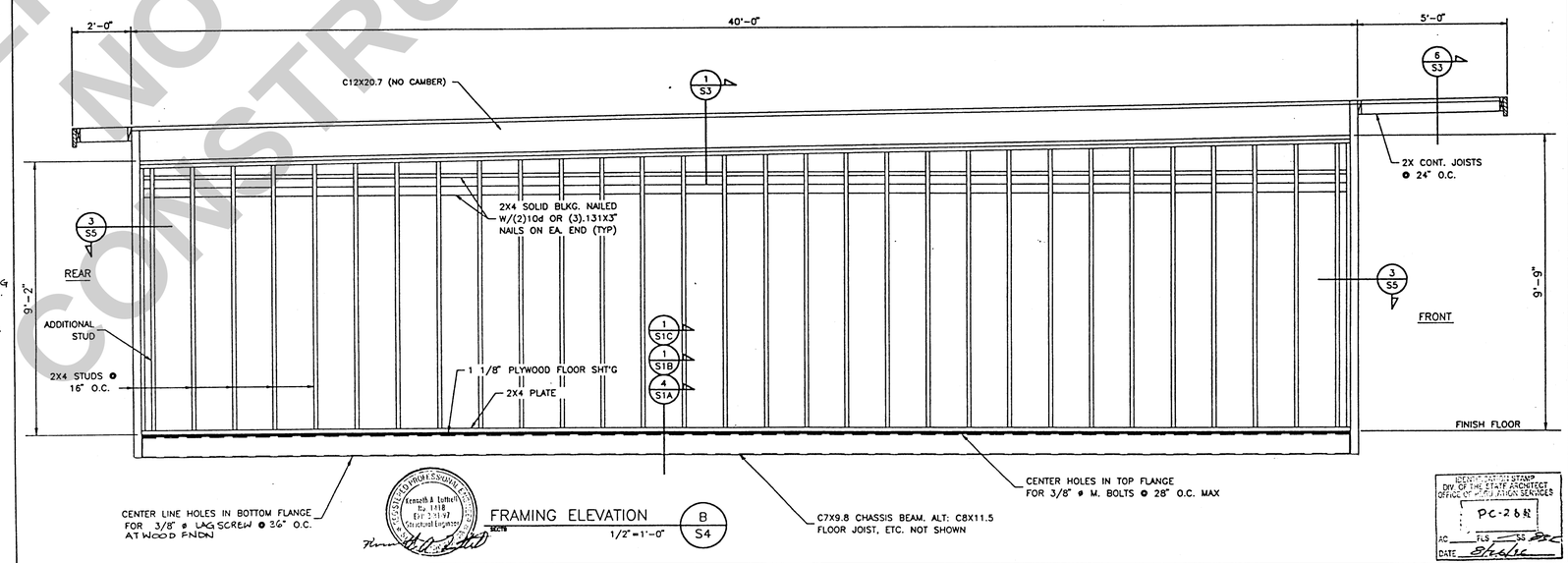
TOP CONNECTION DETAIL 1 / S4
DRL1 1 1/2" = 1'-0"



FRAMING ELEVATION A / S4
SCALE 1/2" = 1'-0"



BOTTOM CONNECTION DETAIL 2 / S4
DRL1 1 1/2" = 1'-0"



FRAMING ELEVATION B / S4
SCALE 1/2" = 1'-0"

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER — DOUGLAS J. ROLLINS — No. 2837 Exp. 9/99 — STRUCTURAL — STATE OF CALIFORNIA

CUSTOMER:

FRAMING ELEVATIONS & DETAILS

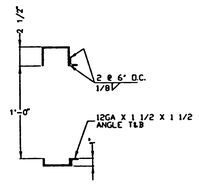
DATE: 4-1-96
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

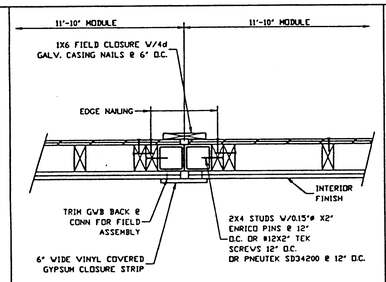
PROJECT No. 96003

SHEET No. S4

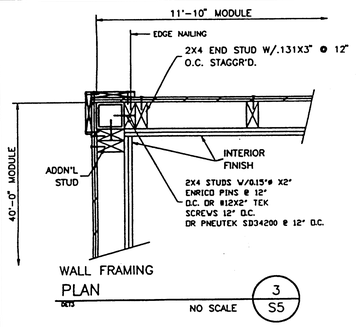
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-288
AC FLS SS
DATE 5/16/96



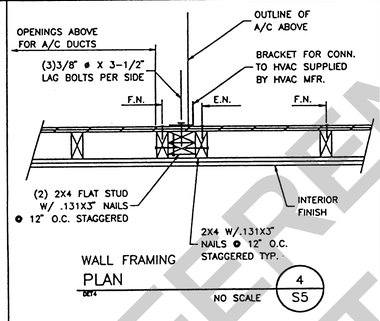
A/C DUCT OPENING DETAIL — NO SCALE — 1 / S5



WALL FRAMING PLAN — NO SCALE — 2 / S5



WALL FRAMING PLAN — NO SCALE — 3 / S5



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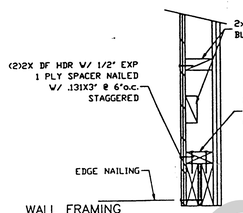
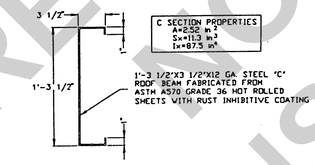
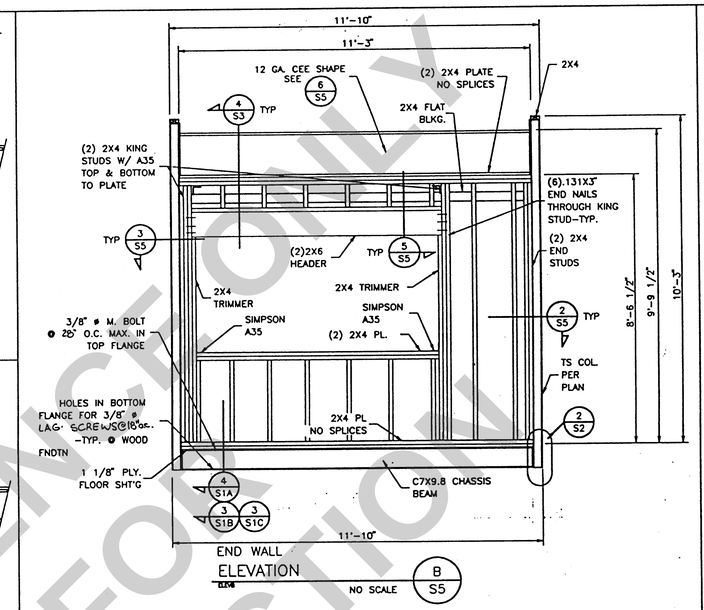


WALL FRAMING PLAN — NO SCALE — 5 / S5

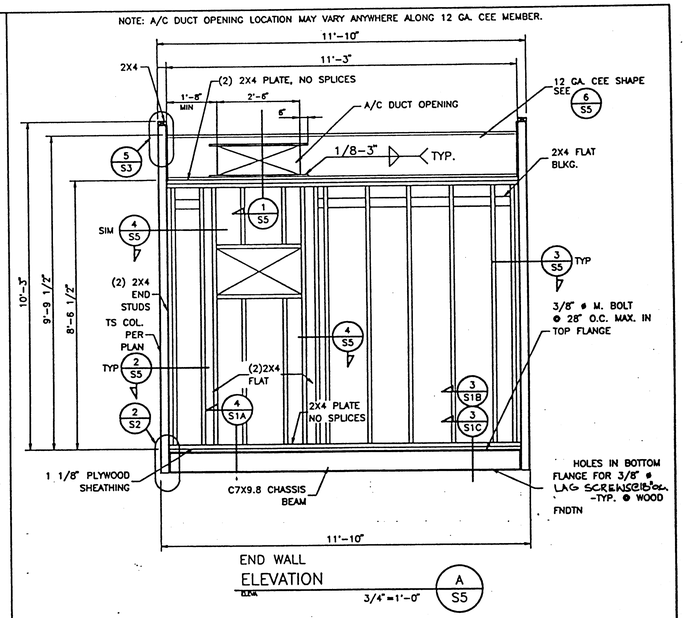


DETAIL — NO SCALE — 6 / S5

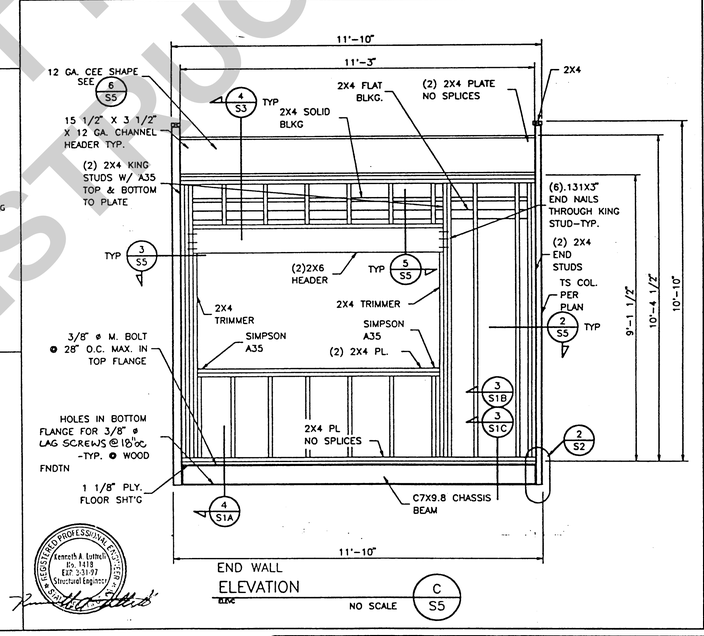


END WALL ELEVATION — NO SCALE — B / S5

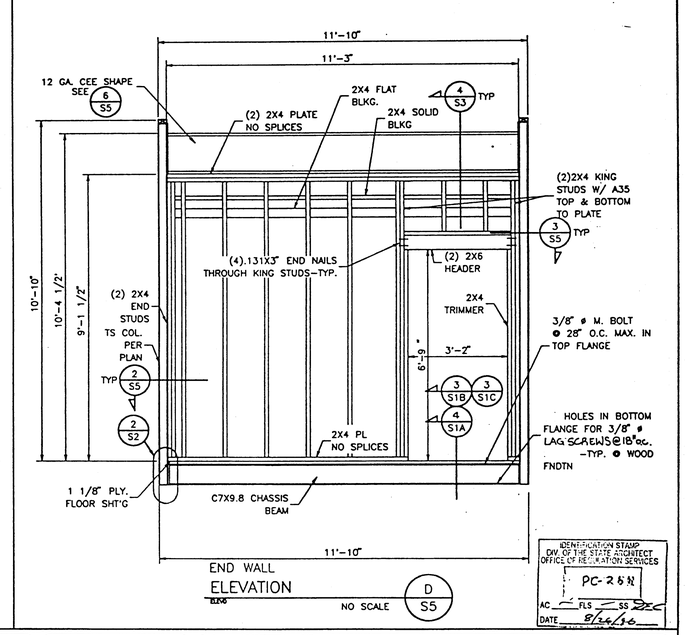
NOTE: A/C DUCT OPENING LOCATION MAY VARY ANYWHERE ALONG 12 GA. CEE MEMBER.



END WALL ELEVATION — 3/4"=1'-0" — A / S5



END WALL ELEVATION — NO SCALE — C / S5



END WALL ELEVATION — NO SCALE — D / S5

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER — Kenneth A. Luttrell — No. 1418 — EXP. 3-31-97 — Structural Engineer

IDENTIFICATION STAMP — DIV. OF THE STATE ARCHITECT — OFFICE OF REGULATION SERVICES — PC-268 — AC — FLS — SS — DATE 5/24/96

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER — BRAD J. ROLLINS — No. 2837 — Exp. 9/99 — STRUCTURAL — STATE OF CALIFORNIA

CUSTOMER:

FRAMING ELEVATIONS AND DETAILS

DATE: 4-1-96
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

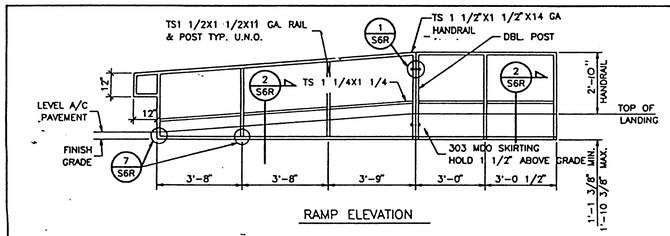
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

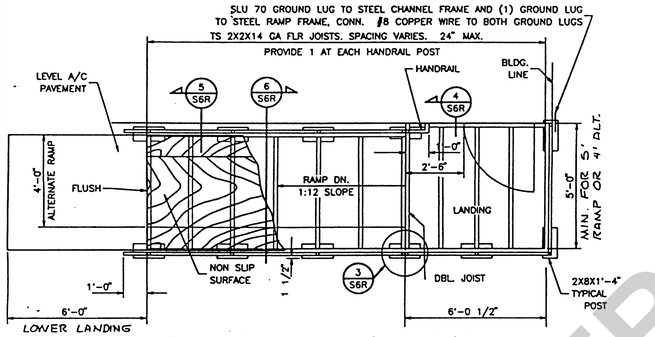
PROJECT No. 96003

SHEET No. S5

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



RAMP ELEVATION

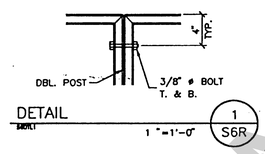


ALTERNATE: RAMP MAY BE FABRICATED 4'-0" WIDE. SEE 6/S6R
OPTIONAL RAMP SEE 6/S6R

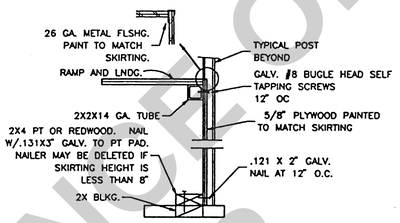
RAMP PLAN

NOTE: RAMP & LANDING TO BE FABRICATED IN SECTIONS (2 MIN) FOR MOVING

RAMP (A) S6R — 3/8"=1'-0"

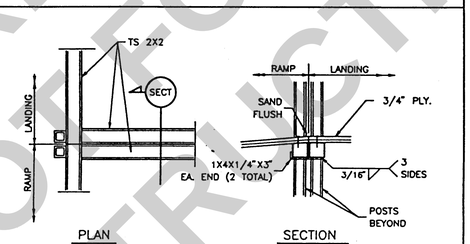


DETAIL 1 S6R — 1"=1'-0"

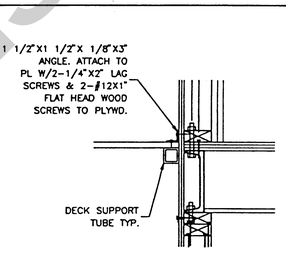


NOTE: FIT PLYWOOD WITHIN 1" MAX OF SOIL PT PADS AND FRAMING

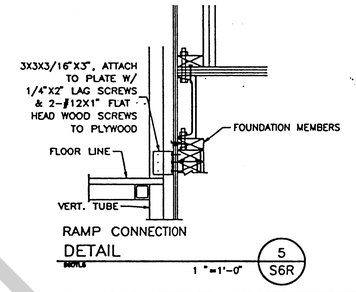
RAMP SKIRT DETAIL 2 S6R — 1"=1'-0"



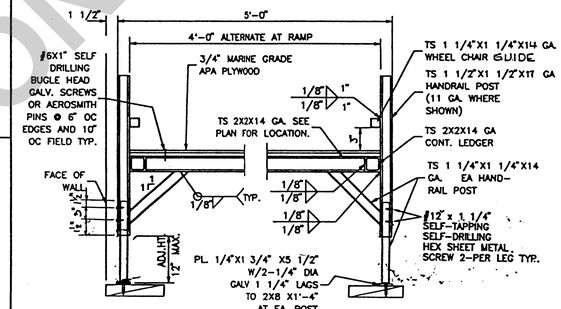
HANDRAIL DETAIL 3 S6R — 1"=1'-0"



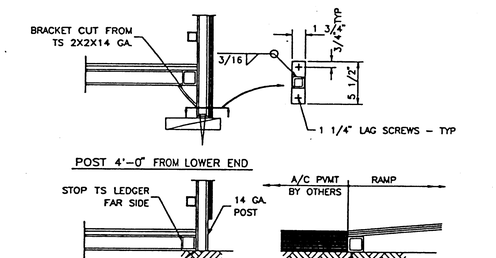
LANDING ATTACHMENT DETAIL 4 S6R — 1"=1'-0"



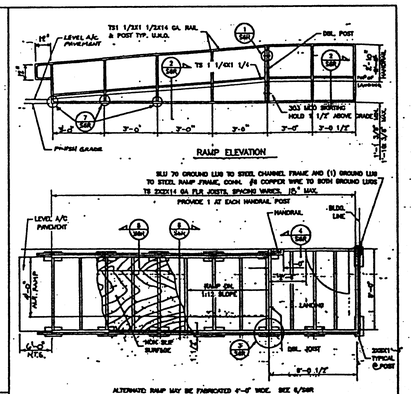
RAMP CONNECTION DETAIL 5 S6R — 1"=1'-0"



HANDRAIL AND RAMP SECTION 6 S6R — 1"=1'-0"



LOWER END POST DETAIL 7 S6R — 1 1/2"=1'-0"



ENTRY RAMP AND LANDING SPECIFICATIONS

EACH BUILDING SHALL HAVE A RAMP AND LANDING TO CONFORM TO TITLE 24 CCR SECTIONS 3306 AND 3307. THE RAMP AND LANDING STRUCTURES INCLUDING HANDRAIL AND WHEEL GUIDES ARE TO BE PREFABRICATED METAL IN SECTIONS THAT ARE DEMOUNTABLE FOR MOVING AND REINSTALLATION AT A NEW SITE.

DESIGN SHALL BE SUCH THAT HEIGHT ADJUSTMENT CAN BE MADE AT THE INSTALLATION SITE. TUBING SHALL BE STEEL CONFORMING TO ASTM A500 GRADE B.

THE RAMP SURFACE SHALL BE 3/4" MARINE GRADE PLYWOOD.

RAMP AND LANDING SHALL HAVE A NON-SKID SURFACE FINISH APPLIED. NON-SKID FINISH SHALL BE AMCOE GRIP II MANUFACTURED BY AMERICAN CHEMICAL CO. OR EQUIVALENT. ALL RAMP SURFACES SHALL BE PAINTED AS INDICATED IN SECTION 3.3.19. RAMPS SHALL HAVE HANDRAILS ON BOTH SIDES. WALL MOUNTED HANDRAILS SHALL BE OF SIMILAR CONSTRUCTIONN TO THE INTEGRAL RAMP HANDRAIL.

RAMP AND LANDING SHALL BE FULLY SKIRTED WITH THE SAME MATERIAL USED FOR BUILDING SKIRT. SIDES OF RAMP AND LANDING THAT DO NOT ADJOIN BUILDING WALL SHALL BE SKIRTED. ALL EDGES OF THE PLYWOOD SKIRT SHALL BE SUPPORTED AND PROTECTED FROM WEATHER. FOUNDATION MEMBERS SHALL BE AS FOR BUILDING FOUNDATION. ONLY THE FOUNDATION PAD RESTING ON GRADE MAY EXTEND BEYOND THE OUTSIDE FACE OF THE SKIRT 1" MAXIMUM

OPTIONAL VERTICAL HANDRAIL POST MAY BE 1 1/2" x 1 1/2" x14 ga @ 8' SPACING IE 3'-0" OR LESS

FLOOR DECKING:

3/4" MARINE EXT. APA 48/24 PLYWOOD W/ NON-SKID SURFACE. (SEE ALTERNATE) DECK SURFACES SHALL BE SEALED ON ALL SIDES. FASTENED TO STEEL FLOOR MEMBERS WITH #10-24 X 1 1/4" LONG PLY-METAL TYPE SCREWS @ 12" O.C.

ALT. FLOOR DECKING:

1. 11 GA SHEET METAL WITH NON-SKID SURFACE.

GROUNDING OF BUILDING COMPONENTS:

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECCESSARY CONNECTORS TO GROUND THE METAL PORTIONS OF THE BUILDING (I.E. FRAME, RAMP, ETC.) GROUNDING ROD, WIRES AND TESTING SHALL BE PROVIDED BY OTHERS AND MEET THE REQUIREMENTS OF I.R. #8-1 ISSUED BY DSA.

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

Kenneth A. Luttrell — No. 14318 — Exp. 2-28-97 — Structural Engineer

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

Richard J. Rollins — No. 2837 — Exp. 9/99 — Structural — State of California

CUSTOMER:

RAMP PLAN ELEVATION AND DETAILS

DATE: 4-1-98
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

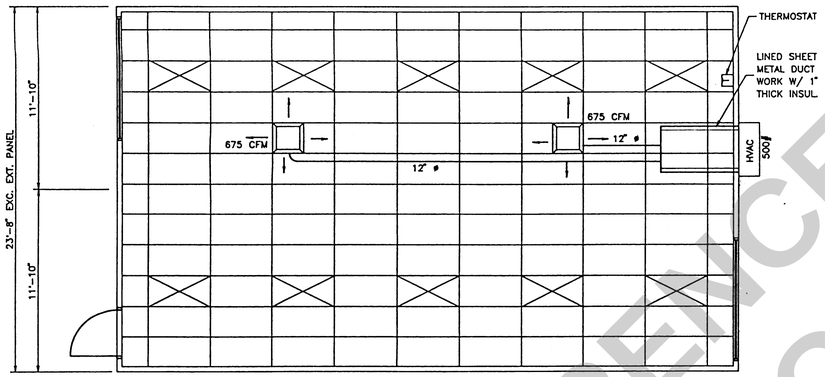
REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No. 96003

SHEET No. S6R

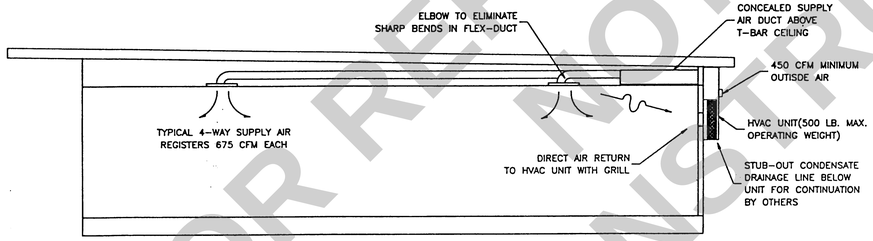
Revised 6/26/98
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-264
AC
FLS
DATE 8/26/98

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



HEAT/SUPPLY AIR DUCT LAYOUT

SCALE: 1/4"=1'-0"



HEAT/SUPPLY AIR DUCT CROSS SECTION

SCALE: 1/4"=1'-0"

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HVAC)

1. Heat Pump: Single package wall mounted air to air electric heat pump unit shall be rated in accordance with ARI Standard 240–77.
   Reference Brands: BARD WH42A–XXXXXX
   MARVAIR AVP 42 HPA–08S

   All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards. All units shall incorporate an exterior factory mounted thermostat to sense the outside ambient temperature and stage the electric heat controllers. The circuitry shall prohibit the supplemental electric heat strips from operating simultaneously with the heat pump compressor. The thermostat shall be factory preset at 25 degrees F. and adjusted to the thermal balance point of the structure to allow the heat strips to operate only below that setting. If the outdoor temperature is above this point the heat pump shall operate and the electric heat strips shall be locked out.
   A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer
   B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.
2. Duckwork.
   A.) Construct all ductwork of galvanized sheet metal in accordance with U.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 5'0" of HVAC unit.

   B.) Non–metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex–duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 5' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure.
   Reference Brands: Owens–Corning fiberglass ducttboard, 1" thick, and Micro–aire, TYPE 475.
   Non–metallic ductwork shall conform to NFPA 90–A and SMACNA Class 1 rating.
3. Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.
4. Supply air diffusers shall be 675 CFM max. 15"x15" neck, steel, rigid 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro–Aire type #475 Owens–Corning, Knauf, Certainteed, or equal and 90– B: UL #131 test, class 1 rating with "SMACNA".
5. Registers and diffusers: Provide three (Min) 4–way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, , Shoemaker, Barber–Coleman or Krueger commercial grade grills and registers
6. Air conditioning controls.
   Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
   A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24–hour period.
   B.) Key board lockout switch.
   C.) Programmable display.
   D.) 2–hour override minimum.
   E.) Status Indicated Led's.
   F.) Battery back–up.
   Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers 1F92.
7. Thermal insulation
   A.) Roof Insulation: R–19 Unfaced.
   B.) Walls Insulation: R–11 Kraft Faced.
   C.) Floors Insulation: R–11 Kraft Faced.
   Flame spread and smoke development shall conform to California Building Code sec. 707.
8. Factory–made air ducts. Factory–made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6–1. Each portion of a factory–made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 6–1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6–1.

DUCT SUPPORT
Flex duct to be supported with 1–1/2" wide x 26 ga. galv. strap @ max 6'–0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1–1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY
WITH THE ENERGY CONSERVATION REQUIREMENTS
OF TITLE 24 OF THE STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-268
AC 4 FLS 11 85 BRD
DATE 8/1/96

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

FLOOR PLAN & NOTES

DATE: 12-7-95
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

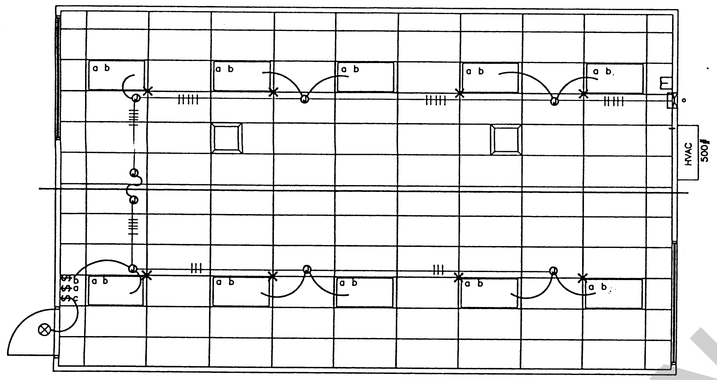
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			6		
2			7		
3			8		
4			9		
5			10		

PROJECT No.

SHEET No. M 1

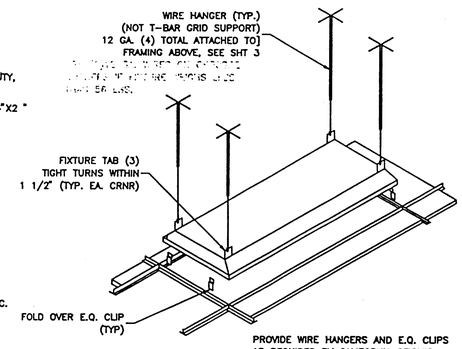
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



1 / E1 LIGHT FIXTURE PLAN
1/4" = 1'-0"

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- FLUORESCENT LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +15" MIN.
- SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE. +45" MAX.
- LECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1 ",#22 4"X2 "
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- a — SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +15". HOSPITAL GRADE. MIN. HE16HT
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.
- NOTE — BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, -III- 3#14, -IIII- 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, -III10 3#10, -IIIT 4#6 ETC.
- (A) — FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. — ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT — ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] — WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- (F) — FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48" CENTERLINE
- FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.
- FIRE ALARM VISUAL ALARM– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96". IF CEILING MOUNTED PER NFPA72 TABLE 6-4.4.1(b).
- SPEAKER– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- INTERCOM TELEPHONE– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- (M) — FIRE ALARM MINI HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.



SUPPORT DETAIL

PROVIDE WIRE HANGERS AND E.Q. CLIPS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS CBC 2501.A.5 & IR. 47-4

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. ENERGY SAVING BALLAST. (4)35 WATT TUBES, WT. 27 LBS.	156 W	CRESCENT 24TF440DLA
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	KENALL 3714 OR LITHONIA 202 2/7PL LP
	INCANDESCENT WALL MOUNTED	150W	PROGRESS P3011x30"

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES.
FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 760 &CA. FIRE CODE ART. 10.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STAT ARCHITECT.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC 250-94 & 95.
2. ALLOW FOR 12" MOVEMENT IN ANY DIRECTION IF PAD FOUNDATION IS USED.
3. PROVIDE BONDS TO BLDG. STEEL & PANEL (#6 CU)
4. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

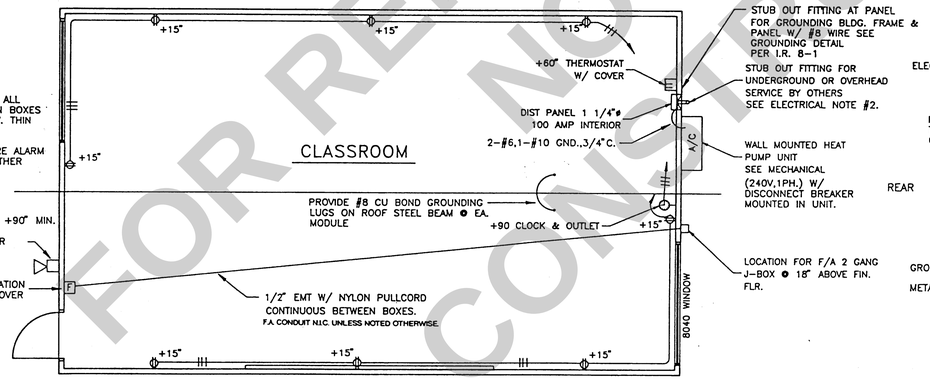
FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE TITLE 24.
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

ELECTRICAL

1. Electrical service drop and connections supplied by others.
2. Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
4. 2x4 Flourescent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
5. Flourescent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
6. Clock – 12" dial clock on clock outlet.
   A) Clock shall be General Electric model 2912 129V 60 cycle
   B) Clock outlet shall be Bryant #2828 or equal with seperable hanging clip & app'd recept.

The H.V.A.C. unit feeder circuit – panel circuit breaker, feeder wire, unit disconnect and fuses (where used) – is to be coordinated with the name plate data at the time ofmanufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.



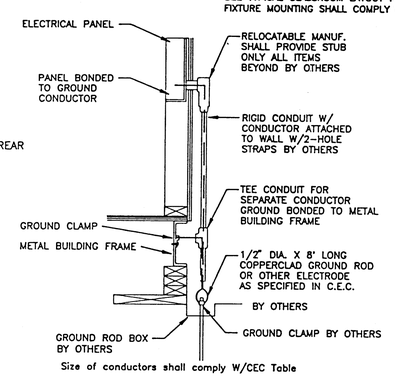
STUB OUT FITTING AT PANEL FOR GROUNDING BLDG. FRAME & PANEL W/ #8 WIRE SEE GROUNDING DETAL PER I.R. 8-1

STUB OUT FITTING FOR UNDERGROUND OR OVERHEAD SERVICE BY OTHERS SEE ELECTRICAL NOTE #2.

2 / E1 ELECTRICAL PLAN
1/4" = 1'-0"

FIRE ALARM
Junction boxes – Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18- above finish floor for future connection.
Covers – Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations.

If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing anency



Size of conductors shall comply W/CEC Table

Bond separate conductors from ground rod to electrical panel & metal building from. In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available.
Electrical bond modules together W/#8 CU @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods as required. Grounding detail per I-R 8-1.

A / E1 BUILDING GROUND DETAIL
N.T.S.

VOLTS: 120/240 SINGLE PHASE					PANEL: A				FEED: EXTERIOR LB			
MAIN: 100 AMP MAIN BKR.					LOCATION: INTERIOR				MOUNTING: FLUSH			
LOAD	WATTS A	WATTS B	BRK. AMP	C PR	A	B	C R	BRK. P	AMP	WATTS A	WATTS B	LOAD
LIGHTS, FLUORESCENT	960		15	1 1			2	2	50	4476		A/C HVAC UNIT
LIGHTS, FLUORESCENT		960	15	1 3			4	2	50		4476	
EXTERIOR LIGHT & CLOCK	100		15	1 5			6					SPACE
DUPLEX RECEPT.		720	15	1 7			8					
DUPLEX RECEPT.	720		15	1 9			10					
SPACE				11			12					
				13			14					
				15			16					
PHASE WATTAGE	1880	1680		17	+		18			4476	4476	PHASE WATTAGE
TOTAL WATTS "A" LEG: 6556			TOTAL WATTS A+B= 2743							TOTAL WATTS "B" LEG 6156		
TOTAL WATTS: 15455		65	AMPS	120/240V		SINGLE PHASE					100AMP BUS.	
FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.												

3 / E1 ELECTRICAL DISTRIBUTION PLAN
1/4" = 1'-0"

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. PC-264
AC. FLS SS
DATE 8/26/96

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

FLOOR PLAN & NOTES

DATE: 12-7-95
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			4		
2			5		
3			6		

PROJECT No.

SHEET No. E 1

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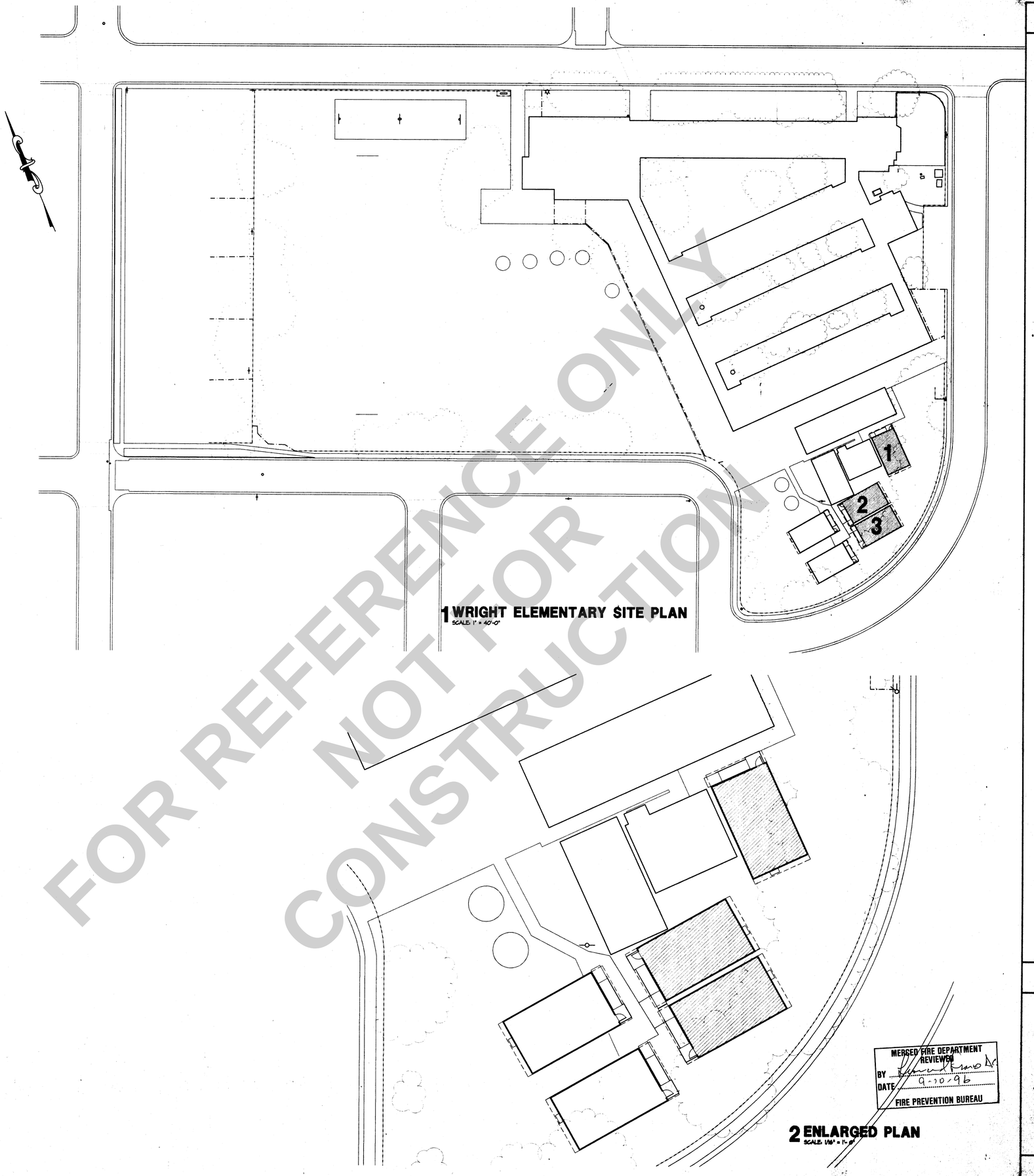
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



1 WRIGHT ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"

2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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GENERAL NOTES

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INI

REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

STATE OF CALIFORNIA
Department of General Services
OCT 18 1996
Division of the State Architect
Regulation Services Section

MERCED FIRE DEPARTMENT
REVIEWED
BY
DATE 9-10-96
FIRE PREVENTION BUREAU

KEY PLAN

WRIGHT

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DESIGN WEST INC.
LOGAN, UTAH
SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON

A-11.0

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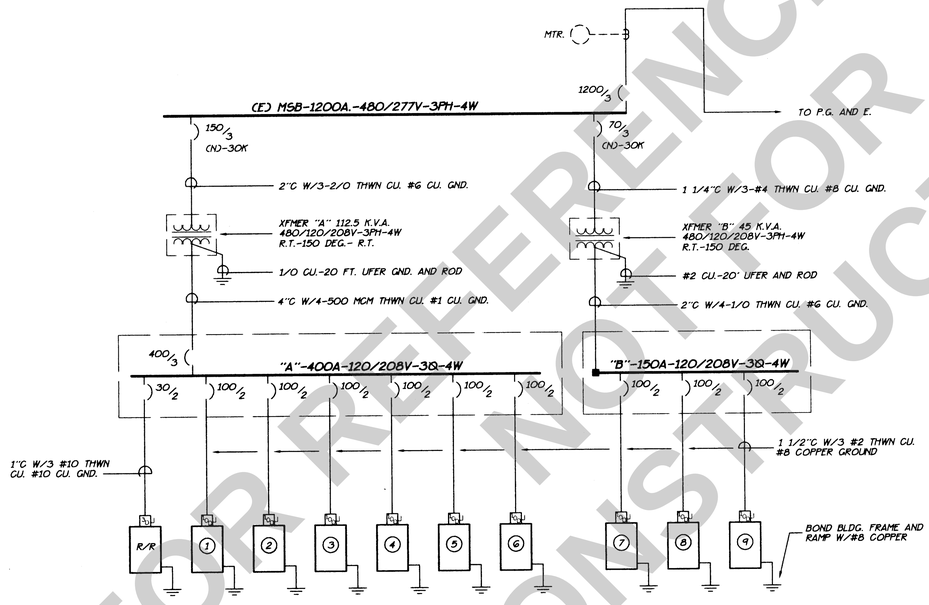
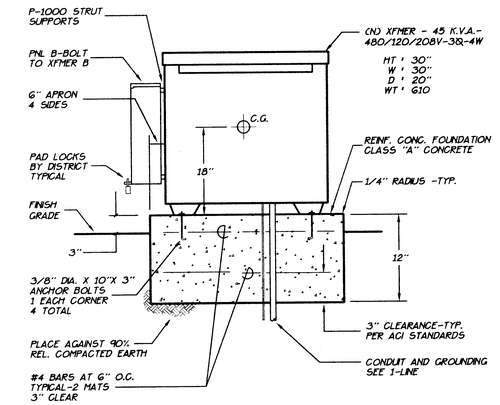


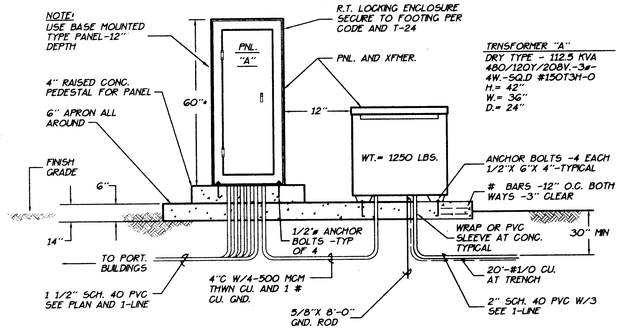
SINGLE LINE DIAGRAM



DETAIL

D-1 / E-15 — (N) 45 K.V.A. TRANSFORMER "B"

NO SCALE



DETAIL

D-2 / E-15 — (N) XFMER. AND DIST. PANEL "A"

NO SCALE

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MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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LOGAN, UTAH
SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON
(916)-446-24

E-15

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
EXP. 6/30/98
ELECTRICAL
STATE OF CALIFORNIA

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

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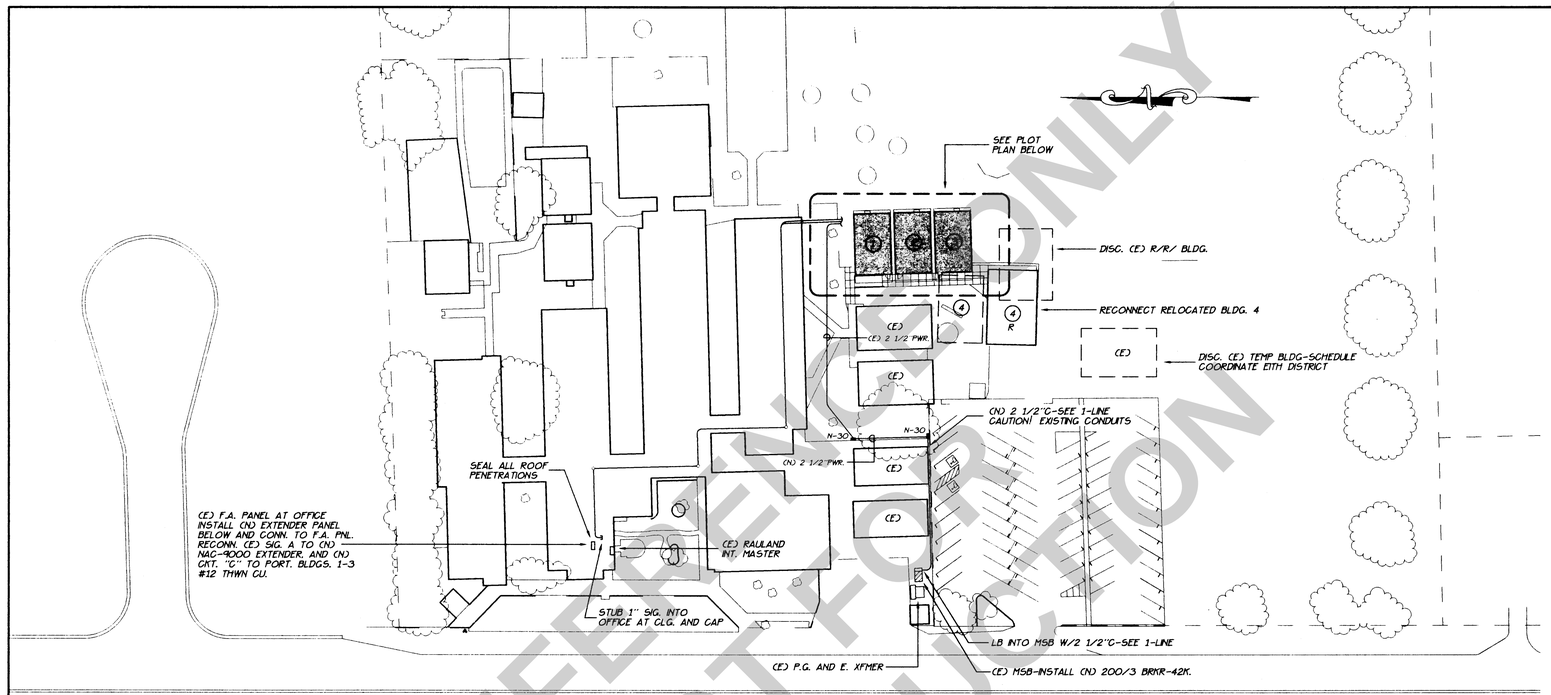
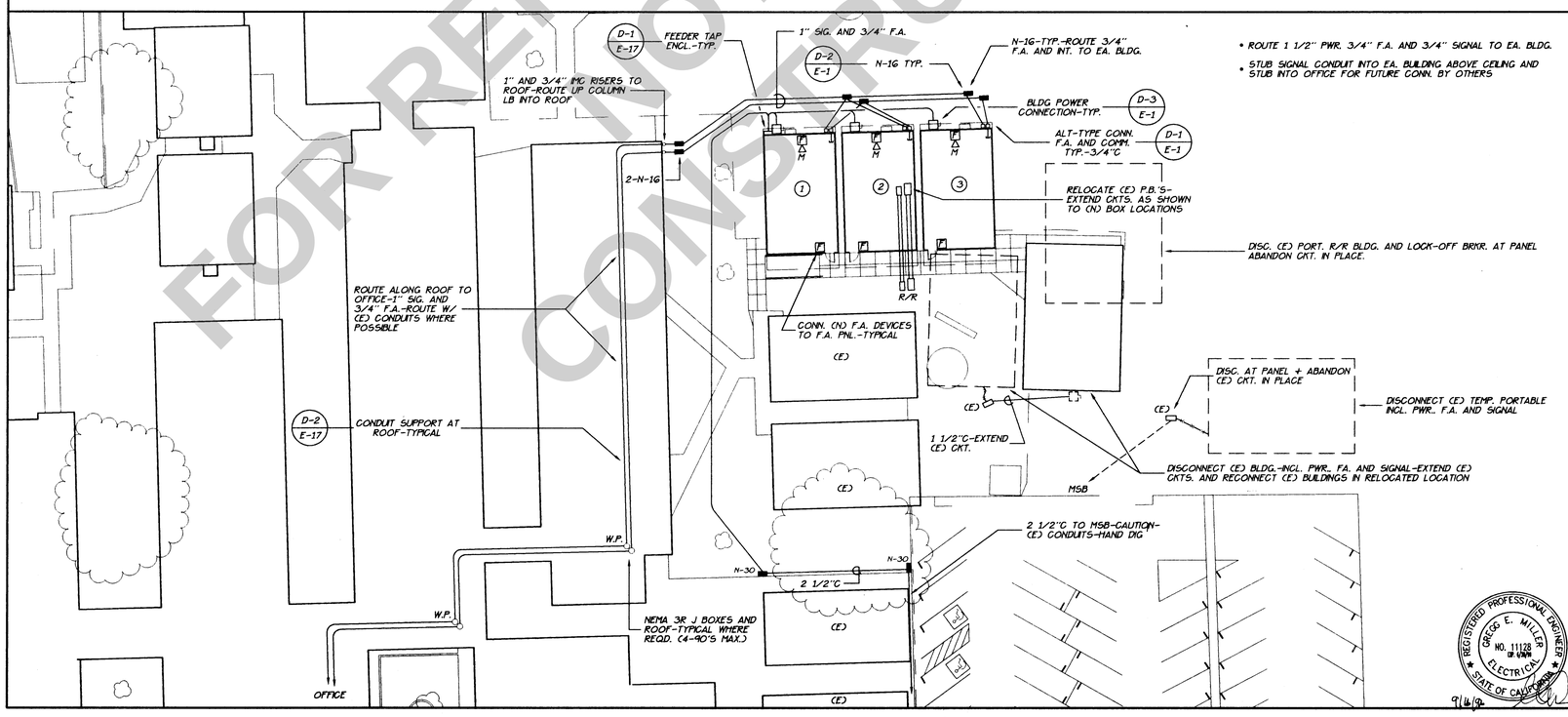
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2





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CONTRACTOR SHALL VERIFY ACTUAL DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION... CALL UNDERGROUND SERVICE ALERT (TOLL FREE 800-642-2444) PRIOR TO TRENCHING, GRADING, EXCAVATION, DRILLING, PIPE PUSHING, PLANTING TREES, DIGGING FENCE POST HOLES, ETC. THEY WILL SUPPLY INFORMATION OR LOCATE AND MARK ANY UNDERGROUND FACILITIES.

NOTE:
VERIFY EXACT CONNECTION POINTS FOR POWER PRIOR TO CONSTRUCTION. APPROXIMATE ONLY. LOCATIONS INDICATED FOR TRANSFORMER LOCATION, ETC. COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS. PROVIDE ALL RELATED CONDUITS, PULL BOXES AND RISERS.

NOTE:
THIS PLAN COMPRISES BUILDINGS FOR BOTH PHASE I AND II. THE SCOPE OF THIS PROJECT INCLUDES THE CONNECTION OF PHASE I BUILDINGS ONLY. SEE ARCHITECTURAL PLANS FOR PHASE I BUILDING LOCATIONS. PROVIDE A COMPLETE ELECTRICAL SYSTEMS FOR POWER, F.A. AND SIGNAL RACEWAYS, AS SHOWN ON THE PLANS. TO CONNECT PHASE I BUILDINGS. WITH FULL PROVISIONS, CONDUIT AND STUBS AND APPURTANENCES TO CONNECT THE FUTURE PHASE II BUILDINGS. INCLUDE ALL COSTS IN BID.

FRANKLIN ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"

FRANKLIN ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

GENERAL NOTES:

SAW CUT EXISTING A.C. OR CONCRETE FOR CONDUIT INSTALLATION. REPLACE A.C. WITH 2 INCH A.C. OVER 4 INCH 1/2 INCH AB OVER 90% REL. COMPACTED EARTH. RE-STRIPE AS REQUIRED-ALL TO OWNER'S SATISFACTION. REPLACE CONCRETE WITH 4" CONCRETE OVER 90% COMPACTED EARTH. BROOM FINISH TO MATCH EXISTING CONCRETE-ALL TO OWNER'S SATISFACTION. PUSH CONDUITS UNDER SIDEWALK WHERE POSSIBLE

LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. REPAIR ALL UTILITIES DAMAGED DURING CONSTRUCTION TO OWNER'S SATISFACTION.

ERECT AND MAINTAIN ALL REQUIRED SAFETY BARRICADES, PER CALIFORNIA STATE STANDARD SPECIFICATIONS, TITLE 8, TITLE 24, AND OSHA REQUIREMENTS.

SCHEDULE CONSTRUCTION WITH OWNER AND UTILITY COMPANY IN ADVANCE. SCHEDULE ALL ELECTRICAL OUTAGES WITH OWNER AND OBTAIN APPROVAL FOR THE SAME.

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DATE 9-18-96
JOB NUMBER 1531
DRAWN BY BLC
REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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ARCHITECTS
PLANNERS
CONSULTANTS
ARCHITECTURAL DESIGN WEST INC.
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SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON
(916)-446-2466

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128 OF 6/96
ELECTRICAL
STATE OF CALIFORNIA
9/18/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

E-16

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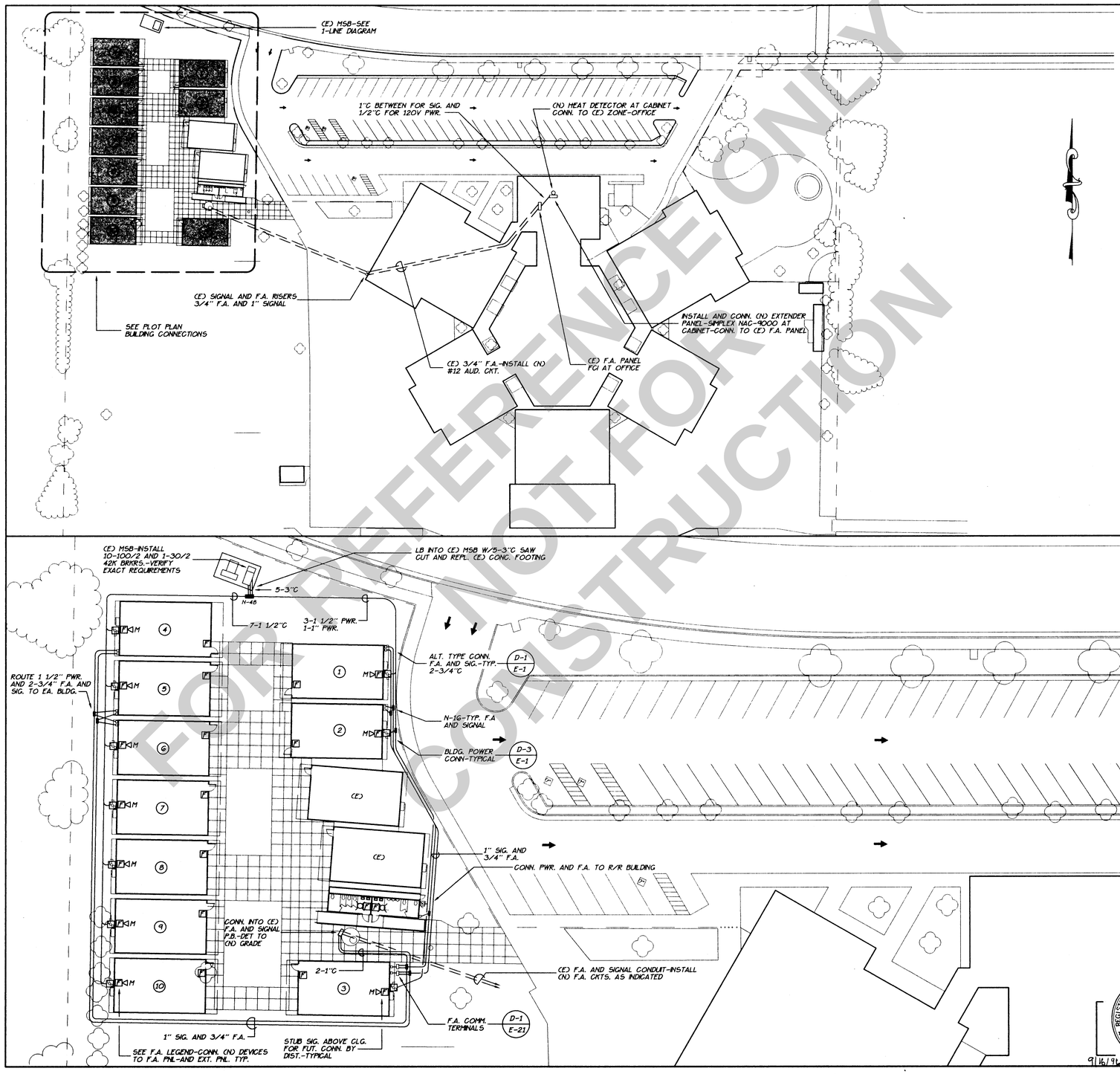

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NOTE:
VERIFY EXACT CONNECTION POINTS FOR POWER PRIOR TO CONSTRUCTION. APPROXIMATE ONLY LOCATIONS INDICATED FOR TRANSFORMER LOCATION, ETC. COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS. PROVIDE ALL RELATED CONDUITS, PULL BOXES AND RISERS.

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PETERSON ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"

GENERAL NOTES:

SAW CUT EXISTING A.C. OR CONCRETE FOR CONDUIT INSTALLATION. REPLACE A.C. WITH 2 INCH A.C. OVER 4 INCH 1/2 INCH AB OVER 90% REL. COMPACTED EARTH. RE-STRIPE AS REQUIRED-ALL TO OWNER'S SATISFACTION. REPLACE CONCRETE WITH 4" CONCRETE OVER 90% COMPACTED EARTH. BROOM FINISH TO MATCH EXISTING CONCRETE.-ALL TO OWNER'S SATISFACTION. PUSH CONDUITS UNDER SIDEWALK WHERE POSSIBLE

LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. REPAIR ALL UTILITIES DAMAGED DURING CONSTRUCTION TO OWNER'S SATISFACTION.

ERECT AND MAINTAIN ALL REQUIRED SAFETY BARRICADES. PER CALIFORNIA STATE STANDARD SPECIFICATIONS. TITLE 8, TITLE 24, AND OSHA REQUIREMENTS.

SCHEDULE CONSTRUCTION WITH OWNER AND UTILITY COMPANY IN ADVANCE. SCHEDULE ALL ELECTRICAL OUTAGES WITH OWNER AND OBTAIN APPROVAL FOR THE SAME.

PETERSON ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
ELECTRICAL
STATE OF CALIFORNIA
9/16/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

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DATE 9-18-96
JOB NUMBER 9-5-96
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REVISIONS

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1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

DESIGN WEST
ARCHITECTS
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CONSULTANTS
ARCHITECTURAL DESIGN WEST INC.
LOGAN, UTAH
SALT LAKE CITY, UTAH
BOISE, IDAHO
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON
(916)-446-2466

E-20

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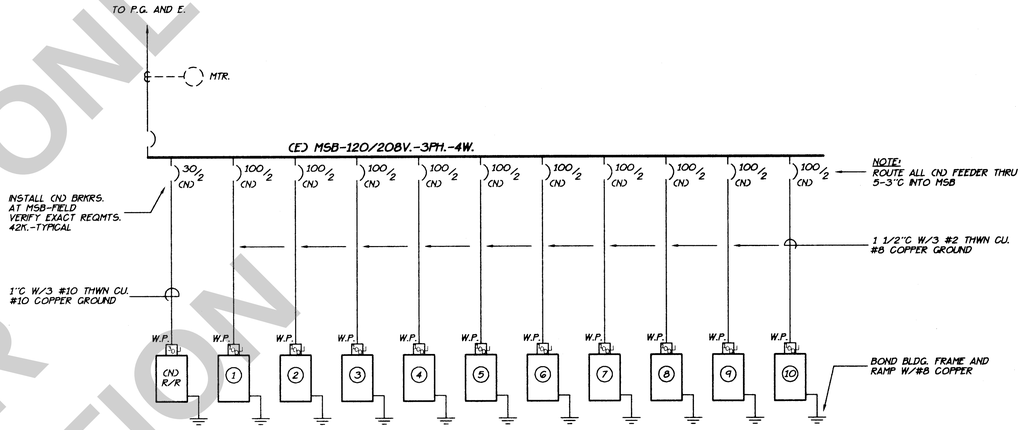
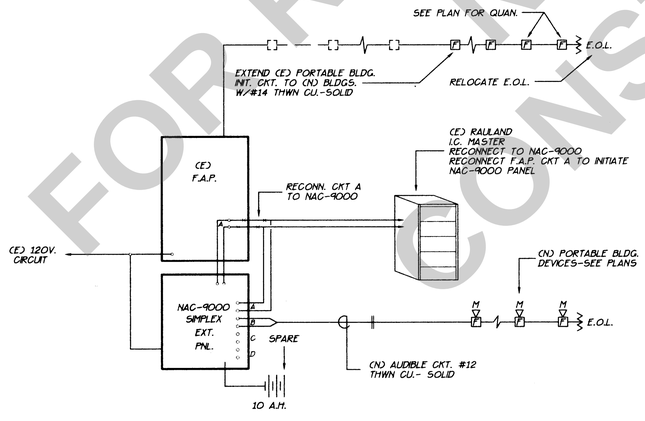
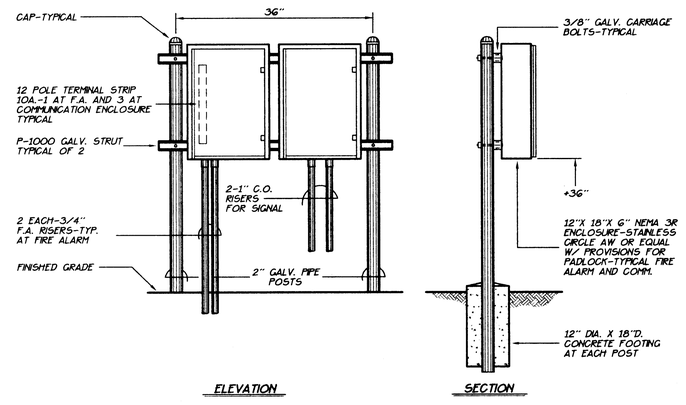
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



SINGLE LINE DIAGRAM



FIRE ALARM RISER DIAGRAM



DETAIL D-1 / E-21

F.A. AND COMMUNICATIONS TERMINALS

NO SCALE

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NOT FOR
CONSTRUCTION

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DATE 9-18-96
JOB NUMBER 1531
DRAWN BY BLC
REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

DESIGN WEST
ARCHITECTS
PLANNERS
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ARCHITECTURAL DESIGN WEST INC.
LOGAN, UTAH
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SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON
(916)-446-2466

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
ELECTRICAL
STATE OF CALIFORNIA
9/18/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

E-21

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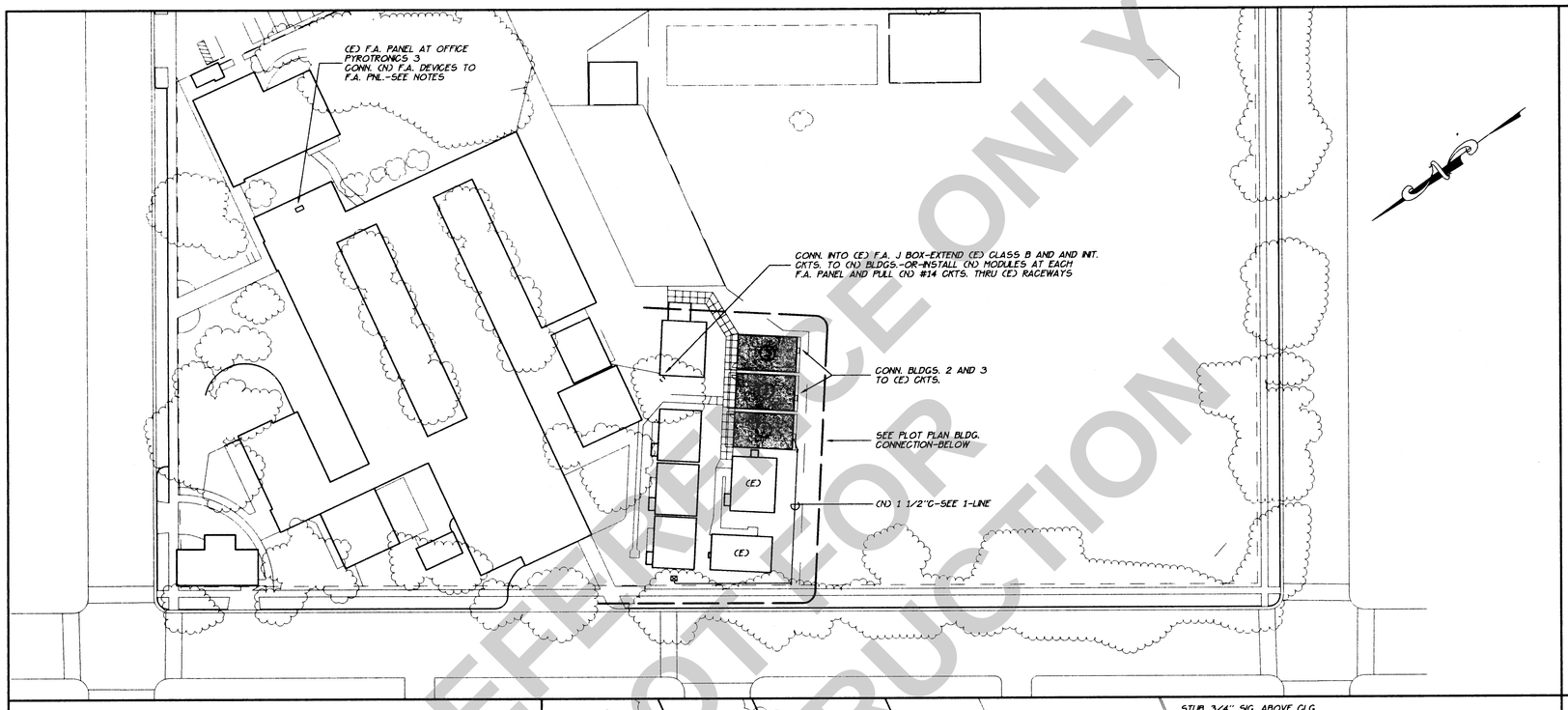


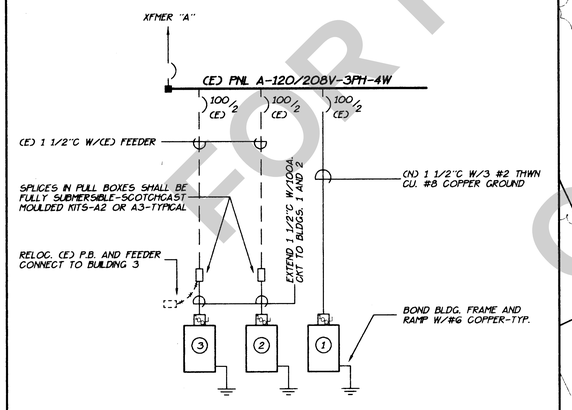
CONTRACTOR SHALL VERIFY ACTUAL DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION... CALL UNDERGROUND SERVICE ALERT (TOLL FREE 800-642-2444) PRIOR TO TRENCHING, GRADING, EXCAVATION, DRILLING, PIPE PUSHING, PLANTING TREES, DIGGING FENCE POST HOLES, ETC. THEY WILL SUPPLY INFORMATION OR LOCATE AND MARK ANY UNDERGROUND FACILITIES.

NOTE:
VERIFY EXACT CONNECTION POINTS FOR POWER PRIOR TO CONSTRUCTION. APPROXIMATE ONLY LOCATIONS INDICATED FOR TRANSFORMER LOCATION, ETC. COMPLY WITH ALL UTILITY COMPANY REQUIREMENTS. PROVIDE ALL RELATED CONDUITS, PULL BOXES AND RISERS.

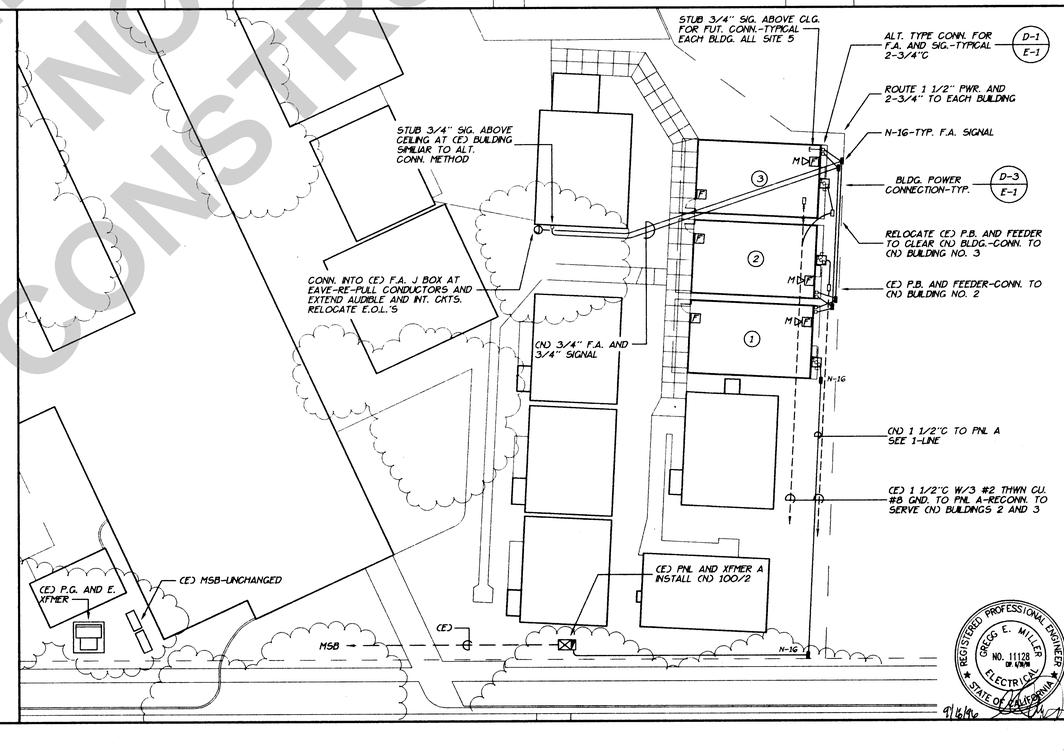
NOTE:
THIS PLAN COMPRISES BUILDINGS FOR BOTH PHASE I AND II. THE SCOPE OF THIS PROJECT INCLUDES THE CONNECTION OF PHASE I BUILDINGS ONLY. SEE ARCHITECTURAL PLANS FOR PHASE I BUILDING LOCATIONS. PROVIDE A COMPLETE ELECTRICAL SYSTEMS FOR POWER, F.A. AND SIGNAL RACEWAYS, AS SHOWN ON THE PLANS, TO CONNECT PHASE I BUILDINGS, WITH FULL PROVISIONS, CONDUIT AND STUBS AND APPURTANENCES TO CONNECT THE FUTURE PHASE II BUILDINGS. INCLUDE ALL COSTS IN BID.

FREMONT ELEMENTARY SITE PLAN

SCALE: 1"= 40'- 0"



SINGLE LINE DIAGRAM



FREMONT ELEMENTARY PLOT PLAN

SCALE: 1"= 20'- 0"

GENERAL NOTES:

SAW CUT EXISTING A.C. OR CONCRETE FOR CONDUIT INSTALLATION. REPLACE A.C. WITH 2 INCH A.C. OVER 4 INCH 1/2 INCH AB OVER 90% REL. COMPACTED EARTH. RE-STRIPE AS REQUIRED-ALL TO OWNER'S SATISFACTION. REPLACE CONCRETE WITH 4" CONCRETE OVER 90% COMPACTED EARTH. BROOM FINISH TO MATCH EXISTING CONCRETE.-ALL TO OWNER'S SATISFACTION. PUSH CONDUITS UNDER SIDEWALK WHERE POSSIBLE

LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. REPAIR ALL UTILITIES DAMAGED DURING CONSTRUCTION TO OWNER'S SATISFACTION.

ERECT AND MAINTAIN ALL REQUIRED SAFETY BARRICADES, PER CALIFORNIA STATE STANDARD SPECIFICATIONS, TITLE 8, TITLE 24, AND OSHA REQUIREMENTS.

SCHEDULE CONSTRUCTION WITH OWNER AND UTILITY COMPANY IN ADVANCE. SCHEDULE ALL ELECTRICAL OUTAGES WITH OWNER AND OBTAIN APPROVAL FOR THE SAME.

REGISTERED PROFESSIONAL ENGINEER
GREGG E. MILLER
NO. 11128
ELECTRICAL
STATE OF CALIFORNIA
9/16/96

GREGG E. MILLER & ASSOC., INC
CONSULTING ELECTRICAL ENGINEERS
909 FIFTEENTH ST. SUITE 7 MODESTO, CA. 95354
(209) 575-0312 FAX: (209) 575-0813

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DATE 9-10-96
JOB NUMBER 9-5-96
DRAWN BY BLC
REVISIONS

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1996 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
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E-22

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MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

American Modular Systems

24 X 40 RELOCATABLE CLASSROOMS

TEST AND INSPECTION LIST

TESTING LABORATORY: _____ DATE: _____

NAME: _____

DISTRICT/OWNER: _____

DIVISION–FILE NO. _____ APPLICATION NO. _____

ARCHITECT: _____

STRUCTURAL ENGINEER: _____

STATE OF CALIFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE STATE ARCHITECT

STRUCTURAL TESTS AND INSPECTIONS

DSA 103–1 (R 11/93)

The following tests and inspections, as checked, will be required and detailed in

	CONCRETE	GUNITE	GROUT	MORTAR
COMPACTED FILL				
Fill material, acceptance tests	X			
Compaction control, continuous				
Compaction tests only as ordered	X			
Shallow capacity of compacted fill				
REINFORCING STEEL				
X Sample and test bar steel	X			
Sample and test stock				
Inspect placing of bars	X			
STRUCTURAL STEEL				
X Sample and test as detailed below				
Fine fabrication inspection				
Field erection inspection				
X Inspection of welds – Shop				
X Inspection of welds – Field				
Inspection of riveting or bolting – Shop				
Inspection of riveting or bolting – Field				
Sample and test high strength bolts and washers				
BRICK AND BLOCK				
Sample and test				
Test only				
Inspection of placing				
Core drill samples				
GLUED LAMINATED STRUCTURAL LUMBER				
Fabrication inspection				
Sample and test steel accessories				
Inspect fabrication of steel accessories				

Test of construction for mix design only

Rebemelle tests of construction as detailed below

Mix designs

Continuous batch plant inspection

Inspect grading

Specials

Compressive tests

Pick up samples at job

Samples delivered to laboratory

Deliver sample forms to laboratory

Samples and test earnest

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
Sodium sulphate				
Structural strength				
Los Angeles rattler				
Clay (hydrometer method)				
Durability tests				
Volume change				

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM 28 DAY
CONCRETE	1 1/2"	3000

List of structural steel members to be tested

C7X9.8
C12X20.7
6 3/4"X14 GA. JOISTS

TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212.A.1

Other tests and inspections, together with special instructions:

GROUNDING TEST

Copies of Reports to:

DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: _____
AUTHORIZED REPRESENTATIVE

INDEX

SHEET No.	DESCRIPTION
TS-1	TITLE & BUILDING DATA NOTES
N-1	GENERAL NOTES
1	FLOOR PLAN & NOTES
2	EXTERIOR ELEVATIONS
3	CEILING GRID, DETAILS & NOTES
S1A	FOUNDATION PLAN WOOD, DETAILS & NOTES
~~S1B~~	~~FOUNDATION PLAN CONCRETE, DETAILS & NOTES~~
~~S1C~~	~~FOUNDATION PLAN CONCRETE, DETAILS & NOTES~~
S2	FLOOR FRAMING PLAN & BUILDING SECTIONS
S3	ROOF FRAMING PLAN & DETAILS
S4	FRAMING ELEVATIONS & DETAILS
S5	FRAMING ELEVATIONS & DETAILS
S6R	RAMP PLAN, ELEVATION & DETAILS
M1	MECHANICAL PLAN, DETAILS & NOTES
E1	ELECTRICAL PLAN, DETAILS & NOTES

BUILDING DATA

CLASSROOMS

OCCUPANCY	E–2
TYPE OF CONSTRUCTION	V – NON–RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS/SQ FT
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	960 SQ FT
FIRE MARSHAL–	CALIFORNIA BUILDING CODE (CBC) TITLE 24, PART 2, CCR (1994 UBC W/ CAL. AMENDS) TITLE 24, PART 3, CCR (1993 NEC W/ CAL. AMENDS) TITLE 24, PART 4, CCR (1994 UMC W/ CAL. AMENDS) TITLE 24, PART 5, CCR (1994 UPC W/ CAL. AMENDS) TITLE 24, PART 9, CCR (1994 UFC W/ CAL. AMENDS) TITLE 24, PART 12, CCR (1994 STD. W/ CAL. AMENDS) TITLE 19
STRUCTURAL –	1995 CALIFORNIA BUILDING CODE (CBC) TITLES 24 PARTS 1 AND 2
MODULES	MOMENT–RESISTANT
SYSTEM	(2) 12' X 40' MODULES
FOUNDATION	PRESSURE TREATED WOOD ~~OR CONCRETE~~
SEISMIC	ZONE 4

FILE NO. 39-D
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. PC–284
AC. Yuzio FLS. [signature]
DATE 8/28/96
Fire Shana William

JOB NO.
DATE: DEC. 6,1995
SHEET NUMBER
TS–1
BINDING ORDER 1

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A — GENERAL REQUIREMENTS

1. GENERAL

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.

B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.

2. SCOPE OF WORK

A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE,MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING,MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF DSA APPLICATION.
11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
13. THE MANUFACTURER OF BUILDING IS TO PLACE A PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME AND VISIBLE FROM THE EXTERIOR OF THE END OF THE MODULE. SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
    FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALY RECOGNIZED TESTING LABORATORY.

FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

NOTE:THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 23-8, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM,INTERCOM SYSTEM,TV,TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
4. WHEELS AND HITCH
   SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. ACCESSIBILITY OF SITE
   THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS,FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

"RIM/ FINISH NAILING

DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	16g	1 1/4"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 6 — WORKMANSHIP

A. GENERAL — ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS,TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.

B. WELDING — ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE OFFICE OF THE STATE ARCHITECT.
   WELDING INSPECTION PER TITLE 24,PART 2,CCR, SECTION 2212.A.5
   WELDING ELECTRODE SHALL BE E70XX.
   1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36.
   2. PIPE COLUMNS SHALL COMFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
   3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
   4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.

C. ERECTION — STRUCTURAL STEEL ERECTED TRUE,STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.

D. NAILS,BOLTS, SCREWS AND NUTS ETC.— FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
   1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER EXCEPT AT SIMPSON MTT28B.

E. HANDRAILS — FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.

F. SHOP PAINT
   1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
   2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
   3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.

G. TESTS
   1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2,CCR SECTION 2212.A.1.

SECTION 6A — CARPENTRY

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL CARPENTRY
2. MATERIALS
   LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 16" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER,3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B.. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-83 FOR SOFTWOOD PLYWOOD,OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 23-2. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.

A. JOISTS, RAFTERS, PLATES, STUDS—DOUGLAS FIR S4S #2 U.N.O.
   NOTE: MSR 1850 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.

B. HEADERS,POSTS AND TIMBERS—DOUGLAS FIR S4S #1
C. BLOCKING — DOUG FIR #3,OR HEM FIR #3,OR STD. & BET.
D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE,MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7. EACH PIECE SHALL BEAR AWPB STAMP. LP-22 GROUND CONTACT,D.F.#2 ABOVE GROUND.
E. PLYWOOD ROOF DECKING — APA C-D GRADE,GROUP 1 OR 2, EXPOSURE 1 WITH EXTERIOR GLUE.
F. PLYWOOD FLOOR DECKING — APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8" NOM. TONGUE AND GROOVE FLOOR SHEATHING, WITH EXTERIOR GLUE.
G. EXTERIOR SIDING/SHEATHING — APA TYPE 303,EXTERIOR.
H. MOISTURE BARRIER — KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 17-1 FOR KRAFT, 32-1 FOR FELT.
J. STUDS — DOUG FIR #2.
K. FASTENERS — ALL NAILS SHALL BE CORROSION RESISTANT PER UBC STANDARD 25-17. ELECTROGALVANIZED COMMON NAILS U.N.O.
L. BUILDING TRIM — 2X RESAWN SELECT D.F.,H.F.,OR CEDAR
M. DOOR/WINDOW TRIM — 1X4 RESAWN D.F.,H.F.,OR CEDAR.
N. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
O. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
P. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
Q. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".

3. WORKMANSHIP

A. FRAMING — SECURELY NAILED,BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBELED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
B. NAILING — IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS,TABLE 23-I-Q
C. EXTERIOR WALLS — FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS,SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
D. MACHINE APPLIED NAILING:
   USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
   MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
E. MOISTURE BARRIER — APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL
   JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS.
   SHEATHING APPLIED OVER MOISTURE BARRIER.
F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B — SHEET METAL

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
2. MATERIALS
   A. SHEET METAL — STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
   B. SOLDER — OF STAND,GRADE "A" OF EQUAL PARTSARD BRAND LEAD AND TIN ASTM B32.
   C. FLUX — ZINC SATURATED MURIATIC ACID.
   D. GUTTERS: 26 GA. G-90 GALV. STEEL.
      DOWNSPOUTS: 2"X3" CONVOLUTED 30 GA. G-90 GALV. STEEL.
      GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
      GUTTER CLIPS: 18 GA. G-90 GALV. STEEL
3. WORKMANSHIP
   SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C — METAL ROOFING

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
2. MATERIALS
   A. ROOFING — 1-1/8 INCH STANDING SEAM 26-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
   B. BASE SHEET — 30 POUND ASPHALT COATED.
   C. EDGE FLASHING — 26 GAUGE GALVANIZED STEEL.
3. WORKMANSHIP
   BASE SHEET: APPLY TO ROOF DECK SHINGLE FASHION WITH 2-INCH OVERLAP SEAMS. STAPLE TO DECK AT 12" ON CENTER AROUND PERIMETER AND AT 12" ON CENTER THROUGH OVERLAP SEAMS. INSTALL METAL ROOF ACCORDING TO MANUFACTURERS REQUIREMENTS. SEE SHEET 2 FOR MANUFACTURERS NOTES.

SECTION 7J — SEALANT

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIAL AND SERVICES TO SEAL BUILDINGS.
2. MATERIALS
   VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUPONT, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
3. WORKMANSHIP
   SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION 8B — HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
2. MATERIALS
   A. DOORS — TYPE L FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY,18 GA. 1 3/4" THICK PER CS242 MIN,REINFORCE FOR HARDWARE-BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
   B. FRAMES — 16 GA COLD ROLLED,5" FACES, CS242 MIN.3
      ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB
      REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX,PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
3. WORKMANSHIP
   ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARDP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP,WAVE,BUCKLE OR OTHER DEFECTS AFTER FABRICATION.DOORS AND FRAMES CLEANED THOUROUGHLY,ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 8D — FINISH HARDWARE

1. SCOPE OF WORK
   CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.
2. SCHEDULE FOR EXTERIOR DOORS
   SEE NOTE ON FLOOR PLAN.
3. SPECIAL REQUIREMENTS
   A. EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.
   B. CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SECTION 9E — PAINTING

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
2. MATERIALS

A. FOR EXTERIOR WOOD:

REF.BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	42-91	1240	Y24W20	289-N
FINISH	QD-80-XX	1240-XXX	B54WZ102	GE2-NXX

B. FOR INTERIOR TRIM

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	401XX

C. FOR METAL

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ8	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

3. WORKMANSHIP
   ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
   A. EXTERIOR — WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX — APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
   B. INTERIOR TRIM — TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
   C. INTERIOR HARDWOOD CABINETS — TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
   D. METAL — ALL METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
   E. RAMP — ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR COMPARABLE.
      ALL PAINTS AND THE TYPE TO BE USED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91G-98A DATED JULY 1989. OR EQUAL.
   F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F — SITE ASSEMBLY

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.
   THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT . UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ASSEMBLY OF ELEMENTS

A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT,(APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

WALL FINISH MATERIAL
  FLAME SPREAD MAX = 200
  SMOKE DENSITY MAX = 450
BUILDING INSULATION
  FLAME SPREAD MAX = 25
  SMOKE DENSITY MAX = 450
PIPE INSULATION
  FLAME SPREAD MAX = 25
  SMOKE DENSITY MAX = 450
DUCT INSULATION
  FLAME SPREAD MAX = 25
  SMOKE DENSITY MAX = 50

SECTION 15A — AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)
   CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
2. EQUIPMENT
   SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
3. WORKMANSHIP
   UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A — ELECTRICAL

1. SCOPE OF WORK
   CONTRACTOR SHALL PROVIDE ALL LABOR,MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS,LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
2. MATERIALS
   ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION

A. ELECTRIC METALLIC TUBING — COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX— GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
B. PANELBOARDS — FLUSH MOUNTED.
C. CONDUCTORS — COPPER,INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #8, TYPE THW FOR LARGER SIZES.MINIMUM SIZE— #14.
D. RECEPTACLES — AS NOTED, +15" A.F.F. MIN.
E. CLOCK RECEPTACLE — AS NOTED.
F. SWITCHES — AS NOTED, +48" A.F.F. MAX.
G. LIGHTING FIXTURES — AS NOTED ON THE DRAWINGS.

3. WORKMANSHIP
   MATERIALS AND EQUIPMENT INSTALLED IN A SECURE,NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.
   BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR(N.I.C.).(FLEXIBLE CONDUIT S-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SS5-A). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT,IF NECESSARY.
THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF AY MODULE.
ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED,UNLESS OTHERWISE SPECIFIED,SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

GENERAL DESIGN REQUIREMENTS:

TWO (2) APPROXIMATELY 12' X 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT EN

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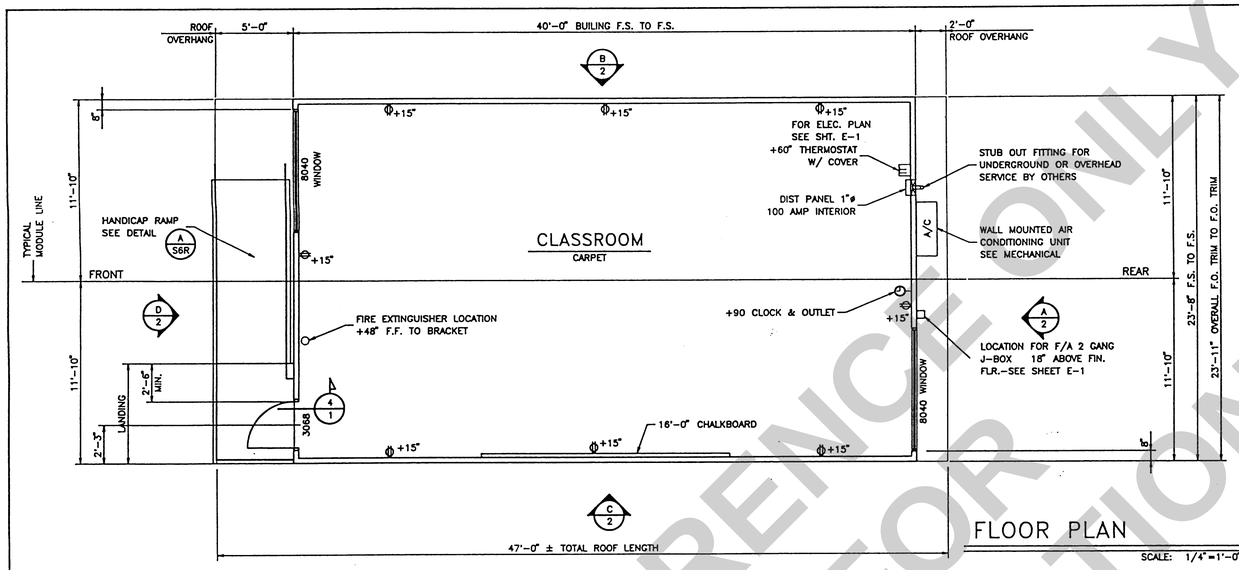
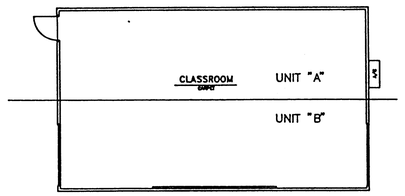
Addendum No. 2



FLOOR PLAN

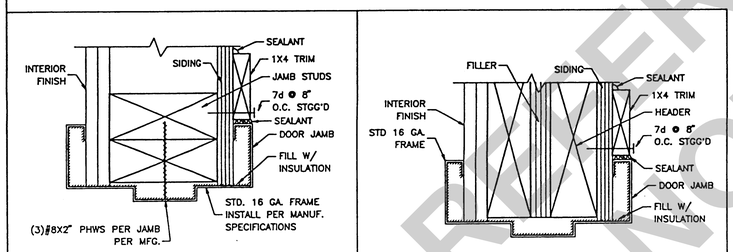
SCALE: 1/4"=1'-0"

TYPICAL EXTERIOR WINDOW INSTALLATION NOTE:
SEE MANUF. SPECS FOR INSTALLATION
USE .131" X 1 1/2" 16" O.C. VERTICALS
USE .131" X 1 1/2" 24" O.C. HORIZONTALS



OPTIONAL FLOOR PLAN

SCALE:1/8"=1'-0"

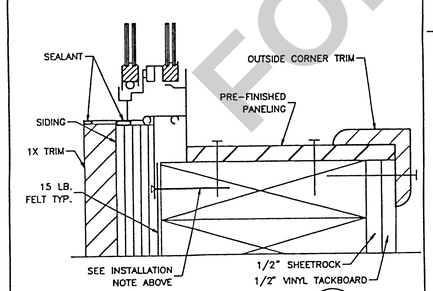


TYPICAL EXTERIOR DOOR JAMB — NO SCALE — 5/1

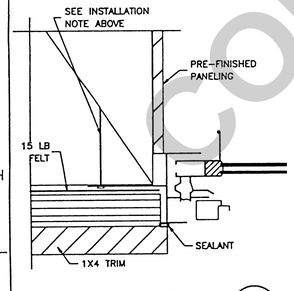
NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.

TYPICAL EXTERIOR DOOR HEAD — NO SCALE — 6/1

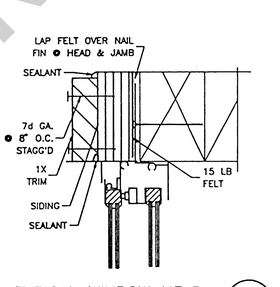
NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.



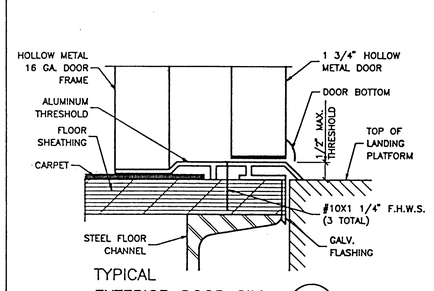
TYPICAL WINDOW SILL DETAIL — NO SCALE — 1/1



TYPICAL WINDOW JAMB — NO SCALE — 2/1



TYPICAL WINDOW HEAD — NO SCALE — 3/1



TYPICAL EXTERIOR DOOR SILL — NO SCALE — 4/1

NOTES
INTERIOR

1. Floor: Carpets – Units shall be carpeted as indicated on floor plan with direct glue down type per State of California Specification 7220-XXX-01, Group 1, Type A, Class 26. Color will be selected by Architect after award of bid. The carpet density shall be 1600 minimum. Pile yarn shall be branded nylon. No cross seams shall be allowed.

2. Base: Resilient Cove Base – Best quality, moulded rubber, 1/8" thick, 4" high, moulded top set
Cove: Provide preformed cove for square external corners and preformed end stops where base does not abut. Solid color as manufactured by "Johnsonite Co.", Flexco, or equal. Apply cove to complete perimeter of classroom.

3. Interior walls shall be vinyl covered tackboard applied in one continuous length from floor to ceiling. The tackboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have an ironed-on coating and shall have a minimum density of 15 lbs. per ft. The vinyl coating shall be made of virgin vinyl calendared base color, weighing a minimum of 8 oz. per square yard. The coating backing shall be sheeting or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped, to the tackboard. Tackboard shall be applied over 1/2" sheetrock or 3/8" plywood sheathing. The vinyl wall covered panel shall have a Class II flame spread rating. The panel shall be approved for classroom use by The California State Fire Marshal. Reference brand: Vinyl covered tackboard as manufactured by
Chatfield-Clarke or comparable. Care shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.

4. Ceiling: Suspend T-Bar System, see sheet 3 for details etc. Materials and Installation per OCR 2501.A.5 and #47-4 inclusive as applicable to classrooms.

DOORS & WINDOWS

Exterior Doors: Metal Doors – 3'0X6'8 hollow metal door construction of 1 sheet of 18 ga. steel assembled per CS242 min and reinforced with 20 ga. min. continuous vertical steel stiffeners spaced @ 8" O.C. FM space between stiffeners with mineral wool or other insulation. (Reinforce both faces for closure) provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 18 ga. pressed steel frame ASTM A366 & CS242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per jamb plus adjustable floor anchor.

Exterior Windows: Provide anodized aluminum frame 5/8" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness for the dual glazed window panel consisting of two lights of glass and the air space. Glazing material shall be:

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 43% maximum.

Interior Lite – 1/8" minimum clear tempered.

Minimum air space shalle be 1/4".

Space – Bent or sealed corner aluminum with desiccant fill

Sealer – Butyl primary seal and polysulfide of silicone secondary seal.

Certification – All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA CS101-88 voluntary spec. For aluminum prime windows and sliding glass (ANS1), commercial grade.

HARDWARE
1. Exterior Door
A) Hinges: Hager 4-1/2X4-1/2 butts, BB1279 US26D,1-1/2 pair each door with set screw in barrel and ball bearing design, or approved equal.
B) Lockset: Classroom lever handle lockset, cylindrical type, Schlage D70PD (Rhodes) or Corbin or Yale or equivalent. US26D finish.
C) Closer: Norton 8500DA or 8500BF series, LCN 1460 Del series or equal.
D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 2990, Ultra WS007, at door jambs and head or equal.
E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 218 AV Ultra TH042 door bottom.
F) Doorstop: Quality #44, or equal.

FIRE EXTINGUISHER
1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2A40BC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

CHALKBOARD SPECIFICATIONS
Chalkboards shall have green facing sheet suitable to accept white or yellow chalk and felt erasers.

Markerboards shall be 5 mil thick melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particleboard substrate with a minimum density of 45#/c. ft. The panel shall have a felt backing. The panels shall have extruded aluminum molding and chalktrail with a minimum of 2-13/16" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalktrail are to incorporate a channel to wrap around the panel. Three (3) map hooks, with clips, personel shall be provided. One flag holder, 1/2" size, shall be provided for each classroom. Each classroom shall be 2 ea. 4x8 panels installed side by side to make a 4x16 panel, centered on one of the long walls. Referenced brand: Chatfield-Clarke Co. series 500. Attach directly to studs and blocking 1/8x3" oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.

FILE NO.
IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
APPL. PC-264
AC. 2 FLS 11 SS 9 2 C
DATE 5/26/95

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

FLOOR PLAN & NOTES

DATE: 12-7-95
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

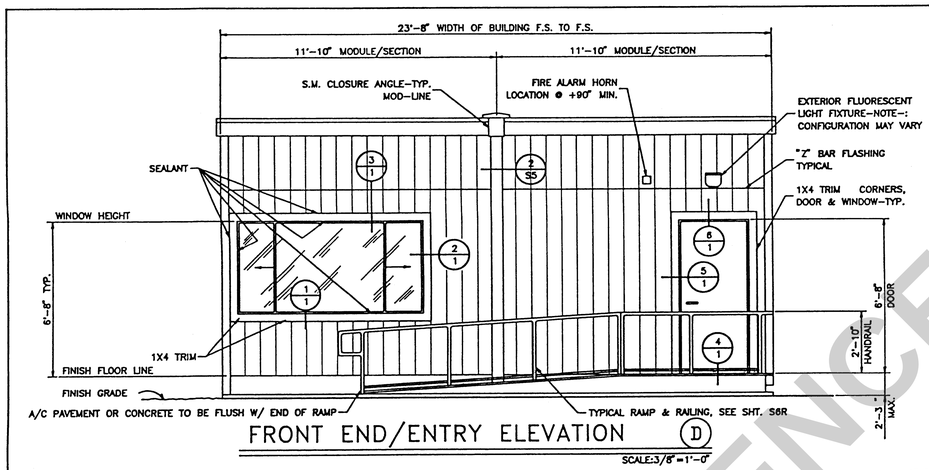
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			4		
2			5		
3					

PROJECT No.

SHEET No. 1

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



FRONT END/ENTRY ELEVATION (D)

SCALE:3/8"=1'-0"

PANEL INSTALLATION

START AT THE STARTER FLASHING END OF THE BUILDING. APPLY VULKEM SEALANT ALONG THE ENTIRE STANDING SEAM LIP. AT THE EAVE END, APPLY SEALANT APPROXIMATELY 3" ALONG THE SIDE OF THE STANDING SEAM AND ALO NG HE END FLASHING LIP. THE SEALANT SHOULD BE APPLIED AS THE ROOF PAN ELS ARE POSITIONED TO AVOID CURING.

HOOK THE PANEL OVER THE STARTER FLASHING AND LAY IT INTO POSITION, LEAVING 3" OVERHANG AT THE EAVE FOR WRAPPING AROUND THE END FLASHING LIP. INSTALL S-CLIPS 1'-6" O.C. KEEPING THEM TIGHT AGAINST THE STANDING SEAM, SECURE WITH THREE 1/2" CROWN X 1 1/4" LONGTH 18GA GA. STAPLES PER CLIP. THE CLIPS NEED ONLY BE HAND CRIMPED AROUND SEAM AT THIS POINT. FORM THE PANEL OVER THE STARTER FLASHING LIP AND AT THE END FLASHING. MECHANICALLY CRIMP THE PANEL OVER THE FLASHING LIP AND ALONG THE ENTIRE STANDING SEAM.

NOTE: KEEP ALL FASTENERS ON THE CLIPS AND FLASHINGS COMPLETELY. DO NOT USE EXCESSIVE PRESSURE OR OVERPOWER THE STAPLES AS TO TEAR OR CAUSE DAMAGE TO THE CLIP.

CONTINUE THE PANELING PROCEDURE, APPLYING SEALANT TO THE FLASHING LIP. APPLY SEALANT AT THE STANDING SEAMS APPROXIMATELY 3" ALONG THE SIDE TOP LIP OF EACH FOLLOWING PANEL. HOOK THE NEXT PANEL OVER THE INNER LOCK AND LAY THE PANEL INTO POSITION. KEEP THE STANDING SEAMS BUTTED TIGHTLY TOGETHER TO MAINTAIN SQUARE, JUSTIFIED PANELS AND MINIMIZE ANY POSSIBILITY OF GAPS OCCURRING AT THE EAVES OR STRETCHING OF THE ROOF COVER.

MECHANICALLY CRIMP EACH STANDING SEAM ENTIRELY. MECHANICALLY CRIMP PANELS OVER ALL FLASHING CLIPS. CUT THE FINAL PANEL TO THE DESIRED WIDTH, ALLOWING 3" FOR FLASHING OVERLAP AND WRAP-AROUND. USE SEALANT ALONG THE FLASHING LIP AND LAY THE PANEL INTO PLACE. FORM THE PANEL OVER THE FLASHING LIP AND MECHANICALLY CRIMP.

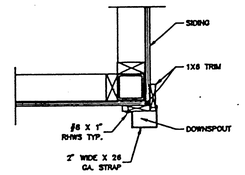
FLASHING (ROOF)

INSTALL THE STARTER FLASHING ON THE END OF THE BUILDING THAT IS OPPOSITE FROM THE DIRECTION OF PREVAILING WIND (OR LEADING EDGE). EQUIRE USING 1/2" CROWN X 1 1/2" LENGTH 18GA. STAPLES 6" O.C. TO THE ROOF DECK. THE FLASHING SHOULD EXTEND APPROXIMATELY 3" PAST THE OUTSIDE WALL. WRAP THE 3" AROUND THE CORNER, FORMING IT TIGHTLY AGAINST THE FASCIA. OVERLAP THE FLASHING SECTIONS 3", SOME MODIFICATION OF THE FLASHING LIP WILL BE REQUIRED TO ALLOW THE OVERLAP.

INSTALL THE END FLASHING ALONG THE OPPOSITE END OF THE BUILDING (OR LEADING EDGE) WRAPPING THE CORNERS AROUND THE EDGE APPROXIMATELY ", SECURE THE "LEADING EDGE" FLASHING ONLY ADDITIONAL #8 X 1 1/2" SMS 2"O.C. THROUGH THE DESIGNATED INTO SIDING. INSTALL THE END FLASHING ALONG THE SIDES OF THE BUILDING. KEEP THE ENDS OF THE FLASHING FLUSH WITH THE EDGES OF THE BUILDING.

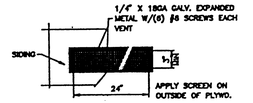
90 MPH WIND RATING

REQUIRES A MINIMUM OF 26 GA. STEEL ROOF PANELS WITH 26 GAGE TIE-DOWN CLIPS AT 18" O.C.,SECURED TO THE ROOF DECK WITH THREE 1/2" CROWN BY 1 1/2" LENGTH 18 GA. STAPLES PER CLIP.



DOWNSPOUT DETAIL (3/2)

1 1/2"=1'-0"

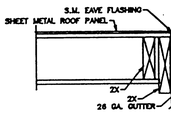


VENT DETAIL

NO SCALE

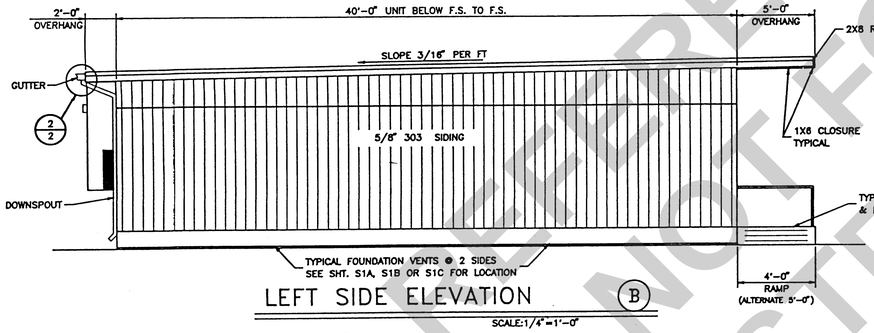
REQUIRED VENT AREA = 8.4 SQ. FTG. => 13 VENTS MIN.

SEE SHT. S1A, S1B OR S1C FOR NUMBER OF VENTS AND LOCATIONS. THIS DETAIL IS FOR WOOD FOUNDATIONS ONLY.



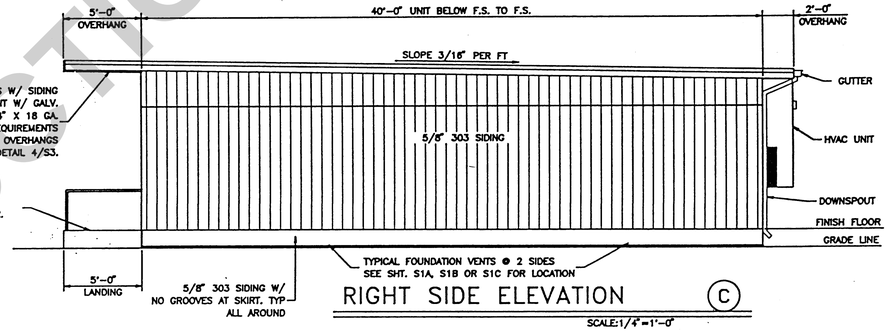
GUTTER: 26 GA., G-90 GALV. STEEL, FASTENED W/ 18 GA. CLIPS 48" O.C. MAX.
DOWNSPOUT: 2"X3" G-90 30 GA. CONVOLUTED GALV. STEEL.
DOWNSPOUT STRAPS: 26 GA. STEEL X 2" WIDE ATTACHED TO BLDG. MAX. 8'-00" O.C.

GUTTER AT OVERHANG DETAIL (2/2)



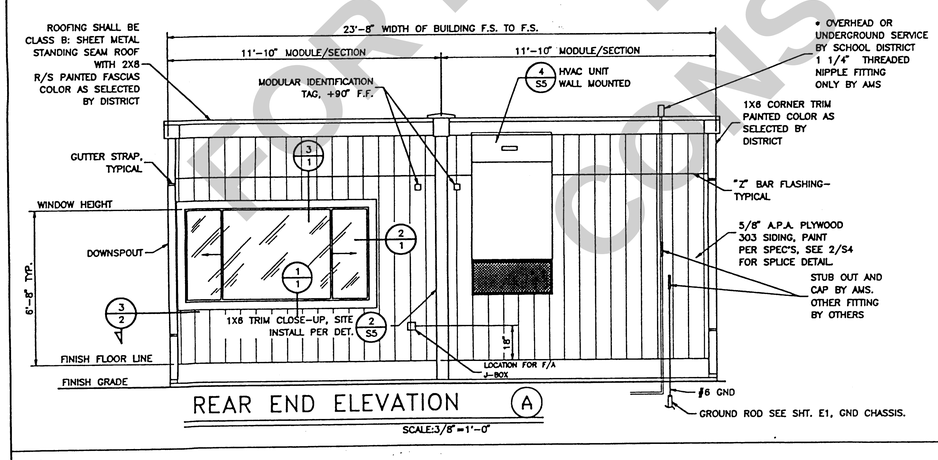
LEFT SIDE ELEVATION (B)

SCALE:1/4"=1'-0"



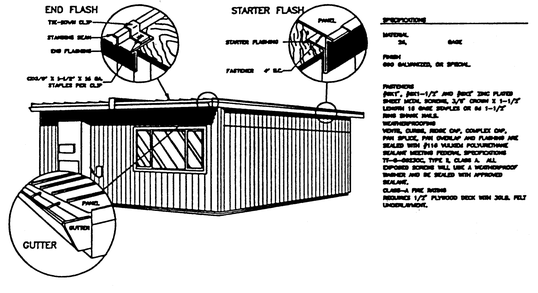
RIGHT SIDE ELEVATION (C)

SCALE:1/4"=1'-0"



REAR END ELEVATION (A)

SCALE:3/8"=1'-0"



SPECIFICATIONS

MATERIAL: 26, GAGE
FINISH: G90 GALVANIZED, OR SPECIAL.

FASTENERS
SHEET, 26GA-1/2" AND SHEET 22GA PLATED SHEET METAL SCREWS, 3/4" CROWN X 1-1/2" LENGTH 18 GAGE STAPLES OR #4 X 1-1/2" SMS SHANK NAILS.

WEATHERPROOFING
VENTS, CLIPS, PANEL END CAP, COMPLEX CAP, PAN SPLICE, PAN OVERLAP AND FLASHING ARE SEALED WITH #116 VULKEM POLYURETHANE SEALANT MEETING FEDERAL SPECIFICATIONS TT-S-00230C, TYPE II, CLASS A. ALL EXPOSED SCREWS WILL LINE A WEATHERPROOF MANNER AND BE SEALED WITH APPROVED SEALANT.

CLASS-A FIRE RATING
REQUIRES 1/2" PLYWOOD DECK WITH 30LB. FELT UNDERLAYMENT.

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL PC-284
AC. FLS.
DATE 8/26/96

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

EXTERIOR ELEVATIONS

DATE: 12-7-95
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No. 2

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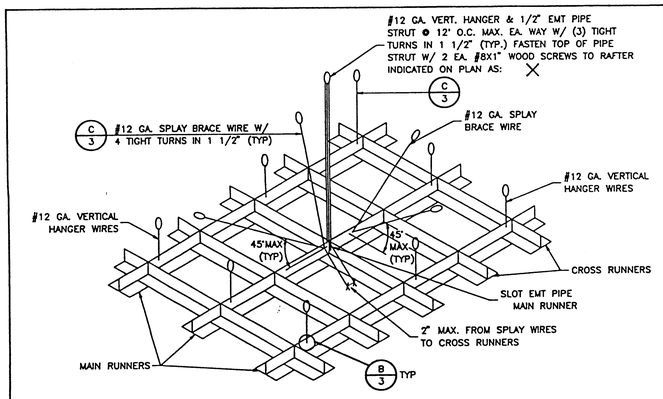
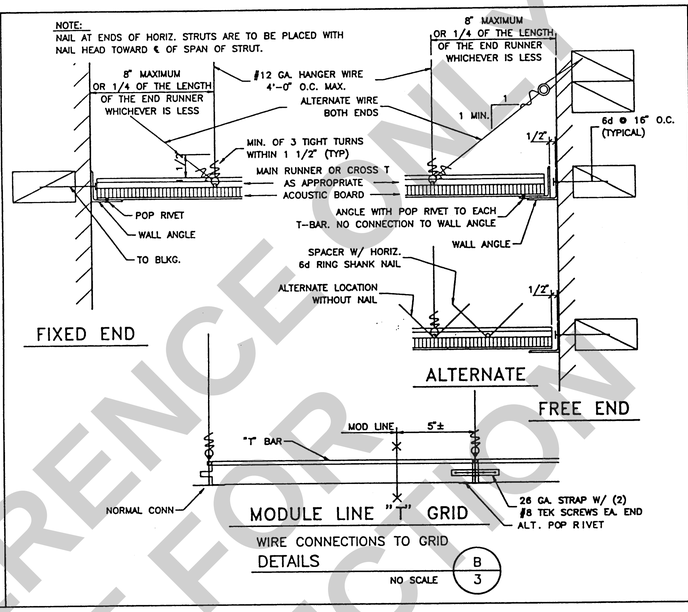
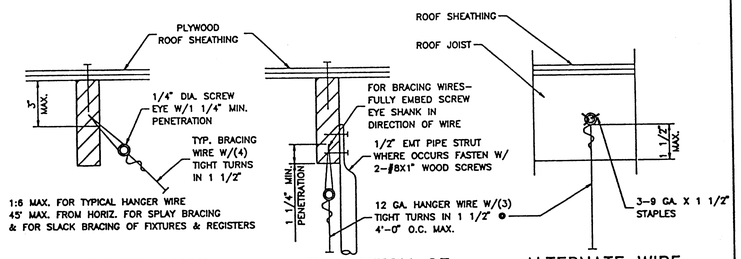


NOTE: SPLAYED BRACING WIRES SHALL BE SPACED NOT MORE THAN 12 FT. ON CENTER.

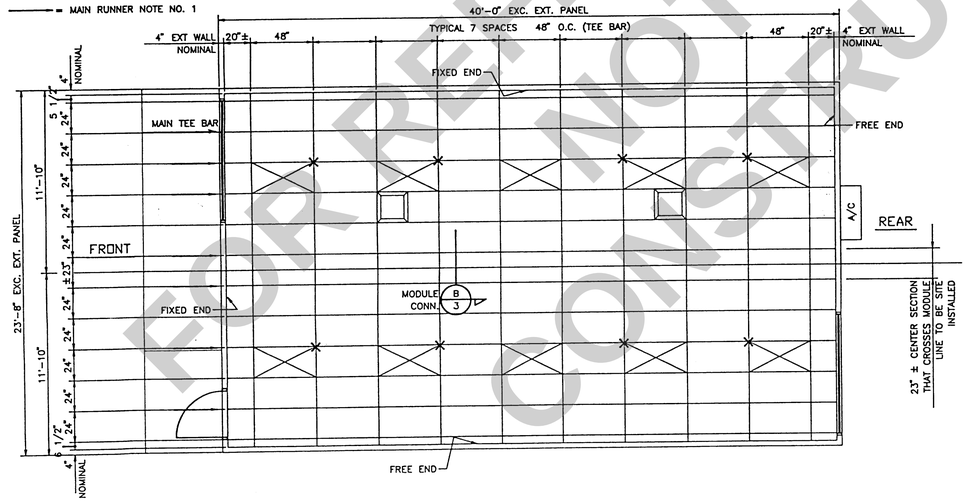
ATTACHMENT FOR CEILING GRID DETAIL A 3
NO SCALE



WIRE CONNECTIONS TO GRID DETAILS B 3
NO SCALE



CONNECTIONS TO WOOD JOISTS OR RAFTERS DETAIL C 3
NO SCALE



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES
SCALE: 1/4" = 1'-0"

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA/ORS.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS.. RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA/ORS APPROVAL.

7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC., IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA/ORS.
9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
    CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, PER ASTM C635
    MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01.
    MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER CHICAGO METALLIC 1214-01 CROSS TEES.
    MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
    ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL PC-264
AC. L FLS A. SS BR
DATE 8/24/95

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24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

CEILING GRID, DETAILS AND NOTES

DATE: 12-7-95
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

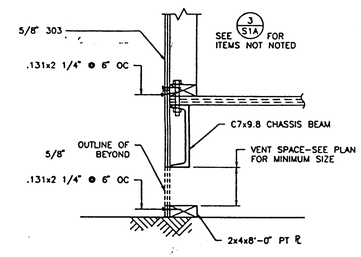
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			5		
2			6		
3			7		
4			8		

PROJECT No.

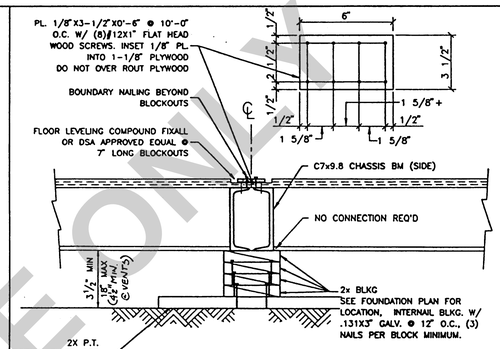
SHEET No. 3

FOUNDATIONS

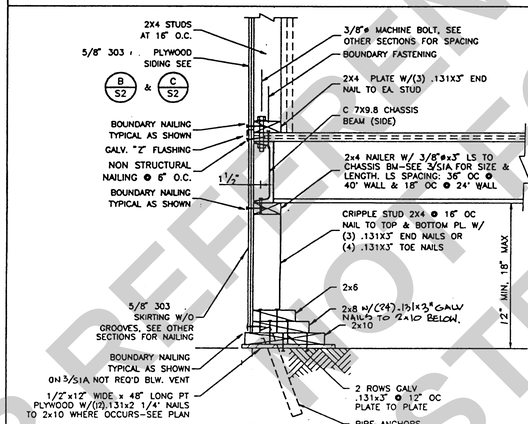
ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD OR CEDAR. THE BUILDING(S) SHALL BE SET ON PTDF PADS AND 4"x6" REDWOOD OR PTDF BLOCKS. PRESSURE TREATED DOUGLAS FIR PADS, PLYWOOD GIRDERS, JOISTS ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING: "THE MATERIAL IN THIS UNIT WAS TREATED PER 1995 CALIFORNIA BUILDING CODE ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RETREATED PER SPECIFICATIONS.
THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH BANDED UNIT SHALL BE ATTACHED TO THE MATERIAL.
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PROPER INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.
INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY, THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE AGENCY ARCHITECT AND THE D.S.A. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.



FDN DETAIL 1 / S1A — NO SCALE

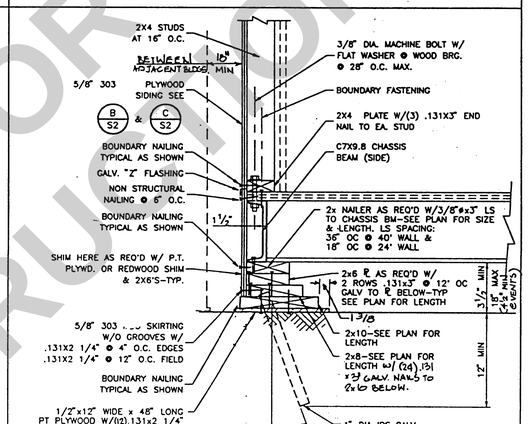


FOUNDATION DETAIL 2 / S1A — NO SCALE



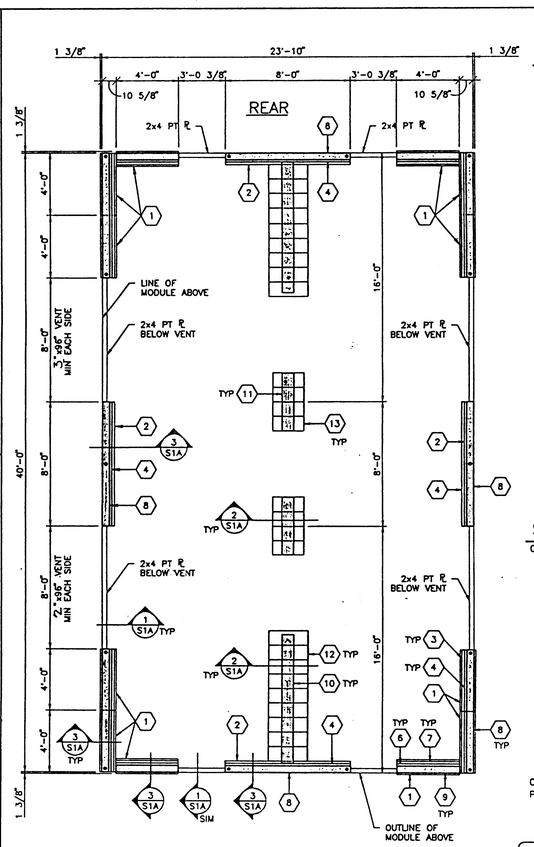
FOUNDATION DETAIL 4 / S1A — NO SCALE

*NOTE: CRIPPLE WALL MAY NOT BE USED WITHIN 48" OF BUILDING CORNER



NOTE: WHEN UNDERSIDE OF JOIST IS MORE THAN 9" ABOVE SOIL, CRIPPLE WALL FOUNDATION MAY BE USED. SEE DETAIL 4/S1A.

FDN DETAIL 3 / S1A — NO SCALE



WOOD FOUNDATION PLAN A / S1A — 1/4"=1'-0"

LEGEND

1. 1/2"x12" WIDE x 48" LONG PT STRUCTURAL PLYWOOD (CDX PLYWOOD)
2. 2x10x8'-0" LONG PT R
3. 2x10x8'-0" LONG R
4. 2x8x8'-0" LONG R
5. NOT USED
6. 2x8x4'-0" LONG R
7. 2x10x4'-0" LONG R
8. MULTIPLE 2x6x8'-0" LONG AS REQ'D FOR HEIGHT
9. MULTIPLE 2x6x4'-0" LONG AS REQ'D FOR HEIGHT
10. 2x10x8'-0" LONG R W/ SHIM, SEE 2/S1A
11. 2x10 BLKG, SEE 2/S1A
12. (9)2x12x2'-6" OR (10)2x10x2'-5" OR (13)2x8x2'-6", SEE 2/S1A
13. (4)2x12x2'-0" OR (4)2x10x2'-0" OR (5)2x8x2'-0", SEE 2/S1A

SILL RESTRAINT

ON SOIL: 1"ø GALV. PIPE W/ 12" MIN. PENETRATION BELOW SOIL SURFACE @ 10' O.C. DRILL SILL 1 1/4" MAX. PIPE MAY BE DRIVEN MAX. 45° ANGLE TO VERT.

ON A/C PAVING: 1"ø GALV. PIPE W/ 12" MIN. PENETRATION BELOW PAVING SURFACE @ 10' O.C. DRILL SILL 1 1/4" MAX. OR 20d NAILS THRU SILL PL. @ 32" O.C.

ON CONC. PAVING: HILTI DS 82-P10 OR EQUAL THRU SILL PL. @ 4'-0" O.C.

• 1" ø GALV. PIPE LOCATIONS-TYPICAL

NOTES

1. TOP OF WOOD PADS TO BE LEVEL.
2. DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
3. SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
4. FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.

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AC FLS SS
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WOOD FOUNDATION

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER — No. 24837 Exp. 9/99 — STRUCTURAL — STATE OF CALIFORNIA

CUSTOMER:

FOUNDATION PLAN, DETAILS & NOTES

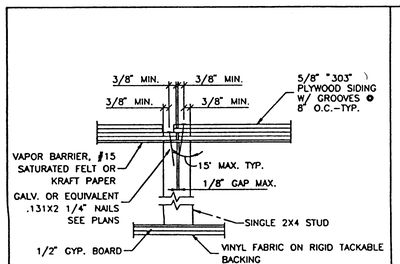
DATE: 4-1-96
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY: B.J.R.
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

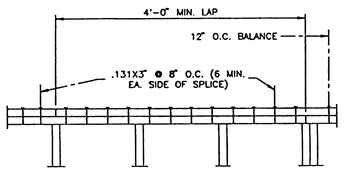
PROJECT No. 96003

SHEET No. S1A



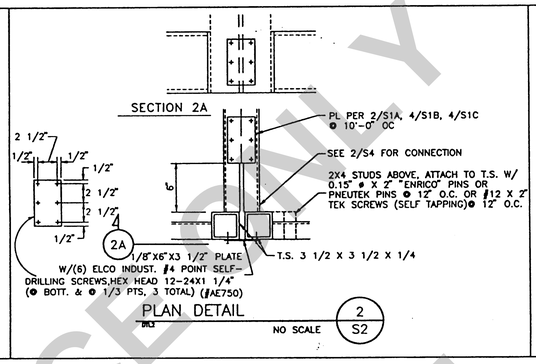
TYPICAL SIDING JOINT DETAIL

DTL4 — 1"=1'-0" — 4 / S2



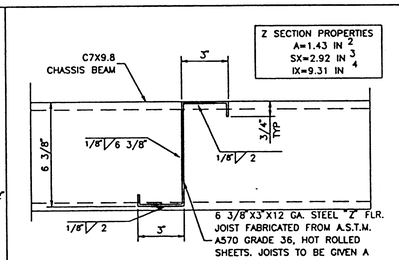
TYPICAL TOP PLATE SPLICE DETAIL

DTL3 — 1"=1'-0" — 3 / S2



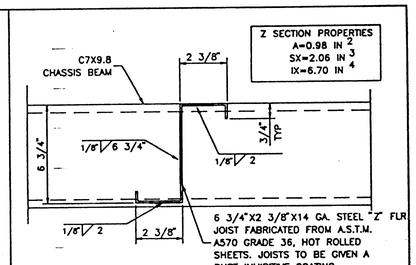
PLAN DETAIL

DTL3 — NO SCALE — 2 / S2



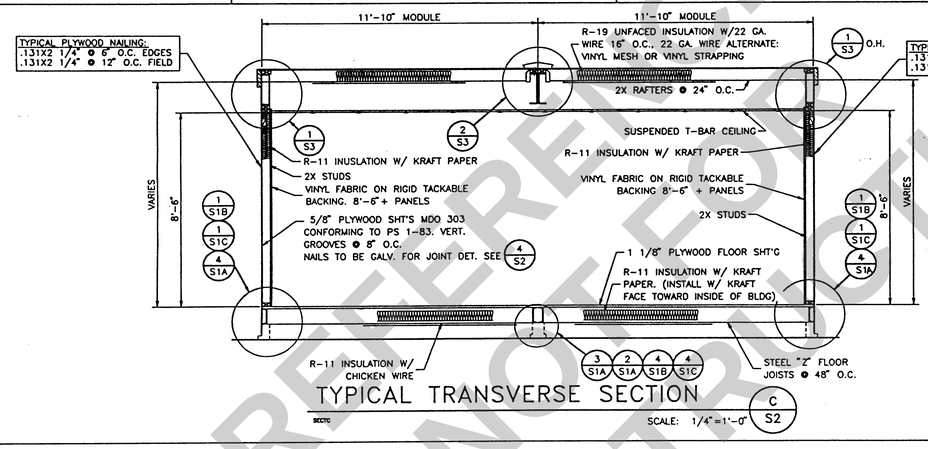
ALTERNATE DETAIL FOR 1/S2

DTL1A — NO SCALE — 1A / S2



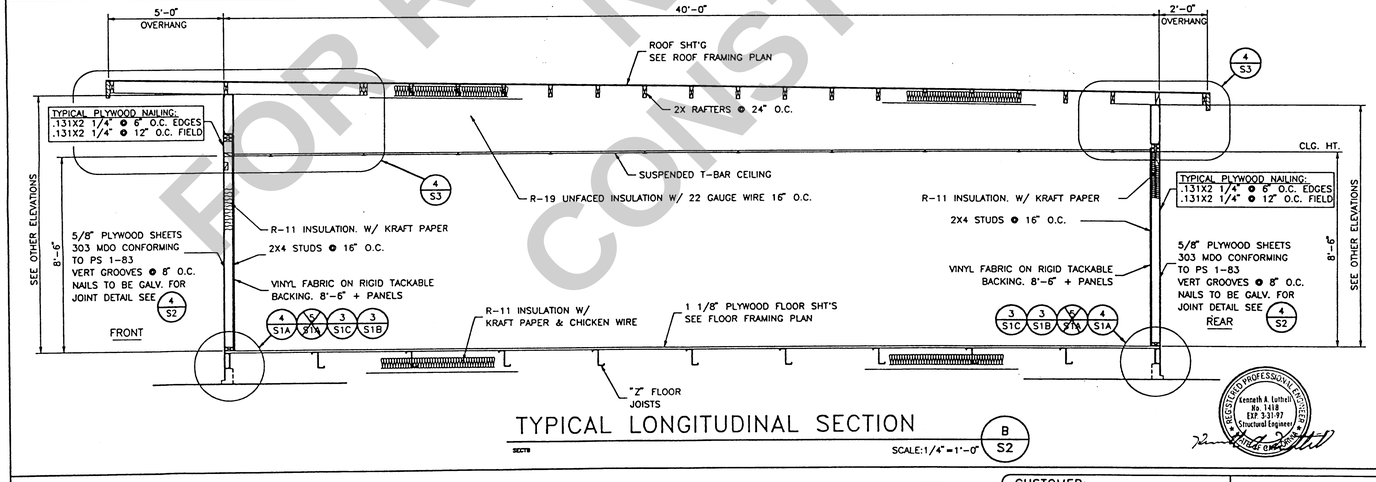
DETAIL

DTL1 — NO SCALE — 1 / S2



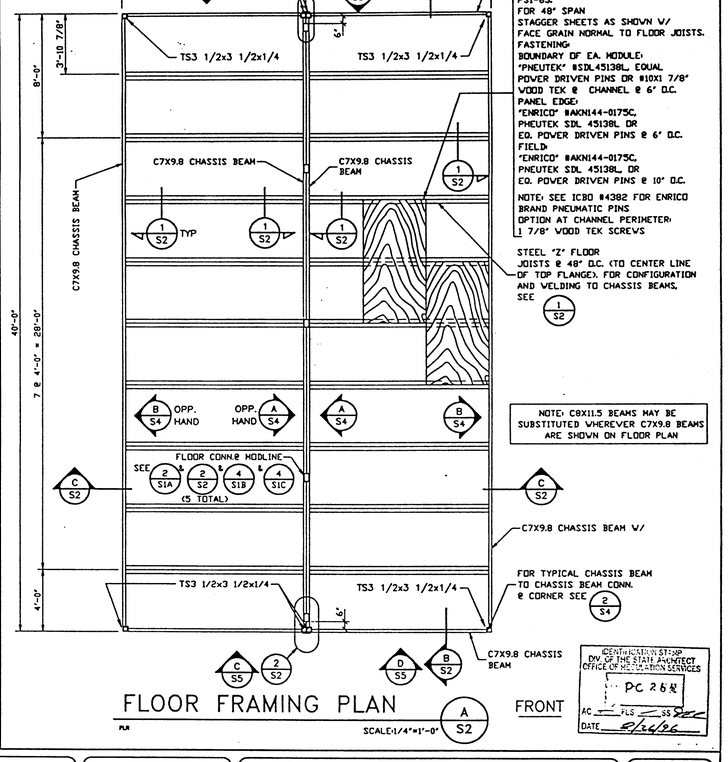
TYPICAL TRANSVERSE SECTION

SECTC — SCALE: 1/4"=1'-0" — C / S2



TYPICAL LONGITUDINAL SECTION

SECTB — SCALE:1/4"=1'-0" — B / S2



FLOOR FRAMING PLAN

FLR — SCALE:1/4"=1'-0" — A / S2

FRONT

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PC 2682
AC FLS SS
DATE 8/26/96

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Kenneth A. Luthell No. 1418 EXP. 3-31-97 Structural Engineer

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER BRAD J. ROLLINS No. 2837 Exp. 9/99 STRUCTURAL STATE OF CALIFORNIA

CUSTOMER:

FLOOR FRAMING PLAN AND BUILDING SECTIONS

DATE: 4-1-96
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			5		
2			6		
3			7		
4			8		

PROJECT No. 96003

SHEET No. S2

MCSD BID# 2024-5 _ 04/02/2025
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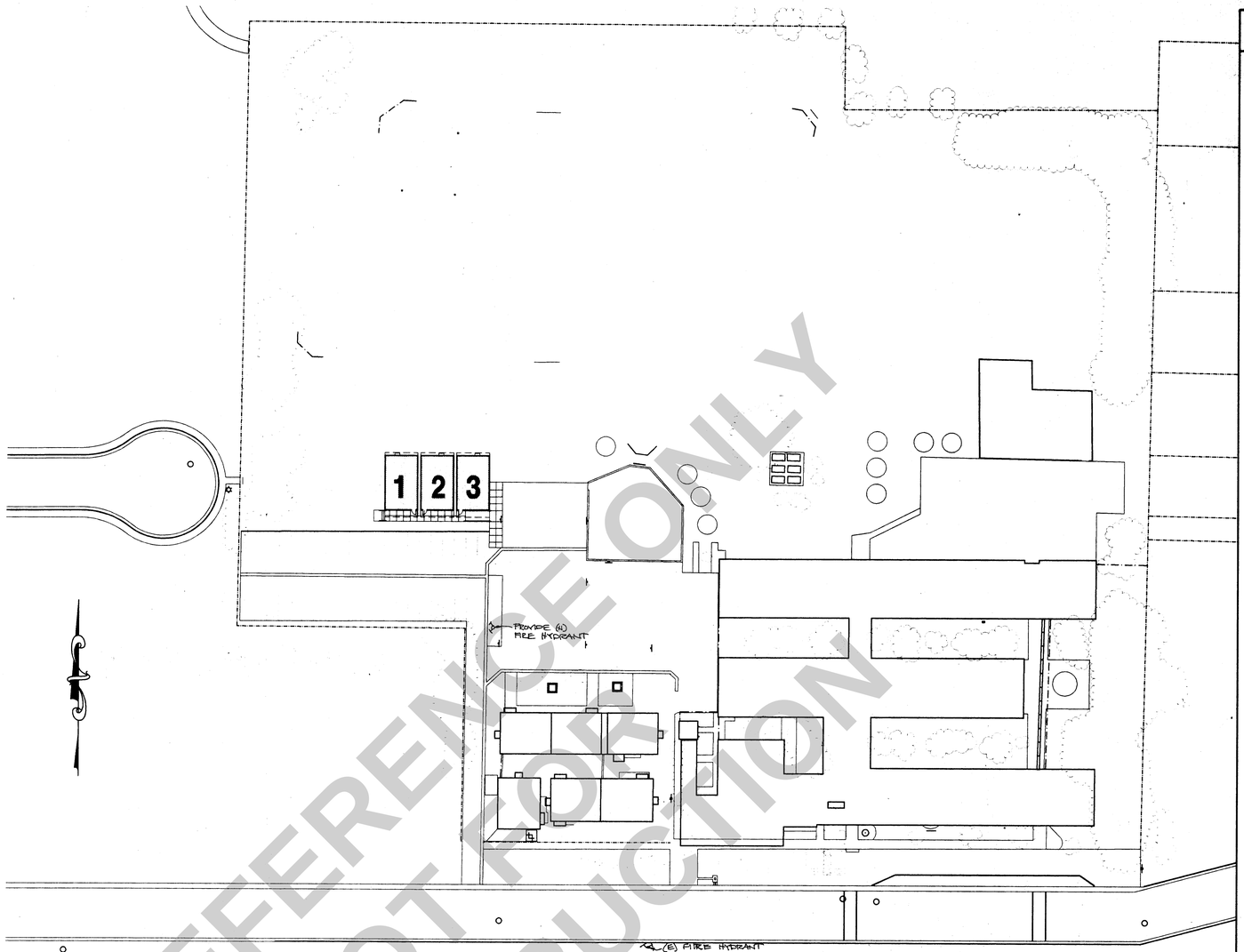
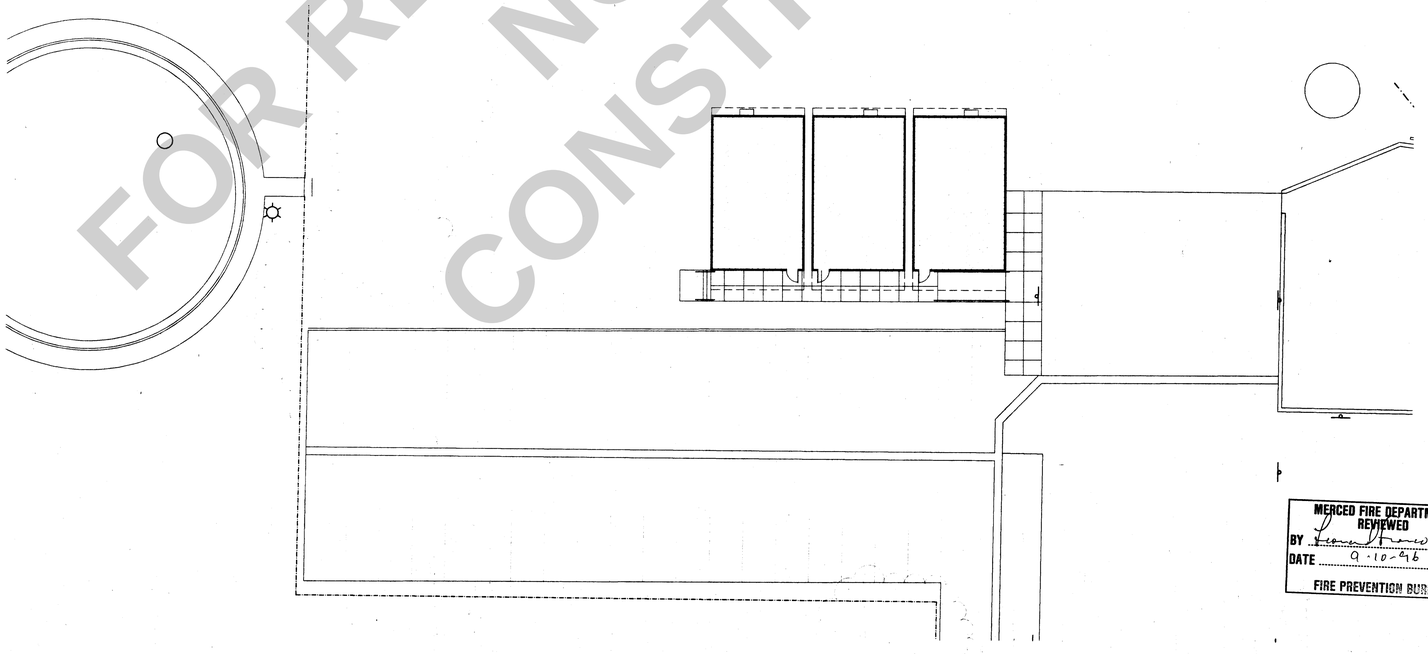


1 BURBANK SITE PLAN
SCALE: 1" = 40'-0"



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KEY PLAN

BURBANK

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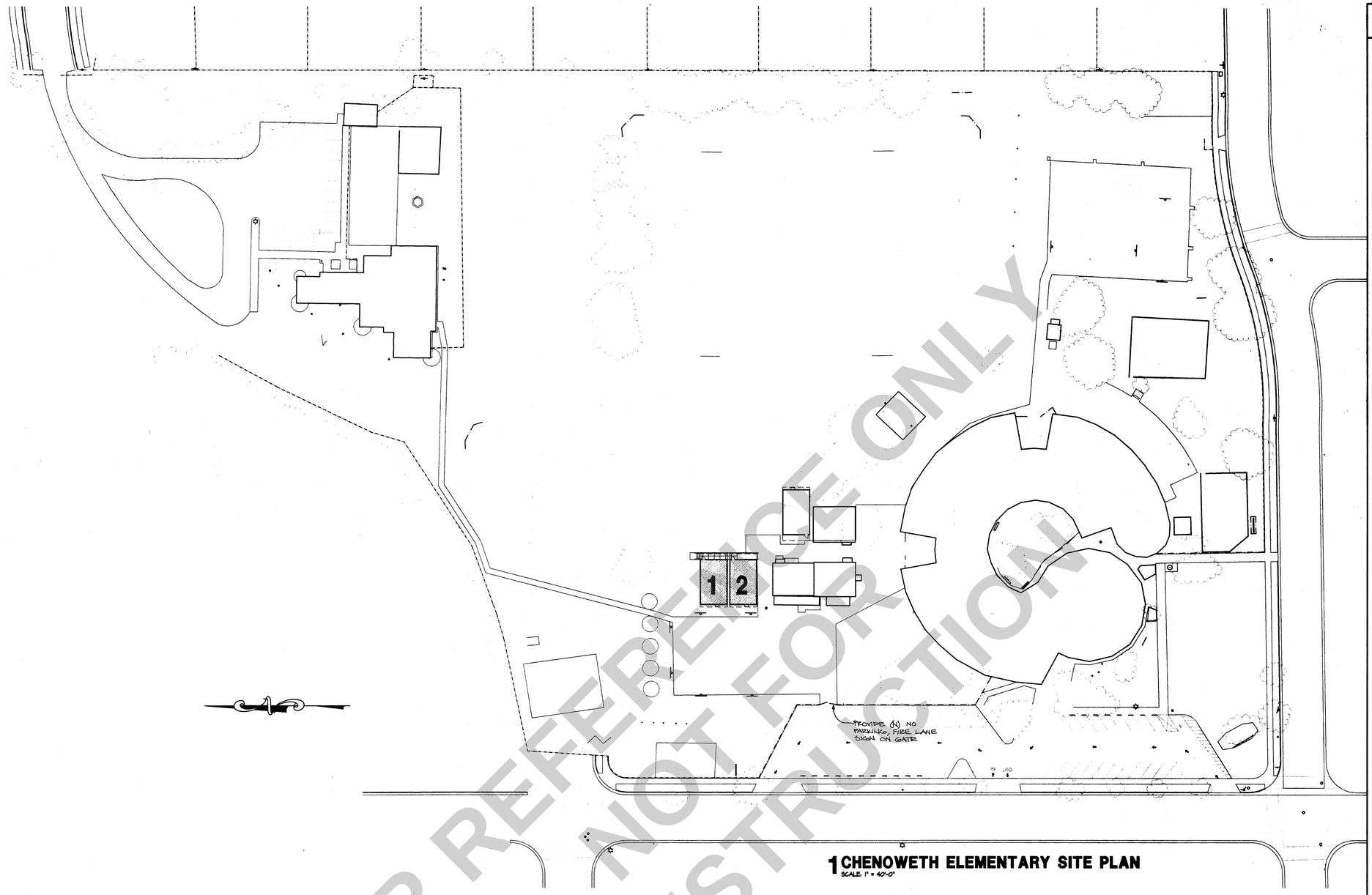
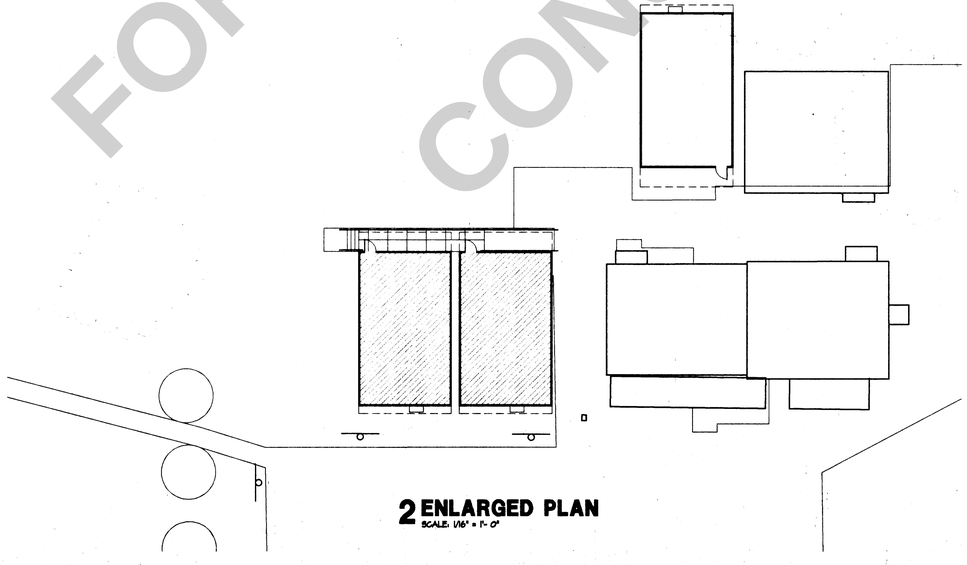


1 CHENOWETH ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"



2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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REN. 2-28-1997
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KEY PLAN

CHENOWETH

A-2.0

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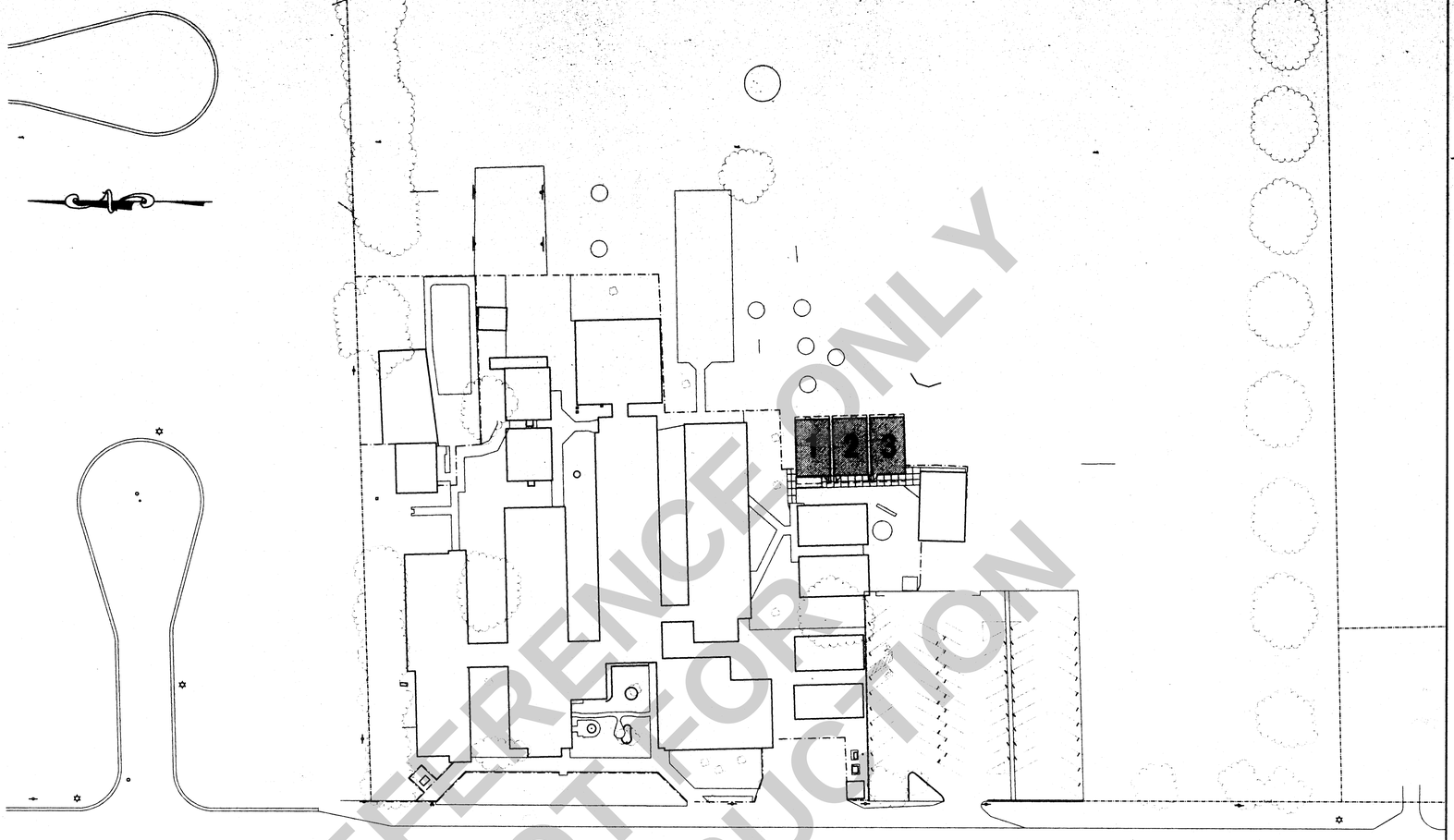
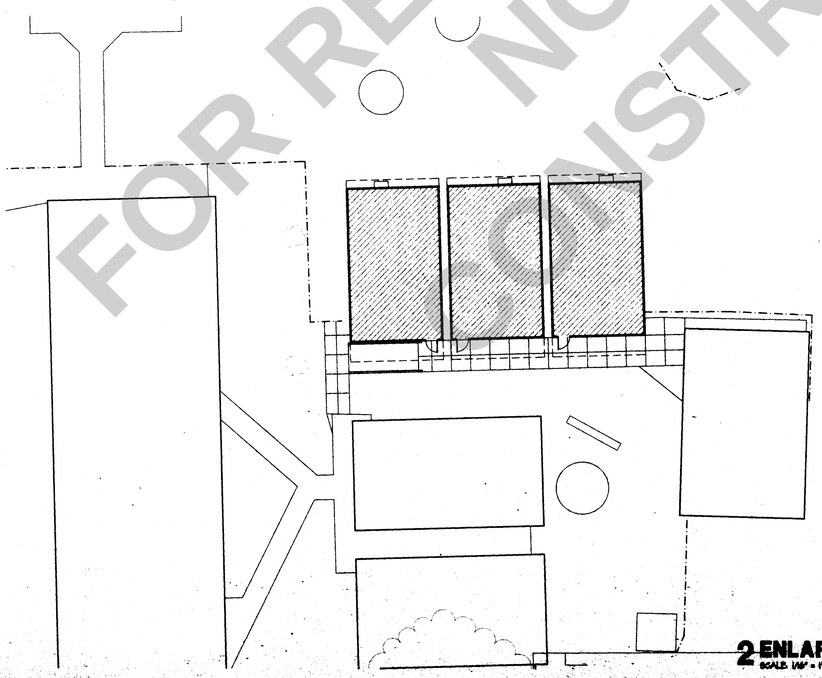


1 FRANKLIN ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"



2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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KEY PLAN

FRANKLIN

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MITCHELL A. MCALLISTER
NO. C-17250
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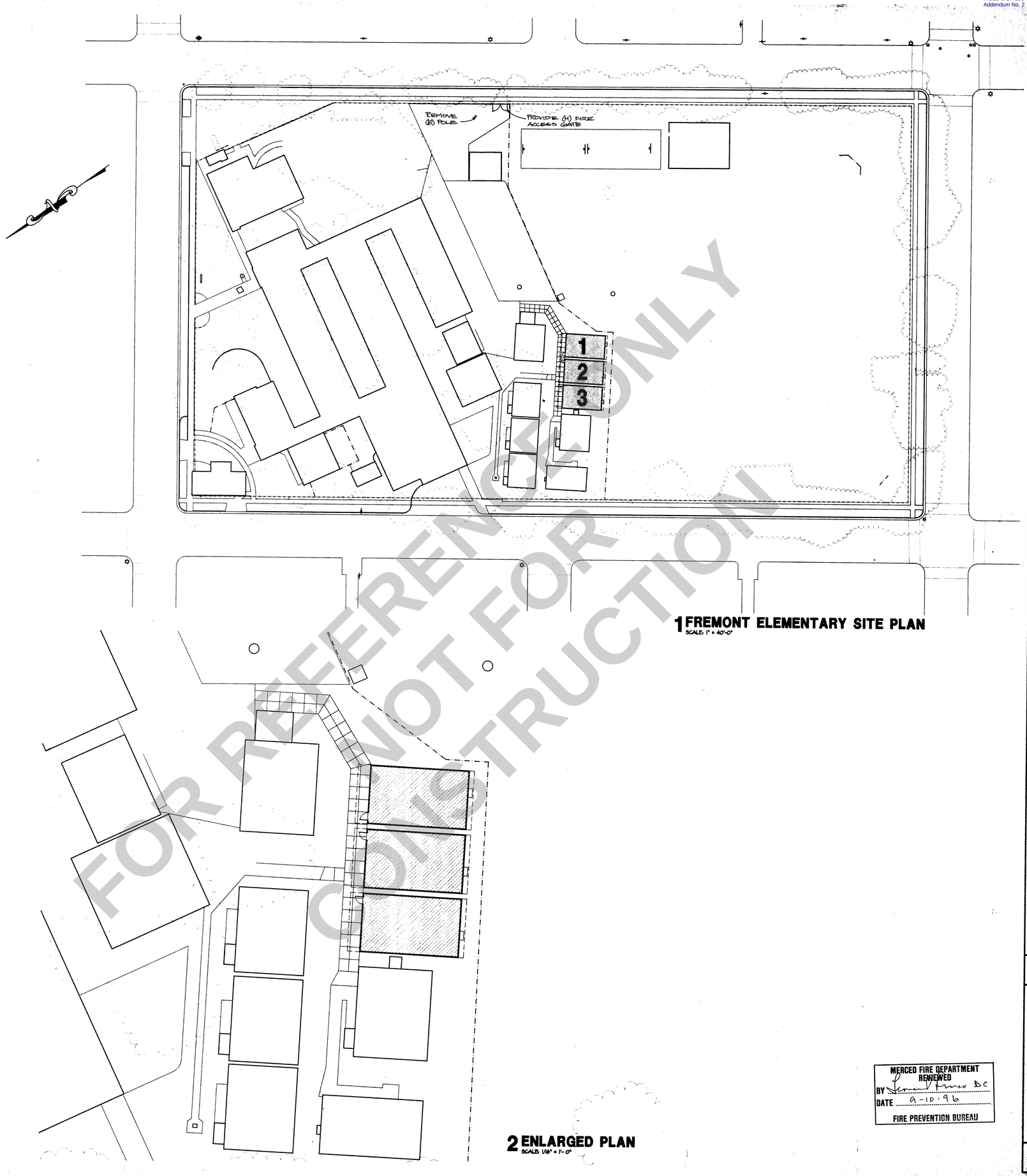

1 FREMONT ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"

2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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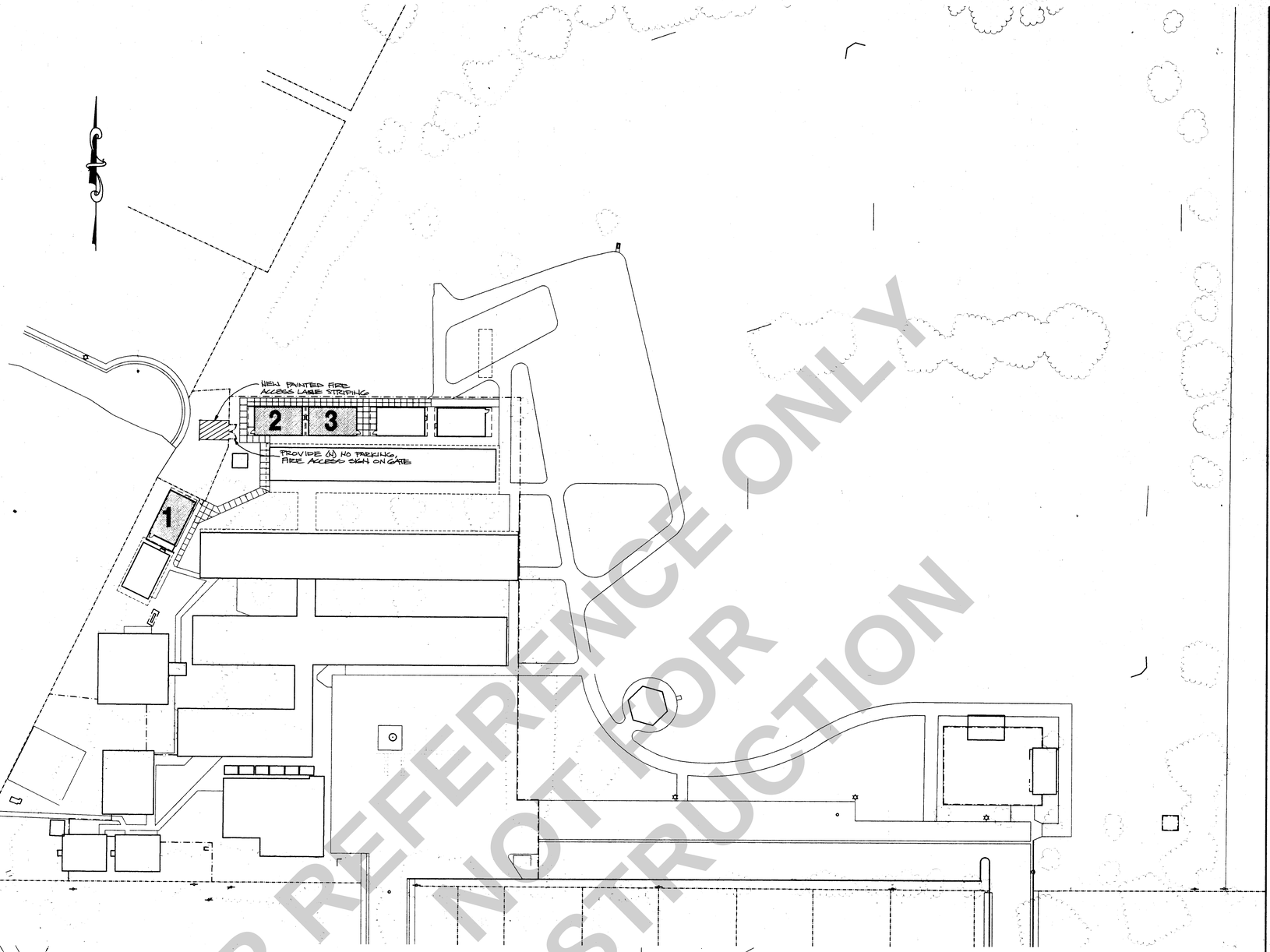
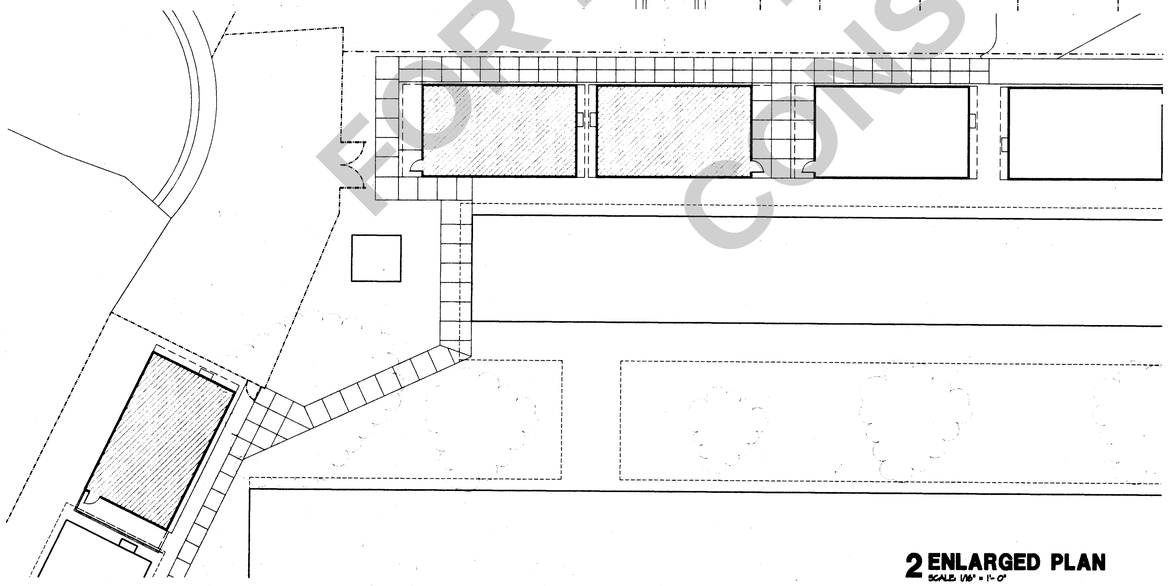


1 GIVENS ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"



2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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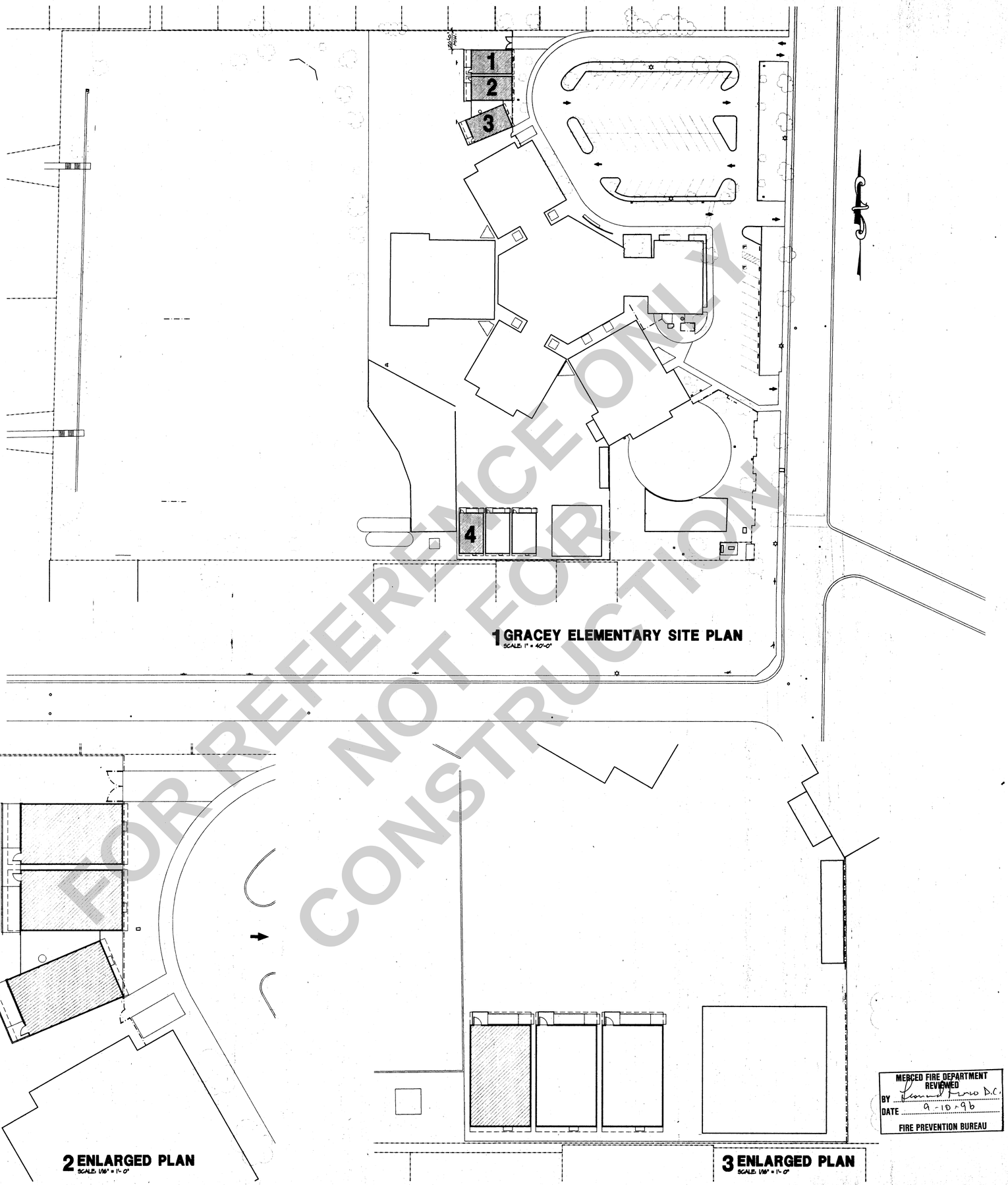

1 GRACEY ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"

2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

3 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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KEY PLAN

GRACEY

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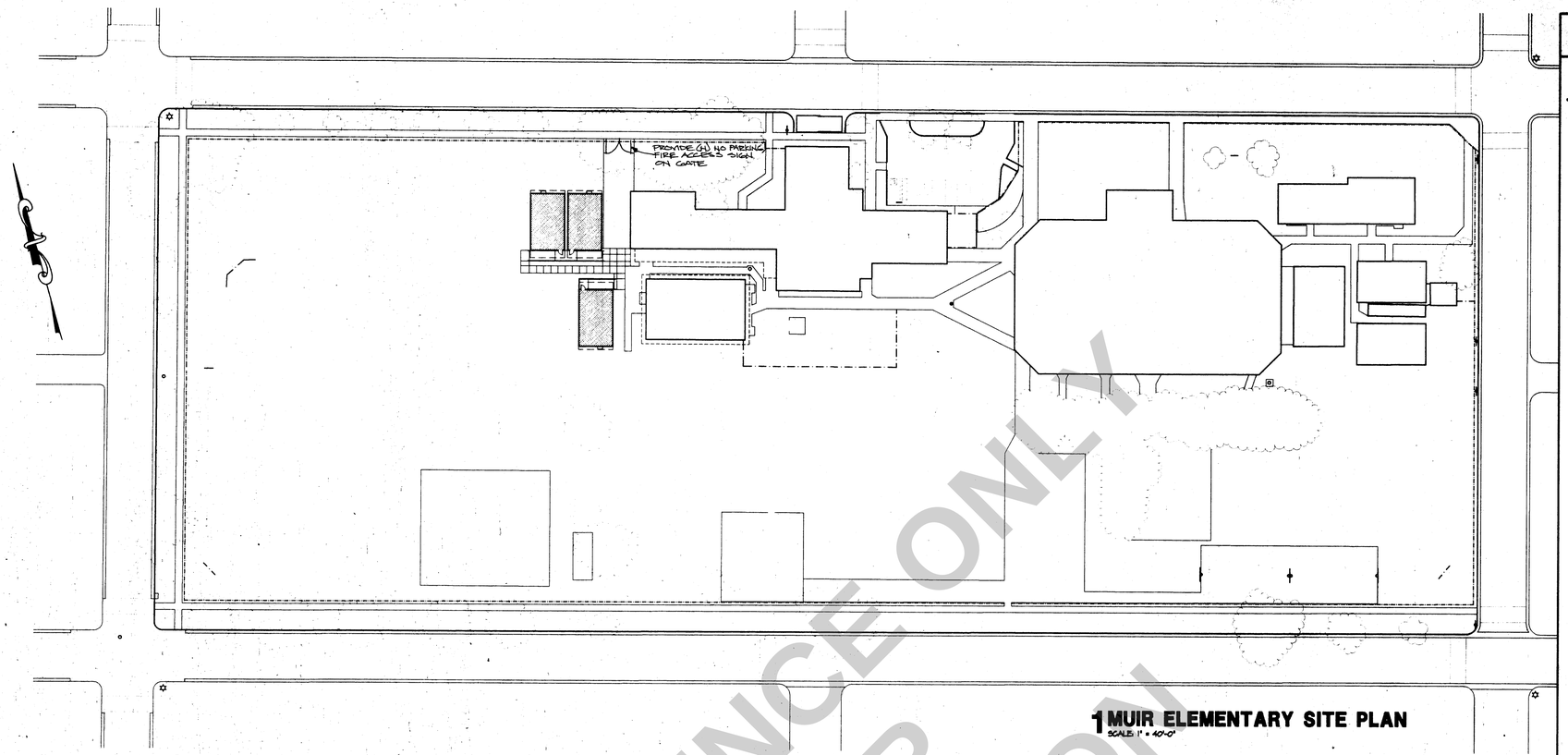
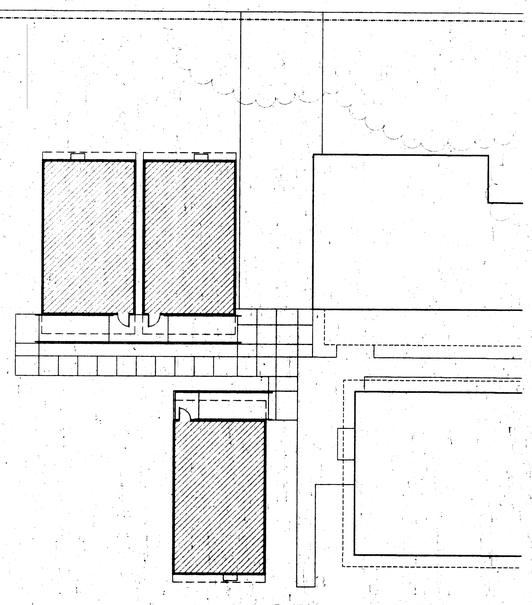


1 MUIR ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"



2 ENLARGED PLAN
SCALE: 1/8" = 1'-0"

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KEY PLAN

MUIR

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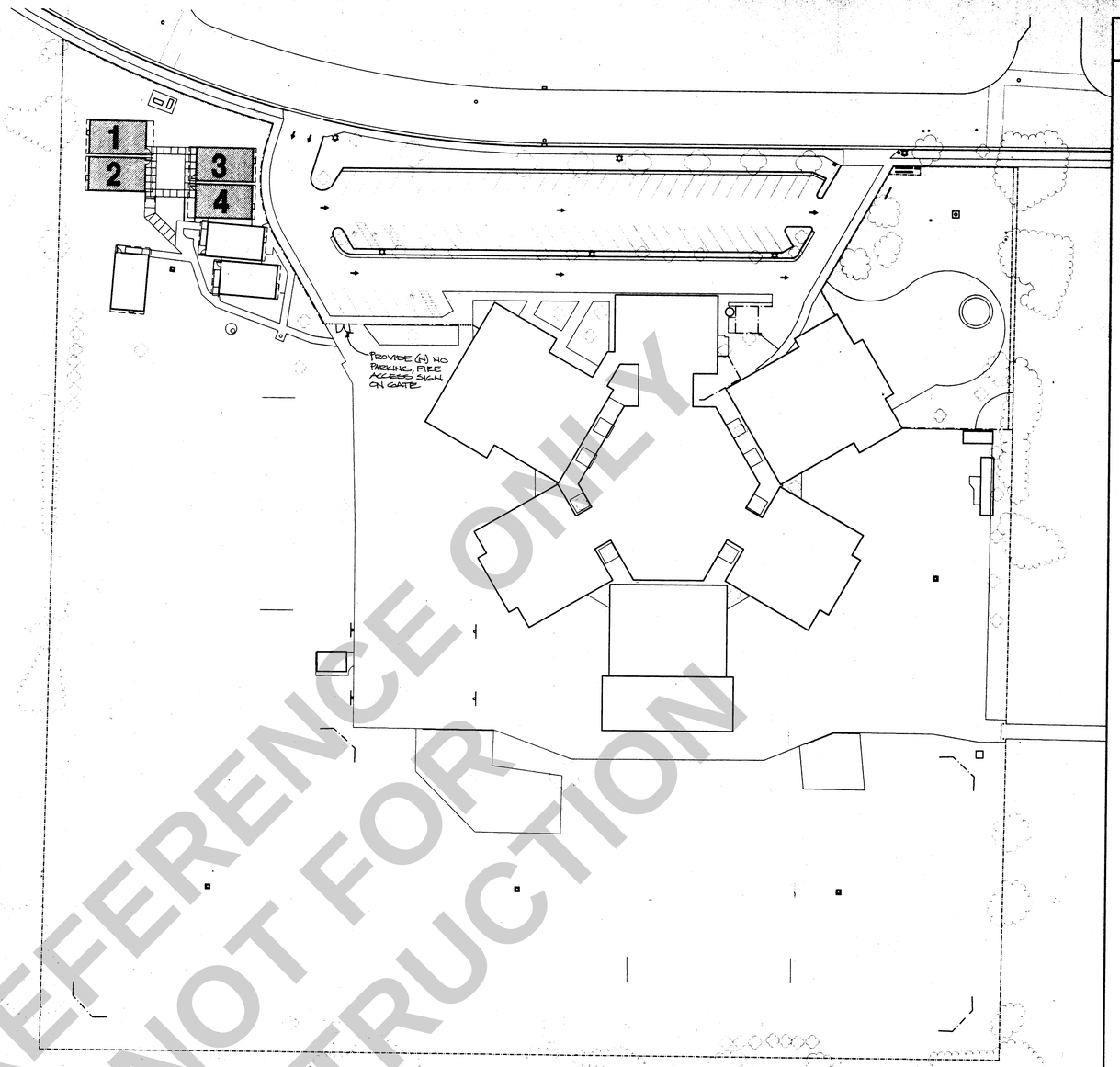
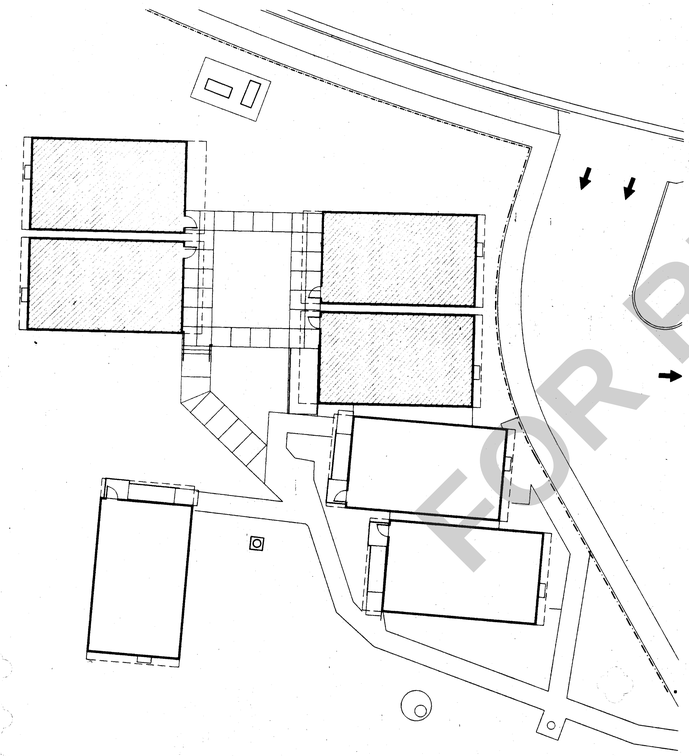


1 PETERSON ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"



2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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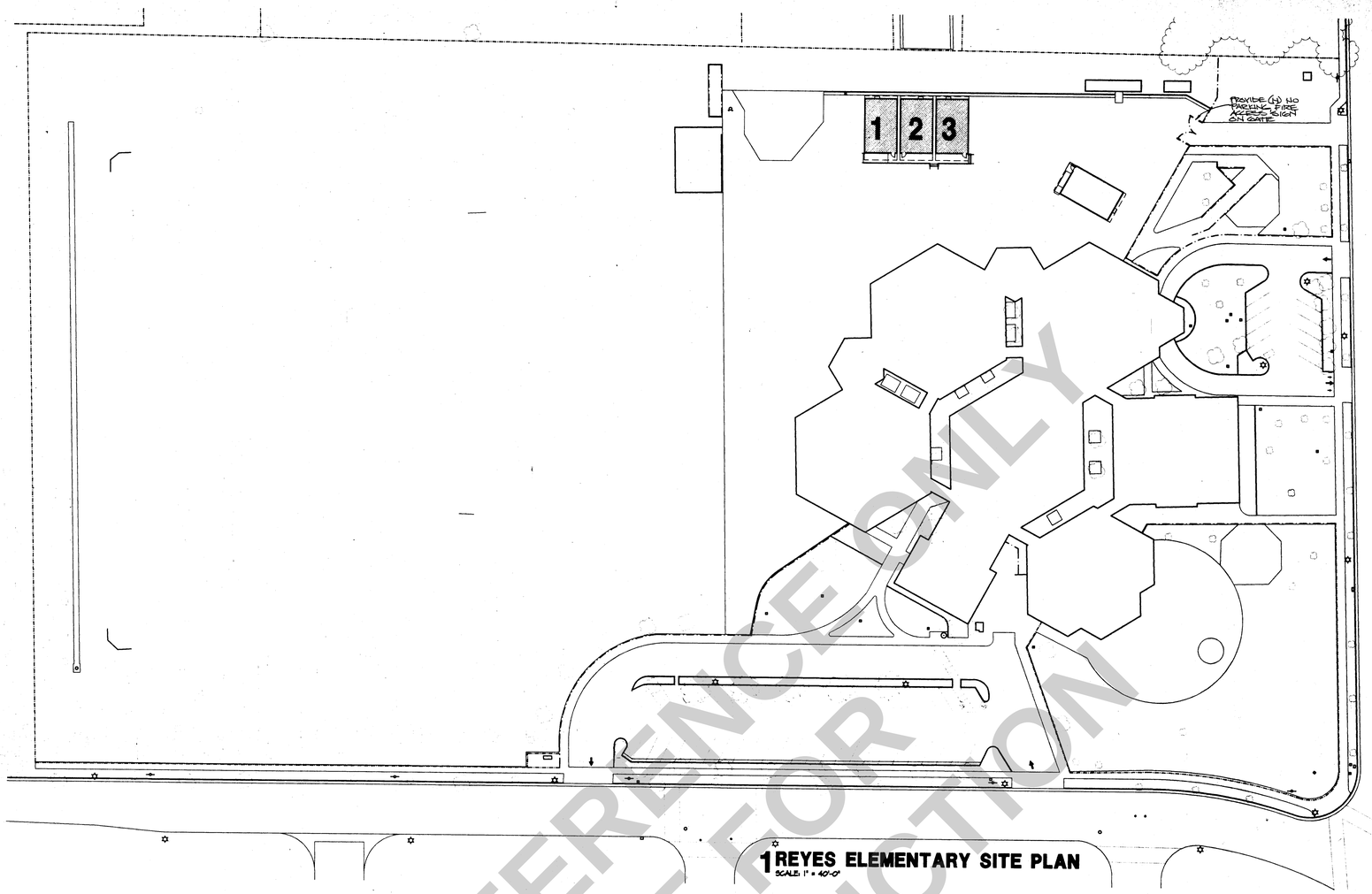
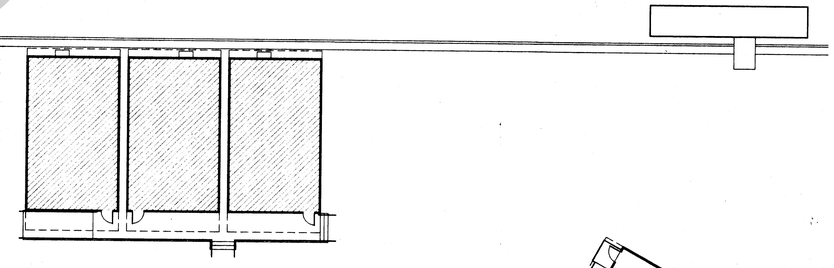


1 REYES ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"



2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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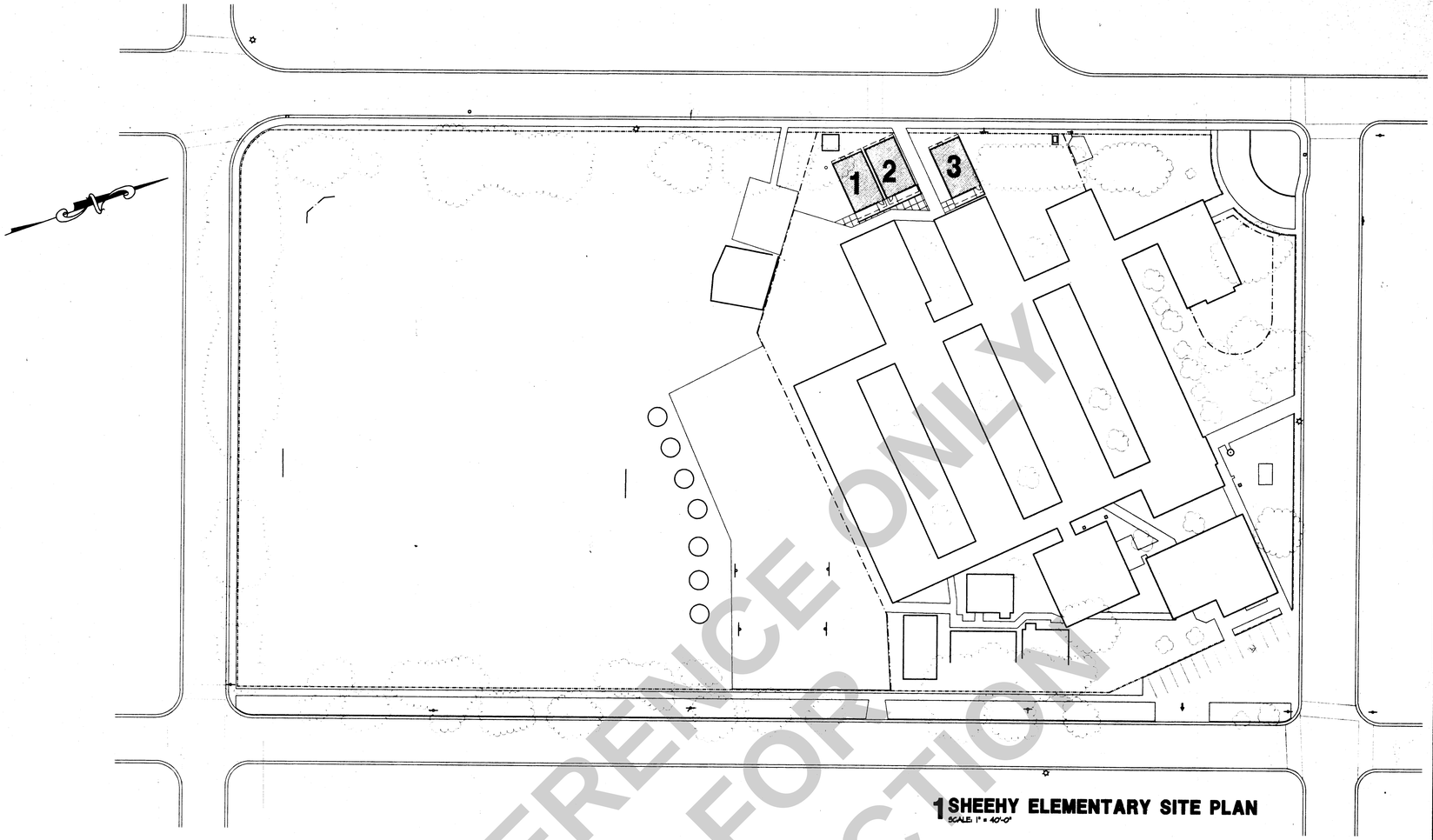
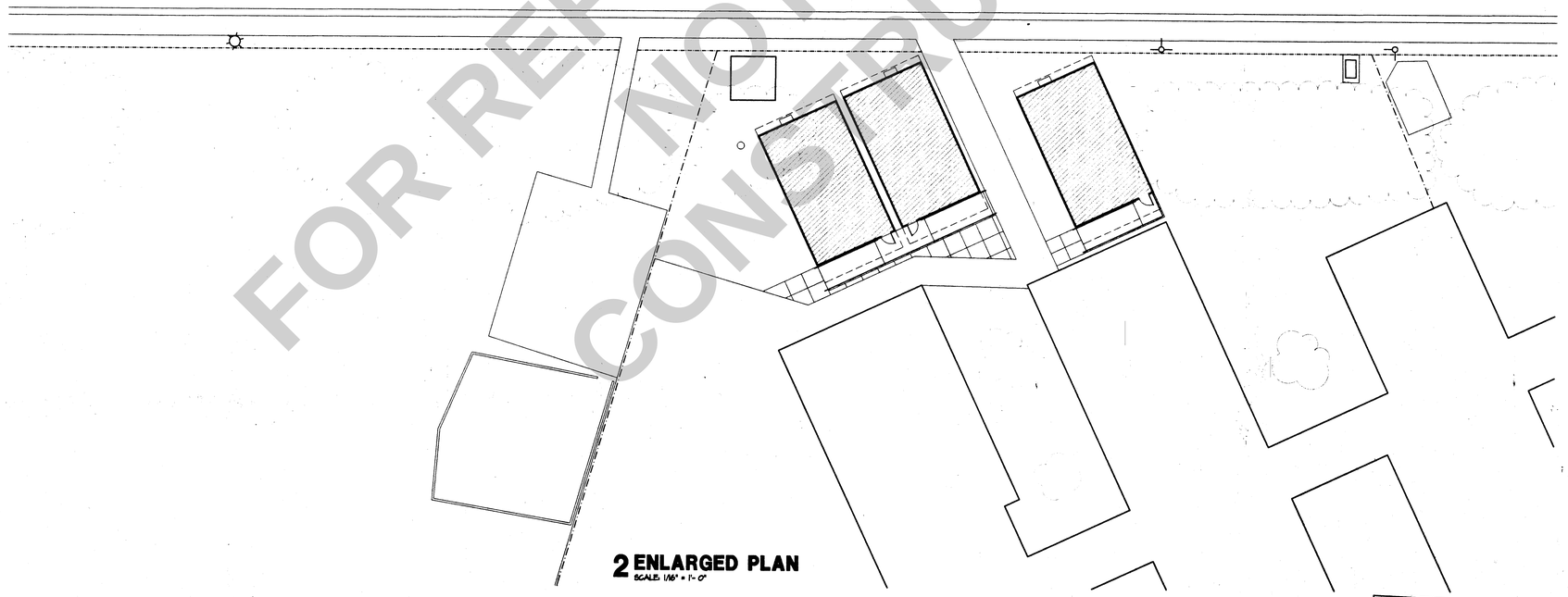


1 SHEEHY ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"



2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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KEY PLAN

SHEEHY

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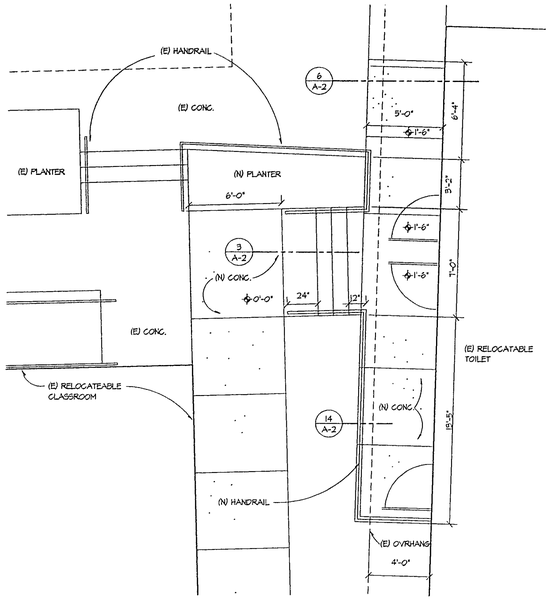
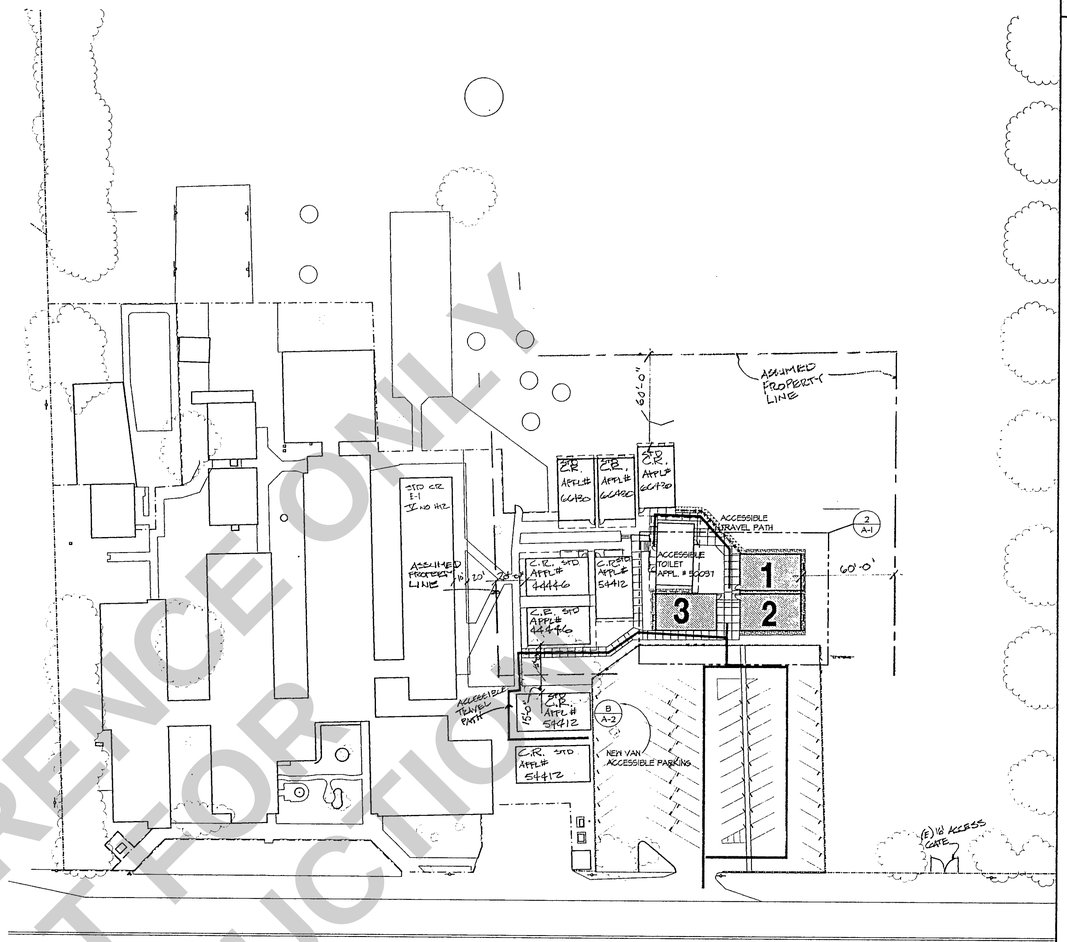
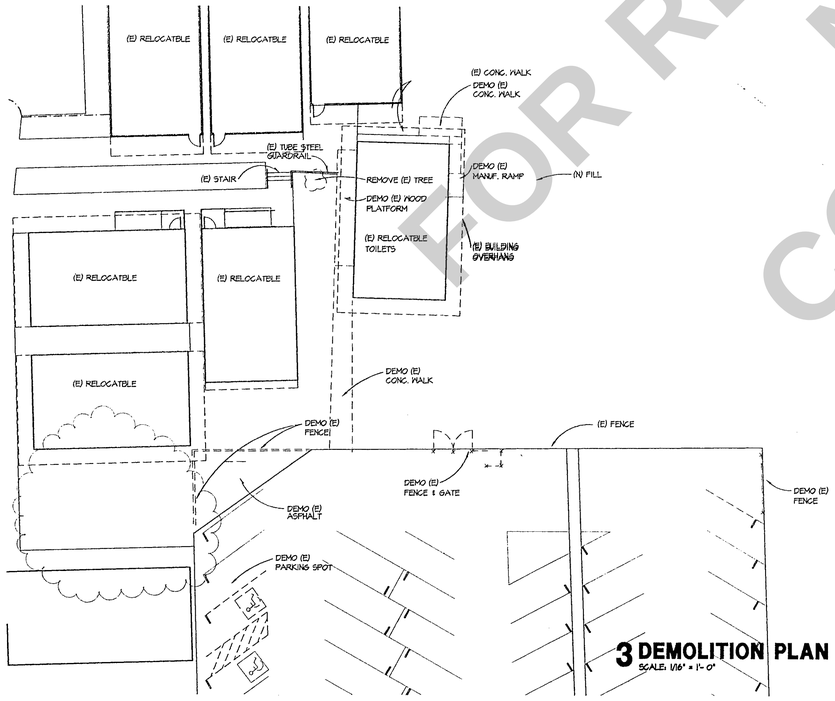


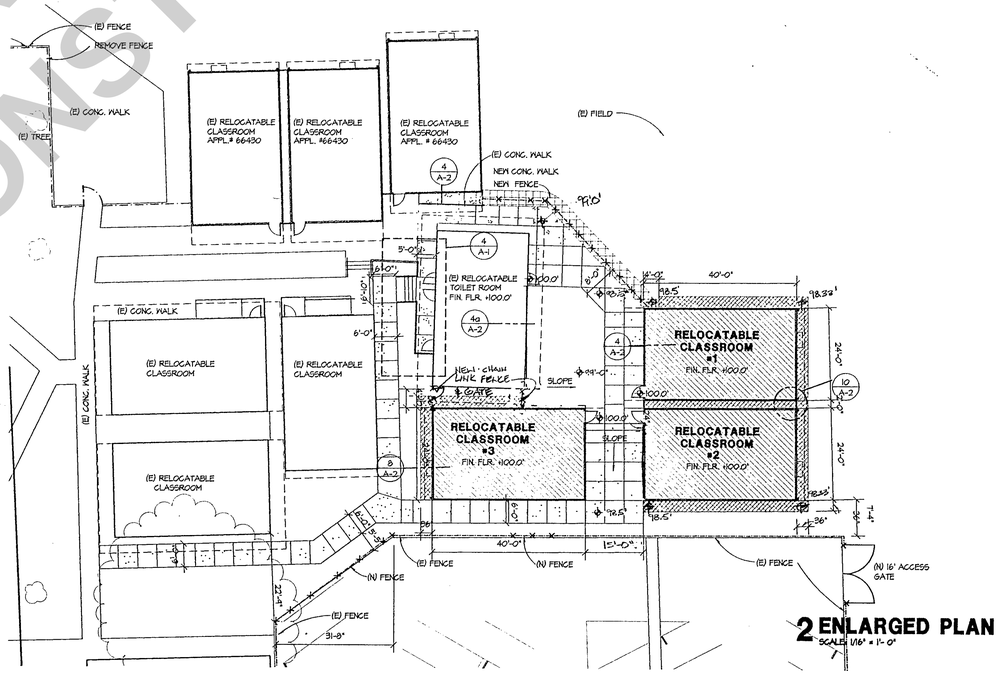
4 DETAIL
SCALE: 1 = 4'-0"



1 FRANKLIN ELEMENTARY SITE PLAN
SCALE: 1" = 40'-0"



3 DEMOLITION PLAN
SCALE: 1/16" = 1'-0"



2 ENLARGED PLAN
SCALE: 1/16" = 1'-0"

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GENERAL NOTES

1. RELOCATE SPRINKLER SYSTEM AS REQUIRED TO INSTALL NEW RELOCATABLES.
2. CONTRACTOR TO REMOVE ALL VEGITATION AND 2" TO 4" OF TOP SOIL AT LOCATION OF ENGINEERED FILL
3. CONTRACTOR TO REPAIR ALL ITEMS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION
4. OFFHAUL VEGETATION AND TOP SOIL
5. CONTRACTOR TO VERIFY (E) ELEVATIONS AND NOTIFY ARCHITECT 7 DAYS PRIOR TO START OF CONSTRUCTION AT EACH SITE.
6. REGRADE AND SEED DAMAGED LAWN AREAS. MATCH (E) LAWN TYPE.
7. FIN. FLR. =100.0'

(3) RELOCATABLES @ 960 S.F. EACH

CONST. TYPE V-NO HOUR
OCCUPANCY E-1
(3) BUILDINGS =2880 S.F.

10 RELOC. @ 960 SF = 9600 SF
2 SIDE YARDS USED 9600 SF X 1.5
= 13680 SF.
OCCUPANCY E-1

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JOHN INI
No. C 17259
REN. 8-28-1999
STATE OF CALIFORNIA

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1997 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

APPROVED
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DATE

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OFFICE OF REGULATION SERVICES
DSA 69388
AC – FLS
DATE 12-5-97

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MT. VERNON, WASHINGTON

FRANKLIN

A-1

F:\Merced City\Franklin Elementary\97-Reloc\A-1 Thu Aug 07 16:01:19 1997

STRUCTURAL SAFETY (SS) PLAN SUBMITTAL CHECKLIST FOR RELOCATABLE CLASSROOM BUILDINGS

NEW DSA CONFORMING RELOCATABLE

BUILDING and FOUNDATION DATA

PC No. 264 Manufacturer AMERICAN MODULAR

Design Roof Live Load 20 psf
Design Roof Snow Load — psf
Design Floor Live Load 50 psf
Design Seismic Zone 4
Building Design Wind Speed 90 mph Exposure Category C
Foundation Design Wind Speed 90 mph Exposure Category C
Foundation Design Soil Pressure 1000 psf [If greater than 1000psf, provide site Soils Report]

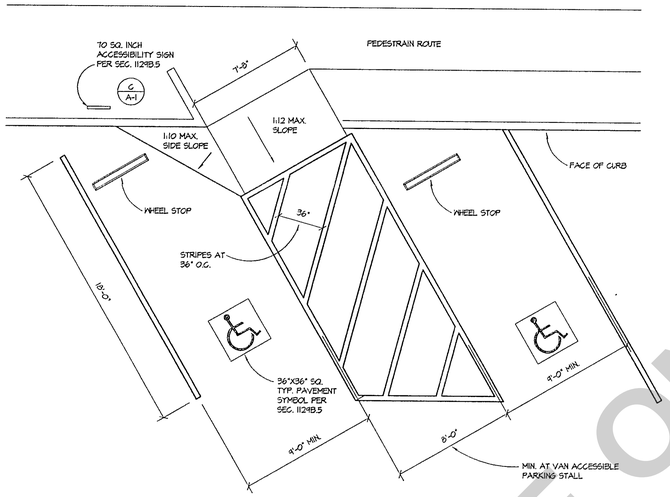
Test and Inspection Requirements
☐Sample and test steel or provide mill certifications ☐Shop fabrication inspection
☐Shop welding ☐Field welding ☐Expansion anchors
☐Concrete compression ☐Engineered fill ☐Grounding

SITE DATA

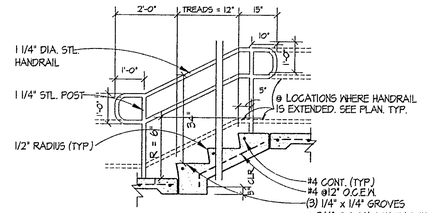
Site Roof Snow Load 20 psf
Site Wind Speed 110 psf Exposure Category C
Site Seismic Zone 3

Concrete, asphalt, or earth abuting frame or siding? If YES, provide detail.	☑Yes ☐No
Closure panel provided between structures? If YES, provide detail that allows movement.	☑Yes ☐No
Undisturbed ground slope less than 10%? If NO, schedule OTC appointment	☑Yes ☐No
Retaining wall heights less than 4 feet? If NO, provide design details and calculations.	☑Yes ☐No
Retaining walls are NOT closer than twice the retaining wall height to the building foundation? If NO, provide design details and calculations.	☑Yes ☐No
Fill height less than 2 feet? If NO, grading plan per Section 3301.1, Part 2, Title 2 and engineered fill inspection required.	☑Yes ☐No
Existing utilities adequate?	☑Yes
Positive drainage provided?	☑Yes
Underfloor ventilation provided per Section 2317A.7, Part 2 Title 24?	☑Yes
Minimum clearance under structure greater than 2 inches?	☑Yes
Separation between structures greater than 2 inches?	☑Yes
Electrical connections between structures allow movement horizontally?	☑Yes
Access provided to all underfloor utilities?	☑Yes

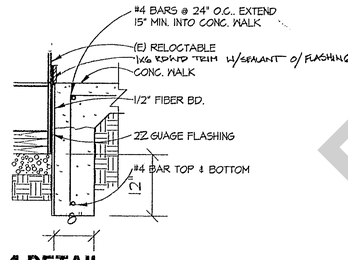
5



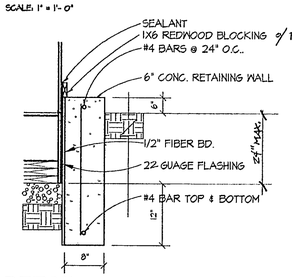
B DIAGONAL PARKING STALLS
SCALE: 1/4" = 1'-0"



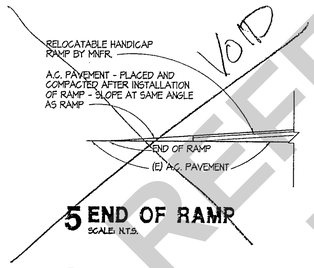
3 STAIR SECTION
SCALE: 1" = 1'-0"



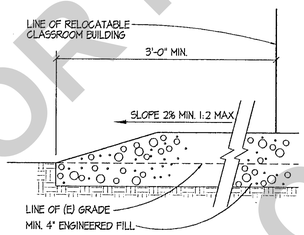
4 DETAIL
SCALE: 1" = 1'-0"



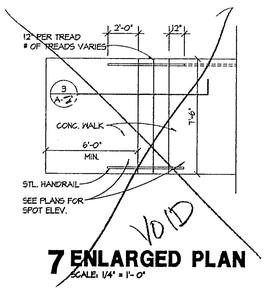
4a DETAIL
SCALE: 1" = 1'-0"



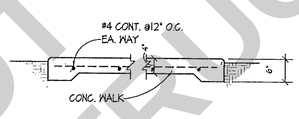
5 END OF RAMP
SCALE: N.T.S.



8 BUILDING PAD
SCALE: 1-1/2" = 1'-0"



7 ENLARGED PLAN
SCALE: 1/4" = 1'-0"



6 SECTION
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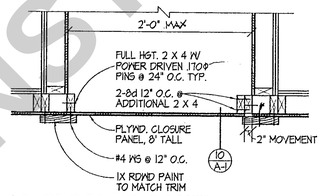
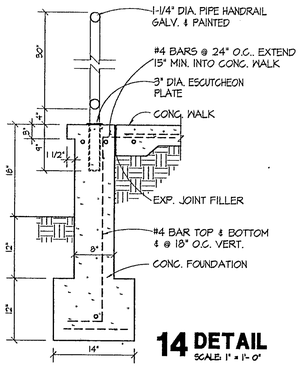
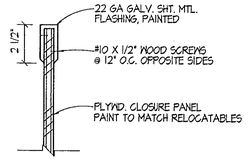


10 CLOSURE PANEL
SCALE: 1" = 1'-0"



14 DETAIL
SCALE: 1" = 1'-0"



11 FLASHING DETAIL
SCALE: 3" = 1'-0"

FIRE & LIFE SAFETY (FLS) PLAN SUBMITTAL CHECKLIST FOR RELOCATABLE CLASSROOM BUILDINGS

	YES	NO
A. Property Lines, Dimensions, Const. Type, Area, Occupancy Class, # of Occupants Shown	X	
B. Fire Access Shown - Local Fire Authority Review Block Completed	X	
C. FLS Standard Site Plan: A ___ B X C ___ D ___ E ___ (check plan used) OR		
FLS Non-Standard Site Plan - Reduced Separation/Area Increase Justified Per CBC, Ch.5		
D. Fire Alarm Panel, Pull Stations, Audible Devices, Detectors Shown	X	
E. Current SFM Listing Numbers For New Fire Alarm Equipment Shown	X	
F. Fire Alarm System Type: Manual X Automatic ___ (check which type)		
G. Fire Alarm System Design Options (check option used 1-4 below)		
1. New "Stand Alone" SFM Approved and Listed Fire Alarm System		
Building/Group ≥ 20 ft. From Others		
Method of Communication Provided		
2. SFM Listed Fire Alarm Devices Connected to (E) Fire Alarm Circuit	X	
Worst Case Voltage Drop ≤ 10% (Ohm's Law)		
Battery Amp Hours Required 1785 < Provided 2000 (fill in)		
3. (E) Device Audible in Classroom - (E) Fire Alarm Pull Station ≤ 200 ft.		
4. Other Fire Alarm System Modifications - Explain: ___		X
H. Test of Fire Alarm System in Presence of Fire Authority to be Conducted	X	
I. NFPA "Certificate of Compliance" Form to be Submitted to ORS	X	
J. Means of Evacuation Other Than Fire Alarm Provided (fire authority concurrence required)		X

Explain: ___

Items A-I Must be Completed for Expedited Review (Item J when applicable) or Submit Plans for Regular Review

Revised 6/1

ACCESS COMPLIANCE (AC) PLAN SUBMITTAL CHECKLIST FOR RELOCATABLE CLASSROOM BUILDINGS

	YES	NO
■ Has the District completed construction of DSA approved plans for at least one "Van Accessible" parking space for persons with disabilities?		✓
If YES, the DSA application number (over 61,000) is: ___		
If NO, are the new or alteration construction plans attached which meet all required features listed in the Workshop Manual?	✓	
If NO, does the District have an ADA Transition Plan or a DSA approved modernization plan for this site?		
If NO, is this the first relocatable classroom project on this site since January 1, 1982?		
■ Has the District completed construction of DSA approved plans for at least one pair of (Men/Women or Boys/ Girls) accessible toilets?	✓	
If YES, the DSA application number (over 61,000) is: 50037 5th Reviews ok		
If NO, are the new or alteration construction plans attached which meet all required features listed in the Workshop Manual?		
If NO, does the District have an ADA Transition Plan or a DSA approved modernization plan for this site?		
If NO, is this the first relocatable classroom project on this site since January 1, 1982?		
■ Has the District completed construction of DSA approved plans for at least one drinking fountain?	✓	
If YES, the DSA application number (over 44,000) is: 50037		
If NO, are the new or alteration construction plans attached which meet all required features listed in the Workshop Manual?		
If NO, does the District have an ADA Transition Plan or a DSA approved modernization plan for this site?		
If NO, is this the first relocatable classroom project on this site since January 1, 1982?		
■ Have you indicated (by a dotted line) in the site plan above an existing DSA approved accessible route for persons with disabilities which identifies a barrier-free route from the accessible van parking space to each of the relocatable classroom(s) and which has no sudden change in elevation over ½ inch at 1:2 pitch, and which includes and indicates each ramp, special access lift, or elevator on the route complying with Part 2, Title 24?		✓
If YES, the DSA application number (over 61,000) is: ___	✓	
If NO, are the new or alteration construction plans attached?		
If NO, does the District have an ADA Transition Plan or a DSA approved modernization plan for this site ?		
If NO, is this the first relocatable classroom project on this site since January 1, 1982?		
■ Is/Are the relocatable classroom(s) pre-approved by DSA?	X	
If YES, the DSA PC number is: 264		
If NO, is this project limited to the following building types? Please check: ☐ PC ☐ HSCD 1979- ☐ DSA CONFORMING (Plans must be attached)		

STRUCTURAL SAFETY PLAN SUBMITAL CHECKLIST FOR RELOCATABLE CLASSROOM BUILDINGS

BUILDING and FOUNDATION DATA

Date of Manufacture ___/___/___ Insignia No. ___

Design Roof Live Load 30 psf (from HCD insignia on building)
Design Roof Snow Load 30 psf (from HCD insignia on building)
Design Floor Live Load 50 psf (from HCD insignia on building)
Building Design Wind Load 70 psf (from HCD insignia on building)
(Wind load capacity of 15 psf is assumed to meet 75 mph, exposure C site wind conditions)
DSA Approved Foundation PA No. 2033
Foundation Design Wind Speed 90 mph Exposure Category C
Foundation Design Soil Pressure 1000 psf [If greater than 1000psf, provide site Soils Report]
Design requires disabled access ramp and platform? ☐Yes ☑No
If YES, DSA Approved Ramp and Platform PA No. ___

Test and Inspection Requirements
☐Field welding ☑Expansion anchors ☑Grounding
☑Concrete compression ☑Engineered fill ☑Proof Load test for soil anchors

BUILDING CONDITION [See IR 2-1 and IR 12-1]

Structural condition acceptable? If NO, contact DSA Area Office before submittal.	☑Yes ☐No
Overhead elements anchored and braced? If NO, provide details.	☑Yes ☐No

SITE DATA

Site Roof Snow Load 30 psf
Site Wind Speed 70 mph Exposure Category C
If Site Wind Speed exceeds 75 mph, calculate Building Design Wind Pressure ___ psf (provide justification for Exposure Category A or B)

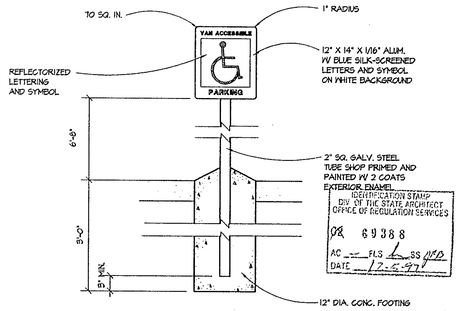
Concrete, asphalt, or earth abuting frame or siding? If YES, provide detail.	☑Yes ☐No
Closure panel provided between structures? If YES, provide detail that allows movement.	☑Yes ☐No
Undisturbed ground slope less than 10%? If NO, schedule OTC appointment	☑Yes ☐No
Retaining wall heights less than 4 feet? If NO, provide design details and calculations.	☑Yes ☐No
Retaining walls are NOT closer than twice the retaining wall height to the building foundation? If NO, provide design details and calculations.	☑Yes ☐No
Fill height less than 2 feet? If NO, grading plan per Section 3301.1, Part 2, Title 2 and engineered fill inspection required.	☑Yes ☐No
Existing utilities adequate?	☑Yes
Positive drainage provided?	☑Yes
Underfloor ventilation provided per Section 2317A.7, Part 2 Title 24?	☑Yes
Minimum clearance under structure greater than 2 inches?	☑Yes
Separation between structures greater than 2 inches?	☑Yes
Electrical connections between structures allow movement horizontally?	☑Yes
Access provided to all underfloor utilities?	☑Yes

LOCAL FIRE AUTHORITY REVIEW

SEE SITE PLAN

INDEX

CONSULTANTS



C SIGN DETAIL
SCALE: 1/2" =1'-0"

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REVISIONS

LICENSED ARCHITECT — JAMES R. WILLIAMS — No. C17250 — REN. 2-28-1999 — STATE OF CALIFORNIA

FRANKLIN ELEMENTARY SCHOOL
1997 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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SACRAMENTO, CALIFORNIA
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MQSD B(3)-2024-5 04/02/2025
Addendum No. 2

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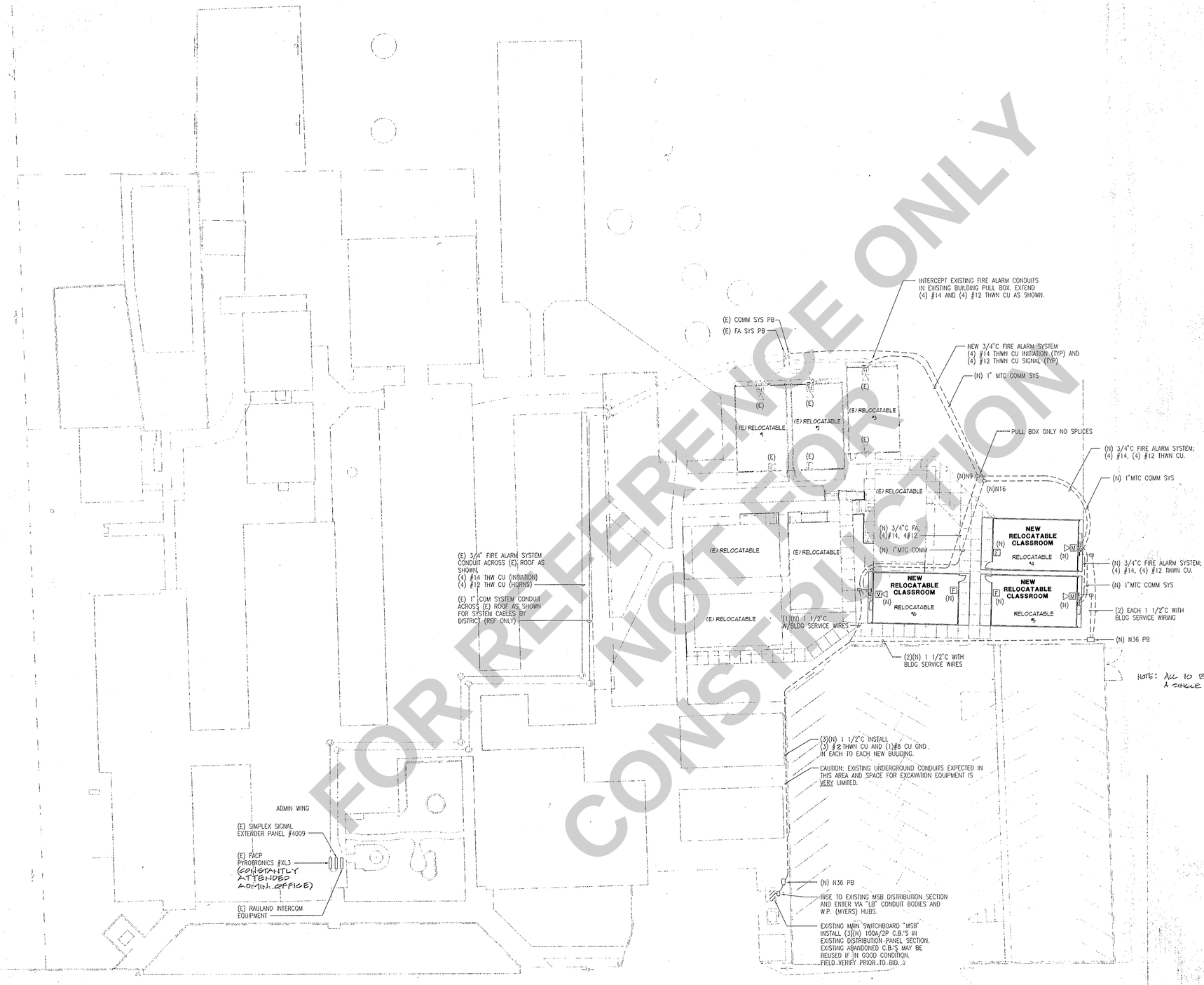

ELECTRICAL SITE PLAN

SCALE: 1" = 20' - 0"

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D.M.C.

REVISIONS

CHASE ELECTRICAL ENGINEERING
5710 GARFIELD AVE. SUITE C
SACRAMENTO, CA. 95841
(916) 344-4878

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1997 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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MT. VERNON, WASHINGTON

FRANKLIN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
DSA 69388
AC — FLS — SS
DATE 12-5-97

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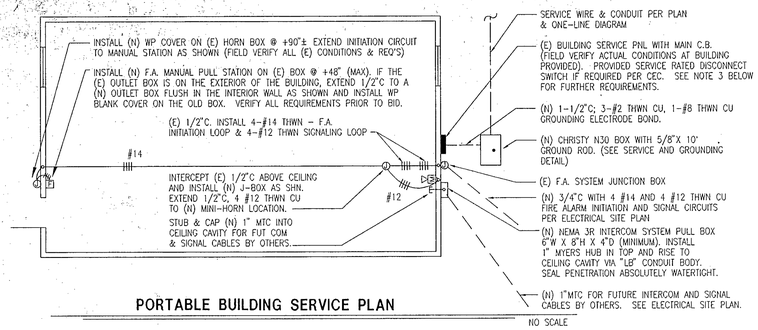


PORTABLE BUILDING SERVICE PLAN

NO SCALE

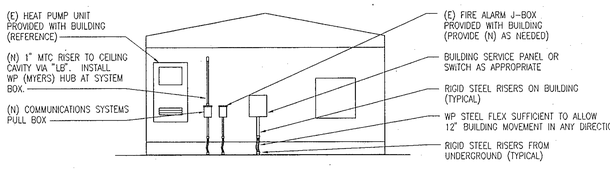
NOTES:

1 RISE TO SERVICE PANEL WITH WATER-TIGHT FLEX TO ALLOW FOR 12" BUILDING MOVEMENT IN ANY DIRECTION. UNDERGROUND SERVICE CONDUIT ELBOW AND RISER TO BE RIGID STEEL.

2 RISE TO FIRE ALARM AND COMMUNICATIONS SYSTEMS JUNCTION BOXES WITH WATER-TIGHT FLEX TO ALLOW FOR 12" BUILDING MOVEMENT. RISERS AND ELBOWS SHALL BE RIGID STEEL.

3 WHERE SERVICE PANEL IS PROVIDED INSIDE THE BUILDING, ENTER PANEL VIA "LB". SECURE LOWER END OF "LB" TO BUILDING WITH TWO HOLE CONDUIT CLAMP. PROVIDE CONDUIT NIPPLE AND BLOCKING AS NEEDED. IF A SERVICE SWITCH IS DETERMINED TO BE REQUIRED, POSITION SWITCH ON OUTSIDE OF BUILDING SUCH THAT A RIGID STEEL NIPPLE FROM THE SWITCH WILL ENTER THE PANEL PROPERLY FOR FEEDER TERMINATION PER CEC.

4 ALL BUILDING PENETRATIONS MUST BE SEALED PERMANENTLY WATERTIGHT TO THE SATISFACTION OF THE ARCHITECT.



PORTABLE BUILDING SERVICE ELEVATION

NO SCALE

NOTES:

1 VERIFY ALL EXISTING CONDITIONS ON BUILDING(S) PROVIDED AND LOCATE (N) EQUIPMENT AS APPROPRIATE. PROVIDE BLOCKING AS REQUIRED IN ALL LOCATIONS.

VOLTAGE DROP CALCULATIONS

FIRE ALARM CONTROL PANEL
SIGNAL CIRCUIT"A", 24 VDC

FORMULA: VD(TOTAL) = SUM (2 X CIRCUIT SEGMENT LENGTH X CURRENT IN SEGMENT X DC WIRE RESISTANCE / 1,000')

DC RESISTANCE PER 1,000 LINEAL FEET USED IN CALCULATIONS:

WIRE GAGE:	#16	#14	#12	#10	#8
DC R/MLF:	4.0160	2.5250	1.5880	0.9989	0.6282

SIGNAL DEVICES ARE SHOWN BELOW IN ORDER FROM THE CONTROL PANEL TO THE END DEVICE

DEVICE # AND DESCRIPTION	DEVICE AMPS	CKT SEG. TO DEVICE DISTANCE	WIRE SIZE	TOT. AMPS IN CIRCUIT SEGMENT	VOLT DROP IN CIRCUIT SEGMENT	VOLTS @ DEVICE
BLDG #1, MINI-HORN,	0.015	467	12	0.090	0.133	23.867
BLDG #2, MINI-HORN,	0.015	60	12	0.075	0.014	23.852
BLDG #3, MINI-HORN,	0.015	85	12	0.060	0.016	23.836
BLDG #6, MINI-HORN,	0.015	198	12	0.045	0.028	23.808
BLDG #4, MINI-HORN,	0.015	188	12	0.030	0.018	23.790
BLDG #5, MINI-HORN,	0.015	56	12	0.015	0.003	23.787

TOTAL VOLTAGE DROP 0.213 VOLTS
% VOLTAGE DROP 0.9%
VOLTAGE @ END DEVICE: 23.787 VOLTS

BATTERY CAPACITY CALCULATIONS

SUPERVISORY CURRENT:
FIRE ALARM EXTENDER PANEL (SIMPLEX 4009-9001) 0.067A

ALARM CURRENT:
FIRE ALARM EXTENDER PANEL: 0.103 A
3 (E) MINI-HORNS (SIMPLEX 2901-9836): 3 x .015A = 0.045

3 (N) MINI-HORNS (SIMPLEX 2901-9836): 3 x .015A = 0.045
TOTAL ALARM CURRENT: 0.193 A

BATTERY CAPACITY CALCULATION:
TWENTY FOUR HOURS IN STANDBY CONDITION PLUS 10%:
24HR x .062A x 1.10 = 1.769 A-H
FIVE MINUTES IN ALARM CONDITION:
5/60HR x 0.193A = 0.016
TOTAL STANDBY BATTERY REQUIREMENTS 1.785 A-H

EXISTING 10 A-H BATTERY HAS SUFFICIENT CAPACITY FOR THIS SYSTEM DEMAND

ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
	SWITCHBOARD OR DISTRIBUTION PANEL
	LIGHTING OR DISTRIBUTION PANELBOARD
	TERMINAL CABINET
J	JUNCTION BOX
F	MANUAL FIRE ALARM PULL STATION @ +48" TO MATCH (E) SYSTEM EQUIPMENT SIMPLEX MODEL # 2099-9754; CSFM #7150-0026:175
M	FIRE ALARM MINI-HORN @ +90" TO MATCH (E) SYSTEM EQUIPMENT SIMPLEX MODEL #2901-9836; CSFM #7135-0026:170
EOL	END-OF-LINE DEVICE (RESISTOR VON) LOCATED AS SHOWN
	CIRCUIT CONCEALED IN CEILING OR WALL
	CIRCUIT CONCEALED IN FLOOR OR UNDERGROUND
	HOMERUN TO PANELBOARD OR TERMINAL CABINET
	DENOTES # OF #12 WIRES, NO MARKS= 2 #12, 1/2"C.
C	CONDUIT
WP	WEATHERPROOF
UON	UNLES OTHERWISE NOTED
MSB	MAIN SWITCHBOARD
FACP	FIRE ALARM CONTROL PANEL
PNL	PANELBOARD
C.B.	CIRCUIT BREAKER
STC	SIGNAL TERMINAL CABINET
(E)	EXISTING
(N)	NEW
(R)	EXISTING TO BE REMOVED OR RELOCATED
MTC	EMPTY CONDUIT W/1 #12 PULL WIRE

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8-13-97

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#

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D.M.C.

REVISIONS

LICENSED ARCHITECT — No. C 17261 — EXP. 2-29-97 — STATE OF CALIFORNIA

CHASE ELECTRICAL ENGINEERING
REGISTERED PROFESSIONAL ENGINEER — JAMES M. CHASE — No. E-9532 — ELECTRICAL — STATE OF CALIFORNIA
5710 GARFIELD AVE. SUITE C
SACRAMENTO, CA. 95841
(916) 344-4878

FIRE ALARM NOTES

1 THE FIRE ALARM SYSTEM SHALL CONFORM TO ARTICLE 760 OF THE CALIFORNIA BUILDING CODE.

2 INSTALLATION OF THE FIRE ALARM SYSTEM EXTENSION SHALL NOT BE STARTED UNTIL DETAILED SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE CALIFORNIA STATE FIRE MARSHAL/ DSA. THIS SUBMITTAL IS A COMPLETE FIRE ALARM SYSTEM SUBMITTAL FOR THIS SYSTEM EXTENSION.

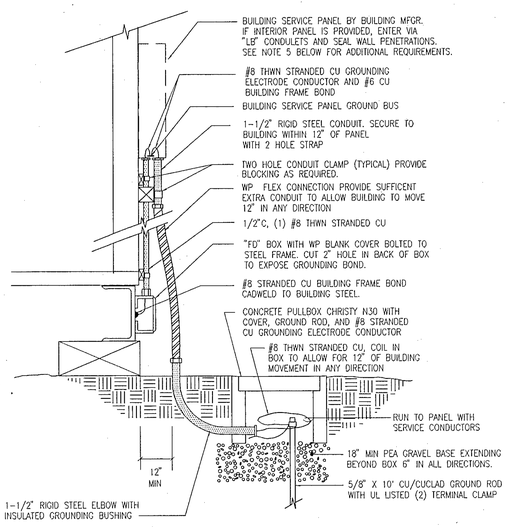
3 UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

4 A COMPLETE TEST OF THE ENTIRE EXISTING FIRE ALARM SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY PRIOR TO ANY NEW WORK BEING PERFORMED. ANY DEFICIENCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND ARCHITECT. ANY DEFICIENCIES SHALL BE CORRECTED BY THE OWNER PRIOR TO ANY WORK BEING PERFORMED.

5 FIRE ALARM SYSTEM WIRES SHALL BE SOLID COPPER WITH TYPE THWN INSULATION SIZED AS INDICATED ON THE PLANS.

6 COLOR CODE SYSTEM WIRES TO MATCH EXISTING. VERIFY EXISTING CONDITIONS PRIOR TO BID.

7 NEW FIRE ALARM AUDIBLE DEVICES SHALL HAVE THE SAME BASIC SOUND CHARACTERISTICS AS THE EXISTING DEVICES.



ELECTRICAL SERVICE AND GROUNDING CONNECTIONS

NO SCALE

NOTES:

1 IN ADDITION TO GROUNDING SHOWN ABOVE, INSTALL #8 CU TO BUILDING WATER PIPE WHERE PROVIDED.

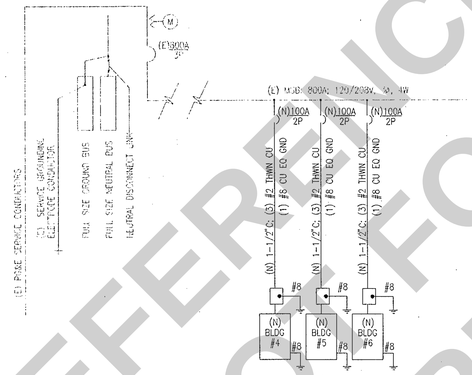
2 THE METAL FRAMES OF ALL BUILDING MODULES SHALL BE ELECTRICALLY BONDED TOGETHER WITH NOT LESS THAN #6 CU (MECHANICAL BOLTED CONNECTION ONLY WILL NOT PROVIDE AN ACCEPTABLE BOND).

3 IN THE PRESENCE OF THE PROJECT INSPECTOR, CHECK ELECTRODE SYSTEM RESISTANCE TO GROUND USING AN APPROVED "MEGGER" METHOD. IF THIS RESISTANCE EXCEEDS 25 OHMS, ADD ADDITIONAL GROUND RODS AS NEEDED (CEC 250-84).

4 THIS DETAIL APPLIES TO ALL BUILDINGS.

5 VERIFY THAT BUILDING SERVICE PANEL HAS A MAIN CIRCUIT BREAKER OR THAT THE BUILDING IS PROVIDED WITH A SERVICE SWITCH PER CEC. PROVIDE NEW FUSED SERVICE SWITCH OR CIRCUIT BREAKER IF NEEDED TO COMPLY WITH CEC SERVICE DISCONNECT REQUIREMENTS.

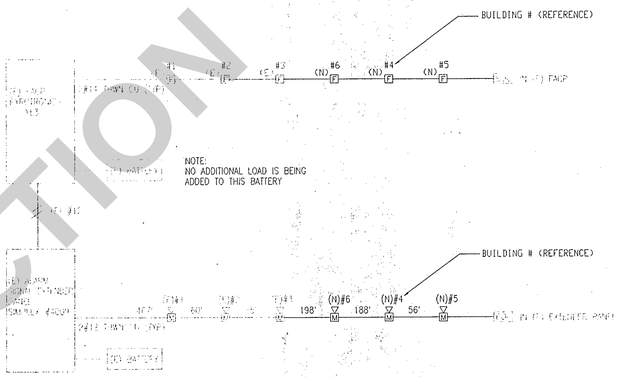
6 WHERE AN EQUIPMENT GROUNDING CONDUCTOR IS INSTALLED FROM THE CAMPUS DISTRIBUTION EQUIPMENT, BOND THAT CONDUCTOR TO THE NEW GROUND ROD IN THE (N) BUILDING POWER SYSTEM PULL BOX. DO NOT BOND THE BUILDING SERVICE PANEL NEUTRAL BUS TO THE PANEL GROUND BUS. VERIFY THAT THIS SYSTEM MAIN BONDING JUMPER IS NOT IN PLACE. REMOVE IT IF IT IS.



PARTIAL ONE LINE DIAGRAM

NO SCALE

PROVIDE ALL NEW CIRCUIT BREAKER MOUNTING HARDWARE AND BUS STRAPS AS REQ'D. (E) SPARE CIRCUIT BREAKERS MAY BE REUSED IF AVAILABLE AND IN GOOD CONDITION. VERIFY ALL PRIOR TO BID.



PARTIAL FIRE ALARM SYSTEM RISER DIAGRAM

NO SCALE

A COMPLETE FIRE ALARM REVIEW WAS NOT CONDUCTED BY DSA UNDER THIS CLASS SIZE REDUCTION PROGRAM. BATTERY AND VOLTAGE DROP CALCULATIONS, WIRE INFORMATION, WIRE/CONDUIT RUN, MOUNTING HEIGHTS. RISER DIAGRAM, ZONING, AND SPECIFIC FIRE ALARM DEVICE INFORMATION WERE NOT REVIEWED; AND CURRENT CALIFORNIA STATE FIRE MARSHAL LISTING OF DEVICES WAS NOT CONFIRMED.

CONSTRUCTION NOTES:

1 UNLESS NOTED OTHERWISE, ALL CONDUCTORS TO BE COPPER.

2 ALL WIRE OR CABLE SHALL BE INSTALLED IN CONDUIT.

3 CONDUITS INSTALLED UNDERGROUND SHALL BE SCHEDULE 40 PVC. RISER ELBOWS SHALL BE RIGID STEEL.

4 CONDUITS EXPOSED ON THE EXTERIOR OF BUILDINGS OR PENETRATING EXTERIOR WALLS SHALL BE RIGID STEEL. CONNECTORS SHALL BE WP WITH INSULATED THROATS.

5 FLEXIBLE CONDUIT SHALL BE USED ONLY AS INDICATED ON THE DRAWINGS. ALL FLEXIBLE CONDUIT SHALL BE WEATHER-PROOF STEEL WITH WEATHERPROOF CONNECTORS HAVING INSULATED THROATS.

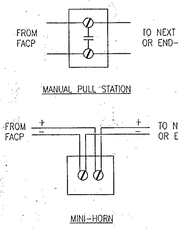
6 RACEWAY INSTALLED WITHIN THE BUILDINGS SHALL BE EMT. CONNECTORS AND COUPLINGS SHALL BE STEEL - NOT DIECAST - WITH INSULATED THROATS.

7 ALL RACEWAYS SECURED TO THE BUILDING SHALL BE SECURED TO BUILDING STRUCTURE OR SUITABLE BLOCKING. TWO HOLE CONDUIT CLAMPS SECURED WITH WOODSCREWS SHALL BE USED FOR THIS PURPOSE. USE OF NAILS OR NAILING STRAPS WILL NOT BE ACCEPTABLE.

8 ALL EXTERIOR BUILDING WALL PENETRATIONS SHALL BE SEALED PERMANENTLY WATERTIGHT IN A MANNER ACCEPTABLE TO THE ARCHITECT.

9 CIRCUIT TAPS MADE IN CONCRETE BOXES UNDERGROUND SHALL BE INSULATED WITH EPOXY SPLICE INSULATION KITS SUITABLE FOR USE IN UNDERGROUND APPLICATIONS.

10 DISTRICT WILL INSTALL COMMUNICATIONS SYSTEMS EQUIPMENT AND CABLES. PROVIDE ALL PULL BOXES, CABINETS, RACEWAYS, AND FITTINGS AS INDICATED AND AS NEEDED FOR THE FUTURE INSTALLATIONS.



DEVICE WIRING DETAILS

NO SCALE

STATE OF CALIFORNIA Department of General Services — DEC 11 1997 — Division of the State Architect Regulation Services

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OFFICE OF REGULATION SERVICES
02 69388
AC FLS SS
DATE 12-5-97

FIRE ALARM OPERATION MATRIX

RESULT OF OPERATION	PULL STATION	SMOKE DETECTOR	HEAT DETECTOR	SPRINKLER FLOW	POWER LOSS	SYSTEM CIRCUIT FAULT
ANNUNCIATE ALARM	X	X	X	X		
ANNUNCIATE TROUBLE					X	X
AUDIBLE ALARM	X	X	X	X		
VISUAL ALARM	X	X	X	X		

MERCED CITY ELEMENTARY SCHOOL DISTRICT
1997 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

DESIGN WEST
ARCHITECTS
PLANNERS
CONSULTANTS
ARCHITECTURAL DESIGN WEST INC.
LOGAN, UTAH
SALT LAKE CITY, UTAH
SACRAMENTO, CALIFORNIA
MT. VERNON, WASHINGTON

FRANKLIN

E-2.0

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MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

American Modular Systems

24 X 40 RELOCATABLE CLASSROOMS

TEST AND INSPECTION LIST

TESTING LABORATORY: _____ DATE: _____

NAME: _____

DISTRICT/OWNER: _____

DIVISION-FILE NO. _____ APPLICATION NO. _____

ARCHITECT: _____

STRUCTURAL ENGINEER: _____

STATE OF CALIFORNIA
DEPT. OF GENERAL SERVICES
DIVISION OF THE
STATE ARCHITECT

STRUCTURAL
TESTS
AND
INSPECTIONS

ORS 103-1 (R 11/85)

The following tests and inspections, as checked, will be required and detailed in

	CONCRETE	GUNITE	GROUT	MORTAR
COMPACTED FILL				
Fill material, compliance tests				
Compaction control, continuous				
Compaction tests only as ordered	X			
Bearing capacity of compacted fill				
REINFORCING STEEL				
Sample and test bar steel	X			
Sample and test mesh				
Inspect placing at job	X			
STRUCTURAL STEEL				
Sample and test as detailed below				
Shop fabrication inspection				
Field erection inspection				
Inspection of welds - Shop	X			
Inspection of welds - Field	X			
Inspection of shoring or bolting - Shop				
Inspection of shoring or bolting - Field				
Sample and test high strength bolts and washers				
BRICK AND BLOCK				
Sample and test				
Test only				
Inspection of shoring				
Core drill samples				
GLUED LAMINATED STRUCTURAL LUMBER				
Fabrication inspection				
Sample and test steel connectors				
Inspect fabrication of steel connectors				

Test of aggregates for mix design only	
Suitability tests of aggregates as detailed below	
Mix designs	
Continuous batch plant inspection	
Inverted shrinking	
Slump tests	
Compression tests	
Pick up samples at job	
Samples delivered to laboratory	
Deliver sample forms to Jobsite	
Sample and test aggregate	

SUITABILITY TESTS	CONCRETE MATERIALS	GUNITE	MORTAR	GROUT
Sodium sulphate				
Structural strength				
Los Angeles rattler				
Clay (Approximator method)				
Accelerity tests				
Volume change				

MIX DESIGNS: CONCRETE, GROUT, MORTAR OR GUNITE

MATERIAL	MAXIMUM SIZE	COMPRESSIVE STRENGTH, PSI, MINIMUM				
		28 DAY				
CONCRETE	1 1/2"	3000				

List of structural steel members to be tested:

C7X9.8
C12X20.7
6 3/4"X14 GA. JOISTS

TESTING MAY BE WAIVED IF STEEL HAS BEEN PROPERLY IDENTIFIED BY MFR'S MILL ANALYSIS AND TEST REPORTS PER TITLE 24, C.C.R., SECTION 2212.A.1

Other Tests and Inspections, required with special instructions:

GROUNDING TEST

Copies of Reports to:

DSA/ORS
AMERICAN MODULAR SYSTEMS, INC.
SCHOOL DISTRICT
ARCHITECT

By: _____
AUTHORIZED REPRESENTATIVE

INDEX

SHEET No.	DESCRIPTION
TS-1	TITLE & BUILDING DATA NOTES
N-1	GENERAL NOTES
1	FLOOR PLAN & NOTES
2	EXTERIOR ELEVATIONS
3	CEILING GRID, DETAILS & NOTES
S1A	FOUNDATION PLAN WOOD, DETAILS & NOTES
~~S1B~~	~~FOUNDATION PLAN CONCRETE, DETAILS & NOTES~~
~~S1C~~	~~FOUNDATION PLAN CONCRETE, DETAILS & NOTES~~
S2	FLOOR FRAMING PLAN & BUILDING SECTIONS
S3	ROOF FRAMING PLAN & DETAILS
S4	FRAMING ELEVATIONS & DETAILS
S5	FRAMING ELEVATIONS & DETAILS
~~S6R~~	~~RAMP PLAN, ELEVATION & DETAILS~~
M1	MECHANICAL PLAN, DETAILS & NOTES
E1	ELECTRICAL PLAN, DETAILS & NOTES

BUILDING DATA

CLASSROOMS

OCCUPANCY	E-2
TYPE OF CONSTRUCTION	V – NON-RATED
WIND LOAD (80 MPH EXPOSURE C)	21 LBS/SQ FT
FLOOR LIVE LOAD	50 LBS/SQ FT
ROOF LIVE LOAD	20 LBS/SQ FT (REDUCIBLE)
RAMP LIVE LOAD	100 LBS/SQ FT
BUILDING AREA	960 SQ FT

FIRE MARSHAL– CALIFORNIA BUILDING CODE (CBC)
TITLE 24, PART 2, CCR (1994 UBC W/ CAL. AMENDS)
TITLE 24, PART 3, CCR (1993 NEC W/ CAL. AMENDS)
TITLE 24, PART 4, CCR (1994 UMC W/ CAL. AMENDS)
TITLE 24, PART 5, CCR (1994 UPC W/ CAL. AMENDS)
TITLE 24, PART 9, CCR (1994 UFC W/ CAL. AMENDS)
TITLE 24, PART 12, CCR (1994 STD. W/ CAL. AMENDS)
TITLE 19

STRUCTURAL – 1995 CALIFORNIA BUILDING CODE (CBC)
TITLES 24 PARTS 1 AND 2

MODULES	MOMENT-RESISTANT
SYSTEM	(2) 12' X 40' MODULES
FOUNDATION	PRESSURE TREATED WOOD ~~OR CONCRETE~~
SEISMIC	ZONE 4

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OR C9388
AC – FLS – SS 402
DATE 12-5-97

FILE NO. 39-D
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. PC-284
AC 9388 FLS 4 SS
DATE 8/26/96
By: Shawn Dillon

JOB NO.
DATE: DEC. 6,1995
SHEET NUMBER
TS-1
BINDING ORDER 1

FRANKLIN 97 RELOC

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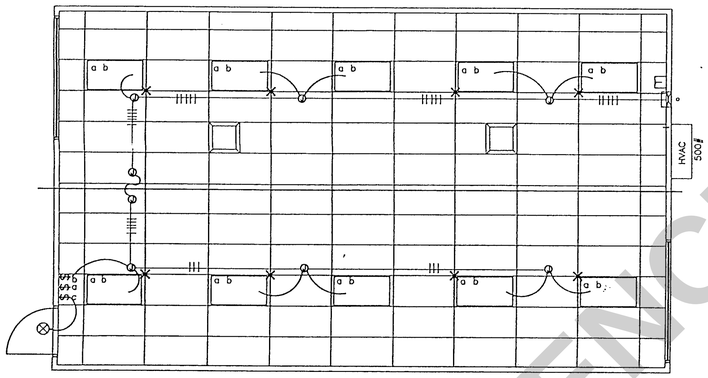
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



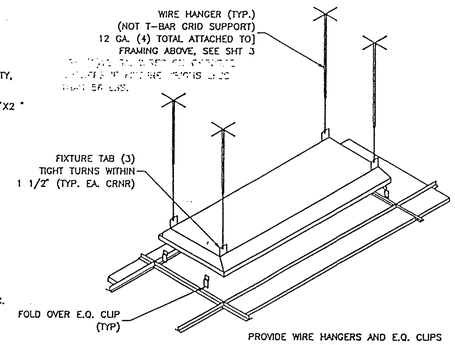
1 / E1 LIGHT FIXTURE PLAN
1/4" = 1'-0"

STANDARD ELECTRICAL SYMBOLS

- FLUORESCENT LIGHTING FIXTURE – SURFACE MOUNTED.
- FLUORESCENT LIGHTING FIXTURE – RESCESSED.
- FLUORESCENT LIGHTING FIXTURE – WALL MOUNTED (EXTERIOR)
- INCANDESCENT LIGHTING FIXTURE – WALL MOUNTED (INTERIOR).
- DUPLEX WALL CONVENIENCE OUTLETS +15" MIN.
- SINGLE POLE LIGHT SWITHCES +48", HUBBELL PREMIUM, BRYANT HEAVY DUTY, OR LEVITON SPECIFICATIONS GRADE. +45" MAX.
- LECTRICAL CROSSOVER J-BOXES ABOVE T-BAR CEILING #1-4"X1 "#22 4"X2 "
- WALL CLOCK OUTLET WITH POWER OUTLET +84".
- a SWITCH SUBSCRIPTS – a=DEVICE CONTROLLED.
- 15 AMP DUPLEX RECEPTACLE +15". HOSPITAL GRADE. MIN. HEIGHT
- JUNCTION BOX – SIZE AND TYPE AS REQUIRED.
- PANELBOARD – SEE SCHEDULE.
- TERMINAL CABINET – SIZE AND TYPE AS NOTED.
- CONDUIT CONCEALED IN CEILING OR WALL.
- CONDUIT CONCEALED BELOW FLOOR OR GRADE.
- HOMERUN TO RESPECTIVE PANEL TO TERMINAL.
- INDICATES 1#14 (GREEN) GROUND WIRE, OTHER SIZES AS INDICATED.

NOTE: BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION IS A 2#14 WIRE CIRCUIT, FOR MORE THAN 2#14 WIRES AS FOLLOWS, -III- 3#14, -IIII- 4#14 ETC. FOR OTHER SIZES AS FOLLOWS, -III-10 3#10, -III-6 4#6 ETC.

- (A) FIXTURE IDENTIFICATION – LETTER INDICATES TYPE.
- N.I.E.S. ABBREV. FOR NOT IN ELECTRICAL SECTION OF THESE PLANS AND SPEC'S.
- MT ABBREV. FOR EMPTY CONDUIT WITH POLY PULL CORD.
- FUSED DISCONNECT SWITCH SIZE AS REQUIRED. PROVIDE FUSES AS RECOMMENDED BY EQUIPMENT SUPPLIER.
- [W.E.F.] WALL MOUNTED EXHAUST FAN N.I.E.S. CONNECT AS REQUIRED.
- 50 AMP 250 VOLT RANGE RECEPTACLE.
- F FIRE ALARM STATION – OUTLET ONLY, 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48" CENTERLINE
- FIRE ALARM HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.
- FIRE ALARM VISUAL ALARM– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER BOTTOM +80". A.F.F. BUT NO GREATER THAN +96". IF CEILING MOUNTED PER NFPA72 TABLE 8-4.4.1(a).
- SPEAKER– OUTLET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +84"
- INTERCOM TELEPHONE– OUTLET ONLY– 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +48"
- M FIRE ALARM MINI HORN – OULET ONLY – 4" SQ. BOX W/ SINGLE DEVICE RING AND COVER +90" MIN. AND NOT LESS THAN 6" BELOW FINISHED CEILING.



SUPPORT DETAIL

PROVIDE WIRE HANGERS AND E.Q. CLIPS AS REQUIRED BY CALIFORNIA SEISMIC REGULATIONS CBC 2501.A.5 & IR. 47-4

FIRE ALARM SYSTEM

1. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE CALIFORNIA ELECTRICAL CODE, ARTICLE 760 &CA. FIRE CODE ART. 10.
2. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED PLANS AND SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COUPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE DIVISION OF THE STAT ARCHITRCT.
3. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY.

GENERAL NOTES

1. GROUNDING ELECTRODE CONDUCTOR SIZED PER CEC 250-94 & 95.
2. ALLOW FOR 12" MOVEMENT IN ANY DIRECTION IF PAD FOUNDATION IS USED.
3. PROVIDE BONDS TO BLDG. STEEL & PANEL (#8 CU)
4. PANEL TO LISTED FOR USE AS SERVICE EQUIPMENT.

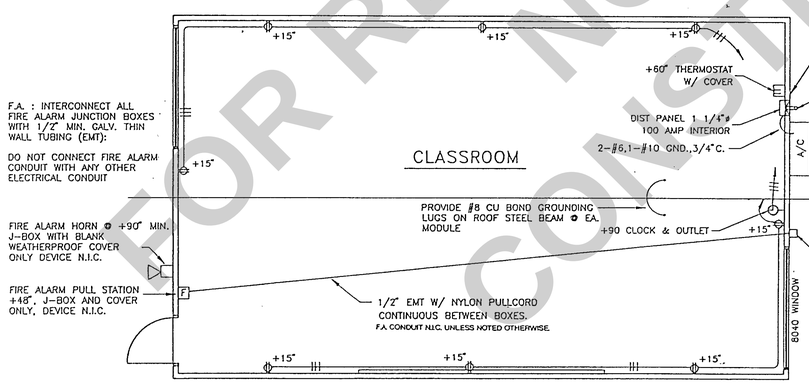
FIXTURE NOTES:

1. ALL FLUORESCENT LIGHT FIXTURES SHALL HAVE ENERGY SAVING LAMPS AND BALLASTS.
2. LUMINATES/BALLASTS SHALL BE CERTIFIED PER CALIFORNIA BUILDING CODE TITLE 24.
3. FLUORESCENT LIGHT FIXTURE TYPE "A" SHALL BE CONTROLLED TO PROVIDE TWO LEVELS OF LIGHTING. SWITCH (SA) SHALL CONTROL THE TWO OUTER LAMPS AND SWITCH (SB) SHALL CONTROL THE TWO INNER LAMPS.

SYMBOL	DESCRIPTION	WATTS	MANUFACTURER
	2'X4' FLOURESCENT DROP IN FIXTURE, ACRYLIC PRISMATIC LENS. ENERGY SAVING BALLAST. (4)35 WATT TUBES, WT. 27 LBS.	156 W	CRESCENT 24TF440DLA
	FLOURESCENT SURFACE MOUNTED EXTERIOR LIGHT WITH IMPACT RESISTANT ENCLOSURE. .125 THICK CLEAR PRISMATIC ONE PIECE LENS W/ NEOPRENE GASKET & "POSIGRIP" STAINLESS STEEL SCREWS.	(2) 7W TT 2700 K	KENALL 3714 OR LITHONIA 202 2/7PL LP
	INCANDESCENT WALL MOUNTED	150W	PROGRESS PJ011x30"

SEE TYPICAL CLASSROOM LAYOUT FOR LOCATIONS OF ALL DEVICES.
FIXTURE MOUNTING SHALL COMPLY WITH CALIFORNIA SEISMIC REGULATIONS.

ELECTRICAL
1. Electrical service drop and connections supplied by others.
2. Manufacturer to provide stub-out from back of electrical panel through the exterior wall for receiving either underground or overhead service & fitting for grounding cable.
3. Electrical panel board shall be recess mounted inside the building. Sized to accommodate all connected loads including spaces as shown. Overcurrent protective devices in the panel boards have adequate short circuit interrupting capacity. All buses including bus shall be copper or aluminum.
4. 2x4 Flouresent fixtures shall be steel frame, lens shall be hinged and locked in place by two locking devices. The lens diffusers shall be KHS, Inc. #KSH-12, Carolite, Inc. #C-12 or Plaskolite, Inc. #PL21A. Minimum lens thickness shall be .125 inch.
5. Flouresecent ballast shall be energy saver while maintaining full light output, class "P" equipped with thermal protectors, guaranteed against failure for (2) years and be replaced from inside the fixture.
6. Clock – 12" dial clock on clock outlet.
   A) Clock shall be General Electric model 2912 129V 60 cycle
   B) Clock outlet shall be Bryant #2828 or equal with seperable hanging clip & app'd recept.



F.A. : INTERCONNECT ALL FIRE ALARM JUNCTION BOXES WITH 1/2" MIN. GALV. THIN WALL TUBING (EMT):

DO NOT CONNECT FIRE ALARM CONDUIT WITH ANY OTHER ELECTRICAL CONDUIT

STUB OUT FITTING AT PANEL FOR GROUNDING BLDG. FRAME & PANEL W/ #8 WIRE SEE GROUNDING DETAIL PER I.R. 8-1

STUB OUT FITTING FOR UNDERGROUND OR OVERHEAD SERVICE BY OTHERS SEE ELECTRICAL NOTE #2.

WALL MOUNTED HEAT PUMP UNIT SEE MECHANICAL (240V,1PH.) W/ DISCONNECT BREAKER MOUNTED IN UNIT.

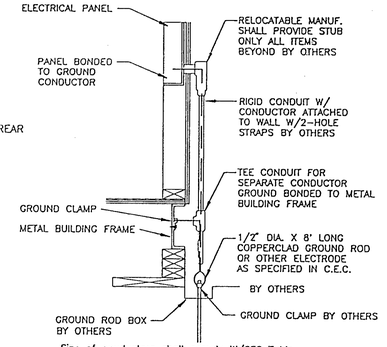
LOCATION FOR F/A 2 GANG J-BOX @ 18" ABOVE FIN. FLR.

2 / E1 ELECTRICAL PLAN
1/4" = 1'-0"

The H.V.A.C. unit feeder circuit – panel circuit breaker, feeder wire, unit disconnect and fuses (where used) – is to be coordinated with the name plate data at the time ofmanufacture. H.V.A.C. units having KVA ratings larger than that indicated on this panel schedule will not be allowed to be installed on this building. If 60 degrees C. wire is to be used in this installation, calculations demonstrating ampacity be provided on the drawing.

FIRE ALARM
Junction boxes – Galvanized sheet metal, square or rectangular with blank covers. Locate one box at rear of building near main electrical panel at +18– above finish floor for future connection.
Covers – Install gasketed, metal, waterproof, finish covers at exterior locations. Install finish covers at interior locations.

If testing results determine fire alarm audibility does not meet 15db over ambient noise levels, additional fire alarm signaling devices may be required by the enforcing anency



Size of conductors shall comply W/CEC Table

Bond separate conductors from ground rod to electrical panel & metal building from. In addition to the detail shown above, bond the electrical ground to metal water pipe embedded @ least 10' into the soil if available.
Electrical bond modules together W/#8 CU @ modline. By manufacturer. Check resistance to ground. If resistance exceeds 25 OHMS, install additional ground rods as required. Grounding detail per I-R 8-1.

A / E1 BUILDING GROUND DETAIL
N.T.S.

VOLTS: 120/240 SINGLE PHASE					PANEL: A				FEED: EXTERIOR LB
MAIN: 100 AMP MAIN BKR.					LOCATION: INTERIOR				MOUNTING: FLUSH
LOAD	WATTS A	WATTS B	BRK. AMP	CTR	A	B	CTR	BRK. AMP	WATTS A	WATTS B	LOAD
LIGHTS, FLUORESCENT	960		15 1	1			2	2 50	4476		A/C HVAC UNIT
LIGHTS, FLUORESCENT		960	15 1	3			4	2 50		4476	
EXTERIOR LIGHT & CLOCK	100		15 1	5			6				SPACE
DUPLEX RECEPT.		720	15 1	7			8				
DUPLEX RECEPT.	720		15 1	9			10				
SPACE				11			12				
				13			14				
				15			16				
PHASE WATTAGE	1880	1680		17			18		4476	4476	PHASE WATTAGE
TOTAL WATTS "A" LEG: 6556			TOTAL WATTS A+B=2743						TOTAL WATTS "B" LEG 6156		
TOTAL WATTS: 15455		65 AMPS	120/240V		SINGLE PHASE					100AMP BUS.	

FEEDERS: TO BE RUN BY THE DISTRICT EITHER UNDERGROUND OR OVERHEAD, SEE SITE ELEC. PLAN.

3 / E1 ELECTRICAL DISTRIBUTION PLAN
1/4" = 1'-0"

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STATE OF CALIFORNIA Department of General Services
DEC 1 1 199
Division of the State Architect Regulation Services Unit

FILE NO.
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DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. PC-264
AC FLS SS
DATE 11/16/95

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

FLOOR PLAN & NOTES

DATE: 12-7-95
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No.

SHEET No. E-1

FRANKLIN 97 RELOC

MESD Bid# 2024-5 08/02/2025
Addendum No. 2

MERCED CITY ELEMENTARY SCHOOL DISTRICT

FRANKLIN ELEMENTARY
1997 RELOCATABLES

SYMBOLS

DESCRIPTION	SYMBOL
BUILDING SECTION	1/A1
WALL SECTION	1/A1
ELEVATION DETAIL	2
SECTION DETAIL	3/A2.1
FINISH ELEVATION	PLAN +90'-6" ELEVATION +TO FLOOR 100'-0"
ELEVATIONS	INTERIOR 32/A2.2 EXTERIOR 2/A2.1
DETAIL	2 detail SCALE A1.2 A5.1 — CROSS REFERENCE OF SHEETS IS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. APPLICATION OF DETAILS IS NOT NECESSARILY LIMITED TO THE SHEETS REFERENCED.
ACCESSORY	☑
WINDOW TYPES	A
WALL TYPES	2B
FRAME TYPES	E
DOOR NUMBER	123
GRAPHICS	G-21
KEYNOTES	29
REVISIONS	1 AD 2 FO 3 CO — AD=ADDENDUM FO=FIELD ORDER CO=CHANGE ORDER

GENERAL NOTES

MATERIAL	MATERIAL
EARTH	INSULATION
ASPHALT PAVING	RIGID INSULATION
COMPACTED GRANULAR FILL	GYPSUM BOARD
CONCRETE	ACOUSTIC TILE
CONCRETE MASONRY UNITS	GLU-LAMINATE BEAM
BRICK	PLASTER & METAL LATH
STEEL	GLASS
CONTINUOUS WOOD	TILE
WOOD BLOCKING	FINISH WOOD
PLYWOOD	ALUMINUM
PARTICLE BOARD	WOOD STUD WALL

ABBREVIATIONS

ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
AC	ACOUSTIC	MANUF	MANUFACTURER
ABS	ACRYLONITRILE-BUTADIENE-STYRENE	MB	MARKER BOARD
ALT	ALTERNATE	MO	MASONRY OPENING
ALUM	ALUMINUM	MAX	MAXIMUM
AB	ANCHOR BOLT	MTL	METAL
L	ANGLE	MIN	MINIMUM
BSMT	BASEMENT	MISC	MISCELLANEOUS
BRG	BEARING	(N)	NEW
BM	BENCH MARK	NIC	NOT IN CONTRACT
B.O.	BOTTOM OF	NTS	NOT TO SCALE
BLDG	BUILDING	O/C	ON CENTER
CLG	CEILING	OPNG	OPENING
℄	CENTER LINE	OPP	OPPOSITE
CT	CERAMIC TILE	OD	OUTSIDE DIAMETER
CB	CHALKBOARD	PART BD	PARTICLE BOARD
C	CHANNEL	PARTN	PARTITION
CO	CLEAN OUT	d	PENNY
COL	COLUMN	PL	PLATE
CONC	CONCRETE	PLYWD	PLYWOOD
CMU	CONCRETE MASONRY UNIT	PVC	POLYVINYL CHLORIDE
CONT	CONTINUOUS	QT	QUARRY TILE
DIM	DIMENSION	RAD	RADIUS
DS	DOWNSPOUT	REF	REFRIGERATOR
DWG	DRAWING	REINF	REINFORCE
EA	EACH	REV	REVISION
ELECT	ELECTRICAL	RD	ROOF DRAIN
EWC	ELECTRIC WATER COOLER	RO	ROUGH OPENING
ELEV	ELEVATION	ø	ROUND
EQ	EQUAL	SCHED	SCHEDULE
EXIST (E)	EXISTING	SIM	SIMILAR
EXP	EXPANSION	SPEC	SPECIFICATION
EXT	EXTERIOR	SQ	SQUARE
FIN	FINISH	SS	STAINLESS STEEL
FEC	FIRE EXTINGUISHER CABINET	STD	STANDARD
FLR	FLOOR	STOR	STORAGE
FD	FLOOR DRAIN	STRUCT	STRUCTURAL
FTG	FOOTING	SUSP	SUSPENDED
FDN	FOUNDATION	TB	TACKBOARD
GALV	GALVANIZED	TEL	TELEPHONE
GI	GALVANIZED IRON	TV	TELEVISION
GA	GAUGE	TS	TUBE STEEL
GYP BD	GYPSUM BOARD	THRES	THRESHOLD
HDWD	HARDWOOD	TOIL	TOILET
HT	HEIGHT	T.O	TOP OF
HM	HOLLOW METAL	T & B	TOP AND BOTTOM
HORIZ	HORIZONTAL	TYP	TYPICAL
ID	INSIDE DIAMETER	VERT	VERTICAL
INSUL	INSULATION	U.N.O.	UNLESS NOTED OTHERWISE
INT	INTERIOR	WC	WATER CLOSET
JT	JOINT	WWF	WELDED WIRE FABRIC
KD	KNOCK DOWN	WF	WIDE FLANGE
KO	KNOCK OUT	WDO	WINDOW
LLV	LONG LEG VERTICAL	W/	WITH
		W/O	WITHOUT
		WD	WOOD

GENERAL NOTES

1. REMOVE EXISTING LANDSCAPE IRRIGATION SYSTEM FOR INSTALLATION OF NEW RELOCATABLES.
2. RELOCATE AND PROVIDE NEW IRRIGATION SYSTEMS AS REQUIRED TO MAINTAIN EXISTING LAWN AREAS
3. CONTRACTOR TO REMOVE ALL VEGITATION AND 4 INCHES OF TOP SOIL AT LOCATION OF ENGINEERED FILL
4. CONTRACTOR TO REPAIR ALL ITEMS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION.
5. OFFHAUL VEGITATION AND EXCESS TOP SOIL
6. CONTRACTOR TO VERIFY (E) ELEVATIONS AND NOTIFY ARCHITECT (7) SEVEN DAYS PRIOR TO START OF CONSTRUCTION AT EACH SITE.
7. RESRADE AND SEED DAMAGED LAWN AREAS
8. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING PAD. DO NOT INTERUPT EXISTING NATURAL SITE DRAINAGE.
9. CONTRACTOR TO REMOVE AND REPLACE EXISTING CHAIN LINK FENCE AS REQUIRED FOR ACCESS OF RELOCATABLE CLASSROOMS TO NEW BUILDING PAD LOCATIONS.

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APPLICABLE CODES

APPLICABLE CODES:

1) 1995 BUILDING STANDARD ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2) 1995 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
3) 1995 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
4) 1995 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R.
5) 1995 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
6) 1995 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
7) 1995 CALIFORNIA REFERENCED STANDARD CODE, PART 12, TITLE 24 C.C.R.
8) 1990 TITLE 19, C.C.R. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

CONSULTANTS

ARCHITECT

ARCHITECTURAL DESIGN WEST, INC.

2100 19th STREET
SACRAMENTO, CALIFORNIA 95818
(916) 446-2466

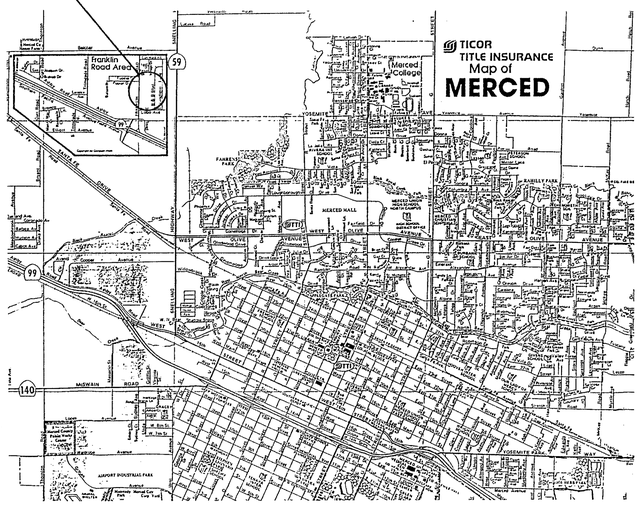
ELETRICAL

CHASE ELECTRICAL ENGINEERING

5710 GARFIELD AVE, SUITE "C"
SACRAMENTO, CALIFORNIA 95841
(916) 344-4878

VICINITY MAP

FRANKLIN ELEMENTARY SCHOOL
2738 FRANKLIN ROAD
MERCED, CA 95340



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Department of General Services
DEC 11 1997
Division of the State Architect
Regulation Services-Sacto

new (10-96) C&R Program
24-35
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WILLIAM C. CHASE
NO. C 17250
REN. 2-28-99
STATE OF CALIFORNIA

FRANKLIN ELEMENTARY SCHOOL
1997 RELOCATABLES
MERCED CITY ELEMENTARY SCHOOL DISTRICT
MERCED COUNTY

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Addendum No. 2

GENERAL NOTES AND SPECIFICATIONS

SECTION 1A GENERAL REQUIREMENTS

1. GENERAL
A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENT APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH TRADE SECTION.
B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS WITH THE WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
C. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF TITLES 19 AND 24 CALIFORNIA CODE OF REGULATIONS. NO CHANGES SHALL BE MADE FROM D.S.A. APPROVED DRAWINGS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF D.S.A. AND THE ARCHITECT.
2. SCOPE OF WORK
A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDINGS AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.
B. ALL REQUIREMENTS OF TITLES 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:
1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.
2. INSPECTION IN-PLANT DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION WELDING, MECHANICAL, AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICTS.
3. ON-SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY INSTALLATION OR CONNECTIONS BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.
4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT.
5. ADDENDUMS SHALL BE SIGNED BY THE ARCHITECT & APPROVED BY D.S.A.
6. CHANGE ORDERS SHALL BE SIGNED BY THE OWNER & ARCHITECT & APPROVED BY D.S.A.
7. THE TESTING LAB SHALL BE IN THE EMPLOY OF THE OWNER.
8. ALL CONTRACTORS SHALL VERIFY ALL WORK CONDITIONS, DIMENSIONS AND DETAILS AND REPORT ANY OR ALL OMISSIONS AND DISCREPANCIES TO THE DESIGNER/OWNER IMMEDIATELY BEFORE COMMENCING WORK.
9. EACH CONTRACTOR TO BE RESPONSIBLE TO SEE THAT THEIR WORK CONFORMS TO ALL GOVERNMENTAL CODES WHETHER OR NOT SO STATED ON THE DRAWINGS.
10. ALL MATERIALS AND WORKMANSHIP TO CONFORM TO THE LATEST REQUIREMENTS OF THE GOVERNING BUILDING CODES IN EFFECT AT TIME OF D.S.A. APPLICATION.
11. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED AND ERECTED PER MANUFACTURER'S DIRECTIONS AND INSTRUCTIONS.
12. SHOP DRAWINGS MAY BE REQUIRED. IF SO, THEY WILL BE ACCURATELY DRAWN TO A LARGE ENOUGH SCALE TO SHOW ALL PERTINENT FEATURES OF THE ITEM AND ITS CONNECTION TO RELATED WORK.
13. THE MANUFACTURER OF BUILDING IS TO PLACE A PERMANENT METAL IDENTIFICATION LABEL ON EACH MODULE, MECHANICALLY FASTENED TO THE FRAME AND VISABLE FROM THE EXTERIOR OF THE END OF THE MODULE. SEE "GENERAL DESIGN REQUIREMENTS", THIS PAGE.
FOR PROJECTS MANUFACTURED OFF-SITE, THE PLANT INSPECTOR IS TO INDICATE THE MANUFACTURER'S NAME AND SERIAL NUMBER OF EACH MODULE ON THE VERIFIED REPORT AND D.S.A. APP. NUMBER.
14. ALL TESTS AND INSPECTIONS REQUIRED BY DSA SHALL BE COMPLIED WITH. ALL TESTS REQ. BY FIRE AND LIFE SAFETY REGULATIONS SHALL BE BY A NATIONALLY RECOGNIZED TESTING LABORATORY.

FOUNDATION

1. ASSUMED ALLOWABLE SOIL BEARING: 1000 PSF.
2. FOOTINGS SHALL BE LOCATED ON UNDISTURBED FIRM NATURAL SOIL, APPROVED COMPACTED FILL OR ON AN APPROVED PAVED SURFACE.

NOTE: THE FOUNDATION SYSTEM PRESENTED HEREIN COMPLIES WITH INTERPRETATION OF REGULATIONS, IR 23-8, ISSUED BY DIVISION OF THE STATE ARCHITECT FOR TEMPORARY BUILDINGS. THIS FOUNDATION SYSTEM IS NON-CONVENTIONAL AND THE STRUCTURAL ENGINEER TAKES NO RESPONSIBILITY FOR ITS CONSTRUCTION OR LONGEVITY.

3. WORK NOT INCLUDED
A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.
B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
C. FIRE ALARM SYSTEM, PROGRAM BELL, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV, TELEPHONE SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS, OR MODIFIED BY CHANGE ORDER.
4. WHEELS AND HITCH
SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. ACCESSIBILITY OF SITE
THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF BUILDINGS. REMOVAL OF TREES SHRUBS, FENCING, SPRINKLERS ETC. NECESSARY FOR THE MOVE-IN OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

"RIM/ FINISH NAILING

DESCRIPTION	SET	SIZE	LENGTH	FINISH
SIDING		.131	2 1/4"	GALV
CASING, SILL & INT. CORNER TRIM	X	16g	1 1/2"	N
2X FASCIA		.131	3"	GALV
SOFFIT		.131	2 1/4"	GALV
1X EXT. TRIM, WINDOWS, EXT. DOORS, EXT. TRIM		.113	2"	GALV

SECTION 6 WORKMANSHIP

A. GENERAL – ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC STANDARD SPECIFICATIONS, TITLE 24 OF CALIFORNIA CODE OF REGULATIONS AND THE AMERICAN IRON AND STEEL INSTITUTE SPECIFICATIONS FOR DESIGN OF STEEL STRUCTURAL MEMBERS. A COPY OF TITLE 24 SHALL BE KEPT AT THE JOBSITE AT ALL TIMES.
B. WELDING – ALL WELDING DONE BY SHIELDED ELECTRIC-ARC OR FLUX CORED-ARC PROCESS COMPLYING WITH REQUIREMENTS OF THE "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY. WELDING DONE BY OPERATORS QUALIFIED BY TESTS ACCEPTABLE TO THE OFFICE OF THE STATE ARCHITECT. WELDING INSPECTION PER TITLE 24, PART 2, CCR, SECTION 2212.A.5 WELDING ELECTRODE SHALL BE E70XX.
1. STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A-36 & A-570 GR.36.
2. PIPE COLUMNS SHALL CONFORM TO A.S.T.M. A-53 WITH SULFUR CONTENT NOT EXCEEDING 0.05%.
3. STEEL TUBING SHALL CONFORM TO A.S.T.M. A-500 GRADE B OR A.S.T.M. A579 GRADE 50 FOR GAUGE TUBING-TYP. U.N.O.
4. STRUCTURAL WELDS ARE DESIGNED FOR FULL ALLOWABLE STRESS UNLESS OTHERWISE NOTED.
C. ERECTION – STRUCTURAL STEEL ERECTED TRUE, STRAIGHT, PLUMB AND TO ITS DESIGNATED LOCATIONS. FIELD CONNECTIONS BOLTED OR WELDED AS INDICATED ON THE DRAWINGS.
D. NAILS, BOLTS, SCREWS AND NUTS ETC.– FOR EXTERIOR WORK SHALL BE CADMIUM PLATED OR GALVANIZED.
1. BOLTS FOR STRUCTURAL STEEL JOINTS SHALL CONFORM TO A.S.T.M. A-307 UNLESS OTHERWISE NOTED. ALL HOLES FOR MACHINE AND CARRIAGE BOLTS THROUGH STEEL TO BE DRILLED, OR TORCH PILOT HOLE AND REAM MIN. 1/16" TO CORRECT SIZE. NELSON STUDS (WELDED TO STEEL) MAY BE SUBSTITUTED FOR BOLTS SAME LENGTH AND DIAMETER EXCEPT AT SIMPSON MTT28B.
E. HANDRAILS – FABRICATED, AS DETAILED, WELDS GROUND SMOOTH.
F. SHOP PAINT
1. EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
2. NON-EXPOSED STEEL COATED WITH ONE SHOP COAT OF RED OXIDE PRIMER.
3. ALL SURFACES THOROUGHLY CLEANED BY EFFECTIVE MEANS PRIOR TO APPLICATION OF SHOP COATS.
G. TESTS
1. PROVIDE MILL CERTIFICATES OR TEST ALL STEEL MEMBERS PER T-24 PART 2, CCR SECTION 2212.A.1.

SECTION 6A CARPENTRY

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY
2. MATERIALS
LUMBER GRADE MARKED IN ACCORDANCE WITH "STANDARD GRADING AND DRESSING RULE NO. 16" OF WEST COAST LUMBER INSPECTION BUREAU, OR "GRADING RULES FOR LUMBER, 3RD EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR W.C.L.I.B. PLYWOOD GRADE MARKED IN ACCORDANCE WITH PRODUCT STANDARD PS 1-83 FOR SOFTWOOD PLYWOOD, OF AMERICAN PLYWOOD ASSOCIATION, COMPLYING WITH UBC STANDARD 23-2. EACH SHEET SHALL BEAR THE STAMP OF APA, PITTSBURGH TESTING, OR TECO.
A. JOISTS, RAFTERS, PLATES, STUDS – DOUGLAS FIR S4S #2 U.N.O. NOTE: MSR 1650 E1.5 MAY BE SUBSTITUTED FOR #2 GRADE IF IT MEETS THE STRUCTURAL REQUIREMENTS FOR FLOOR AND ROOF MEMBERS.
B. HEADERS, POSTS AND TIMBERS – DOUGLAS FIR S4S #1
C. BLOCKING – DOUG FIR #3 OR HEM FIR #3 OR STD. & BET.
D. SILLS AND LUMBER & SHIM PLATES IN CONTACT WITH CONCRETE, MASONRY OR EARTH, DOUG FIR #2 PRESSURE TREATED IN ACCORDANCE WITH CBC 1811.7. EACH PIECE SHALL BEAR AWPB STAMP, LP-22 GROUND CONTACT, D.F. #2 ABOVE GROUND.
E. PLYWOOD ROOF DECKING – APA C-D GRADE, GROUP 1 OR 2, EXPOSURE 1 WITH EXTERIOR GLUE.
F. PLYWOOD FLOOR DECKING – APA STURD-I-FLOOR 2-4-1 OR UNI-FLOOR BY PITTSBURGH TESTING LAB, 1-1/8" NOM. TONGUE AND GROOVED FLOOR SHEATHING, WITH EXTERIOR GLUE.
G. EXTERIOR SIDING/SHEATHING – APA TYPE 303, EXTERIOR.
H. MOISTURE BARRIER – KRAFT WATERPROOF BUILDING PAPER, OR 15 LB. FELT, UBC STANDARD 17-1 FOR KRAFT, 32-1 FOR FELT.
J. STUDS – DOUG FIR #2.
K. FASTENERS – ALL NAILS SHALL BE CORROSION RESISTANT PER UBC STANDARD 25-17. ELECTROGALVANIZED COMMON NAILS U.N.O.
L. BUILDING TRIM – 2X REWAWN SELECT D.F., H.F., OR CEDAR
M. DOOR/WINDOW TRIM – 1X4 REWAWN D.F., H.F., OR CEDAR.
N. FRAMING CONNECTORS SHALL BE FROM SIMPSON CATALOG LATEST ED.
O. FIRE BLOCKS SHALL CONFORM TO CBC SECTION 708.
P. ALL NAILS SHALL BE COMMON NAILS UNLESS OTHERWISE NOTED.
Q. FOUNDATION LUMBER: ALL CUT ENDS AND HOLES IN PRESSURE TREATED LUMBER SHALL BE TREATED WITH "CUPRINOL".
J. WORKMANSHIP
A. FRAMING – SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBELED LEVEL PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
B. NAILING – IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, TABLE 23-II-Q
C. EXTERIOR WALLS – FACTORY FABRICATED. CAULKING PROVIDED BETWEEN PERIMETER OF WALL AND STRUCTURAL MEMBERS PROVIDING WEATHER-PROOF AND WATER-TIGHT SEAL. NECESSARY CLOSERS, SEALS, AND FLASHINGS PLACED AT TOP AND BASE SUPPORT OF PANELS AND AROUND OPENINGS.
D. MACHINE APPLIED NAILING:
USE OF MACHINE NAILING IS SUBJECT TO A SATISFACTORY JOBSITE DEMONSTRATION FOR EACH PROJECT AND THE APPROVAL BY THE PROJECT ARCHITECT OR STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUED SATISFACTORY PERFORMANCE.
MACHINE NAILING WILL NOT BE APPROVED IN 5/16" PLYWOOD. IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
E. MOISTURE BARRIER – APPLIED TO STUDS WEATHER-BOARD FASHION, HORIZONTAL
JOINTS LAPPED MIN 6" INCLUDING BUILDING CORNERS.
SHEATHING APPLIED OVER MOISTURE BARRIER.
F. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING UNLESS TRANSPARENT TYPE.

SECTION 7B SHEET METAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL INDICATED SHEET METAL.
2. MATERIALS
A. SHEET METAL – STEEL SHEETS HOT DIP GALVANIZED WITH 1.25 OZ. PER SQUARE FOOT ZINC COATING CONFORMING TO ASTM A526. MINIMUM 26 GA. UNLESS OTHERWISE NOTED ON THE DRAWINGS.
B. SOLDER – OF STAND, GRADE "A" OF EQUAL PARTS AND BRAND LEAD AND TIN ASTM B32.
C. FLUX – ZINC SATURATED MURIATIC ACID.
D. GUTTERS: 26 GA. G-90 GALV. STEEL.
DOWNSPOUTS: 2"X3" CORVOLUTED 30 GA. G-90 GALV. STEEL.
GUTTER ENDCAPS: 26 GA. G-90 GALV. STEEL.
GUTTER CLIPS: 18 GA. G-90 GALV. STEEL
3. WORKMANSHIP
SHEET METAL ACCURATELY FORMED TO DIMENSIONS AND SHAPES DETAILED WITH TRUE STRAIGHT LINES, CORNERS AND ANGLES. FLASHING INSTALLED IN LONGEST LENGTHS POSSIBLE. EXTERIOR WORK FORMED, FABRICATED AND INSTALLED SO THAT IT ADEQUATELY PROVIDES FOR EXPANSION AND CONTRACTION IN THE COMPLETED WORK AND FINISHES WATER AND WEATHER TIGHT. ALUMINUM SHALL BE SEPARATED FROM FERROUS METAL BY POLYETHYLENE TAPE OR FLOOD COAT OF ASPHALTIC PAINT.

SECTION 7C METAL ROOFING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL METAL ROOFING. TEST RESULTS SHOWING THE ROOFING SYSTEM WILL WITHSTAND THE UPLIFT OF A 80 MPH WIND SHALL BE SUBMITTED WITH THE PLANS AND SPECIFICATIONS.
2. MATERIALS
A. ROOFING – 1-1/8 INCH STANDING SEAM 26-GAUGE G-90 GALV. INTERLOCKING (UNPENETRATED) SHEET STL PANELS (G90).
B. BASE SHEET – 30 POUND ASPHALT COATED.
C. EDGE FLASHING – 26 GAUGE GALVANIZED STEEL.
3. WORKMANSHIP
BASE SHEET: APPLY TO ROOF DECK SHINGLE FASHION WITH 2-INCH OVERLAP SEAMS. STAPLE TO DECK AT 12" ON CENTER AROUND PERIMETER AND AT 12" ON CENTER THROUGH OVERLAP SEAMS. INSTALL METAL ROOF ACCORDING TO MANUFACTURERS REQUIREMENTS. SEE SHEET 2 FOR MANUFACTURERS NOTES.

SECTION 7J SEALANT

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND SERVICES TO SEAL BUILDINGS.
2. MATERIALS
VULKEM SEALANT, POLYURETHANE, MANUFACTURED BY MAMECO INTERNATIONAL FOR ROOFS. "GEOCEL" SILICONIZED CAULK, GE, DUROMIL, EAGLESEAL OR DAP FOR ALL OTHER APPLICATIONS, OR EQUAL.
3. WORKMANSHIP
SEALANT APPLIED TO DRY CLEAN SURFACES, WHEREVER INDICATED ON DETAILS AND AS NEEDED TO MAKE BUILDING WATERTIGHT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

SECTION 8B HOLLOW METAL DOORS AND FRAMES

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL HOLLOW METAL DOORS AND FRAMES.
2. MATERIALS
A. DOORS – TYPE 1, FULL FLUSH, MANUFACTURED BY AMWELD MANUFACTURING COMPANY, 18 GA. 1 3/4" THICK PER CS242 MIN. REINFORCE FOR HARDWARE – BOTH FACES FOR CLOSER, SOUND DEADEN INTERIOR.
B. FRAMES – 16 GA COLD ROLLED, 2" FACES, CS242 MIN. 3 ANCHORS PER JAMB + ADJUSTABLE FLOOR ANCHOR EACH JAMB REINFORCE FOR HARDWARE. PROVIDE STRIKE BOX, PROVIDE SOUND DEADENING: 1/8" UNDERCOATING OR INSULATING FILL.
3. WORKMANSHIP
ALL WORK FABRICATED IN SHOP TO REQUIRED PROFILES BY FORMING AND WELDING, WITH ARISES AND EDGES STRAIGHT, SHARDP FIT FABRICATED ACCURATELY WITH SQUARE CORNERS, HAIRLINE JOINTS AND SURFACES FREE FROM WARP, WAVE, BUCKLE OR OTHER DEFECTS AFTER FABRICATION. DOORS AND FRAMES CLEANED THOUROUGHLY, ALL WELDS GROUND SMOOTH AND GIVEN PRIME COAT.

SECTION 8D FINISH HARDWARE

1. SCOPE OF WORK
CONTRACTOR SHALL SUPPLY AND INSTALL FINISH HARDWARE AS SPECIFIED AND AS REQUIRED.
2. SCHEDULE FOR EXTERIOR DOORS
SEE NOTE ON FLOOR PLAN.
3. SPECIAL REQUIREMENTS
A. EXIT DOORS SHALL BE OPENABLE FROM THE INTERIOR WITHOUT KEY OR SPECIAL KNOWLEDGE OR EFFORT.
B. CLOSER SHALL BE SET FOR A MAXIMUM OPENING PRESSURE OF 8.5 LBS. PRESSURE.

SECTION 9E PAINTING

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PAINT BUILDING. ALL EXPOSED SURFACES OF BUILDING AND RAMPS SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES, THRESHOLDS, AND ROOFING.
2. MATERIALS
A. FOR EXTERIOR WOOD:

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	42-91	1240	Y24W20	289-N
FINISH	QD-60-XX	1240-XXX	B54WZ102	GE2-NXX

B. FOR INTERIOR TRIM

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
FINISH	W450-XX	1650-XXX	A26W11	40XX

C. FOR METAL

REF. BRAND	DUNN EDWARDS	KELLY MOORE	SHERWIN WILLIAMS	SINCLAIR
PRIMER	43-4	1710	B50NZ6	15N
FINISH	10-XX	1700-XXX	B54WZ102	GE2-NXX

3. WORKMANSHIP
ALL EXPOSED SURFACES SHALL BE PAINTED EXCEPT ALUMINUM WINDOW FRAMES AND THRESHOLDS. MATERIAL SHALL BE OF THE GRADE SPECIFIED OR EQUAL.
A. EXTERIOR – WOOD SIDING, TRIM AND SKIRTING FLAT OR SEMI-GLOSS LATEX – APPLY ONE COAT OF PRIME AND AT LEAST ONE FINISH COAT. PRIME COAT SHALL BE BRUSHED ON OR SPRAYED AND BACK BRUSHED INTO ALL GROOVES IN THE SIDING. IF NECESSARY, IN THE OPINION OF THE INSPECTOR, AN EXTRA COAT SHALL BE APPLIED TO ALL GROOVES SO THAT THE FINISH COAT WILL HAVE A UNIFORM APPEARANCE. ALLOW PRIME COAT TO DRY ACCORDING TO MANUFACTURER'S RECOMMENDATION. PRIME AND FINISH COATS SHALL BE COMPATIBLE AND MANUFACTURED BY THE SAME COMPANY.
B. INTERIOR TRIM – TRIM NOT PRECOATED SHALL BE PAINTED WITH TWO COATS OF SEMI-GLOSS LATEX OVER PRIMER.
C. INTERIOR HARDWOOD CABINETS – TWO COATS LOW LUSTER POLYURETHANE FINISH. APPLY FIRST COAT THINNED WITH ONE QUART MINERAL SPIRITS PER GALLON. APPLY SECOND COAT AS RECOMMENDED BY MANUFACTURER.
D. METAL – METAL SURFACES SHALL BE PAINTED WITH TWO COATS OF ALKYD FINISH COAT OVER ZINC CHROMATE OR EQUAL RUST INHIBITING PRIMER.
E. RAMP – ONE COAT OF FERROX NON-SKID SURFACING AS MANUFACTURED BY AMERICAN ABRASIVE METALS OR EQUAL.
ALL PAINTS OF THE TYPE INDICATED SHALL BE LISTED ON THE STATE OF CALIFORNIA QUALIFIED PRODUCTS LIST FOR MAINTENANCE PAINTS 8010-91C-98A DATED JULY 1989. OR EQUAL.
F. SUBMIT ONE SET COLOR SAMPLES TO ARCHITECT FOR EACH PRODUCT TO ASSIST IN SELECTION.

SECTION 13F SITE ASSEMBLY

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE. THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT . UNLESS SPECIFICALLY CALLED FOR IN THE CONTRACT, STEPS, RAMPS, OR HANDRAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. ASSEMBLY OF ELEMENTS
A. IN A LOCATION ON THE SITE AS DETERMINED BY THE SCHOOL DISTRICT, (APPROVED BY DSA) THE CONTRACTOR SHALL PLACE WOOD LEVELING STRIPS OR OTHER SUITABLE SUPPORTS AS DETAILED ON THE DRAWINGS.
B. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING EACH OTHER.
C. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTION ON THE DRAWINGS. FLASHINGS, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER DETAILS ON THE DRAWINGS.

NOTE:

WALL FINISH MATERIAL
FLAME SPREAD MAX = 200
SMOKE DENSITY MAX = 450
BUILDING INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
PIPE INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 450
DUCT INSULATION
FLAME SPREAD MAX = 25
SMOKE DENSITY MAX = 50

SECTION 15A AIR CONDITIONING

1. SCOPE OF WORK (SEE SHEET M-1 FOR HVAC SPEC. AND NOTES)
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL THE AIR CONDITIONING SYSTEM AS SHOWN ON THE DRAWINGS AND SPECIFICATIONS, INCLUDING A/C UNITS AND ACCESSORIES, REMOTE THERMOSTAT, GRILLS AND POWER WIRING COMPLETE TO LOAD CENTER. CONTRACTOR SHALL INSTRUCT OWNER'S OPERATORS ON OPERATION AND MAINTENANCE OF A/C SYSTEM.
2. EQUIPMENT
SEE NOTE ON FLOOR PLAN FOR SIZE AND TYPE.
3. WORKMANSHIP
UNITS SHALL BE INSTALLED COMPLETE AND OPERATING WITH ALL ACCESSORIES IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

SECTION 16A ELECTRICAL

1. SCOPE OF WORK
CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES FOR ELECTRICAL INSTALLATION COMPLETE WITH ASSOCIATED EQUIPMENT AND FIXTURES, IN OPERATING CONDITION READY FOR USE. THE WORK INCLUDES: LIGHT AND POWER SYSTEMS, LIGHTING FIXTURES COMPLETE WITH LAMPS, CONNECTIONS AND DISCONNECTS TO A/C EQUIPMENT.
2. MATERIALS
ALL NEW COMPLYING WITH REQUIREMENTS OF CALIFORNIA ELECTRIC CODE AND NATIONAL FIRE PROTECTION ASSOCIATION
A. ELECTRIC METALLIC TUBING – COUPLING AND FLEX CONDUIT GALVANIZED OR SHERARDIZED. EXTERIOR FLEX- GALV. STEEL W/ FACTORY APPLIED P.V.C. JACKET.
B. PANELBOARDS – FLUSH MOUNTED.
C. CONDUCTORS – COPPER, INSULATED FOR 600 VOLTS, TYPE THHN FOR SIZES #12 TO #6, TYPE THW FOR LARGER SIZES. MINIMUM SIZE– #14.
D. RECEPTACLES – AS NOTED. +15" A.F.F. MIN.
E. CLOCK RECEPTACLE – AS NOTED.
F. SWITCHES – AS NOTED. +48" A.F.F. MAX.
G. LIGHTING FIXTURES – AS NOTED ON THE DRAWINGS.
J. WORKMANSHIP
MATERIALS AND EQUIPMENT INSTALLED IN A SECURE, NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH CODE REQUIREMENTS. PANELBOARD CARDS FILLED OUT. CONDUIT AND CABLE INSTALLED IN WALL AND CEILING SPACES. WORK PIERCING WATERPROOFED AREAS FLASHED AND SEALED TO A WATERTIGHT CONDITION.
BUILDING CONDUIT/WIRING FROM FACE OF BLDG TO SITE TERMINATION BY SITE CONTRACTOR (N.I.C.). (FLEXIBLE CONDUIT 5-BEND SEALTITE)

INSPECTION

INSPECTION OF PREFABRICATED BUILDINGS IS DIVIDED INTO TWO SEPARATE FUNCTIONS.

1. IN-PLANT INSPECTION.
2. ON-SITE INSPECTION.

THE CONTRACTOR SHALL ALLOW UP TO SEVEN (7) DAYS FROM THE DATE OF PLAN APPROVAL TO OBTAIN AN IN PLANT INSPECTOR APPROVED BY D.S.A.

IN-PLANT INSPECTION AND MATERIAL TESTING SHALL BE ACCOMPLISHED UNDER THE SUPERVISION OF THE DISTRICT ARCHITECT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ARCHITECT, DSA, AND THE DESIGNATED INSPECTOR/INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK. THE MANUFACTURER SHALL PROVIDE THE INSPECTOR WITH FULL ACCESS TO ALL PLANT OPERATIONS INVOLVING WORK UNDER THIS CONTRACT AND SHALL ADVISE THE INSPECTOR IN ADVANCE OF THE TIME AND PLACE WHEN OPERATIONS THAT THE INSPECTOR WANTS TO OBSERVE TAKE PLACE. BEFORE THE BUILDING(S) ARE REMOVED FROM THE PLANT FOR DELIVERY TO THE STORAGE FACILITY OR FROM THE STORAGE FACILITY TO THE SITE THE INSPECTOR SHALL DETERMINE THAT THEY ARE ACCEPTABLE AND ISSUE A WRITTEN RELEASE WHICH SHALL BE IN THE FORM OF A VERIFIED REPORT (FORM SS5-6). A COPY OF THE INSPECTOR'S VERIFIED REPORT SHALL ACCOMPANY EACH BUILDING TO STORAGE OR TO THE SITE. THE INSPECTOR SHALL PUT ONE COPY IN EACH BUILDING.

COORDINATION OF WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY ARRANGEMENTS WITH THE SCHOOL DISTRICT AUTHORIZED REPRESENTATIVE FOR ACCESS TO GROUNDS AND REMOVAL OF EQUIPMENT, IF NECESSARY.
THIS CONTACT SHALL BE MADE AT LEAST 48 HOURS PRIOR TO DELIVERY OF AY MODULE.
ON-SITE INSPECTION SHALL BE DONE BY THE SITE INSPECTOR. ALL WORK WHICH THE MANUFACTURER OR HIS SUBCONTRACTORS PERFORM AT THE SITE SHALL BE SUBJECT TO THE INSPECTION OF THE SITE INSPECTOR. THE MANUFACTURER WILL FURNISH THE SITE INSPECTOR WITH SUCH INFORMATION AS MAY BE NECESSARY TO KEEP HIM FULLY INFORMED AS TO PROGRESS OF WORK AND DATES WHEN SITE WORK WILL OCCUR. THE CONTRACTOR SHALL NOTIFY THE INSPECTION AGENCY AT LEAST 48 HOURS PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL VERIFY THAT THE DISTRICT'S SITE IS READY TO RECEIVE THE CLASSROOM(S) PRIOR TO THE DELIVERY OF ANY CLASSROOM(S) BY VISITING EACH SITE (THIS MAY BE DONE BY THE INSPECTOR).

MATERIALS AND WORKMANSHIP

ALL CONTRACTORS SHALL CERTIFY THAT NO ASBESTOS-CONTAINING BUILDING MATERIALS WHICH EXCEED STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS HAVE BEEN USED IN THE CONSTRUCTION OF RELOCATABLE FACILITIES.

ALL WORKMEN SHALL BE SKILLED AND QUALIFIED FOR THE WORK WHICH THEY PERFORM. ALL MATERIALS USED, UNLESS OTHERWISE SPECIFIED, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED. THE CONTRACTOR SHALL, IF REQUESTED, FURNISH EVIDENCE SATISFACTORY TO THE ARCHITECT THAT SUCH IS THE CASE.

CONTRACTOR'S CREWS ASSIGNED TO ANY WORK PERFORMED UNDER THIS CONTRACT SHALL INCLUDE ONE COMPETENT AND FULLY EXPERIENCED PERSON DESIGNATED AS THE RESPONSIBLE PERSON IN CHARGE. SUCH PERSON MUST BE IDENTIFIED BY NAME TO THE DISTRICT IN ADVANCE OF ANY WORK. UPON REQUEST, THE CONTRACTOR SHALL PROMPTLY FURNISH TO THE DISTRICT INFORMATION RELATING TO THIS EMPLOYEE'S EXPERIENCE.

WORKMANSHIP SHALL BE EQUAL OR BETTER IN QUALITY TO THAT REQUIRED BY THE CONSTRUCTION TRADES FOR A FINISHED PRODUCT. A QUALITY CONTROL SUPERVISOR, DESIGNATED BY THE MANUFACTURER, SHALL REVIEW ALL WORK IN PROGRESS AND SHALL REVIEW THE FINISHED BUILDING PRIOR TO FINAL INSPECTION TO ASSURE IT IS COMPLETE AND CORRECT. THE QUALITY CONTROL SUPERVISOR SHALL HAVE THE AUTHORITY TO HAVE MATERIALS REPLACED AND WORK REDONE IN ORDER TO CORRECT FAULTY MATERIALS OR WORKMANSHIP.

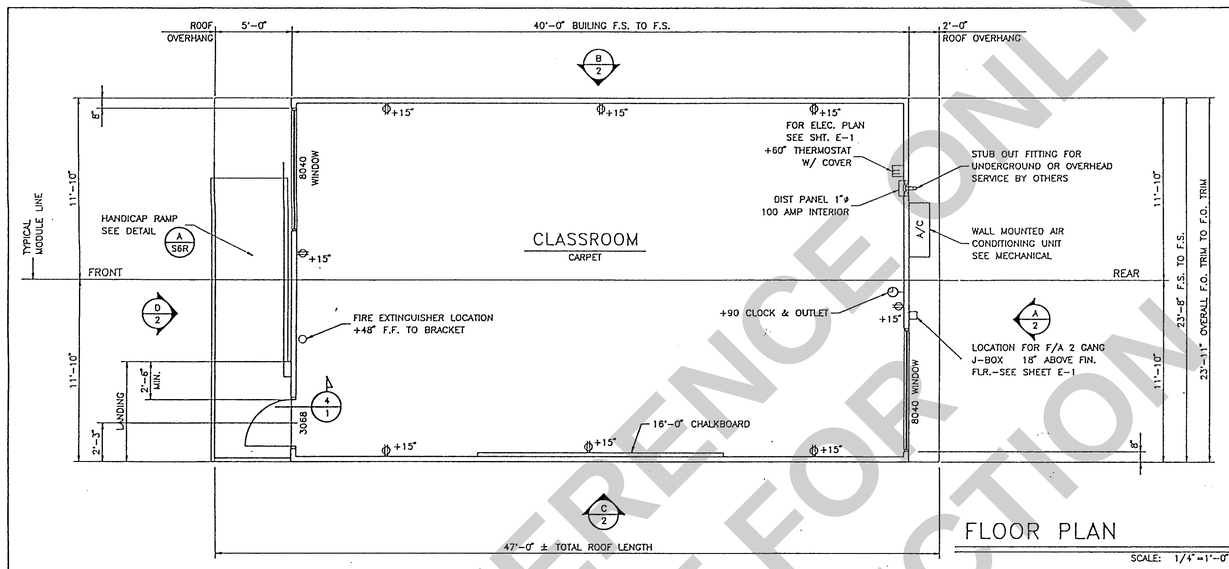
GENERAL DESIGN REQUIREMENTS:

TWO (2) APPROXIMATELY 12' X 40' MODULES DESIGNED SO THAT TWO MODULES MAY BE JOINED TOGETHER TO FORM A COMPLETE STRUCTURE TO MAINTAIN A POSITIVE ALIGNMENT OF FLOORS, WALLS, AND ROOF AND TO PERMIT SIMPLE NON-DESTRUCTIVE DETACHMENT FOR FUTURE RELOCATION.

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH AN IMPRINTED (STAMPED NOT ENGRAVED) METAL IDENTIFICATION TAG 3"X1 -1/2" MINIMUM SIZE WITH THE FOLLOWING INFORMATION:

1. MANUFACTURER'S BUILDING NUMBER.
2. DESIG

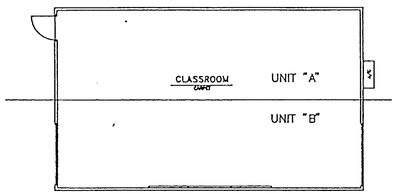
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



FLOOR PLAN

SCALE: 1/4"=1'-0"

TYPICAL EXTERIOR WINDOW INSTALLATION NOTE:
SEE MANUF. SPECS FOR INSTALLATION
USE .131" X 1 1/2" 18" O.C. VERTICALS
USE .131" X 1 1/2" 24" O.C. HORIZONTALS



OPTIONAL FLOOR PLAN

SCALE: 1/8"=1'-0"

NOTES
INTERIOR

1. Floor: Carpets – Units shall be carpeted as indicated on floor plan with direct glue down type per State of California Specification 7720-XXX-01, Group 1, Type A, Class 28. Color will be selected by Architect after award of bid. The carpet density shall be 1600 minimum. Pile yarn shall be branded nylon. No cross seams shall be allowed.

2. Base: Resilient Cove Base – Best quality, moulded rubber, 1/8" thick, 4" high, moulded top set Cove. Provide preformed base for square external corners and preformed end stops where base does not abut. Solid color as manufactured by "Johnsonite Co." , Flexco, or equal. Apply cove to complete perimeter of classroom.

3. Interior walls shall be vinyl covered tackboard applied in one continuous length from floor to ceiling. The tackboard shall be industrial insulation board manufactured specifically as a substitute for vinyl covered wall panels. The board shall be asphalt free, shall have an ironed-on coating and shall have a minimum density of 18 lbs. per ft. The vinyl coating shall be made of virgin vinyl colendered base color, weighing a minimum of 8 oz. per square yard. The coating backing shall be sheeting or non-woven fabric. The vinyl coating shall be mechanically laminated, with the long edges wrapped, to the tackboard. Tackboard shall be applied over 1/2" sheetrock or 3/8" plywood sheathing. The vinyl wall covered panel shall have a Class 'A' flame spread rating. The panel shall be approved for classroom use by The California State Fire Marshal. Reference brand: Vinyl covered tackboard as manufactured by Chatfield-Clarke or comparable. Care shall be taken in mounting the tackboard so that the texture of all panels will have the same orientation and color match.

4. Ceiling: Suspend T-Bar System, see sheet 3 for details etc. Materials and installation per CCR 2501.A.5 and IR 147-4 inclusive as applicable to classrooms.

DOORS & WINDOWS

Exterior Doors: Metal Doors – 3'0X6'8 hollow metal door construction of 1 sheet of 16 ga. steel assembled per CS242 min and reinforced with 20 ga. min. continuous vertical steel stiffeners spaced @ 8" O.C. Fill spaces between stiffeners with mineral wool or other insulation. (Reinforce both faces for closure) provide flush top on doors. Hardware reinforcement shall be 10 ga. min for hinges, door frame shall be 16 ga. pressed steel frame ASTM A366 & CS242. Hardware reinforcement shall be 10 ga. plate. Frames shall be designed with integral stop and trim. Provide (3) anchors per jamb plus adjustable floor anchor.

Exterior Windows: Provide anodized aluminum frame 5/8" minimum dual pane window units, as shown on floor plans. The 5/8" dimension is the minimum thickness for the dual glazed window panel consisting of two lights of glass and the air space. Glazing material shall be:

Exterior Lite – 3/16" minimum tempered glass or laminated as – 1 glass of solar gray glare reducing type with a light transmission factor of 43% maximum.

Interior Lite – 1/8" minimum clear tempered.

Minimum air space shalle be 1/4".

Space – Bent or sealed corner aluminum with desiccant fill

Sealer – Butyl primary seal and polysulfide of silicone secondary seal.

Certification – All glazing to be certified in accordance with ASTM E-773, E-774.

Header height shall be the same as the door. All operable sash shall have aluminum screens. Windows shall not be mounted to the exterior plywood surface. All windows shall meet the AAMA CS101-88 voluntary spec. for aluminum prime windows and sliding glass (ANSI), commercial grade.

HARDWARE

1. Exterior Door
   A) Hinges: Hager 4-1/2X4-1/2 butts, BB1278 US26D,1-1/2 pair each door with set screw in barrel and ball bearing design, or approved equal.
   B) Lockset: Classroom lever handle lockset, cylindrical type, Schlage D70PD (Rhodes) or Corbin or Yale or equivalent. US26D finish.
   C) Closer: Horton 8500DA or 8500BF series, LCN 1460 Del series or equal.
   D) Weatherstripping: All exterior doors shall be weatherstripped with Pemko 2390, Ultra WS007, at door jambs and head or equal.
   E) Threshold: Threshold shall be Pemko 271 AV 5" aluminum with Pemko 216 AV Ultra TH042 door bottom.
   F) Doorstop: Quality #44, or equal.

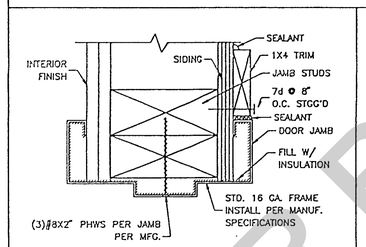
FIRE EXTINGUISHER

1. Each portable classroom shall be equipped with pressure type fire extinguishers with 2A40BC UL rating. To be mounted on the interior wall of the building near the doorway(s) at a height of 4 feet to mounting bracket. Fire extinguishers shall be totally charged and have a dial indicating the state of charge.

CHALKBOARD SPECIFICATIONS

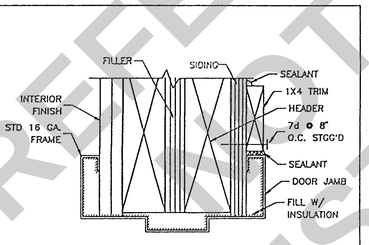
Chalkboards shall have green facing sheet suitable to accept white or yellow chalk and felt erasers.

Markerboards shall be 5 mil thick melamine facing sheet suitable to accept dry erase felt markers. The facing sheet shall be laminated, using hot melt adhesive, to a medium density particleboard substrate with a minimum density of 45#/c. ft. The panel shall have a foil backing. The panels shall have extruded aluminum molding and chalktrail with a minimum of 2-15/16" projection from the face of the panel. A full length map rail shall be provided with cork insert and end stops. The map rail and chalktrail are to incorporate a channel to wrap around the panel. Three (3) map hooks, with clips, personal shall be provided. One flag holder, 1/2" size, shall be provided for each classroom. Each classroom shall be 2 ea. 4x8 panels installed side by side to make a 4x16 panel, centered on one of the long walls. Referenced brand: Chatfield-Clarke Co. series 500. Attach directly to studs and blocking W/#8x1" oval head wood screw @ 32" o.c. horizontally and @ 24" o.c. vertically.



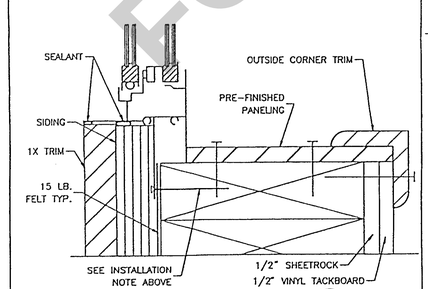
TYPICAL EXTERIOR DOOR JAMB — NO SCALE — 5/1

NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.

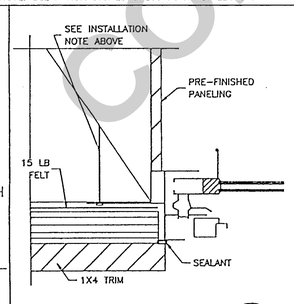


TYPICAL EXTERIOR DOOR HEAD — NO SCALE — 6/1

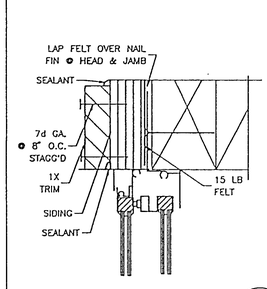
NOTE: SEE MANUFACTURES SPECS FOR INSTALLATION.



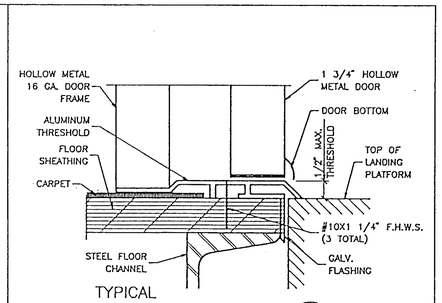
TYPICAL WINDOW SILL DETAIL — NO SCALE — 1/1



TYPICAL WINDOW JAMB — NO SCALE — 2/1



TYPICAL WINDOW HEAD — NO SCALE — 3/1



TYPICAL EXTERIOR DOOR SILL — NO SCALE — 4/1

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

STATE OF CALIFORNIA
Department of General Services
DEC 1 1997
Division of the State Architect
Regulation Services

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
X 35388
AC
DATE 12-5-97

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. PC-264
AC FLS
DATE 5/26/98

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

FLOOR PLAN & NOTES

DATE:	12-7-95
SCALE:	NONE
DRAWN BY:	R.S.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

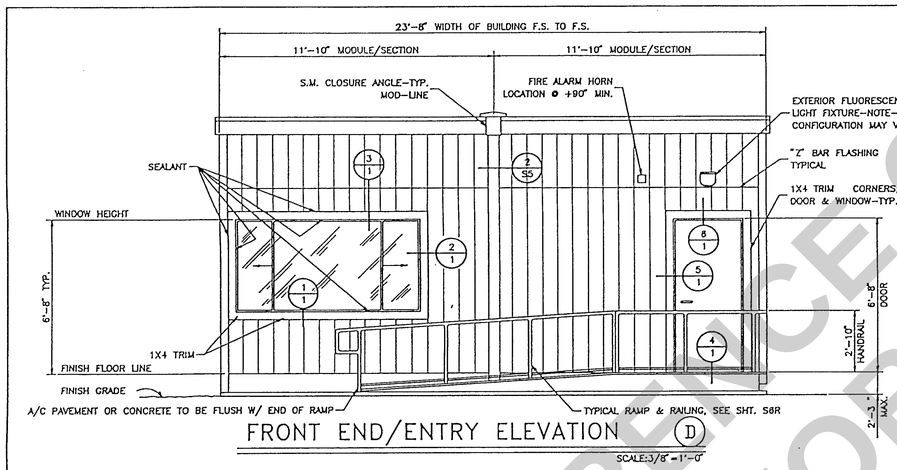
REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			5		
2			6		
3			7		
4			8		

PROJECT No.

SHEET No. 1

FRANKLIN 97 RELOC



FRONT END/ENTRY ELEVATION (D)

SCALE:3/8"=1'-0"

PANEL INSTALLATION

START AT THE STARTER FLASHING END OF THE BUILDING. APPLY VULKEM SEALANT ALONG THE ENTIRE STANDING SEAM LIP. AT THE EAVE END, APPLY SEALANT APPROXIMATELY 3" ALONG THE SIDE OF THE STANDING SEAM AND ALONG THE END FLASHING LIP. THE SEALANT SHOULD BE APPLIED AS THE ROOF PANELS ARE POSITIONED TO AVOID CURING.

HOOK THE PANEL OVER THE STARTER FLASHING AND LAY IT INTO POSITION, LEAVING 3" OVERHANG AT THE EAVE FOR WRAPPING AROUND THE END FLASHING LIP. INSTALL I-CLIPS 1'-6" O.C. KEEPING THEM TIGHT AGAINST THE STANDING SEAM, SECURE WITH THREE 1/2" CROWN X 1 1/4" LENGTH 19G GA. STAPLES PER CLIP. THE CLIPS NEED ONLY BE HAND CRIMPED AROUND SEAM AT THIS POINT. FORM THE PANEL OVER THE STARTER FLASHING LIP AND AT THE END FLASHING. MECHANICALLY CRIMP THE PANEL OVER THE FLASHING LIP AND ALONG THE ENTIRE STANDING SEAM.

NOTE: KEEP ALL FASTENERS ON THE CLIPS AND FLASHINGS COMPLETELY. DO NOT USE EXCESSIVE PRESSURE OR OVERPOWER THE STAPLES AS TO TEAR OR CAUSE DAMAGE TO THE CLIP.

CONTINUE THE PANELING PROCEDURE, APPLYING SEALANT TO THE FLASHING LIP. APPLY SEALANT AT THE STANDING SEAMS APPROXIMATELY 3" ALONG THE SIDE TOP LIP OF EACH FOLLOWING PANEL. HOOK THE NEXT PANEL OVER THE INNER LOCK AND LAY THE PANEL INTO POSITION. KEEP THE STANDING SEAMS BUTTED TIGHTLY TOGETHER TO MAINTAIN SQUARE, JUSTIFIED PANELS AND MINIMIZE ANY POSSIBILITY OF GAPS OCCURRING AT THE EAVES OR STRETCHING OF THE ROOF COVER.

MECHANICALLY CRIMP EACH STANDING SEAM ENTIRELY. MECHANICALLY CRIMP PANELS OVER ALL FLASHING CLIPS. CUT THE FINAL PANEL TO THE DESIRED WIDTH, ALLOWING 3" FOR FLASHING OVERLAP AND WRAP-AROUND. USE SEALANT ALONG THE FLASHING LIP AND LAY THE PANEL INTO PLACE. FORM THE PANEL OVER THE FLASHING LIP AND MECHANICALLY CRIMP.

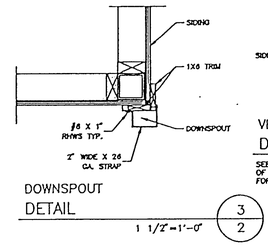
FLASHING (ROOF)

INSTALL THE STARTER FLASHING ON THE END OF THE BUILDING THAT IS OPPOSITE FROM THE DIRECTION OF PREVAILING WIND (OR LEADING EDGE). SECURE USING 1/2" CROWN X 1 1/2" LENGTH 18GA. STAPLES 6" O.C. TO THE ROOF DECK. THE FLASHING SHOULD EXTEND APPROXIMATELY 3" PAST THE OUTSIDE WALL. WRAP THE 3" AROUND THE CORNER, FORMING IT TIGHTLY AGAINST THE FASCIA. OVERLAP THE FLASHING SECTIONS 3", SOME MODIFICATION OF THE FLASHING LIP WILL BE REQUIRED TO ALLOW THE OVERLAP.

INSTALL THE END FLASHING ALONG THE OPPOSITE END OF THE BUILDING (OR LEADING EDGE) WRAPPING THE CORNICE AROUND THE EDGE APPROXIMATELY 3". SECURE THE "LEADING EDGE" FLASHING ONLY ADDITIONAL #8 X 1 1/2" SMS 3" O.C. THROUGH THE DESCENDER INTO SIDING. INSTALL THE END FLASHING ALONG THE SIDES OF THE BUILDING. KEEP THE ENDS OF THE FLASHING FLUSH WITH THE EDGES OF THE BUILDING.

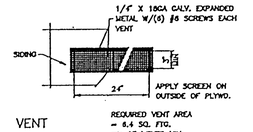
80 MPH WIND RATING

REQUIRES A MINIMUM OF 26 GA. STEEL ROOF PANELS WITH 26 GAGE TIE-DOWN CLIPS AT 18" O.C.,SECURED TO THE ROOF DECK WITH THREE 1/2" CROWN BY 1 1/2" LENGTH 18 GA. STAPLES PER CLIP.



DOWNSPOUT DETAIL 3/2

1 1/2"=1'-0"

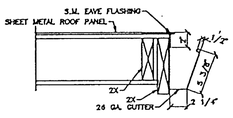


VENT DETAIL

REQUIRED VENT AREA = 8.4 SQ. FTG. => 13 VENTS MIN.

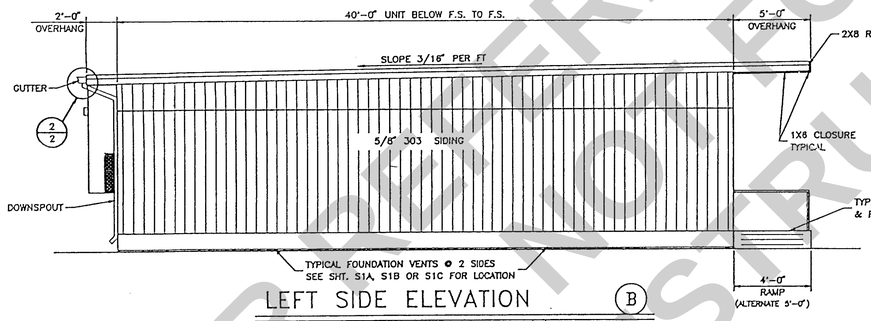
SEE SHT. S1A, S1B OR S1C FOR NUMBER OF VENTS AND LOCATIONS. THIS DETAIL IS FOR WOOD FOUNDATIONS ONLY.

NO SCALE



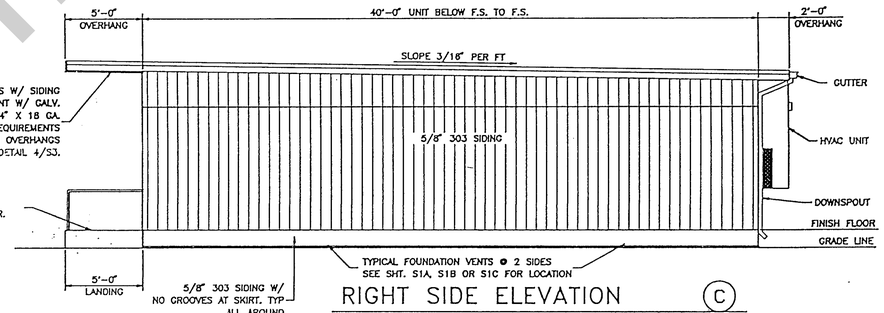
GUTTER: 26 GA., 0-90 GALV. STEEL, FASTENED W/ 18 GA. CLIPS 48" O.C. MAX.
DOWNSPOUT: 2"X3" 0-90 30 GA. CONVOLUTED GALV. STEEL.
DOWNSPOUT STRAPS: 26 GA. STEEL X 2" WIDE ATTACHED TO BLDG. MAX. 8'-00" O.C.

GUTTER AT OVERHANG DETAIL 2/2



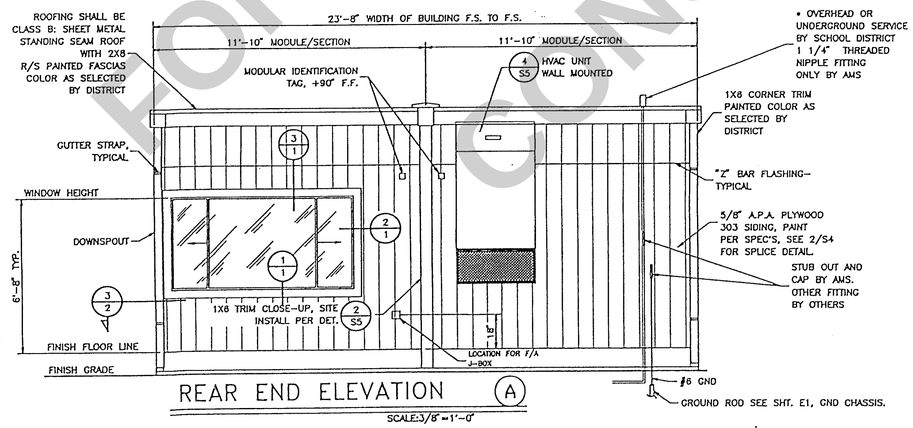
LEFT SIDE ELEVATION (B)

SCALE:1/4"=1'-0"



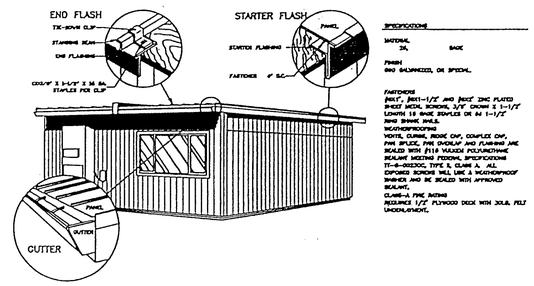
RIGHT SIDE ELEVATION (C)

SCALE:1/4"=1'-0"



REAR END ELEVATION (A)

SCALE:3/8"=1'-0"



SPECIFICATIONS

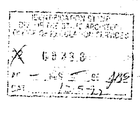
MATERIAL
26 GA. GAGE

FINISH
GALVANNEALED, OR SPECIFIED.

FASTENERS
RIVET, 3/16"-1/2" LONG RIVET ZINC PLATED STEEL SHEET METAL SCREWS, 3/4" CROWN X 1-1/2" LENGTH 18 GAGE STAPLES OR #4 X 1-1/2" LONG SHANK NAILS.

WEATHERPROOFING
VENTS, CURBS, ROOF CUT, COMPLEX CUT, PIPE SPLICE, PIPE OVERLAP AND FLASHING ARE SEALED WITH #110 VULKEN POLYURETHANE SEALANT MEETING FEDERAL SPECIFICATIONS TT-S-00230C, TYPE II, CLASS A. ALL EXPOSED SCREWS WILL LIKE A WEATHERPROOF WASHER AND BE SEALED WITH APPROVED SEALANT.

CLASS-A FIRE RATING
ASSURANCE 1/2" PLYWOOD DECK WITH 30LB. FELT UNDERLAYMENT.



FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. PC-264
AC 1/2 FLS 11 SS 97
DATE 8/26/96

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

EXTERIOR ELEVATIONS

DATE: 12-7-95
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			5		
2			6		
3			7		
4			8		

PROJECT No.

SHEET No. 2

FRANKLIN 97 RELOC

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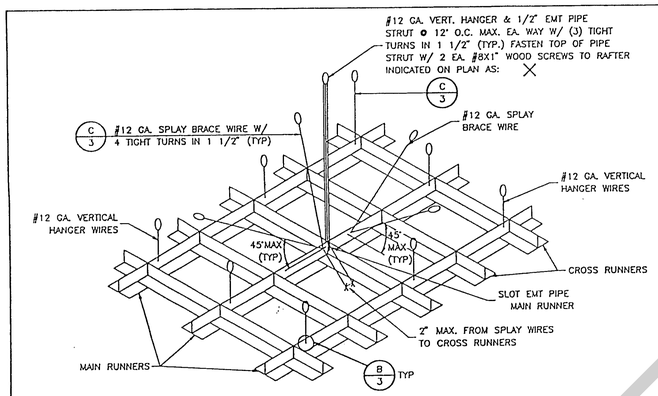
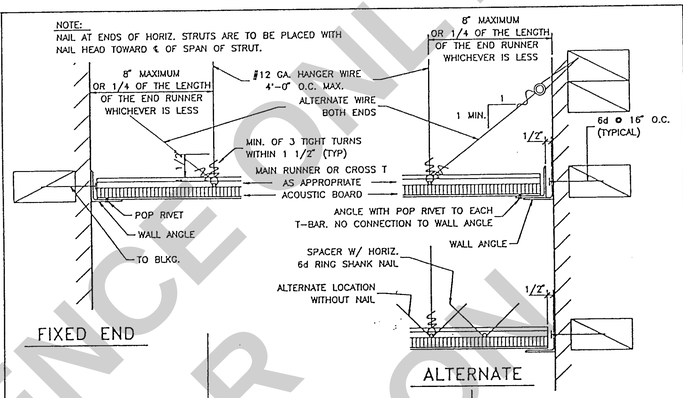
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

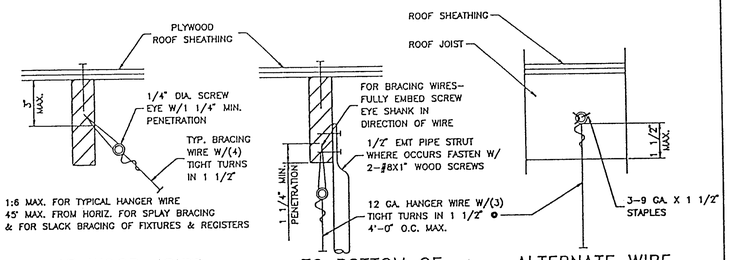


NOTE: SPLAYED BRACING WIRES SHALL BE SPACED NOT MORE THAN 12 FT. ON CENTER.

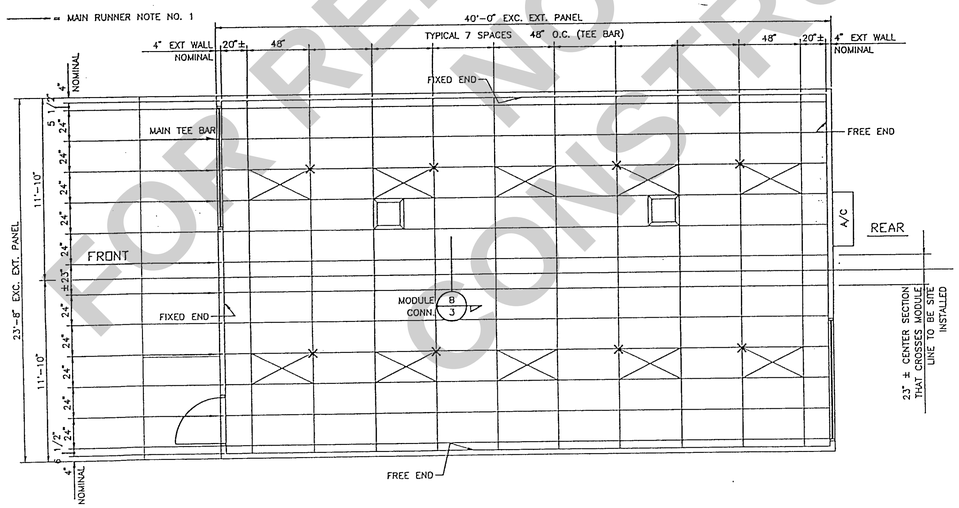
ATTACHMENT FOR CEILING GRID DETAIL — A/3 — NO SCALE



WIRE CONNECTIONS TO GRID DETAILS — B/3 — NO SCALE



CONNECTIONS TO WOOD JOISTS OR RAFTERS DETAIL — C/3 — NO SCALE



CEILING TEE BAR GRID LAYOUT WITH LIGHT FIXTURES

SCALE: 1/4" = 1'-0"

METAL SUSPENSION SYSTEMS FOR LAY IN PANEL CEILING

1. 12 GA. (MIN) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4'-0" x 4'-0 GRID SPACING, ALONG MAIN RUNNER. SPLICES WILL NOT BE PERMITTED IN ANY HANGER WIRES UNLESS SPECIFICALLY APPROVED BY DSA/ORS.
2. PROVIDE 12 GA HANGER WIRES WITHIN 8" OF THE ENDS OF ALL MAIN AND CROSS RUNNERS OR AT 1/4 OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS AT THE PERIMETER OF THE CEILING AREA.
3. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO MAINTAIN HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS OR DISCONTINUOUS AREA. HANGER WIRES THAT ARE MORE THAN 1 IN 6 OUT OF PLUMB ARE TO HAVE COUNTERBRACED WIRES.
4. CEILING GRID MEMBERS MAY BE ATTACHED TO NOT MORE THAN 2 ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 1/2 INCH FREE OF OTHER WALLS. RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM BE FREE AND A MINIMUM OF 1/2 INCH CLEAR OF WALL.
5. AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A 16 GA WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNERS MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNERS IS 12" OR LESS, THIS INTERLOCK IS NOT REQUIRED.
6. PROVIDE SETS OF 4-#12 GA. SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
   (A) FOR SCHOOL BUILDINGS, PLACE SETS OF SPLAY WIRES AT A SPACING NOT MORE THAN 12 FEET BY 12 FEET ON CENTER.
   (B) PROVIDE SPLAY WIRES AT LOCATIONS NOT MORE THAN 1/2 THE ABOVE SPACING FROM EACH PERIMETER WALL OR AT THE EDGE OF VERTICAL CEILING OFFSETS

THE SLOPE OF THESE WIRES SHOULD NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED WITHOUT SPECIAL DSA/ORS APPROVAL.

7. FASTEN HANGER WIRES WITH NOT LESS THAN 3 TIGHT TURNS. FASTEN SPLAY WIRES WITH 4 TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1 1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE WIRE ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE FORCES ACTING ON THE WIRE.
8. SEPARATE ALL CEILING HANGING AND BRACING WIRES AT LEAST 6 INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT ETC., IT IS ACCEPTABLE TO ATTACH LIGHT-WEIGHT ITEMS, SUCH AS SINGLE ELECTRICAL CONDUIT NOT EXCEEDING 3/4" NOMINAL DIAMETER, TO HANGER WIRES USING CONNECTORS ACCEPTABLE TO DSA/ORS.
9. ATTACH ALL LIGHT FIXTURES AND AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES.
10. FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 56 POUNDS MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF A HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF 2-#12 GA. SLACK SAFETY WIRES ATTACHED AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
11. CLASSIFICATION OF CEILING GRID:
    CLASSIFICATION OF CEILING GRID IS "HEAVY DUTY" CHICAGO METALLIC, PER ASTM C635
    MANUFACTURER'S CATALOG NUMBER – MAIN RUNNER HEAVY DUTY MAIN TEE OR EQUAL #200-01.
    MANUFACTURER'S CATALOG NUMBER – CROSS RUNNER CHICAGO METALLIC 1214-01 CROSS TEES.
    MANUFACTURER'S CATALOG NUMBER OF DETAIL FOR RUNNER SPLICE N/A.
    ACOUSTICAL PANELS SHALL BE 5/8" MINIMUM THICK, MINERAL FIBERBOARD OR VINYL-FACED FIBERGLASS LAY-IN PANELS SQUARE EDGE ASTM FLAME SPREAD CLASS 1, 24" X 48" MODULAR SIZE, LIGHT REFLECTION 75% MINIMUM, NOISE REDUCTION COEFFICIENT OF 0.65 MINIMUM. MAXIMUM SMOKE DENSITY NOT TO EXCEED 450.

OK 89885

FILE NO.
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
APPL. PC-264
AC. FLS SS Dpt
DATE 8/11/25

24' X 40' RELOCATABLE CLASSROOMS

American Modular Systems

CUSTOMER:

CEILING GRID, DETAILS AND NOTES

DATE:	12-7-95
SCALE:	NONE
DRAWN BY:	R.S.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			5		
2			6		
3			7		
4			8		

PROJECT No.

SHEET No. 3

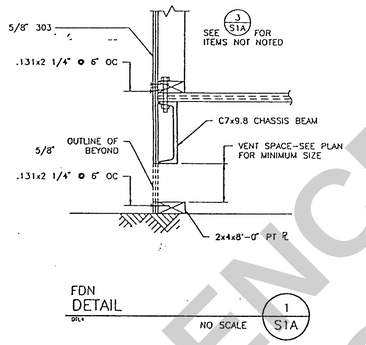
FRANKLIN 97 RELOC

FOR REFERENCE ONLY NOT FOR CONSTRUCTION

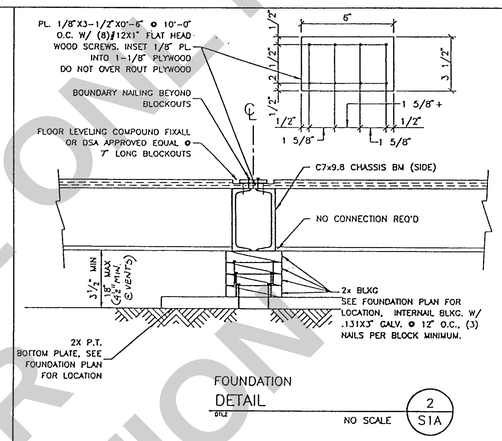
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

FOUNDATIONS

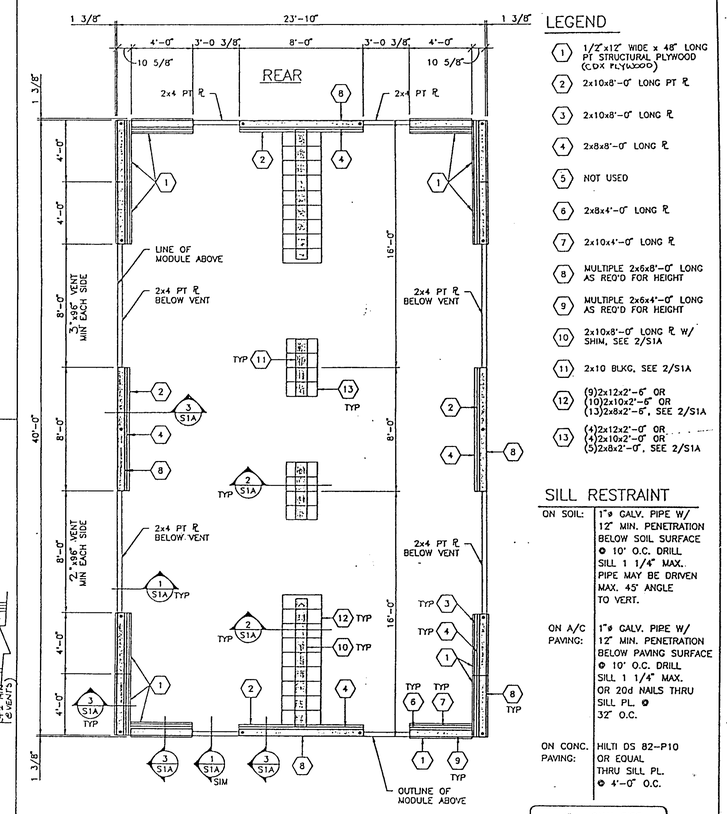
ALL FOUNDATION MATERIALS IN CONTACT WITH THE GROUND SHALL BE PRESSURE TREATED EXCEPT SHIMS MAY BE REDWOOD OR CEDAR. THE BUILDING(S) SHALL BE SET ON PTDF PADS AND 4"x6" REDWOOD OR PTDF BLOCKS. PRESSURE TREATED DOUGLAS FIR PADS, PLYWOOD GIRDERS, JOISTS ETC. SHALL BE VERIFIED BY A CERTIFICATE OF TREATMENT STATING "THE MATERIAL IN THIS UNIT WAS TREATED PER 1995 CALIFORNIA BUILDING CODE ALL MATERIAL FOR USE IN GROUND CONTACT SHALL BE STAMPED "FOR GROUND CONTACT" (LP22). THE IN-PLANT INSPECTOR SHALL VERIFY THAT ALL PRESSURE TREATED FOUNDATION MATERIAL IS CUT FROM AWPB STAMPED STOCK AND THAT ALL CUTS AND HOLES ARE RETREATED PER SPECIFICATIONS.
THE IN-PLANT INSPECTOR'S VERIFICATION OF EACH BANDED UNIT SHALL BE ATTACHED TO THE MATERIAL.
CONCRETE OR CONCRETE BLOCK FOUNDATIONS ARE NOT ALLOWED. THE FOOTING DESIGN SHALL PROVIDE FOR SHIMS AND BLOCKS NECESSARY TO PERMIT INSTALLATION ON SITES NOT LEVEL, BUT WITHIN TOLERANCE ALLOWED.
INSTALLATION SHALL BE PERMITTED ON EITHER SOIL, CONCRETE OR A/C PAVING, HAVING SUITABLE DESIGN BEARING CAPACITY, THE BUILDINGS SHALL BE SECURELY FASTENED TO THE FOUNDATIONS. THE FOUNDATIONS AND THE METHOD OF FASTENING SHALL BE SUBJECT TO APPROVAL BY THE AGENCY ARCHITECT AND THE O.S.A. PADS SHALL BE DESIGNED FOR A MAXIMUM OF 1000 PSF LOAD ON THE SOIL. PADS SHALL NOT BE PLACED ON TURF.



FDN DETAIL 1 S1A — NO SCALE



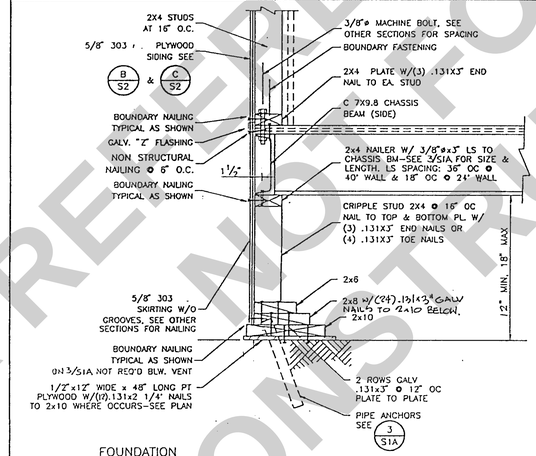
FOUNDATION DETAIL 2 S1A — NO SCALE



WOOD FOUNDATION PLAN A S1A — 1/4"=1'-0"

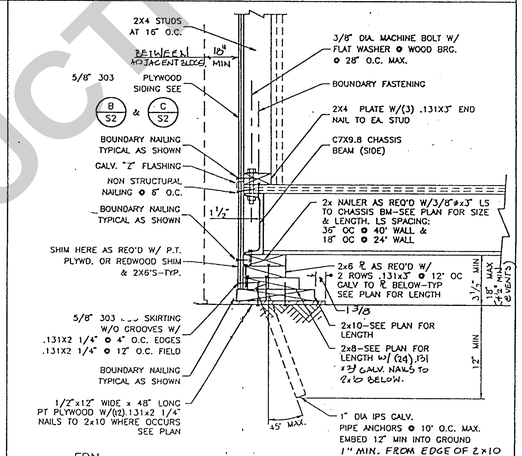
LEGEND

1. 1/2"x12" WIDE x 48" LONG PT STRUCTURAL PLYWOOD (CDX PLYWOOD)
2. 2x10x8'-0" LONG PT R
3. 2x10x8'-0" LONG R
4. 2x8x8'-0" LONG R
5. NOT USED
6. 2x8x4'-0" LONG R
7. 2x10x4'-0" LONG R
8. MULTIPLE 2x6x8'-0" LONG AS REQ'D FOR HEIGHT
9. MULTIPLE 2x6x4'-0" LONG AS REQ'D FOR HEIGHT
10. 2x10x8'-0" LONG R W/ SHIM, SEE 2/S1A
11. 2x10 BLKG, SEE 2/S1A
12. (9)2x12x2'-6" OR (10)2x10x2'-6" OR (13)2x8x2'-6", SEE 2/S1A
13. (4)2x12x2'-0" OR (4)2x10x2'-0" OR (5)2x8x2'-0", SEE 2/S1A



FOUNDATION DETAIL 4 S1A — NO SCALE

*NOTE: CRIPPLE WALL MAY NOT BE USED WITHIN 48" OF BUILDING CORNER



FDN DETAIL 3 S1A — NO SCALE

NOTE: WHEN UNDERSIDE OF JOIST IS MORE THAN 9" ABOVE SOIL, CRIPPLE WALL FOUNDATION MAY BE USED. SEE DETAIL 4/S1A.

NOTES

1. TOP OF WOOD PADS TO BE LEVEL.
2. DO NOT INSTALL BUILDINGS IN AREAS OF WATER LINES.
3. SITE TO BE GRADED TO PREVENT WATER PONDING BENEATH THE STRUCTURE.
4. FOUNDATION PLYWOOD TO BE CUT PERPENDICULAR TO THE FACE GRAIN.

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES
PC-26 4
AC FLR SS SEC
DATE 8/26/96

WOOD FOUNDATION

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA
No. 2637
Exp. 9/99

CUSTOMER:

FOUNDATION PLAN, DETAILS & NOTES

DATE: 4-1-96
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY: B.J.R.
CHECKED BY:
SERIAL NO.

REVISIONS

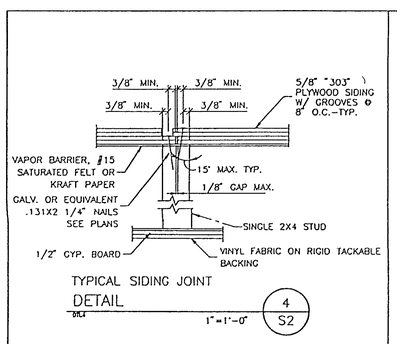
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION

PROJECT No. 96003

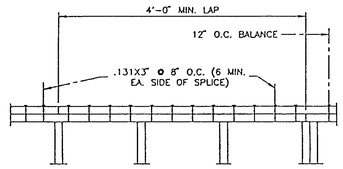
SHEET No. S1A

FRANKLIN 97 RELOC

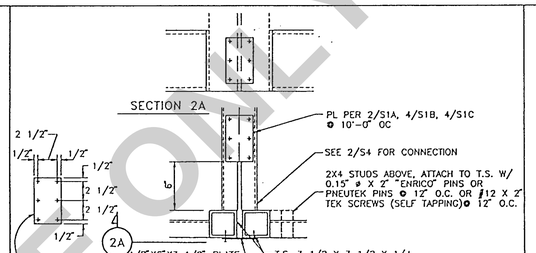
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



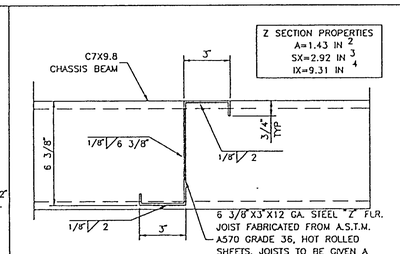
TYPICAL SIDING JOINT DETAIL 4 / S2 — 1"=1'-0"



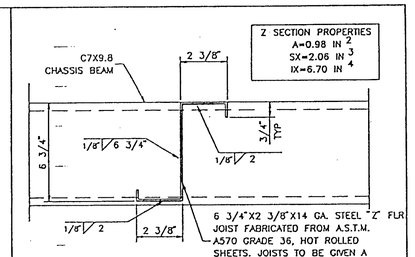
TYPICAL TOP PLATE SPLICE DETAIL 3 / S2 — 1"=1'-0"



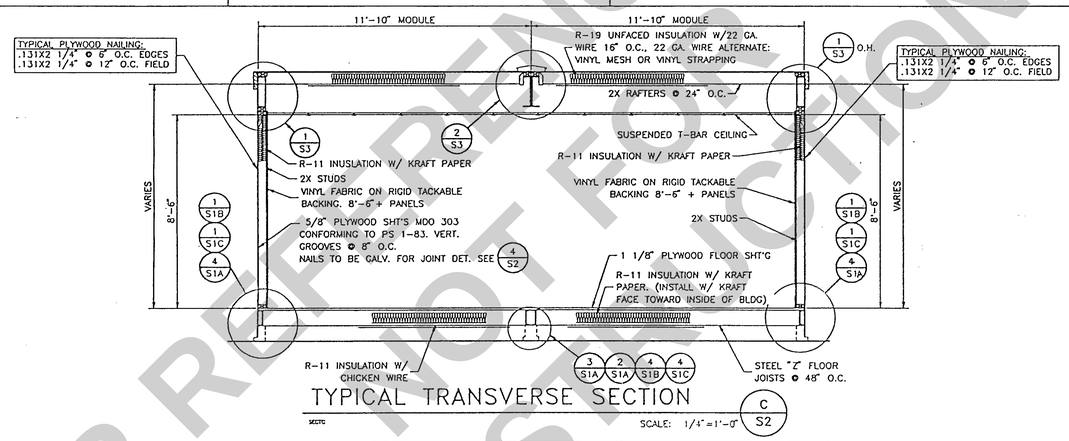
PLAN DETAIL 2 / S2 — NO SCALE



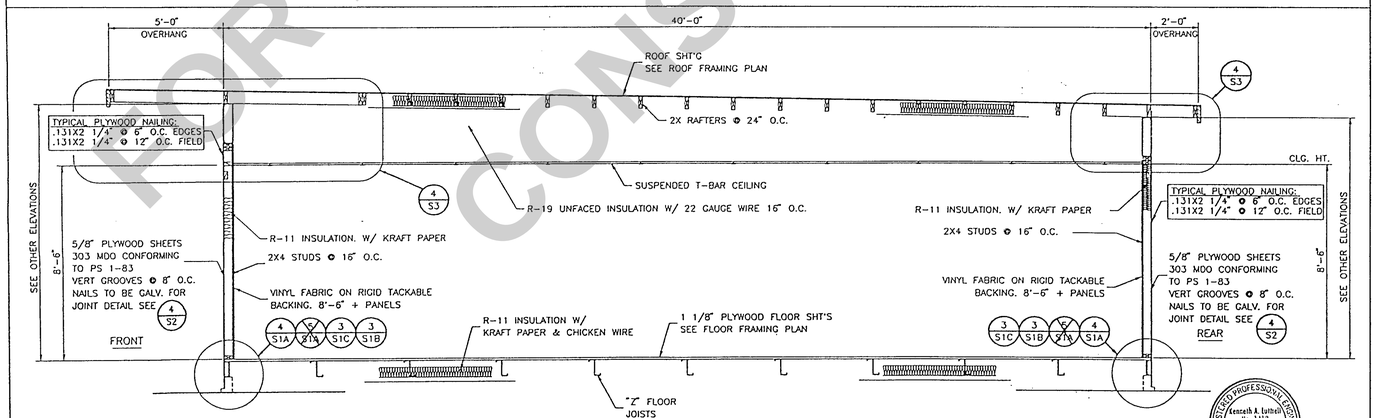
ALTERNATE DETAIL FOR 1/S2 1A / S2 — NO SCALE



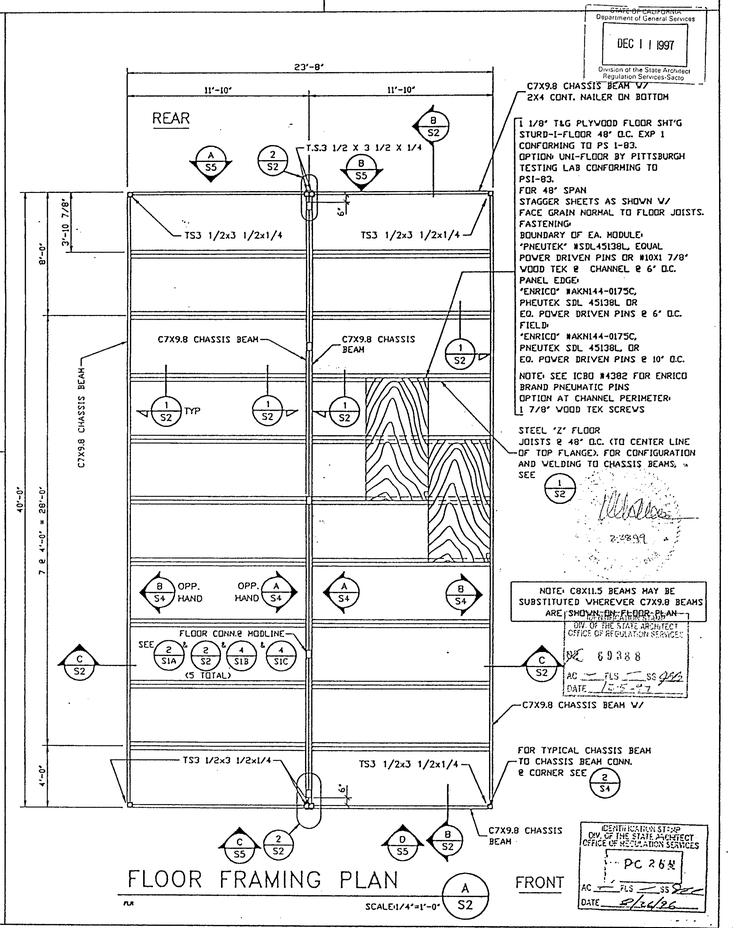
DETAIL 1 / S2 — NO SCALE



TYPICAL TRANSVERSE SECTION C / S2 — SCALE: 1/4"=1'-0"



TYPICAL LONGITUDINAL SECTION B / S2 — SCALE:1/4"=1'-0"



FLOOR FRAMING PLAN A / S2 — SCALE:1/4"=1'-0"

STATE OF CALIFORNIA Department of General Services — DEC 11 1997 — Division of the State Architect Regulation Services-Sacto

DEPARTMENT OF EDUCATION ST. HP DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES — PC 2684 — AC — FLS — SS — DATE 8/24/96

DIV. OF THE STATE ARCHITECT OFFICE OF REGULATION SERVICES — PC 6988 — AC — FLS — SS — DATE 12-5-97

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NOT FOR CONSTRUCTION

Kenneth A. Luttrell No. 1418 Exp. 3-31-97 Structural Engineer — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

Brad J. Rollins No. 2837 Exp. 9/99 Structural — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

CUSTOMER:

FLOOR FRAMING PLAN
AND BUILDING SECTIONS

DATE: 4-1-96
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			4		
2			5		
3			6		

PROJECT No. 96003

SHEET No. S2

FRANKLIN 97 RELOC

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2

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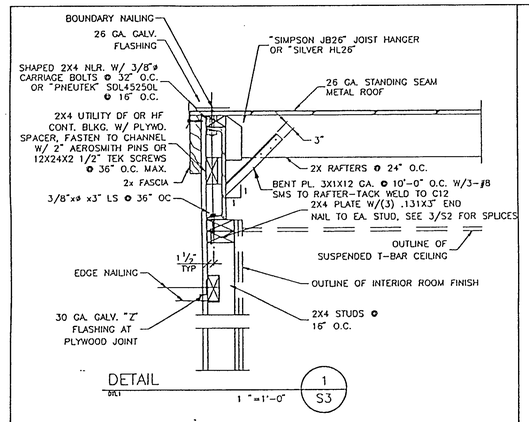
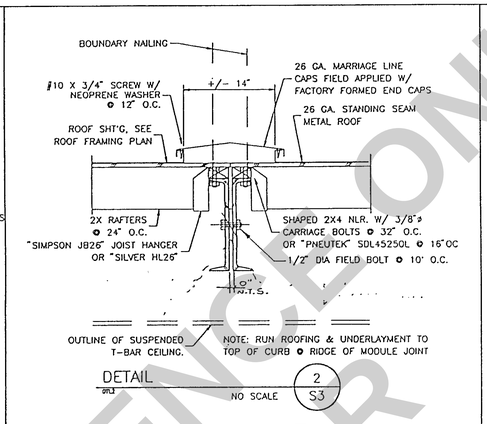
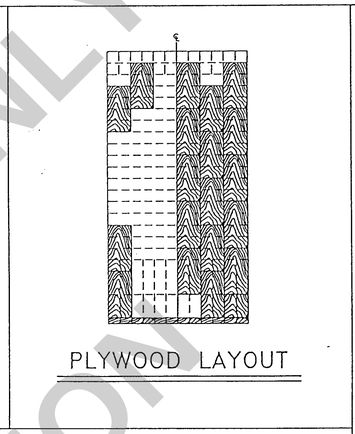
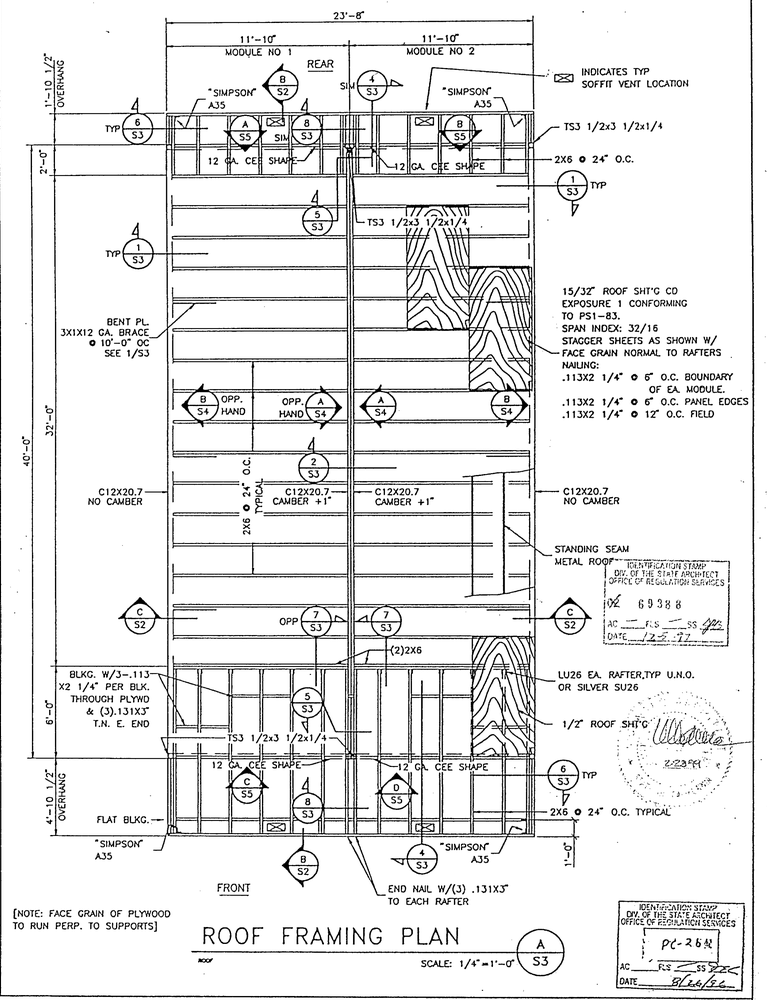
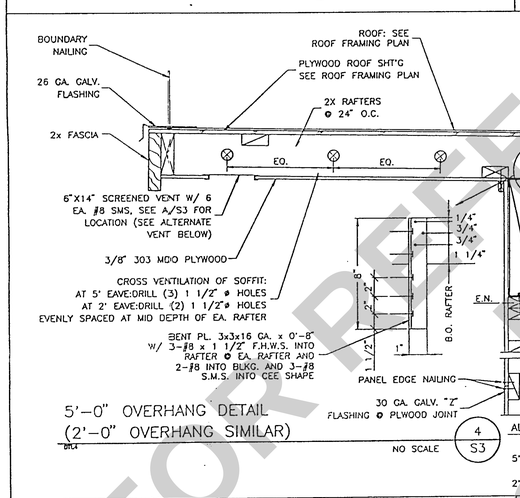
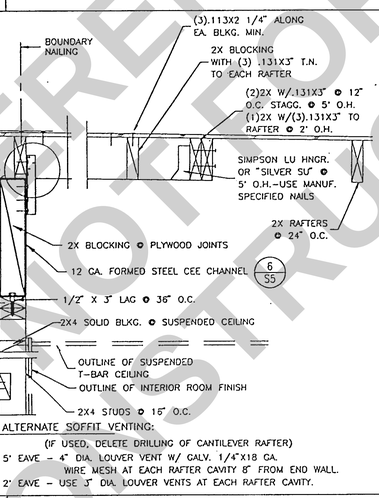


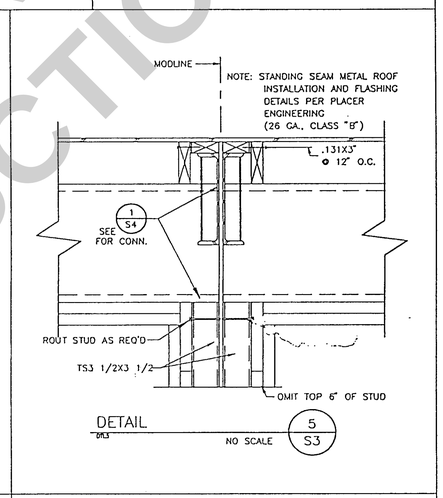


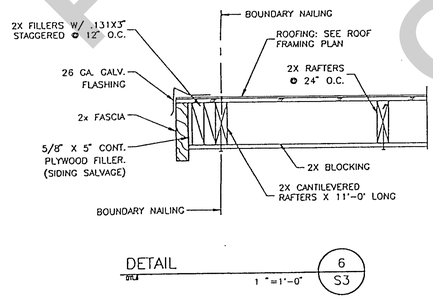


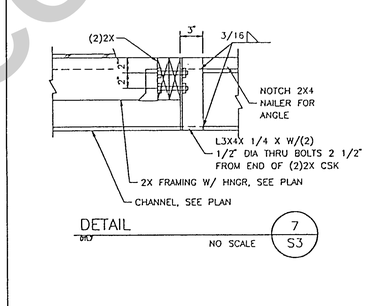


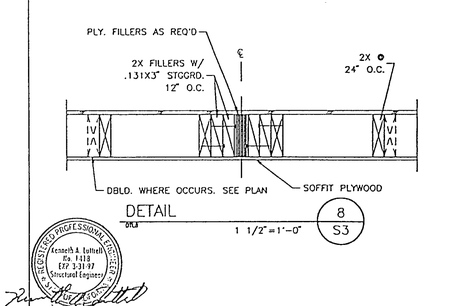












REGISTERED PROFESSIONAL ENGINEER
Kenneth A. Luttrell
No. 1318
EXP. 3-31-97
Structural Engineer
STATE OF CALIFORNIA

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER
BRAD J. ROLLINS
No. 2837
Exp. 9/99
STRUCTURAL
STATE OF CALIFORNIA

CUSTOMER:

ROOF FRAMING PLAN & DETAILS

DATE: 11-23-92
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS					
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			5		
2			6		
3			7		
4			8		

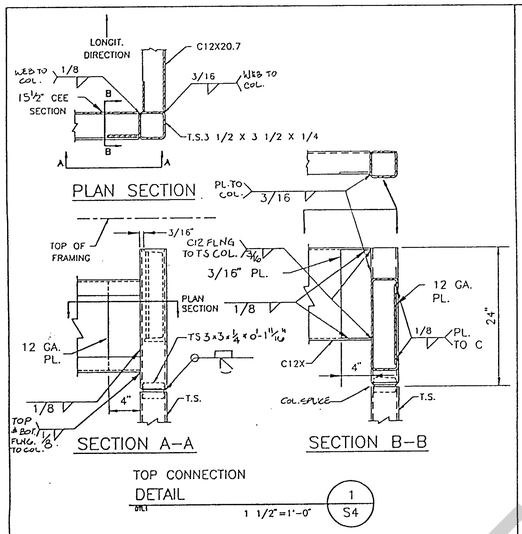
PROJECT No.
96003

SHEET No.
S3

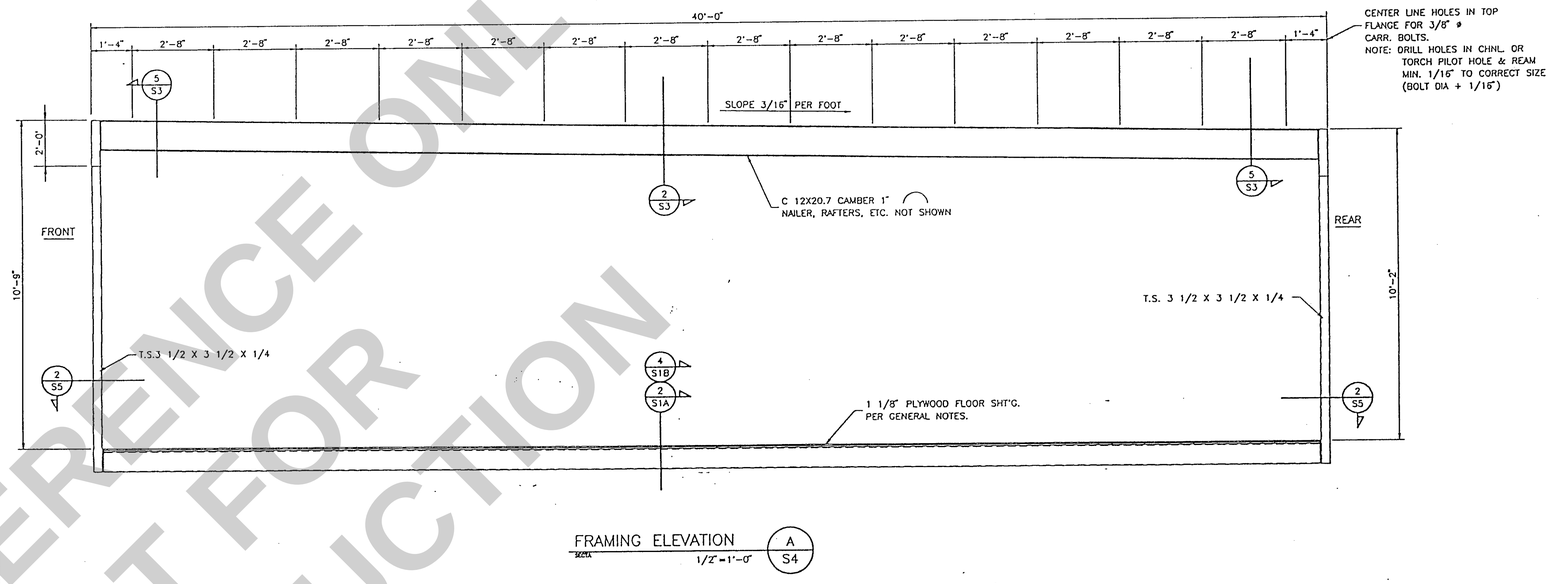
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-2684
AC FLS SS
DATE 8/16/96

FRANKLIN 97 K-12 OC

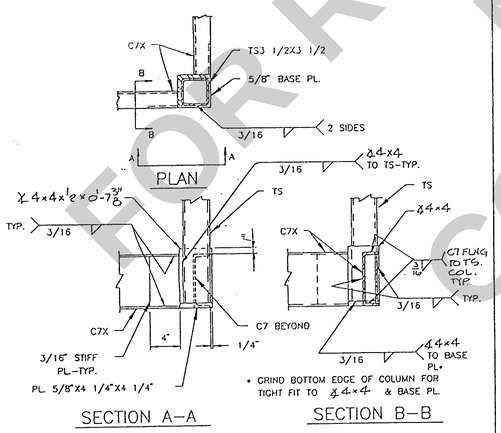
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



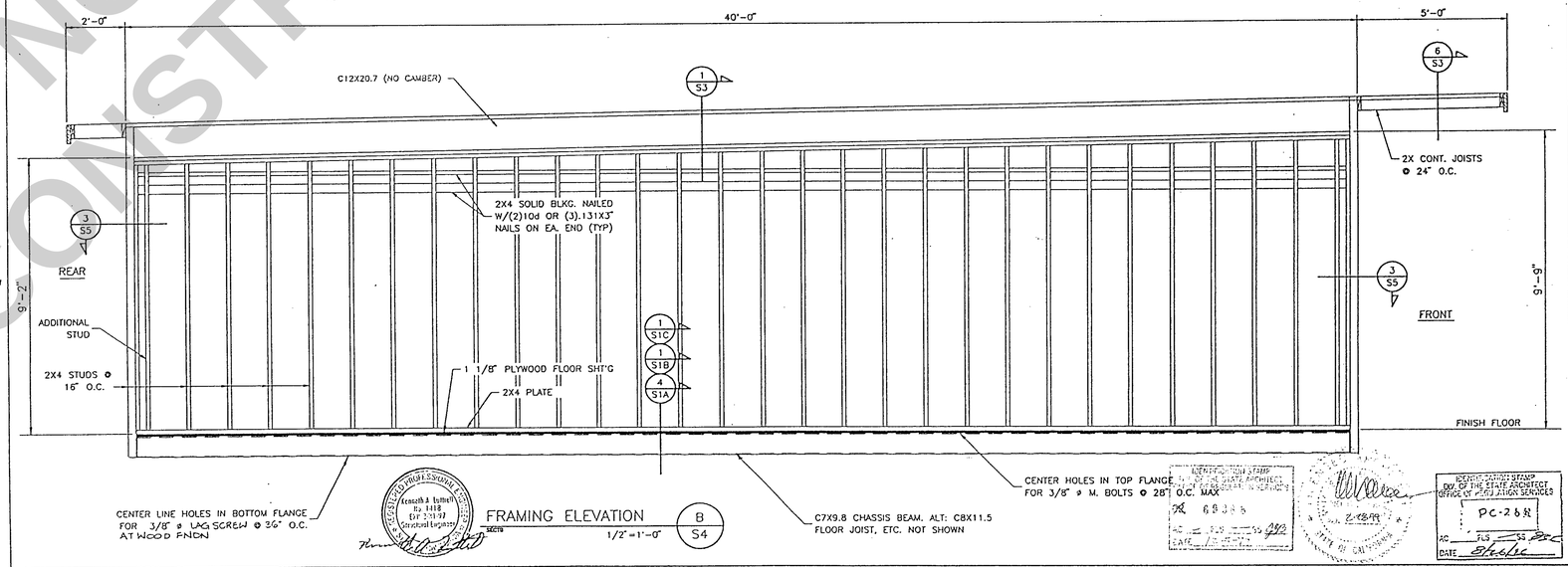
TOP CONNECTION DETAIL — 1 1/2"=1'-0" — 1 / S4



FRAMING ELEVATION — 1/2"=1'-0" — A / S4



BOTTOM CONNECTION DETAIL — 1 1/2"=1'-0" — 2 / S4



FRAMING ELEVATION — 1/2"=1'-0" — B / S4

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

REGISTERED PROFESSIONAL ENGINEER — BRAD J. ROLLINS — No. 2837 Exp. 9/99 — STRUCTURAL — STATE OF CALIFORNIA

CUSTOMER:

FRAMING ELEVATIONS & DETAILS

DATE: 4-1-96
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

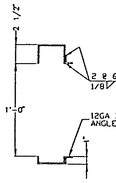
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			5		
2			6		
3			7		
4			8		

PROJECT No. 96003

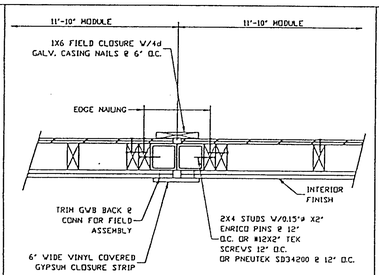
SHEET No. S4

FRANKLIN 97 RELOC

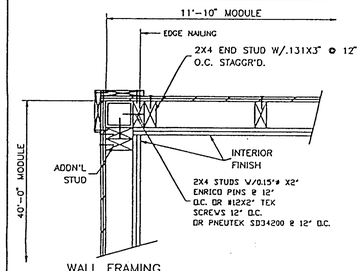
MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



A/C DUCT OPENING DETAIL — 1 / S5 — NO SCALE



WALL FRAMING PLAN — 2 / S5 — NO SCALE



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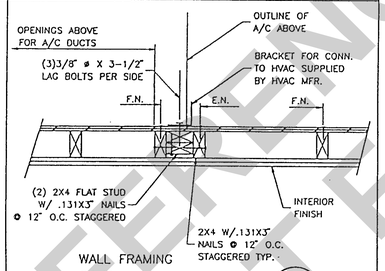

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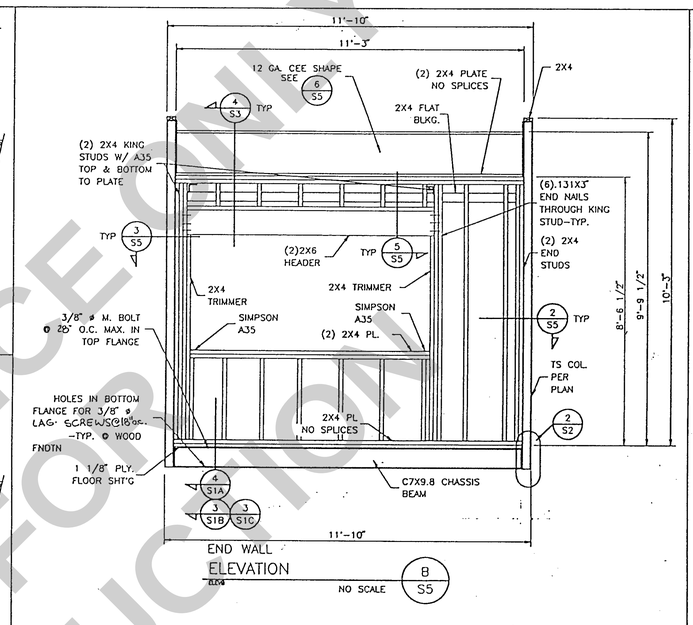
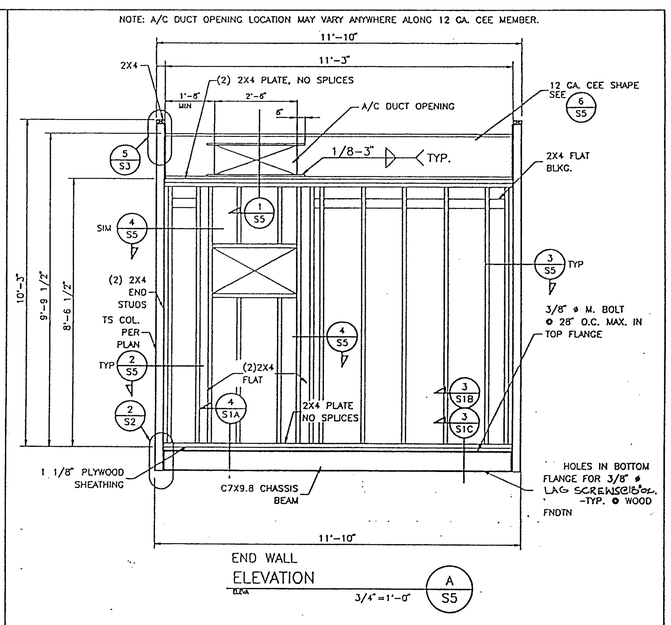
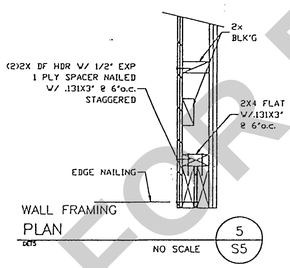


END WALL ELEVATION — B / S5 — NO SCALE

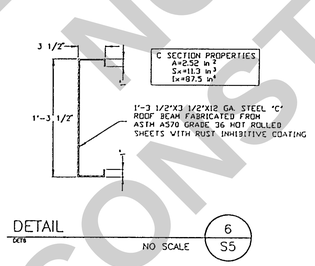
NOTE: A/C DUCT OPENING LOCATION MAY VARY ANYWHERE ALONG 12 GA. CEE MEMBER.



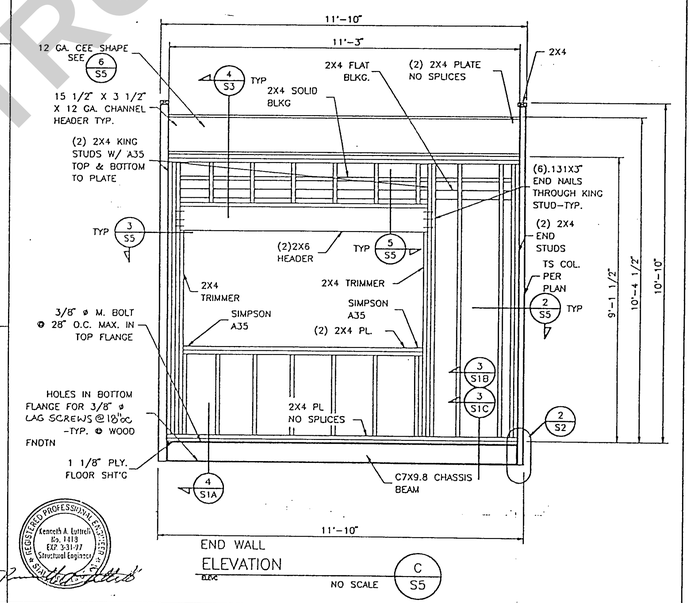
END WALL ELEVATION — A / S5 — 3/4"=1'-0"



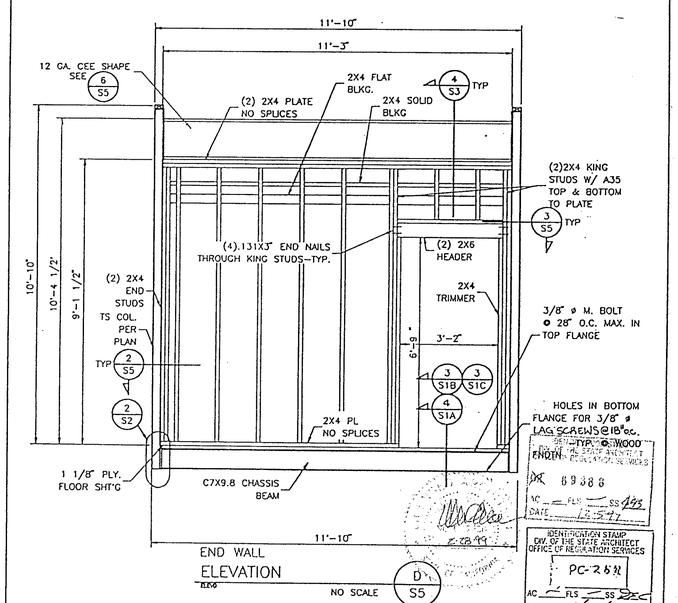
WALL FRAMING PLAN — 5 / S5 — NO SCALE



DETAIL — 6 / S5 — NO SCALE



END WALL ELEVATION — C / S5 — NO SCALE



END WALL ELEVATION — D / S5 — NO SCALE

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

REGISTERED PROFESSIONAL ENGINEER — Kenneth A. Epstein — No. 1418 — Exp. 3-31-97 — Structural Engineer — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — BRAD J. ROLLINS — No. 2837 — Exp. 9/99 — STRUCTURAL — STATE OF CALIFORNIA

IDENTIFICATION STAMP — DIV. OF THE STATE ARCHITECT — OFFICE OF REGULATION SERVICES — PC-2681 — AC ___ FLS ___ SS 2EC — DATE 6/26/98

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

FRAMING ELEVATIONS AND DETAILS

DATE:	4-1-96
SCALE:	NONE
DRAWN BY:	R.S.
CHECKED BY:	
CHECKED BY:	
SERIAL NO.	

REVISIONS

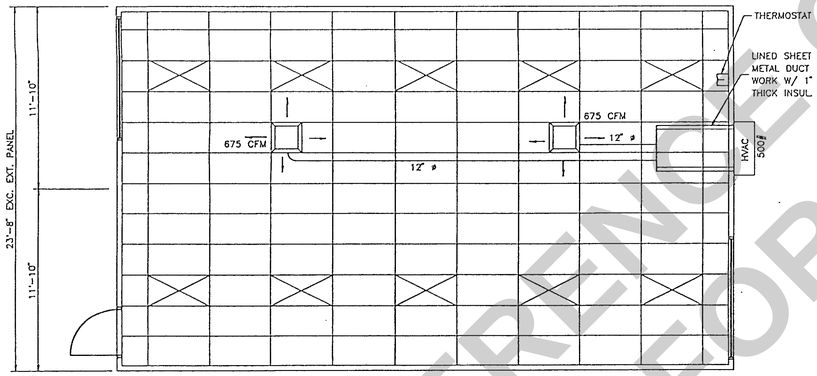
NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			4		
2			5		
3			6		

PROJECT No. 96003

SHEET No. S5

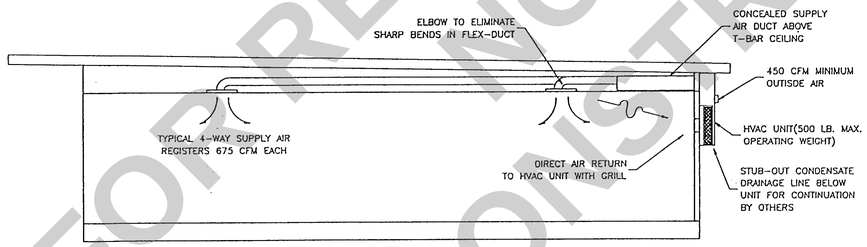
FRANKLIN 97 RELOC

MCSD BID# 2024-5 _ 04/02/2025
Addendum No. 2



HEAT/SUPPLY AIR DUCT LAYOUT

SCALE: 1/4"=1'-0"



HEAT/SUPPLY AIR DUCT CROSS SECTION

SCALE: 1/4"=1'-0"

FOR REFERENCE ONLY
NOT FOR CONSTRUCTION

GENERAL NOTES
HEATING VENTILATING AND AIR CONDITIONING (HVAC)

1. Heat Pump: Single package wall mounted air to air electric heat pump unit shall be rated in accordance with ARI Standard 240–77.
   Reference Brands: BARD WH42A–XXXXXX
   MARVAIR AVP 42 HPA–08S

   All units shall be 230/208 volt, 1 phase system, UL tested & approved or comparable and meet current energy standards. All units shall incorporate an exterior factory mounted thermostat to sense the outside ambient temperature and stage the electric heat controllers. The circuitry shall prohibit the supplemental electric heat strips from operating simultaneously with the heat pump compressor. The thermostat shall be factory preset at 25 degrees F. and adjusted to the thermal balance point of the structure to allow the heat strips to operate only below that setting. If the outdoor temperature is above this point the heat pump shall operate and the electric heat strips shall be locked out.
   A.) The system shall maintain an automatically controlled indoor classroom temperature of 78 degrees F. When the outdoor dry bulb temperature varies between 100 degrees F. in the summer
   B.) The system must maintain the above temperature when the damper is adjusted to use approximately one third fresh air.
2. Duckwork.
   A.) Construct all ductwork of galvanized sheet metal in accordance with U.M.C., Ashrae Guide Equipment volume and Smacna Low Velocity Duct Construction manual latest editions. All ductwork shall be insulated with 1" thick fiberglass duct wrap with vapor barrier. Provide 1" duct attenuation at all ductwork within 5'0" of HVAC unit.

   B.) Non–metallic ductwork option: In accessible concealed portions of duct system rigid 1" fiberglass or insulated flex–duct with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 5' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure.
   Reference Brands: Owens–Corning fiberglass ducttboard, 1" thick, and Micro–aire, TYPE 475.
   Non–metallic ductwork shall conform to NFPA 90–A and SMACNA Class 1 rating.
3. Air duct insulation and linings shall comply with flame spread less than or equal to 25, smoke generation less than or equal to 50.
4. Supply air diffusers shall be 675 CFM max. 15"x15" neck, steel, rigid 1" fiberglass or flexduct ductwork specifically designed to provide air thermal cooling systems. 24"x8"x1" Micro–
   Aire type #475 Owens–Corning, Knauf, Certainteed, or equal and 90– B: UL #131 test, class 1 rating with "SMACNA".
5. Registers and diffusers: Provide three (Min) 4–way throw air diffusers as manufactured Carnes, Titus, Hart and Cooley, Metalaire, Shoemaker, Barber–Coleman or Krueger commercial grade grills and registers
6. Air conditioning controls.
   Thermostat: Provide electronic programmable thermostat. Thermostat shall have the following functions.
   A.) 5 and 2 weekday/weekend programming with 4 separate time/temperature setting for 24–hour period.
   B.) Key board lockout switch.
   C.) Programmable display.
   D.) 2–hour override minimum.
   E.) Status Indicated Led's.
   F.) Battery back–up.
   Provide locking clear thermostat cover with thermostat cover with access hole for program override. White Rodgers 1F92.
7. Thermal insulation
   A.) Roof Insulation: R–19 Unfaced.
   B.) Walls Insulation: R–11 Kraft Faced.
   C.) Floors Insulation: R–11 Kraft Faced.
   Flame spread and smoke development shall conform to California Building Code sec. 707.
8. Factory–made air ducts. Factory–made air ducts shall be approved for the use intended or shall conform to the requirements of U.M.C. Standard No. 6–1. Each portion of a factory–made air duct system shall be identified by the manufacturer with a label or other suitable identification indicating compliancewith U.M.C. Standard No. 6–1 and its class designation. These ducts shall be listed and shall be installed in accordance with the terms of their listing and the requirements of UMC STD. 6–1.

DUCT SUPPORT
Flex duct to be supported with 1–1/2" wide x 26 ga. galv. strap @ max 6'–0" o.c. Attach to rafter W/2 #8 SMS @ each end.
Supply air plenum to be supported with 1–1/2" wide x 26 ga. galv. straps min. 2 per plenum.
Supply air box and diffusers to be supported with (2) 12 ga. hanger wires to box @ opposite corners.
Supply air box and diffusers to be braced with (2) 12 ga. slack wires to box @ opposite corners. Attach supply air diffusers to ceiling grid to resist a lateral load equal to the weight of the diffuser and supply air box W/2 #8 SMS.

THESE DRAWINGS COMPLY
WITH THE ENERGY CONSERVATION REQUIREMENTS
OF TITLE 24 OF THE STATE OF CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC-268
AC
FLS
DATE

24 X 40
RELOCATABLE
CLASSROOMS

American Modular Systems

CUSTOMER:

FLOOR PLAN & NOTES

DATE: 12-7-95
SCALE: NONE
DRAWN BY: R.S.
CHECKED BY:
CHECKED BY:
SERIAL NO.

REVISIONS

NO	DATE	DESCRIPTION	NO	DATE	DESCRIPTION
1			5		
2			6		
3			7		
4			8		

PROJECT No.

SHEET No. M 1

FRANKLIN 97 RELOC