

## ADDENDUM NO. 02

### CYPRESS COLLEGE Fine Arts Swing Space



DSA #: 04-120540

Project Site:  
Cypress College  
9200 Valley View St  
Cypress, CA 90630

Owner: North Orange Community  
College District  
1830 W. Romneya Drive  
Anaheim CA 92801-1819

DLR Group #: 75-21204-02

Architect: DLR GROUP  
700 South Flower, 22<sup>nd</sup> Floor  
Los Angeles, CA 90017

April 29, 2022

Construction Manager: Sundt Construction  
41 Corporate Park, Suite 310  
Irvine, CA, 92606

The following changes, deletions, additions and/or alterations in, on and to the drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby.

Careful note of this addendum shall be taken by all parties of interest so that the proper allowance may be made in all computations, estimates, and contracts, and all trades affected shall be fully advised in the performance of the work which will be required of them.

### GENERAL CLARIFICATIONS

ITEM	SHEET	NARRATIVE
AD-2-1	---	Specifications: Revised sections to the specification are noted as " <b>Revised</b> " in the section header and specific changes are noted in <u>underline</u> or <del>strikeout</del> with the corresponding addendum reference " <b>ADD 02</b> ". Reissued sections with comprehensive revisions are noted as "Reissued" in the section header. New issued sections are noted as "Issued" in the section header.

### PROJECT MANUAL & SPECIFICATIONS

ITEM	SHEET	NARRATIVE
AD-2-2	(4 pages)	00 00 01 Table of Contents
AD-2-3	---	00 10 00 Summary i. Deleted spec section in its entirety
AD-2-4	(4 pages)	01 00 00 Summary of Work i. Added section
AD-2-5	(2 pages)	01 21 00 Allowances i. Revised section in its entirety

ITEM	SHEET	NARRATIVE
AD-2-6	---	01 25 00 Substitution Procedures a. Deleted section
AD-2-7	(3 pages)	01 26 13 Request for Information Procedures a. Added section
AD-2-8	---	01 29 00 Payment Procedures a. Deleted section
AD-2-9	(2 pages)	01 29 73 Schedule of Values a. Revised section in its entirety
AD-2-10	(3 pages)	01 29 76 Progress Payment Procedures a. Added section
AD-2-11	---	01 31 00 Project Management and Coordination a. Deleted section
AD-2-12	(4 pages)	01 31 13 Project Coordination a. Added section
AD-2-13	(4 pages)	01 31 10 Progress Meetings a. Revised section
AD-2-14	(19 pages)	01 32 29 Project Forms a. Added section
AD-2-15	(6 pages)	01 33 00 Submittal Procedures a. Revised section in its entirety
AD-2-16	(2 pages)	01 41 00 EIR – (CC) a. Added section
AD-2-17	(3 pages)	01 45 23 Testing and Inspection a. Revised section in its entirety
AD-2-18	(4 pages)	01 45 24 Environmental Import & Export a. Added section
AD-2-19	(8 pages)	01 50 00 Construction Facilities and Temporary Controls a. Revised section in its entirety
AD-2-20	(6 pages)	01 60 00 Product Substitution Procedures a. Added section
AD-2-21	(1 page)	01 62 11 Substitution Request Form a. Added section
AD-2-22	(2 pages)	01 71 23 Field Engineering a. Revised title and section in its entirety
AD-2-23	(5 pages)	01 73 29 Cutting & Patching a. Added section
AD-2-24	(2 pages)	01 74 19 Construction Waste Management a. Revised section in its entirety
AD-2-25	(5 pages)	01 77 00 Contract Closeout a. Revised Section in its entirety
AD-2-26	(1 page)	01 78 36 Warranty Procedures a. Revised title and section in its entirety
AD-2-27	(25 pages)	08 71 00 Door Hardware a. B.3 - Deleted a phrase b. 1.5, B.3 – Revised a phrase. c. 1.7, A – Deleted paragraph in its entirety d. 2.4 Continuous Hinges – Deleted section in its entirety e. 2.5 Electric Power Transfer – Deleted section in its entirety f. 2.14 Electro-Hydraulic Automatic Operators – Deleted section in its entirety g. 2.21 Magnetic Holders – Deleted section in its entirety



		h. 2.22 Magnetic Catches – Deleted section in its entirety i. 2.23 Door Position Switches – Deleted section in its entirety j. 2.24 Coat Hooks – Deleted section in its entirety k. 3.7 Door Hardware Schedule – Added hardware 02A, 03A, 04A, 05A
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## DRAWINGS

ITEM	SHEET	NARRATIVE
AD-2-28	(1 page)	A1.1 First Floor Plan a. Revised door schedule
AD-2-29	(1 page)	A1.2 Second Floor Plan a. Revised door schedule
AD-2-30	(1 page)	A1.3 Third Floor Plan a. Revised door schedule b. Added two push plates at Room FA221
AD-2-31	(1 page)	E2.2 Overall Second Floor Power Plan a. Added power outlets in Room SEM203
AD-2-32	(1 page)	E7.1 Electrical Schedules a. Revised Panel – 2C

## RESPONSES TO PRE-BID CLARIFICATIONS (“PBC”) - NONE

ITEM	SHEET	NARRATIVE
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## REFERENCE DOCUMENTS

ITEM	SHEET	NARRATIVE
AD-2-33	(83 pages)	Hazardous Materials Abatement Report from Converse Consultants Dated September 21, 2021
AD-2-34	(105 pages)	Original SEM Construction DSA Approved Drawings (1970)

## **END OF ADDENDUM**

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***Revised, Addendum 02, 04/29/22***

### **DIVISION 00 – PROCUREMENT AND CONTRACTING REQUIREMENTS**

*PROCUREMENT AND CONTRACTING INFORMATION PENDING FROM OWNER*

00 01 07      SEALS PAGE

### **DIVISION 01 – GENERAL REQUIREMENTS**

01 10 00      ~~SUMMARY~~ **ADD 02**

01 11 00      ~~SUMMARY OF WORK~~ **ADD 02**

01 21 00      ~~ALLOWANCES~~ **ADD 02**

01 25 00      ~~SUBSTITUTION PROCEDURES~~ **ADD 02**

01 26 00      CONTRACT MODIFICATION PROCEDURES

01 26 13      ~~REQUEST OF INFORMATION PROCEDURES~~ **ADD 02**

01 29 00      ~~PAYMENT PROCEDURES~~ **ADD 02**

01 29 73      ~~SCHEDULE OF VALUES~~ **ADD 02**

01 29 76      ~~PROGRESS PAYMENT PROCEDURES~~ **ADD 02**

01 31 00      ~~PROJECT MANAGEMENT AND COORDINATION~~ **ADD 02**

01 31 13      ~~PROJECT COORDINATION~~ **ADD 02**

01 31 19      ~~PROGRESS MEETINGS~~ **ADD 02**

01 31 30      ELECTRONIC PROJECT MANAGEMENT INFORMATION SYSTEM

01 32 10      CONSTRUCTION SCHEDULE

01 32 29      ~~PROJECT FORMS~~ **ADD 02**

01 32 33      PHOTOGRAPHIC DOCUMENTATION

01 33 00      ~~SUBMITTAL PROCEDURES~~ **ADD 02**

01 35 27      SITE SAFETY

01 40 00      QUALITY REQUIREMENTS

01 41 00      ~~EIR – (CC)~~ **ADD 02**

01 42 00      REFERENCES

01 42 13      ABBREVIATIONS, SYMBOLS AND ACONYMS

01 45 23      ~~TESTING AND INSPECTION~~ **ADD 02**

01 45 24      ~~ENVIRONMENTAL IMPORT & EXPORT~~ **ADD 02**

01 50 00      ~~CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS~~ **ADD 02**

01 57 23      STORMWATER POLLUTION CONTROL

01 60 00      ~~PRODUCT SUBSTITUTION PROCEDURES~~ **ADD 02**

01 60 10      MATERIALS AND EQUIPMENT

01 62 11      ~~SUBSTITUTION REQUEST FORM~~ **ADD 02**

01 70 00      EXECUTION REQUIREMENTS

01 71 23      ~~FIELD ENGINEERING SURVEY CONTROL~~ **ADD 02**

01 73 29      ~~CUTTING & PATCHING~~ **ADD 02**

01 74 17      CLEANING AND SITE APPEARANCE

01 74 19      ~~CONSTRUCTION WASTE MANAGEMENT~~ **ADD 02**

01 77 00      ~~CONTRACT CLOSEOUT~~ **ADD 02**

01 78 23      OPERATION AND MAINTENANCE DATA

01 78 36      ~~WARRANTIES~~ WARRANTY PROCEDURES **ADD 02**

01 78 39      PROJECT RECORD DOCUMENTS

01 79 00      DEMONSTRATION AND TRAINING

01 86 20      TEST AND BALANCE

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*NOT USED*

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*NOT USED*

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*NOT USED*

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26 05 19 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES  
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26 05 33 RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS  
26 05 48.16 SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS  
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## SECTION 01 11 00

### SUMMARY OF WORK

***Issued, Addendum 02, 04/29/22***

#### PART 1 – GENERAL

##### 1.01 SUMMARY

- A. The Project consists of partial renovation of existing Science, Engineering and Mathematics Building #3 to convert to swing space for the Fine Arts building for North Orange County Community College District, in compliance with the Contract Documents and Code requirements.
- B. The furnishing of all labor, materials, equipment, services, and incidentals necessary for Work of Cypress College Swing Space Project, 9200 Valley View St, Cypress, California 90630.

##### 1.02 RELATED DOCUMENTS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Drawings.
- D. Specifications.

##### 1.03 USE OF PREMISES

- A. Contractor's required compliance with District's Use of Premises conditions, identified herein, shall not be deemed justifiable cause for claims of delay in schedule or of added cost to Project.
- B. Contractor shall sequence, coordinate, and perform the Work to impose minimum impact on the operation and use of the facilities and/or Project site. Contractor shall install all necessary protection for existing improvements, Project site, property, and new Work against dust, dirt, weather, damage, vandalism, and maintain and relocate all protection to accommodate progression of the Work.
- C. Contractor shall schedule and perform all work that requires a utility shutdown, which would interrupt service to existing occupied facilities, during off-hours, at no additional cost to the District.
- D. Contractor shall confine entrance and exiting to the Project site and/or facilities to routes designated by the District Representative.
- E. Contractor to coordinate with District Representative to obtain keys. Contractor will be required to sign a release form. Key requests need to be made in advance and will be processed and available for the Contractor to pick up within five (5) business days. If Contractor loses a key or fails to return a key to the District, Contractor shall be fined \$1,000 for each key lost.
- F. Review and comply with the requirement outlined in Specification Section 01 50 00 Construction Facilities and Temporary Controls for the use of field offices, storage, work areas, or parking needed for operations or Contractor's employees. Obtain and pay for all public right of way fees associated with utility connections, street use permits and protective canopies over public right of ways.
- G. Within existing facilities, District Representative may remove portable equipment, furniture, and supplies from Work areas prior to the start of Work. Contractor shall cover and protect remaining items in areas of the Work.
- H. Provide and maintain unimpeded access for police, fire fighting, or rescue equipment.
- I. Contractor is advised campus may be in session during performance of the Work. Contractor is also advised that campus may occupy certain area within the building during the Work (reference Specification Section 01 12 16 Phasing of the Work). Contractor shall utilize all available means to prevent generation of unnecessary noise/vibrations and maintain noise/vibration levels to a minimum. When required by the District Representative, Contractor shall immediately discontinue

noise-generating activities and/or provide alternative methods to minimize noise generation. Contractor shall install and maintain air compressors, tractors, cranes, hoists, vehicles, and other internal combustion engine equipment with mufflers, including unloading cycle of compressors. Contractor shall discontinue operation of equipment producing objectionable noise as determined by District Representative and/or District Representative. When applicable, District Representative will provide a testing schedule to indicate when work may not occur.

- J. Contractor shall furnish, install, and maintain adequate supports, shoring, and bracing to preserve structural integrity and prevent collapse of existing improvements and/or Work modified and/or altered as part of the Work.
- K. Contractor shall secure site, building entrances, exits, and Work areas with locking devices in an acceptable manner to District Representative.
- L. Contractor assumes custody and control of Owner property, both fixed and portable, remaining in existing facilities vacated during the Work.
- M. Contractor shall cover, maintain, and protect surfaces of rooms and spaces in existing facilities turned over for the Work, including Owner property remaining within as required to prevent soiling or damage from dust, dirt, water, and/or fumes. Contractor shall protect areas adjacent to the Work in a similar manner. Prior to Owner occupancy, Contractor shall clean all surfaces including Owner property.
- N. Contractor shall protect all surfaces, coverings, materials, and finished Work from damage. Mobile equipment shall be provided with pneumatic tires.
- O. The District reserves the right to place and install equipment in areas of the Project prior to Substantial Completion provided that it doesn't interfere with the completion of the Work. This partial occupancy shall not constitute acceptance of the Work by the District Representative.
- P. Contractor shall not permit the use of portable and/or fixed radio's or other types of sound producing devices including iPod's, speakers, and similar devices.

#### 1.04 EXISTING CONDITIONS

- A. Contractor shall document the existing site and produce still video recording (on DVD or other similar device), sufficiently detailed, of existing conditions of adjoining construction, roads, and site improvements that might be misconstrued as damage caused by construction operations.
- B. Contractor shall protect items indicated to remain against damage and soiling during construction.
- C. Contractor shall protect existing IT equipment indicated to remain by properly covering and ventilating the equipment. Coordinate procedures with District Representative and IT Department.
- D. Contractor shall sequence work in a manner that will prevent any damage upon new construction elements.
- E. Contractor shall replace any items damaged during construction.
- F. Contractor shall maintain and allow clear access to existing improvements and utilities identified to remain or to be protected in-place, within the Project's limit of work, to the District to facilitate routine maintenance or emergency access to the improvements and utilities.
- G. Contractor shall locate and identify existing underground utilities and provide isolation (valves as needed) and/or sequencing of new service installations accordingly to not affect the campus active services. Coordinate with District Representatives as required.
- H. Contractor shall protect in place existing campus fire alarm and fire suppression systems (above and below grade) to remain and provide repairs immediately upon any damage to the systems.

#### 1.05 WORK NOT IN CONTRACT

- A. The term "NIC" shall be construed to mean that portions of the Project are not to be furnished, installed or performed by the Contractor. The term shall mean "Not in Contract" or Not a Part of the Work to be performed by the Contractor" except that coordination and installation of certain NIC items specified

shall be the Contractor's responsibility. District will award separate contracts for products and installation for the following work and other work as may be indicated on Drawings as NIC (Not in Contract), including:

- a. Performing tests and inspections specified in the Contract Documents.
- B. When the work of this Contract requires the Contractor to make allowance for the above in his work, and to provide supports, power, conduits, stub-outs and other services to these items, the drawings, manufacturer's data and other information necessary for the Contractor's work will be provided by the District Representative upon request.

#### 1.06 OWNER FURNISHED CONTRACTOR INSTALLED (OFCI) MATERIALS

- A. Certain materials identified in the Contract Documents as Owner Furnished Contractor Installed (OFCI) will be delivered to the Project site by the District Representative. Contractor shall unload, store, uncrate, assemble, install, and connect Owner supplied materials.
  - a. New power infeeds for sound booths located in Room #203, refer to electrical plans.
  - b. New power and mechanical requirements for owner furnished kilns, refer to mechanical and electrical plans.
- B. One-Hundred and Twenty (120) days before the date the Contractor needs to have the OFCI materials on site, Contractor shall notify District Representative of the scheduled date for needed OFCI materials. Upon delivery to Project site, Contractor shall store OFCI materials inside rooms and/or protected spaces and will be responsible for security of OFCI materials until Substantial Occupancy. District Representative will sign receipt or bill of lading as applicable.
- C. Contractor shall, within ten days after delivery, uncrate and/or unpack OFCI materials in presence of District Representative who shall inspect delivered items. District Representative shall prepare an inspection report listing damaged or missing parts and accessories. District Representative shall transmit one copy of the report to Contractor. District Representative will procure and/or replace missing and or damaged OFCI materials, as indicated in inspection report.
- D. Contractor shall install OFCI materials in the locations and orientation as indicated in the Contract Documents. Contractor shall verify exact locations with District Representative before final installation of OFCI materials.
- E. If required, District Representative will furnish setting and or placement drawings for OFCI materials.
- F. Contractor shall install OFCI materials by proper means and methods to ensure an installation as recommended by the manufacturer. Contractor shall furnish and install all necessary fasteners and required blocking to properly install OFCI materials.
- G. Contractor shall install OFCI materials with manufacturer recommended fasteners for the type of construction to which the OFCI materials are being fastened and/or anchored.
- H. Contractor shall provide final connections of any electrical, signal, gas, water, waste, venting and/or similar items to OFCI materials. Contractor shall, prior to final connection, verify the operating characteristics of OFCI materials are consistent with the designated supply.

#### 1.07 CONTRACTOR FURNISHED OWNER INSTALLED (CFOI) MATERIALS

- A. Certain materials are identified in the Contract Documents as Contractor Furnished Owner Installed (CFOI). CFOI materials shall be delivered to District Representative by Contractor. Contractor shall furnish the following per the contract documents:
  - a. Key cores – Contractor to provide in accordance with Section 08 71 00, Door Hardware. Materials must be received directly from the manufacturer two months prior to occupancy.

#### PART 2 – PRODUCTS (Not applicable)



PART 3 – EXECUTION (Not applicable)

END OF SECTION 01 11 00

## SECTION 01 21 00

### ALLOWANCES

***Revised, Addendum 02, 04/29/22***

#### PART 1 – GENERAL

##### 1.01 SECTION INCLUDES

- A. This Section specifies administrative and procedural requirements governing Contract allowances.
  - 1. Allowances as set forth in the Specifications are to be used as compensation for items as set forth in this Section. The amounts listed in the schedule or Specifications are to be included in the base bid and shall be listed separately in the Schedule of Values and Application for Payment.

##### 1.02 RELATED SECTIONS

- A. Division 0 – Bid Documents.
- B. General Conditions.
- C. Construction Services Agreement.
- D. Section 01 29 73: Schedule of Values Procedures.
- E. Section 01 29 76: Progress Payment Procedures.
- F. Section 01 32 13: Construction Schedule.
- G. Section 01 50 00: Construction Facilities and Temporary Controls.

##### 1.03 ALLOWANCES

- A. Use the allowances only as authorized for Owner purposes and only by submitting a form that indicates the amounts to be charged to the respective allowance amount to the District Representative.
- B. District Representative and Architect will review Contractor's basis for its use of any Allowance costs included in Contract Sum as required, and prior to the execution of Work described in Allowances.
- C. At Substantial Completion of the Work or at any time designated by the District Representative, credit unused amounts remaining in the allowances to the Owner via Change Order.

##### 1.04 ALLOWANCE DISBURSEMENT

- A. Contractor shall submit a request for allowance disbursement to the District Representative. Include all substantiating and/or required data along with the request.
- B. The request shall have the requested amount listed as an allowance disbursement without Contractor overhead and markup.

#### PART 2 – PRODUCTS (Not Applicable)

#### PART 3 – EXECUTION

- 3.01 SCHEDULE OF ALLOWANCES – refer to the Division 0 bid documents for specific project allowances and amounts.

END OF SECTION 01 21 00

REQUEST FOR INFORMATION PROCEDURES

***Issued, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Procedure for requesting information of the intent of the Contract Documents.

1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 11 00: Summary of Work.
- D. Section 01 31 13: Project Coordination.
- E. Section 01 32 13: Construction Schedule.
- D. Section 01 77 00: Contract Closeout.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION

3.01 PROCEDURE

- A. Contractor shall utilize a web/cloud-based Construction Management Software platform, for creating and managing Requests for Information. Contractor shall be the keeper of the software, ensuring the most current RFIs are included and shall grant user access to the District's Representatives, Architect, Project Inspector, and others as requested. The software chosen shall be capable of collaboration and inclusive of containing the fields of information, at a minimum, shown in the sample in Appendix A.
- B. Architect response is a clarification of the intent of the Contract Documents and does not authorize changes in the Contract Amount, Milestones, and/or Contract Time.
- C. A Request for Information may be returned with a stamp or notation "Not Reviewed," if:
  - 1. The requested information is ambiguous or unclear.
  - 2. The requested information is equally available to the requesting party by researching and/or examining the Contract Documents.
  - 3. Contractor has not reviewed the Request for Information prior to submittal.
- D. Review Time: After receipt by Architect and District Representative, allow seven (7) calendar days for response time by Architect. Contractor shall verify and is responsible for verifying Architect and District Representative receipt of a Request for Information.
- E. Subcontractor-Initiated and Supplier-Initiated RFIs: RFIs from subcontractors and material suppliers shall be submitted through, be reviewed by and be attached to an RFI prepared, Signed and submitted by Contractor. RFIs submitted directly by subcontractors or material suppliers will be returned unanswered to the Contractor.
  - 1. Contractor shall review all subcontractor and supplier initiated RFIs and take actions to resolve issues of coordination, sequencing, and layout of the Work.
  - 2. RFIs submitted to request clarification of issues related to means, methods, techniques and sequences of construction or for establishing trade jurisdictions and scopes of

subcontracts will be returned without interpretation. Such issues are solely the Contractor's responsibility.

3. Contractor shall be responsible for delays resulting from the necessity to resubmit an RFI due to insufficient or incorrect information presented in the RFI.

- F. RFI Log: Contractor shall prepare and maintain a log of RFIs, and at any time requested by the Architect, Project Inspector, or District Representative, the Contractor shall furnish copies of the log showing all outstanding RFIs.

END OF SECTION 01 26 13

**APPENDIX A – Sample RFI Form**

**REQUEST FOR INFORMATION (RFI)**

Site Name:	_____	RFI Number:	_____
Project Name:	_____	Date:	_____
Contractor:	_____	Project No.:	_____
Issued To:	_____	DSA No.:	_____
(Architect)	_____	Contract No.:	_____

\_\_\_\_\_  
Drawing Number Detail

\_\_\_\_\_  
Drawing Page

\_\_\_\_\_  
Specification

SUBJECT: \_\_\_\_\_

Information Requested:

Suggested Course of Action:

Schedule Impact: ☐ YES ☐ NO      Cost Impact: ☐ YES ☐ NO

Request Issued By: \_\_\_\_\_  
*Contractor's Signature*      *Name (Printed)*      *Date*

Response:

Response Issued By: \_\_\_\_\_  
*Signature*      *Name (Printed)*      *Date*

Responses Reviewed By: \_\_\_\_\_  
*Architect's Signature*      *Name (Printed)*      *Date*

Proceeding with the Work in accordance with the above information indicates the Contractor's acknowledgement that there will be no change in the Contract Sum or Contract Time. If the Contractor considers that a change in Contract Sum or Contract Time is required, before proceeding with the work obtain authorization from the Owner by notifying the Owner and the Architect within five (5) working days and submit an itemized proposal within ten (10) days.

cc:

SECTION 01 29 73

SCHEDULE OF VALUES PROCEDURES

***Revised, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Procedure for submission a Schedule of Values for review and approval by the District Representative.

1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement
- C. Section 01 21 00: Allowances.
- D. Section 01 23 00: Alternates.
- E. Section 01 29 76: Progress Payment Procedures.
- F. Section 01 31 13: Project Coordination.
- G. Section 01 32 13: Construction Schedule.
- H. Section 01 32 29: Project Forms.
- I. Section 01 33 00: Submittal Procedures.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION

3.01 PREPARATION

- A. In accordance with the General Conditions and this Specification Section, Contractor shall commence preparation of a Schedule of Values on the form included in Section 01 32 29.
- B. Contractor shall coordinate the preparation of a Schedule of Values with preparation of the Construction Schedule as set forth in Section 01 32 13.
- C. Round amounts to the nearest whole dollar; the total shall equal the Contract Amount.
- D. Provide a breakdown of the Contract Amount in enough detail acceptable to District Representative to facilitate continued evaluation of Application for Payment and progress reports. Coordinate with the Project Manual table of contents and Schedule of Values form under Section 01 32 29. Provide breakdown of all subcontract amounts.
- E. Provide separate line items for items in the Schedule of Values for total installed value of that part of the Work.
- F. Provide separate line item for labor and material when applicable.
- G. Each item in the Schedule of Values and Applications for Payment shall be complete. Include total cost and proportionate share of general overhead and profit for each item except the amounts shown as separate line items as indicated under Schedule of Values form.
- H. Temporary facilities and other cost items that are not direct cost of actual work-in-place shall be shown as separate line items as indicated under Schedule of Values form.

- I. If at any time, District Representative determines, in its reasonable discretion, that the schedule of Values does not approximate the actual cost being incurred by Contractor to perform the Work, Contractor shall prepare, for District Representative approval, a revised Schedule of Values, which then shall be used as the basis for future progress payments. Without changing the Contract Amount, District Representative reserves the right to require Contractor:
  1. To increase or decrease amounts within the line items in the Schedule of Values; and,
  2. To conform the price breakdown to Owner accounting practice.

END OF SECTION 01 29 73



## SECTION 01 29 76

### PROGRESS PAYMENT PROCEDURES

***Issued, Addendum 02, 04/29/22***

#### PART 1 – GENERAL

##### 1.01 SECTION INCLUDES

- A. This Section specifies administrative and procedural requirements relative to an Application for Payment.
  - 1. Coordinate the Schedule of Values and Application for Payment with, but not limited to, the Construction Schedule, submittal log, and list of Subcontractors.

##### 1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 29 73: Schedule of Values Procedures.
- D. Section 01 32 13: Construction Schedule.
- E. Section 01 32 29: Project Forms.
- F. Section 01 77 00: Contract Closeout.

#### PART 2 – PRODUCTS (Not applicable)

#### PART 3 – EXECUTION

##### 3.01 APPLICATION FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as reviewed by Project Inspector, Architect, and District Representative. The following Applications for Payment involve additional requirements:
  - 1. The Initial Application for Payment
  - 2. The Final Application for Payment
- B. Payment Application Times: The period of Work covered by each Application for Payment is the payment date for each progress payment as specified in the General Conditions. The period covered by each Application for Payment is the previous month.
- C. Contractor shall submit a draft Application for Payment seven (7) days prior to the first of each month, to be reviewed by the Architect, District Representative, and Project Inspector.
- D. Payment Application Checklist: Use required form for the Application for Payment per Section 01 32 29.
- E. Application Preparation: Complete every entry on the form. Include execution by a person authorized to sign legal documents on behalf of Contractor.
- F. Transmittal: Submit an electronic copy of each Application for Payment to the District Representative for District to prepare for electronic signatures by all parties. All copies shall be complete, including releases, pay application checklist, and similar attachments.

- G. *Initial Application for Payment:* Administrative actions and submittals, that must precede or coincide with submittal for the first Application for Payment include, but are not limited to, the following:
1. Schedule of Values.
  2. Construction Schedule.
  3. Submittal Schedule.
  4. Emergency Contact List.
  5. Storm Water Pollution Prevention Plan (SWPPP).
  6. Waivers and Releases.
  7. Resume of Contractor's Project Manager, Job Site Superintendent, and Land Surveyor.
- H. *Applications for Payment:* Administrative actions and submittals that must precede or coincide with submittal of Progress Applications for Payment include, but are not limited to, the following:
1. Updated and current Project Record Drawings (as-built). Visual verification necessary only.
  2. Monthly Construction Schedule (updated, submitted and approved).
  3. Approved Schedule of Values.
  4. List of Subcontractors (Payments Summary).
  5. Storm Water Pollution Prevention Plan (SWPPP) – Site Monitoring Report, if applicable.
  6. Waste Management Progress Report.
  7. Waivers and Releases.
  8. Updated Submittal Schedule.
  9. Material invoices, evidence of equipment purchases, rentals, and other backup materials to support cost as requested by the District Representative.
- I. *Final Payment Application:* Administrative actions and submittals that must precede or coincide with submittal of the final Application for Payment include, but are not limited to, the following:
1. Project Inspector's sign-off and final approval of Project's DSA Form(s) 152.
  2. Contractor's submission of Contractor's Verified Report DSA Form 6-C.
  3. Completion of Contract Closeout requirements.
  4. Updated and Final As-Built drawings – in accordance with General Conditions.
  5. Completion and acceptance of final punch list items.
  6. Delivery of extra materials, products, and/or stock.
  7. Identification of unsettled claims.
  8. Proof that taxes, fees, and similar obligations are paid.
  9. Operating and maintenance instruction manuals.
  10. Consent of surety to final payment.
  11. Waivers and releases.
  12. Warranties, guarantees and maintenance agreements.
  13. Training.
  14. Removal of temporary facilities and services.
  15. Removal of surplus materials, rubbish, and similar elements.

16. Deductive items pursuant to the General Conditions.
  17. Completion and submission of all final change orders for the project.
  18. Disabled Veteran Business Enterprise (DVBE) Contractor close-out statement.
- J. Any payments made to Contractor where criteria set forth above have not been met shall not constitute a waiver of said criteria by District Representative. Instead, such payment shall be construed as a good faith effort by District Representative to resolve differences so Contractor may pay its Subcontractors and suppliers and that Contractor agrees that failure to submit such items may constitute a breach of contract by Contractor and may subject Contractor to termination.

END OF SECTION 01 29 76

PROJECT COORDINATION

***Issued, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. This Section specifies administrative and procedural requirements necessary for coordinating Work operations including, but not limited to, the following:
  - 1. General coordination procedures.
  - 2. Coordination drawings.

1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 31 19: Project Meetings.
- D. Section 01 32 13: Construction Schedule.
- E. Section 01 33 00: Submittal Procedures.
- F. Section 01 45 23: Testing and Inspection.
- G. Section 01 73 29: Cutting and Patching.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION

3.01 COORDINATION

- A. It is the Contractor's responsibility to coordinate the Work to minimize conflicts and optimize efficiency.
- B. Campus will remain occupied year-round.
- C. The placement of pipes, conduits, other materials, and the locations, size and reinforcement of holes in the building structure shall conform to the structural Drawings and Specifications. When the requirements of the Mechanical, Electrical or other sections of the Specifications or Drawings are in conflict with the structural requirements, the structural requirements shall take precedence. The Contractor shall take all precautions prior to coring into a building structure. The Contractor must notify the structural engineer and obtain written approval prior to completing any structural penetrations if the structural integrity of an existing building structure is compromised. Refer to section 01 73 29, Cutting and Patching.
- D. Verify that utility, and other building system requirement characteristics of operating equipment are compatible with existing utilities, and other existing building systems. Coordinate work of various Sections having interdependent responsibilities for installing, connecting to, and placing in service, such equipment.
- E. Contractor shall coordinate operations included in various sections of Contract Documents to assure efficient and orderly installation of each part of Work. Coordinate Work operations included under related sections of Contract Documents that depend on each other for proper installation, connection, and operation of Work, including but not limited to:

1. Schedule construction operations in sequence required where installation of one part of Work depends on installation of other components, before or after its own installation.
  2. Coordinate installation of different components to assure maximum accessibility for required maintenance, service, and repair.
  3. Provide provisions to accommodate items scheduled for later installation.
  4. Prepare and administer provisions for coordination drawings.
- F. Where necessary, prepare memoranda for distribution to each party involved, outlining special procedures required for coordination. Include such items as required in notices, reports, attendance at meetings, and:
1. Prepare similar memoranda for District Representative and Separate Work Contract where coordination of their Work is required.
- G. Administrative Procedures: Coordinate scheduling and timing of required administrative procedures with other construction activities to avoid conflicts and assure orderly progress of Work. Such administrative activities include, but are not limited to, the following:
1. Preparation of schedules.
  2. Installation, relocation, and removal of temporary facilities.
  3. Delivery and processing of submittals.
  4. Progress meetings.
  5. Project closeout activities.
- H. Conservation: Coordinate Work operations to assure operations are carried out with consideration given to conservation of energy, water, materials, and:
1. Salvage materials and equipment involved in performance of, but not actually incorporated into Work.
- I. Contractor shall provide advance notice (minimum of five (5) working days) to District Representative of any required electrical or HVAC shut down activities for the District to properly prepare for these activities and the down time that will occur.
- J. Contractor shall provide advance notice (minimum of five (5) working days) to District Representative of any required testing of active cabling for the District to properly prepare for these activities and the down time that will occur.

### 3.02 SUBMITTALS

- A. Coordination Drawings: Contractor shall prepare coordination drawings to coordinate the installation of products and materials fabricated, furnished and installed by separate entities, under different parts of the Contract. Contractor shall notify District Representative and Architect of all major conflicts in writing in a timely manner so that the design team can respond without construction delays.
- B. Coordination drawings shall address the following at a minimum:
1. Limitations in available space for installation or service. Contractor shall overlay plans of each trade and verify space requirements and conflicts between trades. Minor changes and adjustments that do not affect design intent shall be made by Contractor and shall be highlighted for Architect's review.
  2. Incompatibility between items provided under different trades (such as difference in voltage between equipment specified under Divisions 22 and 23 and electrical power provided under Division 26.)

3. Inconsistencies between drawings, specifications and codes (between trades and within each trade).
  4. Additional items required for existing facilities construction projects shall be designed and prepared from available as-built drawings that are verified through non-invasive and non-destructive, visual observation only. Contractor shall field verify actual existing conditions during and upon completion of demolition work and incorporate findings into preparation of coordination drawings. Minor changes and adjustments that do not affect design intent shall be made by Contractor and shall be highlighted for District Representative and Architect's reviews.
- C. Contractor and each Subcontractor shall provide and forward reproducible copies and AutoCAD or Revit drawing files in the order described here:
1. Structural shop drawings shall indicate location and sizes of columns, beams and other structural members, as well as wall, roof and slab penetrations, and will be provided to mechanical, electrical, low voltage and plumbing Sub-Contractors for coordination. Structural items shall be indicated using black lines.
  2. HVAC Subcontractor will indicate all ductwork, piping and equipment complete with installation and dimensioned service clearances, duct and pipe sizes, fitting types and sizes, top or bottom of duct and pipe elevations, distances of ducts, pipes and equipment from building reference points and hanger and support locations. Minor changes and adjustments that do not affect design intent shall be made by Subcontractor and shall be highlighted for District Representative and Architect's reviews. Forward drawings to plumbing Subcontractor for further coordination. HVAC items shall be indicated using orange lines.
  3. Plumbing Subcontractor will indicate all plumbing lines, and equipment complete with installation and dimensioned service clearances, pipe sizes, fitting types and sizes, top or bottom of pipe elevations, distances of pipes and equipment from building reference points and hanger/support locations Coordinate with HVAC Subcontractor. Minor changes and adjustments that do not affect design intent shall be made by Subcontractor and shall be highlighted for District Representative and Architect's reviews. Upon completion, drawings shall be forwarded to Fire Sprinkler Subcontractor for further coordination. All Plumbing items shall be indicated using blue lines.
  4. Fire sprinkler Subcontractor will indicate fire sprinkler piping and equipment complete with installation and dimensioned service clearances, pipe sizes, fitting types and sizes, top or bottom of pipe elevations, distances of pipes and equipment from building reference points and hanger or support locations. Coordinate with Plumbing and HVAC Subcontractors. Minor changes and adjustments that do not affect design intent shall be made by sub-Contractors and shall be highlighted for District Representative and Architect's reviews. Upon completion drawings shall be forwarded to Electrical Contractor for further coordination. Fire sprinkler equipment shall be indicated using red lines.
  5. Electrical and Low Voltage Subcontractors will indicate service and feeder conduit runs and other electrical equipment complete, including low voltage with installation and dimensioned service clearances, sizes, top or bottom of conduit and rack elevations, distances of conduits and equipment from building reference points and hanger and support locations. Coordinate with Fire Sprinkler, Plumbing and HVAC Subcontractors. Minor changes and adjustments that do not affect design intent shall be made by sub-Contractors and shall be highlighted for District Representative and Architect's reviews. Upon completion drawings shall be forwarded to Contractor for further coordination. Electrical work shall be indicated in dark green lines. Low voltage work shall be indicated in light green lines.

6. Contractor will be responsible for the overall coordination review. As each coordination drawing is completed, Contractor will meet with Architect and/or District Representative to review and resolve conflicts on coordination drawings.
7. Coordination meetings will be held in Project field office of Contractor. Contractor is required to distribute Shop Drawings, cut sheets and submittals to Subcontractors where appropriate. Reviewed coordination drawings will be maintained in Project field office of Contractor. Meeting minutes shall be developed by Contractor and submitted to District Representative within five (5) days.
8. All Contractors shall review and sign the final coordinated set of drawing(s) prior to construction of system(s) depicted in the drawing(s).

END OF SECTION 01 31 13

PROJECT MEETINGS

***Revised, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. This Section specifies administrative and procedural requirements for Project meetings, including but not limited to, the following:
  - 1. Preconstruction meeting.
  - 2. Pre-installation conferences.
  - 3. Progress meetings.
  - 4. Meetings as required by District Representative.

1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 12 16: Phasing of the Work.
- D. Section 01 31 13: Project Coordination.
- E. Section 01 32 13: Construction Schedule.
- F. Section 01 33 00: Submittal Procedures.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION

3.01 PRECONSTRUCTION MEETING

- A. District Representative will schedule a preconstruction meeting before starting the Work, at a time and date determined by District Representative. Meeting shall be held at the Project site or another location as determined by District Representative. Meeting will be held in order to review responsibilities, procedures, and other administrative requirements contained within the Contract Documents. Major trades may attend.
- B. Authorized representatives of District, Project Inspector, Architect, Contractor and other parties shall attend the meeting. All participants at the meeting shall be familiar with the Project and authorized to conclude matters relating to the Work.
- C. Agenda items shall include significant items which could affect progress of the Work, including, but not limited to the following:
  - 1. Identification of District Representative, key team members, and roles/responsibilities
  - 2. Preliminary Construction Schedule.
  - 3. Critical work sequencing and coordination of other work on campus.
  - 4. Designation of responsible personnel and emergency contacts.
  - 5. Procedures for processing field decisions.
  - 6. Request for Proposal.
  - 7. Request for Information.



8. Construction Change Directive, Construction Field Order, and Change Order.
  9. Procedures for processing Applications for Payment.
  10. Labor Compliance and Wage Determinations.
  11. Submittal and review of Shop Drawings, Product Data, Material Lists, Materials Procurement Log, and Samples.
  12. Preparation of project record documents.
  13. Use of the Project site and/or premises, staging plan, trucking routes, haul routes, etc.
  14. Parking availability.
  15. Office, work, and storage areas.
  16. Equipment deliveries and priorities.
  17. Safety procedures.
  18. Emergency response.
  19. First Aid.
  20. Security.
  21. Housekeeping.
  22. Working hours.
  23. Environmental Health and Safety / Import and Export Testing Requirements.
  24. Substantial Occupancy, Administrative Closeout and Contract Completion requirements and procedures.
  25. CEQA Compliance.
- D. District Representative shall prepare and issue meeting minutes to attendees and interested parties no later than three (3) calendar days after the meeting date.

### 3.02 PRE-INSTALLATION CONFERENCES

- A. Contractor shall coordinate and conduct pre-installation conferences at the Project site as required by related Sections of the Contract Documents.
- B. Contractor, manufacturers, and fabricators involved in or affected by the installation and its coordination or integration with other preceding and/or subsequent installations of Work shall attend the meeting. Contractor shall advise District Representative, Project Inspector, and Architect of scheduled meeting dates and provide an agenda 48 hours prior to meeting.
1. Contractor shall review the progress of construction activities and preparations for the particular activity under consideration at each pre-installation conference, including requirements for the following:
    - a. Contract Documents.
    - b. Options.
    - c. Related Construction Change Directives and Change Orders.
    - d. Purchases and Materials Procurement Log.
    - e. Deliveries.
    - f. Shop Drawings, Product Data, and quality-control samples.
    - g. Review of mockups.
    - h. Possible conflicts.

- i. Compatibility problems.
  - j. Time schedules and work sequence.
  - k. Weather limitations.
  - l. Manufacturer's recommendations.
  - m. Warranty requirements.
  - n. Compatibility of materials.
  - o. Acceptability of substrates.
  - p. Temporary facilities.
  - q. Space and access limitations.
  - r. Governing regulations.
  - s. Safety.
  - t. Inspecting and testing requirements.
  - u. Required performance results.
  - v. Recording requirements.
  - w. Protection.
2. Contractor shall record significant discussions and directives received from each conference. Contractor shall, within three (3) calendar days after the meeting date, distribute the minutes of the meeting to all concerned parties, including but not limited to, District Representative, Project Inspector, and Architect.

### 3.03 PROGRESS MEETINGS

- A. Progress meetings will be held at the Project site at regular intervals, typically weekly, as determined by the District Representative.
- B. In addition to representatives of Contractor, District Representative, Project Inspector, and Architect, each Subcontractor, supplier, or other entity concerned with current progress or involved in planning, coordination, or performance of the Work shall, if requested by District Representative, be represented at these meetings. All participants at the meeting shall be familiar with the Project and authorized to conclude all matters relating to the Work.
- C. Failure of Contractor to be so represented at any progress meeting which is held at a mutually agreed time or for which a written notice is given, shall not relieve Contractor from abiding by any and all District Representative determinations or directives issued at such meeting.
- D. District Representative will review and correct or approve minutes of the previous progress meeting and will review other significant items affecting progress. Topics for discussion as appropriate to the status of the Project include but are not limited to:
  - 1. Safety
  - 2. DSA Field Engineer notes.
  - 3. Interface requirements.
  - 4. Construction Schedule.
  - 5. Sequence and coordination.
  - 6. Status of submittals / RFIs.
  - 7. Deliveries.
  - 8. Off-site fabrication and Materials Procurement Log.
  - 9. Access.
  - 10. Site utilization.

11. Temporary Construction Facilities and Controls.
  12. Hours of work.
  13. Hazards and risks.
  14. Housekeeping.
  15. Quality of materials, fabrication, and execution.
  16. Unforeseen conditions.
  17. Testing and Inspection.
  18. Defective Work.
  19. Construction Change Directive.
  20. Construction Field Order.
  21. Request for Proposal.
  22. Change Order Proposals and Change Orders.
  23. Documentation of information for payment requests.
  24. Application for Payment.
  25. Other items as required or as brought forth.
  26. Initial Notice of Start of Issue.
  27. Final Notice of End of Issue.
  28. Storm Water Pollution Prevention Plan.
  29. CEQA Compliance.
- A. No later than three (3) calendar days after each progress meeting, District Representative will prepare and distribute minutes of the meeting to each present and absent party. Include a brief summary, in narrative form, of progress, decisions, directives, actions taken, and all other issues since the previous meeting and report.
1. Schedule Updating: Contractor shall revise the Construction Schedule after each progress meeting where revisions to the schedule have been made or recognized, and issue the revised schedule at the next scheduled progress meeting.

#### 3.04 ADDITIONAL MEETINGS

- A. District Representative, upon giving notice to the intended parties and without further obligation, may require additional meetings to discuss Work and/or Project related activities.

END OF SECTION 01 31 19

**APPLICATION AND CERTIFICATE FOR PAYMENT****PAYMENT APPLICATION NO.** XX

**OWNER** North Orange County Community College District  
1830 W. Romneya Drive  
Anaheim, CA 92801

**PROJECT** Fine Arts Swing Space  
9200 Valley View St, Cypress, CA 90630

**ARCHITECT** DLR Group  
700 South Flower St, 22nd Flr  
Los Angeles, CA 90017

**ATTENTION** Name

**FROM** Contractor Firm Name  
Contractor Address  
Contractor Address

**CM** Sundt Construction  
41 Corporate Park, Suite 310  
Irvine, CA 92606

**APPLICATION DATE** 1/0/1900  
NOCCCD PROJECT No. 1116  
PURCHASE ORDER No. P0  
DSA Application No. A-04 120540  
**PERIOD STARTING DATE** 1/0/1900  
**PERIOD ENDING DATE** 1/0/1900  
DIR Project No.  
DIR Contractor Registration No.

**CONTRACTOR'S APPLICATION FOR PAYMENT**

CHANGE ORDER SUMMARY	
Total Changes approved in previous months by District	\$0.00
Total Changes approved this month	\$0.00
<b>NET CHANGES by CHANGE ORDERS</b>	<b>\$0.00</b>

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information, and belief, the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for work for which previous Certificates for Payment were issued and payments received from the Owner, all change orders approved by the Board of Trustees, and that current payment shown herein is now due. The Contractor further certifies that this payment will be used to pay all just and lawful bills against the undersigned for labor, materials, and expendable equipment employed in the performance of the indicated contract. This Certificate is not negotiable. The CURRENT PAYMENT DUE is payable only to the Contractor named herein. Issuance, payment, and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

**PRIME CONTRACTOR:**

By: \_\_\_\_\_  
Name: \_\_\_\_\_ Date \_\_\_\_\_  
Title: \_\_\_\_\_

Application for payment is made in connection with the Contract, as shown below.

Continuation Form is attached. The present status of the amount of this contract is as follows:

<b>1. ORIGINAL CONTRACT SUM</b>	\$ 0.00
<b>2. NET CHANGES by CHANGE ORDERS</b>	\$ 0.00
<b>3. CONTRACT SUM TO DATE</b> (Line 1 +/- Line 2)	\$ 0.00
<b>4. TOTAL COMPLETED &amp; STORED TO DATE</b> (Column G from Continuation Form)	\$ 0.00
<b>5. RETAINAGE:</b>	
a. 5 % of Completed Work	\$ -
(Column D + Column E on Summary Form)	
b. 5 % of Stored Material	\$ -
(Column F on Summary Form)	
TOTAL RETAINAGE (Lines 5a + 5b or Total in Column I on Summary Form)	\$ 0.00
<b>6. TOTAL EARNED LESS RETAINAGE</b>	\$ 0.00
(Line 4 Less Line 5 Total)	
<b>7. LESS PREVIOUS CERTIFICATES FOR PAYMENT</b> (Line 6 from prior Certificate)	\$ 0.00
<b>8. CURRENT PAYMENT DUE</b> (Line 6 Less Line 7)	\$ 0.00
<b>9. BALANCE TO FINISH, INCLUDING RETAINAGE</b>	\$ 0.00
(Line 3 Less Line 6)	

**APPROVED FOR PAYMENT:**

By: \_\_\_\_\_  
**CONSTRUCTION MANAGER** (Kevin Smith) Date \_\_\_\_\_

By: \_\_\_\_\_  
**PROJECT INSPECTOR OF RECORD** (Name) Date \_\_\_\_\_

By: \_\_\_\_\_  
**PROJECT ARCHITECT OF RECORD** (Ann Knudsen) Date \_\_\_\_\_

By: \_\_\_\_\_  
**CAMPUS PROJECT MANAGER** (Allison Coburn) Date \_\_\_\_\_

By: \_\_\_\_\_  
**BOND FINANCE MANAGER** (Irina Thornton) Date \_\_\_\_\_

By: \_\_\_\_\_  
**BOND PROGRAM MANAGER** (Eduardo Escobedo) Date \_\_\_\_\_

By: \_\_\_\_\_  
**DIST. DIR. FACILITIES PLANNING** (Richard Williams) Date \_\_\_\_\_

**CONTRACT SUMMARY**

PROJECT NAME: Fine Arts Swing Space

APPLICATION #

XX

PERIOD STARTING FROM:

1/0/1900

PERIOD ENDING TO:

1/0/1900

PO # P0

CONTRACTOR: Contractor Firm Name

A.	B.	C.			D.	E.	F.	G.		H.	I.
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	C1	C2	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
			TRANSFERS	REVISED SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD					
1	CONTRACT SUBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
2	ALLOWANCES SUBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
3	CONTRACT TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
6	CHANGE ORDERS SUBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
7	REVISED CONTRACT TOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -

SCHEDULE OF VALUES

APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's Signed Certification  
Use Column I on Contracts where variable retainage for the line items may apply.

PROJECT NAME: Fine Arts Swing Space

APPLICATION # XX  
PERIOD STARTING FROM: 1/0/1900  
PERIOD ENDING TO: 1/0/1900  
PO # P0

CONTRACTOR: Contractor Firm Name

A.	B.	C.			D.	E.	F.	G.		H.	I.
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	C1	C2	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
			TRANSFERS	REVISED SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD					
1		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
2		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
3		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
4		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
5		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
6		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
7		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
8		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
9		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
10		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
11		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
12		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
13		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
14		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
15		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
16		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
17		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
18		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
19		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
20		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
	CONTRACT SUBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -

ALLOWANCES AND CONSTRUCTION CONTINGENCY

APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's Signed Certification  
Use Column I on Contracts where variable retainage for the line items may apply.

PROJECT NAME: Fine Arts Swing Space

APPLICATION # XX  
PERIOD STARTING FROM: 1/0/1900  
PERIOD ENDING TO: 1/0/1900  
PO # P0

CONTRACTOR: Contractor Firm Name

A.	B.	C.			D.	E.	F.	G.		H.	I.
ALLW / CC NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	C1	C2	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
			TRANSFERS	REVISED SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD					
B1		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B2		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B3		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B4		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B5		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B6		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B7		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B8		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B9		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B10		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B11		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B12		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B13		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B14		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B15		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B16		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B17		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B18		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B19		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
B20		\$ -	\$ -	\$ -	\$ -	\$ -		\$ -	#DIV/0!	\$ -	\$ -
	ALLOWANCES SUBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -	

CHANGE ORDERS

APPLICATION AND CERTIFICATE FOR PAYMENT, containing Contractor's Signed Certification  
Use Column I on Contracts where variable retainage for the line items may apply.

PROJECT NAME: Fine Arts Swing Space

APPLICATION # XX  
PERIOD STARTING FROM: 1/0/1900  
PERIOD ENDING TO: 1/0/1900  
PO # P0

CONTRACTOR: Contractor Firm Name

A.	B.	C.			D.	E.	F.	G.		H.	I.
COR NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	C1	C2	WORK COMPLETED		MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
			TRANSFERS	REVISED SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD					
COR1		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR2		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR3		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR4		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR5		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR6		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR7		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR8		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR9		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR10		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR11		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR12		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR13		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR14		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR15		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR16		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR17		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR18		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR19		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
COR20		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -
	CHANGE ORDERS SUBTOTAL	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	#DIV/0!	\$ -	\$ -



## Instructions for Entering Data in NOCCCD Approved Application & Certificate for Progress Payment

### Initial Set-up - Save and only do once

#### On the first Excel Tab (Application & Certificate for Progress Payment)

- 1 Enter Contractor Name, Address, City/State/Zip in cells **B9, B10, & B11**
- 2 Enter the Project Name in cell **F3** and Project Address in **F4**
- 3 Enter the name & Address of the Architect or Engineer in cell **F6, F7, & F8**
- 4 Enter the name & Address of the Construction Manager (CM Firm) in cell **F10, F11, & F12 if applicable**
- 5 Edit cell **C12** with the Bid Package Number and description
- 6 Enter the NOCCCD Project Number in cell **O3**. This will be provided to you by MAAS or Campus PM
- 7 Enter NOCCCD purchase order number in cell **O4**.
- 8 Enter the Project's DSA Application Number number in cell **O5**.
- 9 Enter the Department of Industrial Relations (DIR) project number in cell **O8**
- 10 Enter contractor's DIR registration number in cell **O9**
- 11 Enter the contracted amount as shown in the signed purchase order in cell **O17**
- 11 Populate the Schedule of Values, Alternates, Allowances & Construction Contingency tabs in accordance with the draft reviewed and approved by the project PM and CM
- 12 Review and verify all pages are correct and totals calculate and transfer properly

### Monthly Billing

#### On the first Excel Tab (Application & Certificate for Progress Payment)

- 1 Enter the Payment Application number in cell **O1**. The number *must be in sequential and consecutive order*.
  - 2 Enter actual application date matching unconditional waiver signature date in cell **O2**.
  - 3 Enter PERIOD FROM date in cell **O6**. The date will always be the beginning of the calendar month after the previous billing pay application - even if there have been months of no billings submitted.
  - 4 Enter PERIOD END date in cell **O7**. Will always be the last calendar day of the month being billed. Only materials and labor through the last day of that calendar month can be billed. No forecasting is allowed beyond that last calendar day.
  - 4 In cell **O32**, Enter the Net Payment Amount from the previous monthly billing application. (Line 6 from prior Application & Certification for Progress Payment.)
  - 5 If there were approved change order amounts on the previous pay application, net the total dollar amount from the previous month's change order section and enter the value in cell **E16**.
  - 6 If there are new change orders approved in the current month, enter the net dollar amounts on the current month's change order section; **enter the value in cell E17**.
- #### On the third & following Excel Tabs (Schedule of Values-Continuation Form)
- 7 From the previous pay application (if applicable) transfer the Column G-Total Completed & Stored To Date dollar amounts into Column D-Work Completed on Previous Application.
  - 8 Clear any amounts in Column E. Clear amounts in Column F of any previous application amounts and only enter new dollar amounts of Stored Materials requesting to be billed on the current billing.
  - 9 On each line of the Schedule of Values, in Column E, enter in the amount to be billed as agreed by CM, PM, and the Project Inspector (PI) for the project. The Total Completed to date will update automatically and so will the percent complete and retention column.
  - 10 Enter any new and Board approved change orders folloing the same steps described above in the Change Orders tab. Change orders may only be billed after they are approved by the NOCCCD Board of Trustees. In the Description of Work include the Board Approval Date for the Change Order
  - 11 DO NOT transfer funds from Alternates, Allowances & Construction Contingency, or Change Orders tabs to the Schedule of Values. All cost categories are to be lacked separately dor the duration of the project. If there is a need to transfer funds, please refer to the General Conditions established process and receiver PM and CM authorization in conjunction with MAAS
  - 12 Review both pages for complete details and accuracy in formula calculation and transfers.
  - 13 Submit Draft Payment Application via email to the Campus Project Manager, AOR, and IOR for review
  - 14 Submit Final Payment Application via email to the Campus Project Manager and to invoices.nocccd@maasco.com for electronic signatures using DocuSign SIGNATORIES TO RECEIVE COPY ONCE EXECUTED
  - 15 Notarization and "wet" copies of the payment applications are not required



## NORTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT

# CONDITIONAL WAIVER & RELEASE ON PROGRESS PAYMENT

NOTICE: THIS DOCUMENT WAIVES THE CLAIMANT (VENDOR) LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS EFFECTIVE ON RECEIPT OF PAYMENT, A PERSON SHOULD NOT RELY ON THIS DOCUMENT UNLESS SATISFIED THAT THE CLAIMANT (VENDOR) HAS RECEIVED PAYMENT

### Identifying Information

Contract/PO/Task Order #: \_\_\_\_\_  
Name of Claimant (Vendor): \_\_\_\_\_  
Name of Customer: \_\_\_\_\_  
Job Location: \_\_\_\_\_  
Owner: \_\_\_\_\_  
Through Date: \_\_\_\_\_

### Conditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant (vendor) has for labor and service provided, and equivalent and material delivered, to the customer on this job through the **Through Date** of this document. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant (vendor), are waived and released by this document unless listed as an Exception below. This document is effective only on the claimant (vendor) receipt of payment from the financial institution on which the following check is drawn:

Maker of Check: \_\_\_\_\_  
Amount of Check: \_\_\_\_\_  
Check Payable to: \_\_\_\_\_

### Exceptions: This document does not effect any of the following:

1. Retentions
2. Extras for which the claimant (vendor) has not received payment
3. The following progress payment for which the claimant (vendor) has previously given a conditional waiver and release but has not received payment:
  - 3.i Date(s) of Waivers & Release \_\_\_\_\_
  - 3.ii Amount(s) of Unpaid Progress Payment(s) \_\_\_\_\_
4. Contract rights, including (A) a right based on rescission, abandonment, or breach of contract, and (B) the right to recover compensation for work not compensated by the payment.

### Signature

Claimant (Vendor) Signature \_\_\_\_\_  
Claimant (Vendor) Title: \_\_\_\_\_  
Date of Signature: \_\_\_\_\_



## NORTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT

# CONDITIONAL WAIVER & RELEASE ON FINAL PAYMENT

NOTICE: THIS DOCUMENT WAIVES THE CLAIMANT (VENDOR) LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS EFFECTIVE ON RECEIPT OF PAYMENT. A PERSON SHOULD NOT RELY ON THIS DOCUMENT UNLESS SATISFIED THAT THE CLAIMANT (VENDOR) HAS RECEIVED PAYMENT

### Identifying Information

Name of Claimant (Vendor):

Name of Customer:

Job Location:

Owner:

### Conditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant (vendor) has for labor and service provided, and equivalent and material delivered, to the customer on this job. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant (vendor), are waived and released by this document unless listed as an Exception below. This document is effective only on the claimant (vendor) receipt of payment from the financial institution on which the following check is drawn:

Maker of Check:

Amount of Check:

Check Payable to:

### Exceptions:

This document does not affect any of the following:

Disputed Claims for extras in the amount of:

### Signature

Claimant (Vendor) Signature

Claimant (Vendor) Title:

Date of Signature:



## NORTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT

# UNCONDITIONAL WAIVER & RELEASE ON PROGRESS PAYMENT

NOTICE TO CLAIMANT (VENDOR): THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID BY NOCCCD FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM F-06A Conditional Waiver and Release on Progress Payment

### Identifying Information

Contract/PO/Task Order #: \_\_\_\_\_  
Name of Claimant (Vendor): \_\_\_\_\_  
Name of Customer: \_\_\_\_\_  
Job Location: \_\_\_\_\_  
Owner: \_\_\_\_\_  
Through Date: \_\_\_\_\_

### Unconditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant (vendor) has for labor and service provided, and equipment and material delivered, to the customer on this job through the Through Date of this document. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant (vendor), are waived and released by this document, unless listed as an Exception below.

The claimant (vendor) has received the following progress payment

\_\_\_\_\_

### Exceptions: This document does not effect any of the following:

1. Retentions
2. Extras for which the claimant (Vendor) has not received payment
3. Contract rights, including (A) a right based on rescission, abandonment, or breach of contract, and (B) the right to recover compensation for work not compensated by the payment.

### Signature

Claimant (Vendor) Signature \_\_\_\_\_  
Claimant (Vendor) Title: \_\_\_\_\_  
Date of Signature: \_\_\_\_\_



## NORTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT

# UNCONDITIONAL WAIVER & RELEASE ON FINAL PAYMENT

NOTICE TO CLAIMANT (VENDOR): THIS DOCUMENT WAIVES AND RELEASES LIEN, STOP PAYMENT NOTICE, AND PAYMENT BOND RIGHTS UNCONDITIONALLY AND STATES THAT YOU HAVE BEEN PAID BY NOCCCD FOR GIVING UP THOSE RIGHTS. THIS DOCUMENT IS ENFORCEABLE AGAINST YOU IF YOU SIGN IT, EVEN IF YOU HAVE NOT BEEN PAID. IF YOU HAVE NOT BEEN PAID, USE A CONDITIONAL WAIVER AND RELEASE FORM F-06B Conditional Waiver and Release on Final Payment.

### Identifying Information

Name of Claimant (Vendor): \_\_\_\_\_  
Name of Customer: \_\_\_\_\_  
Job Location: \_\_\_\_\_  
Owner: \_\_\_\_\_

### Unconditional Waiver and Release

This document waives and releases lien, stop payment notice, and payment bond rights the claimant (vendor) has for labor and service provided, and equipment and material delivered, to the customer on this job through the Through Date of this document. Rights based upon labor or service provided, or equipment or material delivered, pursuant to a written change order that has been fully executed by the parties prior to the date that this document is signed by the claimant (vendor), are waived and released by this document, unless listed as an Exception below. The claimant (vendor) has been paid in full.

The claimant (vendor) has received the following progress payments:

\_\_\_\_\_

### Exceptions:

This document does not affect any of the following:

\_\_\_\_\_

Disputed Claims for extras in the amount of: \_\_\_\_\_

### Signature

Claimant (Vendor) Signature \_\_\_\_\_  
Claimant (Vendor) Title: \_\_\_\_\_  
Date of Signature: \_\_\_\_\_



## North Orange County Community College District

### REQUEST FOR PAYMENT FOR MATERIALS ON HAND ESTIMATE NO. \_\_\_\_\_

PROJECT \_\_\_\_\_ PROJECT NO. \_\_\_\_\_

CAMPUS \_\_\_\_\_ PURCHASE ORDER NO. \_\_\_\_\_

CONTRACTOR \_\_\_\_\_ INSPECTOR OF RECORD \_\_\_\_\_

CONTRACT AWARD AMOUNT: \$ \_\_\_\_\_ AMOUNT PAID TO DATE: \$ \_\_\_\_\_

REQUEST TOTAL AMOUNT: \$ \_\_\_\_\_ AMOUNT TO BE PAID PER GENERAL CONDITIONS: \$ \_\_\_\_\_

In accordance with the provisions of the Contract General Conditions, a partial payment request is made on a **maximum of 90%** of the verified supplier-invoiced amount and CM-purchased acceptable materials delivered to the Site or stored. Any materials stored off-site must be in a "Bonded" warehouse. Materials must contain labels specifically identifying the types and quantities stored, with corresponding approved submittal and/or Specification section of the approved Construction Documents. The request is made for payment of materials on hand for the following materials:

ITEM SUBMITTAL NUMBER	QUANTITY	DESCRIPTION OF MATERIAL STORED	VALUE	STORED AT



## North Orange County Community College District

**Affidavit:** The materials listed above have been purchased exclusively for use on the above-referenced project. The material is separated from the other like materials and is physically identified as our property for use only on the subject contract. The District and/or Inspector-of-Record (IOR) may enter upon the premises for the purposes set forth in the Contract General Conditions of the contract for inspection, checking or auditing, or for any other purpose as you consider necessary. It is expressly understood and agreed that this information and affidavit is furnished to the District for the purpose of obtaining payment for the above materials before they are delivered to, or incorporated into, the project described above, and that the storage thereof at the location shown is a Bonded facility.

---

(Verified) Inspector

---

Date

---

Contractor

---

Date

---

Campus Project Manager

---

Date





**North Orange County Community College District**

**DSA No. A 04-xxxxxx**

Contract No. 0

Contract for: \_\_\_\_\_

Ticket No. : 0

**EQUIPMENT**

Description (Specify Make and Model)	Rented/Owned	Quantity	Rate	Unit	Total
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
			\$ -		\$ -
EQUIPMENT COST TOTAL					\$ -

**Remarks / Comments:**


**CMAR** : Submittted by Trade Contractor, Confirmed by Construction Manager, Confirmed by Inspector-of-Record

**Design-Bid-Build (DBB)** : Submittted by General Contractor, Confirmed by Inspector-of-Record

**Design-Build (DB)** : Submittted by General Contractor, Confirmed by Inspector-of-Record

\_\_\_\_\_  
Submitted by - Print Name & Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Confirmed by - Print Name & Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Confirmed by Inspector-of-Record - Print Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Approved by Project Manager - Print Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Richard Williams**

\_\_\_\_\_  
Approved by District Director Facilities Planning & Construction

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**Instructions regarding Form:**

1. General:
  - a. Attach proposed Recycling and Waste Bin Location Plan.
  - b. Attach name and contact data for each recycling or disposal destination to be used.
2. Column 1: "Material Types" – Enter types of materials targeted for recycling, reuse, and/or salvage, either on or off-site, and include a category for waste materials requiring disposal.
3. Columns 2 – 4: "Estimated Generation" – Enter estimated quantities (tons) of recyclable, reusable, or salvageable waste materials anticipated to be generated and state number of salvageable items.
4. Column 5: "Estimated Landfill" – Enter quantities (tons) of materials to be disposed in landfill.
5. Column 6: "Disposal Location" – Enter end-destination of recycled, salvaged, and disposed materials.

**(DELETE TEXT BOX BEFORE PROVIDING TO DISTRICT REPRESENTATIVE)**

### CONSTRUCTION WASTE MANAGEMENT PLAN

PROJECT NAME:

---

PROJECT SITE ADDRESS:

---

PROJECT NO:

---

NAME OF COMPANY:

---

CONTACT PERSON:

---

TELEPHONE:

---

PROJECT TYPE:

☐ NEW CONSTRUCTION      ☐ DEMOLITION  
☐ RENOVATION / ALTERATION PROJECTS

PROJECT SIZE (SQ. FT.):

---

DATE & ESTIMATED PERIOD:

---

(1) Material Type	(2) Tons Estimated Recycle	(3) Tons Estimated Reuse	(4) Tons Estimated Salvage	(5) Tons Estimated Landfill	(6) Proposed Disposal or Recycling Facility (e.g., Onsite, Name of Facility)
<b>Total</b>					
<b>Diversion Rate: Columns [(2)+(3)+(4)] / [(2)+(3)+(4)+(5)]</b>					<b>=</b>

Signature	Title	Date
-----------	-------	------

Instructions regarding Form:

1. General:
  - a. Attach proposed Recycling and Waste Bin Location Plan.
  - b. Attach name and contact data for each recycling or disposal destination to be used.
2. Column 1: "Material Types" – Enter types of materials targeted for recycling, reuse, and/or salvage, either on or off-site, and include a category for waste materials requiring disposal.
3. Columns 2 – 4: "Estimated Generation" – Enter estimated quantities (tons) of recyclable, reusable, or salvageable waste materials anticipated to be generated and state number of salvageable items.
4. Column 5: "Estimated Landfill" – Enter quantities (tons) of materials to be disposed in landfill.
5. Column 6: "Disposal Location" – Enter end-destination of recycled, salvaged, and disposed materials.

(DELETE TEXT BOX BEFORE PROVIDING TO DISTRICT REPRESENTATIVE)

**CONSTRUCTION WASTE MANAGEMENT PROGRESS REPORT**

PROJECT NAME: \_\_\_\_\_

PROJECT SITE ADDRESS: \_\_\_\_\_

PROJECT NO: \_\_\_\_\_

NAME OF COMPANY: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

PROJECT TYPE: ☐ NEW CONSTRUCTION ☐ DEMOLITION  
☐ RENOVATION / ALTERATION PROJECTS

PROJECT SIZE (SQ. FT.): \_\_\_\_\_

PERIOD: \_\_\_\_\_

(1) Material Type	(2) Tons Actual Recycle	(3) Tons Actual Reuse	(4) Tons Actual Salvage	(5) Tons Actual Landfill	(6) Disposal or Recycling Facility (e.g., Onsite, Name of Facility)
<b>Total</b>					
<b>Diversion Rate: Columns [(2)+(3)+(4)] / [(2)+(3)+(4)+(5)]</b>					<b>=</b>

Signature	Title	Date
-----------	-------	------

## REQUEST FOR IMPORT MATERIALS TESTING FORM

Date:	
Project Name:	
RSCCD Project No.:	
Contractor:	
School Site Receiving Import (Name and Address):	

### **Location of Soil Borrow Site**

Borrow Site Address:	
Borrow Site City:	
Major Cross Streets:	

### **Soil Owner Information**

Soil Owner Name:	
Contact Name:	
Contact Phone Number:	

### **Site History**

Describe Current Site Use:	
Describe Site History:	
Available Environmental Documents:	

### **Borrow Soil Description**

Material Type:	<input type="checkbox"/> Fill Soil	
	<input type="checkbox"/> Other:	
Import Soil Volume:		(Tonnage)
If in place material, depth and acres of excavation:		
<input type="checkbox"/> Only portion of material is available or <input type="checkbox"/> All required material is available	<input type="checkbox"/> Stockpile or <input type="checkbox"/> In Place	
Materials already on Import Site?	<input type="checkbox"/> Yes <input type="checkbox"/> No	

### **Schedule**

Date and time when results are needed:	
Date formal report is needed:	

### **Comments:**

--

Note: Requests for testing at District pre-tested sites must be received four (4) weeks in advance of material being needed on site. Requests for non-pre-tested sites must be received eight (8) weeks in advance of material being needed on site.



# NORTH ORANGE COUNTY COMMUNITY COLLEGE DISTRICT

## CERTIFICATE OF SUBSTANTIAL COMPLETION

SUBSTANTIALCOMPLETION DATE:		DSA FILE NO.:	
COLLEGE:		DSA APPLICATION NO.:	
PROJECT NAME:		FINANCIAL PROJECT NO.:	
CONTRACTOR:		CONTRACT VALUE TO DATE:	
CONTRACT NO.:		CONTRACT DATE:	

- ☐ This Certificate of Substantial Completion applies to **all work** under the Contract Documents
- ☐ This Certificate of Substantial Completion applies to **the following specified parts** of the Contract Documents

--

The work performed under the above referenced Contract has been reviewed and found, to the College Project Manager and Design Consultants's best knowledge, information, and belief, to be "Substantially Completed" (as defined in the contract). The date of Substantial Completion of the Project or portion there of is hereby established as

\_\_\_\_\_, 20\_\_\_\_

- ☐ The Final Completion Punch List is attached hereto.
- ☐ The Final Completion Punch List is not applicable.

This list may not be all inclusive and the failure to include an item on such list does not alter the responsibility of the Contractor to complete all work in accordance with the Contract Documents. Such Work shall be completed or corrected to the satisfaction of the District within number of days provided in the Contract for the Final Punchlist Completion.

This certificated does not constitute an acceptance of Work not in accordance with the Contract Documents nor is it a release of the Contractor's obligation to complete the Work in accordance with the Contract Documents.

<div></div> <div>College Project Manager (PRINT NAME)</div>	<div></div> <div>PLEASE SIGN</div>	<div></div> <div>DATE</div>
<div></div> <div>Design Consultant Rep/Design Firm (PRINT NAMES)</div>	<div></div> <div>PLEASE SIGN</div>	<div></div> <div>DATE</div>
<div></div> <div>Contractor Rep/Contractor Firm(PRINT NAMES)</div>	<div></div> <div>PLEASE SIGN</div>	<div></div> <div>DATE</div>
<div></div> <div>VP - Administrative Services/Dean (PRINT NAME)</div>	<div></div> <div>PLEASE SIGN</div>	<div></div> <div>DATE</div>
<div></div> <div>Bond Program Manager (PRINT NAME)</div>	<div></div> <div>PLEASE SIGN</div>	<div></div> <div>DATE</div>
<div>Richard Williams</div> <div>District Director - Facilites Planning &amp; Construction</div>	<div></div> <div>PLEASE SIGN</div>	<div></div> <div>DATE</div>

## WARRANTY GUARANTEE FORM

Project Name: \_\_\_\_\_ Project No. \_\_\_\_\_  
Location: \_\_\_\_\_ Bid No.: \_\_\_\_\_

The following is a warranty and guarantee by the undersigned for the work which has been completed/installed at

Capitalized terms not defined herein shall have the meanings assigned to them in the Contract Documents applicable to the Warranted Work at the time it was furnished and installed at the Project.

The undersigned hereby warrants and guarantees that (1) the Warranted Work (including, without limitation, all pieces and parts thereof that are incorporated into the Warranted Work), unless otherwise expressly permitted or required by the Contract Documents, is of first-class quality and new; and (2) the Warranted Work conforms with the requirements of the Contract Documents and Applicable Laws; and (3) the Warranted Work is and will remain free of defects appearing within a period of years from FINAL COMPLETION as defined in the Contract; ordinary wear and tear and unusual abuse or neglect excepted.

SYSTEM OR ITEM	WARRANTY DURATION (YEARS)

In the event of the Warranted Work is found not in compliance with the terms of this warranty, then the District shall have the right, after expiration of a reasonable period of time (not later than seven (7) calendar days) following mailing by regular mail of notification by the District to the undersigned as its last known or reputed address, to proceed to have the Warranted Work repair, replace or otherwise made good, to whatever extent necessary, to make the Warranted Work comply with its terms of this warranty.

The responsibility of the undersigned under this warranty includes, without limitation, replacement, removal and repair not only of the Warranted Work, but also of related or adjoining portions of work, equipment, materials or property as necessary to provide access for correction of the Warranted Work, as well as any other loss or damage (including, without limitation, economic loss) resulting directly or indirectly to District from the failure of the Warranted Work to comply with the terms of this warranty. All costs, expenses, damages and other losses to District due to the failure of the Warranted Work to comply with the terms of this warranty shall be deemed to be expenses of undersigned and shall be paid by the undersigned to the District upon demand.

_____ Print-Subcontractor or Supplier (Company Name)	_____ Signature of Subcontractor or Supplier	_____ Date
_____ Print-General Contractor (Company Name)	_____ Signature of General Contractor	_____ Date

### Representative(s) to be contacted for service:

First and Last Name of Representative: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
Email Address: \_\_\_\_\_ Contact Number: \_\_\_\_\_

SECTION 01 33 00  
SUBMITTAL PROCEDURES

***Revised, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Administrative and procedural requirements for submittals required for the Work, including but not limited to; Shop Drawings, Product Data, Samples, material lists, and quality control items as required by the Contract Documents.
- B. Wherever possible, throughout the Contract Documents, the minimum acceptable quality of workmanship and products has been defined by the name and catalog number of a manufacturer and by reference of recognized industry standards.
- C. To ensure that specified products are furnished and installed in accordance with the design intent, Facility Design Standards and procedures have been established for submittal of design data and for its review by District Representative, Architect, and/or others.

1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement
- C. Section 01 12 16: Phasing of the Work.
- D. Section 01 29 73: Schedule of Values.
- E. Section 01 29 76: Progress Payment Procedures.
- F. Section 01 31 13: Project Coordination.
- G. Section 01 32 13: Construction Schedule.
- H. Section 01 45 23: Testing and Inspection.
- I. Section 01 50 00: Construction Facilities and Temporary Controls.
- J. Section 01 60 00: Project Requirements and Substitution Procedures.
- K. Division 2 through Division 32.

PART 2 – PRODUCTS (Not applicable)

PART 3 – EXECUTION

3.01 GENERAL REQUIREMENTS AND PROCEDURES

- A. Contractor shall utilize a web/cloud-based Construction Management Software platform, for creating and managing Submittals. Contractor shall be the keeper of the software, ensuring the most current Submittals are included and shall grant user access to the District's Representatives, Architect, Project Inspector, and others as requested. The software chosen shall be capable of collaboration and inclusive of containing the fields of information indicated in this specification at

a minimum. Contractor shall package each submittal appropriately for transmittal and handling and will then send Architect and District Representative submittal for review per the Project plans and specifications. Submittals will not be accepted from sources other than from Contractor.

1. All data active infrastructure and structured cabling submittals must also be provided to Campus IT Department for electronic review in PDF format.
- B. Contractor shall clearly identify any deviations from the Contract Documents on each submittal. Any deviation not so noted, even if stamped reviewed, is not acceptable.
- C. After Architect review, Architect shall transmit submittals to Contractor, District Representative, and Project Inspector. Contractor shall further distribute to Subcontractors and others as required. Work shall not commence, unless otherwise approved by District Representative, and/or Architect until approved submittals are transmitted to Contractor.
- D. Contractor's Review and Approval: Every submittal upon which proper execution of the Work is dependent shall bear the Contractor's review and approval stamp, dated and signed by Contractor. Certifying that Contractor (a) has reviewed, checked, and approved the submittal and has coordinated the submittal contents with requirements of Work and Contract Documents including related Work, (b) Contractor coordinated with all other shop drawings received to date and this duty of coordination has not been delegated to subcontractors, material suppliers, the Architect, or the engineers on this project, (c) determined and verified quantities, field measurements, construction criteria, materials, equipment, catalog numbers and identifications, and similar data, or will do so, and (d) states the Work illustrated or described in the submittal is recommended by Contractor and the Contractor's warranty will fully apply thereto.
- E. Contractor shall coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities requiring sequential activity.
- F. Timing of Submittals:
  1. Contractor shall submit an itemized listing of required submittals with a scheduled date for each submittal, in accordance with the General Conditions. The schedule of submittals shall provide adequate time between submittals in order to allow for proper review without negative impact to the Construction Schedule.
  2. Contractor shall submit to the Architect, those Shop Drawings, Product Data, diagrams, material lists, Samples and other submittals required by the Contract Documents.
  3. Schedule of submittals shall be related to Work progress, and shall be so organized as to allow sufficient time for transmitting, reviewing, corrections, resubmission, and re-reviewing.
  4. Contractor shall coordinate submittal of related items and Architect reserves the right to withhold action on a submittal requiring coordination with other submittals until all related submittals are received by Architect.
  5. Contractor shall revise, update and submit submittal schedule to District Representative and Architect on the first of each month, or as required by the District Representative.
  6. Contractor shall allow in the Construction Schedule, at least ten (10) calendar days for Architect review following Architect receipt of submittal. For mechanical, plumbing, electrical, structural, and other submittals requiring joint review with Architect's Consultants, and/or others, Contractor shall allow a minimum of fourteen (14) calendar days following Architect receipt of submittal. Submittals will be reviewed with reasonable promptness, but Architect reserves the right of additional time where required based on but limited to submittal size, complexity, etc.
  7. No adjustments to the Contract Time and/or Milestones will be authorized because of a failure to transmit submittals to Architect sufficiently in advance of the Work to permit review and processing.



8. In case of product substitution, Shop Drawing preparation shall not commence until such time Architect and District Representative reviews said submittal relative to the Product Substitution requirements of the General Conditions and Specification Section 01 60 00.
- G. If required, resubmit submittals in a timely manner. Resubmit as specified for initial submittal but identify as such. Review times for re-submitted items shall be as per the time frames for initial submittal review.
- H. Architect, or authorized agent, will stamp each submittal with a uniform, action stamp. Architect, or authorized agent, will mark the stamp appropriately to indicate the action taken, as follows:
  1. Final Unrestricted Release: When Architect, or authorized agent, marks a submittal "Reviewed" the Work covered by the submittal may proceed provided it complies with requirements of the Contract Documents. Final payment depends on that compliance.
  2. Final-But-Restricted Release: When Architect, or authorized agent, marks a submittal "Furnish as Corrected" the Work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents. Final payment depends on that compliance.
  3. Returned for Re-submittal: When Architect, or authorized agent, marks a submittal "Rejected, Revise and Resubmit" do not proceed with Work covered by the submittal, including purchasing, fabrication, delivery, or other activity. Revise or prepare a new submittal according to the notations; resubmit without delay. Repeat as necessary to obtain different action mark. In case of multiple submittals covering same items of Work, Contractor is responsible for any time delays, schedule disruptions, out of sequence Work, or additional costs due to multiple submissions of the same submittal item. Do not use, or allow others to use, submittals marked "Rejected, Revise and Resubmit" at the Project site or elsewhere where Work is in progress.
  4. Other Action: Where a submittal is for information or record purposes or special processing or other activity, the Architect, or authorized agent, will return the submittal marked "Action Not Required".
- I. Review of Submittals by the Architect: Submittals will be reviewed but only for conformance with the design concept of the Project and with the information indicated on the Drawings and stated in the Specifications. Review of a separate item as such will not indicate approval of the assembly in which the item functions. Review of submittals shall not relieve the Contractor of responsibility for any deviations from requirements of the Contract Documents or any revisions in resubmittals unless Contractor has given written notice of such deviation or revision at the time of submission or resubmission and written approval has been given to the specific deviation or revision, nor shall approval relieve the Contractor of responsibility for error or omissions in the submittals or for the accuracy of dimensions and quantities, the adequacy of connections, and the proper and acceptable fitting, execution, functioning, and completion to the Work.
- J. All costs for the preparation, correction, delivery, and return of the submittals shall be borne by the Contractor.
- K. Submission:
  1. Submission is primarily electronic to the Architect, District, Cx Agent, and Project Inspector. Electronic submittals shall be submitted as source PDFs with word-searchable text.
  2. Certain shop drawings will be required to be submitted in hard copy, in addition to PDF format (i.e. structural steel, metal fabrications, etc.). When hard copies are required, Contractor shall submit sufficient number to allow for adequate Contractor, Subcontractor, supplier, manufacturer and fabricators distribution plus two (2) sets to be retained by Architect.

### 3.02

### SHOP DRAWINGS

- A. Shop Drawings are original drawings prepared by Contractor, Subcontractor, supplier, or distributor illustrating some portion of Work by showing fabrication, layout, setting, or erection details. Do not reproduce Contract Documents or copy standard information as the basis of Shop Drawings. Copies of the Contract Drawing marked to show Shop Drawing information are not acceptable and will not be reviewed and will be promptly returned to the Contractor.
- B. Produce Shop Drawings to an accurate scale that is large enough to indicate all pertinent features and methods. Submit Shop Drawings on sheets at least 8-1/2 x 11 inches but no larger than 30 x 42 inches.
- C. Shop Drawings shall include, at a minimum, fabrication and installation drawings, setting diagrams, schedules, patterns, templates, and similar drawings. Include the following information:
  - 1. Dimensions
  - 2. Identification of products and materials included by sheet and detail number.
  - 3. Compliance with specified standards.
  - 4. Notation of coordination requirements.
  - 5. Notation of dimensions established by field measurement.
- C. Provide two (2) spaces, approximately 4 by 5 inches, on the label or beside the title block on Shop Drawings to record Contractor and Architect review, and the action taken. Include the following information on the label for processing and recording action taken:
  - 1. Project name.
  - 2. Project number.
  - 3. Date.
  - 4. Name and address of Architect.
  - 5. Name and address of Contractor.
  - 6. Name and address of Subcontractor.
  - 7. Name and address of supplier.
  - 8. Name and address of manufacturer.
  - 9. Name and title of appropriate Specification section.
  - 10. Drawing number and detail references, as appropriate.
- E. Required Copies and Distribution: Same as noted in 3.01, K.

### 3.03 PRODUCT DATA

- A. Collect Product Data into a single submittal for each element of Work or system. Product Data includes printed information, such as manufacturer's installation instructions, catalog cuts, standard color charts, roughing-in diagrams and templates, wiring diagrams, schedules, illustrations, or performance curves.
  - 1. Mark each copy to show or delineate pertinent materials, products, models, applicable choices, or options. Where Product Data includes information on several products that are not required, clearly mark copies to indicate the applicable information. Include the following information:
    - a. Manufacturer's printed recommendations.
    - b. Compliance with trade association standards.
    - c. Compliance with recognized testing agency standards.
    - d. Application of testing agency labels and seals.
    - e. Notation of dimensions verified by field measurement.

- f. Notation of coordination requirements.
  - g. Notation of dimensions and required clearances.
  - h. Indicate performance characteristics and capacities.
  - i. Indicate wiring diagrams and controls.
- 2. Do not submit Product Data until compliance with requirements of the Contract Documents has been confirmed.
- C. Required Copies and Distribution: Same as denoted in Section 3.01, K.

#### 3.04 SAMPLES

- A. Submit Samples of sufficient size, quantity (minimum of three), cured and finished and physically identical to the proposed product or material. Samples include partial or full sections or range of manufactured or fabricated components, cuts or containers of materials, color range sets, and swatches denoting color, texture, and/or pattern.
  - 1. Mount or display Samples in the manner to facilitate review of qualities indicated. Include the following:
    - a. Specification section number and reference.
    - b. Generic description of the Sample.
    - c. Sampling source.
    - d. Product name or name of manufacturer.
    - e. Compliance with recognized standards.
    - f. Availability and delivery time.
  - 2. Submit Samples for review of size, kind, color, pattern, and texture. Submit Samples for a final check of these characteristics with other elements and a comparison of these characteristics between the final submittal and the actual component as delivered and installed.
    - a. Where variations in color, pattern, texture, or other characteristic is inherent in the material or product represented, submit at least three (3) multiple units that show the approximate limits of the variations.
    - b. Refer to other Specification sections for requirements for Samples that illustrate workmanship, fabrication techniques, assembly details, connections, operation, and similar construction characteristics.
    - c. Refer to other sections for Samples to be returned to Contractor for incorporation into the Work. Such Samples must be undamaged at time of installation. On the transmittal indicate special requests regarding disposition of Sample submittals.
    - d. Samples not incorporated into the Work, or otherwise not designated as Owner property, remain the property of Contractor and shall be removed from the Project site prior to Substantial Completion.
  - 3. Color and Pattern: Whenever a choice of color or pattern is available in a specified product, submit accurate color chips and pattern charts to Architect for review and selection by Architect and District Representative.
  - 4. Required Copies and Distribution: Same as denoted in Section 3.01, K.
- B. When specified, erect field Samples and mock-ups at the Project site to illustrate products, materials, or workmanship and to establish standards by which completed Work shall be judged.
- C. Maintain sets of Samples, as returned, at the Project site, for quality comparisons throughout the course of the Work. Sample sets may be used to obtain final acceptance of the Work associated with each set.

3.05 DEFERRED SUBMITTAL REQUIREMENTS - NONE

3.06 QUALITY CONTROL SUBMITTALS

- A. Submit quality control submittals, including design data, certifications, manufacturer's field reports, and other quality control submittals as required under other sections of the Contract Documents.
- B. When other sections of the Contract Documents require manufacturer's certification of a product, material, and/or installation complies with specified requirements, submit a notarized certification from the manufacturer certifying compliance with specified requirements.
- C. Certification shall be signed by an officer of the manufacturer or other individual authorized to sign documents on behalf of the represented company.
- D. Requirements for submittal of inspection and test reports are specified in other sections of the Contract Documents.

3.07 CERTIFICATES

- A. Submit all certificates electronically to Project Inspector, in accordance with requirements of each Specification Section.

END OF SECTION 01 33 00

SECTION 01 41 00

CEQA EIR MITIGATION MEASURES

***Issued, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES:

- A. This Section specifies administrative and procedural requirements governing California Environmental Quality Act (CEQA) Environmental Impact Report (EIR) Mitigation Measures.

1.02 RELATED SECTIONS:

- A. General Conditions.
- B. Construction Services Agreement.
- C. Division 1.

PART 2 – PRODUCTS (Not applicable)

PART 3 – EXECUTION

3.01 EIR Mitigation Measure (MM) Requirements for Contractor:

- A. MM-AQ-1: The following measures shall be adhered to during the architectural coating phases of project construction to reduce volatile organic compound (VOC) emissions from activities during Phases 1 and 1:
  - 1. Architectural coatings shall be following the requirements of South Coast Air Quality Management District (SCAQMD) Rule 1113 (Architectural Coatings).
- B. MM-AQ-2: Consistent with SCAQMD Rule 403, it is required that fugitive dust generated by grading and construction activities be kept to a minimum, with a goal of retaining dust on the site, by following the dust control measures listed as follows:
  - 1. During clearing, grading, earthmoving, excavation, or transportation of cut or fill materials, water trucks or sprinkler systems shall be used to prevent dust from leaving the site and to create a crust after each day's activities cease.
  - 2. During construction, water truck or sprinkler systems shall be used to keep all areas of vehicle movement damp enough to prevent dust from leaving the site. At a minimum, this would include wetting down such areas later in the morning, after work is completed for the day, and whenever winds exceed 15 miles per hour (mph).
  - 3. Soil stockpiled for more than 2 days shall be covered, kept moist, or treated with soil binders to prevent dust generation.
  - 4. Speeds on unpaved roads shall be reduced to less than 15 mph.
  - 5. All grading and excavation operations shall be halted when wind speeds exceed 25 mph.
  - 6. Dirt and debris spilled onto paved surfaces at the project site and on the adjacent roadways shall be swept, vacuumed, and/or washed at the end of each workday.
  - 7. Should minor import/export of soil materials be required, all trucks hauling dirt, sand, soil, or other loose material to and from the construction site shall be tarped and maintain a minimum 2 feet of freeboard.

8. At a minimum, at each vehicle egress from the project site to a paved public road, a pad shall be installed consisting of washed gravel (minimum size: 1 inch) maintained in a clean condition to a depth of at least 6 inches and extending to a width of at least 30 feet and a length of at least 50 feet (or as otherwise directed by SCAQMD) to reduce trackout and carryout onto public roads.
  9. Review and comply with any additional requirements of SCAQMD Rule 403.
- C. MM-CUL-3: In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find under the California Environmental Quality Act (CEQA; 14 CCR 15064.5(f); PRC Section 21082), the archaeologist may simply record the find and allow work to continue. If the discover proves significant under CEQA, additional work, such as preparation of an archaeological treatment plan, testing, or data recovery may be warranted.
- D. MM-HAZ-3: Due to a prior hazardous materials spill and the location of an oil pipeline in proximity to the project area, the project area may be impacted by hazardous materials and/or wastes. A hazardous materials contingency plan should be followed during demolition, excavation, and construction activities for the project. The hazardous materials contingency plan shall include, at a minimum, the following:
1. Identification of known areas with hazardous waste and hazardous materials of concern
  2. Procedures for temporary cessation of construction activity and evaluation of the level of environmental concern
  3. Procedures for restricting access to the contaminated area except for properly trained personnel
  4. Procedures for notification and reporting, including internal management and local agencies (e.g., local fire department, county Certified Unified Program Agency), as needed
  5. Health and safety measures for removal and excavation of contaminated soil
  6. Procedures for characterizing and managing excavated soils
  7. Procedures for certification of completion of remediation
- Site workers should be familiar with the hazardous materials contingency plan and should be fully trained on how to identify suspected contaminated soil.
- E. MM-NOI-1: Noise Mitigation
1. Construction equipment shall be properly outfitted and maintained with feasible noise-reduction devices to minimize construction-generated noise.
  2. Stationary noise sources such as generators shall be located away from noise-sensitive land uses if feasible.
  3. Laydown and construction vehicle staging areas shall be located away from noise-sensitive land uses if feasible.

END OF SECTION 01 41 00

SECTION 01 45 23  
TESTING AND INSPECTION

***Revised, Addendum 02, 04/29/22***

PART 1 - GENERAL

- 1.01 SECTION INCLUDES
- A. Testing and inspection services to meet requirements of California Building Standards Code, Title 24, California Code of Regulations.
  - B. Tests of materials are required by a DSA certified Testing Agency as set forth in Chapter 4 of the California Administrative Code, Title 24, Part 1.
- 1.02 RELATED SECTIONS
- A. General Conditions.
  - B. Construction Services Agreement.
  - C. Section 01 31 13: Project Coordination.
  - D. Section 01 32 13: Construction Schedule.
  - E. Section 01 33 00: Submittal Procedures.
  - F. Section 01 50 00: Construction Facilities and Temporary Controls.
  - G. Section 01 73 29: Cutting and Patching.
  - H. Section 01 78 36: Warranty Procedures.
- 1.03 COORDINATION OF TESTS AND INSPECTIONS
- A. Contractor shall establish a protocol for requesting inspections so as to not delay the progress of the work. Contractor shall review General Conditions for additional requirements.
- 1.04 TESTING COSTS
- A. Contractor shall arrange and pay for all testing specified in the specification sections.
    - 1. Reimbursement of Inspection Costs: The Contractor shall reimburse to the District all or any part, as the District Representative may deem just and proper, of the actual excessive inspection costs incurred by the District due to any or all of the following:
      - i. Contractor's failure to complete the Work within the Contract Time stated in the Agreement, and any previously authorized extensions thereof.
      - ii. Claims between separate contractors
      - iii. Covering of any of the Work before the required inspections of tests are performed.
      - iv. Extra inspections required for Contractor's correction of defective Work.
      - v. Overtime costs for acceleration of Work done for Contractor's convenience.
- 1.07 CONTRACTOR-FURNISHED ASSISTANCE
- A. When requested, Contractor shall furnish access, facilities, and labor assistance as necessary for duties to be performed at the site by Test Laboratory, and Inspector, including ladders, hoisting, temporary lighting, water, and like services.

## PART 2 – PRODUCTS (Not used)

## PART 3 – EXECUTION

### 3.01 SCHEDULES FOR TESTING

- A. Establishing Schedule:
  - 1. By advance discussion with the testing laboratory selected by the District Representative, determine the time required for the laboratory to perform its tests and to issue each of its findings.
  - 2. Provide required time within the construction schedule.
- B. Revising Schedule: When changes of construction schedule are necessary during construction, coordinate such changes of schedule with the testing laboratory as required.
- C. Adherence to Schedule: When the testing laboratory is ready to test according to the determined schedules, but is prevented from testing or taking specimens due to incompleteness of the work, extra charges for testing attributable to the delay may be back-charged to the Contractor and may be deducted by the District Representative from the contract sum.

### 3.02 REQUESTING TESTING

- A. Contractor shall request testing and inspection through the Project Inspector. Contractor shall provide Project Inspector a minimum of twenty-four (24) hour notice prior to Project Inspector inspections being required and a minimum of forty-eight (48) hour notice prior to special testing and inspections being required.

### 3.03 TESTS

- A. District Representative will select and provide an independent DSA certified testing agency (Testing Agency) to conduct tests, sampling, and testing of materials. Selection of material to be tested shall be by the Testing Agency and not by Contractor.
- B. The Contractor shall not incorporate into the work any material shipped from the source of supply prior to having satisfactorily passed the required testing and inspection, or prior to the receipt of notice from Project Inspector that the testing and inspection is not required.
- C. District Representative will select, and directly reimburse, the Testing Agency for costs of all DSA required tests and inspections; however, the District Representative may be reimbursed by Contractor for such costs as specified or noted in related sections of the Contract Documents.
- D. The independent Testing Agency is not authorized to release, revoke, alter, or enlarge requirements of the Contract Documents or approve or accept any portion of the Work.
- E. The Testing Agency shall not perform any duties of Contractor.
- F. Contractor shall provide an insulated curing box with the capacity for ten (10) concrete cylinders and will relocate said box and cylinders as rapidly as required in order to provide for progress of the Work.

### 3.04 TEST REPORTS

- A. Test reports shall include all tests performed, regardless of whether such tests indicate the material is satisfactory or unsatisfactory. Samples taken but not tested shall also be reported. Records of special sampling operations, when and as required, shall also be reported. Reports shall indicate the material (or materials) was sampled and tested in accordance with requirements of CBC, Title 24, Parts 1 and 2, as indicated on the Drawings. Test reports shall indicate specified design strength and specifically state whether or not the material (or materials) tested comply with the specified requirements.

### 3.05 VERIFICATION OF TEST REPORTS



- A. Each Testing Agency shall submit to the Division of the State Architect a verified report covering all tests required to be performed by that Testing Agency during the progress of the Work, in accordance with DSA PR 13-01.

3.06 INSPECTION BY DISTRICT REPRESENTATIVE

- A. District, and its representatives, shall have access, for purposes of inspection, at all times to all parts of the Work and to all shops wherein the Work is in preparation. Contractor shall, at all times, maintain proper facilities and provide safe access for such inspection.
- B. District Representative shall have the right to reject materials and/or workmanship deemed defective Work and to require correction. Defective workmanship shall be corrected in a satisfactory manner and defective materials shall be removed from the premises and legally disposed of without charge to District Representative. If Contractor does not correct such defective Work within a reasonable time, fixed by written notice and in accordance with the terms and conditions of the Contract Documents, District Representative may correct such defective Work and proceed in accordance with related Articles of the Contract Documents.
- C. Contractor is responsible for compliance to all applicable local, state, and federal regulations regarding codes, regulations, ordinances, restrictions, and requirements.

3.07 PROJECT INSPECTOR

- A. A Project Inspector shall be employed by the District in accordance with requirements of Title 24 of the California Code of Regulations with their duties specifically defined therein. Additional DSA certified inspectors may be employed and assigned to the Work by District Representative in accordance with the requirements of California Building Standards Commission's, California Administrative Code with their duties as specifically defined in Section 4-211, 4-219, and 4-238, and in DSA IR A-8.
- B. Inspection of Work shall not relieve Contractor from any obligation to fulfill all terms and conditions of the Contract Documents.
- C. Contractor shall be responsible for scheduling times of inspection, tests, sample taking, and similar activities of the Work.

3.08 TESTS AND INSPECTIONS

- A. Provide tests and inspections per sections of the Contract Documents.

END OF SECTION 01 45 23

## SECTION 01 45 24

### ENVIRONMENTAL IMPORT/EXPORT MATERIALS TESTING

**Issued, Addendum 02, 04/29/22**

#### PART 1 – GENERAL

##### 1.01 SUMMARY

- A. This Section specifies the requirements for the sampling, testing, transportation and certification of imported fill materials or exported fill materials to NOCCCD Sites.
- B. This Section defines:
  - 1. Contractor requirements for use of existing, imported or generated materials on NOCCCD Sites.
  - 2. Contractor requirements for stockpiling materials for use on school sites.
  - 3. Contractor requirements for exporting materials from a school site including transportation.
  - 4. Testing requirements for all materials imported, exported, stockpiled or generated for use on the school site.
  - 5. Testing and reporting requirements.
  - 6. Contractor submittal requirements.

##### 1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 11 00: Summary of Work.
- D. Section 01 31 13: Project Coordination.
- E. Section 01 32 13: Construction Schedule.
- F. Section 01 32 29: Project Forms
- G. Section 01 33 00: Submittal Procedures.

##### 1.03 OBJECTIVES

- A. Ensure that fill materials imported to NOCCCD Sites are free of known and expected environmental contaminants for students, staff, and visitors.
- B. Ensure that materials exported from NOCCCD Sites comply with California Code of Regulations (CCR) Title 22 requirements.
- C. Ensure that representative data be collected so that analytical determinations can be made in regards to the first two objectives.

##### 1.04 SUBMITTALS

- A. Contractor shall submit to District Representative for transmittal to NOCCCD Environmental Consultant:
  - 1. Written notification in the form of a memo or e-mail from the Contractor to the District Representative is required prior to the importing of soils from a school or borrow site. All hauling contracts must specify the use of “clean” trucks. Clean trucks shall be clean of any and all visible contamination or deleterious materials.
  - 2. Written documentation confirming that the trucks traveled directly from the source location to the recipient location with no detours or stops at other locations and that short loads were

not augmented by other materials that were not tested as part of the final import/export activities. It is the Contractor's responsibility to document that no other trips or short load augmentation occurred and submit the documentation within seven (7) calendar days of the completion of the import/export activities. All import/export transportation activities shall be conducted in accordance with all applicable (local, State, Federal) rules and regulations.

3. The District's third-party Environmental Consultant shall have the required tests performed and report results noting if the tested material passed or failed and shall furnish copies to the District Representative, Project Inspector (PI), Architect, Contractor and/or others as required. Report shall state tests were conducted under the responsible charge of a licensed State of California professional engineer or professional geologist and the material was tested in accordance with applicable provisions of the Contract Documents, DSA, and CCR Title 22.
4. Certification, in the form of haul tickets or completed waste manifests, documenting the volume/weight and recipient of all import/export materials and activities. This documentation shall be coordinated through the District Representative and NOCCCD Environmental Consultant. Contractor shall provide, track, and maintain a log of all imported and exported materials.
5. Specific Import Requirements:
  - a. Within fourteen (14) calendar days of receipt of Notice to Proceed, the contractor shall submit a spreadsheet listing all required import material types including but not limited to backfill soil, sand, gravel, and crushed aggregate base **(NO Crushed Miscellaneous Base (CMB) shall be allowed for use on NOCCCD projects)**. The list shall include estimated volumes/weights required by each subcontractor and the intended borrow site locations each contractor intends to procure material from.
  - b. Prior to the import of material, the Contractor must provide a "Request for Import Material Testing" form a minimum of fourteen (14) calendar days prior to needing material on site. The "Request for Import Material Testing" form can be found in Specification Section 01 32 29.
  - c. For import to the school project site, haul tickets shall be utilized, and shall contain the following minimum information:
    - 1) Date(s) of haul activity.
    - 2) Address of source site.
    - 3) Address of recipient.
    - 4) Load volume/weight.
    - 5) Day of departure from source.
    - 6) Day of arrival at recipient site.
    - 7) Signature of recipient or recipient's agent.
    - 8) It is the Contractor's responsibility to confirm that no other trips or short-load augmentation occurred and submit documentation to the District Representative.

#### 1.05 APPROVALS

- A. Import of soil, granular base, geotechnical grading or filling materials at NOCCCD sites will occur only with prior approval of the District Representative.

## PART 2 – PRODUCTS

### 2.01 MATERIALS

- A. Imported:
1. Soils: Soils proposed for import shall be tested pursuant to the requirements as outlined in Part 3 of this Section.
  2. Gravels/CAB: Clean gravel, consisting of native rock from a commercial source, shall be tested pursuant to the requirements of this Section.
  3. Sands: Clean sand from a commercial source shall be tested pursuant to the requirements of this Section. Contractor shall provide written documentation, which identifies the source, volume/weight and proposed transport date(s) of the material for review.
  4. Miscellaneous Material: No crushed miscellaneous base (CMB) containing crushed concrete, asphalt, construction debris, recycled, or other potential deleterious materials may be utilized or imported to a NOCCCD project site for use as fill or grading material.
- B. Exported/Site Generated:
1. Contractor is responsible for finding an acceptable receiving site or facility including facilities permitted to receive exports deemed unusable or environmentally impacted/contaminated.
  2. Contractor shall provide a waste acceptance letter to the District from the designated disposal facility prior to any export from the District's site.
  3. Contractor must provide the appropriate waste manifest(s) and provide a copy, signed by the receiving site. A copy of the executed manifest shall be provided to the District Representative.
  4. Materials identified as hazardous wastes will need the site US EPA waste generator identification number and hazardous waste manifests prepared with requisite information on generator and receiving facility.
  5. Miscellaneous Material. No crushed miscellaneous material containing concrete, asphalt, construction debris, or other potential deleterious materials that is generated onsite may be used as fill or grading material for any NOCCCD project. Crushed asphalt shall be segregated and stockpiled separately.

### PART 3 – EXECUTION

#### 3.01 GRADING/EXCAVATION

- A. If the Contractor encounters an area(s) with discolored, stained, and/or odorous soils or any other evidence of contamination during excavation/grading work, Contractor must immediately notify the District Representative, cease work at the aforementioned area(s), and secure the area(s) with fencing, tape, stakes or other suitable means to prevent entry by personnel or equipment. Upon notification, the District Representative will immediately notify the NOCCCD Environmental Consultant, which will initiate a construction response to address the area(s) of concern, in accordance with pertinent regulatory requirements.

#### 3.02 SAMPLING AND TESTING

- A. All import material testing will be performed by a testing laboratory selected by District's Environmental Consultant. Contractor must coordinate with the District per Item 1.04, of this Section, to request testing.
- B. All fill/grading material must be tested at the site of origin. OWNER retains the right to refuse any fill material proposed for use at any NOCCCD site.
- C. Import fill materials will be deemed acceptable for import or reuse only when it has been tested and proven clean to the satisfaction of the District's Environmental Consultant.
- D. Import fill material may be deemed defective for use by the NOCCCD Environmental Consultant at a NOCCCD site should any of the following compounds or chemicals exceed the prescribed volumes:

1. TPH are present at concentrations exceeding 100 milligrams per kilogram (mg/kg) for gasoline and/or 1,000 mg/kg for oil/diesel and long-chain hydrocarbons.
  2. Solvents and other VOCs are present at concentrations exceeding the human health risk levels for unrestricted land use and/or hazardous waste characterization criteria whichever is lower.
  3. PCBs are present at concentrations exceeding the human health risk levels for unrestricted land use and/or hazardous waste characterization criteria whichever is lower.
  4. SVOCs are present at concentrations exceeding the human health risk levels for unrestricted land use and/or hazardous waste characterization criteria whichever is lower.
  5. OCPs are present at concentrations exceeding the human health risk levels for unrestricted land use and/or hazardous waste characterization criteria whichever is lower.
  6. OPPs are present at concentrations exceeding the human health risk levels for unrestricted land use and/or hazardous waste characterization criteria whichever is lower.
  7. Chlorinated herbicides are present at concentrations exceeding the human health risk levels for unrestricted land use and/or hazardous waste characterization criteria whichever is lower.
  8. California Code of Regulations Title 22 (CAM 17) Metals at concentrations exceeding human health risk levels for unrestricted land use or typical background levels expected in California and/or hazardous waste characterization criteria whichever is lower.
  9. Hexavalent chromium is present at concentrations exceeding 17 mg/kg or failing hazardous waste STLC leachate criteria.
- E. All import material shall be characterized, handled, and documented in accordance with applicable US EPA and State of California hazardous waste and hazardous materials regulations. For the purpose of this specification, “contaminated” shall mean any soil or geotechnical material with constituent concentrations, which would require disposal at a permitted facility (i.e., California hazardous or RCRA hazardous). District Representative must be notified at least five days prior to the disposal of any hazardous waste or hazardous material.
- 3.03 TRANSPORTATION
- A. Details of the samples and testing must be submitted to and approved by NOCCCD Environmental Consultant before the materials from which the samples were collected undergo transportation.
  - B. Haul Routes and Regulations/Restrictions: Contractor must comply with requirements of project environmental disclosure documents (e.g., CEQA EIR) and authorities having jurisdiction over the project area and the proposed activities (e.g. Regional Water Quality Control Board, Orange County Health Care Agency, DTSC, etc.).
- 3.04 COSTS
- A. District will incur the costs of testing both mined (quarry) and borrow sites up to and including four (4) locations within a distance of 70 miles of project location. The costs for the need to test more than four (4) sites shall be incurred by the Contractor through the District’s Environmental Consultant.
  - B. Contractor shall pay all fees associated with loading, hauling and disposal of exported soil and aggregates. Should contaminated soil be encountered, the district shall pay the fee difference if the soil is determined to be treated as a hazardous material.
  - C. Contractor shall pay all fees for loading, hauling, disposal and/or processing of contaminated and/or hazardous fill materials identified in the contract documents.

END OF SECTION 01 45 24

SECTION 01 50 00

CONSTRUCTION FACILITIES AND TEMPORARY CONTROLS

***Revised, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Temporary utilities, construction facilities and controls to be provided, maintained, relocated, and removed by Contractor.

1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 11 00: Summary of Work.
- D. Section 01 29 73: Schedule of Values Procedures.
- E. Section 01 32 13: Construction Schedule.
- F. Section 01 45 23: Testing and Inspection.
- G. Section 01 74 19: Construction and Demolition Waste Management.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION

3.01 QUALITY ASSURANCE

- A. Contractor shall comply with applicable laws and regulations of authorities having jurisdiction including, but not limited to, the following:
  - 1. Building Code requirements.
  - 2. Division of State Architect.
  - 3. Health and safety regulations.
  - 4. Utility company regulations.
  - 5. Police, fire department and rescue squad requirements.
  - 6. Environmental protection regulations.
- B. Contractor shall arrange for the inspection and testing of each temporary utility prior to use. Obtain required certifications and permits and transmit to District Representative.
- C. Contractor shall provide site layout to District Representative for District review and approval prior to installation.

3.02 TEMPORARY UTILITIES

- A. Contractor shall submit to District Representative reports of tests, inspections, meter readings and similar procedures performed on temporary utilities.

- B. Contractor shall coordinate with the appropriate utility company to install temporary services. Where the utility company provides only partial service, Contractor shall provide and install the remainder with matching compatible materials and equipment.
- C. Temporary Water:
1. Contractor shall furnish, install and pay for all necessary permits, inspections, move ins/out, temporary water lines, connections and fees, extensions and distribution, metering devices and use charges, deliveries/pick-ups, rentals, storage, transportation, taxes, labor, insurance, bonds, material, equipment and all other miscellaneous items for the temporary water system, and upon Substantial Completion of the Work, removal of all such temporary water system devices and appurtenances.
  2. Contractor shall provide and maintain temporary water service, including water distribution piping and outlet devices of the size and required flow rates in order to provide service to all areas of the Project site.
  3. District will pay for all water usage. Contractor shall assist the District in obtaining a separate meter for the water source.
  4. Contractor shall at their expense and without limitation, remove, extend and/or relocate temporary water systems as rapidly as required in order to provide for progress of the Work.
- D. Temporary Electric:
1. Contractor shall furnish, install, maintain and pay for all necessary permits, inspections, temporary wiring, metering devices, move ins/outs, connections and fees, service, extension and distribution, deliveries/pickups, rentals, storage, transportation, taxes, labor, insurance, bonds, materials, equipment and all other required miscellaneous items for the temporary electric systems and upon Substantial Completion of Work, removal of all such temporary electric systems and appurtenances.
  2. Contractor shall furnish, install, maintain, extend and distribute temporary electric area distribution boxes, so located that individual trades can obtain adequate power and artificial lighting, at all points required for the Work, for inspection and for safety. Contractor shall provide adequate temporary power for building lifts, temporary use of the building elevator (if applicable), cranes, etc., for hoisting and man lift use. Include temporary power for elevator testing if needed for permitting.
  3. Contractor shall provide temporary electric for construction, temporary facilities, and connections for construction equipment requiring power or lighting, at all points required for the Work, for inspection and safety.
  4. Contractor shall provide adequate task lighting and safe exit(s) inside building(s), as per Cal/OSHA guidelines, for safety and security.
  5. Contractor shall ensure welding equipment is supplied by electrical generators. All generators shall display labeling indicating compliance with local SCAQMD emissions level requirements.
  6. Contractor shall at their expense and without limitation remove, extend and/or relocate temporary electric systems as rapidly as required in order to provide for progress of the Work.
  7. Contractor to provide temporary power plan indicating source and power pole locations, for District review. Relocations of power distribution poles shall be included as needed by Contractor as to not interrupt the flow of work.
- E. Temporary Gas:
1. Contractor shall furnish, install, maintain and pay for all necessary permits, inspections, metering devices and use charges, move ins/out, extension and distribution, deliveries/pickups, rentals, storage, transportation, equipment and piping, rentals, taxes, labor, material, insurance, bonds, and all other required miscellaneous items for the

temporary gas systems necessary to perform the Work, and upon Substantial Completion of the Work, removal of all such temporary gas system devices and appurtenances.

2. Contractor shall at their expense and without limitation remove, extend and/or relocate temporary gas systems as rapidly as required in order to provide for progress of the Work.

F. Temporary Heating, Ventilation and Air Conditioning:

1. Contractor shall furnish, install, maintain, and pay for all necessary permits, inspections, move ins/out, extensions and distribution, connections and fees, use charges, temporary power source, metering devices and use charges, equipment, rentals, deliveries/pickups, storage, transportation, taxes, labor, insurance, bonds, material, equipment and all other required miscellaneous items for temporary heat and ventilation needed for proper installation of the Work and to protect materials and finishes from damage due to weather. Upon Substantial Completion of the Work, Contractor shall remove all such temporary heating and ventilating system devices and appurtenances.
2. Contractor shall provide, maintain and pay for all temporary ventilation of enclosed Work areas to cure materials, disperse humidity, remove fumes, and to prevent accumulation of dust, irritants, or gases.
3. District Representative will not accept utilization of the permanent HVAC system for temporary HVAC until Substantial Completion.
4. Contractor shall maintain manufacturer required levels of room and/or space temperature, humidity and ventilation necessary to install products, materials and/or systems of the Work.
5. Contractor shall at their expense and without limitation, remove, extend and/or relocate temporary heating and ventilating systems as rapidly as required in order to provide for progress of the Work.

G. Temporary Telephone and Data:

1. Contractor shall furnish, install, maintain and pay for all necessary permits, inspections, move ins/outs, extensions and distribution, devices, connections and fees, use charges, rentals, deliveries/pickups, storage, transportation, taxes, labor, insurance, bonds, material, equipment and all other required miscellaneous items for temporary phone, data service and distribution to Project site temporary offices as required by this Section and Section 3.03.
2. Contractor shall at their expense and without limitation, remove, extend and/or relocate temporary phone service and distribution as rapidly as required in order to provide for progress of the Work.
3. Upon Substantial Completion of the Work, Contractor shall remove all such temporary phone service, distribution, devices and appurtenances.

3.03 CONTRACTOR PROVIDED FACILITIES

- A. Contractor shall provide temporary offices, utilities, storage units, fencing, barricades, chutes, elevators, hoists, scaffolds, railings and other facilities or services as required. Contractor shall be responsible for providing/supplying, installing and maintaining all items indicated under this specification Section 01 50 00.
  - C. Contractor shall be responsible for maintaining all transmission lines, equipment and related devices. If equipment and/or transmission equipment becomes inoperable and downtime exceeds two days, Contractor shall replace and/or provide equivalent interim equipment.
  - D. Furniture, equipment, and related ancillary devices shall remain property of Contractor. Contractor shall remove such property upon Substantial Completion of Work or as otherwise determined in writing by District Representative.
- I. Temporary Storage Units:



1. Contractor shall provide secure and waterproof storage units for the temporary storage of furniture, equipment and other items requiring protection.
2. Contractor shall be responsible for delivery charges and will install the storage unit in an appropriate area.
3. Contractor shall remove the storage unit from the Project site when the storage unit is no longer required for the Work or upon Substantial Completion of the Work.
4. Contractor shall at their expense and without limitation remove and/ or relocate storage units as rapidly as required in order to provide for progress of the Work.

J. Temporary Sanitary Facilities:

1. Contractor shall provide portable chemical toilet facilities, hand wash facilities, and trash receptacles. Quantity of units shall be based on total number of workers and shall be in accordance with Cal/OSHA standards and in compliance with SWPPP.
2. Portable chemical toilet facilities, hand wash facilities, and trash receptacles shall be maintained with adequate supplies and in a clean and sanitary condition and shall be removed from the Project site upon Substantial Completion of the Work. Contractor shall maintain District Representative trailer restroom clean and operational at all times.
3. Contractor employees shall not use school toilet facilities.
4. At Contractor's expense and without limitation remove and/or relocate portable chemical toilet facilities as rapidly as required in order to provide for progress of the Work.
5. Contractor will contain their breaks and lunch periods to the areas designated by District Representative or any public area outside the Project site. Contractor shall provide a suitable container within the break/lunch area for the placement of trash. Areas used for break/lunch must be maintained clean and orderly. Once finish flooring has been installed in a particular area, no food or beverages will be permitted in that area.

K. Temporary Security Fence/Barricade:

1. Contractor shall install temporary Project site security barricade(s) as indicated on Drawings (refer to Specification Section 01 12 16 – Phasing of the Work for additional information) or as required for safety and as specified herein. New or used material may be furnished. Security of Project site and contents is a continuous obligation of Contractor.
2. Unless otherwise indicated or specified, security fence shall be constructed of 6-foot high chain link fencing with 6-foot high green screen. Post spacing shall not exceed ten feet on center. Posts shall be of following nominal pipe dimensions: terminal, corner, and gatepost 2 ½-inches, line posts 2-inch. Chain link fence shall be not less than #13 gauge, 2-inch mesh, and in one width. Posts, fence and accessories shall be as follows:
  - a. Shall be set in the earth a depth of 30-inch with soil firmly compacted around post, unless required otherwise in writing by District Representative.
  - b. Green screen shall be attached to fence mesh on the construction side of the fence and steel tension wires at 18-inch centers with a minimum of #14 gauge tie wire. Green screen shall be maintained and all rips, tears, missing sections shall be corrected upon notification by District Representative.
  - c. Gates shall be fabricated of steel pipe with welded corners, and bracing as required. Fence and fabric to be attached to frame at 12-inch on center. Provide all gate hardware of a strength and quality to perform satisfactorily until barricade is removed upon Substantial Completion of the Work. Each gate shall have a chain and combo padlock. At Substantial Completion of the Work, remove barricade from Project site, backfill and compact fence footing holes. Existing surface paving that is cut into or removed shall be patched and sealed to match surrounding areas.

- d. At Contractor's expense and without limitation remove or relocate fencing, fabric and barricades or other security and protection facilities as rapidly as required in order to provide for progress of the Work.

L. Other Temporary Enclosures and Barricades:

1. Provide lockable, temporary weather-tight enclosures at openings in exterior walls to create acceptable working conditions, to allow for temporary heating and for security.
2. Provide protective barriers around trees, plants and other improvements designated to remain.
3. Temporary partitions shall be installed at all openings where additions connect to existing buildings, and where to protect areas, spaces, property, personnel, students and faculty and to separate and control dust, debris, noise, access, sight, fire areas, safety and security. Temporary partitions shall be as designated on the Drawings or as specified by Architect. At Contractor's expense and without limitation remove and/or relocate enclosures, barriers and temporary partitions as rapidly as required in order to provide for progress of the Work.
4. Since the Work of this Project may be immediately adjacent to existing occupied structures and vehicular and pedestrian right of ways, Contractor shall, in accordance with applicable safety standards, provide temporary facilities, additional barricades, protection and care to protect existing structures, occupants, property, pedestrians and vehicular traffic. Contractor is responsible for any damage, which may occur to the property and occupants of the property of District Representative or adjacent private or public properties which in any way results from the acts or neglect of Contractor.
5. Contractor shall be responsible for cleaning up all areas adjacent to the construction site which have been affected by the construction; and for restoring them to at least their original condition- including landscaping; planting of trees, sod, and shrubs damaged by construction; and raking and disposal of debris such as roofing shingles, paper, nails, glass sheet metal, bricks, and waste concrete. Construction debris shall be removed and properly disposed of. Culverts and drainage ditches with sediment from the construction area shall be cleared routinely to maintain proper drainage and re-cleaned prior to completion of the contract.
6. Contractor shall ensure sediment does not block storm drains. Contractor shall be responsible for cleaning storm drains blocked due to erosion or sediment from the work area.
7. Contractor shall provide temporary shade for all break areas as required by Cal/OSHA's Heat Safety Regulations.

M. Temporary Storage Yards:

1. Contractor shall fence and maintain storage yards in an orderly manner.
2. Provide storage units for materials that cannot be stored outside.
3. At Contractor's expense and without limitation remove and/or relocate storage yards and units as rapidly as required in order to provide for progress of the Work.

N. Temporary Dewatering Facilities and Drainage:

1. Contractor shall be responsible for, but not limited to, de-watering of excavations, trenches and below grade areas of buildings, structures, the Project site and related areas.
2. Include all permits and costs required if necessary for the offsite drainage or disposal of dewatering storage tanks removed from the construction site..

O. Temporary Protection Facilities Installation:

1. Contractor shall not change over from using temporary facilities and controls to permanent facilities, except as permitted by District Representative.

2. Until permanent fire protection needs are supplied and approved by authorities having jurisdiction, Contractor shall provide, install and maintain temporary fire protection facilities of the types needed in order to adequately protect against fire loss. Contractor shall adequately supervise welding operations, combustion type temporary heating and similar sources of fire ignition.
3. Contractor shall provide, install and maintain substantial temporary enclosures of partially completed areas of construction. Provide locking entrances to prevent unauthorized entrance, vandalism, theft and similar violations of security. Where materials, tools and equipment are stored within the Work area, Contractor shall provide secure lock up to protect against vandalism, theft and similar violations of security. District Representative accepts no financial responsibility for loss, damage, vandalism or theft.
4. Contractor operations shall not block, hinder, impede or otherwise inhibit the use of required exits and/or emergency exits to the public way, except as approved by District Representative. CONTRACTOR shall maintain unobstructed access to fire extinguishers, fire hydrants, temporary fire protection facilities, stairways and other access routes for firefighting equipment and/or personnel.

P. Temporary Security and Safety Measures:

1. During performance of the Work in existing facilities and/or on a Project Site occupied by students, Contractor shall provide, install and maintain substantial temporary barriers and/or partitions separating all Work areas from areas occupied by students, faculty and/or administrative staff.
2. During performance of the Work, Contractor shall provide an employee meeting the requirements of Education Code Section 45125.2(2) to continually supervise and monitor all employees of Contractor and Subcontractor. For the purposes of this Section, Contractor employee shall be someone whom the Department of Justice has ascertained has not been convicted of a violent or serious felony as listed in Penal Code Section 667.5(c) and/or Penal Code Section 1192.7(c). To comply with this Section, Contractor shall have his employee submit his or her fingerprints to the Department of Justice pursuant to Education Code Section 45125.1(a).
3. Penal Code Sections 290 and 290.4 commonly known as “Megan’s Law”, require, among other things, individuals convicted of sexually oriented crimes, to register with the chief of police where the convicted individual resides or with a county sheriff or other law enforcement officials. Contractor shall check its own employees and require each Subcontractor to check its employees and report to Contractor if any such employees are registered sex offenders. Contractor shall check monthly during the life of the Contract to ascertain this information and report same to District Representative. Before starting the Work, and monthly thereafter during the life of Contract, Contractor shall notify District Representative in writing if any of its employees and/or if any Subcontractor’s employees is a registered sex offender. If so, the DISTRICT may elect and request to have such individuals removed from project and replaced.
4. Contractor shall employ and maintain sufficient security and safety measures to effectively prevent vandalism, vagrancy, theft, arson, and all other such negative impacts to the Work. Any impacts to the progress of the Work of Contractor, District Representative, or District Representative’s forces, due to loss from inadequate security, will be the responsibility of Contractor.
5. Contractor is responsible for implementing and maintaining a Site Safety Program for subcontractors, sub tiers, and vendors to abide. Contractor to provide Site Specific Safety Plan/Program to District Representative for record. The site program shall follow OSHA guidelines for Safe Zones, Site Evacuations, and Emergency Response programs. Safety Response drills shall be practiced and monitored during the Phases of Construction.

Q. Temporary Access Roads and Staging Areas:

1. Contractor parking will be limited to Parking Lot 9 only. Campus will provide parking system log-in for Contractor and Subcontractor to register their vehicle's information.
2. Contractor will be permitted to utilize existing facility campus roads as designated by District Representative. Contractor shall only utilize those entrances and exits as designated by District Representative and Contractor shall observe all traffic regulations of District Representative.
3. Contractor shall maintain roads, walkways, and contractor parking lot (if applicable) in a clean condition including removal of debris and/or other deleterious material on a daily basis.

#### 3.04 PROJECT SIGNAGE

- A. No signs shall be displayed without approval of District Representative. At Contractor's expense and without limitation remove and/or relocate Project signage and related facilities as rapidly as required in order to provide for progress of the Work.
- B. Contractor shall remove any approved signage at Substantial Completion of the Work.
- C. Contractor shall employ appropriate means to remove all graffiti from buildings, equipment, fences and all other temporary and/or permanent improvements on the Project site within twenty-four (24) hours from the date of report or forty-eight (48) hours of each occurrence.
- D. Contractor shall provide and install signage to provide directional identification, safety, and contact information to construction personnel and visitors as follows and as reviewed by District Representative.
  1. For construction traffic control/flow at entrances/exits, and as designated by District Representative.
  2. To direct visitors.
  3. For construction parking.
  4. To direct deliveries.
  5. For Warning Signs as required.
  6. For trailer identification and Project site address.
  7. For "No Smoking" safe work site at designated locations.
  8. Emergency contact information and phone number of Contractor.
  9. Emergency contact information and phone number of local police, fire, and emergency personnel.
  10. For Labor Compliance Program (LCP) as required by the DIR (Prevailing wage rates and Notice of LCP).
  11. Employee benefits payments paid to trust funds are required under the General Conditions/CSA.

#### 3.05 TRENCHES

- A. All open trenches for installation of utility lines (water, gas, electrical and similar utilities) and open pits shall be barricaded at all times in a legal manner, as required by Cal/OSHA and determined by Contractor. Trenches shall be backfilled and patch-paved within twenty-four (24) hours after approval of installation by authorities having jurisdiction or shall have "trench plates" installed. Required access to buildings shall be provided and maintained. Contractor shall comply with all applicable statutes, codes and regulations regarding trenching and trenching operations.

#### 3.06 DUST CONTROL

- A. Contractor is responsible for dust control on and off the Project site. When Work operations produce dust the Project site and/or streets shall be sprinkled with water to minimize the generation of dust. Contractor shall clean all soils and debris from construction vehicles and cover

both earth and debris loads prior to leaving the Project site. Contractor shall, on a daily basis, clean all streets and/or public improvements within the right of way of any and all debris, dirt, mud and/or other materials attributable to operations of Contractor.

3.07 WASH OUT

- A. Contractor shall provide and maintain wash out boxes of sufficient size and strength to provide for concrete mixer wash out. Contractor shall locate and relocate both the wash out boxes and wash out areas in order to accommodate the progression of the Work. Contractor shall legally dispose of the contents of the wash out boxes and area on an as needed basis or as required by District Representative.

3.08 WASTE DISPOSAL

- A. Contractor shall provide and maintain trash bins on the Project site and in compliance with SWPPP requirements. Trash bins shall be serviced on an as needed basis and Contractor is responsible for the transportation of and the legal disposal of all contents.

3.09 ADVERSE WEATHER CONDITIONS

- A. Should warnings of adverse weather conditions such as heavy rain and/or high winds be forecasted, Contractor shall provide every practical precaution to prevent damage to the Work, Project site and adjacent property. Contractor precautions shall include, but not be limited to, enclosing all openings, removing and/or securing loose materials, tools, equipment and scaffolding.
- B. Contractor shall provide and maintain drainage away from buildings and structures.
- C. Contractor shall implement all required storm water mitigation measures as required under related Sections.

3.10 DAILY REPORTS

- A. By the end of each workday, Contractor shall submit to District Representative and Project Inspector a daily construction report denoting the daily manpower counts and a brief description/location of the workday activities. Manpower shall be broken down by trade classification such as foreman, journeyman or apprentice. The report shall also note the date, day of the week, weather conditions, deliveries, equipment on the Project site whether active and/or idle, visitors, inspections, accidents and unusual events, meetings, stoppages, losses, delays, shortages, strikes, orders and requests of governing agencies, Construction Field Instructions and/or Change Orders received and implemented, services disconnected and/or connected, equipment start up or tests and partial use and/or occupancies. Contractor shall also include on the daily construction report the above information for all Subcontractors at whatever tier.

END OF SECTION 01 50 00

## SECTION 01 60 00

### PRODUCT REQUIREMENTS & SUBSTITUTION PROCEDURES

***Issued, Addendum 02, 04/29/22***

#### PART 1 – GENERAL

##### 1.1 SUMMARY

###### A. Section Includes:

1. Procedures, requirements and limitations for considering substitutions.
2. Criteria for selecting product options and substitutions.
3. Administrative and procedural requirements for selection of products for use in Project;
4. Product delivery, storage, and handling;
5. Manufacturers' standard warranties special warranties;
6. Equivalent products.
7. Substitution requirements and procedures.

###### B. Related Requirements:

1. General Conditions.
2. Construction Services Agreement.
3. Section 01 21 00: Allowances.
4. Section 01 23 00: Alternates.
5. Section 01 33 00: Submittal Procedures.
6. Section 01 62 11: Substitution Request Form.
7. Section 01 77 00: Contract Closeout.
8. Divisions 02 through 32 Sections for specific requirements for products in those Sections.

##### 1.2 DEFINITIONS

###### A. Products: Items obtained for incorporating into the Work, whether purchased for Project or taken from previously purchased stock. The term "product" includes the terms "material," "equipment," "system," and terms of similar intent.

1. Named Products: Items identified by manufacturer's product name, including make or model number or other designation shown or listed in manufacturer's published product literature, that is current as of date of the Contract Documents.
2. New Products: Items that have not previously been incorporated into another project or facility. Products salvaged or recycled from other projects are not considered new products.
3. Equivalent Product: Product that is demonstrated and approved through submittal process to have the indicated qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics that equal or exceed those of specified product.

###### B. Basis-of-Design Product Specification: A specification in which a specific manufacturer's product is named and accompanied by the words "basis-of-design product," including make or model number or other designation, to establish the significant qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics for purposes of evaluating equivalent products of additional manufacturers named in the specification.

### 1.3 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle products using means and methods that will prevent damage, deterioration, and loss, including theft and vandalism.
  - 1. Comply with manufacturer's written instructions.
  - 2. Comply with requirements specified in individual Specification Sections.
- B. Delivery and Handling:
  - 1. Schedule delivery to minimize long-term storage at Project site and to prevent overcrowding of construction spaces.
  - 2. Coordinate delivery with installation time to ensure minimum holding time for items that are flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other losses.
  - 3. Deliver products to Project site in an undamaged condition in manufacturer's original sealed container or other packaging system, complete with labels and instructions for handling, storing, unpacking, protecting, and installing.
  - 4. Inspect products on delivery to determine compliance with the Contract Documents and to determine that products are undamaged and properly protected.
- C. Storage:
  - 1. Store products to allow for inspection and measurement of quantity or counting of units.
  - 2. Store materials in a manner that will not endanger Project structure.
  - 3. Store products that are subject to damage by the elements, under cover in a weathertight enclosure above ground, with ventilation adequate to prevent condensation.
  - 4. Protect foam plastic from exposure to sunlight, except to extent necessary for period of installation and concealment.
  - 5. Comply with product manufacturer's written instructions for temperature, humidity, ventilation, and weather-protection requirements for storage.
  - 6. Protect stored products from damage and liquids from freezing.

### 1.4 PRODUCT WARRANTIES

- A. Warranties specified in other Sections shall be in addition to, and run concurrent with, other warranties required by the Contract Documents. Manufacturer's disclaimers and limitations on product warranties do not relieve Contractor of obligations under requirements of the Contract Documents.
  - 1. Manufacturer's Warranty: Written warranty furnished by individual manufacturer for a particular product and specifically endorsed by manufacturer to Owner.
  - 2. Special Warranty: Written warranty required by the Contract Documents to provide specific rights for Owner.
- B. Special Warranties: Prepare a written document that contains appropriate terms and identification, ready for execution.
  - 1. Manufacturer's Standard Form: Modified to include Project-specific information and properly executed.
  - 2. Specified Form: When specified forms are included with the Specifications, prepare a written document using indicated form properly executed.
  - 3. See other Sections for specific content requirements and particular requirements for submitting special warranties.
- C. Warranty Submittals: Comply with requirements in Section 017700 – Contract Closeout.

## PART 2 PRODUCTS

### 2.1 PRODUCT REQUIREMENTS

- A. General Product Requirements: Provide products that comply with the Contract Documents, are undamaged and, unless otherwise indicated, are new at time of installation.
1. Comply with General Conditions of the Contract for Construction.
  2. Provide products complete with accessories, trim, finish, fasteners, and other items needed for a complete installation and indicated use and effect.
  3. Standard Products: If available, and unless custom products or nonstandard options are specified, provide standard products of types that have been produced and used successfully in similar situations on other projects.
  4. Owner reserves the right to limit selection to products with warranties not in conflict with requirements of the Contract Documents.
  5. Where products are accompanied by the term "as selected," Architect will make selection.
  6. Descriptive, performance, and reference standard requirements in the Specifications establish salient characteristics of products.
  7. Provide pricing based on products listed in Contract Documents. Contract award is based on use of specified products or substitutions approved prior to bidding or pricing.
    - a. By execution of Contract, Contractor agrees and understands Work will be accomplished with products specified or accepted by substitution.
- B. Basis-of-Design Product: Where Specifications name a product, or refer to a product indicated on Drawings, and include a list of manufacturers, provide the specified or indicated product or an equivalent product by one of the other named manufacturers. Drawings and Specifications indicate sizes, profiles, dimensions, and other characteristics that are based on the product named. Comply with requirements in "Equivalent Products" Article for consideration of an unnamed product by one of the other named manufacturers.
1. Reference to "Basis of Design" and a named specific product or manufacturer is intended to establish criteria for use of that product and manufacturer based on that products published information whether or not those criteria are explicitly stated in Specifications.
  2. Criteria may establish higher performance requirement than specified reference or performance standards. Such reference is intended to establish minimum level of quality, standard of design, function, appearance, type, strength, durability, construction, efficiency, sound level, finish, appearance, availability, service and similar characteristics determined necessary for Project.
  3. Specification criteria including basis of design products are considered as a whole.
  4. Other products or manufacturers listed meet features, performance, appearance and other criteria established by that product or manufacturer even if product must be customized to meet those criteria.
  5. When other products are listed in a Section those products may be used if they meet entire specification criteria including criteria implied by product listed as basis of design. Meeting some requirements but not meeting criteria established by basis of design product does not qualify as meeting specified requirements.
  6. Products or manufacturers accepted for substitution will be acceptable provided they fully comply with requirements and match basic and essential criteria of product used for basis of specification or design, including level of fabrication quality, as determined by Architect.
- C. Equivalent Products: For products specified by name and accompanied by the term "or equal," or "or approved equal," or "or approved," or "or equivalent product," comply with requirements in "Product Substitutions Prior to Award" to obtain approval for use of an unnamed product.



- D. Visual Matching Specification: Where Specifications require "match Architect's sample", provide a product that complies with requirements and matches Architect's sample. Architect's decision will be final on whether a proposed product matches.
    - 1. If no product available within specified category matches and complies with other specified requirements, comply with requirements in "Product Substitutions" Articles for proposal of product.
  - E. Visual Selection Specification: Where Specifications include the phrase "as selected by Architect from manufacturer's full range" or similar phrase, select a product that complies with requirements. Architect will select color, gloss, pattern, density, or texture from manufacturer's product line that includes both standard and premium items.
  - F. Compatibility of Options: If Contractor is given option of selecting between two or more products for use on Project, select product compatible with products previously selected, even if previously selected products were also options.
  - G. Labels, Nameplates and Trademarks: Do not permanently attach or imprint labels or trademarks on surfaces exposed to view when installed, except as follows:
    - 1. Service-Connected or Power-Operated Equipment: Provide permanent nameplate indicating manufacturer, model number, serial number, capacity, speed, electrical characteristics and similar essential operating data.
      - a. Locate nameplate on easily accessible surface.
    - 2. UL Fire Rating Labels and Other Required Labels: Install on accessible inconspicuous surfaces.
      - a. Do not paint, deface or conceal required nameplates or labels.
- 2.2 PRODUCT SUBSTITUTIONS PRIOR TO AWARD
- A. Refer to Article 16 of the General Conditions.
- 2.3 PRODUCT SUBSTITUTIONS AFTER AWARD
- A. Intent is to limit unnecessary substitutions after bids. Product substitution after award will not be allowed, except when specified product subsequently is determined as not meeting requirements of Contract Documents or product becomes unavailable, and then only under following conditions:
    - 1. Orders were placed in timely manner. No excuse or proposed substitution will be considered for products due to unavailability unless proof is submitted that firm orders were placed in a timely manner.
    - 2. Reason for unavailability is beyond control of Contractor: prolonged strikes or lockouts which will delay Project to an extent unacceptable to Owner, bankruptcy, discontinuance of a product, delays or Acts of God or other similar reasons.
    - 3. Request for substitution is submitted in writing within 10 days after date Contractor becomes aware product does not comply with specifications or has become unavailable, accompanied by supporting evidence.
    - 4. No extra cost to Owner.
    - 5. Substitution does not compromise design intent or quality required.
    - 6. Substitute product is acceptable to Owner and Architect.
    - 7. Requested substitution offers Owner a substantial advantage in cost, time, energy conservation, or other considerations, after deducting additional responsibilities Owner must assume. Owner's additional responsibilities may include compensation to Architect for redesign and evaluation services, increased cost of other construction by Owner, and similar considerations.
    - 8. Requested substitution does not require revisions to Contract Documents.

9. Requested substitution is consistent with the Contract Documents and will produce intended and indicated results.
  10. Substitution request is fully documented and properly submitted.
  11. Requested substitution will not adversely affect Contractor's Construction Schedule.
  12. Requested substitution has received necessary approvals of authorities having jurisdiction.
  13. Requested substitution is compatible with other portions of Work.
  14. Requested substitution has been coordinated with other portions of Work.
  15. Requested substitution provides specified warranty.
  16. If requested substitution involves more than one trade, requested substitution has been coordinated with other portions of the Work, is uniform and consistent, is compatible with other products, and is acceptable to installers involved.
- B. Substitution Request Submittals: Clearly define and describe proposed substitute product including following items:
1. Fully completed Section 01 62 11 - Substitution Request Form.
  2. Manufacturer's printed information supporting claim that proposed product meets specified requirements. Provide following as applicable:
    - a. Literature Specifications Drawings Cut Sheets Performance data.
    - b. List of reference projects of similar size, value and complexity Model numbers Other information necessary to completely describe item.
  3. Provide a point by point comparison between key features of specified Basis of Design item and proposed substitution.
  4. Provide submitted materials marked with Article and Paragraph references from Specification using highlighter, marker and flags on pages to facilitate review and show that substitution meets specified requirements.
  5. Provide a letter indicating requestor has reviewed Contract Documents and examined site (if needed) and that proposed substitution meets specified requirements.
- C. Accepted substitutions will be published in writing. No information or indication of acceptance will be provided by means other than Architect's written Change Directive document following bidding.
- D. Bid and construct according to Contract Documents unless approval of substitution is provided in writing.
- E. Architect is not obligated to state reasons for rejecting substitution.
- F. Substitute products shall:
1. Be available in same range of colors, textures, dimensions, gauges, types, and finishes as specified product.
  2. Be equal to specified item in strength, durability, efficiency, serviceability, ease and cost of maintenance.
  3. Be compatible with building design.
  4. Not necessitate design modifications.
  5. Not impose additional work or require changes in work of Prime Contractor, or other Subcontractor, vendor, or materials supplier.
  6. Not add cost to Owner.
  7. Be similar in essential fabrication features.
- G. Reference Standards for Products:

1. When references to Federal Specification, ASTM Standard, American National Standards Institute (ANSI) or similar association standards are listed for product quality, provide an acceptable affidavit certifying that proposed substitution for this Project meets with same standard.
  2. Submit supporting test data to substantiate compliance.
- H. Contractor, supplier or manufacturer providing accepted substitute product shall bear cost of required modifications to spaces, services, utilities and other features as result of accepting substitute products, including but not limited to:
1. Larger capacity mechanical or electrical service, devices or utilities resulting from acceptance of product for bidding purposes.
  2. Modification to pipes, conduits, ducts, and controls for conveying, distributing, and controlling those services or utilities.
  3. Modification to insulation, wrappings, coatings, or other integral features of lines or items conveying those lines.
- I. Compatibility of Substitutions: Investigate and document compatibility of proposed substitution with related products and materials. Engage a qualified testing agency to perform compatibility tests recommended by manufacturers.

PART 3 EXECUTION – Not Used

END OF SECTION

**SECTION 016211**  
**SUBSTITUTION REQUEST FORM**

**Issued, Addendum 02, 04/29/22**

**To:** Ann Knudsen  
DLR Group  
700 S Flower, 22<sup>nd</sup> Floor  
Los Angeles, CA 90017

**From:** \_\_\_\_\_  
**Contact:** \_\_\_\_\_  
**Email:** \_\_\_\_\_  
**Phone:** \_\_\_\_\_

**Owner:** NOCCCD – Cypress College  
**Project:** Fine Arts Swing Space

**Submittal Date:** \_\_\_\_\_  
**Previous Date:** \_\_\_\_\_

**PROPOSED SUBSTITUTION**

Specification Section, Article, Paragraph: \_\_\_\_\_

Applicable Drawing & Details: \_\_\_\_\_

Proposed Substitution: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

Product/Model: \_\_\_\_\_

**REASON FOR SUBSTITUTION REQUEST**

☐ Specified product is not available. Explain: \_\_\_\_\_

☐ Other: \_\_\_\_\_

**EFFECTS OF PROPOSED SUBSTITUTION**

Does substitution affect dimensions indicated on Drawings?

☐ NO ☐ YES Explain: \_\_\_\_\_

Does substitution affect Work of other Sections?

☐ NO ☐ YES Explain: \_\_\_\_\_

Does substitution affect Schedule?

☐ NO ☐ YES Explain: \_\_\_\_\_

Does substitution affect Cost?

☐ NO ☐ YES Explain: \_\_\_\_\_

Does substitution require modifications to design, changes to Drawings, or revisions to specifications to be incorporated into the Project?

☐ NO ☐ YES Explain: \_\_\_\_\_

**CONTRACTOR'S REPRESENTATION**

Undersigned accepts responsibility for coordination of proposed substitution and accepts all additional costs resulting from the incorporation of proposed substitution into the Project per Section 016000.

**Subcontractor**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**DISTRICT/ARCHITECT'S REVIEW**

☐ Accepted

☐ Not Accepted

**Contractor**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Reviewer: \_\_\_\_\_

Review Date: \_\_\_\_\_

SECTION 01 71 23

FIELD ENGINEERING

***Revised, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Layout of the work.
- B. Verification of work.

1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 11 00: Summary of Work.
- D. Section 01 31 13: Project Coordination.
- E. Section 01 32 13: Construction Schedule.
- F. Section 01 33 00: Submittal Procedures.
- G. Section 01 77 00: Contract Closeout.

1.03 SURVEY CONTROLS

- A. Vertical and horizontal control shall use same benchmark used in the preparation of topographic survey. When Work consists of both on-site and off-site and benchmarks differ, an equation shall be indicated on Drawings.

1.04 LAYOUT OF WORK

- A. All work related to staking shall be by a Land Surveyor or Civil engineer registered with the State of California to perform land surveying and employed by Contractor.
- B. Before commencement of Work, Land Surveyor shall locate all reference points and benchmarks to be used for vertical and horizontal control.
- C. Land Surveyor shall lay out entire Work, set grades, lines, levels, control points, elevations, grids and positions.

1.05 VERIFICATION OF WORK

- A. All curb and gutter, sidewalks, pavers, ramps, concrete flatwork, and asphalt will be subject to line and grade certification. This task shall be performed by a licensed Land Surveyor in the State of California, employed by the Contractor, and shall certify that:
  - 1. The forms for all curb and gutter, sidewalks, pavers, ramps, concrete flatwork, and asphalt are within conformance of the Contract Documents and that no rates of grade are in excess of the rates of grade shown on the approved precise grading plan. These certifications shall be signed by the Land Surveyor and submitted to the District Representative, Architect, and Project Inspector forty-eight (48) hours prior to concrete pour or product placement.
  - 2. The as-built conditions for all curb and gutter, sidewalks, pavers, ramps, concrete flatwork, and asphalt are within conformance of the Contract Documents and that no rates of grade are in excess of the rates of grade shown on the approved precise

grading plan. These certifications shall be signed by the Land Surveyor and submitted and approved by the District prior to the finalization of the project.

- B. All of the above certifications shall be performed at the contractor's expense and the District reserves the right to use an outside consultant to verify any work that the Project Inspector deems necessary in order to ensure compliance with the above specifications.

1.06 SUBMITTALS

- A. Land Surveyor: Shall submit name, address and license number to District Representative, including any changes as they occur.
- B. Field notes: Upon request by District Representative, submit copies of cut sheets, coordinate plots, data collector printouts, marked-up construction staking plans and other documentation as available to verify accuracy of field engineering work during and at completion of project. Submittals to District Representative must be signed and sealed by Surveyor and counter-signed by Contractor
- C. Statement of Compliance: Contractor shall submit a statement of certification signed and sealed by Land Surveyor, counter-signed by Contractor indicating compliance with grades and alignment of construction plans at rough grade, fine grade, and top of rock stages. Project Inspector shall review survey submittals for each stage of construction prior to proceeding with Work.
- D. Upon Substantial Completion, Contractor shall obtain and pay for reproducible survey drawings (or "As Built").
- E. Completed record drawings shall be signed and certified as correct and within specified tolerances by licensed Land Surveyor. Electronic copy of the set shall be submitted to District Representative.

1.07 RECORD DOCUMENTS

- A. Maintain complete and accurate log of all control and survey documentation as work progresses.
- B. Record, by coordinates, all new underground utilities outside building perimeter with top of pipe elevations, at major grade and alignment changes, rim, grate or top of curb and flow line elevations of all drainage structures and sewer manholes. For groups of conduits encased in a duct bank, provide coordinates and elevations of duct bank encasement
- C. Indicate reference and control points on record drawings. The basis of elevation shall be one of the established benchmarks.
- D. Upon Substantial Completion, submit electronic copy of reproduceable plans to District Representative. Clearly indicate all differences between original drawings and completed work within specified tolerances. In addition, provide AutoCAD files of each survey performed for District records.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION (Not used)

END OF SECTION 01 71 23

SECTION 01 73 29

CUTTING AND PATCHING

***Issued, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. This Section specifies procedural requirements for cutting and patching.

1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 29 73: Schedule of Values Procedures.
- D. Section 01 31 13: Project Coordination.
- E. Section 01 31 19: Project Meetings.
- F. Section 01 32 13: Construction Schedule.
- G. Section 01 33 00: Submittal Procedures.
- H. Section 01 71 23: Field Engineering.
- I. Section 01 78 36: Warranty Procedures.

1.03 SUBMITTALS

- A. The word “cutting” as used in the Contract Documents includes, but is not limited to, cutting, drilling, chopping, and other similar operations and the word “patching” includes, but is not limited to, patching, rebuilding, reinforcing, repairing, refurbishing, restoring, replacing, or other similar operations.
- B. Cutting and Patching Proposal: Contractor shall submit a work plan describing procedures well in advance of the time cutting and patching will be performed if the Contract Documents requires approval of these procedures before proceeding. Include the following information, as applicable, in the work plan:
  - 1. Describe the extent of cutting and patching required. Denote how it will be performed and indicate why it cannot be avoided.
  - 2. Describe anticipated results in terms of changes to existing construction. Include changes to structural elements and operating components as well as changes in the building’s appearance or other significant visual elements.
  - 3. List products to be used and firms or entities that will perform this Work.
  - 4. Indicate dates when cutting and patching will be performed.
  - 5. Utilities: List utilities that cutting and patching operations will disturb or affect. List utilities to be relocated and those that will be temporarily out-of-service. Indicate how long service will be disrupted.
  - 6. Where cutting and patching involves adding reinforcement to structural elements, submit details and engineering calculations showing integration of reinforcement with the original structure.

7. Review by Architect and DSA prior to proceeding with cutting and patching does not waive Architect right to later require complete removal and replacement of defective Work.

#### 1.04

#### QUALITY ASSURANCE

- A. Requirements for structural Work: Do not cut and patch structural elements in a manner that would change their load-carrying capacity or load-deflection ratio.
  1. Obtain approval from Architect and DSA of the cutting and patching work plan before cutting and patching the following structural elements:
    - a. Foundation construction.
    - b. Bearing and retaining walls.
    - c. Structural concrete.
    - d. Structural steel.
    - e. Lintels.
    - f. Timber and primary wood framing.
    - g. Structural decking.
    - h. Stair systems.
    - i. Miscellaneous structural metals.
    - j. Exterior curtain-wall construction.
    - k. Equipment supports.
    - l. Piping, ductwork, vessels, and equipment.
    - m. Any other structural systems not listed above.
- B. Operational Limitations: Do not cut and patch operating elements or related components in a manner that would result in reducing their capacity to perform as intended. Do not cut and patch operating elements or related components in a manner that would result in increased maintenance or decreased operational life or safety.
  1. Obtain review of the cutting and patching work plan before cutting and patching the following operating elements or safety related systems:
    - a. Primary operational systems and equipment.
    - b. Air or smoke barriers.
    - c. Water, moisture, or vapor barriers.
    - d. Membranes and flashings.
    - e. Fire protection systems.
    - f. Noise and vibration control elements and systems.
    - g. Control systems.
    - h. Communication and/or data systems.
    - i. Conveying systems.
    - j. Electrical wiring systems.
    - k. Any other operating systems not listed above.
- C. Visual Requirements: Do not cut and patch construction exposed on the exterior or in occupied spaces in a manner that would, in the opinion of Architect, reduce the building's aesthetic qualities. Do not cut and patch construction in a manner that would result in visual evidence of



cutting and patching. Remove and replace Work cut and patched in a visually unsatisfactory manner.

1.05 WARRANTY

- A. Existing Warranties: Replace, patch, and repair material and surfaces cut or damaged by methods and with materials in such a manner as not to void any warranties required or existing.

PART 2 – PRODUCTS (Not applicable)

PART 3 – EXECUTION

3.01 INSPECTION

- A. Examine surfaces to be cut and patched and conditions under which cutting and patching is to be performed before cutting. If unsafe or unsatisfactory conditions are encountered, take corrective action before proceeding.
1. Before proceeding, meet at the Project site with parties involved in cutting and patching, including mechanical and electrical trades. Review areas of potential interference and conflict. Coordinate procedures and resolve potential conflicts before proceeding.

3.02 PREPARATION

- A. Temporary support: Provide adequate temporary support of existing improvements or Work to be cut.
- B. Protection: Protect existing improvements and Work during cutting and patching to prevent damage. Provide protection from adverse weather conditions for portions of existing improvements or Work that might be exposed during cutting and patching operations.
- C. Avoid interference with use of adjoining areas or interruption of free passage to adjoining areas.
- D. Where the Work requires sandblasting of existing surfaces in order to receive new materials secured by cementitious, adhesive or chemical bond, completely remove existing finishes, stains, oil, grease, bitumen, mastic and adhesives or other substances deleterious to the new bonding or fastening of new Work. Utilize wet sand blasting for interior surfaces and for exterior surfaces where necessary to prevent objectionable production of dust.

3.03 PERFORMANCE

- A. General: Employ skilled workmen to perform cutting and patching. Proceed with cutting and patching at the earliest feasible time and complete without delay. Carefully remove existing Work to be salvaged and/or reinstalled. Protect and store for reuse into the Work. Verify compatibility and suitability of existing substrates before starting the Work.
- B. Cutting: Cut existing construction using methods least likely to damage elements retained or adjoining Work. Where possible, review proposed procedures with the original installer; comply with the original installer's recommendations.
1. In general, where cutting, use hand or small power tools designed for sawing or grinding, not hammering and chopping. Cut holes and slots as small as possible, neatly to size required, and with minimum disturbance of adjacent surfaces. Temporarily cover openings when not in use.
2. To avoid marring existing finished surfaces, cut or drill from the exposed or finished side into concealed surfaces.
3. Cut through concrete and masonry using a cutting machine, such as a carborundum saw or a diamond-core drill. Saw cut reinforcing bars and paint ends per approved submittal except where bonded into new concrete or masonry.

4. Comply with requirements of applicable Sections of Divisions 31, 32, and 33 where cutting and patching requires excavating, backfill, and recompaction.
  5. Woodwork: Cut and or remove to a panel or joint line.
  6. Sheet Metal: Remove back to joint, lap, or connection. Secure loose or unfastened ends or edges and seal watertight.
  7. Glass: Remove cracked, broken, or damaged glass and clean rebates and stops of setting materials.
  8. Plaster: Cut back to sound plaster on straight lines, and back bevel edges of remaining plaster. Trim existing lath and prepare for new lath.
  9. Gypsum: Cut back on straight lines to undamaged surfaces with at least two opposite cut edges centered on supports.
  10. Acoustical ceilings: Remove hanger wires and related appurtenances where ceilings are not scheduled to be installed.
  11. Tile: Cut back to sound tile and backing on joint lines.
  12. Flooring: Unless otherwise noted on the plan, completely remove flooring and clean backing of prior adhesive. Carefully remove existing flooring for patching and repairing of existing flooring scheduled to remain.
  13. Curb, gutters, and flat work: Saw cut joint to nearest joint.
- C. Patching: Patch with durable seams that are as invisible as possible. Comply with required tolerances.
1. Where feasible, inspect and test patched areas to demonstrate integrity of the installation. Verify conditions of existing substrates prior to executing Work.
  2. Restore exposed finishes of patched areas and extend finish restoration into retaining adjoining construction in a manner that will eliminate all evidence of patching and refinishing.
  3. Non-Structural Concrete Flatwork: Finish placed concrete to match existing unless noted otherwise. Concrete shall have a compressive strength of 2,500 psi where installed to repair and match existing improvements, unless noted otherwise.
  4. Metal Fabrications: Items to remain exposed shall have their edges cut and ground smooth and rounded.
  5. Sheet Metal: Replace removed or damaged sheet metal items for new Work.
  6. Glass: Install matching glass and re-seal exterior window assemblies.
  7. Lath and Plaster: Install new lath materials to match existing and fasten to supports at 6-inch centers. Provide a 6-inch lap where new lath adjoins existing lath. Fasten new lath as required for new Work. Restore paper backings as required. Apply a bonding agent on cut edges of existing plaster. Apply three coat plaster of the type, thickness, finish, texture, and color to match existing.
  8. Gypsum: Fasten cut edges of wallboard. Install patches with at least two opposite edges centered on supports and secure at 6-inch centers. Tape and finish joints and fastener heads. Patching shall be non-apparent when painted or finished.
  9. Acoustical Ceilings: Comply with the requirements for new Work specified in related sections of the Contract Documents.
  10. Resilient Flooring: Completely remove flooring and prepare substrate for new material.
  11. Painting: Prepare areas to be patched, patch and paint as specified under related sections of the Contract Documents.

3.04

#### CLEANING

- A. Clean areas and spaces where cutting and patching are performed. Completely remove paint, mortar, oils, putty, and similar items. Thoroughly clean piping, conduit, and similar features before applying paint or other finishing materials. Restore damaged coverings to their original condition.

END OF SECTION 01 73 29

## SECTION 01 74 19

### CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT

#### **Revised, Addendum 02, 04/29/22**

#### PART 1 - GENERAL

##### 1.01 SUMMARY

- A. Section Includes: Preparation and implementation, including reporting and documentation, of a Waste Management Plan for reusing, recycling, salvage or disposal of non-hazardous waste materials generated during demolition and new construction (Construction and Demolition (C&D) Waste), to foster material recovery and re-use and to minimize disposal in landfills.

##### 1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 32 29: Project Forms.
- D. Section 01 33 00: Submittal Procedures.
- E. Section 01 50 00: Construction Facilities and Temporary Controls.

##### 1.03 REFERENCES

- A. California Integrated Waste Management Act (IWMA) of 1989 (AB 939).
- B. California Code of Regulations Title 14, Section 18700 et seq.
- C. California Green Building Standards Code, Part 11 of Title 24.

##### 1.04 SYSTEM DESCRIPTION

- A. Collection and separation of all C&D waste materials generated on-site, reuse or recycling on-site, transportation to approved recyclers or reuse organizations, or transportation to legally designated landfills, for the purpose of recycling salvaging and reusing a minimum of 75% of the C&D waste generated.

##### 1.05 SUBMITTALS

- A. Per Section 01 32 29, Contractor to provide a C&D Waste Management Plan within ten (10) calendar days after the Notice to Proceed and prior to any waste removal. Submit the following to the District Representative for review and approval:
  - 1. Materials to be recycled, reused, or salvaged, either onsite or offsite.
  - 2. Estimates of C&D waste quantity (in tons) by type of material. (If waste is measured by volume, give factors for conversion to weight in tons.)
  - 3. Procedures for recycling and reuse program.
  - 4. Permit or license and location of Project waste-disposal areas.
  - 5. Site plan for placement of waste containers.
- B. Per Section 01 32 29, Contractor to provide a C&D Waste Management Monthly Progress Report, summarizing waste generated by Project and submitted monthly with Application for Payment. Include:
  - 1. Firm(s) accepting the recovered or waste materials.

2. Type and location of accepting facilities (landfill, recovery facility, used materials yard, etcetera). If materials are reused or recycled on the Project site, location should be designated as “on-site reuse and recycling”.
  3. Type of materials and net weight (tons) of each.
  4. Value of the materials or disposal fee paid.
  5. Attach weigh bills and other documentation confirming amount and disposal location of waste materials.
- C. C&D Waste Management Final Compliance Report: Final update of Waste Management Plan to provide summary of total waste generated by Project.

## PART 2 – PRODUCTS (Not Used)

## PART 3 – EXECUTION

### 3.01 IMPLEMENTATION

- A. Implement approved Waste Management Plan including collecting, segregating, storing, transporting and documenting each type of waste material generated, recycled or reused, or disposed in landfills.
- B. Designate an on-site person to be responsible for instructing workers and overseeing the sorting and recording of waste/recyclable materials.
- C. Include waste management and recycling in worker orientation and as an agenda item for regular Project meetings.
- D. Recyclable and waste bin areas shall be limited to areas approved on the Waste Management Plan. Keep recycling and waste bins neat and clearly marked to avoid contamination of materials.

END OF SECTION 01 74 19

SECTION 01 77 00

CONTRACT CLOSEOUT

***Revised, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. This Section includes administrative and procedural requirements for Contract Closeout, including but not limited to, the following:
  - 1. Inspection procedures.
  - 2. Project record documents submittal.
  - 3. Operation and maintenance manual submittal.
  - 4. Owner orientation and instruction.
  - 5. Final cleaning.

1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 29 76: Progress Payment Procedures.
- D. Section 01 32 13: Construction Schedule.
- E. Section 01 32 29: Project Forms.
- F. Section 01 33 00: Submittal Procedures.
- G. Section 01 50 00: Construction Facilities and Temporary Controls.
- H. Section 01 74 19: Construction and Demolition Waste Management.
- I. Section 01 78 36: Warranties.
- J. Section 01 86 20: Test and Balance

1.03 REQUIREMENTS FOR PREPARATORY FINAL INSPECTION

- A. All contract work completed.
- B. Remove temporary facilities from the Project site.
- C. Thoroughly clean the Buildings and Project site.
- D. All mechanical equipment shall operate quietly and free from vibrations. Properly adjust, repair, balance, or replace equipment producing objectionable noise or vibration in the occupied areas of the buildings. Provide additional brackets, bracing, or other methods to prevent objectionable noise or vibration. All systems shall operate without humming, surging, or rapid cycling.
- E. Properly mount all operation instructions for equipment and post as specified in their respective Sections.
- F. Job Record specifications and prints “as-builts” shall be completed, signed, and submitted to the District Representative as specified in respective Specification Sections.
- G. Submit to the District Representative, the material and equipment maintenance instructions, as specified in the body of the Specification Sections.

- H. Submit to the District Representative, all warranties, guarantees, and bonds, as specified in the body of the Specification Sections.
- I. When requested, submit certificates indicating payment of all debts and Claims arising from the Work.
- J. Deliver all tools which are a permanent part of equipment installed in the Work to the District Representative.
- K. Deliver all keys (construction and permanent), properly identified, to the District Representative.
- L. Deliver all extra stock items, as directed by the District Representative, to a location within the District.
- M. All life safety items are completed and in working order.
- N. Electrical circuits scheduled in panels and disconnect switches labeled.
- O. Grounds cleared of Contractor's equipment, raked clean of debris, and trash removed from Site.
- P. Work cleaned, free of stains, scratches, marks, dirt, superfluous labels, and other foreign matter, replacement of damaged and broken material.
- Q. Finished and decorative work shall have marks, dirt and superfluous labels removed.
- R. Final cleanup complete.

## PART 2 – PRODUCTS (Not used)

## PART 3 – EXECUTION

### 3.01 SUBSTANTIAL COMPLETION

- A. Inspection Procedures: After all requirements preparatory to the final inspection have been completed, as herein specified in the Specification Sections, the Contractor will notify in writing the District Representative, Architect, and Project Inspector to perform the final inspection.
  - 1. If after inspection of the Work, District Representative does not consider the Work complete, District Representative will notify Contractor.
  - 2. If after inspection, District Representative considers the Work complete, Architect shall prepare a Punch List of items to be corrected.
- B. Re-inspection Procedures: Project Inspector, District Representative, Contractor and Architect will inspect the Work upon notice the Work, including final inspection list items from earlier inspections, has been completed, except for items whose completion is delayed under circumstances acceptable to District Representative.
  - 1. Upon completion of inspection, District Representative will recommend Final Completion. If the Work is incomplete, District Representative will advise Contractor of Work that is incomplete or of obligations that have not been fulfilled but are required for Final Completion.
  - 2. If necessary, re-inspection will be repeated, but may be assessed against Contractor if Owner is subject to additional professional service and or additional costs of inspection.

### 3.02 PROJECT RECORD DOCUMENT SUBMITTAL

- A. General: Do not use project record documents for construction purposes. Protect record documents from deterioration and loss. Provide access to record documents for Architect, Project Inspector, and District Representative reference during normal working hours. Project record document shall be updated on a daily basis prior to work being concealed. Prior to submitting each application for payment, secure Project Inspector approval of project record documents.

- B. Record Drawings: Maintain a clean, undamaged set of prints of Drawings and Shop Drawings. Mark the set to show the actual installation where the installation varies from the Work as originally shown. Mark the Drawing that is most capable of showing conditions fully and accurately. Where Shop Drawings are used, record a cross-reference at the corresponding location on the Drawings. Provide detailed and accurate field dimensions for concealed elements that would be difficult to measure and record at a later date.
1. Mark record sets with red erasable pencil. Use other colors to distinguish between variations in separate categories of the Work. Date and number entries in the same format as submitted. Call attention to entry by a “cloud” around the affected areas.
  2. Mark new information important to Owner but was not shown on Drawings or Shop Drawings.
  3. Utility mainlines and duct-banks within the building footprint shall be indicated by location and depth below finished grade. All utilities and above ceilings and attic spaces shall be fully dimensioned and indicated on record drawings. Dimensions shall be measured from building lines or permanent landmarks and shall be triangulated to those features.
  4. Note related Change Order or Construction Directive numbers where applicable. RFI submissions shall be referenced on each affected sheet, Drawing and Shop Drawing.
  5. Organize record drawing sheets into manageable sets. Bind sets with durable-paper cover sheets; print suitable titles, dates, and other identification on the cover of each set.
  6. Prior to Contract Completion of the Work, review of the project record drawings by Architect; prepare a final set of project record drawings and submit to Architect.
- C. Record Specifications: Maintain one (1) complete copy of the Specifications, including Addenda. Include with the Specifications two copies of other written Contract Documents, such as Change Orders or Construction Directives issued during construction.
1. Mark these record documents to show substantial variations in actual Work performed in comparison with the text of the Specifications and modifications.
  2. Give particular attention to substitutions and selection of options and information on concealed Work that cannot otherwise be readily discerned later by direct observation.
  3. Note related record document information with Product Data.
  4. Prior to Contract Completion of the Work, submit record Specifications to Architect for Owner records.
- D. Record Samples: Immediately prior to Substantial Completion, Contractor shall meet with Architect and District Representative at the Project site to determine which Samples are to be transmitted to Owner for record purposes. Comply with District Representative instructions regarding delivery to Owner storage area.
- E. Miscellaneous Records: Refer to other Specification sections for requirements of miscellaneous record keeping and submittals in connection with actual performance of the Work. Prior to the date of Contract Completion, complete and compile miscellaneous records and place in good order. Identify miscellaneous records properly and bind or file, ready for continued use and reference. Submit to Architect for Owner records.
- F. Maintenance Manuals: Shall be submitted and approved by the Architect prior to startup of the corresponding system/product. Organize operation and maintenance data into one (1) set of manageable size. Bind properly, indexed data in individual, heavy-duty, three-inch 3-ring, vinyl-covered binders, with pocket folders for folded sheet information. Mark appropriate identification on front and spine of each binder. Provide a table of contents in front and all items shall be indexed with tabs. Each manual shall also contain a list of subcontractors, with their scope of work, addresses, phone numbers, email, and the names of persons to contact in cases of emergency. Identifying labels shall provide names of manufactures, their addresses, ratings, and capacities of equipment and machinery. Submit to Architect for Owner records. Include the following types of information.



1. Table of Contents (in each binder)
  2. Emergency instructions.
  3. Spare parts list.
  4. Copies of warranties.
  5. Wiring diagrams.
  6. Recommended “turn-around” cycles.
  7. Inspection procedures.
  8. Shop Drawings and Product Data.
  9. Fixture lamping schedule.
  10. Note which items also have video training.
- G. Provide one (1) electronic version of all documents listed above as one sourced PDF with word-searchable text and bookmarks for each product to the District Representative.

3.03

OPERATION AND MAINTENANCE:

- A. Operation and Maintenance Instructions: Prior to Substantial Completion, arrange for each installer of equipment that requires regular operation and maintenance to meet with designated Owner personnel to provide instruction in proper operation and maintenance. Provide instruction by manufacturer’s representatives if installers are not experienced in operation and maintenance procedures. Include a detailed review of the following items:
1. Maintenance manuals.
  2. Spare parts and materials.
  3. Tools.
  4. Lubricants.
  5. Fuels.
  6. Identification systems.
  7. Control sequences.
  8. Hazards.
  9. Cleaning.
  10. Warranties and bonds.
  11. Maintenance agreements and similar continuing commitments.
- B. As part of instruction for operating equipment, demonstrate the following procedures:
1. Start-up.
  2. Shutdown.
  3. Emergency operations.
  4. Noise and vibration adjustments.
  5. Safety procedures.
  6. Economy and efficiency adjustments.
  7. Effective energy utilization.
- C. Notice of Termination: Contractor shall submit a Notice of Termination (NOT) to the District for District issuance to the local Regional Water Quality Control Board (RWQCB). Provide a copy of NOT to District Representative.

## FINAL CLEANING

- A. General: The Contractor shall be solely responsible for all cleaning operations during the Project.
- B. Cleaning: Employ experienced workers or professional cleaners for final cleaning. Clean each surface or unit to the condition expected in a normal, commercial building cleaning and maintenance program. Comply with manufacturer's instructions.
  - 1. Complete the following cleaning operations before requesting inspection for a certificate of Substantial Completion.
    - a. Remove labels that are not permanent labels.
    - b. Clean transparent materials, including mirrors and glass in doors and windows. Remove glazing compounds and other substances that are noticeable vision-obscuring materials. Replace chipped or broken glass and other damaged transparent materials.
    - c. Clean exposed exterior and interior hard-surfaced finished to a dust-free condition, free of stains, films, and similar foreign substances. Restore reflective surfaces to their original condition. Leave concrete floors broom clean. Remove construction paint from any exposed concrete surfaces. Vacuum carpeted surfaces.
    - d. Wipe surfaces of mechanical and electrical equipment. Remove excess lubrication and other substances. Clean plumbing fixtures to a sanitary condition. Clean light fixtures and lamps.
    - e. Clean the Project site, including landscape development areas, of rubbish, litter, and other foreign substances. Sweep paved areas broom clean; remove stains, spills, and other foreign deposits. Rake grounds that are neither paved nor planted to a smooth, even-textured surface.
    - f. Complete the final filter change replacing all HVAC filters. Ensure accessibility is adequate for maintenance.
    - g. Pressure wash exterior concrete flatwork, building entry ways, exterior site fencing and building exterior clear and free of dust and equipment track marks as needed. Repair and patch chipped concrete or paving locations.
    - h. Sack and patch all exposed concrete wall surfaces to eliminate honeycomb, form nail holes, and/or dowel locations for a complete uniform finish.
    - i. Dust and polish wood surfaces.
    - j. Remove all new equipment, fixtures, and glass protection film.
    - k. Clear roof of all construction debris and trash.

END OF SECTION 01 77 00

WARRANTY PROCEDURES

***Revised, Addendum 02, 04/29/22***

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. This Section includes procedural requirements for warranties, including manufacturers and installer's standard warranties on products and special product warranties.

1.02 RELATED SECTIONS

- A. General Conditions.
- B. Construction Services Agreement.
- C. Section 01 32 29: Project Forms.
- D. Section 01 73 29: Cutting and Patching.
- E. Division 2 through Division 32.

1.03 SUBMITTALS

- A. Form of Submittal: In accordance with the General Conditions, compile one (1) copy of each required final warranty properly executed by Contractor, or by Contractor and Subcontractor, installer, supplier, or manufacturer. Organize the warranty documents into an orderly sequence as approved by the District Representative and provide a table of contents.
- B. Bind warranties and bonds in heavy-duty, commercial-quality, durable three ring, vinyl-covered loose-leaf binders, thickness as necessary to accommodate contents, and sized to receive 8½ by 11 paper.
  - 1. Provide heavy paper dividers with celluloid covered tabs for each separate warranty. Mark the tab to identify the item or installation. Provide a typed description of the product or installation, including the name of the product, and the name, address, and telephone number of the installer.
  - 2. Identify each binder on the front and spine with the typed or printed title "WARRANTIES," Project title and/or name, and name of Contractor.
  - 3. When warranted Work requires operation and maintenance manuals, provide additional copies of each required warranty, as necessary, for inclusion in each required manual.
- C. Provide one (1) electronic version of all documents listed above as one sourced PDF with word-searchable text and bookmarks for each product to the District Representative.
- D. Provide a Warranty Guarantee Form on the District's form provided in Section 01 32 29 as part of the Closeout documentation.

PART 2 – PRODUCTS (Not applicable)

PART 3 – EXECUTION (Not applicable)

END OF SECTION 01 78 36

SECTION 08 71 00 – DOOR HARDWARE

***Revised, Addendum 02, 04/29/22***

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes:
  - 1. Mechanical and electrified door hardware for:
    - a. Swinging doors.
    - b. Gates.
- B. Exclusions: Unless specifically listed in hardware sets, hardware is not specified in this section for:
  - 1. Windows
  - 2. Cabinets (casework), including locks in cabinets
  - 3. Signage
  - 4. Toilet accessories
  - 5. Overhead doors
  - 6. Installation.
  - 7. Rough hardware.
  - 8. Conduit, junction boxes & wiring.
  - 9. Sliding aluminum doors, except cylinders where detailed.
  - 10. Access doors and panels, except cylinders where detailed.
- C. Related Sections:
  - 1. Division 01 Section "Alternates" for alternates affecting this section.
  - 2. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
  - 3. Division 08 – metal doors and frames, interior aluminum frames, wood doors, storefront and glazed curtainwall systems.
  - 4. Division 26 sections for connections to electrical power system and for low-voltage wiring.
  - 5. Division 28 sections for coordination with other components of electronic access control system.

1.3 REFERENCES

- A. UL - Underwriters Laboratories
  - 1. UL 10B - Fire Test of Door Assemblies
  - 2. UL 10C - Positive Pressure Test of Fire Door Assemblies
  - 3. UL 1784 - Air Leakage Tests of Door Assemblies
  - 4. UL 305 - Panic Hardware
- B. ANSI - American National Standards Institute

1. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
- C. NFPA – National Fire Protection Association
  1. NFPA 80 – Standard for Fire Doors and Other Opening Protectives.
  2. NFPA 105 – Smoke and Draft Control Door Assemblies
  3. NFPA 252 – Fire Tests of Door Assemblies
- D. UL – Underwriters Laboratories
  1. UL10C – Positive Pressure Fire Tests of Door Assemblies.
  2. UL 305 – Panic Hardware
- E. BHMA – Builders Hardware Manufacturers Association
- F. California Code of Regulations
  1. Title 24: California Building Standards Code
  2. 2019 California Building Code
    - a. Chapter 11B – Accessibility To Public Buildings, Public Accommodations, Commercial Buildings and Public Housing

#### 1.4 SUBMITTALS

- A. General:
  1. Submit in accordance with Conditions of Contract and Division 01 requirements.
  - 2.
- B. Action Submittals:
  1. Product Data: Product data including manufacturers' technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
  2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
    - a. Wiring Diagrams: For power, signal, and control wiring and including:
      - 1) Details of interface of electrified door hardware and building safety and security systems.
      - 2) Schematic diagram of systems that interface with electrified door hardware.
      - 3) Point-to-point wiring.
      - 4) Risers.
  3. Samples for Verification: ~~If requested by Architect,~~ submit production sample or sample installations of each type of exposed hardware unit in finish indicated, and tagged with full description for coordination with schedule. **ADD 02**
    - a. Samples will be returned to supplier in like-new condition. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.
  4. Door Hardware Schedule: Submit schedule with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule as published by the Door and Hardware Institute. Indicate complete designations of each item required for each door or opening, include:
    - a. Door Index; include door number, heading number, and Architects hardware set number.

- b. Opening Lock Function Spreadsheet: List locking device and function for each opening.
- c. Type, style, function, size, and finish of each hardware item.
- d. Name and manufacturer of each item.
- e. Fastenings and other pertinent information.
- f. Location of each hardware set cross-referenced to indications on Drawings.
- g. Explanation of all abbreviations, symbols, and codes contained in schedule.
- h. Mounting locations for hardware.
- i. Door and frame sizes and materials.
- j. Name and phone number for local manufacturer's representative for each product.
- k. Operational Description of openings with any electrified hardware (locks, exits, electromagnetic locks, electric strikes, automatic operators, door position switches, magnetic holders or closer/holder units, and access control components).  
Operational description should include how door will operate on egress, ingress, and fire and smoke alarm connection.
  - 1) Submittal Sequence: Submit door hardware schedule concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work that is critical in Project construction schedule.

5. Key Schedule:

- a. Initiate and conduct meeting(s) with Owner representatives and hardware supplier to determine system keyway(s), keybow styles, structure, stamping, degree of physical security and degree of geographic exclusivity. Furnish Owner's written approval of the system; do not order keys or cylinders without written confirmation of actual requirements from the Owner.
- b. After Keying Conference, provide keying schedule listing levels of keying as well as explanation of key system's function, key symbols used and door numbers controlled.
- c. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
- d. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
- e. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
- f. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion.
  - 1) Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.

6. Templates: After final approval of hardware schedule, provide templates for doors, frames and other work specified to be factory prepared for door hardware installation.

C. Informational Submittals:

- 1. Qualification Data: For Supplier and Installer.
- 2. Product Certificates for electrified door hardware, signed by manufacturer:
  - a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
- 3. Certificates of Compliance:

- a. Electrified Hardware Coordination Conference Certification: Letter of compliance, signed by Contractor, attesting to completion of electrified hardware coordination conference, specified in "QUALITY ASSURANCE" article, herein.
- 4. Warranty: Special warranty specified in this Section.
- D. Closeout Submittals:
  - 1. Operations and Maintenance Data : Provide in accordance with Division 01 and include:
    - a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
    - b. Catalog pages for each product.
    - c. Name, address, and phone number of local representative for each manufacturer.
    - d. Final approved hardware schedule, edited to reflect conditions as-installed.
    - e. Final keying schedule
    - f. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.
    - g. Copy of warranties including appropriate reference numbers for manufacturers to identify project.

## 1.5 QUALITY ASSURANCE

- A. Product Substitutions: Comply with product requirements stated in Division 01 and as specified herein.
  - 1. Where specific manufacturer's product is named and accompanied by "No Substitute," including make or model number or other designation, provide product specified. (Note: Certain products have been selected for their unique characteristics and particular project suitability.)
    - a. Where no additional products or manufacturers are listed in product category, requirements for "No Substitute" govern product selection.
  - 2. Where products indicate "acceptable manufacturers" or "acceptable manufacturers and products", provide product from specified manufacturers, subject to compliance with specified requirements and "Single Source Responsibility" requirements stated herein.
- B. Supplier Qualifications and Responsibilities: Recognized architectural hardware supplier with record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project.
  - 1. Scheduling Responsibility: Preparation of door hardware and keying schedules.
  - 2. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.
  - 3. Coordination Responsibility: Coordinate installation of electronic security hardware with ~~Architect and electrical engineers and provide installation and technical data to Architect and other related subcontractors.~~ Owner's security consultant. **ADD 02**
    - a. Upon completion of electronic security hardware installation, inspect and verify that all components are working properly.
- C. Installer Qualifications: Qualified tradesmen, skilled in application of commercial grade hardware with record of successful in-service performance for installing door hardware similar in quantity, type, and quality to that indicated for this Project.
- D. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

1. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated.
- E. Fire-Rated Door Openings: Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed and are identical to products tested by Underwriters Laboratories, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.
- F. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
  1. Air Leakage Rate: Maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.
- G. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.
- H. Means of Egress Doors: Latches do not require more than 5 lbs (67 N) to release latch. Locks do not require use of key, tool, or special knowledge for operation.
- I. Accessibility Requirements: For door hardware on doors in an accessible route, comply with governing accessibility regulations cited in "REFERENCES" article, herein.
  1. Provide operating devices that do not require tight grasping, pinching, or twisting of wrist and that operate with force of not more than 5 lbs (22.2 N).
  2. Maximum opening-force requirements:
    - a. Interior, Non-Fire-Rated Hinged Doors: 5 lbs (22.2 N) applied perpendicular to door.
    - b. Sliding or Folding Doors: 5 lbs (22.2 N) applied parallel to door at latch.
    - c. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.
  3. Bevel raised thresholds with slope of not more than 1:2. Provide thresholds not more than 1/2 inch (13 mm) high.
  4. Adjust door closer sweep periods so that, from open position of 70 degrees, door will take at least 3 seconds to move to 3 inches (75 mm) from latch, measured to leading edge of door.
- J. Pre-installation Conference: Conduct conference at Project site to comply with requirements in Division 01.
  1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
  2. Inspect and discuss preparatory work performed by other trades.
  3. Inspect and discuss electrical roughing-in for electrified door hardware.
  4. Review sequence of operation for each type of electrified door hardware.
  5. Review required testing, inspecting, and certifying procedures.
- K. Coordination Conferences:
  1. Installation Coordination Conference: Prior to hardware installation, schedule and hold meeting to review questions or concerns related to proper installation and adjustment of door hardware.
    - a. Attendees: Door hardware supplier, door hardware installer, Contractor.
    - b. After meeting, provide letter of compliance to Architect, indicating when meeting was held and who was in attendance.



2. Electrified Hardware Coordination Conference: Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.
  - a. Attendees: electrified door hardware supplier, doors and frames supplier, electrified door hardware installer, electrical subcontractor, Owner, Owner's security consultant, Architect and Contractor.
  - b. After meeting, provide letter of compliance to Architect, indicating when coordination conference was held and who was in attendance.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site.
- B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.
  1. Deliver each article of hardware in manufacturer's original packaging.
- C. Project Conditions:
  1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
  2. Provide secure lock-up for door hardware delivered to Project, but not yet installed. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- D. Protection and Damage:
  1. Promptly replace products damaged during shipping.
  2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
  3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- E. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

#### 1.7 COORDINATION

- ~~A. Coordinate layout and installation of floor recessed door hardware with floor construction. Cast anchoring inserts into concrete. Concrete, reinforcement, and formwork requirements are specified in Division 03. **ADD 02**~~
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.
- E. Existing Openings:
  1. Prior to submittal, carefully inspect existing conditions to verify finish hardware required to complete Work, including sizes, quantities, existing hardware scheduled for re-use, and sill condition material. If conflict between the specified/scheduled hardware and existing

conditions, submit request for direction from Architect. Include date of jobsite visit in the submittal.

2. Submittals prepared without thorough jobsite visit by qualified hardware expert will be rejected as non-compliant.
- F. Direct shipments not permitted, unless approved by Contractor.

#### 1.8 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
1. Warranty Period: Years from date of Substantial Completion, for durations indicated.
    - a. Closers:
      - 1) Mechanical: 30 years.
      - 2) Electrified: 2 years.
    - b. Automatic Operators: 2 year
    - c. Exit Devices:
      - 1) Mechanical: 3 years.
      - 2) Electrified: 1 year.
    - d. Locksets:
      - 1) Mechanical: 10 years.
      - 2) Electrified: 1 year.
    - e. Continuous Hinges: Lifetime warranty
    - f. Key Blanks: Lifetime
  2. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.

#### 1.9 MAINTENANCE

- A. Maintenance Tools:
1. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

#### 1.10 REGULATORY REQUIREMENTS:

- A. Locate latching hardware between 34 inches to 44 inches above the finished floor, per 2019 California Building Code, Section 11B-404.2.7.
1. Panic hardware: locate between 36 inches to 44 inches above the finished floor.
- B. Handles, pull, latches, locks, other operable parts:
1. Readily openable from egress side with one hand and without tight grasping, tight pinching, or twisting of the wrist to operate. 2019 California Building Code Section 11B-309.4.
  2. Force required to activate the operable parts: 5.0 pounds maximum, per 2019 California Building Code Section 11B-309.4.

- C. Adjust doors to open with not more than 5.0-pounds pressure to open at exterior doors and 5.0-pounds at interior doors. As allowed per 2019 California Building Code Section 11B-404.2.9, local authority may increase the allowable pressure for fire doors to achieve positive latching, but not to exceed 15-pounds.
  - 1. Exception: exterior doors' pressure-to-open may be increased to 8.5-pounds if: at a single location, and one of a bank of eight leafs or fraction of eight, and one leaf of this bank is fitted with a low- or high-energy operator.
- D. Low-energy powered doors: comply with ANSI/BHMA A156.19. Reference: 2019 California Building Code Section 11B-404.2.9, Exception 2.
  - 1. Where powered door serves an occupancy of 150 or more, provide back-up battery power or stand-by generator power, capable of supporting a minimum of 100 cycles.
  - 2. Actuators, vertical bar type: minimum 2-inches wide, 30-inches high, bottom located minimum 5-inches above floor or ground, top located minimum 35-inches above floor or ground. Displays International Symbol of Accessibility, per 2019 California Building Code Section 11B-703.7.
  - 3. Actuators, plate type: use two at each side of the opening. Minimum 4-inches diameter or 4-inches square. Displays International Symbol of Accessibility, per 2019 California Building Code Section 11B-703.7. Locate centerline of lower plate between 7- and 8-inches above floor or ground, and upper plate between 30- and 44-inches above floor or ground.
  - 4. Actuator location: conspicuously located, clear and level floor/ground space for forward or parallel approach.
- E. Adjust door closer sweep periods so that from an open position of 90 degrees, the door will take at least 5 seconds to move to a point 12 degrees from the latch, measured to the landing side of the door, per 2019 California Building Code Section 11B-404.2.8.
  - 1. Spring hinges: adjust for 1.5 seconds minimum for 70 degrees to fully-closed.
- F. Smooth surfaces at bottom 10 inches of push sides of doors, facilitating push-open with wheelchair footrests, per 2019 California Building Code Section 11B-404.2.10.
  - 1. Applied kickplates and armor plates: bevel the left and right edges; free of sharp or abrasive edges.
  - 2. Tempered glass doors without stiles: bottom rail may be less than 10 inches if top leading edge is tapered 60 degrees minimum.
- G. Door opening clear width no less than 32 inches, measured from face of frame stop, or edge of inactive leaf of pair of doors, to door face with door opened to 90 degrees. Hardware projection not a factor in clear width if located above 30 inches and below 80 inches, and the hardware projects no more than 4 inches. 2019 California Building Code Section 11B-404.2.3.
  - 1. Exception: In alterations, a projection of 5/8 inch (15.9 mm) maximum into the required clear width shall be permitted for the latch side stop.
  - 2. Door closers and overhead stops: not less than 78 inches above the finished floor or ground, per 2019 California Building Code 11B-307.4.
- H. Thresholds: floor or landing no more than 0.50 inches below the top of the threshold of the doorway, per 2019 California Building Code Section 11B-404.2.5. Vertical rise no more than 0.25 inches, change in level between 0.25 inches and 0.50 inches: beveled to slope no greater than 1:2 (50 percent slope). 2019 California Building Code Section 11B-303.2 & ~.3.

- I. Floor stops: Do not locate in path of travel. Locate no more than 4 inches from walls, per DSA Policy #99-08 (Access).
- J. Pairs of doors with independently-activated hardware both leafs: limit swing of right-hand or right-hand-reverse leaf to 90 degrees to protect persons reading wall-mounted tactile signage, per 2019 California Building Code Section 11B-703.4.2.
- K. Door and door hardware encroachment: when door is swung fully-open into means-of-egress path, the door may not encroach/project more than 7 inches into the required exit width, with the exception of door release hardware such as lockset levers or panic hardware. These hardware items must be located no less than 34-inches and no more than 44-inches above the floor/ground. 2019 California Building Code, Section 1005.7.1.
- L. In I-2 occupancies, latch release hardware is not permitted to project in the required exit width, regardless of its mounting height, per 2019 California Building Code, Section 1005.7.1 at Exception 1.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.
- B. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturer" in the individual article for the product category shall be in accordance with QUALITY ASSURANCE article, herein.
- C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Hand of Door: Drawings show direction of slide, swing, or hand of each door leaf. Furnish each item of hardware for proper installation and operation of door movement as shown.
- E. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

### 2.2 MATERIALS

- A. Fasteners
  - 1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
  - 2. Furnish screws for installation with each hardware item. Finish exposed (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
  - 3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite face is exposed in other work unless thru-bolts are required to fasten hardware securely. Review door specification and advise Architect if thru-bolts are required.
  - 4. Install hardware with fasteners provided by hardware manufacturer.

- B. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.
  - 1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

## 2.3 HINGES

### A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product: Ives 5BB series
- 2. Acceptable Manufacturers and Products: Hager BB series, McKinney TA/T4A series, Stanley FBB Series

### B. Requirements:

- 1. Provide five-knuckle ball bearing hinges conforming to ANSI/BHMA A156.1.
- 2. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
  - a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
  - b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high
- 3. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
  - a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
  - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
- 4. 2 inches or thicker doors:
  - a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
  - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
- 5. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
- 6. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.
- 7. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
  - a. Steel Hinges: Steel pins
  - b. Non-Ferrous Hinges: Stainless steel pins
  - c. Out-Swinging Exterior Doors: Non-removable pins
  - d. Out-Swinging Interior Lockable Doors: Non-removable pins
  - e. Interior Non-lockable Doors: Non-rising pins
- 8. Width of hinges: 4-1/2 inches (114 mm) at 1-3/4 inch (44 mm) thick doors, and 5 inches (127 mm) at 2 inches (51 mm) or thicker doors. Adjust hinge width as required for door, frame, and wall conditions to allow proper degree of opening.
- 9. Doors 36 inches (914 mm) wide or less furnish hinges 4-1/2 inches (114 mm) high; doors greater than 36 inches (914 mm) wide furnish hinges 5 inches (127 mm) high, heavy weight or standard weight as specified.
- 10. Provide hinges with electrified options as scheduled in the hardware sets. Provide with sufficient number and wire gage to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component.
- 11. Provide mortar guard for each electrified hinge specified.
- 12. Provide spring hinges where specified. Provide two spring hinges and one bearing hinge per door leaf for doors 90 inches (2286 mm) or less in height. Provide one additional bearing hinge for each 30 inches (762 mm) of additional door height.

## ~~2.4 CONTINUOUS HINGES~~

### ~~A. Aluminum Geared~~

#### ~~1. Manufacturers:~~

- ~~a. Scheduled Manufacturer: Ives.~~
- ~~b. Acceptable Manufacturers: Markar, Stanley.~~

#### ~~2. Requirements:~~

- ~~a. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.~~
- ~~b. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum, with 0.25-inch (6 mm) diameter Teflon coated stainless steel hinge pin.~~
- ~~c. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.~~
- ~~d. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.~~
- ~~e. On fire-rated doors, provide aluminum geared continuous hinges that are classified for use on rated doors by testing agency acceptable to authority having jurisdiction.~~
- ~~f. Provide aluminum geared continuous hinges with electrified option scheduled in the hardware sets. Provide with sufficient number and wire gage to accommodate electric function of specified hardware.~~
- ~~g. Install hinges with fasteners supplied by manufacturer.~~
- ~~h. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern. **ADD 02**~~

## ~~2.5 ELECTRIC POWER TRANSFER~~

### ~~A. Manufacturers:~~

- ~~a. Scheduled Manufacturer: Von Duprin EPT-10~~
- ~~b. Acceptable Manufacturers: ABH PT1000, Securitron CEPT-10~~

### ~~B. Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gage of wires sufficient to accommodate electric function of specified hardware.~~

### ~~C. Locate electric power transfer per manufacturer's template and UL requirements, unless interference with operation of door or other hardware items. **ADD 02**~~

## 2.6 FLUSH BOLTS

### A. Manufacturers:

- 1. Scheduled Manufacturer: Ives
- 2. Acceptable Manufacturers: Rockwood, Trimco

### B. Requirements:

- 1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.

## 2.7 COORDINATORS

### A. Manufacturers:

1. Scheduled Manufacturer: Ives
2. Acceptable Manufacturers: Rockwood, Trimco

### B. Requirements:

1. Where pairs of doors are equipped with automatic flush bolts, an astragal, or other hardware that requires synchronized closing of the doors, provide bar-type coordinating device, surface applied to underside of stop at frame head.
2. Provide filler bar of correct length for unit to span entire width of opening, and appropriate brackets for parallel arm door closers and surface vertical rod exit device strikes. Factory-prep coordinators for vertical rod devices if required.

## 2.8 MORTISE LOCKS

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage L9000 series
2. Acceptable Manufacturers and Products: No substitute.

### B. Requirements:

1. Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1 Operational, Grade 1 Security, and manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to "KEYING" article, herein.
2. Provide locks with standard 2-3/4 inches (70 mm) backset with full 3/4 inch (19 mm) throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1 inch (25 mm) throw, constructed of stainless steel.
3. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
4. Provide electrified options as scheduled in the hardware sets. Where scheduled, provide a request to exit (RX) switch that is actuated with rotation of inside lever.
5. Provide motor based electrified locksets with electrified options as scheduled in the hardware sets and comply with the following requirements:
  - a. Universal input voltage – single chassis accepts 12 or 24V DC to allow for changes in the field without changing lock chassis.
  - b. Fail Safe/Fail Secure – changing mode between electrically locked (fail safe) and electrically unlocked (fail secure) is field selectable without opening the lock case
  - c. Low maximum current draw – maximum 0.4 amps to allow for multiple locks on a single power supply.
  - d. Low holding current – maximum 0.01 amps to produce minimal heat, eliminate "hot levers" in electrically locked applications, and to provide reliable operation in wood doors that provide minimal ventilation and air flow.
  - e. Request to Exit Switch (RX) –
    - 1) Modular Design – provide electrified locks capable of using, adding, or changing a modular RX switch without opening the lock case.
    - 2) Monitoring – where scheduled, provide a request to exit (RX) switch that detects rotation of the inside lever.
  - f. UL Listed – 3 hour fire door
6. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.

- a. Lever Design: As scheduled.
- C. Padlocks:
  - 1. Manufacturers and Products:
    - a. Scheduled Manufacturer and Product: American 5200 series
  - 2. Requirements:
    - a. Provide padlocks with 1 inch (25 mm) shackle height, unless noted otherwise, as specified. Cylinders: Refer to “KEYING” article, herein.

## 2.9 EXIT DEVICES

- A. Manufacturers and Products:
  - 1. Scheduled Manufacturer and Product: Von Duprin 98 series
  - 2. Acceptable Manufacturers and Products: No substitute
- B. Requirements:
  - 1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1, and UL listed for Panic Exit or Fire Exit Hardware. Cylinders: Refer to “KEYING” article, herein.
  - 2. Provide touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
  - 3. Touchpad: Extend minimum of one half of door width. Match exit device finish, stainless steel for US26, US26D, US28, US32, and US32D finishes; and for all other finishes, provide compatible finish to exit device. No plastic inserts are allowed in touchpads.
  - 4. Provide exit devices with dead-latching feature for security and for future addition of alarm kits and/or other electrified requirements.
  - 5. Provide flush end caps for exit devices.
  - 6. Provide exit devices with manufacturer's approved strikes.
  - 7. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
  - 8. Mount mechanism case flush on face of doors, or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
  - 9. Provide cylinder dogging at non-fire-rated exit devices.
  - 10. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
  - 11. Where lever handles are specified as outside trim for exit devices, provide heavy-duty lever trims with forged or cast escutcheon plates. Provide vandal-resistant levers that will travel to 90-degree down position when more than 35 pounds of torque are applied, and which can easily be re-set.
    - a. Lever Style: Match lever style of locksets.
  - 12. Accessibility: Maximum 5lbs force to retract latch bolt per CBC Chapter 11B.
    - “AX” feature: touchpad directly retracts the latchbolt with 5 lb or less of force. Provide testing lab certification confirming that the mechanical device is independent third-party tested to meet this 5 lb requirement.
  - 13. Provide UL labeled fire exit hardware for fire rated openings.
  - 14. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
  - 15. Provide electrified options as scheduled.



## 2.10 POWER SUPPLIES

### A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage or Von Duprin PS900 series
2. Acceptable Manufacturers and Products: Securitron BPS series, Security Door Controls 600 series

### B. Requirements:

1. Provide power supplies, recommended and approved by manufacturer of electrified locking component, for operation of electrified locks, electrified exit devices, magnetic locks, electric strikes, and other components requiring power supply.
2. Provide appropriate quantity of power supplies necessary for proper operation of electrified locking components as recommended by manufacturer of electrified locking components with consideration for each electrified component using power supply, location of power supply, and approved wiring diagrams. Locate power supplies as directed by Architect.
3. Provide regulated and filtered 24 VDC power supply , and UL class 2 listed.
4. Options:
  - a. Provide power supply, where specified, with internal capability of charging sealed backup batteries 24 VDC, in addition to operating DC load.
  - b. Provide sealed batteries for battery back-up at each power supply where specified.
  - c. Provide keyed power supply cabinet.
5. Provide power supply in an enclosure, complete, and requiring 120VAC to fused input.
6. Provide power supply with emergency release terminals, where specified, that allow release of all devices upon activation of fire alarm system complete with fire alarm input for initiating "no delay" exiting mode.

## 2.11 CYLINDERS

### A. Manufacturers:

1. Scheduled Manufacturer: Russwin
2. Acceptable Manufacturers: No substitute.

### B. Requirements:

1. Provide cylinders to match Owner's existing key system, compliant with ANSI/BHMA A156.5; latest revision, Section 12, Grade 1; permanent cylinders; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
2. Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.
  - a. Exterior: Provide N15 keyway
  - b. Interior: Provide N21 keyway
  - c. Card reader locations: Provide N15 keyway.
3. Temporary Construction Cylinder Keying.
  - a. Provide construction cores that permit voiding construction keys without cylinder removal, furnished in accordance with the following requirements.
    - 1) Split Key or Lost Ball Construction Keying System.
    - 2) 3 construction control keys, and extractor tools or keys as required to void construction keying.
    - 3) 12 construction change (day) keys.

- b. Owner or Owner's Representative will void operation of temporary construction keys.

## 2.12 KEYING

- A. Provide cylinders/cores keyed into Owner's existing factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.
- B. Requirements:
  - 1. Provide permanent cylinders keyed by the manufacturer according to the following key system.
    - a. Master Keying system as directed by the Owner.
  - 2. Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements shall be cause for replacement of cylinders/cores involved at no additional cost to Owner.
  - 3. Provide keys with the following features:
    - a. Material: Nickel silver; minimum thickness of .107-inch (2.3mm)
  - 4. Identification:
    - a. Mark permanent cylinders/cores and keys with applicable blind code per DHI publication "Keying Systems and Nomenclature" for identification. Blind code marks shall not include actual key cuts.
    - b. Identification stamping provisions must be approved by the Architect and Owner.
    - c. Stamp cylinders/cores and keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE".
    - d. Failure to comply with stamping requirements shall be cause for replacement of keys involved at no additional cost to Owner.
    - e. Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.
  - 5. Quantity: Furnish in the following quantities.
    - a. Change (Day) Keys: 3 per cylinder.
    - b. Master Keys: 6.

## 2.13 DOOR CLOSERS

- A. Manufacturers and Products:
  - 1. Scheduled Manufacturer and Product: LCN 4040XP series.
  - 2. Acceptable Manufacturers and Products: No Substitute.
- B. Requirements:
  - 1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
  - 2. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.
  - 3. Cylinder Body: 1-1/2 inch (38 mm) diameter with 3/4 inch (19 mm) diameter double heat-treated pinion journal.
  - 4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.

5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers.
8. Pressure Relief Valve (PRV) Technology: Not permitted.
9. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).
10. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

## ~~2.14 ELECTRO-HYDRAULIC AUTOMATIC OPERATORS~~

### ~~A. Manufacturers and Products:~~

- ~~1. Scheduled Manufacturer and Product: LCN 4600 series~~
- ~~2. Acceptable Manufacturers and Products: No substitute.~~

### ~~B. Requirements:~~

- ~~1. Provide low energy automatic operator units with hydraulic closer complying with ANSI/BHMA A156.19.~~
- ~~2. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.~~
- ~~3. Provide units with conventional door closer opening and closing forces unless power operator motor is activated. Provide door closer assembly with adjustable spring size, back check, and opening and closing speed adjustment valves to control door~~
- ~~4. Provide units with on/off switch for manual operation, motor start up delay, vestibule interface delay, electric lock delay, and door hold open delay.~~
- ~~5. Provide units with conventional door closer opening and closing forces unless power operator motor is activated. Provide door closer assembly with adjustable spring size, back check valve, sweep valve, latch valve to control door.~~
- ~~6. Provide drop plates, brackets, or adapters for arms as required for details.~~
- ~~7. Provide hard wired actuator switches for operation as specified.~~
- ~~8. Provide weather resistant actuators at exterior applications.~~
- ~~9. Provide key switches with LED's, recommended and approved by manufacturer of automatic operator as required for function described in operation description of hardware group below. Cylinders: Refer to "KEYING" article, herein.~~
- ~~10. Provide complete assemblies of controls, switches, power supplies, relays, and parts/material recommended and approved by manufacturer of automatic operator for each individual leaf. Actuators control both doors simultaneously at pairs. Sequence operation of exterior and vestibule doors with automatic operators to allow ingress or egress through both sets of openings as directed by Architect. Locate actuators, key switches, and other controls as directed by Architect.~~
- ~~11. Provide units with vestibule inputs that allow sequencing operation of two units, and SPDT relay for interfacing with latching or locking devices. **ADD 02**~~

## 2.15 DOOR TRIM

### A. Manufacturers:

1. Scheduled Manufacturer: Ives
2. Acceptable Manufacturers: Rockwood, Trimco

B. Requirements:

1. Provide push plates 4 inches (102 mm) wide by 16 inches (406 mm) high by 0.050 inch (1 mm) thick and beveled 4 edges. Where width of door stile prevents use of 4 inches (102 mm) wide plate, adjust width to fit.
2. Provide push bars of solid bar stock, diameter and length as scheduled. Provide push bars of sufficient length to span from center to center of each stile. Where required, mount back to back with pull.
3. Provide offset pulls of solid bar stock, diameter and length as scheduled. Where required, mount back to back with push bar.
4. Provide flush pulls as scheduled. Where required, provide back-to-back mounted model.
5. Provide pulls of solid bar stock, diameter and length as scheduled. Where required, mount back to back with push bar.
6. Provide pull plates 4 inches (102 mm) wide by 16 inches (406 mm) high by 0.050 inch (1 mm) thick, beveled 4 edges, and prepped for pull. Where width of door stile prevents use of 4 inches (102 mm) wide plate, adjust width to fit.
7. Provide wire pulls of solid bar stock, diameter and length as scheduled.
8. Provide decorative pulls as scheduled. Where required, mount back to back with pull.

## 2.16 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer: Ives
2. Acceptable Manufacturers: Rockwood, Trimco

B. Requirements:

1. Provide kick plates, mop plates, and armor plates minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes of plates:
  - a. Kick Plates: 10 inches (254 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
  - b. Mop Plates: 4 inches (102 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
  - c. Armor Plates: 36 inches (914 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs

## 2.17 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturers: Glynn-Johnson
2. Acceptable Manufacturers: Rixson, Sargent

B. Requirements:

1. Provide heavy duty concealed mounted overhead stop or holder as specified for exterior and interior vestibule single acting doors.
2. Provide heavy duty concealed mounted overhead stop or holder as specified for double acting doors.
3. Provide heavy or medium duty and concealed or surface mounted overhead stop or holder for interior doors as specified. Provide medium duty surface mounted overhead stop for interior doors and at any door that swings more than 140 degrees before striking wall, open against equipment, casework, sidelights, and where conditions do not allow wall stop or floor stop presents tripping hazard.

4. Where overhead holders are specified provide friction type at doors without closer and positive type at doors with closer.

## 2.18 DOOR STOPS AND HOLDERS

### A. Manufacturers:

1. Scheduled Manufacturer: Ives
2. Acceptable Manufacturers: Rockwood, Trimco

### B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide convex type where mortise type locks are used and concave type where cylindrical type locks are used.
2. Where a wall stop cannot be used, provide universal floor stops for low or high rise options.
3. Where wall or floor stop cannot be used, provide medium duty surface mounted overhead stop.

## 2.19 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

### A. Manufacturers:

1. Scheduled Manufacturer: Zero International
2. Acceptable Manufacturers: National Guard, Pemko

### B. Requirements:

1. Provide thresholds, weather-stripping (including door sweeps, seals, and astragals) and gasketing systems (including smoke, sound, and light) as specified and per architectural details. Match finish of other items.
2. Size of thresholds:
  - a. Saddle Thresholds: 1/2 inch (13 mm) high by jamb width by door width
  - b. Bumper Seal Thresholds: 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width
3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.

## 2.20 SILENCERS

### A. Manufacturers:

1. Scheduled Manufacturer: Ives
2. Acceptable Manufacturers: Rockwood, Trimco

### B. Requirements:

1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.

## ~~2.21 MAGNETIC HOLDERS~~

### ~~A. Manufacturers:~~

- ~~1. Scheduled Manufacturer: LCN~~ **ADD 02**

2. Acceptable Manufacturers: Rixson, Sargent

B. Requirements:

1. Provide wall or floor mounted electromagnetic door release as specified with minimum of 25 pounds of holding force. Coordinate projection of holder and armature with other hardware and wall conditions to ensure that door sits parallel to wall when fully open. Connect magnetic holders on fire-rated doors into the fire control panel for fail-safe operation.

~~2.22 MAGNETIC CATCHES~~

~~A. Manufacturers:~~

- ~~1. Scheduled Manufacturer: Ives~~
- ~~2. Acceptable Manufacturers: Engineered Products Company, Rockwood~~

~~B. Requirements:~~

- ~~1. Provide magnetic catches with self-aligning magnets that can be surface mounted or mortised.~~
- ~~2. Provide magnetic catches in an aluminum case 1 inch wide x 3 1/8 inch long. Provide dual triple pole (Ives 327), where scheduled, with 14 pound load capacity, and dual double pole catches (Ives 326), where scheduled, with 9 pound load capacity. **ADD 02**~~

~~2.23 DOOR POSITION SWITCHES~~

~~A. Manufacturers:~~

- ~~1. Scheduled Manufacturer: Schlage~~
- ~~2. Acceptable Manufacturers: GE Interlogix, Sargent~~

~~B. Requirements:~~

- ~~1. Provide recessed or surface mounted type door position switches as specified.~~
- ~~2. Coordinate door and frame preparations with door and frame suppliers. If switches are being used with magnetic locking device, provide minimum of 4 inches (102 mm) between switch and magnetic locking device. **ADD 02**~~

~~2.24 COAT HOOKS~~

~~A. Manufacturers:~~

- ~~1. Scheduled Manufacturer: Ives.~~
- ~~2. Acceptable Manufacturers: Rockwood, Trimco~~

~~B. Provide coat hooks as specified. **ADD 02**~~

2.25 FINISHES

A. Finish: BHMA 626/652 (US26D); except:

1. Hinges at Exterior Doors: BHMA 630 (US32D)
2. Continuous Hinges: BHMA 630 (US32D)
3. Continuous Hinges: BHMA 628 (US28)
4. Push Plates, Pulls, and Push Bars: BHMA 630 (US32D)
5. Protection Plates: BHMA 630 (US32D)
6. Overhead Stops and Holders: BHMA 630 (US32D)
7. Door Closers: Powder Coat to Match

- 8. Wall Stops: BHMA 630 (US32D)
- 9. Latch Protectors: BHMA 630 (US32D)
- 10. Weatherstripping: Clear Anodized Aluminum
- 11. Thresholds: Mill Finish Aluminum

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Where on-site modification of doors and frames is required:
  - 1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements specified herein.
  - 2. Field modify and prepare existing door and frame for new hardware being installed.
  - 3. When modifications are exposed to view, use concealed fasteners, when possible.
  - 4. Prepare hardware locations and reinstall in accordance with installation requirements for new door hardware and with:
    - a. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
    - b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."
    - c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation.

### 3.3 INSTALLATION

- A. Mounting Heights: Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.
  - 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
  - 2. Custom Steel Doors and Frames: HMMA 831.
  - 3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
- B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.
- C. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.
- D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.
- E. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

- F. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.
- G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated or one hinge for every 30 inches (750 mm) of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges are provided.
- H. Lock Cylinders: Install construction cylinders to secure building and areas during construction period.
- I. Wiring: Coordinate with Division 26, ELECTRICAL sections for:
  - 1. Conduit, junction boxes and wire pulls.
  - 2. Connections to and from power supplies to electrified hardware.
  - 3. Connections to fire/smoke alarm system and smoke evacuation system.
  - 4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
  - 5. Testing and labeling wires with Architect's opening number.
- J. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Closers shall not be visible in corridors, lobbies and other public spaces unless approved by Architect.
- K. Closer/Holders: Mount closer/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.
- L. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.
  - 1. Coordination: Coordinate provision with the security systems provider to mitigate excessive or redundant purchase.
  - 2. Configuration: Provide least number of power supplies required to adequately serve doors with electrified door hardware.
- M. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."
- N. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.
- O. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
- P. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- Q. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

### 3.4 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
  - 1. Spring Hinges: Adjust to achieve positive latching when door is allowed to close freely from an open position of 30 degrees.
  - 2. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three months after date of Substantial Completion, Installer shall examine and readjust each item of door hardware, including adjusting operating



forces, as necessary to ensure function of doors, door hardware, and electrified door hardware.

### 3.5 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items as necessary to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

### 3.6 DEMONSTRATION

- A. Provide training for Owner's maintenance personnel to adjust, operate, and maintain door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration and Training."

### 3.7 DOOR HARDWARE SCHEDULE

- A. Locksets, exit devices, and other hardware items are referenced in the following hardware sets for series, type and function. Refer to the above-specifications for special features, options, cylinders/keying, and other requirements.
- B. Do not order material until submittal has been reviewed, stamped, and signed by Architect's door hardware consultant.
- C. Hardware Sets:

HW SET: 01

<u>QTY</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINISH</u>	<u>MFR</u>
6	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	OFFICE/ENTRY LOCK	L9050L 03A L583-363 L283-711	626	SCH
1	EA	MORTISE CYLINDER	1000-118-A06 x N15 or N21 KEYWAY	626	RUS
1	EA	SURFACE CLOSER	4040XP EDA TBWMS	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
2	EA	FLOOR STOP	FS436/438 AS REQ'D	626	IVE
2	EA	DOOR SEAL	188SBK PSA (HEAD & JAMBS)	BK	ZER

HW SET: 02

<u>QTY</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINISH</u>	<u>MFR</u>
3	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	PANIC HARDWARE	PA-AX-98-L-2SI-03-299	626	VON
1	EA	RIM CYLINDER	3000-200 x N21 (verify)		RUS
1	EA	RIM CYL THUMBTURN	XB11-979	643e	SCH
1	EA	SURFACE CLOSER	4040XP EDA TBWMS	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	FLOOR STOP	FS436/438 AS REQ'D	626	IVE
1	EA	DOOR SEAL	188SBK PSA (HEAD & JAMBS)	BK	ZER

HW SET: 02A: Same as HW SET 02 including: **ADD 02**

<u>1</u>	<u>EA</u>	<u>ELECTRIC STRIKE</u>	<u>HES 8000</u>	<u>630</u>	<u>ASSA <b>ADD 02</b></u>
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HW SET: 03

<u>QTY</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINISH</u>	<u>MFR</u>
EXISTING HARDWARE TO REMAIN, POWER ASSISTANCE ADDED, REFER TO ELECTRICAL DWGS					

HW SET: 03A: Same as HW SET 03 including: **ADD 02**

<u>1</u>	<u>EA</u>	<u>ELECTRIC STRIKE</u>	<u>HES 8000</u>	<u>630</u>	<u>ASSA <b>ADD 02</b></u>
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HW SET: 04

<u>QTY</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINISH</u>	<u>MFR</u>
3	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	FIRE EXIT HARDWARE	PA-AX-98-L-F-2SI-03-299F	626	VON
1	EA	RIM CYLINDER	3000-200 x N21 (verify)		RUS
1	EA	RIM CYL THUMBTURN	XB11-979	643e	SCH
1	EA	SURFACE CLOSER	4040XP EDA TBWMS	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	FLOOR STOP	FS436/438 AS REQ'D	626	IVE
1	EA	DOOR SEAL	188SBK PSA (HEAD & JAMBS)	BK	ZER

HW SET: 04A: Same as HW SET 04 including: **ADD 02**

1	EA	<u>ELECTRIC STRIKE</u>	<u>HES 8000</u>	<u>630</u>	<u>ASSA <b>ADD 02</b></u>
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HW SET: 05

<u>QTY</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINISH</u>	<u>MFR</u>
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	L9080L 03A	630	SCH
1	EA	MORTISE CYLINDER	1000-118-A06 x N15 or N21 KEYWAY	626	RUS
1	EA	OH STOP & HOLDER	90H	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 05A: Same as HW SET 05 including: **ADD 02**

1	EA	<u>ELECTRIC STRIKE</u>	<u>HES 8000</u>	<u>630</u>	<u>ASSA <b>ADD 02</b></u>
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HW SET: 06

<u>QTY</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINISH</u>	<u>MFR</u>
3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	CLASSROOM LOCK	L9070L 03A	626	SCH
1	EA	MORTISE CYLINDER	1000-118-A06 x N15 or N21 KEYWAY	626	RUS
1	EA	SURFACE CLOSER	4040XP EDA TBWMS	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	FLOOR STOP	FS436/438 AS REQ'D	626	IVE
1	EA	DOOR SEAL	188SBK PSA (HEAD & JAMBS)	BK	ZER

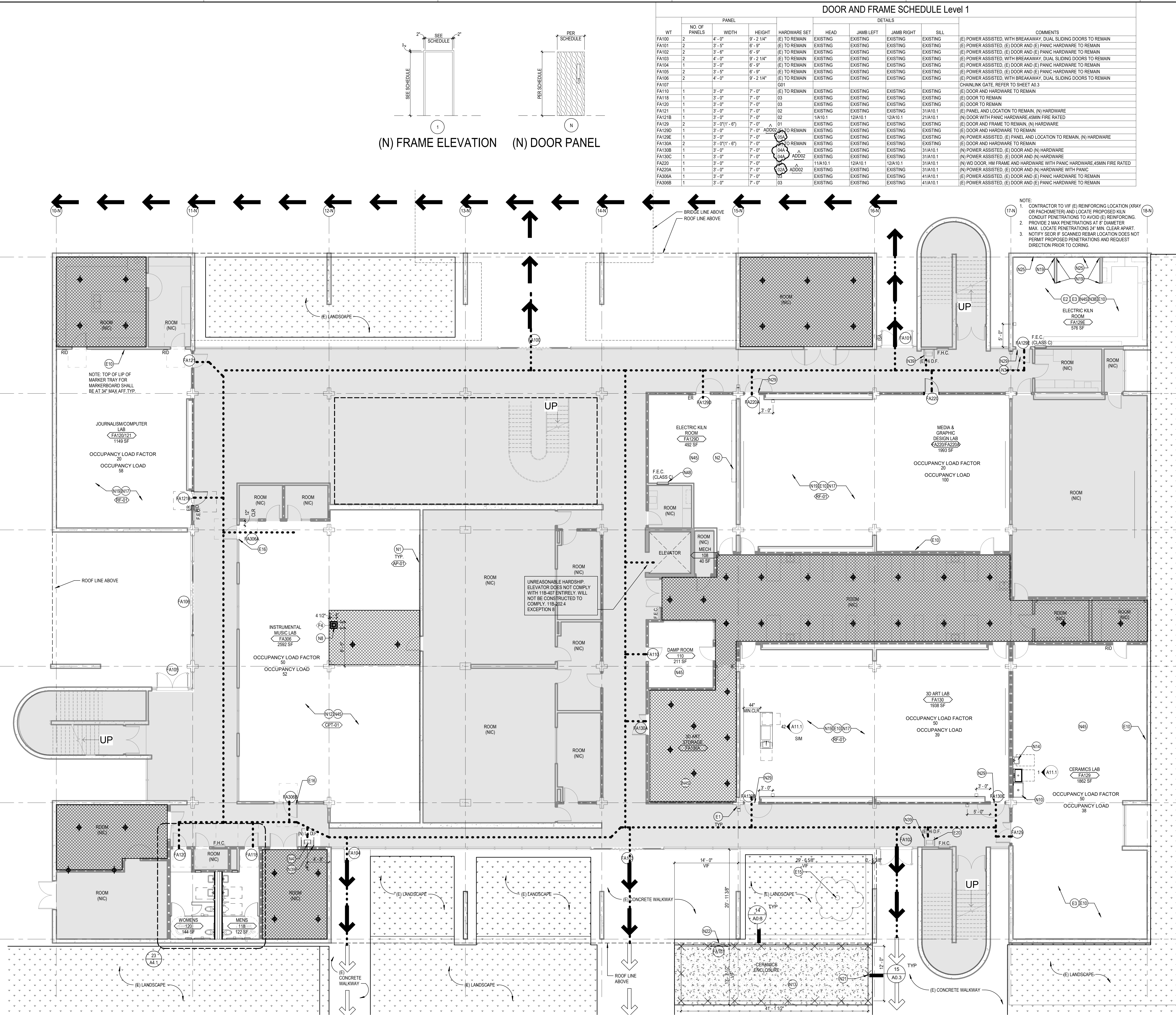
HW SET: G01

<u>QTY</u>		<u>DESCRIPTION</u>	<u>CATALOG NUMBER</u>	<u>FINISH</u>	<u>MFR</u>
		SELF-CLOSING GATE HINGES	PROVIDED BY GATE FABRICATOR		B/O
1	EA	CANE BOLT - LOCKABLE	SPEC. NO. 48		RIC
1	EA	PADLOCK	AMERICAN 5200 (6-PIN-KNZ- PINNED TO BLANKS)	606	AML
1	EA	PANIC HARDWARE	PA-AX-98-NL-OP-110MD X STRIKE AS REQ'D	626	VON
1	EA	RIM CYLINDER	3000-200 x N15 (verify)		RUS
1	EA	DOOR PULL	VR910 NL	630	IVE
1	EA	FLOOR STOP	FS18S	BLK	IVE

BALANCE OF HARDWARE PROVIDED BY GATE FABRICATOR.  
PROVIDE MOUNTING PLATES AS REQUIRED.

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**FIRST FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



DOOR AND FRAME SCHEDULE Level 1											
PANEL				DETAILS							
WT	NO. OF PANELS	WIDTH	HEIGHT	HARDWARE SET	HEAD	JAMB LEFT	JAMB RIGHT	SILL	COMMENTS		
FA100	2	4'-0"	9'-2 1/4"	(E) TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	(E) POWER ASSISTED, WITH BREAKAWAY, DUAL SLIDING DOORS TO REMAIN		
FA101	2	3'-5"	6'-9"	(E) TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	(E) POWER ASSISTED, (E) DOOR AND (E) PANIC HARDWARE TO REMAIN		
FA102	2	3'-5"	6'-9"	(E) TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	(E) POWER ASSISTED, (E) DOOR AND (E) PANIC HARDWARE TO REMAIN		
FA103	2	4'-0"	9'-2 1/4"	(E) TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	(E) POWER ASSISTED, WITH BREAKAWAY, DUAL SLIDING DOORS TO REMAIN		
FA104	1	3'-0"	6'-9"	(E) TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	(E) POWER ASSISTED, (E) DOOR AND (E) PANIC HARDWARE TO REMAIN		
FA105	2	3'-5"	6'-9"	(E) TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	(E) POWER ASSISTED, (E) DOOR AND (E) PANIC HARDWARE TO REMAIN		
FA106	2	4'-0"	9'-2 1/4"	(E) TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	(E) POWER ASSISTED, WITH BREAKAWAY, DUAL SLIDING DOORS TO REMAIN		
FA107	1	3'-0"	7'-0"	001	EXISTING	EXISTING	EXISTING	EXISTING	CHAINLINK GATE, REFER TO SHEET A0.3		
FA110	1	3'-0"	7'-0"	(E) TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	(E) DOOR AND HARDWARE TO REMAIN		
FA118	1	3'-0"	7'-0"	03	EXISTING	EXISTING	EXISTING	EXISTING	(E) DOOR TO REMAIN		
FA120	1	3'-0"	7'-0"	03	EXISTING	EXISTING	EXISTING	EXISTING	(E) DOOR TO REMAIN		
FA121	1	3'-0"	7'-0"	02	EXISTING	EXISTING	EXISTING	31A10.1	(E) PANEL AND LOCATION TO REMAIN, (N) HARDWARE		
FA121B	1	3'-0"	7'-0"	02	11A10.1	12A10.1	12A10.1	21A10.1	(N) DOOR WITH PANIC HARDWARE, 45MIN FIRE RATED		
FA129	2	3'-0" (1'-6")	7'-0"	01	EXISTING	EXISTING	EXISTING	EXISTING	(E) DOOR AND FRAME TO REMAIN, (N) HARDWARE		
FA129D	1	3'-0"	7'-0"	ADD002 (E) TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	(E) DOOR AND HARDWARE TO REMAIN		
FA129E	1	3'-0"	7'-0"	05A	EXISTING	EXISTING	EXISTING	EXISTING	(N) POWER ASSISTED, (E) PANEL AND LOCATION TO REMAIN, (N) HARDWARE		
FA130A	2	3'-0" (1'-6")	7'-0"	(E) TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	(E) DOOR AND HARDWARE TO REMAIN		
FA130B	1	3'-0"	7'-0"	04A	EXISTING	EXISTING	EXISTING	EXISTING	(N) POWER ASSISTED, (E) DOOR AND (N) HARDWARE		
FA130C	1	3'-0"	7'-0"	04A	EXISTING	EXISTING	EXISTING	EXISTING	(N) POWER ASSISTED, (E) DOOR AND (N) HARDWARE		
FA220	1	3'-0"	7'-0"	02A	EXISTING	EXISTING	EXISTING	EXISTING	(N) WD DOOR, HM FRAME AND HARDWARE WITH PANIC HARDWARE, 45MIN FIRE RATED		
FA220A	1	3'-0"	7'-0"	02A	EXISTING	EXISTING	EXISTING	EXISTING	(N) POWER ASSISTED, (E) DOOR AND (N) HARDWARE WITH PANIC		
FA306A	1	3'-0"	7'-0"	03	EXISTING	EXISTING	EXISTING	EXISTING	(E) POWER ASSISTED, (E) DOOR AND (E) PANIC HARDWARE TO REMAIN		
FA306B	1	3'-0"	7'-0"	03	EXISTING	EXISTING	EXISTING	EXISTING	(E) POWER ASSISTED, (E) DOOR AND (E) PANIC HARDWARE TO REMAIN		

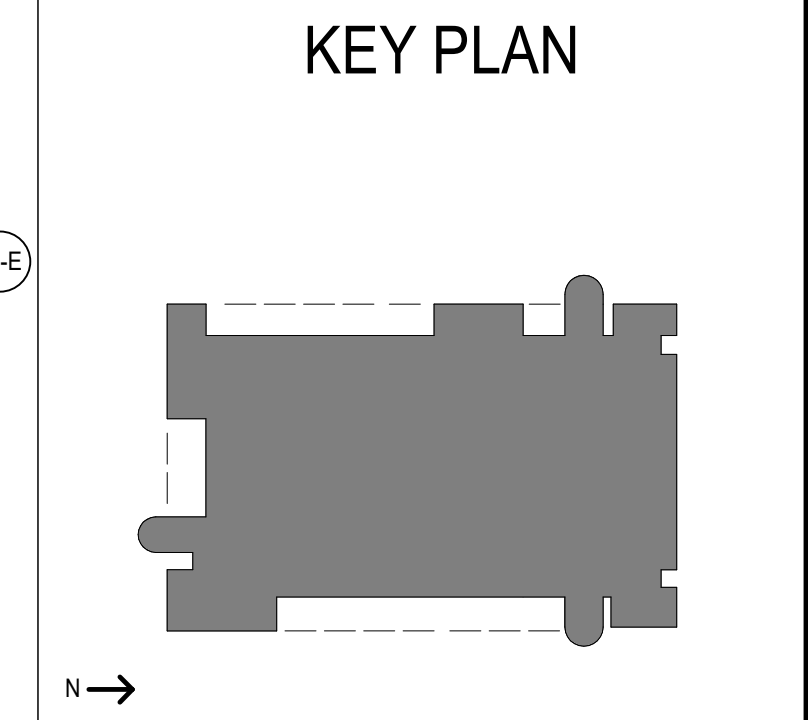
**LEGEND NOTES**  
NOT ALL LEGEND NOTES SHOWN HERE  
APPLY TO DRAWINGS ON THIS SHEET  
**GENERAL NOTES - FLOOR PLANS**

- DOORS TO REMAIN AS EXISTING UNLESS OTHERWISE NOTED.
- WALLS TO REMAIN AS EXISTING UNLESS OTHERWISE NOTED.
- FURNISH AND INSTALL METAL BACKING PLATE IN METAL STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS, I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, MARKER BOARDS, TACK BOARDS, DOOR STOPS, AUDIO VISUAL BRACKETS, AND OTHER WALL ATTACHED ITEMS.
- "NEED" AND "TYP" INDICATE MARKER BOARDS AND TACK BOARDS ON PLANS TO REMAIN AS EXISTING UNLESS OTHERWISE NOTED.
- PATCH, REPAIR AND INFILL EXISTING CONCRETE FLOOR SLAB AT ALL LOCATIONS WHERE IDENTIFIED BY THESE DRAWINGS.
- PATCH AND REPAIR ALL EXISTING CRACKS, CHIPS, MISCELLANEOUS HOLES AND OVERALL GENERAL DAMAGE AT ALL EXISTING WALLS WHERE EXISTING FURNITURE, CASEWORK, EQUIPMENT HAVE BEEN DEMOLISHED.
- PATCH AND REPAIR EXISTING EXTERIOR AND INTERIOR WALLS WHERE NEW ELECTRICAL CONDUITS AND J-BOXES ARE INSTALLED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS. PAINT TO MATCH ADJACENT WALL SURFACE.
- ALL INTERIOR WALL DIMENSIONS AT CONCRETE WALLS AND MASONRY WALLS ARE TAKEN FROM FACE OF WALL, U.N.O.
- PATCH AND REPAIR ALL EXCAVATIONS (DEMO ASSOCIATED WITH NEW AND MODIFIED UNDERGROUND UTILITY INSTALLATION, U.N.O.).
- WHERE FLOOR FINISH HAS BEEN REMOVED, PREP FLOORS FOR A SMOOTH FLOOR FINISH. FILL ALL CRACKS AND DIVOTS, GRIND ALL HIGH SPOTS.
- ALL (E) CEILING, CEILING FIXTURES AND EQUIPMENT TO REMAIN UNLESS INDICATED OTHERWISE.

- REFERENCE KEYNOTES**
- | Key Value | Keynote Text  |
|-----------|---|
| E1        | MAINTAIN (E) COLUMNS  |
| E2        | PROTECT IN PLACE (E) CASEWORK TO REMAIN, U.N.O.   |
| E3        | (E) CEILING SURFACE MOUNTED AV EQUIPMENT TO REMAIN, PROTRUSION AND LOCATIONS SHALL BE PER 25G0.3 TYP.   |
| E10       | PROTECT IN PLACE (E) WALL MOUNTED ACCESSORIES, MARKER BOARDS, WALL CLOCKS, POSTER CABINETS, TYP. ALL PROTRUSION OF ACCESSORIES SHALL BE 4" MAX FROM WALL UNLESS MOUNTED LESS THAN 27" MAX AFF. TYP. |
| E15       | VERIFY LOCATION OF (E) PALM TREE TO BE PROTECTED AND REMAIN DURING CONSTRUCTION   |
| E16       | (E) DOOR WITH COMPLIANT PANIC HARDWARE  |
| E20       | (E) HIGH DRINKING FOUNTAIN, SEE DETAIL 21G0.3   |
| N1        | (N) DIRECTLY APPLIED ACOUSTIC WALL PANEL, REFER TO 51A10.1 TO BE CFCI.  |
| N2        | (N) PROVIDE STORAGE SHELVING, BOTTOM OF SHELF TO BE 27" MAX AFF FOR PROTRUSION OF 4" AND ABOVE FROM THE SURFACE OF WALL, BACKING PER 35A10.1  |
| N3        | (N) COMPLIANT DOOR HARDWARE, INCLUDING CLOSER, KICKPLATE, ETC. REFER TO SHEET A0.2 (E) DOOR PANEL TO REMAIN   |
| N4        | (N) ACCESSIBLE DRINKING FOUNTAIN (E) WALL PATCH AND REPAIR AS REQD FOR INSTALLATION REF 21G0.3 FOR MOUNTING AND CLEARANCE   |
| N8        | (N) FURRED WALL REFER TO DETAIL 53A10.1. WRAP (E) PLUMBING PIPE TO BE PROTECTED IN PLACE.   |
| N10       | (N) DEEP DUAL SINKS   |
| N12       | (N) SHORT TERM CARPET FLOOR FINISH  |
| N13       | (N) CONCRETE PAD FOR CERAMICS ENCLOSURE, REFER TO DETAIL 14A0.3   |
| N14       | (N) ACCESSIBLE LAVATORY   |
| N17       | (N) INTERIOR RESILIENT FLOOR TILE FINISH  |
| N19       | (N) PAINT ENTIRETY OF INTERIOR WALLS  |
| N21       | (N) CHAINLINK FENCE ENCLOSURE, REFER TO DETAIL 53A0.3   |
| N22       | (N) CHAINLINK SINGLE GATE, REFER TO DETAIL 55A0.3   |
| N25       | (N) CORE OPENING FOR ELECTRIC KILN CONDUIT, REFER TO NOTES ABOVE.   |
| N29       | (N) POWER ASSISTED ENTRY ON (E) DOOR, REFER TO ELECTRICAL DIVIS   |
| N38       | PATCH AND REPAIR FLOOR AS REQUIRED WHERE CASEWORK WAS DEMOLISHED. GRIND SMOOTH TO MATCH ADJACENT.   |
| N39       | (N) DRINKING FOUNTAIN GRAB BARS PER DETAIL 21G0.3   |
| N45       | PATCH AND REPAIR WALL AS REQUIRED WHERE CASEWORK WAS DEMOLISHED.  |
| N48       | (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET REFER TO DETAIL 55A10.1   |

- FLOOR PLAN LEGEND**
- EXISTING DOOR AND DOOR FRAME ASSEMBLY TO REMAIN UNLESS NOTED OTHERWISE.
  - (E) RECESSED FIRE EXTINGUISHER CABINET TO REMAIN UNLESS OTHERWISE NOTED.
  - EXISTING AREA/ROOM TO REMAIN AS-IS - NOT IN SCOPE
  - EXISTING ELEMENTS TO REMAIN
  - DRINKING FOUNTAIN
  - (E) H.I.D.F. EXISTING H.I. DRINKING FOUNTAIN
  - (N) L.O.D.F. NEW L.O. DRINKING FOUNTAIN
  - ACCESSIBLE PATH OF TRAVEL
  - (E) PATH OF TRAVEL
  - VERIFIED PATH OF TRAVEL
  - (E) FIRE SPRINKLERED AREA
  - (E) FIRE SPRINKLER HEADS
  - LCN 8310-836TV PUSH PLATE BOTTOM ELEVATION AT 4" FF

**WALL SEPARATION LEGEND**  
WALL HOURLY RATING  
1 = (E) 1-HOUR



**Cypress College Swing Space**  
9200 Valley View St. Cypress, CA 90630



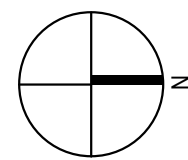
DSA APPROVAL  
Revisions  
A0002 4/29/22

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FIRST FLOOR PLAN

A1.1

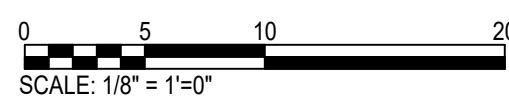
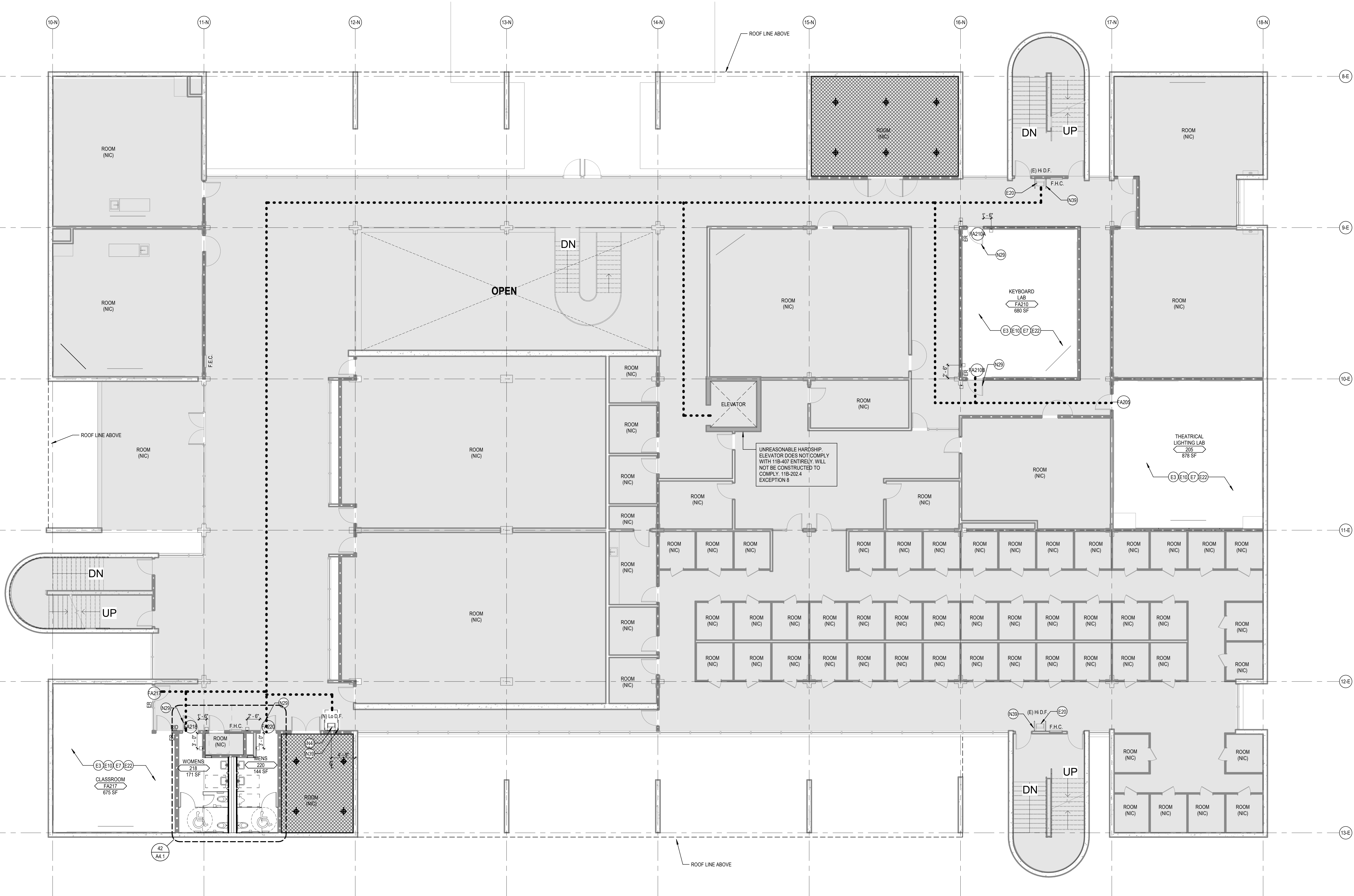


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## SECOND FLOOR PLAN

SCALE: 1/8" = 1'-0"



DOOR AND FRAME SCHEDULE Level 2						
Level	Number	PANEL		HARDWARE SET	COMMENTS	
		NO. OF PANELS	WIDTH			
Level 02	FA205	1	3'-0"	7'-0"	TO REMAIN	2ND LEVEL, (E) DOOR AND HARDWARE TO REMAIN
Level 02	FA210A	1	3'-0"	7'-0"	TO REMAIN	2ND LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN
Level 02	FA210B	1	3'-0"	7'-0"	TO REMAIN	2ND LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN
Level 02	FA217	1	3'-0"	7'-0"	TO REMAIN	2ND LEVEL
Level 02	FA218	1	3'-0"	7'-0"	TO REMAIN	2ND LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN
Level 02	FA220	1	3'-0"	7'-0"	TO REMAIN	2ND LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN

### LEGEND NOTES

NOT ALL LEGEND NOTES SHOWN HERE  
APPLY TO DRAWINGS ON THIS SHEET

### GENERAL NOTES - FLOOR PLANS

- DOORS TO REMAIN AS EXISTING UNLESS OTHERWISE NOTED.
- WALLS TO REMAIN AS EXISTING UNLESS OTHERWISE NOTED.
- FURNISH AND INSTALL METAL BACKING PLATE IN METAL STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS, I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, MARKER BOARDS, TACK BOARDS, DOOR STOPS, AUDIO VISUAL BRACKETS, AND OTHER WALL ATTACHED ITEMS.
- "MSD" AND "TSD" INDICATE MARKER BOARDS AND TACK BOARDS ON PLANS TO REMAIN AS EXISTING UNLESS OTHERWISE NOTED.
- PATCH, REPAIR AND INFILL EXISTING CONCRETE FLOOR SLAB AT ALL LOCATIONS WHERE IDENTIFIED BY THESE DRAWINGS.
- PATCH AND REPAIR ALL EXISTING CRACKS, CHIPS, MISCELLANEOUS HOLES AND OVERALL GENERAL DAMAGE AT ALL EXISTING WALLS WHERE EXISTING FURNITURE, CASEWORK, EQUIPMENT HAVE BEEN DEMOLISHED.
- PATCH AND REPAIR EXISTING EXTERIOR AND INTERIOR WALLS WHERE NEW ELECTRICAL CONDUITS AND J-BOXES ARE INSTALLED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS. PAINT TO MATCH ADJACENT WALL SURFACE.
- ALL INTERIOR WALL DIMENSIONS AT CONCRETE WALLS AND MASONRY WALLS ARE TAKEN FROM FACE OF WALL U.N.O.
- PATCH AND REPAIR ALL EXCAVATIONS / DEMO ASSOCIATED WITH NEW AND MODIFIED UNDERGROUND UTILITY INSTALLATION, U.N.O.
- WHERE FLOOR FINISH HAS BEEN REMOVED, PREP FLOORS FOR A SMOOTH FLOOR FINISH. FILL ALL CRACKS AND DIVOTS, GRIND ALL HIGH SPOTS.
- ALL (E) CEILINGS, CEILING FIXTURES AND EQUIPMENT TO REMAIN UNLESS INDICATED OTHERWISE.

### REFERENCE KEYNOTES

Key Value	Keynote Text
E3	(E) CEILING SURFACE MOUNTED AV EQUIPMENT TO REMAIN. PROTRUSION AND LOCATIONS SHALL BE PER 25/G0.3 TYP.
E7	(E) DOOR AND FRAME TO REMAIN
E10	PROTECT IN PLACE (E) WALL MOUNTED ACCESSORIES: MARKER BOARDS, WALL CLOCKS, POSTER CABINETS, TYP. ALL PROTRUSION OF ACCESSORIES SHALL BE 4" MAX FROM WALL UNLESS MOUNTED LESS THAN 27" MAX AFF. TYP.
E20	(E) HIGH DRINKING FOUNTAIN. SEE DETAIL 21/G0.3
E22	(E) WALL FINISHES TO REMAIN, PROTECT IN PLACE
N4	(N) ACCESSIBLE DRINKING FOUNTAIN (E) WALL PATCH AND REPAIR AS REQ'D FOR INSTALLATION REF 21/G0.3 FOR MOUNTING AND CLEARANCE
N29	(N) POWER ASSISTED ENTRY ON (E) DOOR. REFER TO ELECTRICAL DWGS
N39	(N) DRINKING FOUNTAIN GRAB BARS PER DETAIL 21/G0.3

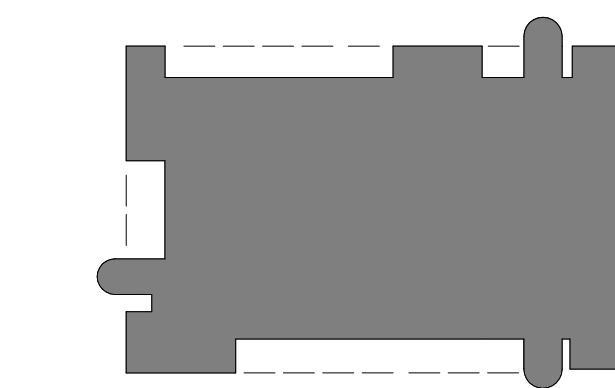
### FLOOR PLAN LEGEND

	EXISTING DOOR AND DOOR FRAME ASSEMBLY TO REMAIN UNLESS NOTED OTHERWISE.
	(E) RECESSED FIRE EXTINGUISHER CABINET TO REMAIN UNLESS OTHERWISE NOTED.
	EXISTING AREA/ ROOM TO REMAIN AS-IS - NOT IN SCOPE
	EXISTING ELEMENTS TO REMAIN
	DRINKING FOUNTAIN
	(E) HI D.F. EXISTING HI DRINKING FOUNTAIN
	(N) LO D.F. NEW LO DRINKING FOUNTAIN
	ACCESSIBLE PATH OF TRAVEL
	(E) PATH OF TRAVEL
	VERIFIED PATH OF TRAVEL
	(E) FIRE SPRINKLERED AREA
	(E) FIRE SPRINKLER HEADS
	LON 8310-836TW PUSH PLATE BOTTOM ELEVATION AT 4" FF

### WALL SEPARATION LEGEND

WALL HOURLY RATING
1 = (E) 1-HOUR

### KEY PLAN



N →



DOOR AND FRAME SCHEDULE Level 3											
Level	DOOR NUMBER	PANEL			HARDWARE SET	DETAILS				COMMENTS	
		NO. OF PANELS	WIDTH	HEIGHT		HEAD	JAMB LEFT	JAMB RIGHT	SILL		
Level 03	FA221	1	3'-0"	7'-0"	03A	ADD02	EXISTING	EXISTING	EXISTING	EXISTING	3RD LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN
Level 03	FA222	1	3'-0"	7'-0"	03A		EXISTING	EXISTING	EXISTING	EXISTING	3RD LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN
Level 03	FA225	1	3'-0"	7'-0"	03A		EXISTING	EXISTING	EXISTING	EXISTING	3RD LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN
Level 03	FA312	1	3'-0"	7'-0"	03A		EXISTING	EXISTING	EXISTING	EXISTING	3RD LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN
Level 03	FA313	1	3'-0"	7'-0"	03A		EXISTING	EXISTING	EXISTING	EXISTING	3RD LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN
Level 03	FA329	1	3'-0"	7'-0"	03A		EXISTING	EXISTING	EXISTING	EXISTING	3RD LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN
Level 03	FA331	1	3'-0"	7'-0"	03A		EXISTING	EXISTING	EXISTING	EXISTING	3RD LEVEL, (N) POWER ASSISTED, (E) DOOR AND (E) HARDWARE TO REMAIN
Level 03	FA332	1	3'-0"	7'-0"	(E) TO REMAIN		EXISTING	EXISTING	EXISTING	EXISTING	3RD LEVEL, (E) DOOR AND HARDWARE TO REMAIN

LEGEND NOTES

NOT ALL LEGEND NOTES SHOWN HERE  
APPLY TO DRAWINGS ON THIS SHEET

GENERAL NOTES - FLOOR PLANS

- DOORS TO REMAIN AS EXISTING UNLESS OTHERWISE NOTED.
- WALLS TO REMAIN AS EXISTING UNLESS OTHERWISE NOTED.
- FURNISH AND INSTALL METAL BACKING PLATE IN METAL STUD PARTITIONS FOR THE PROPER ANCHORAGE OF ALL WALL ATTACHED ITEMS, I.E. TOILET ACCESSORIES, CASEWORK, MILLWORK, WALL-MOUNTED FIXTURES, MARKER BOARDS, TACK BOARDS, DOOR STOPS, AUDIO VISUAL BRACKETS, AND OTHER WALL ATTACHED ITEMS.
- "N80" AND "T80" INDICATE MARKER BOARDS AND TACK BOARDS ON PLANS TO REMAIN AS EXISTING UNLESS OTHERWISE NOTED.
- PATCH, REPAIR AND INFILL EXISTING CONCRETE FLOOR SLAB AT ALL LOCATIONS WHERE IDENTIFIED BY THESE DRAWINGS.
- PATCH AND REPAIR ALL EXISTING CRACKS, CHIPS, MISCELLANEOUS HOLES AND OVERALL GENERAL DAMAGE AT ALL EXISTING WALLS WHERE EXISTING FURNITURE, CASEWORK, EQUIPMENT HAVE BEEN DEMOLISHED.
- PATCH AND REPAIR EXISTING EXTERIOR AND INTERIOR WALLS WHERE NEW ELECTRICAL CONDUITS AND J-BOXES ARE INSTALLED. COORDINATE LOCATION WITH ELECTRICAL DRAWINGS. PAINT TO MATCH ADJACENT WALL SURFACE.
- ALL INTERIOR WALL DIMENSIONS AT CONCRETE WALLS AND MASONRY WALLS ARE TAKEN FROM FACE OF WALL UNLESS OTHERWISE NOTED.
- PATCH AND REPAIR ALL EXCAVATIONS / DEMO ASSOCIATED WITH NEW AND MODIFIED UNDERGROUND UTILITY INSTALLATION, UNLESS OTHERWISE NOTED.
- WHERE FLOOR FINISH HAS BEEN REMOVED, PREP FLOORS FOR A SMOOTH FLOOR FINISH. FILL ALL CRACKS AND DIVOTS, GRIND ALL HIGH SPOTS.
- ALL (E) CEILING, CEILING FIXTURES AND EQUIPMENT TO REMAIN UNLESS INDICATED OTHERWISE.

REFERENCE KEYNOTES

Key Value	Keynote Text
N4	(N) ACCESSIBLE DRINKING FOUNTAIN (E) WALL PATCH AND REPAIR AS REQUIRED FOR INSTALLATION REF 21/00.3 FOR MOUNTING AND CLEARANCE
N17	(N) INTERIOR RESILIENT FLOOR TILE FINISH
N29	(N) POWER ASSISTED ENTRY ON (E) DOOR, REFER TO ELECTRICAL DWGS
N38	PATCH AND REPAIR FLOOR AS REQUIRED WHERE CASEWORK WAS DEMOLISHED. GRIND SMOOTH TO MATCH ADJACENT
N39	(N) DRINKING FOUNTAIN GRAB BARS PER DETAIL 21/00.3
N45	PATCH AND REPAIR WALL AS REQUIRED WHERE CASEWORK WAS DEMOLISHED.

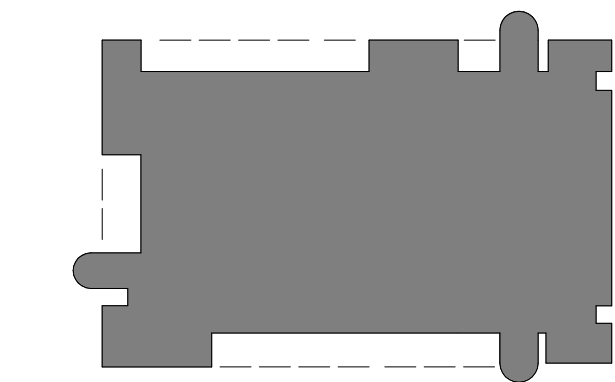
FLOOR PLAN LEGEND

- EXISTING DOOR AND DOOR FRAME ASSEMBLY TO REMAIN UNLESS NOTED OTHERWISE.
- (E) RECESSED FIRE EXTINGUISHER CABINET TO REMAIN UNLESS OTHERWISE NOTED.
- EXISTING AREA ROOM TO REMAIN AS-IS - NOT IN SCOPE
- EXISTING ELEMENTS TO REMAIN
- DRINKING FOUNTAIN
- (E) HI D.F. EXISTING HI DRINKING FOUNTAIN
- (N) LO D.F. NEW LO DRINKING FOUNTAIN
- ACCESSIBLE PATH OF TRAVEL
- (E) PATH OF TRAVEL
- VERIFIED PATH OF TRAVEL
- (E) FIRE SPRINKLERED AREA
- (E) FIRE SPRINKLER HEADS
- LCN 8310-838TW PUSH PLATE BOTTOM ELEVATION AT 4" FF

WALL SEPARATION LEGEND

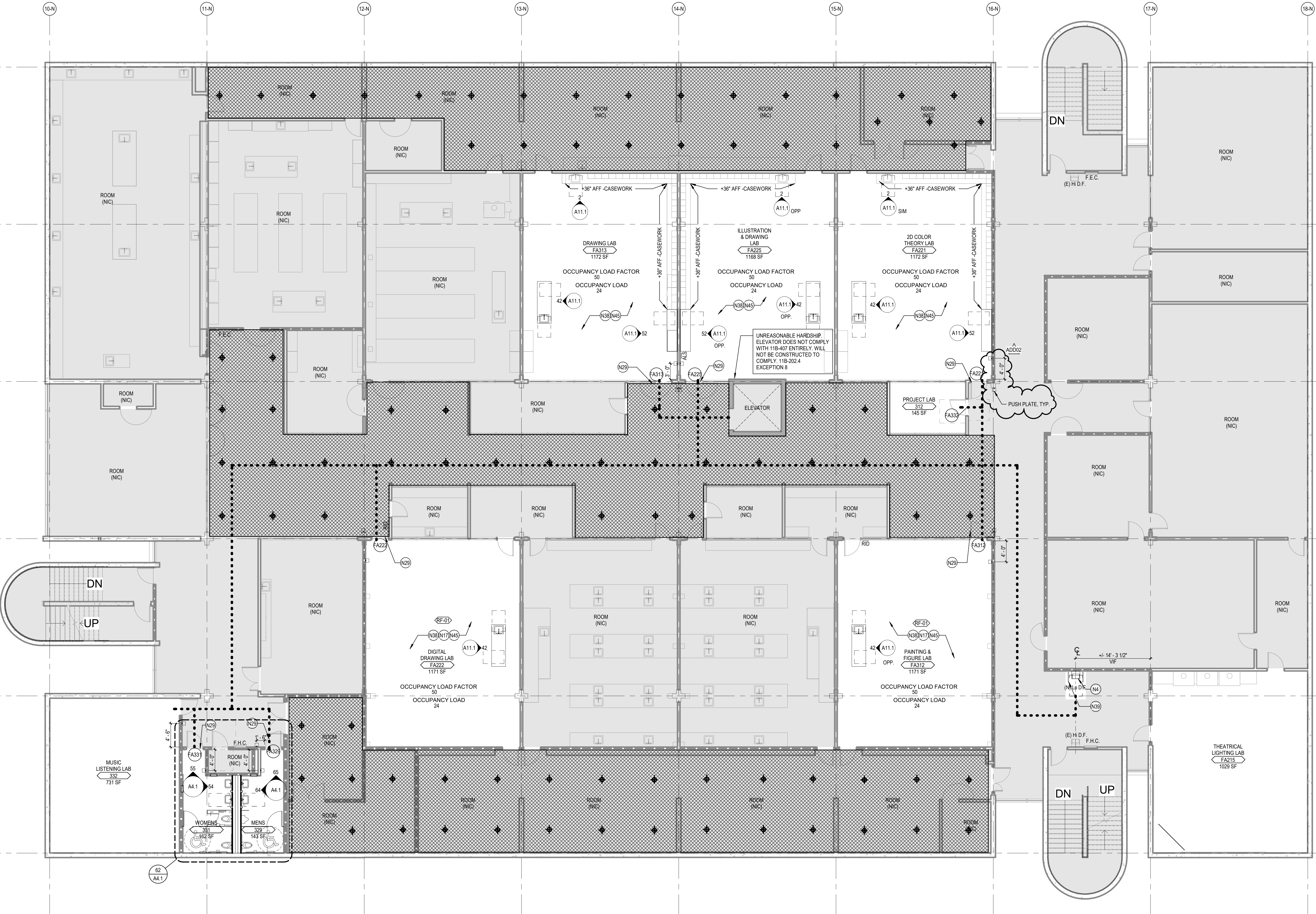
WALL HOURLY RATING  
1 = (E) 1-HOUR

KEY PLAN



N →

0 5 10 20  
SCALE: 1/8" = 1'-0"



THIRD FLOOR PLAN  
SCALE: 1/8" = 1'-0"

DLR Group  
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Cypress College Swing Space  
9200 Valley View St. Cypress, CA 90630



DSA APPROVAL

Revisions

ADD02 4/29/22

75-21204-00

THIRD FLOOR  
PLAN

A1.3





SHEET NOTES

- 1 PROVIDE DEDICATED 20A BRANCH CIRCUIT IN SURFACE MOUNTED RACEWAY FOR WORKSTATIONS.
- 2 PROVIDE DEDICATED BRANCH CIRCUIT. RECEPTACLE CONFIGURATION TO MATCH EQUIPMENT TYPE.
- 3 POWER ASSISTED DOOR. PROVIDE POWER WIRING AND 1" FOR CONTROL WIRING TO CONTROLLER. SEE ARCH DRAWINGS FOR ADDITIONAL INFORMATION.
- 4 UTILIZE EXISTING BRANCH CIRCUIT AS SHOWN. ADD OUTLET FOR FUTURE INFEEDS TO SOUND BOOTHS.

ddC

**DLR Group**  
DLR Group

## Cypress College Swing Space



Add02	4/29/2022	ADC02
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OVERALL  
SECOND FLOOR  
POWER PLAN

## E2.2

SCALE: 1/8" = 1'-0"



PANEL: 3A													
LOCATION: CUST. 330					VOLTS: 208Y/120				MOUNTING: SURFACE				
BUS RATING: 225.0 A					PHASES: 3				FED FROM:				
MAIN BREAKER: MLO					WIRES: 4				INTEGRAL SPD: Type 1				
					SCCR:				LUG ACCESSORIES:				
CK T	CIRCUIT DESCRIPTION	BKR TRIP	P	LOAD TYPE	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD TYPE	P	BKR TRIP	CIRCUIT DESCRIPTION	CK T	
1	(EN) WORKSTATIONS MUSIC LISTENIN...	20	1	O	1,200	0		--	1	20	EXISTING LOAD	2	
3	(EN) ISOLATION OUTLET MUSIC...	20	1	O		1,200	0	--	1	20	EXISTING LOAD	4	
5	(EN) ISOLATION OUTLET MUSIC...	20	1	O			400	0	--	1	20	EXISTING LOAD	6
7	(EN) PRINTER	20	1	O	360	0		--	1	20	EXISTING LOAD	8	
9	(EN) CONV. OUTLET	20	1	R		180	0	--	1	20	EXISTING LOAD	10	
11	(EN) ISOLATION OUTLET MUSIC...	20	1	O			1,200	0	--	1	20	EXISTING LOAD	12
13	EXISTING LOAD	20	1	--	0	0		--	1	20	EXISTING LOAD	14	
15	EXISTING LOAD	20	1	--	0	0		--	1	20	EXISTING LOAD	16	
17	EXISTING LOAD	20	1	--			0	0	--	1	20	EXISTING LOAD	18
19	EXISTING LOAD	20	1	--	0	0		--	1	20	EXISTING LOAD	20	
21	EXISTING LOAD	20	1	--	0	0		--	1	20	EXISTING LOAD	22	
23	EXISTING LOAD	20	1	--			0	0	--	1	20	EXISTING LOAD	24
25	EXISTING LOAD	20	1	--	0	0		--	1	20	EXISTING LOAD	26	
27	EXISTING LOAD	20	2	--		0	0	--	1	20	EXISTING LOAD	28	
29	EXISTING LOAD	20	1	--			0	0	--	1	20	EXISTING LOAD	30
31	EXISTING LOAD	20	1	--	0	1,200		O	1	20	(EN) WORKSTATIONS MUSIC LISTENIN...	32	
33	EXISTING LOAD	20	1	--		0	750	M	1	20	(EN) POWER ASSIST DOORS	34	
35	EXISTING LOAD	20	3	--		0	0	--	1	20	EXISTING LOAD	36	
37	EXISTING LOAD	20	3	--		0	0	--	1	20	EXISTING LOAD	38	
39	EXISTING LOAD	20	3	--		0	0	--	1	20	EXISTING LOAD	40	
41	(EN) WORKSTATIONS MUSIC LISTENIN...	20	1	O			1,200	0	--	2	20	EXISTING LOAD	42
TOTAL...					2760 VA	2130 VA	2800 VA						
					23.8 A	17.8 A	24.1 A						
LOAD TYPE	DESCRIPTION	CONNECTED LOAD (VA)	DEMA ND...	ESTIMATED DEMAND (VA)	DEMAND FACTOR NOTES				BKR TYPE	PANEL TOTALS			
L	LIGHTING	0 VA	0.00%	0 VA	CONTINUOUS LOAD @ 125%				G = GFCI (5mA)				
R	RECEPTAC...	180 VA	100.0%	180 VA	FIRST 10KVA @ 100%, REMAINDER @ 50%				GP = GFCI (30mA)	CONNECTED LOAD: 8 kVA			
K	KITCHEN	0 VA	0.00%	0 VA	NON-DWELLING KITCHEN LOADS, NEC ART. 220				ST = SHUNT TRIP	ESTIMATED DEMAND: 8 kVA			
M	LARGEST...	750 VA	108.3%	813 VA	LARGEST MOTOR, NEC ART. 430				LO = LOCK OUT	CONNECTED CURRENT: 21.3 A			
C	MOTOR	0 VA	0.00%	0 VA						END CURRENT: 21.5 A			
H	COOLING	0 VA	0.00%	0 VA									
O	HEATING	6760 VA	100.0%	6760 VA									
Spare	OTHER	0 VA	0.00%	0 VA									
SPARE													
NOTES:													
EXISTING LOAD, TO REMAIN.													
(E): EXISTING TO REMAIN, (ER): EXISTING TO REMOVE, (EN): EXISTING CIRCUIT BREAKER WITH NEW LOAD, (N): NEW CIRCUIT BREAKER WITH NEW LOAD TO BE FULLY RATED AND SHALL BE COMPATIBLE WITH EXISTING EQUIPMENT.													
FIELD VERIFY EXISTING SPACES/ SPARE CIRCUIT BREAKERS.													
UTILIZE EXISTING BRANCH CIRCUITS IN RESPECTIVE EXISTING CLASSROOMS. SEE SHEET E6.1 FOR REFERENCES.													

PANEL: 3H													
LOCATION: BIOLOGY 323					VOLTS: 208Y/120				MOUNTING: SURFACE				
BUS RATING: 225.0 A					PHASES: 3				FED FROM:				
MAIN BREAKER: MLO					WIRES: 4				INTEGRAL SPD: Type 1				
					SCCR:				LUG ACCESSORIES:				
CK T	CIRCUIT DESCRIPTION	BKR TRIP	P	LOAD TYPE	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD TYPE	P	BKR TRIP	CIRCUIT DESCRIPTION	CK T	
1	(EN) EXISTING FLOOR BOXES DRAWIN...	20	1	O	800	800		O	1	20	(EN) EXISTING FLOOR BOXES DRAWIN...	2	
3	(EN) EXISTING FLOOR BOXES DRAWIN...	20	1	O		800	800	O	1	20	(EN) EXISTING FLOOR BOXES DRAWIN...	4	
5	(EN) EXISTING FLOOR BOXES DRAWIN...	20	1	O			800	0	--	1	20	(EN) SPARE	6
7	(EN) EXISTING FLOOR BOXES DRAWIN...	20	1	O	800	800		O	1	20	(EN) EXISTING FLOOR BOXES DRAWIN...	8	
9	(EN) EXISTING FLOOR BOXES DRAWIN...	20	1	O		800	0	--	1	20	(EN) SPARE	10	
11	(EN) EXISTING FLOOR BOXES DRAWIN...	20	1	O			800	800	O	1	20	(EN) EXISTING FLOOR BOXES DRAWIN...	12
13	(EN) EXISTING FLOOR BOXES DRAWIN...	20	1	O	800	800		O	1	20	(EN) EXISTING FLOOR BOXES DRAWIN...	14	
15	(EN) EXISTING FLOOR BOXES DRAWIN...	20	1	O		800	800	O	1	20	(EN) EXISTING FLOOR BOXES DRAWIN...	16	
17	EXISTING LOAD	20	1	--			0	0	--	1	20	EXISTING LOAD	18
19	(E) SPARE	20	1	--	0	720		--	1	20	(EN)CONV. OUTLETS DRAWING LAB	20	
21	(EN) EXISTING FLOOR BOXES DRAWIN...	20	1	O		800	900	R	1	20	(EN)CONV. OUTLETS DRAWING LAB	22	
23	(E) SPARE	20	1	--			0	800	O	1	20	(EN) EXISTING FLOOR BOXES DRAWIN...	24
25	(EN)CONV. OUTLETS DRAWING LAB	20	1	O	500	500		O	1	20	(EN)CONV. OUTLETS DRAWING LAB	26	
27	EXISTING LOAD	20	1	--		0	500		O	1	20	(EN) EXISTING FLOOR BOX	28
29	EXISTING LOAD	20	1	--			0	0	--	2	20	EXISTING LOAD	30
31	EXISTING LOAD	20	1	--		0	0		--	1	20	EXISTING LOAD	32
33	(EN) CONV. OUTLETS DRAWING LAB	20	1	R		360	0	--	1	20	EXISTING LOAD	34	
35	(E) SPARE	20	1	--		0	0		--	1	20	MICROWAVE DRAWING LAB	36
37	EXISTING LOAD	20	3	--		0	0		--	3	20	EXISTING LOAD	38
41	EXISTING LOAD	20	3	--		0	0		--	3	20	EXISTING LOAD	42
TOTAL...					6520 VA	6560 VA	4400 VA						
TOTAL...					57.1 A	57.4 A	36.7 A						
LOAD TYPE	LOAD DESCRIPTION	CONNECTED LOAD (VA)	DEMA ND...	ESTIMATED DEMAND (VA)	DEMAND FACTOR NOTES				BKR TYPE	PANEL TOTALS			
L	LIGHTING	0 VA	0.00%	0 VA	CONTINUOUS LOAD @ 125%				G = GFCI (5mA)				
R	RECEPTAC...	3180 VA	100.0%	3180 VA	FIRST 10KVA @ 100%, REMAINDER @ 50%				GP = GFCI (30mA)	CONNECTED LOAD: 17 kVA			
K	KITCHEN	0 VA	0.00%	0 VA	NON-DWELLING KITCHEN LOADS, NEC ART. 220				ST = SHUNT TRIP	ESTIMATED DEMAND: 17 kVA			
M	LARGEST...	0 VA	0.00%	0 VA	LARGEST MOTOR, NEC ART. 430				LO = LOCK OUT	CONNECTED CURRENT: 48.5 A			
C	MOTOR	0 VA	0.00%	0 VA						END CURRENT: 48.5 A			
H	COOLING	0 VA	0.00%	0 VA									
O	HEATING	14300 VA	100.0%	14300 VA									
Spare	OTHER	0 VA	0.00%	0 VA									
SPARE													
NOTES:													
(E): EXISTING TO REMAIN, (ER): EXISTING TO REMOVE, (EN): EXISTING CIRCUIT BREAKER WITH NEW LOAD, (N): NEW CIRCUIT BREAKER WITH NEW LOAD TO BE FULLY RATED AND SHALL BE COMPATIBLE WITH EXISTING EQUIPMENT.													
FIELD VERIFY EXISTING SPACES/ SPARE CIRCUIT BREAKERS													
UTILIZE EXISTING BRANCH CIRCUITS IN RESPECTIVE EXISTING CLASSROOMS. SEE SHEET E6.1 FOR REFERENCES.													

PANEL: 3D														
LOCATION: THEATRICAL LIGHTING LAB...					VOLTS: 208Y/120				MOUNTING: SURFACE					
BUS RATING: 225.0 A					PHASES: 3				FED FROM:					
MAIN BREAKER: MLO					WIRES: 4				INTEGRAL SPD: Type 1					
					SCCR:				LUG ACCESSORIES:					
CK T	CIRCUIT DESCRIPTION	BKR TRIP	P	LOAD TYPE	PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	LOAD TYPE	P	BKR TRIP	CIRCUIT DESCRIPTION	CK T		
1					0	0						2		
3	EXISTING LOAD	20	3	--		0	0		--	3	20	EXISTING LOAD	4	
5					0	1,440		0	0			6		
7									R	1	20	(EN) SCANNER THEATRICAL LIGHTING...	8	
9	EXISTING LOAD	20	3	--		0	1,200		O	1	20	(EN) WORKSTATIONS THEATRICAL LIGHTING...	10	
11								0	1,200	O	1	20	(EN) WORKSTATIONS THEATRICAL LIGHTING...	12
13	(EN) EXISTING FLOOR BOX	20	1	R	360	720			R	1	20	(EN) SCANNER THEATRICAL LIGHTING...	14	
15	(EN) EXISTING FLOOR BOX	20	1	R		360	400		O	1	20	(EN) TEACHER WORKSTATION...	16	
17	(EN) EXISTING FLOOR BOX	20	1	R			360	1,200	O	1	20	(EN) PLOTTER THEATRICAL LIGHTING...	18	
19	EXISTING LOAD	20	1	--		0	0		--	1	20	EXISTING LOAD	20	
21	EXISTING LOAD	20	1	--		0	0		--	1	20	EXISTING LOAD	22	
23	EXISTING LOAD	20	1	--		0	0	0	0	--	1	20	EXISTING LOAD	24
25	EXISTING LOAD	20	1	--		0	0		--	1	20	EXISTING LOAD	26	
27	EXISTING LOAD	20	1	--		0	0		--	1	20	EXISTING LOAD	28	
29	EXISTING LOAD	20	1	--		0	0	0	0	--	1	20	EXISTING LOAD	30
31	EXISTING LOAD	20	1	--		0	0		--	1	20	EXISTING LOAD	32	
33	EXISTING LOAD	20	1	--		0	0		--	1	20	EXISTING LOAD	34	
35	EXISTING LOAD	20	1	--		0	0		--	1	20	EXISTING LOAD	36	
37	(E) SPARE	20	1	--		0	0		--	1	20	EXISTING LOAD	38	
39	(E) SPARE	20	1	--		0	0		--	1	20	(E) SPARE	40	
41	(E) SPARE	20	1	--		0	0		--	1	20	(E) SPARE	42	
TOTAL...					2520 VA	1950 VA	2760 VA							
TOTAL...					21.7 A	16.3 A	23.7 A							
LOAD TYPE	LOAD DESCRIPTION	CONNECTED LOAD (VA)	DEMA ND NO.	ESTIMATED DEMAND (VA)	DEMAND FACTOR NOTES			BKR TYPE		PANEL TOTALS				
L	LIGHTING	0 VA	0.00%	0 VA	CONTINUOUS LOAD @ 125%			G = GFCI (5mA)						
R	RECEPTACLE	3240 VA	100.0%	3240 VA	FIRST 10KVA @ 100%, REMAINDER @ 50%			GP = GFCI (30mA)		CONNECTED LOAD: 7 kVA				
K	KITCHEN	0 VA	0.00%	0 VA	NON-DWELLING KITCHEN LOADS, NEC ART. 220			ST = SHUNT TRIP		ESTIMATED DEMAND: 7 kVA				
M	LARGEST...	0 VA	0.00%	0 VA	LARGEST MOTOR, NEC ART. 430			LO = LOCK-OUT		CONNECTED CURRENT: 20.1 A				
C	Cooling	0 VA	0.00%	0 VA						EMD CURRENT: 20.1 A				
H	COOLING	0 VA	0.00%	0 VA										
O	HEATING	4000 VA	100.0%	4000 VA										
Spare	OTHER	0 VA	0.00%	0 VA										
	SPARE													
NOTES:														
(E): EXISTING LOAD TO REMAIN.														
(R): EXISTING TO REMAIN, (R-): EXISTING TO REMOVE, (EN): EXISTING CIRCUIT BREAKER WITH NEW LOAD, (N): NEW CIRCUIT BREAKER WITH NEW LOAD TO BE FULLY RATED AND SHALL BE COMPATIBLE WITH EXISTING EQUIPMENT.														
FIELD VERIFY EXISTING SPACES: SPARE CIRCUIT BREAKERS.														
UTILIZE EXISTING BRANCH CIRCUITS IN RESPECTIVE EXISTING CLASSROOMS. SEE SHEET 55.1 FOR REFERENCES.														





## **Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report**

**Cypress College  
Fine Arts Swing Space Project  
Science Engineering Math (SEM) Building  
9200 Valley View Street  
Cypress, California**

**Converse Project No. 21-42-121-02  
September 21, 2021**

### **Prepared For:**

**Cypress College  
9200 Valley View Street  
Cypress, California 90630**

### **Prepared By:**

**Converse Consultants  
3176 Pullman Street  
Suite 108  
Costa Mesa, California 92626**



# Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

September 21, 2021

Ms. Allison Coburn  
Project Manager – Campus Capital Projects  
Cypress College  
9200 Valley View Street  
Cypress, California 90630

**Subject: Asbestos, Lead-Based Paint, and Hazardous Materials Survey**

Cypress College – Fine Arts Swing Space Project  
Science Engineering Math (SEM) Building  
9200 Valley View Street  
Cypress, California  
Converse Project No. 21-42-121-02

Ms. Coburn:

Converse Consultants (Converse) is pleased to submit the following report for the *Asbestos, Lead-Based Paint, and Hazardous Materials Survey* for the referenced site. The report summarizes the activities and the results of survey that was conducted between August 25 and September 10, 2021.

We appreciate the opportunity to be of service. Should you have any questions or comments regarding this report, please contact Laura Tanaka at (714) 444-9660, Extension 361.

Sincerely,

**CONVERSE CONSULTANTS**



Laura Tanaka  
Certified Asbestos Consultant, #11-4708  
CDPH Lead Inspector/Assessor, #17879  
Principal Environmental Scientist



Norman S. Eke  
Certified Asbestos Consultant, #96-2093  
Senior Vice President

Dist.: 1/Addressee (PDF)

MAILING ADDRESS: 717 South Myrtle Avenue, Monrovia, CA 91016

3176 Pullman Street, Suite 108, Costa Mesa, California 92626

Telephone: (714) 444-9660 ♦ Facsimile: (714) 444-9640 ♦ [www.converseconsultants.com](http://www.converseconsultants.com)

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## **Appendices**

Appendix A Certifications

Appendix B Asbestos Analytical Report, Chain of Custody Documentation,  
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Appendix C Lead-Based Paint  
XRF Summary Logs

Appendix D – Hazardous Materials Inventory

## **Tables**

Table 1 Summary of Asbestos Results & Observations

Table 2 Summary of Positive XRF Readings

Table 3 ACMs to be Abated

Table 4 – LPBs and LCMs to be Stabilized or Abated



# Definitions

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**Asbestos-Containing Material (ACM):** The United States Environmental Protection Agency (EPA) has defined an ACM to be any substance containing more than one percent (1%) asbestos by weight.

**Asbestos-Containing Construction Material (ACCM):** The California Environmental Protection Agency (Cal/EPA) and California Department of Occupational Safety and Health (Cal-DOSH) define an ACCM as any substance containing one-tenth of one percent (0.1%) to one percent (1%) asbestos by weight.

**Class I Nonfriable ACM:** A material containing more than one percent (1%) asbestos and that when dry, can be broken, crumbled, pulverized or reduced to powder in the course of demolition or renovation activities. Class I Nonfriable ACMs include, but are not limited to, fractured or crushed asbestos cement products, transite materials, roofing felts and tiles, mastics, and resilient floor coverings.

**Class II Nonfriable ACM:** A material containing more than one percent (1%) asbestos and that is neither friable nor Class I nonfriable.

**Friable ACM:** A material containing more than one percent (1%) asbestos and that when dry, can be crumbled, pulverized or reduced to powder by hand pressure.

**Lead-Based Paint (LBP):** The California Department of Public Health (CDPH) has defined an LBP as containing a lead concentration greater than 1.0 milligrams per centimeter squared (mg/cm<sup>2</sup>); 5,000 parts per million; or 0.5 percent by weight.



## 1.0 Purpose and Scope of Services

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This report presents the results of the Converse Consultants (Converse) *Asbestos, LBP, and Hazardous Materials Survey* performed at the old Science Engineering Math (SEM) Building located on the campus of Cypress College at 9200 Valley View Street in the City of Cypress, California. The objective of the survey was to identify asbestos-containing materials (ACMs), lead-base paints (LBPs) and lead-containing materials (LCMs), and other hazardous materials prior to renovation activities at the building, in areas designated by the Client.

The work was completed by environmental professionals and has been performed in accordance with our proposal dated July 21, 2021. Our work consisted of the following tasks:

- Performed an initial non-destructive survey of the old SEM Building. The survey did not include the building exterior or the roof.
- Collected bulk samples of suspect ACMs and submitted the samples to a certified laboratory for analysis.
- Performed testing of suspect LBPs using direct-reading x-ray fluorescence (XRF) equipment.
- Performed a visual survey of the building interior to inventory potentially hazardous materials, including: fluorescent light fixtures and light tubes, thermostats, illuminated fire exit signs, and drums or containers of hazardous materials.
- Prepared this report.
- Converse completed the survey from August 25 through September 10, 2021.

The Scope of Services was completed by, or under the supervision, of the following Converse employees.

Name	Asbestos Cert. No.	Lead Cert. No.	Project Role	Contact Number
Norman Eke (NSE)	CAC #96-2093	--	QA/QC	626-807-3407
George Paler (GJP)	CAC #93-1136	CDPH #258	Sampling	626-807-3416
Rodney Stansfield (RDS)	CAC #97-2309	CDPH #4397	Sampling; Report Generation	714-333-8222
Laura Tanaka (LAT)	CAC #11-4708	CDPH #7879	Project Management; Report Generation	626-807-3422

All bulk asbestos samples were submitted to the following laboratory:

- LA Testing  
5431 Industrial Drive, Huntington Beach, California; (714) 828-4999  
NVLAP #101384-0; State of California ELAP #1406

Copies of applicable staff certifications and the laboratory have been provided in Appendix A.



## 2.0 Sampling Methodology

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### 2.1 Asbestos

Prior to sampling, Converse visually surveyed the interior of the structure for presumed ACMs and homogeneous areas (areas that have uniform color, texture, and appearance). Suspect materials were divided into friable and non-friable materials and placed in one of the following Environmental Protection Agency (EPA) categories:

- Surfacing Materials (sprayed or troweled-on materials)
- Thermal Systems Insulations (materials generally applied to various mechanical systems)
- Miscellaneous Materials (any materials which do not fit in the above categories)

Typical suspect materials sampled included, but were not limited to, the following:

- Vinyl floor tiles (VFT) and associated mastics
- Baseboard and carpet mastics
- Ceiling panels
- Plaster walls and ceilings
- Drywall/joint compound on walls
- Spray-applied plaster
- Hard-pack elbows on insulated metal pipes
- HVAC cloth tape on metal ducts
- Grout associated with ceramic wall and floor tiles
- Hard countertops
- Undercoating on metal sinks
- Transite (cement) cabinet liners

The strategy for the collection of asbestos samples was in general accordance with Environmental Protection Agency (EPA) guidance document *“Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials”*, EPA 560/5-85-030a, October 1985, 40 CFR 763 (AHERA); *National Exposure Standards for Hazardous Air Pollutants (NESHAP)*, 40 CFR Part 61; and South Coast Air Quality Management District, *Rule 1403, Asbestos Emissions From Demolition/Renovation Activities*, Amended October 5, 2007.

### 2.2 LBP

Prior to sampling, Converse visually surveyed the interior and exterior of the building for painted building components. Our sampling methodology generally followed the “Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing” published by the Department of Housing and Urban Development (HUD) in 1995. However, similarly painted building components were treated as homogenous throughout the building.



The LBP Survey was conducted using a Viken Pb200i X-ray fluorescence (XRF) device. The detection level for lead was set at 1.0 mg/cm<sup>2</sup> as defined by the EPA.

Typical components surveyed included, but were not limited to the following:

- Doors and associated components
- Walls, ceilings and floors
- Columns and baseboards
- Window casings
- Cabinets, lockers, and counters
- HVAC ducts
- Sinks, toilets, urinals
- Handrails
- Soffits
- Chalkboards

## **2.3 Other Hazardous Materials**

Converse inventoried fluorescent light fixtures, mercury-containing thermostats, smoke detectors, fire alarms, exit signs, and various containers of hazardous materials in the building.

The inventory was completed to provide an estimate of the number of items which will require special handling for disposal.



## 3.0 Discussion of Survey Results

### 3.1 Asbestos

The bulk samples were logged on to chain-of-custody documentation and submitted to a State-certified laboratory (LA Testing) for analysis by polarized light microscopy (PLM) using US EPA Method 600/R-93/116. Sample results containing less than 1% asbestos by weight (<1%) were further analyzed by 1,000-point count method.

Provided in the following table is a summary of the bulk asbestos sample results. The laboratory analytical reports, sample location maps, and chain-of-custody documentation are included in Appendix B. All square footages are approximations.

**Table 1 – Summary of Asbestos Results & Observations**

Sample No.	Building Material	Percent Asbestos	Comments
The building was occupied at the time of the survey. No obvious fire or structural damage was observed in the building.			
01-03	Carpet mastic, residual black	2%	Chrysotile asbestos detected in black residual mastic and leveling compound associated with carpeting on the 2 <sup>nd</sup> and 3 <sup>rd</sup> floors only. Approximately 9,250 square feet in Rooms 202, 203, 204, 205, 209, 217, 327, and 332. The carpet will need to be disposed of as asbestos contaminated waste if the mastic is adhered to the backside of the carpeting. Non-friable.  The 1 <sup>st</sup> floor carpet and backing were different and were sampled separately. See Sample #'s 13-15.)
04-06	Baseboard mastic	None Detected	Located throughout the building on drywall or plaster walls, behind non-suspect vinyl baseboards.
07-09	Concrete floor slab	None Detected	Located throughout the project areas.
10-12	2x4-foot fissured ceiling panels, white	None Detected	Suspended ceilings located throughout various classrooms, offices, and storage rooms in the project areas.
13-15	Grey carpet mastic and leveling compound	None Detected	Located beneath rubber carpet lining in Room 127 and associated offices.
16-18	White wall tile grout	None Detected	Associated with non-suspect ceramic wall tiles in the restrooms.
19-21	Grey floor tile grout	None Detected	Associated with non-suspect ceramic floor tiles in the restrooms.
22-24	Ceiling plaster	None Detected	Located in the restrooms, and in Room 327. Steel mesh backing.

**Table 1 – Summary of Asbestos Results & Observations**

Sample No.	Building Material	Percent Asbestos	Comments
25-31	Wall Plaster	None Detected	Approximately 83,700 square feet located throughout the project areas. Steel mesh or drywall backing.  Sample #31 had a trace amount of asbestos detected in the skim coat and plaster based on the PLM analysis. The sample was further evaluated by 1,000 point count and found to have <0.1% asbestos. Based on the point count results, the material is considered to be non asbestos-containing material.
32-34	2-foot grey/blue VFT and mastic	None Detected	Located in the common areas and corridors on the 1 <sup>st</sup> , 2 <sup>nd</sup> , and 3 <sup>rd</sup> floors. On concrete.
35-37	12-inch beige speckled VFT and black mastic	2% Tile  3% Mastic	Chrysotile asbestos detected in VFT and mastic. Approximately 24,000 square feet. Located in Rooms 103, 104, 105, 106, 110, 111, 114 and entry, 116, 307, 308, 309, 310, 311, 313, 314, 315, 316, 317, 318, 319, 320, 321, 323, 324, 326, 322, 334, and 335. On concrete. Non-friable.
38- 40	12-inch light grey speckled VFT and mastic	None Detected	Approximately 16,000 square feet in Rooms 104, 112, 113, 114 annex, 123, 123A, 1 <sup>st</sup> floor BDF, 3 <sup>rd</sup> floor IDF, and 308. On concrete.
41-43	Hard-pack elbow insulation on 4-inch pipes	None Detected	4 elbows located in the project areas: Above suspended ceilings in the southwest section of the 2 <sup>nd</sup> floor common area. Other elbows and all pipe runs (2-inch and 4-inch) were observed to be insulated with fiberglass.
44-46	Hard-pack elbow insulation on 6-inch pipes	None Detected	4 elbows located in the project areas: Above suspended ceilings in the southwest section of the 2 <sup>nd</sup> floor common area. All pipe runs were observed to be insulated with fiberglass.
47-53	Spray-applied plaster	None Detected	At top (deck level) of walls throughout the project areas.
54, 55, 78	Drywall/joint compound	None Detected	Walls located in Rooms 123 (entry) and 209.
57-59	Hard countertops	None Detected	On top of wooden cabinets and work benches in Rooms 307, 308, 309, 310, 311, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 334, and 335. A total of 71 countertops.  A total of 56 hard-top mobile desks were also observed in Rooms 309, 311, 316, 317, and 335. Upon further inspection it appeared that these desktops were painted pressboard (wood).
60-62, 79-82	Drywall behind plaster walls	None Detected	Located throughout the project areas. No joint compound was observed.
63-65	12-inch light beige with brown speckles VFT and mastic	None Detected	Located sporadically throughout Room 308. On concrete.
66-68	Mastic to 12-inch pink speckled VFT	2%-6% Mastic	Chrysotile asbestos only detected in the mastic, which was a mixture of black, yellow and brown. No asbestos detected in the VFT. Approximately 80 square feet located sporadically throughout Rooms 114 and 114A. Non-friable.

**Table 1 – Summary of Asbestos Results & Observations**

Sample No.	Building Material	Percent Asbestos	Comments
69-71	HVAC cloth tape	None Detected	Located on metal ducts above ceiling level throughout the project areas. Painted silver in many locations.
72-74	Sink undercoating	6%	Chrysotile asbestos detected in the black coating. Black material located on the underside of 16 metal sinks in Rooms 311, 316, 317, 323, 324, 326, 327, 334, and 335. Approximately 95 square feet of non-friable material.
75	Transite cabinet lining	18%	Chrysotile asbestos. Only 1 confirmation sample collected. Located in the interior of 23 wooden cabinets beneath fume hoods in Rooms 307, 308, 309, and 324. Non-friable.
56, 76, 77	Dry/joint compound (tenant improvement walls)	None Detected	Sample #56 was analyzed by PLM and found to contain a trace amount of asbestos. The sample was further evaluated by 1,000 point count and found to have <0.1% asbestos. Based on the point count results, the material is considered to be a non asbestos-containing material. Located in Room 127 (walls).

**Notes:**

The following materials were assumed to be ACMs. These materials were not sampled due to the destructive nature of the sampling:

**Fires Doors:** Converse observed 10 fire doors or fire rated doors on the 1<sup>st</sup> floor. None were observed on the 2<sup>nd</sup> or 3<sup>rd</sup> floors.

**Hard fume hoods:** Converse observed 13 black fibrous fume hoods in Rooms 307, 308, 311, 316, 317, 323, and 323.

**12x12 fissured ceiling tiles and mastic:** Located in the 2nd floor landing area of the northwest stairwell (project area).

**Rubber floor covering:** Located on the steps and floor of the 2nd floor landing area on the northwest stairwell (project area).

Converse will need to collect bulk samples and/or survey the following additional materials once the project areas are vacant:

- Wall and ceiling void spaces. Converse will attempt to access void spaces once the building is vacant.
- Fire Doors will be further evaluated once project areas are vacant.
- Hard fume hoods will need to be sampled once it is determined if they are to be moved intact or disassembled.
- 12-inch fissured ceiling tiles and mastic, and rubber floor covering, both in the northwest stairwell. These materials will need to be sampled once the project area is vacant.

## 3.2 LBP

Based on the XRF readings, a lead concentration greater than 1.0 mg/cm<sup>2</sup> was detected in the following interior components:

**Table 2 – Summary of Positive XRF Readings**

Building Component	Paint Color	Lead Conc. (mg/cm <sup>2</sup> )	Comments
Metal cabinets	Red	1.0 – 1.7	Located in Rooms 123A ,123B, 327, 309
Ceramic wall tiles	Beige	2.5 to 10.7	Located in the Restrooms and Custodian Rooms on each floor. Nine walls total.
Metal fume hood	Tan, Red	1.0 - 3.1	Located in Rooms 123A, 123B, 311.

The remaining exterior and interior painted components had lead concentrations less than 1.0 mg/cm<sup>2</sup>.

Provided in Appendix C is a copy of the XRF Field Logs.

## 3.3 Other Hazardous Materials

Converse conducted a visual survey of the building interior to inventory potentially hazardous materials, including:

### Fluorescent Light Tubes and Light Ballasts

During our survey, Converse identified a total of three (3) light fixtures with fluorescent light tubes in the project areas.

- 2-feet by 4-feet fixtures: The 2x4 fixtures contained two (2) fluorescent light tubes and were located on the (two (2) fixtures on the 2nd floor).
- One (1) 8-feet by 1-foot fixture: The fixture contained one (1) fluorescent light tube and was located on the 1<sup>st</sup> floor.

Converse estimated four (4) fluorescent light tubes are present in the project areas. Converse also assumed there is one (1) ballast per fixture, or three (3) light ballasts.

The majority of the lighting in the building contained LED light strips. These fixtures were not included in the survey.

### Thermostats

During our survey, Converse observed two (2) thermostats in the project areas. The thermostats were either round or square and were located on the 1<sup>st</sup> floor.



### Smoke Detectors, Fire Alarms & Exit Signs

During our survey, converse observed the following numbers of smoke detectors, fire alarms, and exit signs in the project areas:

- Smoke Detectors: 3
- Fire Alarms: 43
- Exit Signs: 17. The exit signs do not appear to be radioactive due to the lack of labels.

### Containers of Hazardous Materials

No containers of paint, solvent, or other hazardous materials were observed by Converse during this Survey. Small containers of cleaning chemicals were observed in the Custodial Rooms on each floor.



## 4.0 Conclusions and Recommendations

### 4.1 Asbestos

Prior to demolition activities, the following ACMs will need to be abated:

**Table 3 – ACMs to be Abated**

Sample No.	Building Material	Percent Asbestos	Comments
01-03	Carpet mastic, residual black	2%	Chrysotile asbestos detected in black residual mastic and leveling compound associated with carpeting on the 2 <sup>nd</sup> and 3 <sup>rd</sup> floors only. Approximately 9,250 square feet in Rooms 202, 203, 204, 205, 209, 217, 327, and 332. The carpet will need to be disposed of as asbestos contaminated waste if the mastic is adhered to the backside of the carpeting. Non-friable.  The 1 <sup>st</sup> floor carpet and backing were different and were sampled separately. See Sample #'s 13-15.)
35-37	12-inch beige speckled VFT and black mastic	2% Tile 3% Mastic	Chrysotile asbestos detected in VFT and mastic. Approximately 24,000 square feet. Located in Rooms 103, 104, 105, 106, 110, 111, 114 and entry, 116, 307, 308, 309, 310, 311, 313, 314, 315, 316, 317, 318, 319, 320, 321, 323, 324, 326, 322, 334, and 335. On concrete. Non-friable.
66-68	Black mastic to 12-inch pink speckled VFT	2%-6% Mastic	Chrysotile asbestos only detected in the mastic, which was a mixture of black, yellow and brown. No asbestos detected in the VFT. Approximately 80 square feet located sporadically throughout Rooms 114 and 114A. Non-friable.
72-74	Sink undercoating	6%	Chrysotile asbestos detected in the black coating. Black material located on the underside of 16 metal sinks in Rooms 311, 316, 317, 323, 324, 326, 327, 334, and 335. Approximately 95 square feet of non-friable material.
75	Transite cabinet lining	18%	Chrysotile asbestos. Only 1 confirmation sample collected. Located in the interior of 23 wooden cabinets beneath fume hoods in Rooms 307, 308, 309, and 324. Non-friable.
--	Fire doors	Assumed ACM	Converse observed 10 fire doors or fire rated doors on the 1 <sup>st</sup> floor. None were observed on the 2 <sup>nd</sup> or 3 <sup>rd</sup> floors. No samples were collected.
--	Hard fume hoods	Assumed ACM	Converse observed 13 black fibrous fume hoods in Rooms 307, 308, 311, 316, 317, 323, and 323. No samples were collected.
--	12-inch fissured ceiling tiles and mastic	Assumed ACM	Located in the 2 <sup>nd</sup> floor landing area of the northwest stairwell (project area).
--	Rubber floor covering	Assumed ACM	Located on the steps and floor of the 2 <sup>nd</sup> floor landing area on the northwest stairwell (project area).

Prior to the renovation activities, all impacted ACMs will need to be abated. The abatement must be performed by a Cal/OSHA licensed asbestos abatement contractor using methods in accordance with Title 8 of California Code of Regulations (CCR) 1529 and South Coast Air Quality Management District (SCAQMD) Rule 1403.

Converse further recommends that asbestos abatement procedures be monitored by an independent Certified Asbestos Consultant knowledgeable in asbestos abatement procedures.

Due to the destructive nature of the sampling methods, Converse did not collect samples of the following materials: Fire doors; 12-inch fissured ceiling tiles; rubber floor/step matting; and black fume hoods (see table above for details). These materials will need to be assumed positive for asbestos until bulk samples can be collected and analyzed for asbestos content.

## 4.2 LBP

A lead concentration greater than 1.0 mg/cm<sup>2</sup> was detected in the following building components:

**Table 3 – LPBs or LCMs to be Abated**

Building Component	Paint Color	Lead Conc. (mg/cm <sup>2</sup> )	Comments
Metal cabinets	Red	2.0 – 1.7	Located in Rooms 123A ,123B. 327, 309
Ceramic wall tiles	Beige	2.5 to 10.7	Located in the Restrooms and Custodian Rooms on each floor. Nine walls total.
Metal fume hood	Tan, Red	1.0 - 3.1	Located in Rooms 123A, 123B, 311.

If any of the LCMs listed above are to be impacted by the renovation activities, they will first need to be abated by a licensed LBP abatement contractor. Any debris generated from work upon the ceramic tiles will need to be characterized for lead content to determine proper disposal procedures.

The metal cabinets and metal fume hood will need to be removed intact (one piece, no damage), which will allow for the disposal of those items as construction waste. If any of those items are damaged, they will need to be disposed of lead waste, and the lead-containing waste will need to be characterized for lead content to determine proper disposal procedures.

Although other painted surfaces tested did not meet the criteria for LBP, concentrations of lead were detected in these other materials. Title 8 CCR 1532.1 (Lead) may require workers that perform either manual demolition or manual scraping or sanding of painted surfaces to undergo an exposure assessment including air monitoring of the breathing zone.

In the event that suspect LBPs are observed during the renovation activities that were not previously sampled, these materials should be assumed to contain lead in concentrations exceeding 1.0 mg/cm<sup>2</sup>, until such time that they can be sampled and evaluated for lead content.

### **4.3 Other Hazardous Materials**

If the light fixtures and ballasts, mercury thermostats, smoke detectors, fire alarms, exit signs, and containers of hazardous materials are impacted by the planned renovation projects, the items will need to be disposed of appropriately.

- All fluorescent light fixtures to be disposed of shall be disassembled in a non-destructive manner. All fluorescent light tubes shall be removed intact, packaged, and disposed of appropriately.
- Once fluorescent light tubes have been removed from light fixtures to be disposed of, ballasts shall be visually inspected. All ballasts which are not clearly marked “No PCBs” or “PCB Free” shall be assumed to contain PCBs, and shall be removed intact, packaged, and disposed of appropriately. All other ballasts may be incinerated or recycled at an appropriate disposal site.
- Mercury switches identified in thermostat controls shall be removed intact, packaged, and disposed of appropriately.
- Smoke detectors that are impacted by the renovation activities will need to be disassembled and categorized as either ionization detector (radioactive) or photoelectric detectors, which can be completed by checking for the required radioactive stickers on the inside of the detector. Photoelectric detectors may be discarded as construction debris. Ionization detectors will require appropriate off-site disposal per appropriate regulations.
- Exit signs that are impacted by the renovation activities will also need to be checked/verified for a radioactive source. Ionized signs will require appropriate off-site disposal per appropriate regulations.
- Any chemicals no longer being used at the facility should be disposed of appropriately.



## 5.0 Reliance and Limitations

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This report is for the sole benefit and exclusive use of the North Orange County Community College District (NOCCCD) and Cypress College as it pertains to the old SEM Building located on the campus of Cypress College (9200 Valley View Boulevard, Cypress, CA). Our services have been performed in accordance with the terms and conditions under which these services have been provided. Its preparation has been in accordance with generally accepted environmental practices. No other warranty, either express or implied, is made. The Scope of Services associated with the report was designed solely in accordance with the objectives, schedule, budget, and risk-management preferences of NOCCCD and Cypress College.

This report should not be regarded as a guarantee that further ACMs or LBPs, beyond that which could be detected within the scope of this project, is present at the Property. It is not possible to absolutely confirm that no hazardous materials and/or substances exist at the Property. If none are identified as part of a limited scope of work, such a conclusion should not be construed as a guaranteed absence of such materials, but merely the results of the evaluation of the property at the time of the survey. Also, events may occur after the Property visit, which may result in contamination of the Property. Additional information, which was not found or available to Converse at the time of report preparation, may result in a modification of the conclusions and recommendations presented.

Any reliance on this report by Third Parties shall be at the Third Party's sole risk.



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## Certifications

# Appendix A



## DEPARTMENT OF INDUSTRIAL RELATIONS

## Division of Occupational Safety and Health

## Asbestos Certification &amp; Training Unit

1750 Howe Avenue, Suite 460

Sacramento, CA 95825

(916) 574-2993 Office <http://www.dir.ca.gov/dosh/asbestos.html> [acru@dir.ca.gov](mailto:acru@dir.ca.gov)

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Converse Consultants  
Norman S Eke  
717 S. Myrtle Avenue  
Monrovia CA 91016

December 10, 2020

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please notify our office via U.S. Postal Service or other carrier of any changes in your mailing or work address within 15 days of the change.

Sincerely,

Jeff Ferrell  
Senior Safety Engineer

Attachment: Certification Card

cc: File

Renewal – Card Attached (Revised 06/2020)





STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC HEALTH



## LEAD-RELATED CONSTRUCTION CERTIFICATE

**INDIVIDUAL:**



**George Palar**

**CERTIFICATE TYPE:**

Lead Inspector/Assessor  
Lead Project Designer  
Lead Project Monitor

**NUMBER:**

LRC-00000258  
LRC-00000259  
LRC-00000257

**EXPIRATION DATE:**

6/26/2022  
6/26/2022  
6/26/2022

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at [www.cdph.ca.gov/programs/clppb](http://www.cdph.ca.gov/programs/clppb) or calling (800) 597-LEAD.

State of California  
Division of Occupational Safety and Health  
**Certified Asbestos Consultant**

**George John Palar**



Name  
Certification No. **93-1136**  
Expires on **11/19/21**  
This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.



STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC HEALTH



## LEAD-RELATED CONSTRUCTION CERTIFICATE

INDIVIDUAL:



Rodney Stansfield

CERTIFICATE TYPE:

Lead Project Monitor  
Lead Inspector/Assessor

NUMBER:

LRC-00004396  
LRC-00004397

EXPIRATION DATE:

12/17/2021  
12/17/2021

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at [www.cdph.ca.gov/programs/clppb](http://www.cdph.ca.gov/programs/clppb) or calling (800) 597-LEAD.

State of California  
Division of Occupational Safety and Health  
Certified Asbestos Consultant

**Rodney Dean Stansfield**



Name

Certification No. **97-2309**

Expires on **12/08/21**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.



STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC HEALTH



## LEAD-RELATED CONSTRUCTION CERTIFICATE

**INDIVIDUAL:**



**Laura Tanaka**

**CERTIFICATE TYPE:**

Lead Inspector/Assessor  
Lead Project Designer  
Lead Project Monitor

**NUMBER:**

LRC-00007879  
LRC-00007880  
LRC-00007878

**EXPIRATION DATE:**

4/27/2022  
4/27/2022  
4/27/2022

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at [www.cdph.ca.gov/programs/clppb](http://www.cdph.ca.gov/programs/clppb) or calling (800) 597-LEAD.

State of California  
Division of Occupational Safety and Health  
**Certified Asbestos Consultant**

**Laura A Tanaka**

Name

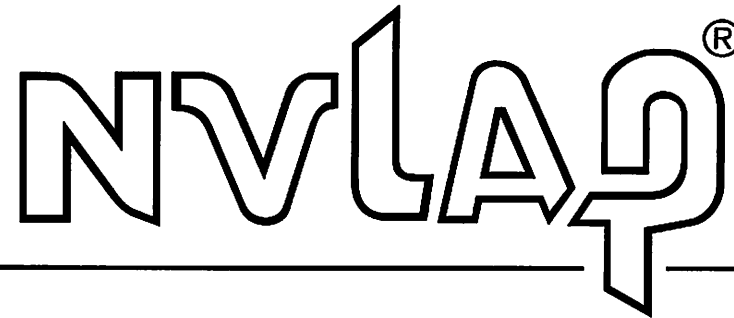
Certification No. **11-4708**

Expires on **01/19/22**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.



United States Department of Commerce  
National Institute of Standards and Technology



**Certificate of Accreditation to ISO/IEC 17025:2017**

**NVLAP LAB CODE: 101384-0**

**LA Testing-Huntington Beach**  
Huntington Beach, CA

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

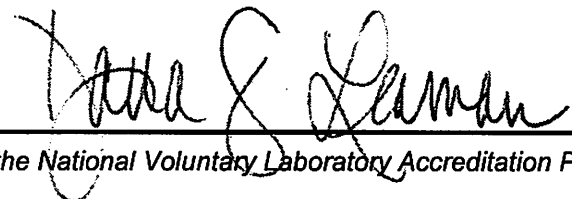
**Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2021-07-01 through 2022-06-30

Effective Dates



  
For the National Voluntary Laboratory Accreditation Program

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**LA Testing-Huntington Beach**

5431 Industrial Drive  
Huntington Beach, CA 92649  
Mr. Christopher Miranda  
Phone: 714-828-4999  
Email: cmiranda@latesting.com  
<http://www.latesting.com>

**ASBESTOS FIBER ANALYSIS**

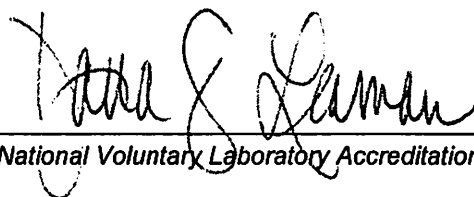
**NVLAP LAB CODE 101384-0**

**Bulk Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

**Airborne Asbestos Analysis**

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.



*For the National Voluntary Laboratory Accreditation Program*



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**Asbestos**  
Analytical Reports,  
Chain of Custody Documentation &  
Sample Location Maps

# Appendix B





# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332119915

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

**Attention:** Laura Tanaka  
Converse Consultants  
717 S Myrtle Avenue  
Monrovia, CA 91016

**Phone:** (626) 930-1260

**Fax:** (626) 930-1212

**Received Date:** 08/26/2021 6:00 PM

**Analysis Date:** 09/02/2021

**Collected Date:** 08/26/2021

**Project:** 21-42-121-02

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
01 <small>332119915-0001</small> <i>Result includes inseparable attached black mastic and gray leveler</i>	Room 327 - Carpet mastic on concrete	Gray/Black/Yellow Non-Fibrous Heterogeneous		98% Non-fibrous (Other)	2% Chrysotile
02 <small>332119915-0002</small>	Room 203, SW doorway - Carpet mastic on concrete	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
03 <small>332119915-0003</small>	Rm 217, NW - Carpet mastic on concrete	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04-Mastic 1 <small>332119915-0004</small>	Rm 327, East wall, South - Baseboard mastic	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
04-Mastic 2 <small>332119915-0004A</small>	Rm 327, East wall, South - Baseboard mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-Mastic 1 <small>332119915-0005</small>	Room 203, West wall, South - Baseboard mastic	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
05-Mastic 2 <small>332119915-0005A</small>	Room 203, West wall, South - Baseboard mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-Mastic 1 <small>332119915-0006</small>	Room 123, North entry - Baseboard mastic	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
06-Mastic 2 <small>332119915-0006A</small>	Room 123, North entry - Baseboard mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
07 <small>332119915-0007</small>	Room 123, NW room (B) - Concrete slab floor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
08 <small>332119915-0008</small>	2nd floor, SE custodial - Concrete slab floor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09-Concrete 1 <small>332119915-0009</small>	3rd floor, NW mechanical - Concrete slab floor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
09-Concrete 2 <small>332119915-0009A</small>	3rd floor, NW mechanical - Concrete slab floor	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
10 <small>332119915-0010</small>	Room 106, NW - 2 x 4' suspended ceiling panels, fissured	Gray/White Fibrous Heterogeneous	40% Cellulose 30% Min. Wool	30% Non-fibrous (Other)	None Detected
11 <small>332119915-0011</small>	Room 311, South - 2 x 4' suspended ceiling panels, fissured	Gray/White Fibrous Heterogeneous	40% Cellulose 30% Min. Wool	30% Non-fibrous (Other)	None Detected
12 <small>332119915-0012</small>	Room 209, North - 2 x 4' suspended ceiling panels, fissured	Gray/White Fibrous Heterogeneous	40% Cellulose 30% Min. Wool	30% Non-fibrous (Other)	None Detected

Initial report from: 09/02/2021 14:34:47



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332119915

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
13-Mastic 332119915-0013	Room 127D, SW - Grey carpet mastic, and leveling compound	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13-Leveler 332119915-0013A	Room 127D, SW - Grey carpet mastic, and leveling compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14-Mastic 332119915-0014	Room 127G, East - Grey carpet mastic, and leveling compound	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14-Leveler 332119915-0014A	Room 127G, East - Grey carpet mastic, and leveling compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-Mastic 332119915-0015	Room 127, East - Grey carpet mastic, and leveling compound	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-Leveler 332119915-0015A	Room 127, East - Grey carpet mastic, and leveling compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16 332119915-0016	1st floor men's restroom, N - Wall tile grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17 332119915-0017	2nd floor men's restroom, NE - Wall tile grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18 332119915-0018	3rd floor men's restroom, N - Wall tile grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-Grout 1 332119915-0019	1st floor men's restroom, W - Floor tile grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-Grout 2 332119915-0019A	1st floor men's restroom, W - Floor tile grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20 332119915-0020	2nd floor men's restroom, E - Floor tile grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21 332119915-0021	3rd floor men's restroom, W - Floor tile grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22-Skim Coat 332119915-0022	3rd floor men's restroom - Ceiling plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22-Plaster 332119915-0022A	3rd floor men's restroom - Ceiling plaster	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23-Plaster 1 332119915-0023	2nd floor men's restroom, hatch - Ceiling plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23-Plaster 2 332119915-0023A	2nd floor men's restroom, hatch - Ceiling plaster	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 09/02/2021 14:34:47



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Tel/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332119915

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
24-Skim Coat	1st floor men's restroom, entry - Ceiling plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
332119915-0024					
24-Plaster	1st floor men's restroom, entry - Ceiling plaster	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
332119915-0024A					

Analyst(s)

Mindy Le (35)

Michael Chapman, Laboratory Manager  
or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0, CA ELAP 1406

Initial report from: 09/02/2021 14:34:47



# Asbestos Chain of Custody

LA Testing Order Number (Lab Use Only):

#332119915

LA TESTING  
520 MISSION STREET  
S. PASADENA, CA 91030  
PHONE: (323) 254-9960  
FAX: (323) 254-9982

Company : Converse Consultants		LA Testing-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 717 S Myrtle Avenue		Third Party Billing requires written authorization from third party	
City: Monrovia	State/Province: CA	Zip/Postal Code: 91061	Country: USA
Report To (Name): Laura Tanaka		Fax #:	
Telephone #: 626-807-3422		Email Address: LTanaka@converseconsultants.com	
Project Name/Number: 21-42-121-02			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email		Purchase Order: 21-42-121-02	U.S. State Samples Taken: CA
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week
*For TEM Air 3 hours through 6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.			
<b>PCM - Air</b> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
		<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) <b>Other:</b> <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group			
Samplers Name: Rodney Stensfield		Samplers Signature: <i>Rodney Stensfield</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	SEE ATTACHED	See Attached	08/25/26
Client Sample # (s):		Total # of Samples:	
Relinquished (Client): <i>Rodney Stensfield</i>		Date: 08/26/21	Time: 1750
Received (Lab): EM(Wi)		Date: 8/26/21	Time: 6:00 PM
Comments/Special Instructions:			



#332119915

**Converse Consultants**

☐ Monrovia Office  
717 S. Myrtle Avenue  
Monrovia, CA 91016  
(626) 930-1200

☒ Costa Mesa Office  
3176 Pullman St., Suite 108  
Costa Mesa, CA 92626  
(714) 444-9660

☐ Rancho Office  
8333 Foothill Blvd. Suite 104  
Rancho Cucamonga, CA 91730  
(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 26, 2021HOMOGENEOUS MATERIAL: Carpet Mastic on Concrete

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
Ø1	Room 327	9250*	NF - No Padding. Good
Ø2	Room 2Ø3, SW Doorway	↓	NF - Under Padding
Ø3	Rm 217, NW	↓	NF - No Padding ↓

**Additional Comments:** 2nd and 3rd floors only. 1st floor  
carpet is different.  
In classrooms (lecture) and offices  
\*work areas only

#332119915

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Monrovia, CA 91016  
(626) 930-1200

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Costa Mesa, CA 92626  
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8333 Foothill Blvd. Suite 104  
Rancho Cucamonga, CA 91730  
(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 26, 2021

HOMOGENEOUS MATERIAL:

Baseboard Mastic

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
Ø4	Rm 327, East wall, South	1,530*	NF - Layered, Good
Ø5	Room 203, West wall, South	↓	↓
Ø6	Room 123, North Entry	↓	↓

Additional Comments:

Layered - Newer white / yellow on top  
of older brown.  
4" blue or black non-suspect vinyl  
baseboard.  
\*work areas only



#332119915

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Rancho Cucamonga, CA 91730  
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**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 26, 2021

HOMOGENEOUS MATERIAL:

Concrete Slab Floor

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
Ø7	Room 123, NW Room <sup>(B)</sup>	55,540*	NF, Good condition
Ø8	2nd Floor, SE Custodial	↓	↓
Ø9	3rd Floor, NW Mechanical	↓	↓

Additional Comments:

\* work areas only.Open, under carpet, or under floor tiles



#332119915

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8333 Foothill Blvd. Suite 104  
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**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 26, 2021

HOMOGENEOUS MATERIAL:

2 x 4' Suspended Ceiling Panels, Fissured

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
10	Room 106, NW	55,000*	NF, Misc. Good Cond.
11	Room 311, South	↓	↓
12	Room 209, North	↓	↓

Additional Comments:

Beneath non-suspect concrete ceiling in offices, ~~and~~ classrooms, and soffits in common areas.  
\* Project areas only.

#332119915

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**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 26, 2021HOMOGENEOUS MATERIAL: Grey Carpet Mastic, and Leveling Compound

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
13	Room 127D, SW	1,950	NF, Misc. Good Cond.
14	Room 127G, East	↓	↓
15	Room 127, East	↓	↓

**Additional Comments:** Under rubber carpet padding.  
On concrete slab.



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Rancho Cucum, CA 91730  
(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 26, 2021HOMOGENEOUS MATERIAL: Wall Tile Grout

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
16	1 <sup>st</sup> Floor Men's Restroom, N	720	NF. Good Condition
17	2 <sup>nd</sup> Floor " " , NE	↓	↓
18	3 <sup>rd</sup> Floor " " , N	↓	↓

Additional Comments: Non-suspect ceramic wall tiles  
in restrooms - 2 per floor.

#332119915

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**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 26, 2021HOMOGENEOUS MATERIAL: Floor Tile Grout

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
19	1st Floor Men's Restroom, W	900	NF, Good Condition
20	2nd Floor " " , E	↓	↓
21	3rd Floor " " , W	↓	↓

Additional Comments: Non-Suspect ceramic floor tile in each restroom, 2 per floor.



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**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 26, 2021

HOMOGENEOUS MATERIAL:

Ceiling Plaster

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
22	3rd Floor Men's Restroom,	960	NF, Good Condition
23	2nd Floor " " , Hatch	↓	↓
24	1st Floor " " , Entry	↓	↓

Additional Comments:

2 restrooms + Entrypways on each floor. PaintedRodney Steamfield 08/26/21



# LA Testing

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<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332120204

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

**Attention:** Laura Tanaka  
Converse Consultants  
717 S Myrtle Avenue  
Monrovia, CA 91016

**Phone:** (626) 930-1260

**Fax:** (626) 930-1212

**Received Date:** 08/27/2021 6:00 PM

**Analysis Date:** 09/02/2021 - 09/03/2021

**Collected Date:** 08/27/2021

**Project:** 21-42-121-02

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
25 332120204-0001	Room 106, NW - Wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-Skim Coat 332120204-0002	2nd floor SE custodial - Wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-Plaster 332120204-0002A	2nd floor SE custodial - Wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27 332120204-0003	3rd floor men's restroom, W - Wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28-Skim Coat 332120204-0004	Room 105, east wall, north - Wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
28-Plaster 332120204-0004A	Room 105, east wall, north - Wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29-Skim Coat 332120204-0005	Room 205, south wall, west - Wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
29-Plaster 332120204-0005A	Room 205, south wall, west - Wall plaster	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30-Skim Coat 332120204-0006	Room 309, flammable storage - Wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30-Plaster 332120204-0006A	Room 309, flammable storage - Wall plaster	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
31-Skim Coat 332120204-0007	Room 325, west - Wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
31-Plaster 332120204-0007A	Room 325, west - Wall plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
32-Vinyl Floor Tile 332120204-0008	2nd floor corridor near SE custodial - 2x2'	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32-Mastic 332120204-0008A	2nd floor corridor near SE custodial - 2x2'	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
32-Leveler 332120204-0008B	2nd floor corridor near SE custodial - 2x2'	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33-Vinyl Floor Tile 1 332120204-0009	1st floor common area, SW - 2x2'	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 09/03/2021 16:25:20



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332120204

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
33-Mastic 1 332120204-0009A	1st floor common area, SW - 2x2'	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33-Vinyl Floor Tile 2 332120204-0009B	1st floor common area, SW - 2x2'	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33-Mastic 2 332120204-0009C	1st floor common area, SW - 2x2'	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34-Vinyl Floor Tile 332120204-0010	1st floor common area, NW - 2x2'	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34-Mastic 332120204-0010A	1st floor common area, NW - 2x2'	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
35-Coating 332120204-0011	Room 309, north - 12x12" beige speckled vinyl floor tiles + mastic	Gray/Black Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
35-Vinyl Floor Tile 332120204-0011A	Room 309, north - 12x12" beige speckled vinyl floor tiles + mastic	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
35-Mastic 332120204-0011B	Room 309, north - 12x12" beige speckled vinyl floor tiles + mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
36-Vinyl Floor Tile 332120204-0012	Room 106, north - 12x12" beige speckled vinyl floor tiles + mastic	Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
36-Mastic 332120204-0012A	Room 106, north - 12x12" beige speckled vinyl floor tiles + mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
37-Vinyl Floor Tile 332120204-0013	Room 308, east - 12x12" beige speckled vinyl floor tiles + mastic	Brown/Beige Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
37-Mastic 332120204-0013A	Room 308, east - 12x12" beige speckled vinyl floor tiles + mastic	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
38-Vinyl Floor Tile 332120204-0014	Room 123, SW - 12" light grey speckled vinyl floor tiles + mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
38-Mastic 332120204-0014A	Room 123, SW - 12" light grey speckled vinyl floor tiles + mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39-Vinyl Floor Tile 332120204-0015	Room 308, east - 12" light grey speckled vinyl floor tiles + mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 09/03/2021 16:25:20



# LA Testing

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<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332120204

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
39-Mastic 332120204-0015A	Room 308, east - 12" light grey speckled vinyl floor tiles + mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
40-Vinyl Floor Tile 332120204-0016	Room 112, north - 12" light grey speckled vinyl floor tiles + mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
40-Mastic 332120204-0016A	Room 112, north - 12" light grey speckled vinyl floor tiles + mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Jeffrey wang (22)

Tony Salgado (12)

Michael Chapman, Laboratory Manager  
or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0, CA ELAP 1406

Initial report from: 09/03/2021 16:25:20





# Asbestos Chain of Custody

LA Testing Order Number (Lab Use Only):

#332120204

LA TESTING  
520 MISSION STREET  
S. PASADENA, CA 91030  
PHONE: (323) 254-9960  
FAX: (323) 254-9982

Company : Converse Consultants		LA Testing-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 717 S Myrtle Avenue		Third Party Billing requires written authorization from third party	
City: Monrovia	State/Province: CA	Zip/Postal Code: 91061	Country: USA
Report To (Name): Laura Tanaka		Fax #:	
Telephone #: 626-807-3422		Email Address: LTanaka@converseconsultants.com	
Project Name/Number: 21-42-121-02			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email Purchase Order: 21-42-121-02 U.S. State Samples Taken: CA			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hours through 6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.			
<b>PCM - Air</b> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
		<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) <b>Other:</b> <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group			
Samplers Name: Rodney Stanfield		Samplers Signature: Rodney Stanfield	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	SEE ATTACHED	See Attached	08/26, 08/27
Client Sample # (s):		Total # of Samples:	
Relinquished (Client): Rodney Stanfield		Date: 08/27/21	
Received (Lab): EM(wi)		Date: 8/27/21	
Comments/Special Instructions:		Time: 1750	
		Time: 6:00PM	

**Converse Consultants**

☐ Monrovia Office  
717 S. Myrtle Avenue  
Monrovia, CA 91016  
(626) 930-1200

☒ Costa Mesa Office  
3176 Pullman St., Suite 108  
Costa Mesa, CA 92626  
(714) 444-9660

☐ Rancho Office  
8333 Foothill Blvd. Suite 104  
Rancho Cucamonga, CA 91730  
(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 27, 2021

HOMOGENEOUS MATERIAL:

Wall Plaster

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
25	Room 106, NW	83,700	NF, Good (Intact)
26	2nd Floor SE Custodial		
27	3rd Floor Men's Restroom, W		
28	Room 105, East Wall, North		
29	Room 205, South Wall, west		
30	Room 309, Flammable Storage		
31	Room 325, west		

Additional Comments:

Painted. Dry wall (no JC) backing  
in many places



#332120204

**Converse Consultants**

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Costa Mesa, CA 92626  
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☐ Rancho Office  
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Rancho Cucamonga, CA 91730  
(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 27, 2021HOMOGENEOUS MATERIAL: 2x2'

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
32	2nd Floor Corridor near SE Custodial	3600	NF, Misc, Good
33	1st Floor Common Area, SW	↓	↓
34	↓, NW	↓	↓

Additional Comments:

Decorative Blue squares sporadically,  
also. on concrete.

Counted in project areas only  
(none on 3rd floor).

**Converse Consultants**

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Costa Mesa, CA 92626  
(714) 444-9660

☐ Rancho Office  
8333 Foothill Blvd. Suite 104  
Rancho Cucamonga, CA 91730  
(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 27, 2021HOMOGENEOUS MATERIAL: 12x12" Beige Speckled Vinyl Floor Tiles & Mastic

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
35	Room 309, North	24,000	NF, Misc, Good
36	Room 106, North	↓	↓
37	Room 308, East	↓	↓

Additional Comments: On Concrete

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**Converse Consultants**

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(626) 930-1200

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(714) 444-9660

☐ Rancho Office  
8333 Foothill Blvd. Suite 104  
Rancho Cucamonga, CA 91730  
(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 27, 2021HOMOGENEOUS MATERIAL: 12" Light Grey Speckled Vinyl Floor Tiles + Mastic

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
38	Room 123, SW	16,000	NF, Misc, Good
39	Room 308, East	↓	↓
40	Room 112, North	↓	↓

Additional Comments: on concreteRodney Stamford 08/27/21





# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332120403

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

**Attention:** Laura Tanaka  
Converse Consultants  
717 S Myrtle Avenue  
Monrovia, CA 91016

**Phone:** (626) 930-1260

**Fax:** (626) 930-1212

**Received Date:** 08/31/2021 8:00 AM

**Analysis Date:** 09/07/2021

**Collected Date:** 08/30/2021

**Project:** 21-42-121-02

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
41 332120403-0001	2nd floor, common area, SW - 4" TSI elbows	Gray/White Fibrous Homogeneous	15% Min. Wool	85% Non-fibrous (Other)	None Detected
42 332120403-0002	2nd floor, common area, SW - 4" TSI elbows	Gray/White Fibrous Homogeneous	15% Min. Wool	85% Non-fibrous (Other)	None Detected
43 332120403-0003	2nd floor, common area, SW - 4" TSI elbows	Gray/White Fibrous Homogeneous	18% Min. Wool	82% Non-fibrous (Other)	None Detected
44 332120403-0004	2nd floor, common area, SW - 6" TSI elbows	Gray/White Fibrous Homogeneous	18% Min. Wool	82% Non-fibrous (Other)	None Detected
45 332120403-0005	2nd floor, common area, SW - 6" TSI elbows	Gray Fibrous Homogeneous	15% Min. Wool	85% Non-fibrous (Other)	None Detected
46 332120403-0006	2nd floor, common area, SW - 6" TSI elbows	Gray Fibrous Homogeneous	15% Min. Wool	85% Non-fibrous (Other)	None Detected
47 332120403-0007	Room 106, NW - Spray-applied plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48 332120403-0008	2nd flr men's restroom, NE - Spray-applied plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
49 332120403-0009	Room 309, South, over soffit - Spray-applied plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
50 332120403-0010	2nd floor common area, SW - Spray-applied plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
51 332120403-0011	Elevator equipment room - Spray-applied plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
52 332120403-0012	Room 127, SE - Spray-applied plaster	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
53 332120403-0013	Room 335, North - Spray-applied plaster	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
54-Joint Compound 332120403-0014	Room 209, SW - Drywall + joint compound walls	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
54-Tape 332120403-0014A	Room 209, SW - Drywall + joint compound walls	White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
54-Drywall 332120403-0014B	Room 209, SW - Drywall + joint compound walls	Brown/White Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected

Initial report from: 09/07/2021 19:44:50



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332120403

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
55-Joint Compound 332120403-0015	Room 123, entry - Drywall + joint compound walls	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
55-Tape 332120403-0015A	Room 123, entry - Drywall + joint compound walls	White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
55-Drywall 332120403-0015B	Room 123, entry - Drywall + joint compound walls	Brown/White Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
56-Joint Compound 332120403-0016 <i>Drywall not present</i>	Room 127, NE hall - Drywall + joint compound walls	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
56-Skim Coat 332120403-0016A	Room 127, NE hall - Drywall + joint compound walls	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
56-Plaster 332120403-0016B	Room 127, NE hall - Drywall + joint compound walls	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
57 332120403-0017	Room 307, West - Hard counter tops	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
58 332120403-0018	Room 309, North - Hard counter tops	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
59 332120403-0019	Room 334, SW - Hard counter tops	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
60 332120403-0020	Room 113, North wall, W - Drywall behind plaster walls	Brown/White Fibrous Heterogeneous	12% Cellulose 2% Glass	86% Non-fibrous (Other)	None Detected
61 332120403-0021	2nd floor SE custodial - Drywall behind plaster walls	Brown/White Fibrous Heterogeneous	12% Cellulose 2% Glass	86% Non-fibrous (Other)	None Detected
62 332120403-0022	3rd floor SE mechanical - Drywall behind plaster walls	Brown/White Fibrous Heterogeneous	10% Cellulose <1% Glass	90% Non-fibrous (Other)	None Detected
63-Vinyl Floor Tile 332120403-0023	Room 308, center - 12 x 12" light beige w/ brown speckles vinyl floor tiles + mastic	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
63-Mastic 332120403-0023A	Room 308, center - 12 x 12" light beige w/ brown speckles vinyl floor tiles + mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
64-Vinyl Floor Tile 332120403-0024	Room 308, center - 12 x 12" light beige w/ brown speckles vinyl floor tiles + mastic	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
64-Mastic 332120403-0024A	Room 308, center - 12 x 12" light beige w/ brown speckles vinyl floor tiles + mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
65-Vinyl Floor Tile 332120403-0025	Room 308, center - 12 x 12" light beige w/ brown speckles vinyl floor tiles + mastic	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 09/07/2021 19:44:50



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

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<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332120403

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
65-Mastic 332120403-0025A	Room 308, center - 12 x 12" light beige w/ brown speckles vinyl floor tiles + mastic <i>This is a composite result of inseparable mastic layers</i>	Black/Yellow Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
66-Vinyl Floor Tile 332120403-0026	Room 114, NW - 12" pink speckled vinyl floor tiles + mastic	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
66-Mastic 332120403-0026A	Room 114, NW - 12" pink speckled vinyl floor tiles + mastic	Brown/Black Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
67-Vinyl Floor Tile 332120403-0027	Room 114, North - 12" pink speckled vinyl floor tiles + mastic	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
67-Mastic 332120403-0027A	Room 114, North - 12" pink speckled vinyl floor tiles + mastic	Brown/Black Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
68-Vinyl Floor Tile 332120403-0028	Room 114A, NE - 12" pink speckled vinyl floor tiles + mastic	Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
68-Mastic 1 332120403-0028A	Room 114A, NE - 12" pink speckled vinyl floor tiles + mastic	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
68-Mastic 2 332120403-0028B	Room 114A, NE - 12" pink speckled vinyl floor tiles + mastic <i>Result includes a small amount of inseparable attached yellow mastic material</i>	Black/Yellow Non-Fibrous Heterogeneous		98% Non-fibrous (Other)	2% Chrysotile
69-Tape 332120403-0029	Room 307, East, over ceiling - HVAC cloth tape	White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
69-Glue 332120403-0029A	Room 307, East, over ceiling - HVAC cloth tape	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
70-Tape 332120403-0030	2nd floor NW mech room - HVAC cloth tape	White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
70-Glue 332120403-0030A	2nd floor NW mech room - HVAC cloth tape <i>Inseparable silver paint layer included in analysis.</i>	White/Silver Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
71-Tape 332120403-0031	1st floor East mech - HVAC cloth tape	Silver/Beige Fibrous Heterogeneous	60% Synthetic	40% Non-fibrous (Other)	None Detected
71-Glue 332120403-0031A	1st floor East mech - HVAC cloth tape	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
72 332120403-0032	Room 335, NW - Sink undercoat	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
73 332120403-0033	Room 311, SW - Sink undercoat	Black Fibrous Homogeneous		94% Non-fibrous (Other)	6% Chrysotile
74 332120403-0034	Room 317, SW - Sink undercoat	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

Initial report from: 09/07/2021 19:44:50





# LA Testing

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Tel/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332120403

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
75	Room 307, East - Transite cabinet	Gray Fibrous		82% Non-fibrous (Other)	18% Chrysotile
332120403-0035	interiors	Homogeneous			

Analyst(s)

Jeffrey wang (32)

Sotheary Son (19)

Michael Chapman, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0, CA ELAP 1406

Initial report from: 09/07/2021 19:44:50



# Asbestos Chain of Custody

LA Testing Order Number (Lab Use Only):  
**#332120403**

LA TESTING  
520 MISSION STREET  
S. PASADENA, CA 91030  
PHONE: (323) 254-9960  
FAX: (323) 254-9982

Company : Converse Consultants		LA Testing-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 717 S Myrtle Avenue		Third Party Billing requires written authorization from third party	
City: Monrovia	State/Province: CA	Zip/Postal Code: 91061	Country: USA
Report To (Name): Laura Tanaka		Fax #:	
Telephone #: 626-807-3422		Email Address: LTanaka@converseconsultants.com	
Project Name/Number: 21-42-121-02			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email Purchase Order: 21-42-121-02 U.S. State Samples Taken: CA			
Turnaround Time (TAT) Options* – Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>*For TEM Air 3 hours through 6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.</small>			
<b>PCM - Air</b> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
		<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) <b>Other:</b> <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop – Clearly Identify Homogenous Group			
Samplers Name: <u>Rodney Stansfield</u>		Samplers Signature: <u>Rod Stansfield</u>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	SEE ATTACHED	See Attached	08/27-08/30
Client Sample # (s):		Total # of Samples:	
Relinquished (Client): <u>Rod Stansfield</u>		Date: <u>08/30/21</u> Time: <u>2010</u>	
Received (Lab): <u>JS(OBI)</u>		Date: <u>8/30/21</u> <u>8/31/21</u> Time: <u>8a</u>	
Comments/Special Instructions: <u>JS</u>			

#332120403



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717 S. Myrtle Avenue  
Monrovia, CA 91016  
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(714) 444-9660

☐ Rancho Office  
8333 Foothill Blvd. Suite 104  
Rancho Cucam, CA 91730  
(909) 796-0544

## BULK SAMPLE LOG

Project Name: Cypress College – SEM

Collected By: RDS / LAT

Project No.: 21-42-121-02

Date: August 30, 2021

HOMOGENEOUS MATERIAL:

4" TSI Elbows

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
41	2nd Floor, Common Area, SW	8 Elbows	Friable
42	↓	↓	↓
43	↓	↓	↓

Additional Comments:

Runs are fiberglass insulated



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(909) 796-0544

## BULK SAMPLE LOG

Project Name: Cypress College – SEM

Collected By: RDS / LAT

Project No.: 21-42-121-02

Date: August 30, 2021

HOMOGENEOUS MATERIAL:

6" TSI Elbows

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
44	2nd Floor Common Area SW	8 elbows	Friable
45	↓	↓	↓
46	↓	↓	↓

Additional Comments:

Runs are fiberglass insulated.  
~~SE~~ Elbow at sample location # 46  
was wet, and ~~so~~ covered with  
black mold. No suspect debris.

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Monrovia, CA 91016  
(626) 930-1200

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Costa Mesa, CA 92626  
(714) 444-9660

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8333 Foothill Blvd. Suite 104  
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**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 30, 2021HOMOGENEOUS MATERIAL: Spray-Applied Plaster

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
<del>46</del> 47	Room 106, NW	16,140	Non-Friable
48	2nd Flr Men's Restroom, NE		
49	Room 309, South, over Soffit		
50	2nd Floor Common Area SW		
51	Elevator Equipment Room		
52	Room 127, SE		
53	Room 335, North	↓	↓

Additional Comments: At deck level along the top edge of walls, above suspended ceilings.

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**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 30, 2021HOMOGENEOUS MATERIAL: Drywall + Joint Compound Walls

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
54	Room 209, SW	2,400	Non-Friable, Misc
55	Room 123, Entry	↓	↓
56	Room 127, NE Hall	↓	↓

Additional Comments: In Rooms ~~124~~, 123, 127, 209. Painted



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**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 30, 2021

HOMOGENEOUS MATERIAL:

Hard Counter Tops

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
57	Room 307, West	2,840	Non-Friable
58	Room 309, North	↓	↓
59	Room 334, SW	↓	↓

Additional Comments: \*on wooden work desks and  
work benches, 3rd Floor labs. 71 total.

Note: Hard-top mobile desks are  
observed to be the same  
material. Also in 3rd Floor  
lab classrooms.

Hard Black frame woods were not  
sampled, but observed to be similar  
material.

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**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 30, 2021

HOMOGENEOUS MATERIAL:

Drywall Behind Plaster walls

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
60	Room 113, North wall, W	83,700	Non-Friable, Misc
61	2nd Floor SE Custodial	↓	↓
62	3rd Floor SE Mechanical	↓	↓

Additional Comments:

No joint compound observed



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**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 30, 2021HOMOGENEOUS MATERIAL: 12x12" Light Beige w/Brown Speckles Vinyl Floor Tiles & Mastic

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
63	Room 308, Center	16	Non-Friable
64	↓	↓	↓
65	↓	↓	↓

Additional Comments:

on concrete

#332120403



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(909) 796-0544

## BULK SAMPLE LOG

Project Name: Cypress College – SEM

Collected By: RDS / LAT

Project No.: 21-42-121-02

Date: August 30, 2021

HOMOGENEOUS MATERIAL: 12" Pink Speckled Vinyl Floor Tiles + Mastic

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
66	Room 114, NW	80	Non-Friable
67	↓, North	↓	↓
68	Room 114A, NE	↓	↓

Additional Comments:

on concrete

#332120403

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(626) 930-1200

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(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 30, 2021

HOMOGENEOUS MATERIAL:

HVAC Cloth Tape

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
69	Room 307, East, over ceiling	3,700	Non - Friable, Misc
70	2nd Floor NW Mech Room	↓	↓
71	1st Floor East Mech	↓	↓

Additional Comments:

on metal HVAC ducts. Painted silver in many locations



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(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 30, 2021HOMOGENEOUS MATERIAL: Sink Undercoat

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
72	Room 335, NW	95	Non-Friable, Misc
73	Room 311, SW	↓	↓
74	Room 317, SW	↓	↓

Additional Comments: underside of metal sinks, 3rd  
floor lab's. 19 total

#332120403



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(909) 796-0544

## BULK SAMPLE LOG

Project Name: Cypress College – SEM

Collected By: RDS / LAT

Project No.: 21-42-121-02

Date: August 30, 2021

HOMOGENEOUS MATERIAL:

Transite Cabinet Interiors

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
75	Room 307, East	1,035	Non-Friable, Misc

Additional Comments:

Inside wood cabinets beneath fume hoods. 23 cabinets total. Confirmation sample.

Rod Stansfield

08/30/21



# LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332120991

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

**Attention:** Laura Tanaka  
Converse Consultants  
717 S Myrtle Avenue  
Monrovia, CA 91016

**Phone:** (626) 930-1260

**Fax:** (626) 930-1212

**Received Date:** 09/10/2021 1:40 PM

**Analysis Date:** 09/17/2021

**Collected Date:** 09/10/2021

**Project:** 21-42-121-02

## Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
76-Joint Compound 332120991-0001	Room 127E, SE - Tenant improvement drywall + joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
76-Tape 332120991-0001A	Room 127E, SE - Tenant improvement drywall + joint compound	White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
76-Drywall 332120991-0001B	Room 127E, SE - Tenant improvement drywall + joint compound	Brown/White Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
77-Joint Compound 332120991-0002	Room 127G, SW - Tenant improvement drywall + joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
77-Tape 332120991-0002A	Room 127G, SW - Tenant improvement drywall + joint compound	White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
77-Drywall 332120991-0002B	Room 127G, SW - Tenant improvement drywall + joint compound	Brown/White Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
78-Joint Compound 332120991-0003	Room 209, west wall, north - Drywall + joint compound walls	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
78-Tape 332120991-0003A	Room 209, west wall, north - Drywall + joint compound walls	White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
78-Drywall 332120991-0003B	Room 209, west wall, north - Drywall + joint compound walls	Brown/White Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
79 332120991-0004	1st floor, SE custodial - Drywall behind plaster walls	Brown/White Fibrous Heterogeneous	12% Cellulose 3% Glass	85% Non-fibrous (Other)	None Detected
80 332120991-0005	1st floor, SE mechanical - Drywall behind plaster walls	Brown/White Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
81 332120991-0006	Room 309, NW - Drywall behind plaster walls	Brown/White/Beige Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected
82 332120991-0007	Room 324, NW - Drywall behind plaster walls	Brown/White Fibrous Heterogeneous	10% Cellulose 2% Glass	88% Non-fibrous (Other)	None Detected

Initial report from: 09/17/2021 18:14:13



## LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@latesting.com](mailto:gardengrovelab@latesting.com)

LA Testing Order: 332120991

Customer ID: 32CONV56

Customer PO: 21-42-121-02

Project ID:

Analyst(s)

Sotheary Son (13)

Michael Chapman, Laboratory Manager  
or Other Approved Signatory

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Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0, CA ELAP 1406

Initial report from: 09/17/2021 18:14:13





# Asbestos Chain of Custody

## LA Testing Order Number (Lab Use Only):

#332120991

LA TESTING  
520 MISSION STREET  
S. PASADENA, CA 91030  
PHONE: (323) 254-9960  
FAX: (323) 254-9982

Company : Converse Consultants		LA Testing-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 717 S Myrtle Avenue		Third Party Billing requires written authorization from third party	
City: Monrovia	State/Province: CA	Zip/Postal Code: 91061	Country: USA
Report To (Name): Laura Tanaka		Fax #:	
Telephone #: 626-807-3422		Email Address: LTanaka@converseconsultants.com	
Project Name/Number: 21-42-121-02			
Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email Purchase Order: 21-42-121-02 U.S. State Samples Taken: CA			
<b>Turnaround Time (TAT) Options* - Please Check</b>			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hours through 6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with LA Testing's Terms and Conditions located in the Analytical Price Guide.			
<b>PCM - Air</b> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA <b>PLM - Bulk (reporting limit)</b> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 <b>TEM - Bulk</b> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 <b>TEM - Water:</b> EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
		<b>TEM- Dust</b> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) <b>Soil/Rock/Vermiculite</b> <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) <b>Other:</b> <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group			
Samplers Name: Rodney Stansfield		Samplers Signature: <i>Rodney Stansfield</i>	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	SEE ATTACHED	See Attached	09/10/21
Client Sample # (s):		Total # of Samples:	
Relinquished (Client): <i>Rodney Stansfield</i>		Date: 09/10/21 Time: 1330	
Received (Lab): JS (LW)		Date: 9/10/21 Time: 1:40p	
Comments/Special Instructions:		please cc results: rods064@hotmail.com	

Page 1 of 4 pages



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☐ Monrovia Office  
717 S. Myrtle Avenue  
Monrovia, CA 91016  
(626) 930-1200

☒ Costa Mesa Office  
3176 Pullman St., Suite 108  
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Rancho Cucamonga, CA 91730  
(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 09/10, 2021HOMOGENEOUS MATERIAL: Tenant Improvement Drywall + Joint Compound

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
76	Room 127E, SE	1600	NF, Misc
77	Room 127G, SW	↓	↓

Additional Comments: see also sample #56 (08/30/21, page 5)

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☐ Monrovia Office  
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Rancho Cucam, CA 91730  
(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 09/10, 2021HOMOGENEOUS MATERIAL: Drywall + Joint compound walls

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
78	Room 209, West wall, North	800	NF, Misc

Additional Comments: see also samples #54 and 55 (08/30/21, page 5)

#332120991

**Converse Consultants**

☐ Monrovia Office  
717 S. Myrtle Avenue  
Monrovia, CA 91016  
(626) 930-1200

☒ Costa Mesa Office  
3176 Pullman St., Suite 108  
Costa Mesa, CA 92626  
(714) 444-9660

☐ Rancho Office  
8333 Foothill Blvd. Suite 104  
Rancho Cucamonga, CA 91730  
(909) 796-0544

**BULK SAMPLE LOG**Project Name: Cypress College – SEMCollected By: RDS / LATProject No.: 21-42-121-02Date: August 09/10, 2021

HOMOGENEOUS MATERIAL:

Drywall Behind Plaster walls

Sample Number	Location/Description	Approx. Area/Sq. Ft.	Friable / Non-Friable / Comments
79	1 <sup>st</sup> Floor, SE Custodial	(83,700)	NF, Misc
80	↓, SE Mechanical	↓	↓
81	Room 309, NW	↓	↓
82	Room 324, NW	↓	↓

Additional Comments:

See also samples 60-62 (08/30/21,  
page 7)  
No joint compound observed

Red Stampfield 09/10/21

Page 4 of 4



## LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Phone/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332120204  
Customer ID: 32CONV56  
Customer PO: 21-42-121-02  
Project ID:

Attention: Laura Tanaka  
Converse Consultants  
717 S Myrtle Avenue  
Monrovia, CA 91016

Phone: (626) 930-1260  
Fax: (626) 930-1212  
Received: 08/27/2021 6:00 PM  
Analysis Date: 09/08/2021  
Collected: 08/27/2021

Project: 21-42-121-02

### Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using the 1,000 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
31-Skim Coat 332120204-0007	Room 325, west - Wall plaster	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1% Chrysotile
31-Plaster 332120204-0007A	Room 325, west - Wall plaster	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1% Chrysotile

Analyst(s)

Brian Magumcia (2)

Michael Chapman, Laboratory Manager  
or other approved signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0, CA ELAP 1406

Initial report from: 09/08/2021 11:28:13





## LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Phone/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / [gardengrovelab@lateesting.com](mailto:gardengrovelab@lateesting.com)

LA Testing Order: 332120403  
Customer ID: 32CONV56  
Customer PO: 21-42-121-02  
Project ID:

Attention: Laura Tanaka  
Converse Consultants  
717 S Myrtle Avenue  
Monrovia, CA 91016

Phone: (626) 930-1260  
Fax: (626) 930-1212  
Received: 08/31/2021 8:00 AM  
Analysis Date: 09/10/2021  
Collected: 08/30/2021

Project: 21-42-121-02

### Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using the 1,000 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
56-Plaster 332120403-0016B	Room 127, NE hall - Drywall + joint compound walls	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	<0.1% Chrysotile

Analyst(s)

Brittany Quiring (1)

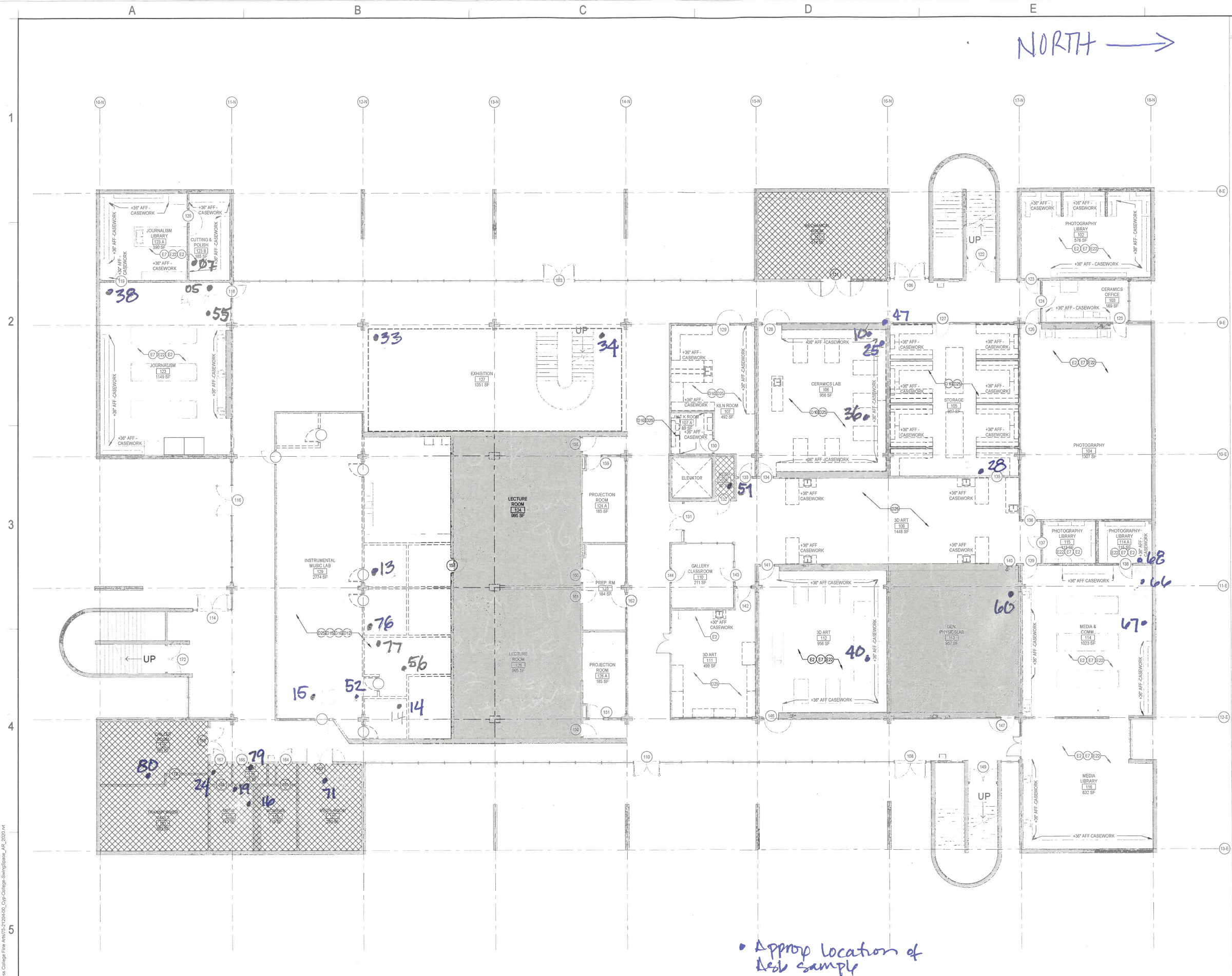
Michael Chapman, Laboratory Manager  
or other approved signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0, CA ELAP 1406

Initial report from: 09/10/2021 11:57:52

BM 300715-212040 Cypress College Fine Arts 05-2120400\_Cyp-Collge-SwingSpace\_AR\_2020.rvt  
05/11/2021 3:35:25 PM



**DEMOLITION GENERAL NOTES**

DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.

THE CONTRACTOR SHALL:

- CEILING AND ACCESSORIES ARE EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
- COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE OWNER'S REPRESENTATIVE. IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.
- COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
- CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEEMED NECESSARY BY THE OWNER AND CODE OFFICIAL HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE OWNER AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
- MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
- VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILING, SOFFITS, MARKERS/BOARDS, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
- THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
- PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED WORK NOT PERFORMED UNDER THIS CONTRACT.
- REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
- EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
- VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
- PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR RE-ROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
- CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
- SEE MECHANICAL PLUMBING AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
- AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
- WHERE CMU WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY REMOVING CMU IN TOOTH-IN PATTERN BOTH SIDES OF DEMOLITION FOR CONTRACTOR TO TOOTH-IN NEW CMU PATCHES.
- WHERE PLASTER/STUCCO WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH/FINISH BY SAWCUTTING ADJACENT PLASTER FINISH A MINIMUM OF 1" BEYOND DEMOLITION.
- ALL DEMOLISHED MATERIALS TO BE DISPOSED OF OFF SITE IN A LEGAL MANNER PER ALL FEDERAL, STATE, COUNTY AND LOCAL ORDINANCES, REGULATIONS AND DIRECTIVES.
- THE INTENT OF THE DEMOLITION DRAWINGS IS NOT TO SHOW EVERY ITEM, APPURTENANCES, SYSTEMS OR PIECES OF EQUIPMENT TO BE REMOVED. IT SHALL BE IMPLIED THAT DEMOLITION SHALL BE INCLUSIVE WHERE INDICATED AND THAT ITEMS, APPURTENANCES, SYSTEMS, SURFACES OR PIECES OF EQUIPMENT TO REMAIN SHALL BE PREPARED AND MADE READY TO RECEIVE ALTERATIONS AND NEW WORK AS REQUIRED.
- EXERCISE EXTREME CARE TO PROTECT HISTORIC BUILDING FABRIC, SPACES AND ELEMENTS. COORDINATE PROTECTIVE MEASURES WITH ARCHITECT BEFORE PROCEEDING WITH WORK INSIDE AND ADJACENT TO HISTORIC AREAS AND ELEMENTS.

**REFERENCE KEYNOTES**

Key Value	Keynote Text
D10	DEMO (E) FLOOR FINISH
D12	DEMO (E) WALL
D16	DEMO (E) DOOR & FRAME
D25	DEMO (E) FURNISHINGS AND EQUIPMENT AS INDICATED, REFER TO DEMOLITION LEGEND.
E2	PROTECT IN PLACE (E) CASEWORK TO REMAIN, UNDO
E7	(E) DOOR AND FRAME TO REMAIN
E22	(E) WALL FINISHES TO REMAIN, PROTECT IN PLACE

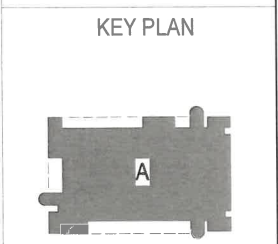
**DEMOLITION LEGEND**

NOTE: REFER TO PLANS TO SEE EXTENTS OF DEMOLITION

	EXISTING WALL TO BE DEMOLISHED
	EXISTING WALL TO REMAIN
	EXISTING DOOR AND FRAME ASSEMBLY TO BE DEMOLISHED
	EXISTING DOOR AND DOOR FRAME ASSEMBLY TO REMAIN
	EXISTING TO REMAIN
	EXISTING TO BE DEMOLISHED
	NOT USED
	EXISTING TO REMAIN AS-IS

**WALL SEPARATION LEGEND**

	WALL HOURLY RATING 1 - 4 HOUR
	WALL HOURLY RATING 1 - 4 HOUR



**DLR Group**

Cypress College Swing Space

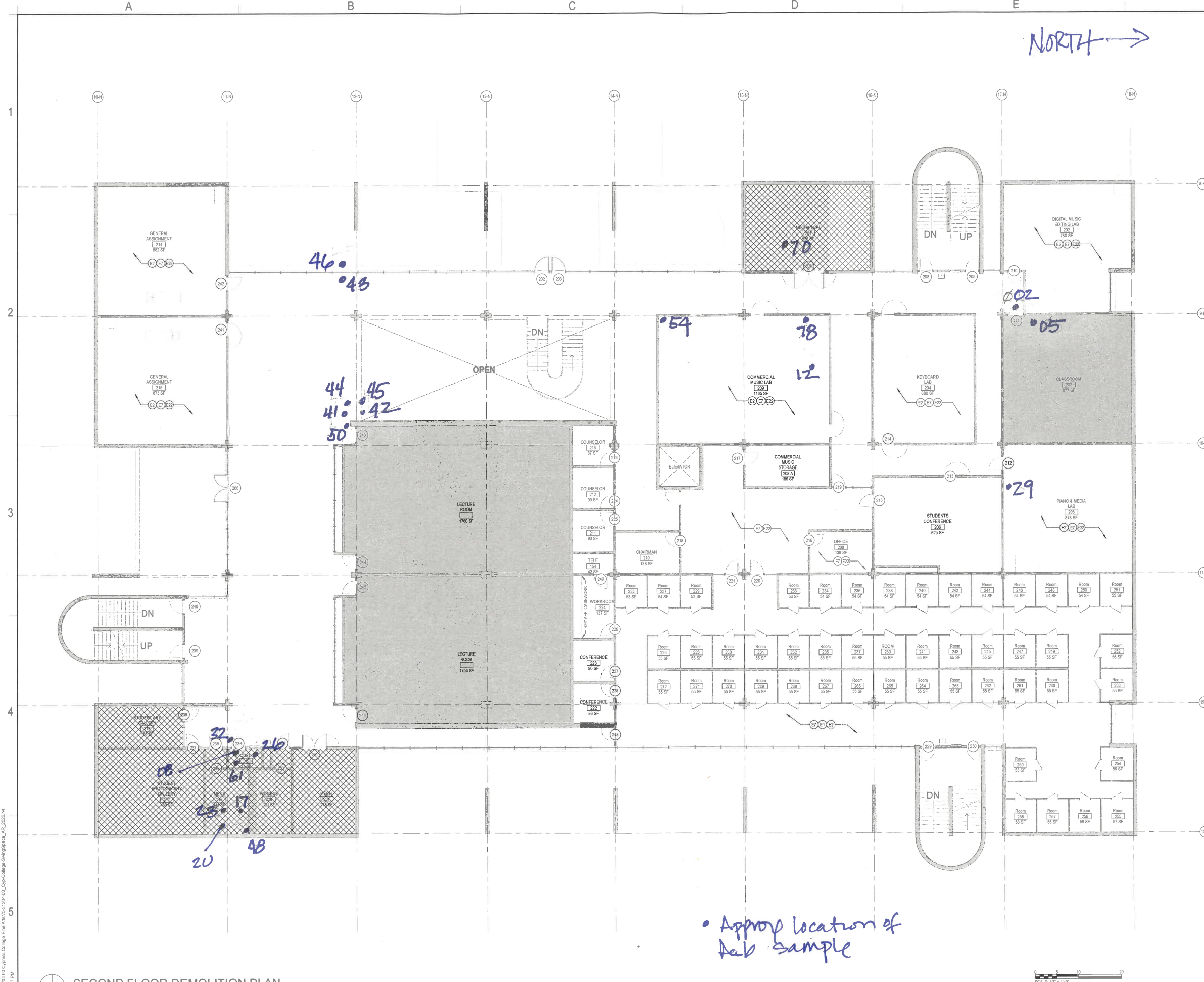
SCHEMATIC DESIGN  
05/11/2021  
REVISIONS

75-21204-00  
FIRST FLOOR  
DEMOLITION  
PLAN

AD1.1



BN 1001715-2104-00 Cypress College Fire Atlas/75-2104-00\_Cyp-College-SwingSpace\_AR\_2020.dwg  
W 1/2/2021 8:35:27 PM



# DEMOLITION GENERAL NOTES

- DEMOLITION NOTES APPLY TO ALL DEMOLITION SHEETS.
- THE CONTRACTOR SHALL:
- A. CEILINGS AND ACCESSORIES ARE EXISTING TO REMAIN UNLESS NOTE OTHERWISE.
  - B. COORDINATE ALL DEMOLITION AND PHASING EFFORTS WITH THE ARCHITECT AND OWNER'S REPRESENTATIVE. EVERY EFFORT SHALL BE MADE TO MINIMIZE DISRUPTION OF OWNER'S OPERATIONS. EXCESSIVE NOISE OR VIBRATION SHALL BE PRE-APPROVED AND COORDINATED WITH THE OWNER'S REPRESENTATIVE. IN ALL CASES, PROVISIONS SHALL BE MADE FOR USER'S SAFETY.
  - C. COORDINATE ANY DISRUPTION OF UTILITY SERVICES WITH THE OWNER AND AS SPECIFIED.
  - D. CONSTRUCT TEMPORARY CONSTRUCTION PARTITIONS WITHIN THE EXISTING BUILDING WHICH OFFER A ONE-HOUR ENCLOSURE TO ISOLATE ANY DEMOLITION/CONSTRUCTION WORK FROM THE GENERAL PUBLIC AND AS DEMAND NECESSARY BY THE OWNER AND CODE OFFICIAL HAVING JURISDICTION. COORDINATE LOCATIONS WITH THE OWNER AND MAINTAIN MEANS OF EGRESS THROUGHOUT THE WORK.
  - E. MAINTAIN A SECURE, WEATHER-TIGHT ENCLOSURE AT ALL TIMES.
  - F. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
  - G. REMOVE IN THEIR ENTIRETY ALL EXISTING WALLS, DOORS, MILLWORK, PLUMBING FIXTURES, CEILING, SOFFITS, MARKERS/SCANS, AND OTHER ITEMS, AS REQUIRED TO EXECUTE THE DEMOLITION/CONSTRUCTION WORK DESCRIBED BY THE DRAWINGS.
  - H. THE OWNER SHALL RESERVE THE RIGHT TO SALVAGE ANY MATERIALS.
  - I. PROVIDE PROTECTION FOR ALL EXISTING BUILDING MATERIALS AND EQUIPMENT FROM DAMAGE DUE TO ANY DEMOLITION OR CONSTRUCTION-RELATED INCIDENT PERFORMED UNDER THIS CONTRACT.
  - J. REPAIR OR REPLACE ITEMS THAT ARE DAMAGED AS A RESULT OF DEMOLITION OR CONSTRUCTION TO MATCH EXISTING FINISH AND/OR CONDITION.
  - K. EXISTING MATERIALS SHALL NOT BE REUSED UNLESS NOTED OTHERWISE OR AS AUTHORIZED BY ARCHITECT.
  - L. VERIFY AND MAINTAIN THE LOCATION OF EXISTING POWER, COMMUNICATION AND DATA CABLES TO PREVENT INTERRUPTION OF THEIR SERVICE.
  - M. PATCH FLOOR, WALL AND CEILING PENETRATIONS RESULTING FROM REMOVAL OR RE-ROUTING OF NEW OR EXISTING PIPING, DUCTWORK, CONDUIT, AND OTHER ITEMS, AS REQUIRED TO MAINTAIN FIRE-RESISTANCE-RATED SEPARATIONS. FINISH AS REQUIRED FOR NEW OR EXISTING ADJACENT SURFACES.
  - N. CAP ALL DISCONNECTED MECHANICAL PIPING LINES WITHIN THE WALL OR FLOOR. PATCH AND FINISH AS REQUIRED TO MATCH NEW OR EXISTING ADJACENT SURFACES.
  - O. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS AND NOTES FOR FURTHER SEQUENCING AND SCOPE OF WORK.
  - P. AVOID ANY DISTURBANCE OF SOILS WITHIN THE ZONE OF INFLUENCE AROUND EXISTING FOOTINGS AND FLOOR SLABS AS DIRECTED BY GEOTECHNICAL ENGINEER.
  - Q. WHERE CMU WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH FINISH BY REMOVING CMU IN TOOTH-IN PATTERN BOTH SIDES OF DEMOLITION FOR CONTRACTOR TO TOOTH-IN NEW CMU PATCHES.
  - R. WHERE PLASTER/STUO WALLS ARE INDICATED TO BE REMOVED, PREPARE ADJACENT WALLS TO RECEIVE NEW PATCH FINISH BY SAWCUTTING ADJACENT PLASTER FINISH A MINIMUM OF 1" BEYOND DEMOLITION.
  - S. ALL DEMOLISHED MATERIALS TO BE DISPOSED OF OFF SITE IN A LEGAL MANNER PER ALL FEDERAL, STATE, COUNTY AND LOCAL ORDINANCES, REGULATIONS AND DIRECTIVES.
  - T. THE INTENT OF THE DEMOLITION DRAWINGS IS NOT TO SHOW EVERY ITEM, APPURTENANCES, SYSTEMS OR PIECES OF EQUIPMENT TO BE REMOVED. IT SHALL BE IMPLIED THAT DEMOLITION SHALL BE INCLUSIVE WHERE INDICATED AND THAT ITEMS, APPURTENANCES, SYSTEMS, SURFACES OR PIECES OF EQUIPMENT TO REMAIN SHALL BE PREPARED AND MADE READY TO RECEIVE ALTERATIONS AND NEW WORK AS REQUIRED.
  - U. EXERCISE EXTREME CARE TO PROTECT HISTORIC BUILDING FABRIC, SPACES AND ELEMENTS. COORDINATE PROTECTIVE MEASURES WITH ARCHITECT BEFORE PROCEEDING WITH WORK INSIDE AND ADJACENT TO HISTORIC AREAS AND ELEMENTS.

## REFERENCE KEYNOTES

Key Value	Keynote Text
E1	MAINTAIN (E) COLUMNS
E2	PROTECT IN PLACE (E) CASEWORK TO REMAIN, U.N.O.
E7	(E) DOOR AND FRAME TO REMAIN
E22	(E) WALL FINISHES TO REMAIN, PROTECT IN PLACE

NOTE:  
REFER TO PLANS TO SEE EXTENTS OF DEMOLITION

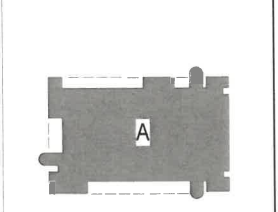
## DEMOLITION LEGEND

- EXISTING WALL TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- EXISTING DOOR AND FRAME ASSEMBLY TO BE DEMOLISHED
- EXISTING DOOR AND DOOR FRAME ASSEMBLY TO REMAIN
- EXISTING TO REMAIN
- EXISTING TO BE DEMOLISHED
- NOT USED
- EXISTING TO REMAIN AS-IS

## WALL SEPARATION LEGEND

WALL HOURLY RATING  
1 = (E) 1 HOUR

## KEY PLAN



DLR Group  
© DLR Group

Cypress College Swing Space

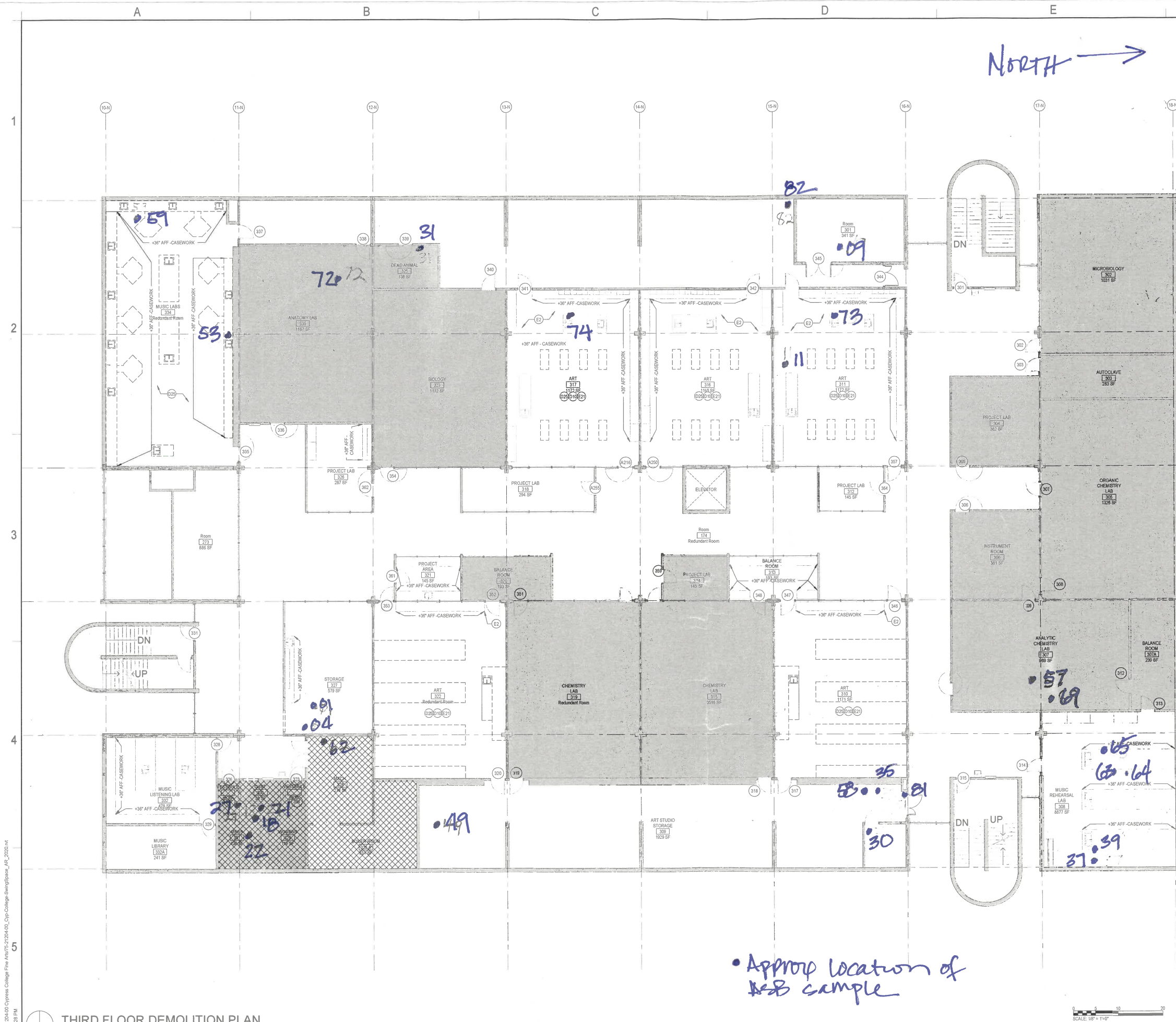
500 Valley View St. Cypress, CA 95030

SCHEMATIC DESIGN  
06/11/2021  
REVISIONS

75-2104-00  
SECOND FLOOR DEMOLITION PLAN

AD1.2







# Appendix C



Date of Inspection: 8/26/21

Inspector: G. Paler

CDPH #: LRC-258

XRF Summary Table  
Cypress College SEM Building

Analyzer: Viken Pb200i

Units: mg/cm<sup>2</sup>Action Lvl: 1.0 mg/cm<sup>2</sup>

Reading No.	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Conc.
1	Calibration Check								0.9
2	Calibration Check								1.1
3	Calibration Check								1
4	Wall	Drywall	North	Intact	Beige	1st Floor	Room 112	Negative	-0.3
5	Wall	Drywall	East	Intact	Beige	1st Floor	Room 112	Negative	-0.4
6	Cabinets	Wood	East	Intact	Varnish	1st Floor	Room 112	Negative	-0.1
7	Cabinets	Wood	West	Intact	Varnish	1st Floor	Room 112	Negative	-0.1
8	Wall	Drywall	West	Intact	Beige	1st Floor	Room 112	Negative	-0.3
9	Raceway	Metal	West	Intact	Beige	1st Floor	Room 112	Negative	0.2
10	Door	Wood	East	Intact	Gray	1st Floor	Room 112	Negative	0.2
11	Door Frame	Metal	East	Intact	Gray	1st Floor	Room 112	Negative	0.2
12	Sink	Cement	South	Intact	Black	1st Floor	Room 112	Negative	-0.1
13	Wall	Plaster	East	Intact	Beige	1st Floor	Room 110	Negative	-0.1
14	Door	Wood	East	Intact	Gray	1st Floor	Room 110	Negative	0.1
15	Door Frame	Metal	East	Intact	Gray	1st Floor	Room 110	Negative	0.2
16	Door Header	Wood	East	Intact	Gray	1st Floor	Room 110	Negative	0.1
17	Wall	Plaster	East	Intact	Gray	1st Floor	Room 110	Negative	-0.4
18	Window Casing	Metal	South	Intact	Brown	1st Floor	Room 110	Negative	0.2
19	Door	Wood	West	Intact	Blue	1st Floor	Room 110	Negative	-0.1
20	Door Frame	Metal	West	Intact	Brown	1st Floor	Room 110	Negative	0.1
21	Wall	Plaster	South	Intact	Beige	1st Floor	Room 111	Negative	-0.3
22	Door	Wood	South	Intact	Gray	1st Floor	Room 111	Negative	0.2
23	Door Frame	Metal	South	Intact	Gray	1st Floor	Room 111	Negative	0.3
24	Door Header	Wood	South	Intact	Gray	1st Floor	Room 111	Negative	0.2
25	Door Sidepanel	Wood	South	Intact	Gray	1st Floor	Room 111	Negative	0.1
26	Wall	Plaster	East	Intact	Beige	1st Floor	Room 111	Negative	-0.2
27	Soffit	Drywall	North	Intact	Beige	1st Floor	Room 111	Negative	0
28	Cabinets	Metal	North	Intact	Green	1st Floor	Room 111	Negative	0
29	Wall Panel	Wood	North	Intact	Beige	1st Floor	Room 111	Negative	0.1
30	Wall Panel	Wood	North	Intact	Black	1st Floor	Room 111	Negative	0.4
31	Raceway	Metal	North	Intact	Tan	1st Floor	Room 111	Negative	0.2
32	Cabinets	Wood	West	Intact	Varnish	1st Floor	Room 111	Negative	0
33	Wall	Plaster	North	Intact	Beige	1st Floor	Room 113	Negative	-0.2
34	Hatch	Metal	North	Intact	Beige	1st Floor	Room 113	Negative	-0.1
35	Cabinets	Wood	East	Intact	Varnish	1st Floor	Room 113	Negative	0
36	Raceway	Metal	East	Intact	Beige	1st Floor	Room 113	Negative	0.3
37	Wall	Metal	South	Intact	White	1st Floor	Room 114	Negative	-0.4

Date of Inspection: 8/26/21

Inspector: G. Paler

CDPH #: LRC-258

XRF Summary Table  
Cypress College SEM Building

Analyzer: Viken Pb200i

Units: mg/cm<sup>2</sup>Action Lvl: 1.0 mg/cm<sup>2</sup>

Reading No.	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Conc.
38	Raceway	Metal	South	Intact	White	1st Floor	Room 114	Negative	0.1
39	Door	Wood	West	Intact	Blue	1st Floor	Room 114	Negative	0.1
40	Door Frame	Metal	West	Intact	Brown	1st Floor	Room 114	Negative	0.1
41	Door Frame	Metal	East	Intact	Brown	1st Floor	Room 114	Negative	-0.2
42	Door	Wood	East	Intact	Blue	1st Floor	Room 114	Negative	0
43	Window Casing	Metal	East	Intact	Brown	1st Floor	Room 114	Negative	-0.1
44	Wall	Plaster	South	Intact	Beige	1st Floor	Room 116	Negative	-0.3
45	Wall	Fiberboard	East	Intact	Gray	1st Floor	Room 116	Negative	0.1
46	Soffit	Drywall	East	Intact	Beige	1st Floor	Room 116	Negative	-0.1
47	HVAC Duct	Metal	North	Intact	Lt-Brown	1st Floor	Room 116	Negative	0.2
48	HVAC Platform	Metal	North	Intact	Lt-Brown	1st Floor	Room 116	Negative	0.2
49	HVAC Platform	Wood	North	Intact	Lt-Brown	1st Floor	Room 116	Negative	0.2
50	Raceway	Metal	North	Intact	Gray	1st Floor	Room 116	Negative	0.4
51	Door	Wood	South	Intact	Gray	1st Floor	Room 116	Negative	0.1
52	Door Sidepanel	Wood	South	Intact	Gray	1st Floor	Room 116	Negative	0.1
53	Door Header	Wood	South	Intact	Gray	1st Floor	Room 116	Negative	0.1
54	Window Casing	Metal	South	Intact	Brown	1st Floor	Room 116	Negative	0.2
55	Vertical	Metal	North	Intact	Gray	1st Floor	Room 114	Negative	0.1
56	Wall	Plaster	East	Intact	Beige	1st Floor	Room 104	Negative	-0.4
57	Wall	Drywall	West	Intact	Beige	1st Floor	Room 104	Negative	-0.2
58	Bulletin Board	Fiberboard	South	Intact	Gray	1st Floor	Room 104	Negative	0.3
59	Door	Wood	West	Intact	Gray	1st Floor	Room 104	Negative	0
60	Door Outer Casing	Metal	West	Intact	Gray	1st Floor	Room 104	Negative	0
61	Door Inner Casing	Metal	West	Intact	Brown	1st Floor	Room 104	Negative	0.3
62	I-Beam	Metal	North	Intact	Dk-Gray	1st Floor	Room 104	Negative	-0.1
63	I-Beam	Metal	North	Intact	Brown	1st Floor	Room 104	Negative	0
64	Door	Wood	East	Intact	Blue	1st Floor	Room 105	Negative	0.2
65	Door Frame	Metal	East	Intact	Brown	1st Floor	Room 105	Negative	0.2
66	Wall	Plaster	South	Intact	Beige	1st Floor	Room 105	Negative	-0.3
67	Cabinets	Wood	South	Intact	Varnish	1st Floor	Room 105	Negative	-0.1
68	Wall	Plaster	East	Intact	Beige	1st Floor	Room 107	Negative	-0.3
69	Wall	Plaster	South	Intact	Beige	1st Floor	Room 107	Negative	-0.4
70	Fume Hood	Metal	South	Intact	Tan	1st Floor	Room 107	Negative	0
71	Wall	Plaster	North	Intact	Beige	1st Floor	Elevator Control Rm	Negative	-0.6
72	Soffit	Plaster	West	Intact	Beige	1st Floor	Elevator Control Rm	Negative	0.1
73	Elevator Motor	Metal	West	Intact	Blue	1st Floor	Elevator Control Rm	Negative	0.1
74	Panel	Metal	South	Intact	Blue	1st Floor	Elevator Control Rm	Negative	0
75	Floor	Concrete	North	Deteriorated	Lt-Gray	1st Floor	Elevator Control Rm	Negative	0.3

Date of Inspection: 8/26/21

Inspector: G. Paler

CDPH #: LRC-258

XRF Summary Table  
Cypress College SEM Building

Analyzer: Viken Pb200i

Units: mg/cm<sup>2</sup>Action Lvl: 1.0 mg/cm<sup>2</sup>

Reading No.	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Conc.
76	Door	Wood	East	Intact	Gray	1st Floor	Mechanical Room	Negative	0
77	Door Casing	Metal	East	Intact	Gray	1st Floor	Mechanical Room	Negative	0.1
78	Electric Panel	Metal	South	Intact	Gray	1st Floor	Mechanical Room	Negative	0.1
79	Electric Panel	Metal	East	Intact	Blue	1st Floor	Mechanical Room	Negative	-0.1
80	Wall	Plaster	East	Intact	Gray	1st Floor	Mechanical Room	Negative	-0.4
81	HVAC Unit	Metal	North	Intact	Gray	1st Floor	Mechanical Room	Negative	-0.1
82	Pipe	Metal	West	Deteriorated	Gray	1st Floor	Mechanical Room	Negative	0.1
83	Wall	Concrete	East	Intact	White	1st Floor	BDF Room	Negative	0.2
84	Wall	Drywall	South	Intact	White	1st Floor	BDF Room	Negative	0
85	Wall Panel	Wood	West	Intact	White	1st Floor	BDF Room	Negative	-0.3
86	Wall	Plaster	West	Intact	White	1st Floor	BDF Room	Negative	-0.1
87	Ceiling	Concrete	West	Intact	White	1st Floor	BDF Room	Negative	0.2
88	Wall	Concrete	North	Intact	White	1st Floor	Room 127	Negative	0.3
89	Wall	Plaster	North	Intact	White	1st Floor	Room 127	Negative	0.1
90	Wall	Drywall	North	Intact	White	1st Floor	Room 127	Negative	0.1
91	Chair Rail	Wood	North	Intact	Varnish	1st Floor	Room 127	Negative	-0.2
92	Window Casing	Metal	North	Intact	Gray	1st Floor	Room 127	Negative	0
93	Door	Metal	North	Intact	Gray	1st Floor	Room 127	Negative	0.1
94	Wall	Plaster	South	Intact	White	1st Floor	Room 127	Negative	0.1
95	Column	Concrete	North	Intact	White	1st Floor	Room 127	Negative	0.1
96	Window Casing	Metal	South	Intact	Gray	1st Floor	Room 127	Negative	-0.1
97	Sink	Porcelain	West	Intact	Black	1st Floor	Room 123 A&B	Negative	0.2
98	Cabinets	Wood	West	Intact	Varnish	1st Floor	Room 123 A&B	Negative	0
99	Cabinets	Metal	South	Intact	Red	1st Floor	Room 123 A&B	Positive	1.1
100	Fume Hood	Metal	West	Intact	Tan	1st Floor	Room 123 A&B	Positive	1
101	Door	Wood	West	Intact	Blue	1st Floor	Room 123 A&B	Negative	0.2
102	Door Frame	Wood	West	Intact	Blue	1st Floor	Room 123 A&B	Negative	0.2
103	Door Header	Wood	West	Intact	Blue	1st Floor	Room 123 A&B	Negative	0.3
104	Wall	Drywall	North	Intact	Beige	1st Floor	Men's RR	Negative	-0.4
105	Wall	Ceramic	North	Intact	Beige	1st Floor	Men's RR	Positive	2.9
106	Wall	Ceramic	North	Intact	Gray	1st Floor	Men's RR	Negative	0.3
107	Wall	Ceramic	North	Intact	Red-Brown	1st Floor	Men's RR	Negative	0.2
108	Wall	Ceramic	North	Intact	Beige	1st Floor	Men's RR	Positive	2.5
109	Sink	Ceramic	North	Intact	White	1st Floor	Men's RR	Negative	0.1
110	Urinal	Ceramic	North	Intact	White	1st Floor	Men's RR	Negative	0.2
111	Stall	Metal	East	Intact	Gray	1st Floor	Men's RR	Negative	0
112	Toilet	Ceramic	North	Intact	White	1st Floor	Men's RR	Negative	-0.2
113	Wall	Concrete	East	Intact	White	1st Floor	Men's RR	Negative	0

Date of Inspection: 8/26/21

Inspector: G. Paler

CDPH #: LRC-258

XRF Summary Table  
Cypress College SEM Building

Analyzer: Viken Pb200i

Units: mg/cm<sup>2</sup>Action Lvl: 1.0 mg/cm<sup>2</sup>

Reading No.	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Conc.
114	Wall	Plaster	South	Intact	Beige	1st Floor	Men's RR	Negative	-0.1
115	Ceiling	Plaster	North	Intact	Beige	1st Floor	Men's RR	Negative	-0.2
116	Ceiling	Plaster	North	Intact	Beige	1st Floor	Women's RR	Negative	0
117	Wall	Plaster	North	Intact	Beige	1st Floor	Women's RR	Negative	-0.1
118	Stall	Plastic	East	Intact	Gray	1st Floor	Women's RR	Negative	-0.2
119	Wall	Tile	South	Intact	Red	1st Floor	Women's RR	Negative	0.2
<b>120</b>	<b>Wall</b>	<b>Tile</b>	<b>South</b>	<b>Intact</b>	<b>Beige</b>	<b>1st Floor</b>	<b>Women's RR</b>	<b>Positive</b>	<b>3.1</b>
121	Wall	Tile	South	Intact	Off White	1st Floor	Women's RR	Negative	0.2
122	Floor	Tile	South	Intact	Lt-Brown	1st Floor	Women's RR	Negative	0.2
123	Floor	Tile	West	Intact	Gray	1st Floor	Women's RR	Negative	0.2
124	Casing	Metal	North	Intact	Brown	1st Floor	Women's RR	Negative	0.2
125	Toilet	Ceramic	North	Intact	Brown	1st Floor	Women's RR	Negative	-0.3
126	Sink	Ceramic	North	Intact	Brown	1st Floor	Women's RR	Negative	-0.1
127	Chair Rail	Wood	West	Intact	Varnish	1st Floor	1st Floor Hallway	Negative	-0.2
128	Casing	Metal	West	Intact	Brown	1st Floor	1st Floor Hallway	Negative	-0.1
129	Railing	Wood	West	Intact	Varnish	1st Floor	1st Floor Hallway	Negative	-0.2
130	Stringer	Metal	West	Intact	Gray	1st Floor	1st Floor Hallway	Negative	0.1
131	Wall	Plaster	South	Intact	Beige	1st Floor	1st Floor Hallway	Negative	0.1
132	Door	Wood	North	Intact	Gray	1st Floor	Mechanical Room	Negative	-0.1
133	Door Casing	Metal	North	Intact	Gray	1st Floor	Mechanical Room	Negative	0.2
134	Door Header	Wood	North	Intact	Gray	1st Floor	Mechanical Room	Negative	0
135	Wall	Plaster	North	Intact	Off White	1st Floor	Mechanical Room	Negative	0.1
136	Door	Wood	East	Intact	Brown	1st Floor	Mechanical Room	Negative	0
137	Door Frame	Metal	East	Intact	Brown	1st Floor	Mechanical Room	Negative	0.2
138	Pipe, Vertical	Metal	South	Intact	Silver	1st Floor	Mechanical Room	Negative	0
139	Valve	Metal	South	Intact	Silver	1st Floor	Mechanical Room	Negative	0
140	Door Threshold	Wood	North	Fair	Yellow	1st Floor	Mechanical Room	Negative	-0.1
141	Pipe, Vertical	Metal	South	Fair	Beige	1st Floor	Custodian	Negative	0.2
<b>142</b>	<b>Wall</b>	<b>Ceramic</b>	<b>North</b>	<b>Intact</b>	<b>Beige</b>	<b>1st Floor</b>	<b>Custodian</b>	<b>Positive</b>	<b>10.7</b>
143	Sink	Concrete	North	Intact	Gray	1st Floor	Custodian	Negative	0.1
144	Wall	Plaster	North	Deteriorated	Gray	1st Floor	Custodian	Negative	0
145	Door	Wood	South	Intact	Gray	2nd Floor	2nd Floor Hallway	Negative	0
146	Door Frame	Metal	South	Intact	Gray	2nd Floor	2nd Floor Hallway	Negative	0.2
147	Door Header	Wood	South	Intact	Gray	2nd Floor	2nd Floor Hallway	Negative	0.2
148	Wall	Plaster	South	Intact	Beige	2nd Floor	2nd Floor Hallway	Negative	-0.3
149	Fire Hose Case	Metal	South	Intact	Beige	2nd Floor	2nd Floor Hallway	Negative	0
150	Chair Rail	Wood	West	Intact	Varnish	2nd Floor	2nd Floor Hallway	Negative	0
151	Window Casing	Metal	West	Intact	Brown	2nd Floor	2nd Floor Hallway	Negative	0

Date of Inspection: 8/26/21

Inspector: G. Paler

CDPH #: LRC-258

XRF Summary Table  
Cypress College SEM Building

Analyzer: Viken Pb200i

Units: mg/cm<sup>2</sup>Action Lvl: 1.0 mg/cm<sup>2</sup>

Reading No.	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Conc.
152	Handrail	Wood	West	Intact	Varnish	2nd Floor	2nd Floor Hallway	Negative	0
153	Stringers	Metal	West	Intact	Gray	2nd Floor	2nd Floor Hallway	Negative	0
154	Wall	Drywall	North	Intact	Off White	2nd Floor	Room 209	Negative	0
155	Wall	Drywall	East	Intact	Off White	2nd Floor	Room 209	Negative	0.1
156	Door	Wood	North	Intact	Gray	2nd Floor	Room 209	Negative	0
157	Door Frame	Metal	North	Intact	Gray	2nd Floor	Room 209	Negative	0.2
158	Door Header	Wood	North	Intact	Gray	2nd Floor	Room 209	Negative	0
159	Wall	Plaster	East	Intact	Beige	2nd Floor	Stairwell	Negative	-0.3
160	Door	Wood	East	Intact	Gray	2nd Floor	Stairwell	Negative	0.1
161	Door Casing	Metal	East	Intact	Gray	2nd Floor	Stairwell	Negative	0.2
162	Stair Railing	Wood	West	Intact	Varnish	2nd Floor	Stairwell	Negative	0
163	Wall	Plaster	West	Intact	Beige	2nd Floor	2nd Floor Hallway	Negative	-0.2
164	Fire Hose Case	Metal	West	Intact	Beige	2nd Floor	2nd Floor Hallway	Negative	0
165	Wall	Plaster	West	Intact	Beige	2nd Floor	Room 205	Negative	-0.3
166	Wall	Plaster	South	Intact	Beige	2nd Floor	Room 205	Negative	-0.4
167	Column	Metal	North	Intact	Lt-Gray	2nd Floor	Room 217	Negative	0
168	Wall	Drywall	North	Deteriorated	Lt-Gray	2nd Floor	Room 217	Negative	0.1
169	Window Casing	Metal	North	Intact	Brown	2nd Floor	Room 217	Negative	0
170	Wall	Plaster	South	Deteriorated	Off White	2nd Floor	Mechanical Room	Negative	-0.4
<b>171</b>	<b>Wall</b>	<b>Ceramic</b>	<b>North</b>	<b>Intact</b>	<b>Beige</b>	<b>2nd Floor</b>	<b>Men's RR</b>	<b>Positive</b>	<b>3.3</b>
172	Floor	Ceramic	North	Intact	Lt-Brown	2nd Floor	Men's RR	Negative	0
173	Sink	Ceramic	North	Intact	White	2nd Floor	Men's RR	Negative	0.2
174	Urinal	Ceramic	North	Intact	White	2nd Floor	Men's RR	Negative	0
175	Stall	Metal	East	Intact	Gray	2nd Floor	Men's RR	Negative	-0.1
176	Wall	Plaster	South	Intact	Beige	2nd Floor	Men's RR	Negative	-0.2
177	Toilet	Ceramic	North	Intact	White	2nd Floor	Men's RR	Negative	0.2
178	Ceiling	Plaster	North	Intact	Off White	2nd Floor	Men's RR	Negative	-0.1
179	Wall	Plaster	North	Intact	Beige	3rd Floor	Room 307	Negative	-0.2
180	Door	Wood	North	Intact	Brown	3rd Floor	Room 307	Negative	0.2
181	Door Frame	Metal	North	Intact	Brown	3rd Floor	Room 307	Negative	0.2
182	Wall	Plaster	West	Intact	Beige	3rd Floor	Room 307	Negative	-0.4
183	Cabinets	Wood	East	Intact	Varnish	3rd Floor	Room 307	Negative	-0.2
184	Fume Hood	Metal	East	Intact	Lt-Brown	3rd Floor	Room 307	Negative	0
185	Fume Hood	Metal	East	Intact	Lt-Brown	3rd Floor	Room 307	Negative	-0.1
186	Wall	Plaster	North	Intact	Lt-Gray	3rd Floor	Room 311	Negative	-0.4
187	Sink	Concrete	North	Intact	Black	3rd Floor	Room 311	Negative	0
188	Cabinets	Wood	North	Intact	Varnish	3rd Floor	Room 311	Negative	-0.4
<b>189</b>	<b>Fume Hood</b>	<b>Metal</b>	<b>North</b>	<b>Intact</b>	<b>Red</b>	<b>3rd Floor</b>	<b>Room 311</b>	<b>Positive</b>	<b>3.1</b>

Date of Inspection: 8/26/21

Inspector: G. Paler

CDPH #: LRC-258

XRF Summary Table  
Cypress College SEM Building

Analyzer: Viken Pb200i

Units: mg/cm<sup>2</sup>Action Lvl: 1.0 mg/cm<sup>2</sup>

Reading No.	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Conc.
190	Door	Wood	East	Intact	Brown	3rd Floor	Room 311	Negative	0.2
191	Door Frame	Metal	East	Intact	Brown	3rd Floor	Room 311	Negative	0.2
192	Wall Panel	Wood	East	Intact	Beige	3rd Floor	Room 301	Negative	0
193	Door Sidepanel	Wood	East	Intact	Beige	3rd Floor	Room 301	Negative	0.2
194	Door Header	Wood	East	Intact	Brown	3rd Floor	Room 301	Negative	0.1
195	Door Casing	Metal	East	Intact	Brown	3rd Floor	Room 301	Negative	0.1
196	Wall	Plaster	North	Intact	Off White	3rd Floor	Room 301	Negative	-0.6
197	Lower Wall Panel	Metal	West	Intact	Lt-Brown	3rd Floor	Room 311	Negative	0.2
198	Wall	Plaster	West	Intact	Lt-Brown	3rd Floor	Common Area	Negative	-0.4
199	Wall	Plaster	North	Intact	Lt-Brown	3rd Floor	Room 318	Negative	-0.3
200	Sink	Ceramic	West	Intact	Black	3rd Floor	Room 318	Negative	0
201	Lower Wall Panel	Metal	West	Intact	Lt-Brown	3rd Floor	Room 326	Negative	0.1
202	Foundation	Concrete	West	Intact	Lt-Brown	3rd Floor	Room 326	Negative	0.3
203	Wall	Plaster	East	Fair	Beige	3rd Floor	Room 325	Negative	0.1
204	Cabinets	Metal	East	Intact	Red	3rd Floor	Room 325	Negative	0.7
205	Cabinets	Metal	East	Intact	Red	3rd Floor	Room 325	Negative	0.8
206	Wall	Plaster	South	Intact	Beige	3rd Floor	Room 325	Negative	-0.3
207	Fume Hood	Metal	East	Intact	Beige	3rd Floor	Room 334	Negative	0
208	Sink	Concrete	North	Intact	Black	3rd Floor	Room 334	Negative	0
209	HVAC Duct	Metal	East	Intact	Lt-Brown	3rd Floor	Custodian	Negative	0.1
<b>210</b>	<b>Wall</b>	<b>Ceramic</b>	<b>North</b>	<b>Intact</b>	<b>Beige</b>	<b>3rd Floor</b>	<b>Custodian</b>	<b>Positive</b>	<b>10.2</b>
211	Sink	Concrete	North	Intact	White	3rd Floor	Custodian	Negative	0.4
212	Wall	Plaster	North	Deteriorated	Beige	3rd Floor	Custodian	Negative	-0.1
213	Electric Panel	Metal	South	Intact	Beige	3rd Floor	Custodian	Negative	0.1
214	Lower Wall Panel	Metal	West	Intact	Lt-Brown	3rd Floor	Room 327	Negative	0
215	Column	Concrete	West	Intact	Beige	3rd Floor	Room 327	Negative	0.2
216	Ceiling	Plaster	East	Fair	Beige	3rd Floor	Room 327	Negative	0
217	Cabinets	Metal	South	Intact	Beige	3rd Floor	Room 327	Negative	0
<b>218</b>	<b>Cabinets</b>	<b>Metal</b>	<b>South</b>	<b>Intact</b>	<b>Red</b>	<b>3rd Floor</b>	<b>Room 327</b>	<b>Positive</b>	<b>1.7</b>
219	Cabinets	Metal	South	Intact	Red	3rd Floor	Room 327	Negative	0.9
<b>220</b>	<b>Cabinets</b>	<b>Metal</b>	<b>South</b>	<b>Intact</b>	<b>Red</b>	<b>3rd Floor</b>	<b>Room 327</b>	<b>Positive</b>	<b>1.6</b>
221	Wall	Plaster	West	Intact	Beige	3rd Floor	Room 309	Negative	-0.4
222	Fume Hood	Metal	West	Intact	Lt-Brown	3rd Floor	Room 309	Negative	-0.1
223	Soffit	Drywall	West	Intact	Beige	3rd Floor	Room 309	Negative	0.1
224	Cabinets	Metal	East	Intact	Beige	3rd Floor	Room 309	Negative	0
<b>225</b>	<b>Cabinets</b>	<b>Metal</b>	<b>East</b>	<b>Intact</b>	<b>Red</b>	<b>3rd Floor</b>	<b>Room 309</b>	<b>Positive</b>	<b>1</b>
226	Calibration Check								1
227	Calibration Check								1.1



Date of Inspection: 8/26/21  
Inspector: G. Palar  
CDPH #: LRC-258

XRF Summary Table  
Cypress College SEM Building

Analyzer: Viken Pb200i  
Units: mg/cm<sup>2</sup>  
Action Lvl: 1.0 mg/cm<sup>2</sup>

Reading No.	Component	Substrate	Side	Condition	Color	Floor	Room	Result	Conc.
228	Calibration Check								1.1

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# **Hazardous Materials Inventory**

Field Notes

# Appendix D





## Other Hazardous Materials – Field Observation Form

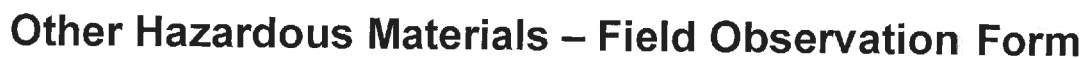
Project Name: Cypress College - SEM

Completed By: LAT / RDS / SDW

Project No.: 21-42-121-02

Date: August 25, 2021

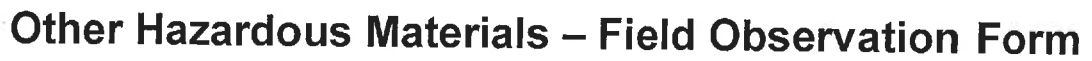
Type of Material	Comments
<input type="checkbox"/> Light Ballast	Location/Building #/Room #: <u>1<sup>st</sup> floor</u>
<input type="checkbox"/> PCB	Quantities/Conditions:
<input type="checkbox"/> Non-PCB	Other Comments/Notes:
<input type="checkbox"/> Fluor Light Tube	<u>Fire Alarm - 21</u>
Length: _____	<u>Fire Doors - 10 0.75 hour / 10 0.75 hr frames</u>
No. of Tubes: _____	<u>Thermostat - 2</u>
<input type="checkbox"/> Thermostat	<u>Smoke Detector - 3</u>
<input type="checkbox"/> Mercury	<u>Fluorescent fixture (8x2) - 1</u> <u>Fluorescent bulbs (8') - 1</u>
<input type="checkbox"/> Digital	<u>LED fixtures 4x2 → 180</u>
<input type="checkbox"/> Smoke Detector	<u>LED Bulbs 4x2 → 360</u>
<input type="checkbox"/> Exit Signs	<u>LED fixtures 2x2 → 22</u>
<input type="checkbox"/> Caulking Material	<u>LED Bulbs 2x2 → 196</u>
<input type="checkbox"/> 55-gal Drums	<u>LED fixtures 4x4 → 38</u>
<input type="checkbox"/> Qt/Gal Containers	
<input type="checkbox"/> Aerosol Cans	
<input type="checkbox"/> Other	
<input type="checkbox"/> Light Ballast	Location/Building #/Room #:
<input type="checkbox"/> PCB	Quantities/Conditions:
<input type="checkbox"/> Non-PCB	Other Comments/Notes:
<input type="checkbox"/> Fluor Light Tube	
Length: _____	
No. of Tubes: _____	
<input type="checkbox"/> Thermostat	
<input type="checkbox"/> Mercury	
<input type="checkbox"/> Digital	
<input type="checkbox"/> Smoke Detector	
<input type="checkbox"/> Exit Signs	
<input type="checkbox"/> Caulking Material	
<input type="checkbox"/> 55-gal Drums	
<input type="checkbox"/> Qt/Gal Containers	
<input type="checkbox"/> Aerosol Cans	
<input type="checkbox"/> Other	



Completed By: LAT / RDS / SDW

Date: August 25, 2021

Page \_\_\_\_\_ of \_\_\_\_\_



Completed By: LAT / RDS / SDW

Date: August 25, 2021Page \_\_\_\_\_ of \_\_\_\_\_

Don't pay attention to  
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~~correct~~ correct

RACK 10

STICK 3

CAMPUS	861	CYPRESS COLLEGE
BUILDING NUMBER	3	BUILDING NAME SCIENCE
PROJECT NAME	CYPRESS COLLEGE PHASE II	
PROJECT YEAR	1970	
BIN #:		110
DSA#	32716	tBP log-in date: 1-28-03
SHEET SIZE:	17x22 (17x22)	PAPER TYPE BLUE LINE

CONDITION READABLE

DISCIPLINE	SHEET #	SHEET NAME	Scan
INDEX	0.01	DRAWING INDEX DRAFTING SYMBOLS	
INFO	0.02	ABBREVIATIONS · MATERIAL · TYPES · FINISHES	
DETAILS	1.01	EXTERIOR CONC DETS. SITE DEVELOPMENT	
DETAILS	1.02	MISCELLANEOUS DETAILS SITE DEVELOPMENT	
DETAILS	1.03	MISCELLANEOUS DETAILS SITE DEVELOPMENT	
SITE	1.04	SITE DEVELOPMENT STRUCTURE ADDITION	
SITE	1.05	SITE DEVELOPMENT · OXYACETYLENE MANIFOLD · ENCLOSURE DIVISIONS	
SCHEDULE	2.01	FINISH SCHEDULE	
SCHD	2.02	FINISH SCHEDULE	
SCHD	2.03	FINISH SCHEDULE	
SCHD	2.04	FINISH SCHEDULE	
SCHD	2.05	FINISH SCHEDULE	
SCHD	2.06	FINISH SCHEDULE	
SCHD	2.07	FINISH SCHEDULE	
SCHD	2.08	FINISH SCHEDULE	
SCHD	2.09	FINISH SCHEDULE	
SCHD	2.10	FINISH SCHEDULE	
SCHD	2.11	FINISH SCHEDULE	
SCHD	2.12	FINISH SCHEDULE	
SCHD	2.13	FINISH SCHEDULE	
DOOR	3.01	DOOR TYPES	

DAVID

CAMPUS 861 CYPRESS COLLEGE			
BUILDING NUMBER 3		BUILDING NAME SCIENCE	
PROJECT NAME CYPRESS COLLEGE PHASE 11			
PROJECT YEAR 1970			
BIN #:			10
DISCIPLINE	SHEET #	SHEET NAME	Scan
SCHEDULE	4.01	DOOR SCHEDULE SCIENCE BUILDING "A"	
SCHD.	4.02	DOOR SCHEDULE SCIENCE BUILDING "A"	
SCHD.	4.03	DOOR SCHEDULE SCIENCE BUILDING "A"	
SCHD.	4.04	DOOR SCHEDULE SCIENCE BUILDING "A"	
SCHD.	4.05	DOOR SCHEDULE SCIENCE BUILDING "A"	
SCHD	4.06	DOOR SCHEDULE BUSINESS EDUCATION BUILDING	
SCHD	4.07	"	
SCHD	4.08	"	
SCHD	4.09	"	
DETAILS	5.01	H.M. FRAMED OPNG'S & DETAILS	
"	5.02	"	
"	5.03	"	
"	5.04	"	
"	5.05	"	
"	5.06	"	
"	5.07	"	
"	5.08	"	
DETAILS	5.09	ROLLER COUNTER SHUTTER	
DETAILS	6.01	MET. LOUVER DETAILS	
"	6.02	"	
DETAILS	7.01	WINDOW WALL	
"	7.02	WINDOW WALL - GREEN HOUSE WINDOW	
"	7.03	WINDOW WALL	
"	7.04	"	
"	7.05	"	
"	7.06	"	
"	7.07	"	

DAVID



CAMPUS 861 CYPRESS COLLEGE			
BUILDING NUMBER 3		BUILDING NAME SCIENCE	
PROJECT NAME CYPRESS COLLEGE PHASE II			
PROJECT YEAR 1970			
BIN #:			10
DISCIPLINE	SHEET #	SHEET NAME	Scan
DETAILS	10.01	WALL DETAILS	
"	10.02	"	
"	10.03	"	
"	10.04	"	
"	10.05	"	
"	10.06	"	
"	10.07	"	
"	10.08	"	
"	10.09	"	
"	10.10	"	
DETAILS	11.01	CONCRETE WALL & COL. DETAILS	
"	10.12	DETAILS AT FRONT WALL OF SCIENCE BLDG. LECTURE ROOMS	
DETAILS	11.02	CONC. DETAILS	
"	11.03	"	
"	11.05	"	
"	11.07	"	
"	11.08	"	
"	11.09	"	
DETAILS	12.01	FLOOR DETAILS	
"	12.02	"	
"	12.03	"	
DETAILS	13.02	ROOF DETAILS	
"	13.03	"	
"	13.04	ROOF DETAILS	
DETAILS	14.01	CEILING DETAILS	
"	14.02	"	
"	14.03	"	

DAVID

CAMPUS 861 CYPRESS COLLEGE			
BUILDING NUMBER 3		BUILDING NAME SCIENCE	
PROJECT NAME CYPRESS COLLEGE PHASE II			
PROJECT YEAR 1970			
BIN #:			10
DISCIPLINE	SHEET #	SHEET NAME	Scan
DETAILS	14.03	CEILING DETAILS	
"	14.04	"	
"	14.05	"	
"	14.06	"	
"	14.07	"	
"	14.08	"	
DETAILS	16.01	DEMOUNTABLE PARTITION DETAILS	
"	16.02	"	
METAL	17.01	METAL WORK	
"	17.02	"	
"	17.03	"	
"	17.04		
DETAILS	R18.01	OFFICE CUBICLES	
"	18.01	"	
"	18.02	"	
"	R18.02	"	
"	18.03	"	
"	R18.03	"	
"	18.04	MISC. DETAILS	
"	18.05	DISPLAY CASE DETAILS	
"	18.06	CASE WORK	
EQUIPMENT	19.01	FURNISHINGS AND EQUIPMENT	
DETAILS	20.01	VIBRATION ISOLATION DETAILS	
"	20.02	"	
"	20.03	"	
"	20.04	"	
ADDENDUM	AR-2	SCIENCE BUILDING PHASE II	

DAVID

# DETAIL DRAWING INDEX

## BUILDING IDENTIFICATION

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## WALL SECTION

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## AREA IDENTIFICATION PLAN

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## REFERENCES TO DETAIL

DETAILS SHOWN IN THIS  
 SHEET NUMBER WHERE DETAIL SHOWN

## REFERENCES TO EQUIPMENT

SEE SHEET FOR EQUIPMENT  
 IF EQUIPMENT

## DOOR NUMBERS

SEE SHEET FOR EQUIPMENT  
 IF EQUIPMENT

## MATCH LINE

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## NORTH REFERENCE

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## EXIT SIGN

## ELECTRICAL PANEL

## CONCRETE POURED IN PLACE

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## PERMANENT GATE

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## WINDOW WALL

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## METAL STUD PARTITION

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## SOUND CONTROL PARTITION

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## METAL STUD CAVITY PARTITION

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## ONE HOUR PARTITION

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## DEMOUNTABLE PARTITION

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## TWO HOUR PARTITION

IS THIS THE CORRECT NUMBER  
 (A CHECK NUMBER SHOULD BE PLACED  
 IN THE CORNER OF EACH SHEET)

## 1001 - 1002

1001

1002

1003

1004

1005

1006

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1008

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1016

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1038

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1040

## SHEET TITLE

DRAWING INDEX - DRAWING SYMBOLS

ABBREVIATIONS - MULTITYPE - FINISHED

SITE DEVELOPMENT

FINISH SHEET LISTS

DOOR TYPES

DOOR SCHEDULES

HIGH PRICED OPENINGS & DETAILS

METAL LOWER DETAILS

WINDOW WALL

NOT USED ON THIS PROJECT

NOT USED ON THIS PROJECT

WALL DETAILS (SHEET 10.1)

CONCRETE DETAILS (11.04 & 11.06)

FLOOR DETAILS

ROOF DETAILS

CEILING DETAILS

NOT USED ON THIS PROJECT

DEMOUNTABLE PARTITION DETAILS

METAL WORK

OFFICE CUBICLES & CASEWORK

FURNISHINGS & EQUIPMENT

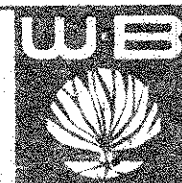
VIBRATION ISOLATION DETAILS

SCALE

DATE

DRAWN

JOB C-1007



WILLIAM E. BLUROCK & ASSOCIATES  
 CAUDILL ROWLETT SCOTT  
 associated architects

1550 AVENUE DEL MONTE DEL MAR 714 2670 0300

CYPRESS JUNIOR COLLEGE

NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

DRAWING INDEX

DRAFTING SYMBOLS

SHEET

0.01



ABBREVIATIONS		ABBREVIATIONS		DOOR MATERIAL		MATERIAL TYPES	
A.C.	ASPHALTIC CONCRETE	MAB	MASONRY	ALF	ALUMINUM FRAMED GLASS	ACT	① 12"x12"x3/4" MINERAL TILE UNCEASED SUSPENSION
AC TILE	ACQUETIC TILE	MATL	MATERIAL	ALZ	ALUMINUM SLATS(FULL-UP)	AC BT	② GLASS COTH FACE CEILING BOARD 1" THICK
AL	ALUMINUM	MAX	MAXIMUM	ALC	ALUMINUM CLAREL	AC	① 2" ASPHALT CONCRETE
AWW	ALUMINUM WINDOW WALL	MCB	METAL CASING BEAD	FED	FOLDING FABRIC DOOR	CONC.	① CONCRETE SMOOTH FORMED AND SACKED FINISH
ASE CEM.	ASBESTOS CEMENT	MET	METAL	FPW	FOLDING PANEL WOOD	CONC.	② CONCRETE WITH COLOR HARDENER SMOOTH TROWEL FINISH
B.S.	BREAK GLASS STATION	MFR	MANUFACTURER			CONC.	③ CONCRETE BOARD FORMED FINISH
B.K.S.	BLOCKING	MO	MASONRY OPENING			CONC.	④ CONCRETE WITH COLOR HARDENER LIGHT TIE TROWEL
B.H.C.N.C.	BUSH HAWKED CEMENT	MIN	MINIMUM			CONC.	⑤ INTEGRAL COLORED CONCRETE ROCK SALT FINISH
BPT	BRICK PAVING TILE	MISC	MISCELLANEOUS			CONC.	⑥ CONCRETE SMOOTH TROWEL FINISH
C	CARPET	NIC	NOT IN CONTRACT			CONC.	⑦ INTEGRAL COLORED CONCRETE SMOOTH FINISH
CAB	CABINET	NTG	NOT TO SCALE			CONC.	⑧ CONCRETE WITH COLOR HARDENER AND ABRASIVE AGGREGATE SMOOTH TROWEL FINISH
CB	CATCH BASIN	OC	ON CENTER			D.FAC	DOUBLE FACED ASBESTOS-CEM. PANEL
CHE	CHALK BOARD	PEB CONC	PEBBLED CONCRETE			S.FAC	SINGLE FACED ASBESTOS-CEM. PANEL
CEM AB	CEMENT ASBESTOS BOARD	PH	PANIC HARDWARE				
CJ	COLD JOINT	PLAS	PLASTER			REBIL	① 4" MOULDED RUBBER GNE BASE
CL FENCE	CHAIN LINK FENCE	PLYWD	PLYWOOD			REBIL	② 4" RUBBER STRAIGHT BASE
CLG	CEILING	PRE CASE	PREFINISHED CASEWORK			REBIL	③ 3"x9"x1/8" VINYL ASBESTOS TILE
CMTG	CERAMIC Mosaic TILE GLAZED	STE	QUARRY TILE FLUTE			REBIL	④ SHEET VINYL
CMTU	CERAMIC Mosaic TILE UNGLAZED	ED	ROOF DRAIN			REBIL	⑤ HARDWOOD GYMNASIUM FLOOR AS SPECIFIED
CEE TILE	CERAMIC TILE	REBIL	RESILIENT			REBIL	⑥ 2"x2" MOULDED RUBBER GNE BASE
COL	COLUMN	REF	REFERENCE			REBIL	⑦ 4"x1/8" MOULDED RUBBER VENT COVE BASE
COMP	COMPUTATION	RESD	REQUIRED			PLAS.	① INTERIOR STUCCO FINISH GYPSUM PLASTER
CONC	CONCRETE	CHS	ROUND HEADED SCREW			PLAS.	② SMOOTHER FINISH CEMENT PLASTER
CONT	CONTINUOUS	RO	ROUGH OPENING			PLAS.	③ HARDWOOD VENEER OVER GYPSUM PLASTER
CONTE	CONTRACTOR	RWD	REDWOOD			PLAS.	④ VINYL FABRIC OVER STRUCTURAL PLASTER
CL GL	CLEAR GLASS	SD	SCHEDULE DIMENSION			PLAS.	⑤ STRUCTURAL PLASTER
C GL	COLOR GLASS	SM	SIMILAR			DEM. PART	① 1 HOUR RATING (NOT REQUIRED)
DEM PART	DEMOUNTABLE PARTITION	SJ	SAW JOINT			DEM. PART	② 1 HOUR RATING REQUIRED
D FIE	DRINKING FOUNTAIN	SP B.L.	SPLASH BLOCK				
DF	DRINKING FOUNTAIN	S SINK	SERVICE SINK				
DIA	DIAMETER	S STL	STAINLESS STEEL				
DM	DIMENSION	SH VIN	SHEET VINYL				
ES	EXISTING GRADE	SWW	STEEL WINDOW WALL				
EJ	EXPANSION JOINT						
ELEC	ELECTRIC						
EP	ELECTRIC PANEL						
ELEV	ELEVATION						
EXIST	EXISTING						
EXP	EXPOSED						
EXT	EXTERIOR						
FD	FLOOR DRAIN						
REC	FIRE EXTINGUISHER CABINET						
FE	FIRE EXTINGUISHER WALL HUNG						
FTEE	FINISHED TEE						
FG	FINISHED GRADE						
FHC	FIRE HOSE CABINET						
FHS	FLAT HEAD SCREW						
FL	FLOW LINE						
FCC	FACE OF CONCRETE						
ROM	FACE OF MASONRY						
ROS	FACE OF STUDS						
FS	FACE OF COLUMN						
FL RD	FUSIBLE LINK FIRE DAMPER						
GA	GAUGE						
GALV	GALVANIZED						
GI	GALVANIZED IRON						
GL	GLASS						
GYP BD	GYPSUM BOARD						
HOWD	HARDWOOD						
HM	HOLLOW METAL						
HT	HEIGHT						
INS	INSULATION						
LAM PLAS	LAMINATED PLASTIC						
LAV	LAVATORY						
LVR	LOVER						

Material Types: Delete following materials systems callout that is not in project:

PLAS (3), PLAS (4) and PLAS (5)

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

8-2-71 6 APPROVED FEB 13 1970

APPROVED FOR *Bohlander*

APPROVED

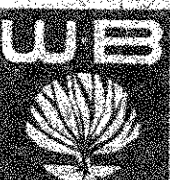
STATE FIRE MARSHAL

STATE OF CALIFORNIA

DATE FEB 11 1970

BY *AC*

SCALE	
DATE	
DRAWN	
JOB NO.	



WILLIAM E. BLUROCK & ASSOCIATES  
CAUDILL ROWLETT SCOTT  
ARCHITECTS  
1200 EASTERN BLVD. CORONA DEL MAR 92625  
714 693 9300

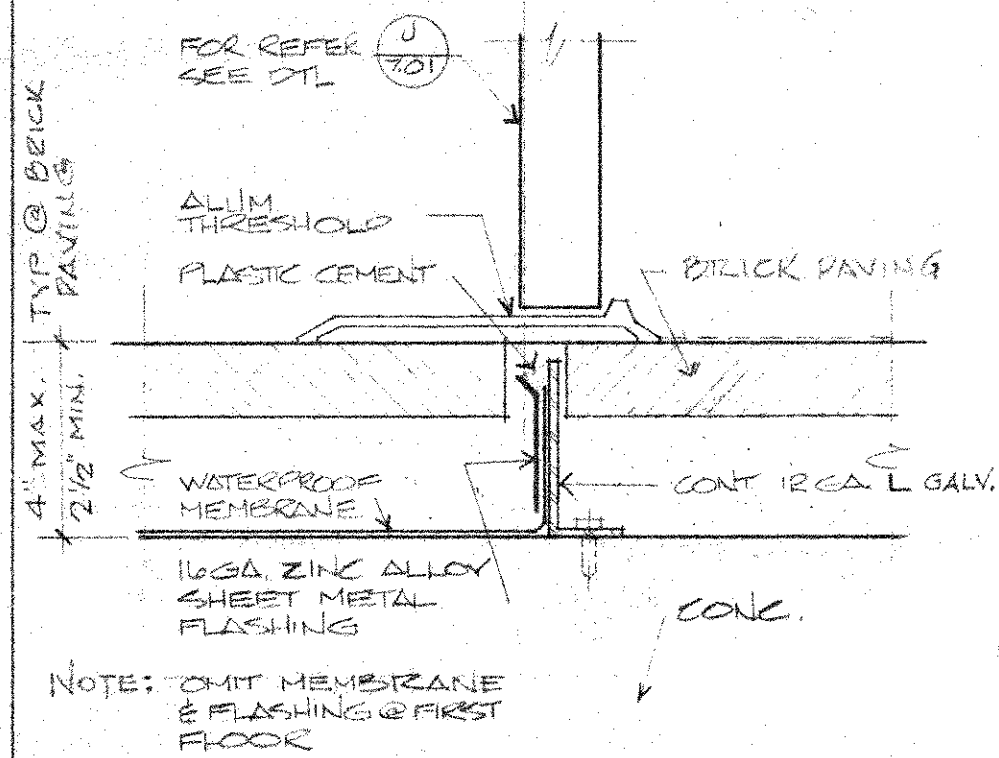
CYPRESS JUNIOR COLLEGE

NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

ABBREVIATIONS  
MATERIAL TYPES  
FINISHES

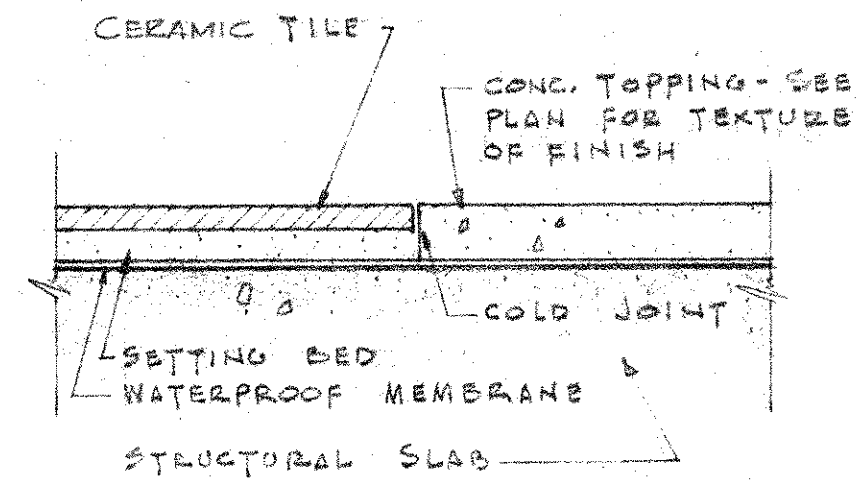
SHEET  
0.02  
OF





FLASHING @ DOOR

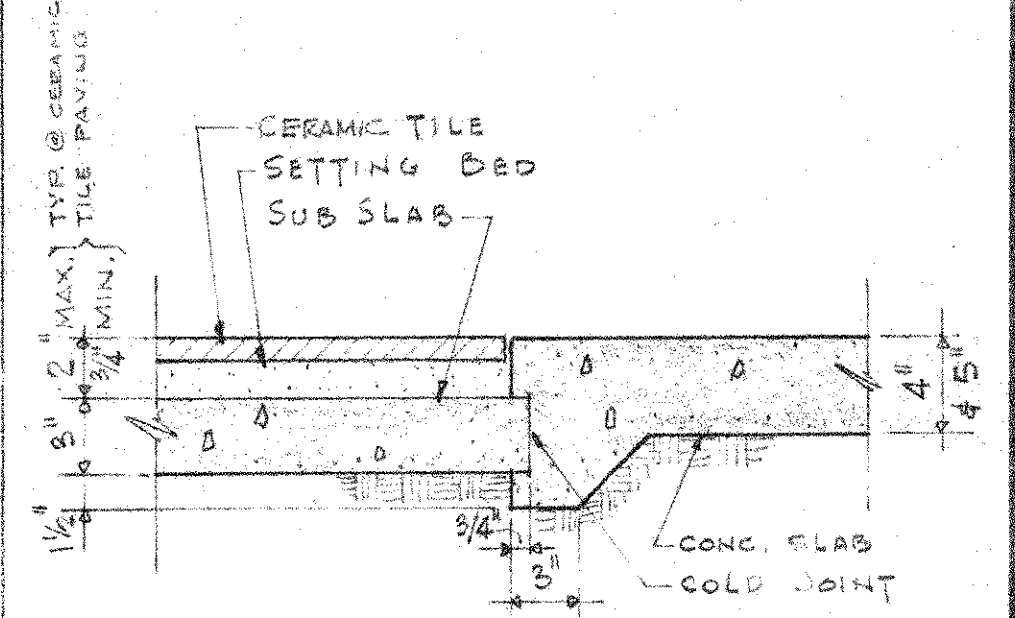
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Sheet 1.01: Omit D/1.01

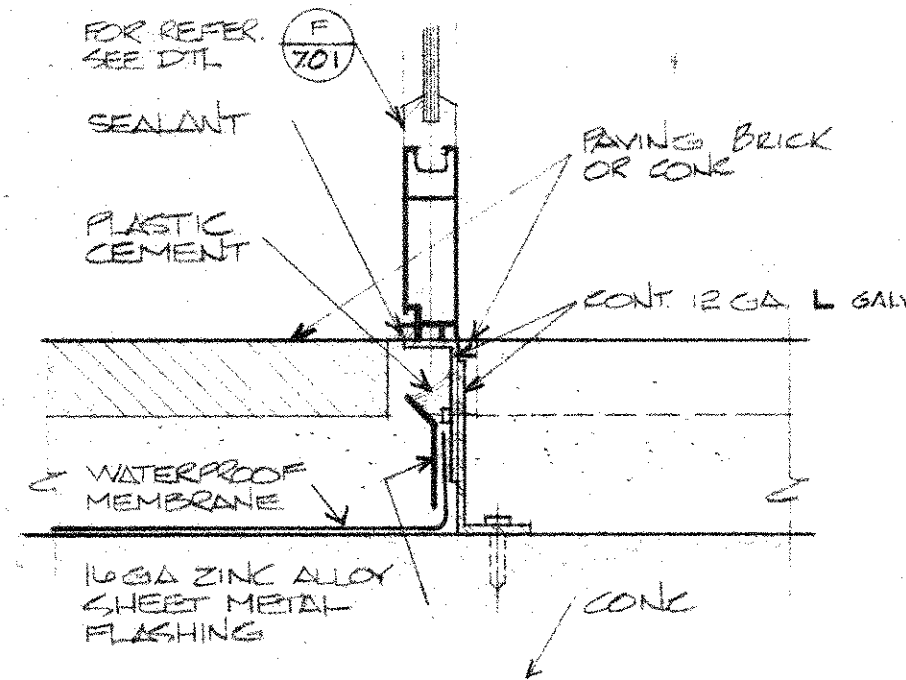
PAVING DETAIL

SCALE 1 1/2" = 1'-0"



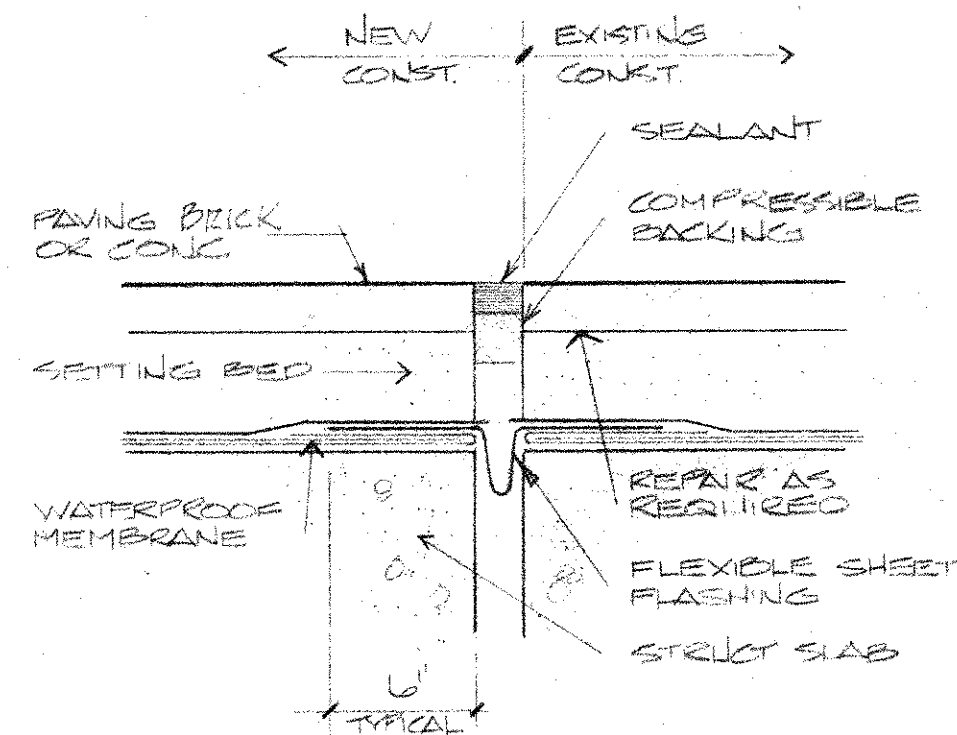
PAVING DETAIL

SCALE 1 1/2" = 1'-0"



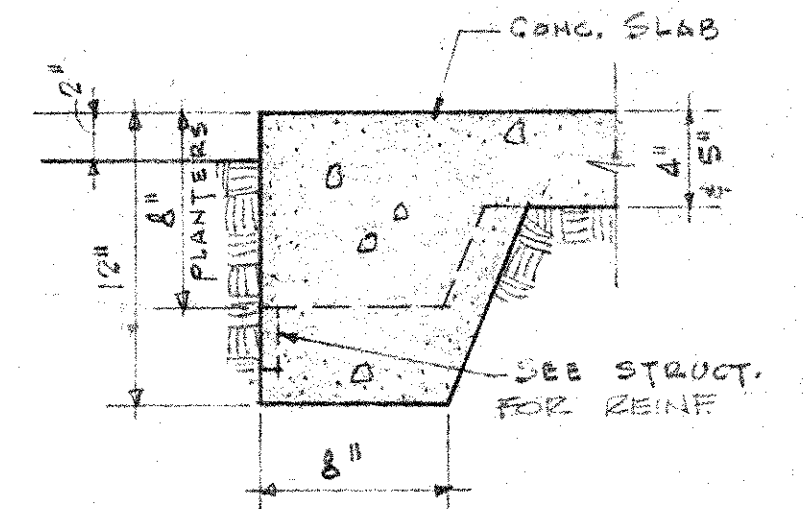
FLASHING @ WINDOW WALL

SCALE 3/4" = 1'-0"



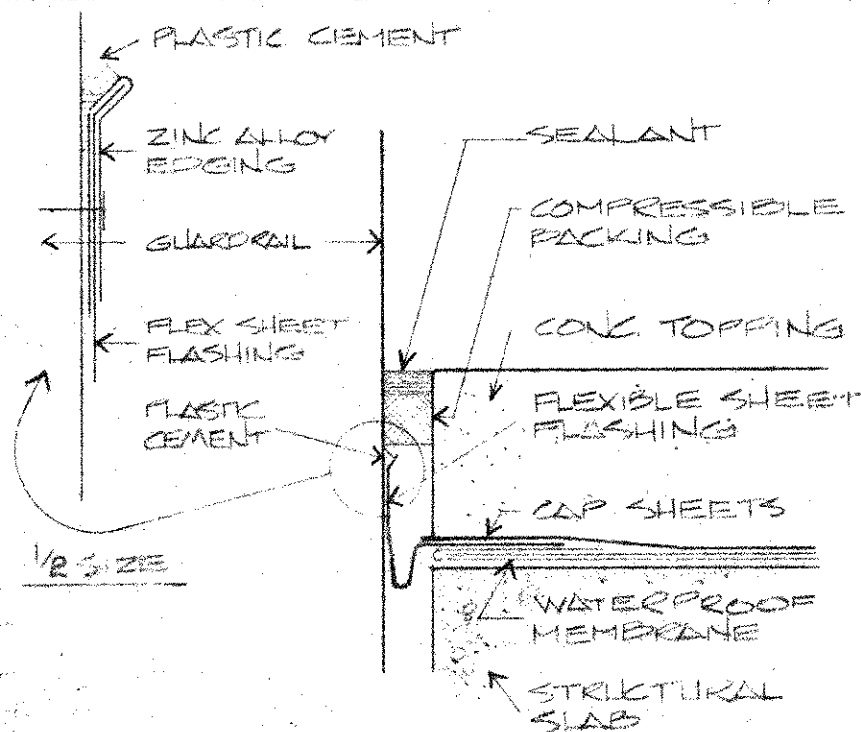
FLASHING AT NEW PIAZZA

SCALE 3/4" = 1'-0"



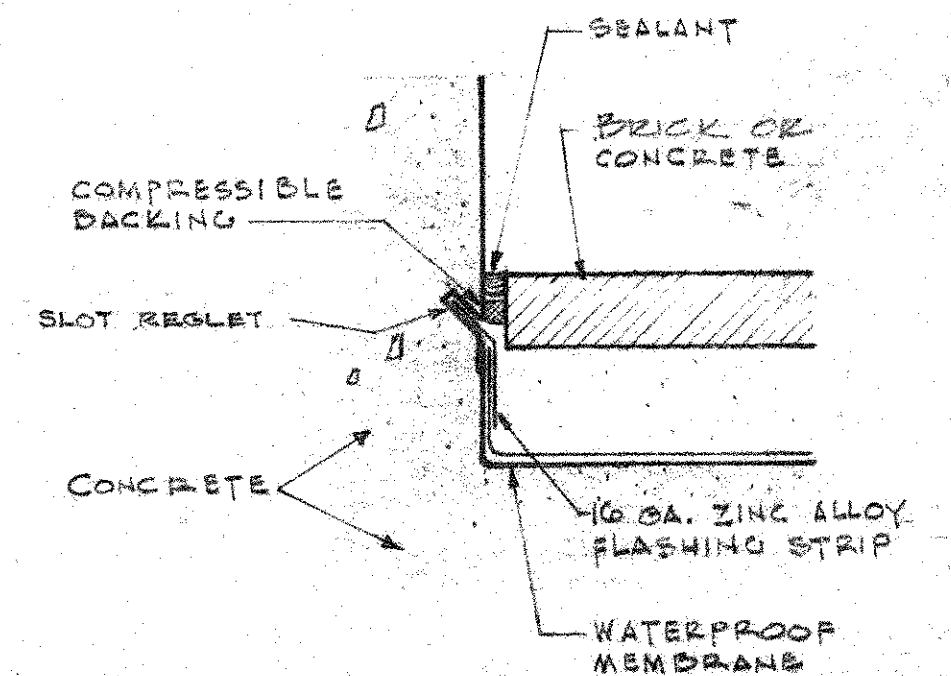
EDGE OF SLAB

SCALE 1 1/2" = 1'-0"



FLASHING AT GUARDRAIL

SCALE 3/4" = 1'-0"



FLASHING AT WALL

SCALE 3/4" = 1'-0"

STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES  
DIVISION OF ARCHITECTURE AND CONSTRUCTION  
32216 APPROVED FEB 13 1970  
APPROVED BY: [Signature]

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DIVISION OF FIRE PREVENTION  
APPROVED BY: [Signature]

CYPRESS COLLEGE  
PHASE II

WB ARCHITECTS PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

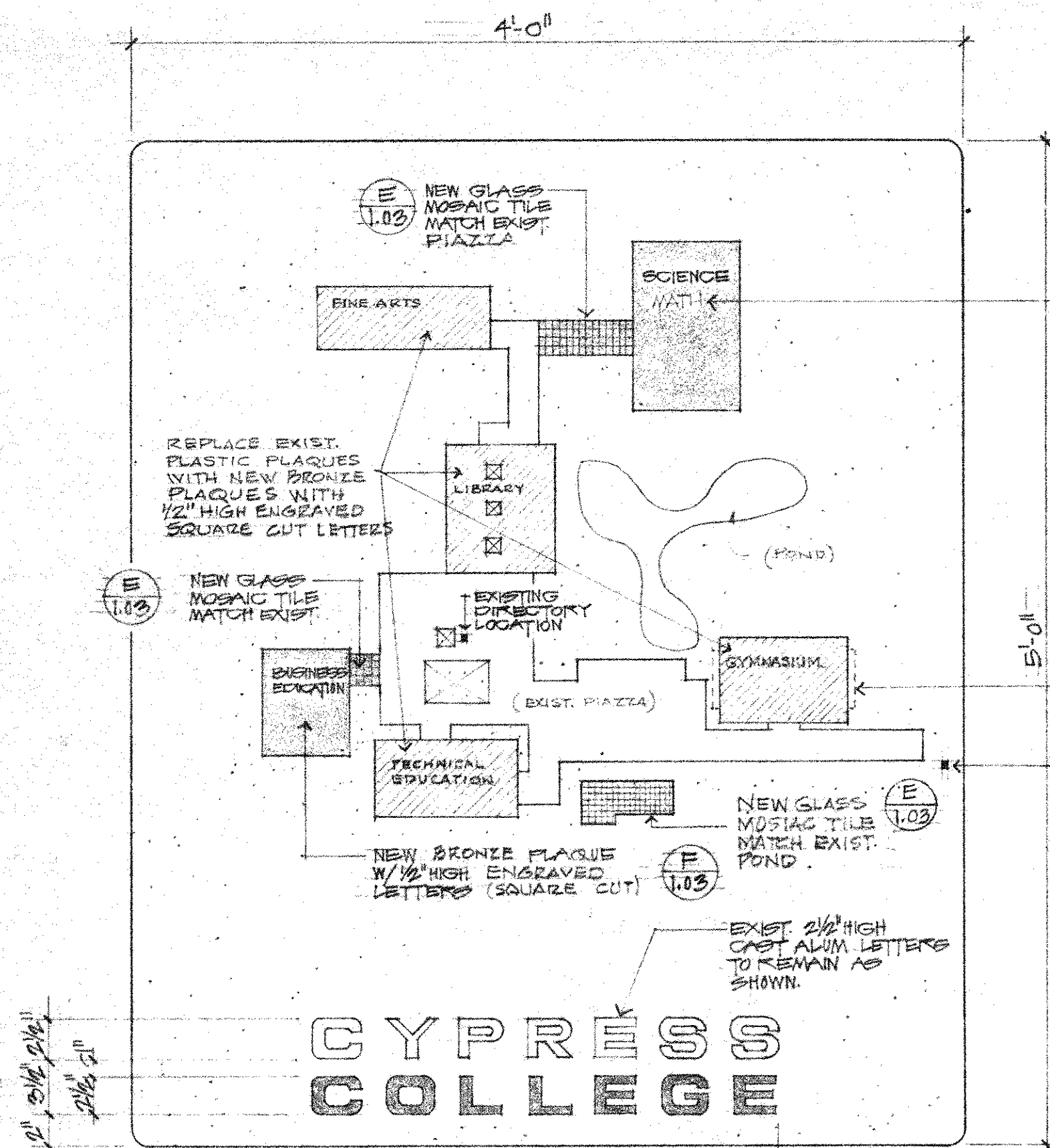
EXTERIOR CONC. DETS.  
SITE DEVELOPMENT

SHEET  
1.01  
OF

SCALE  
DATE  
DRAWN  
JOB C-1007







NEW BRONZE PLAQUE WITH 1/2" HIGH ENGRAVED SQUARE CUT LETTERS (F 1.03)

REMOVE EXIST. PROJECTIONS OF GROUT SETTING BED @ EA. END

EXISTING DIRECTORY LOCATION - SEE DRWG. SD-1

NEW GLASS MOSAIC TILE MATCH EXIST. POND (E 1.03)

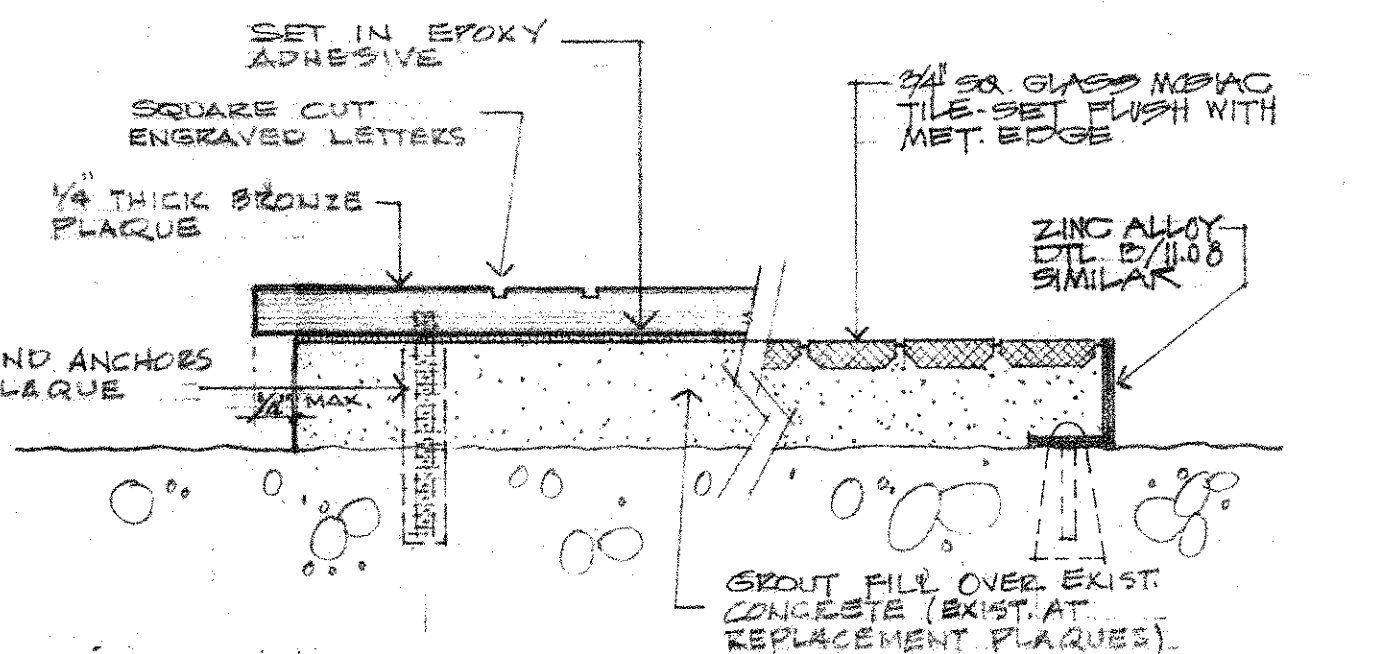
NEW BRONZE PLAQUE W/ 1/2" HIGH ENGRAVED LETTERS (SQUARE CUT) (F 1.03)

EXIST. 2 1/2" HIGH CAST ALUM. LETTERS TO REMAIN AS SHOWN.

CYPRESS COLLEGE

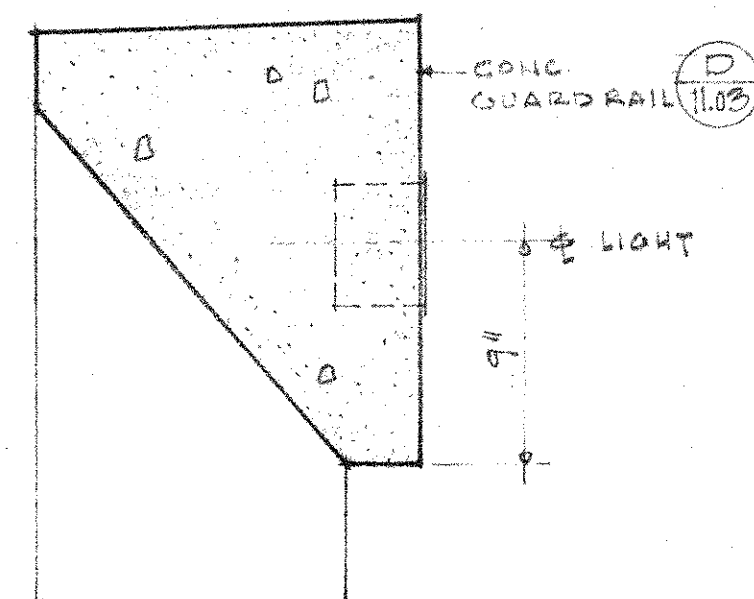
PLAN - EXISTING DIRECTORY  
SCALE : 1/2" = 1'-0"

REMOVE 1 1/2" HIGH LETTERS AND INSTALL NEW 2 1/2" HIGH LETTERS READING "COLLEGE" AS SHOWN. MATCH EXIST. GRAPHICS AND COLOR OF ANODIZED ALUM. LETTERS.

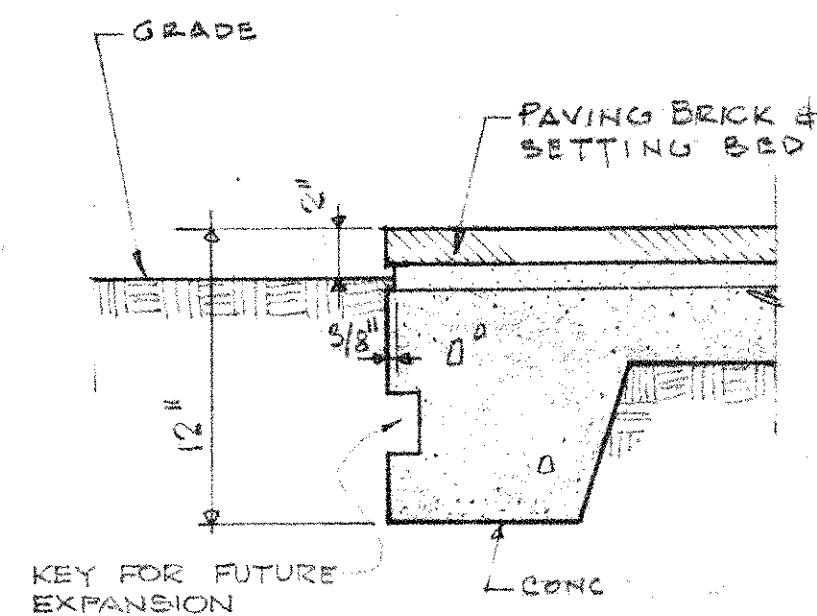


(F) BLDG. SIGN DETAIL - FULL SIZE

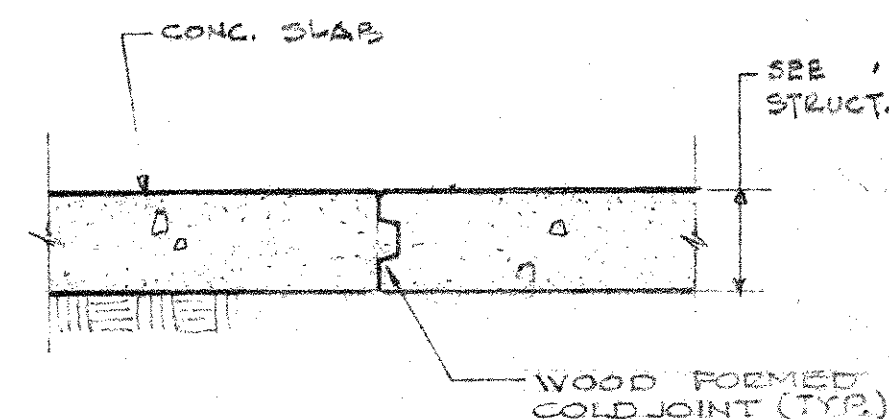
(E) TILE PIAZZA DETAIL - FULL SIZE



RAILING LIGHT INSTAL. SCALE 1 1/2" (D 1.03)



SLAB EDGE SCALE 1 1/2" (B 1.03)



COLD JOINT SCALE 1 1/2" (C 1.03)

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

82716 APPROVED FEB 13 1970

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE: FEB 13 1970  
BY: [Signature]

EXISTING DIRECTORY REVISIONS

SCALE AS NOTED  
DATE  
DRAWN: VON SIND  
JOB: C-1007

CYPRESS COLLEGE  
PHASE II

WB  
ARCHITECTS  
PLANNERS

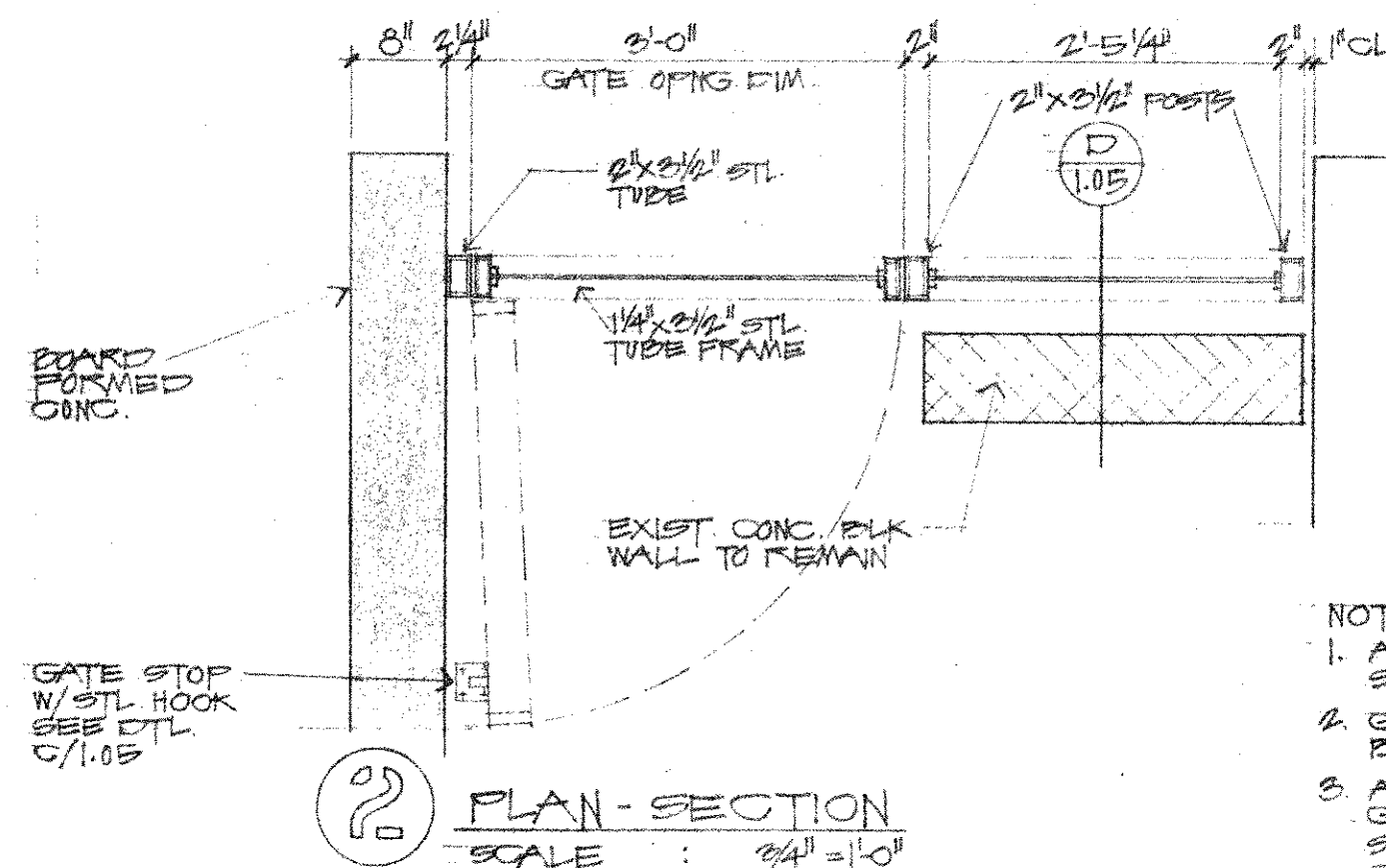
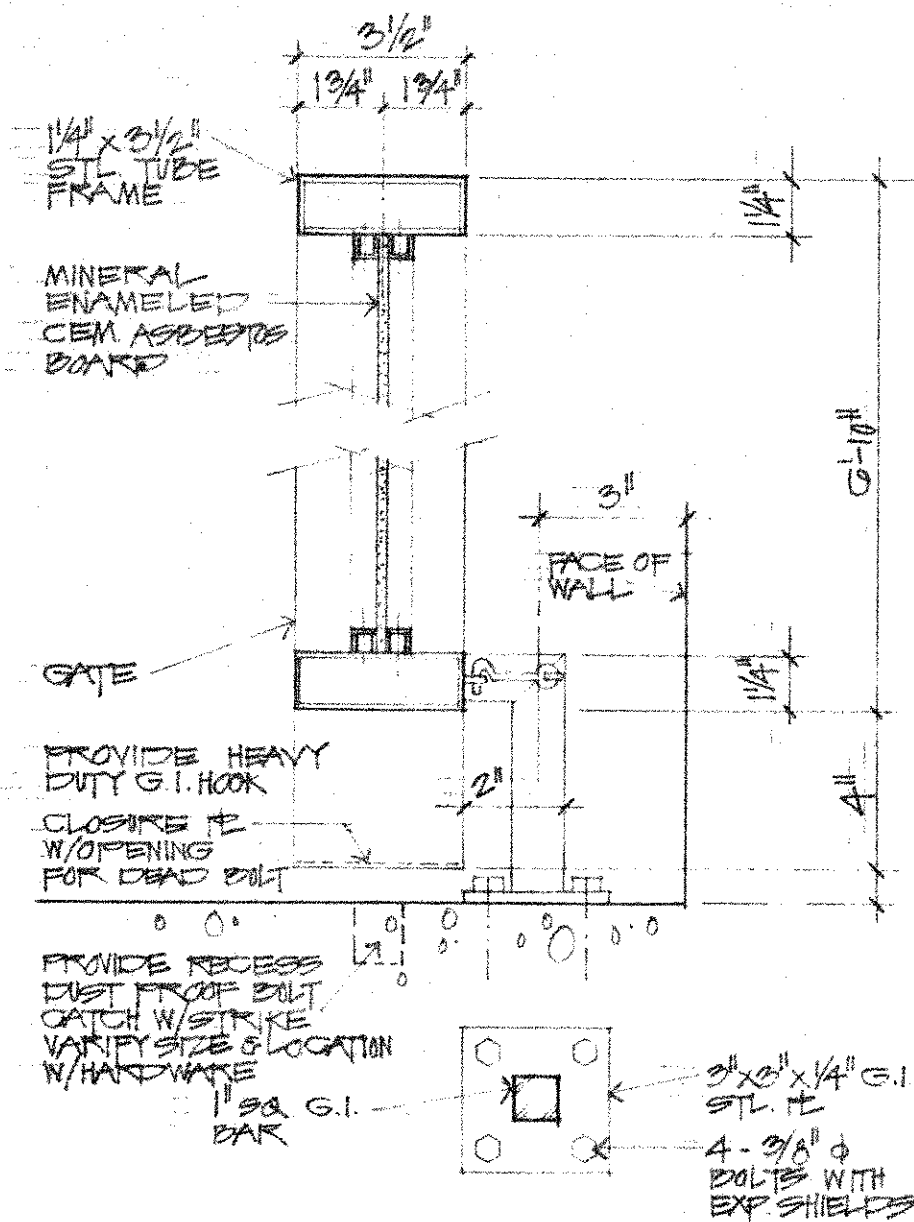
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

MISCELLANEOUS DETS.  
SITE DEVELOPMENT

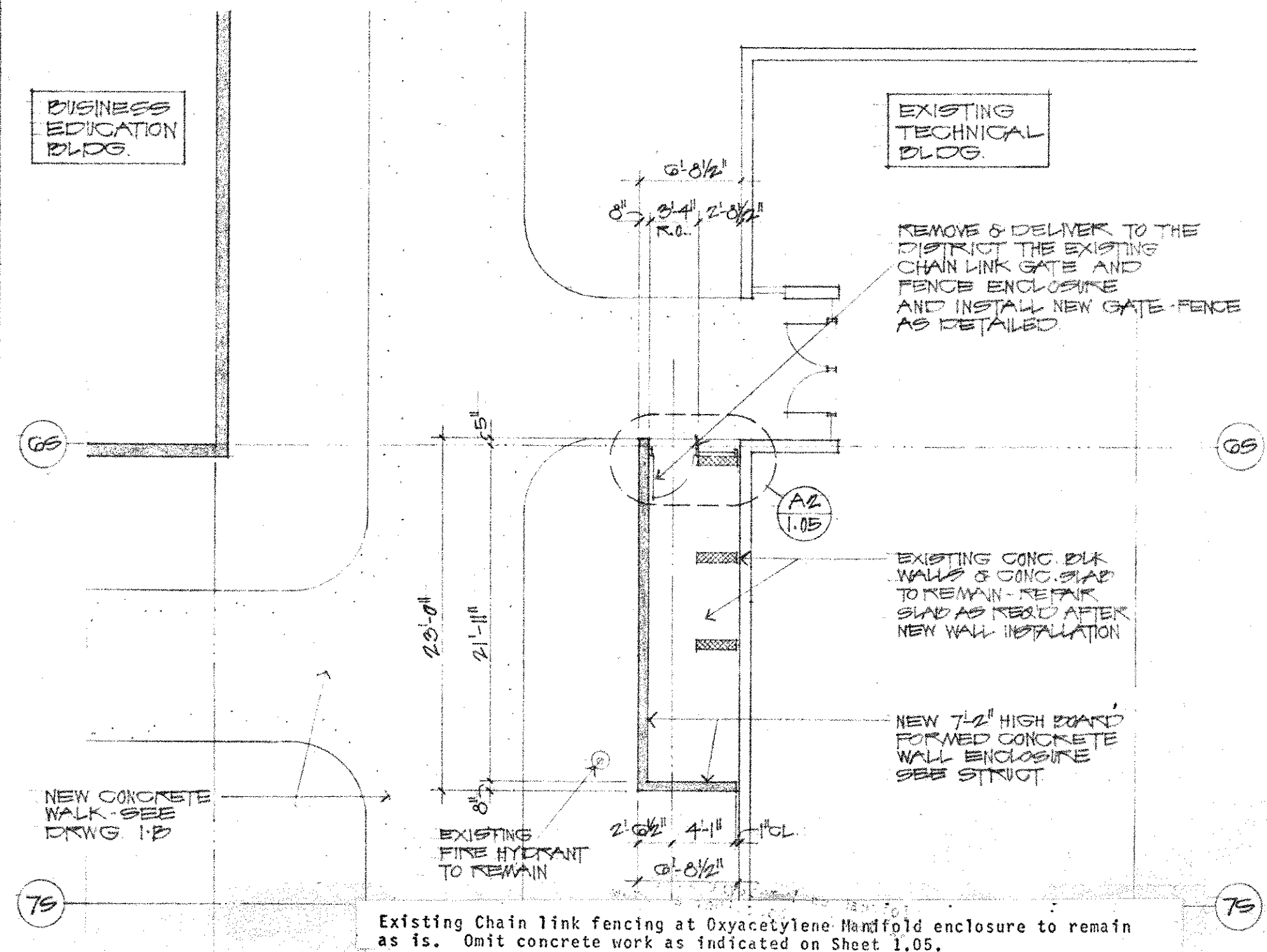
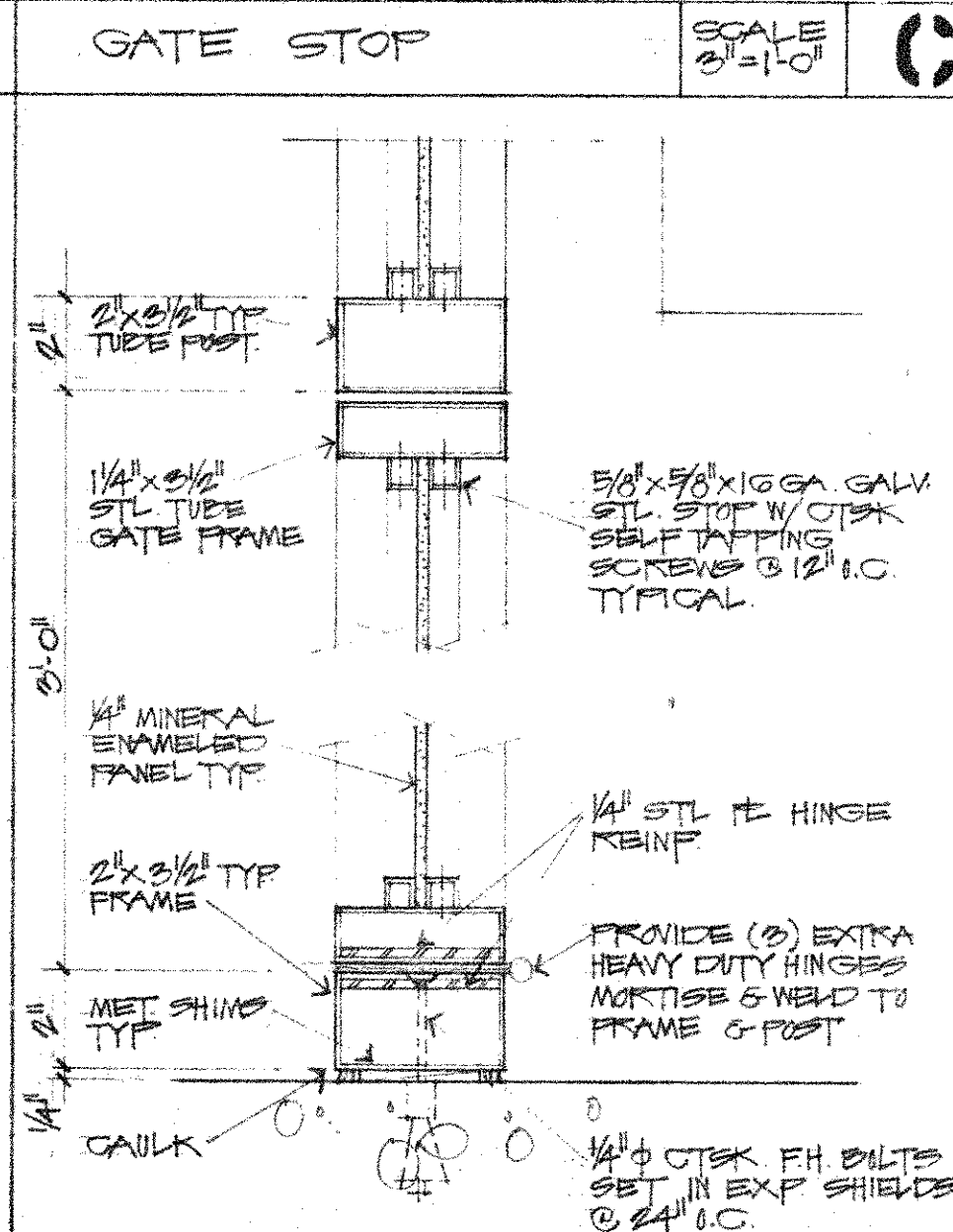
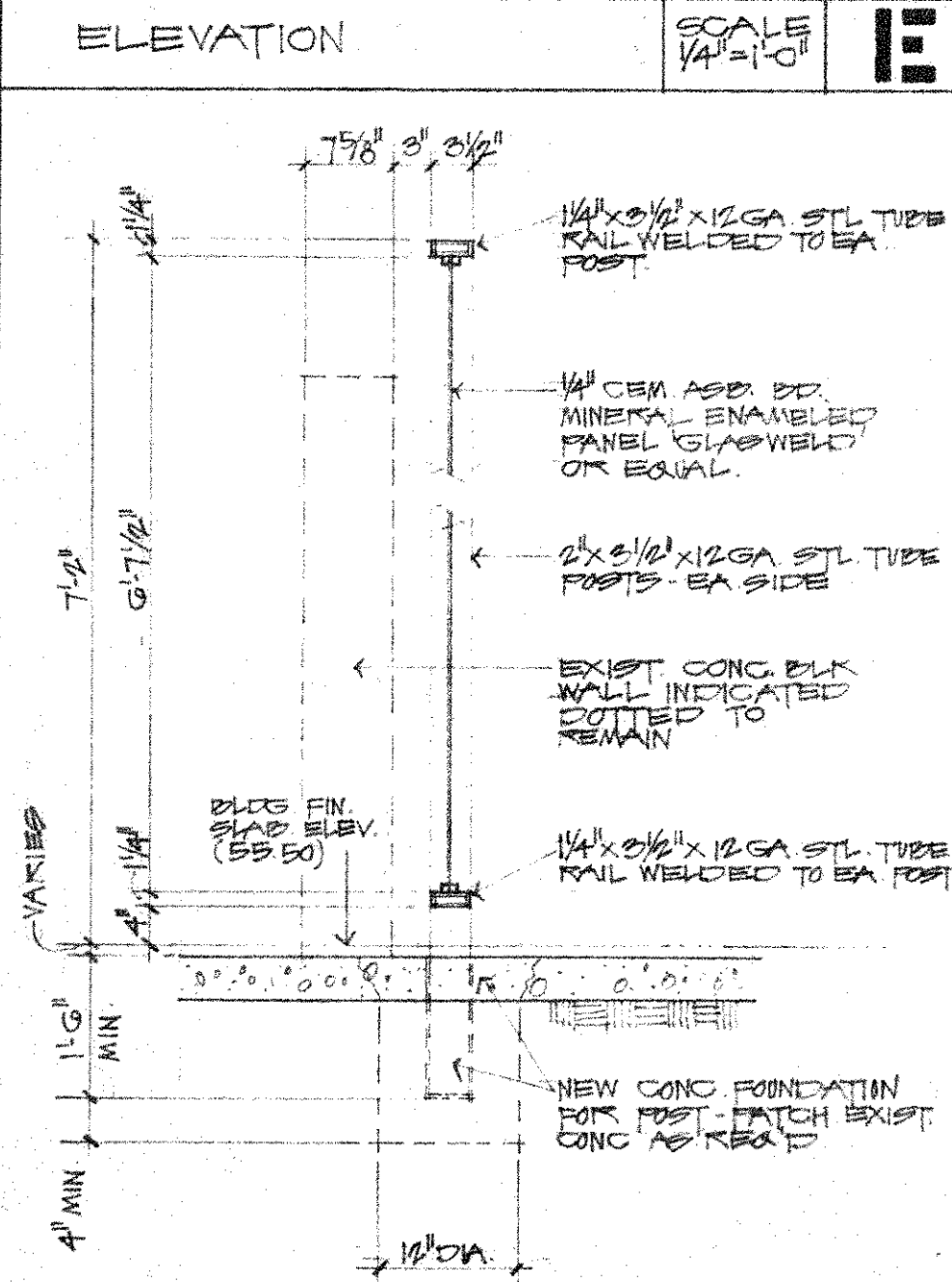
SHEET  
1.03  
OF



NOTE:  
PROVIDE "ADAMS RITE"  
HARDWARE NO. MS 1851A-11  
W/ HANDLE NO. 4160 OR  
EQUAL - HANDLE TO BE ON  
INSIDE



- NOTES:
1. ALL GATE & FENCE ASSEMBLY SHALL BE GALV. AFTER FABRICATION.
  2. GATE & FENCE ASSEMBLY SHALL BE PAINTED - SEE SPECS.
  3. ALL WELDS SHALL BE GROUND SMOOTH. ALL POSTS SHALL HAVE 12 GA. STL. IT CLOSURE WELDED TO TOP & BOTTOM.



32716 APPROVED FEB 10 1970

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA

FENCE SECTION

SCALE  
1/4" = 1" 0"

GATE JAMB DTLS

SCALE  
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

PARTIAL PLAN

SCALE  
1/4" = 1" 1/4"

A

SCALE AS NOTED

DATE \_\_\_\_\_

DRAWN G.L.V.S

JOB C-1007

CYPRESS COLLEGE  
PHASE II

**W B**  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

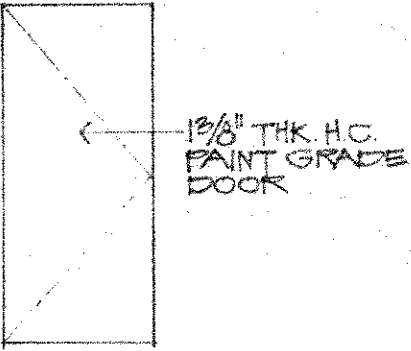
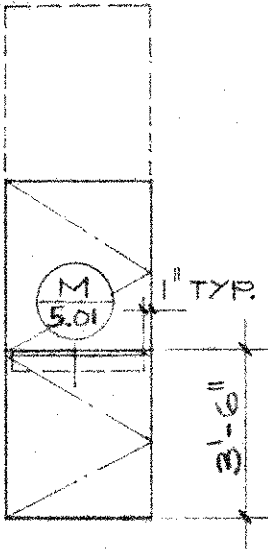
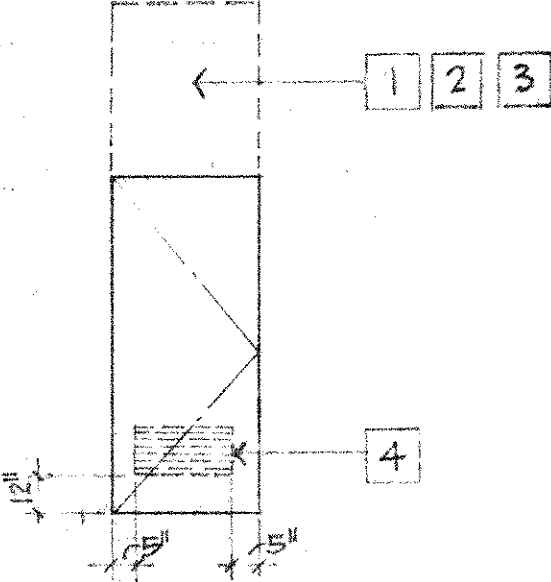
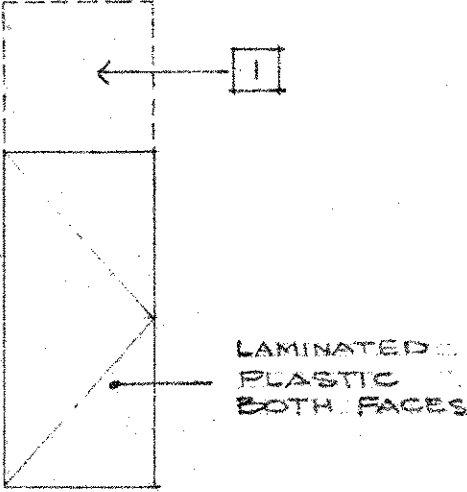
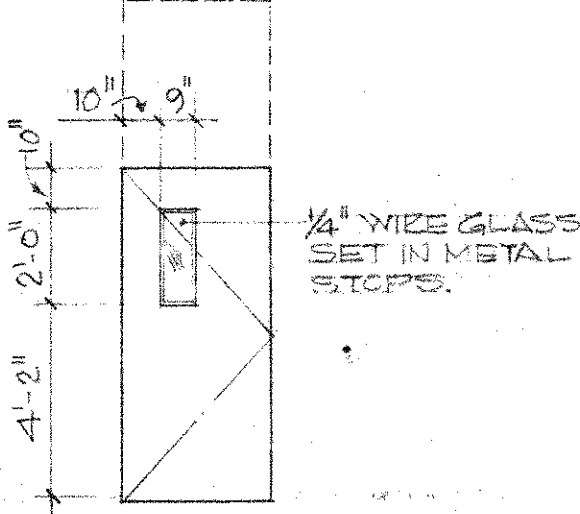
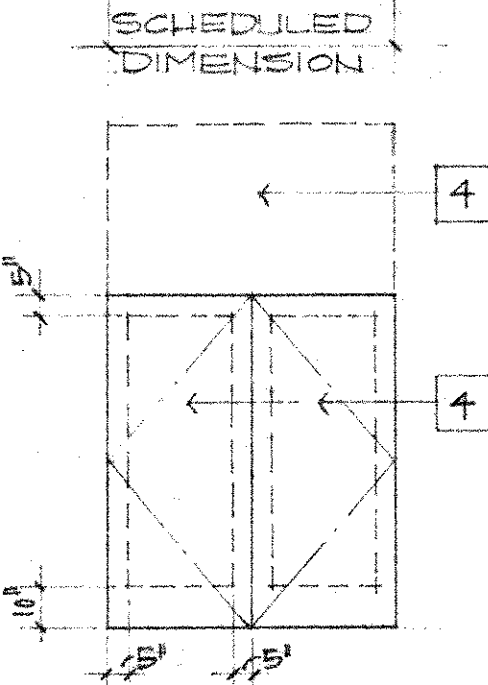
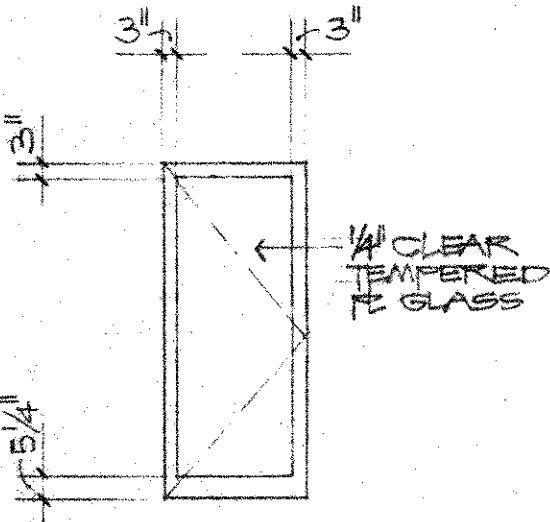
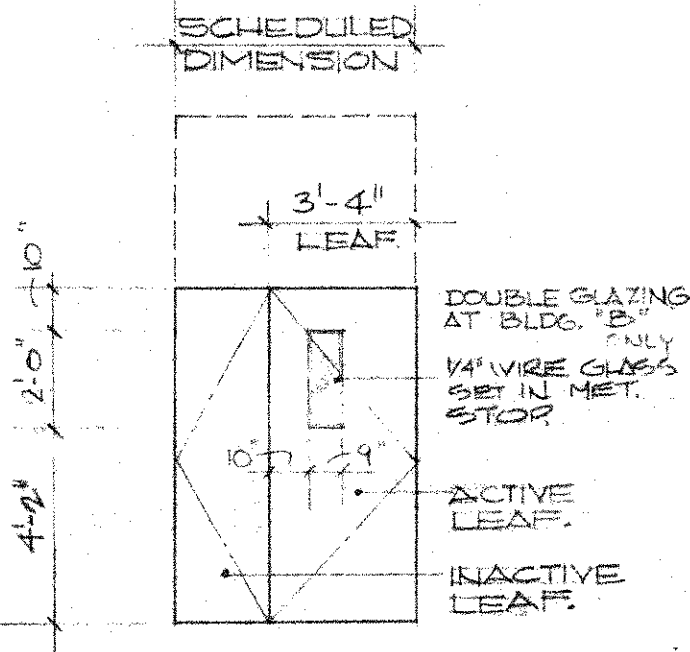
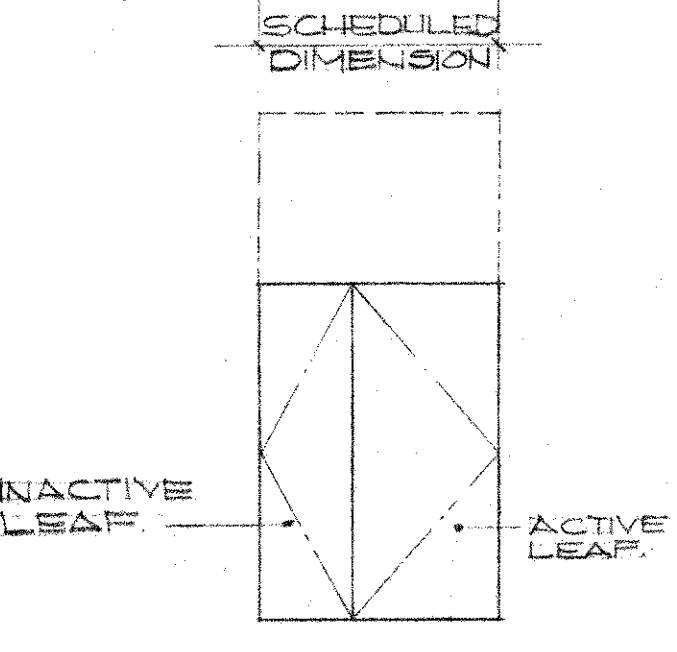
## SITE DEVELOPMENT

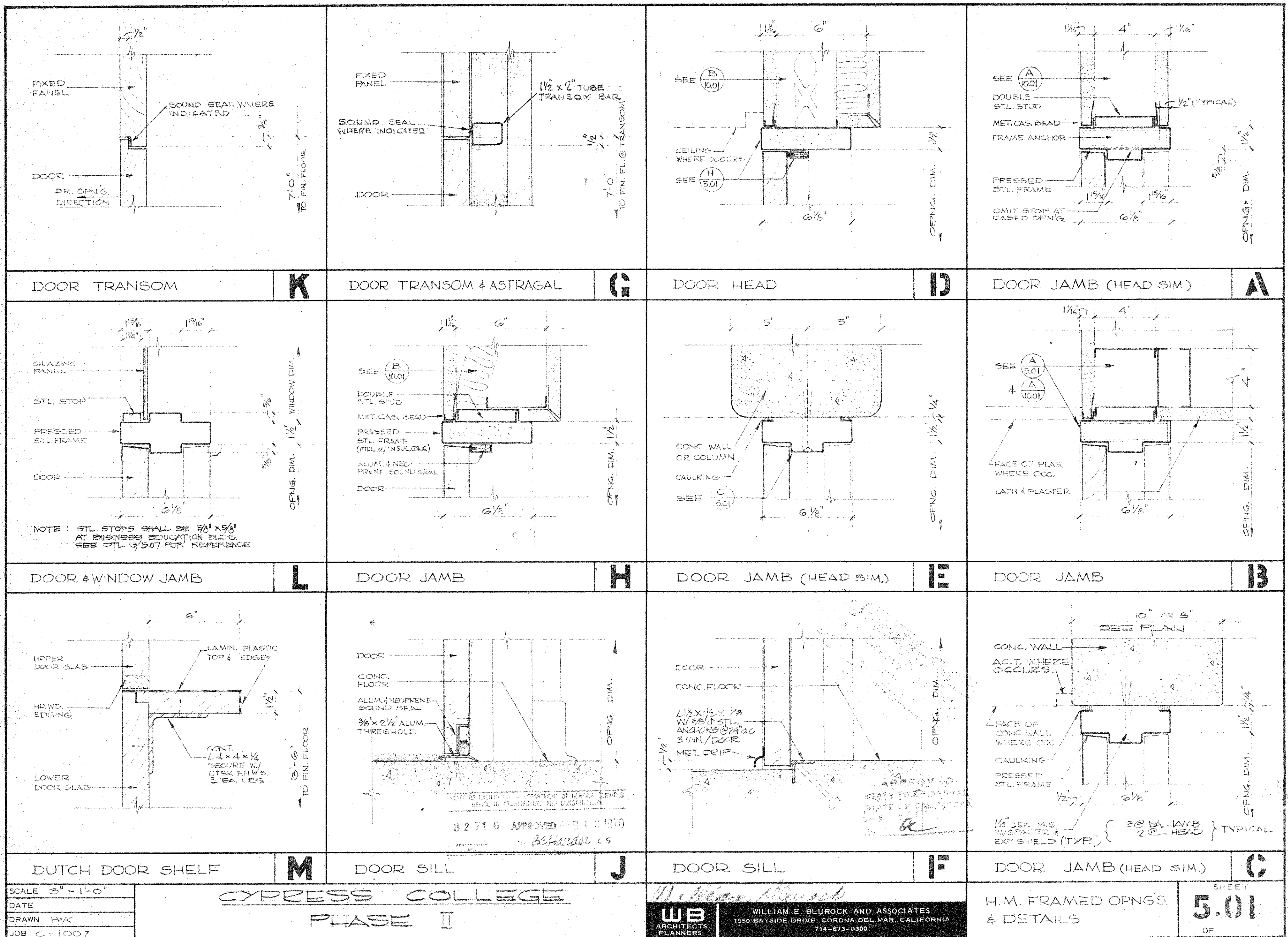
OXYACETYLENE MANIFOLD  
ENCLOSURE REVISIONS

SHEET

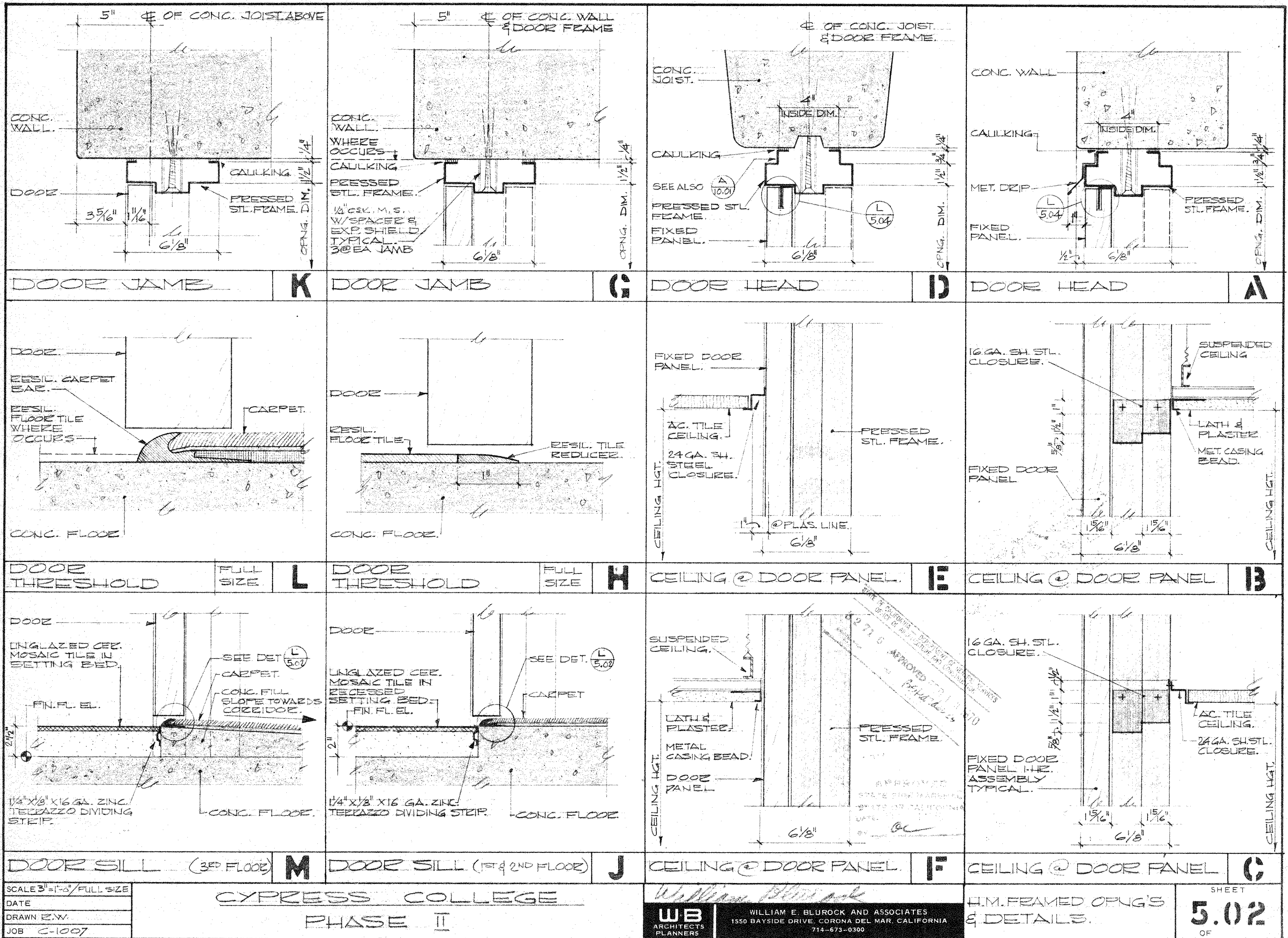
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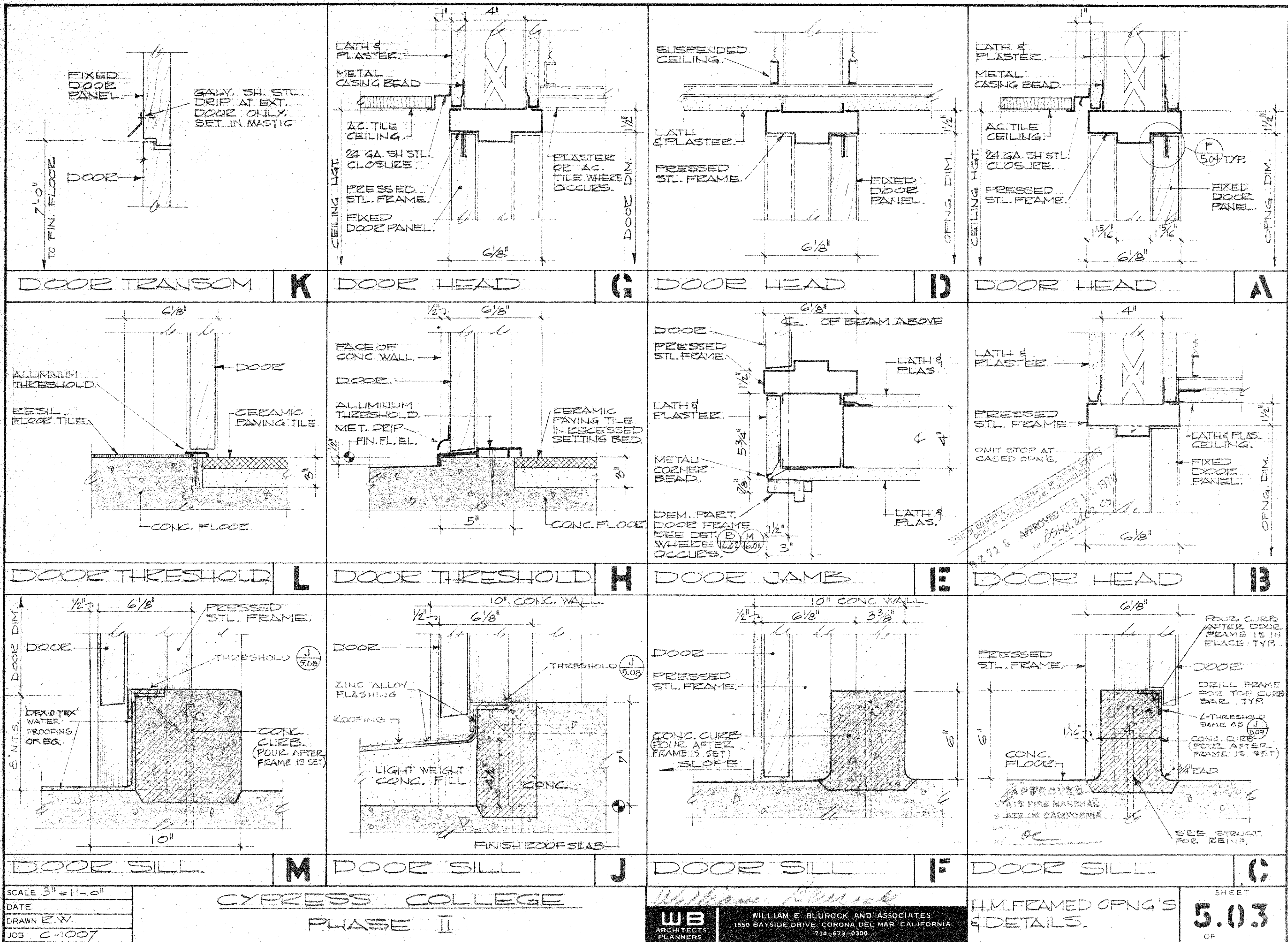
OF

			<h3>TYPICAL NOTES</h3> <ol style="list-style-type: none"> <li>LETTER "X" FOLLOWING TYPE IN DOOR SCHEDULE INDICATES FIXED PANEL ABOVE DOOR LEAF. SCHEDULE DIM. INCLUDES PANEL. ACTIVE HT. 7'-0" UNLESS OTHERWISE NOTED OR SPECIFIED. PANEL SHALL BE OF THE SAME MATERIAL CONSTRUCTION AND THICKNESS AS THE DOOR LEAF IN ONE PIECE WHERE PAIR OF DOORS OCCUR AND SHALL BE PROVIDED BY THE SAME MANUFACTURER UNLESS OTHERWISE NOTED OR SPECIFIED.</li> <li>FIXED PANEL OVER DOOR TO BE FIRE RATED IDENTICAL TO DOOR AS NOTED ON DOOR SCHEDULE WHEN A LABEL IS REQ'D, IT SHOULD BE LOCATED WHERE IT IS READILY VISIBLE AFTER INSTALLATION.</li> <li>SCHEDULED WIDTH IS TOTAL OF BOTH HINGED DOOR LEAVES AND FIXED PANEL OF INACTIVE LEAF. FIXED PANEL OF INACTIVE LEAF SHALL BE OF THE SAME MATERIAL CONSTRUCTION AND THICKNESS AS DOOR LEAF AND SHALL BE PROVIDED BY THE SAME MANUFACTURER UNLESS OTHERWISE NOTED OR SPECIFIED.</li> <li>LOUVER SIZE AND LOCATIONS ARE NOTED IN DOOR SCHEDULES UNDER REMARKS.</li> <li>DOORS SHALL BE 1 3/4" THICK UNLESS OTHERWISE NOTED OR SPECIFIED.</li> <li>SEE DETAILS (F 504) (M 504) FOR ATTACHMENT OF FIXED PANELS ABOVE DOORS</li> <li>WOODEN DOOR STILES AND TOP &amp; BOTTOM RAILS SHALL BE MINIMUM 1 1/2" HARDWOOD. FIXED PANELS OVER DOORS SAME CONSTRUCTION</li> </ol>
<p>HOLLOW CORE DOOR</p> <p><b>G</b></p>  <p>LAMINATED PLASTIC BOTH FACES</p>	<p>SOLID CORE* DUTCH DOOR</p> <p><b>D</b></p>  <p>1/4" WIRE GLASS SET IN METAL STOPS.</p>	<p>SOLID CORE DOOR</p> <p><b>A</b></p>  <p>SCHEDULED DIMENSION</p>	
<p>PLASTIC FACED DOOR</p> <p><b>H</b></p>  <p>1/4" CLEAR TEMPERED LG GLASS</p>	<p>SOLID CORE DOOR</p> <p><b>E</b></p>  <p>DOUBLE GLAZING AT BLDG. "B" ONLY 1/4" WIRE GLASS SET IN MET. STOPS ACTIVE LEAF. INACTIVE LEAF.</p>	<p>SOLID CORE DOOR</p> <p><b>B</b></p>  <p>SCHEDULED DIMENSION</p>	<p>APPROVED FOR THE BOARD OF SUPERVISORS COUNTY OF SAN DIEGO DATE: 11/10/07 BY: [Signature] 32715 APPROVED FOR THE BOARD OF SUPERVISORS COUNTY OF SAN DIEGO DATE: 11/10/07 BY: [Signature]</p>
<p>STEEL DOOR</p> <p><b>J</b></p>	<p>SOLID CORE DOOR</p> <p><b>F</b></p>	<p>SOLID CORE DOOR</p> <p><b>C</b></p>	

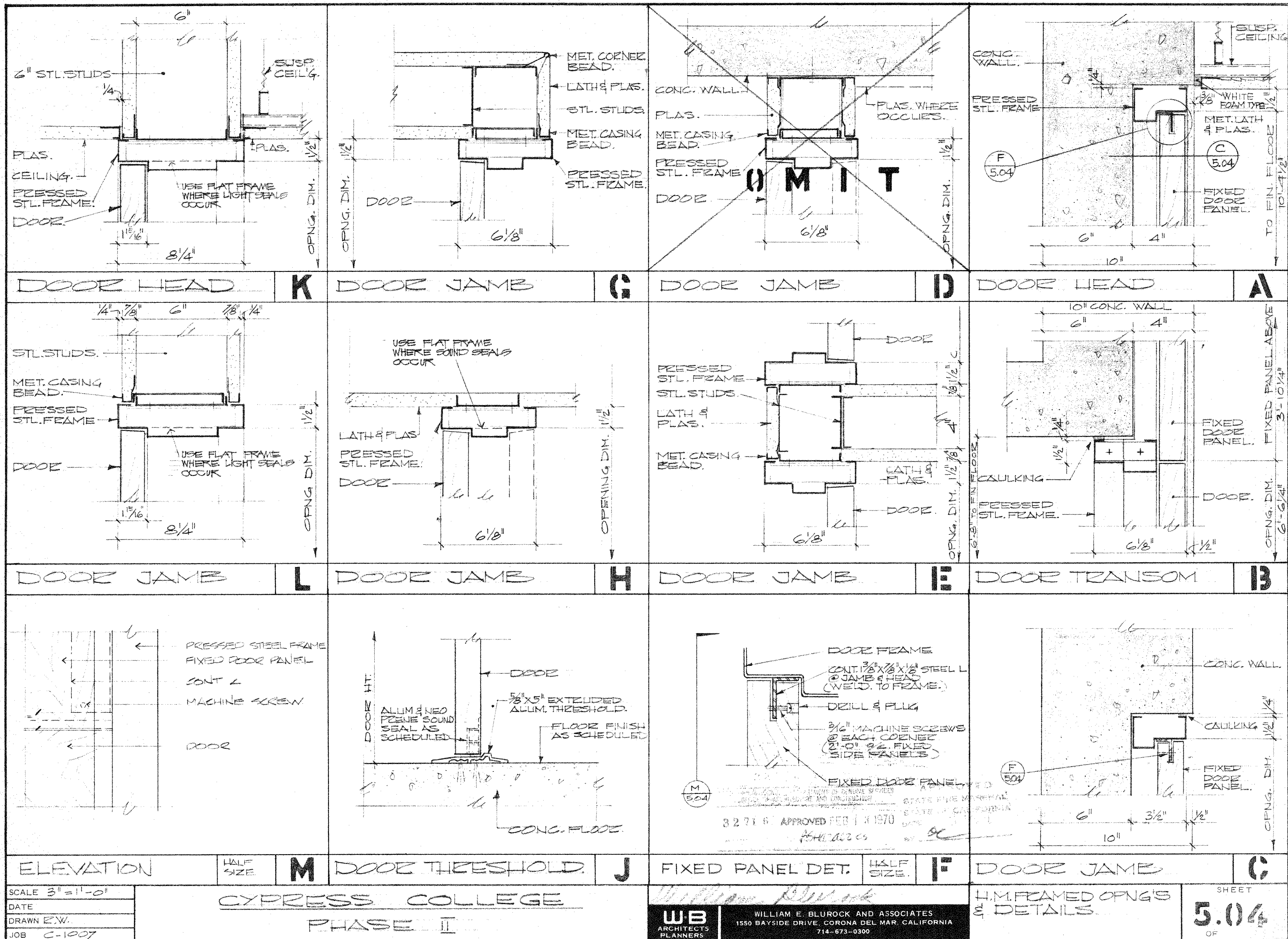


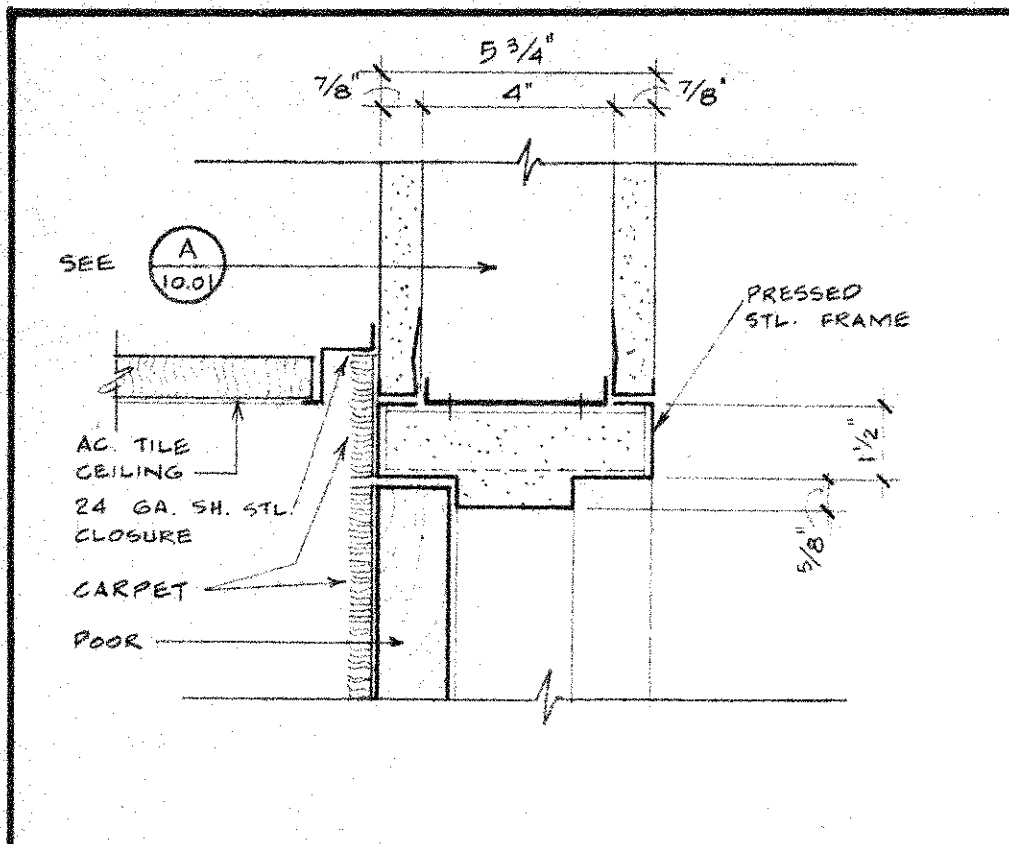






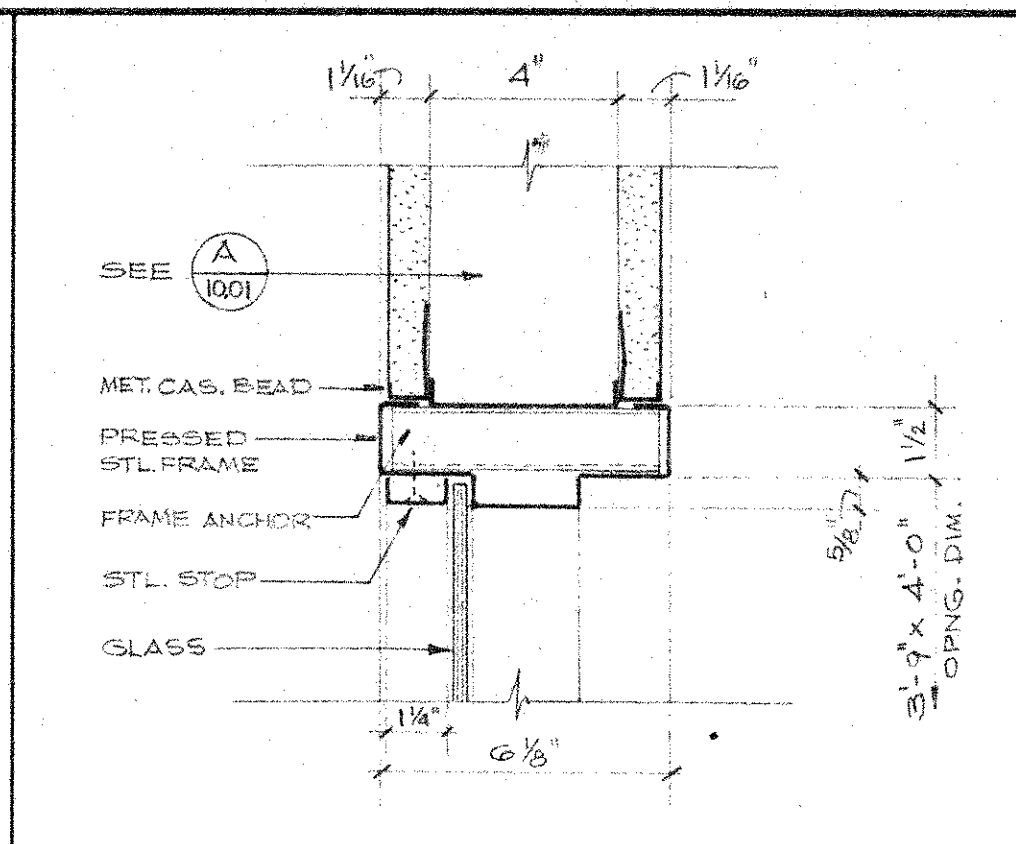






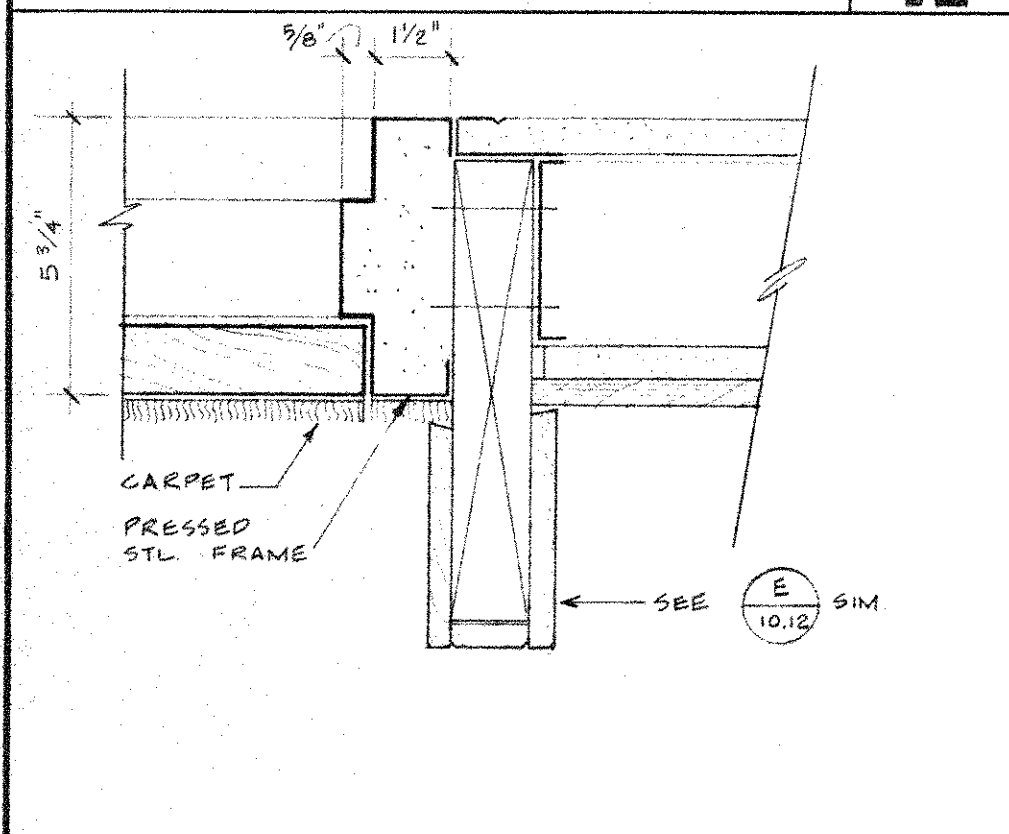
DOOR HEAD (SILL SIM.)

**E**



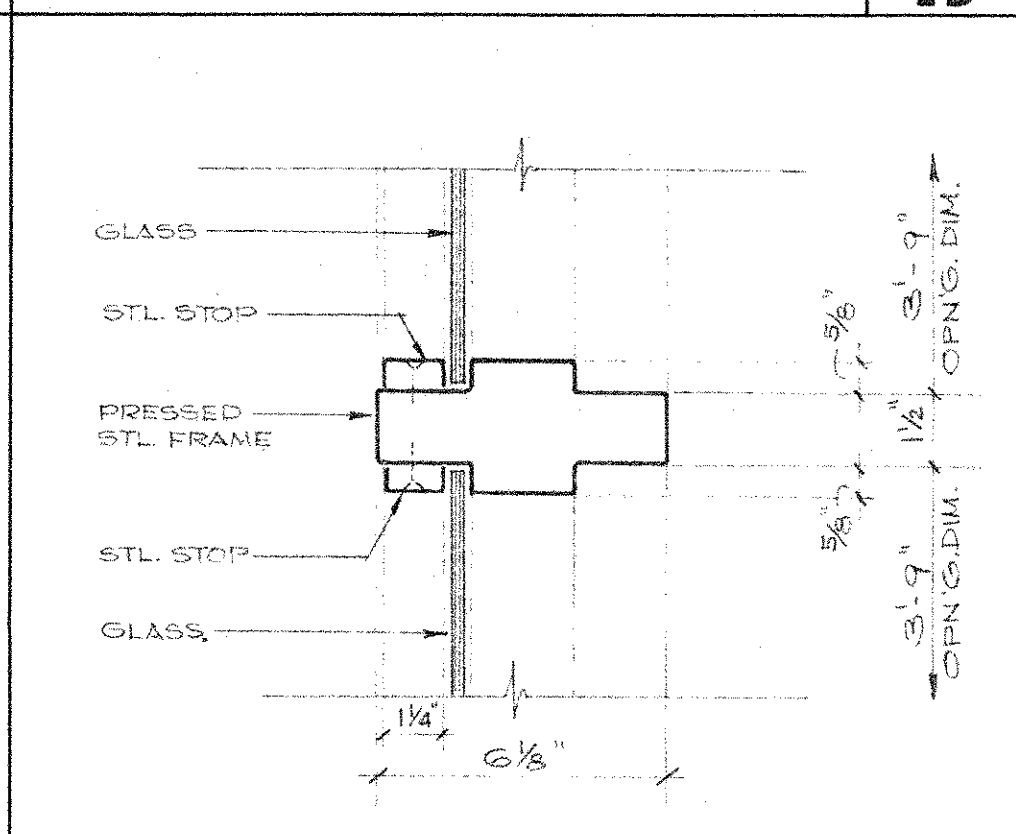
WINDOW JAMB (HEAD & SILL SIM.)

**B**



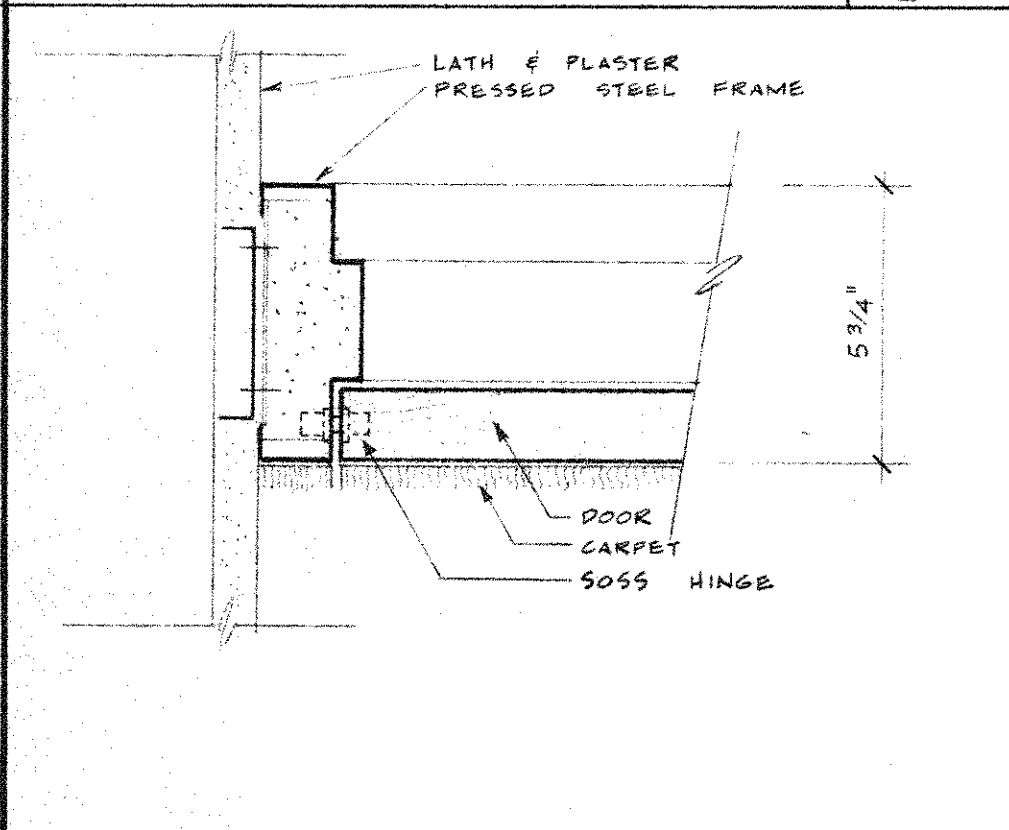
DOOR JAMB @ MULLION

**F**



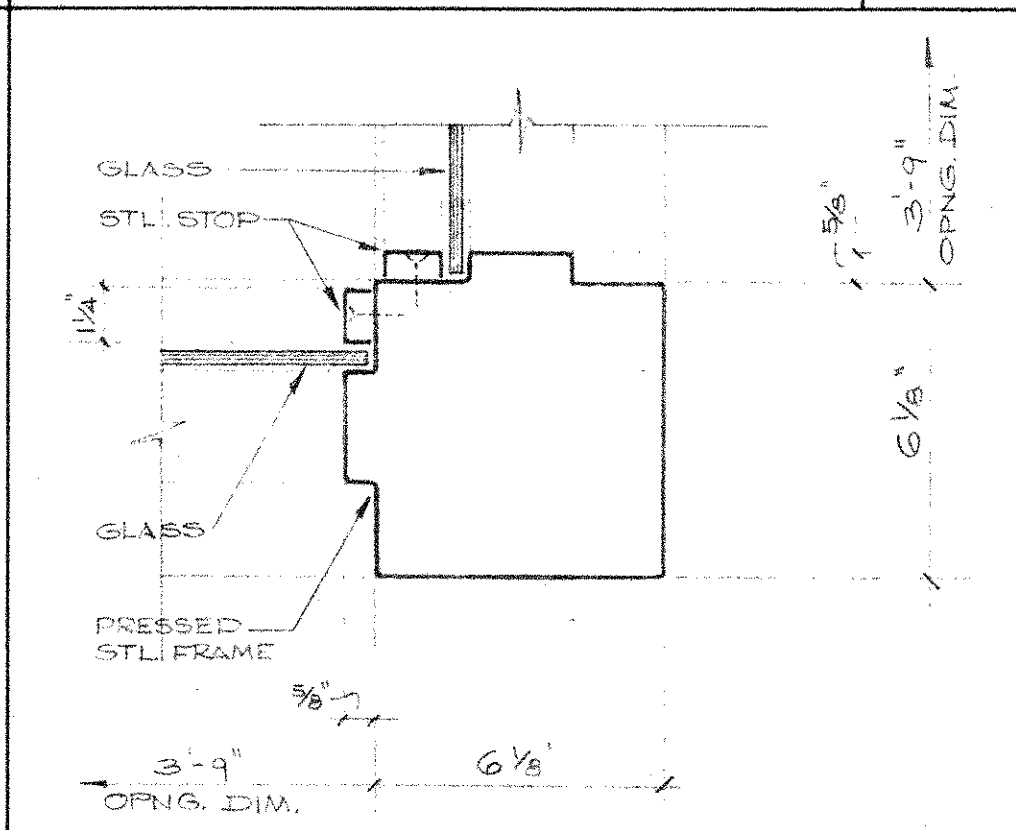
WINDOW MULLION

**C**



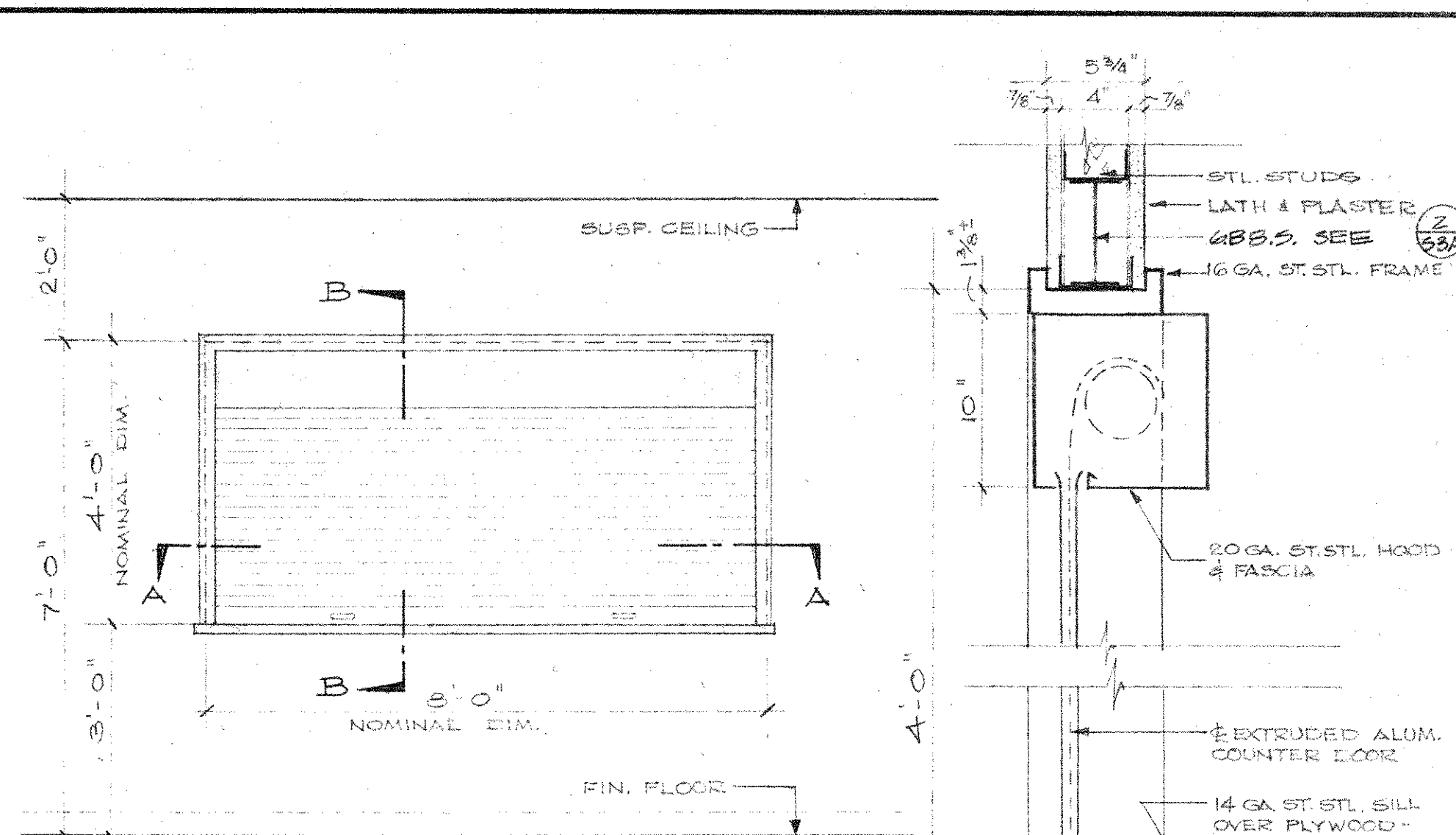
DOOR JAMB @ WALL

**G**

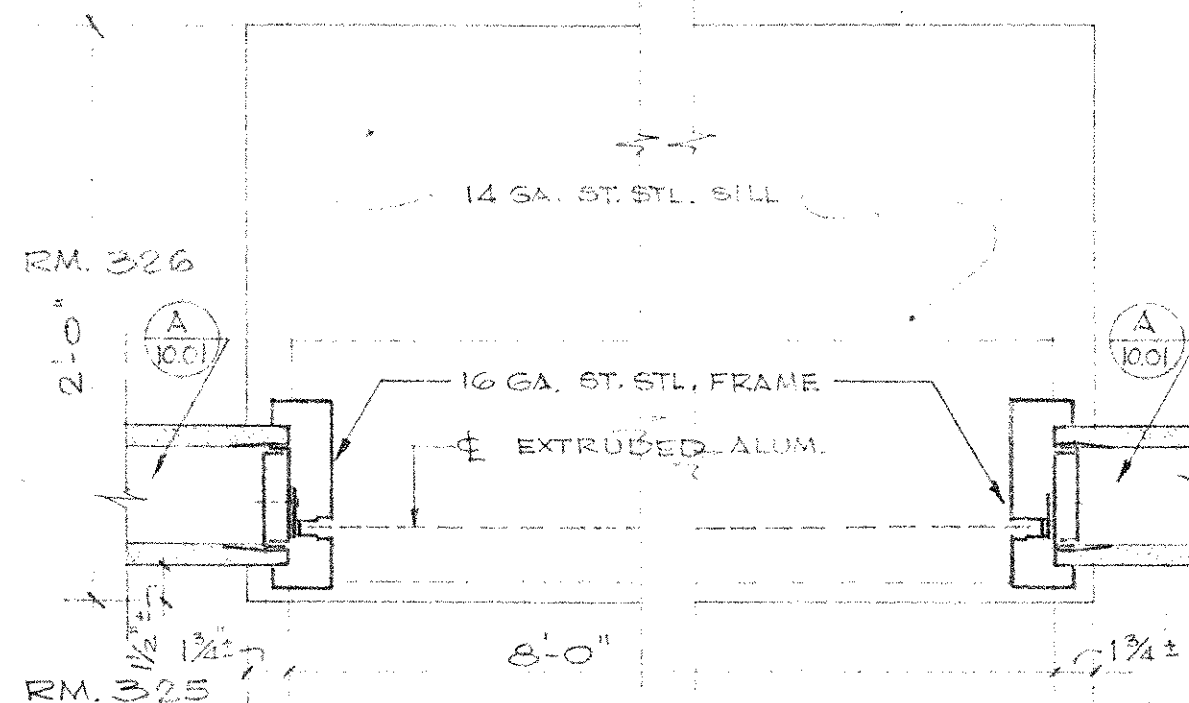


WINDOW CORNER MULLION

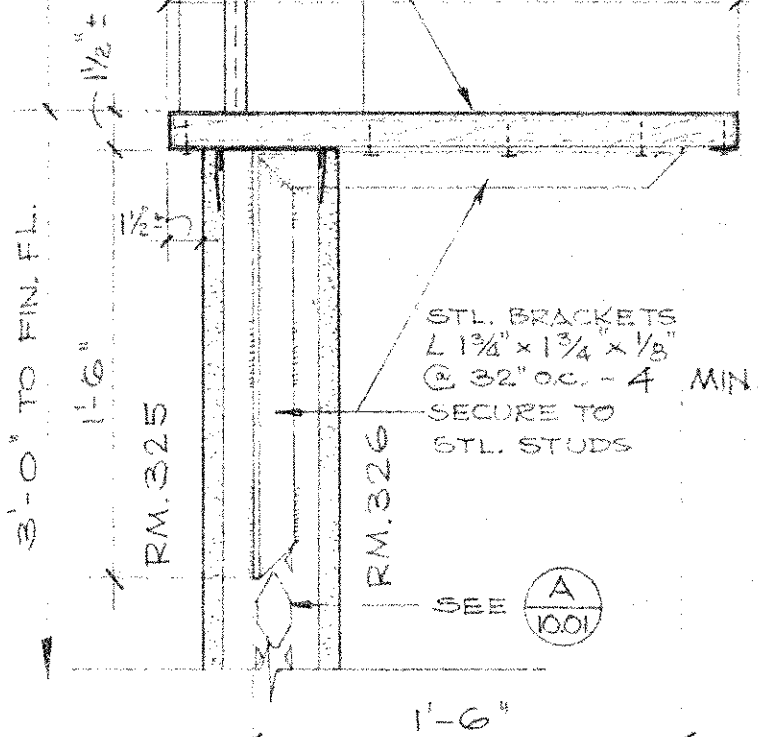
**D**



ELEVATION  
SCALE 1/2\"/>



PLAN SECTION A-A  
SCALE 1/2\"/>



SECTION B-B  
SCALE 1/2\"/>

**NOTE:**  
PUSH-UP DOOR TO BE  
STANDARD PREFINISHED  
MANUFACTURER'S ALUMINUM  
COUNTER DOOR WITH  
STAINLESS STEEL FRAME  
AND MODIFIED COUNTER AS SHOWN.

PUSH-UP DOOR AT RM. 325 & 326 OF BLDG. "A"

**A**

SCALE AS NOTED  
DATE  
DRAWN PK  
JOB C-1007

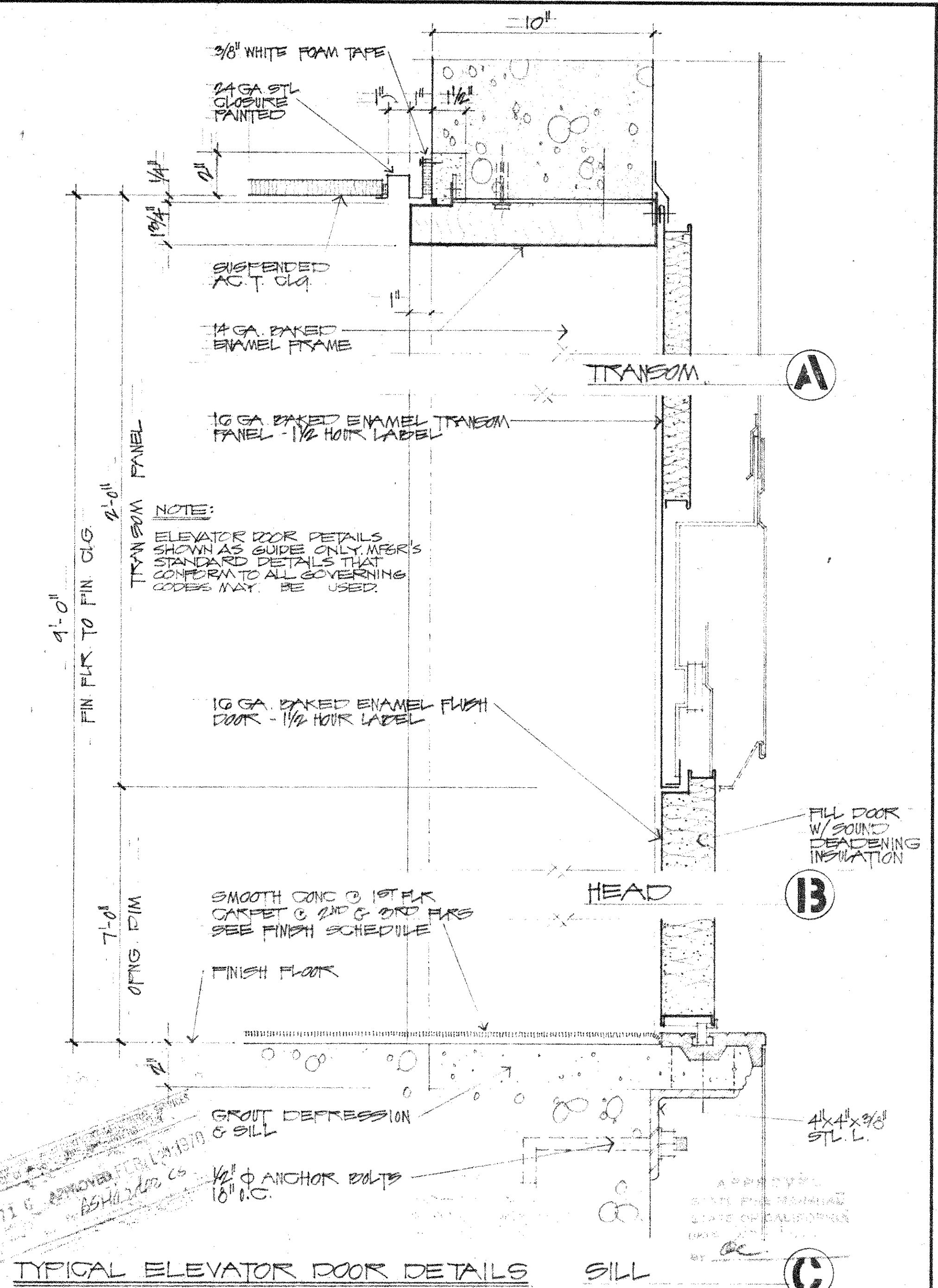
CYPRESS COLLEGE  
PHASE II

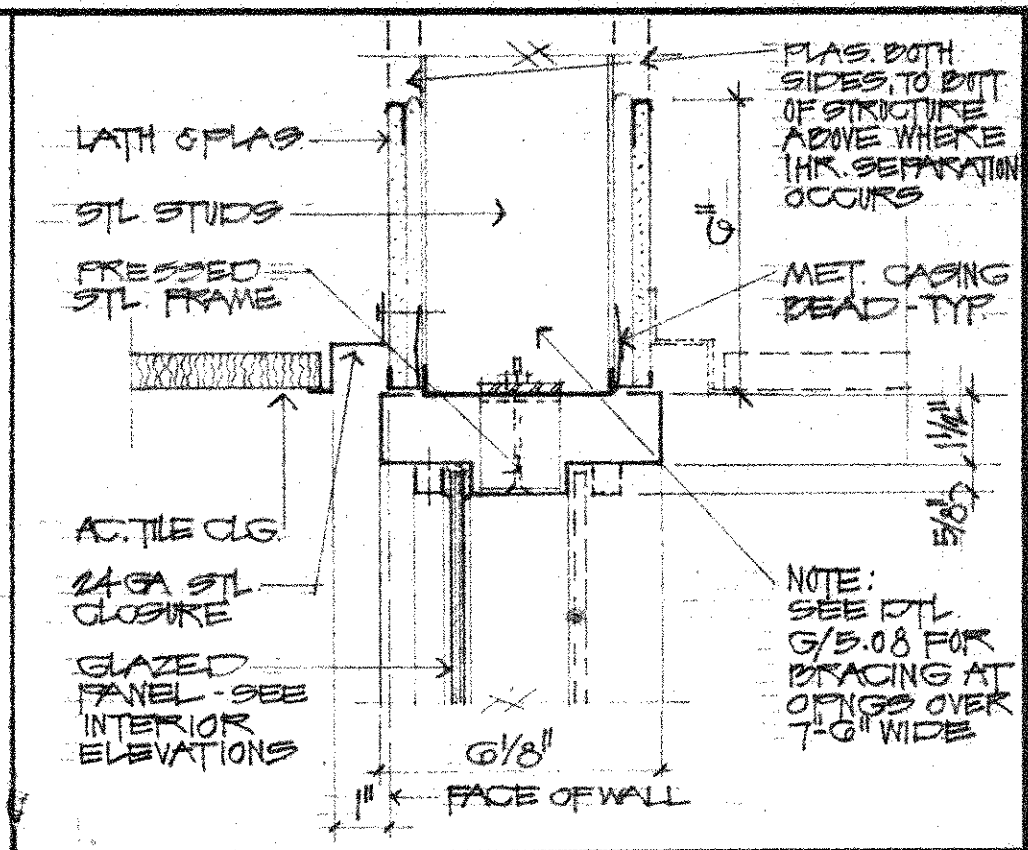
William E. Blurock  
W.B. ARCHITECTS  
PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

H.M. FRAMED OPNG'S.  
& DETAILS

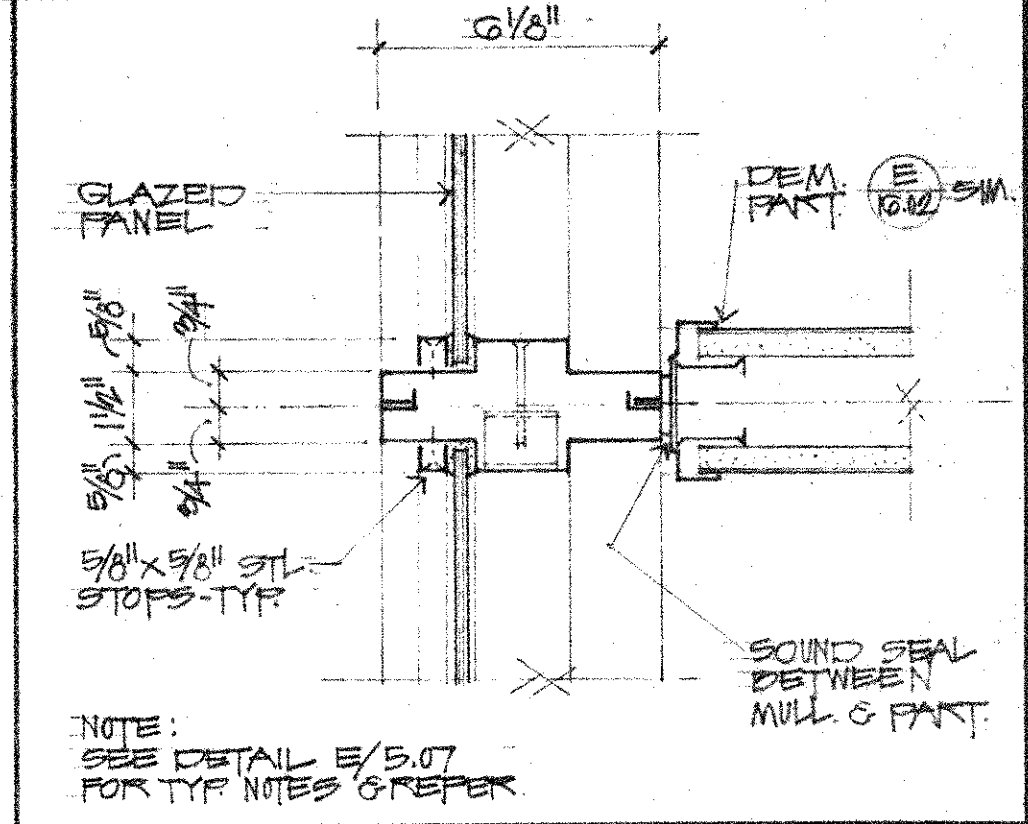
SHEET  
**5.05**  
OF



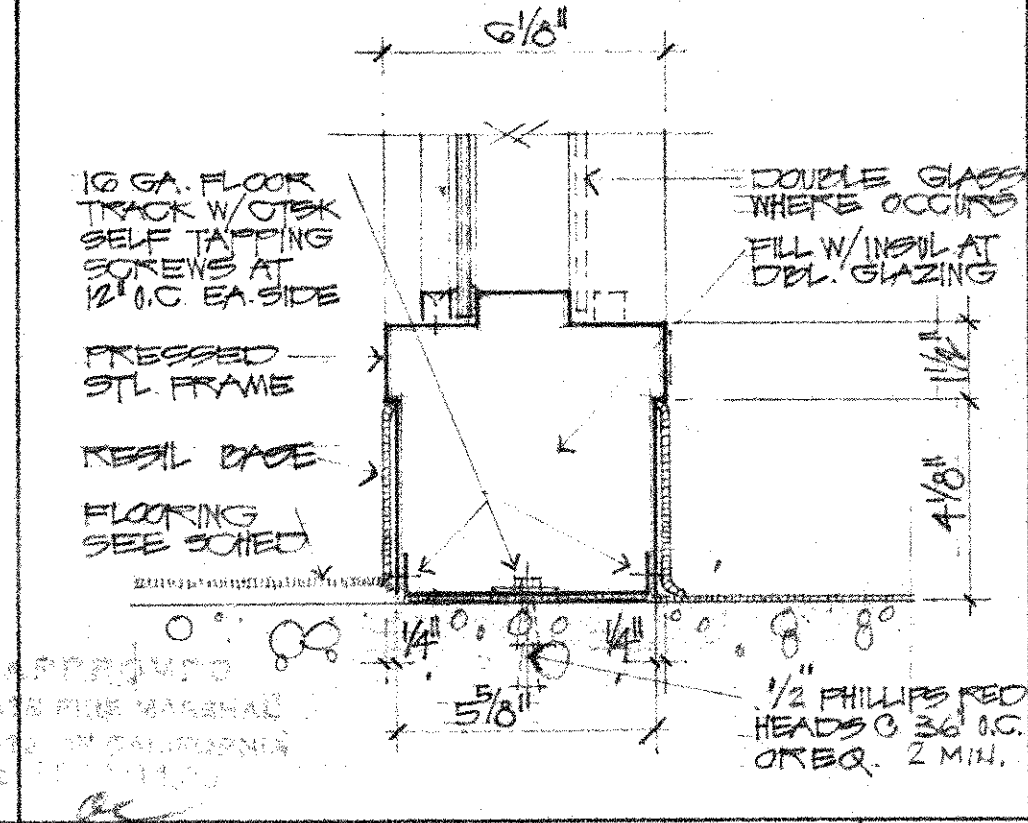




HEAD	A
------	---

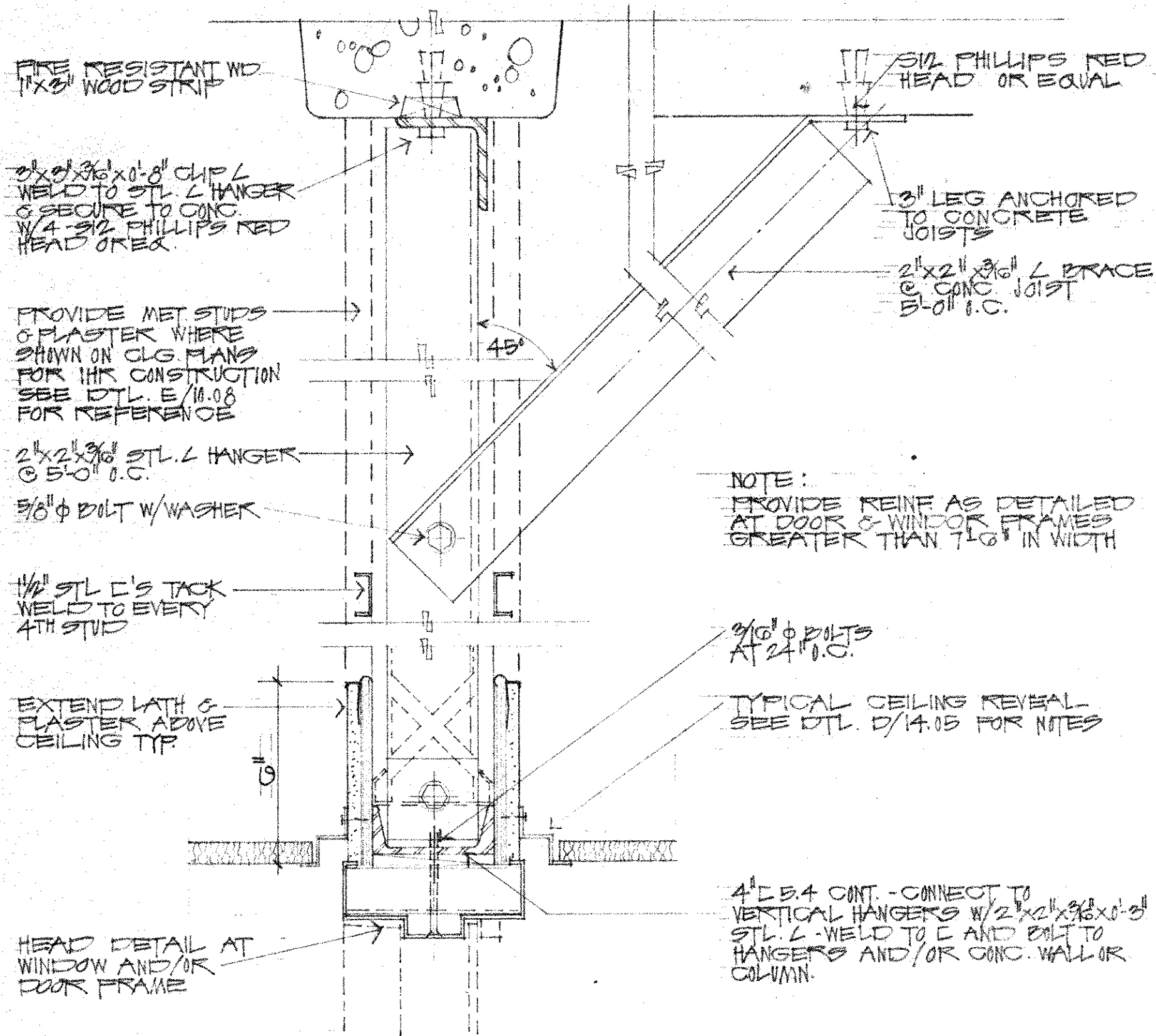


MULLION & PARTITION	<b>B</b>
---------------------	----------



BASE	C
------	---

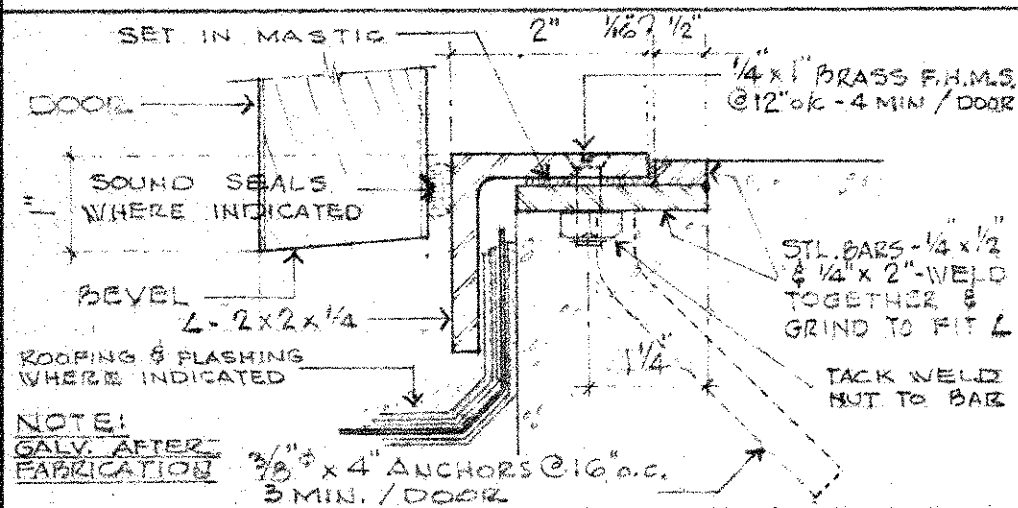




DOOR, WINDOW FRAME AND PARTITION BRACE

SCALE  
3/4"=1'-0"

G

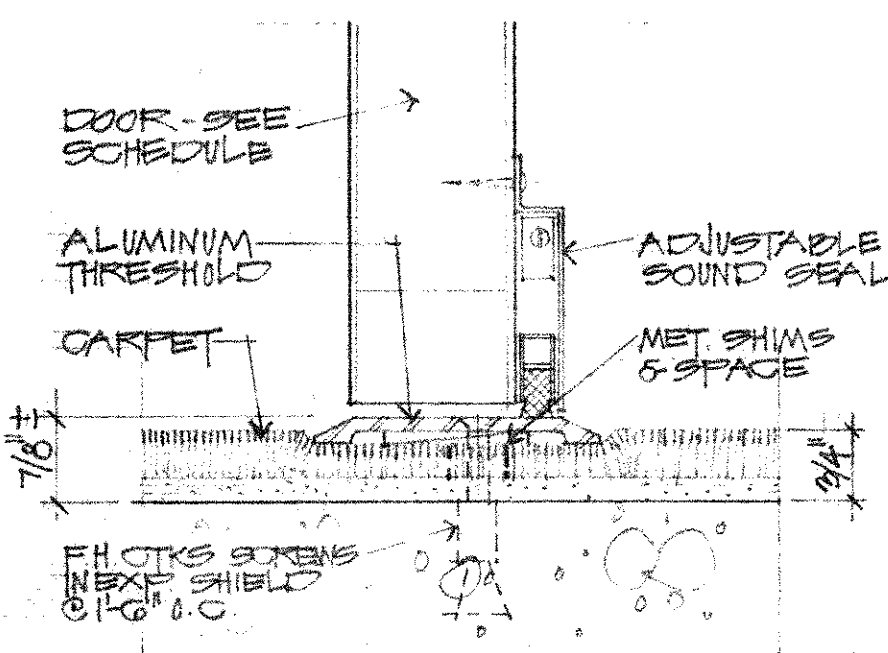


THRESHOLD

SCALE  
1/2"=1'-0"

J

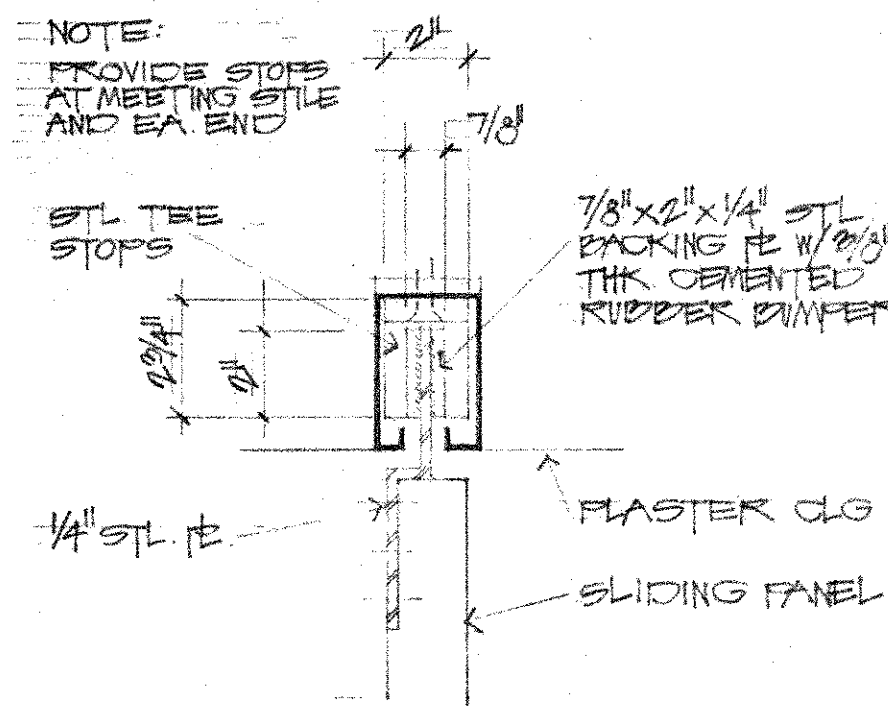
STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
 OFFICE OF ARCHITECTURE AND CONSTRUCTION  
 B2716 APPROVED FEB 13 1970  
 R. H. BLUMBERG



THRESHOLD

SCALE  
3/4"=1'-0"

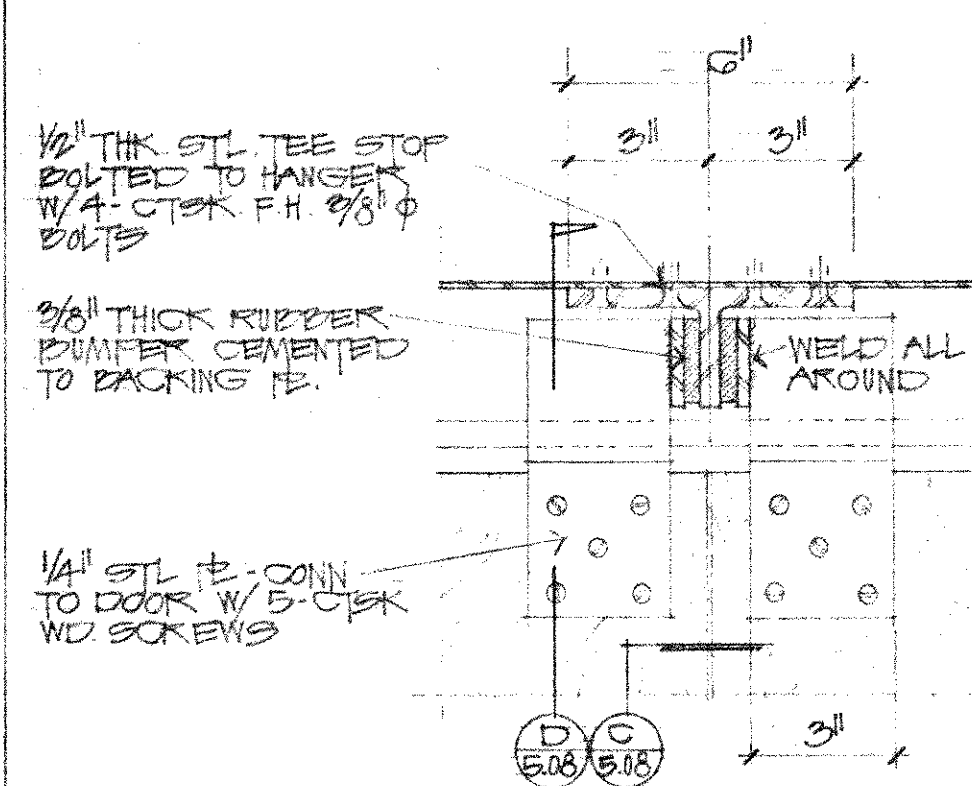
H



HEAD - SECTION

SCALE  
3/4"=1'-0"

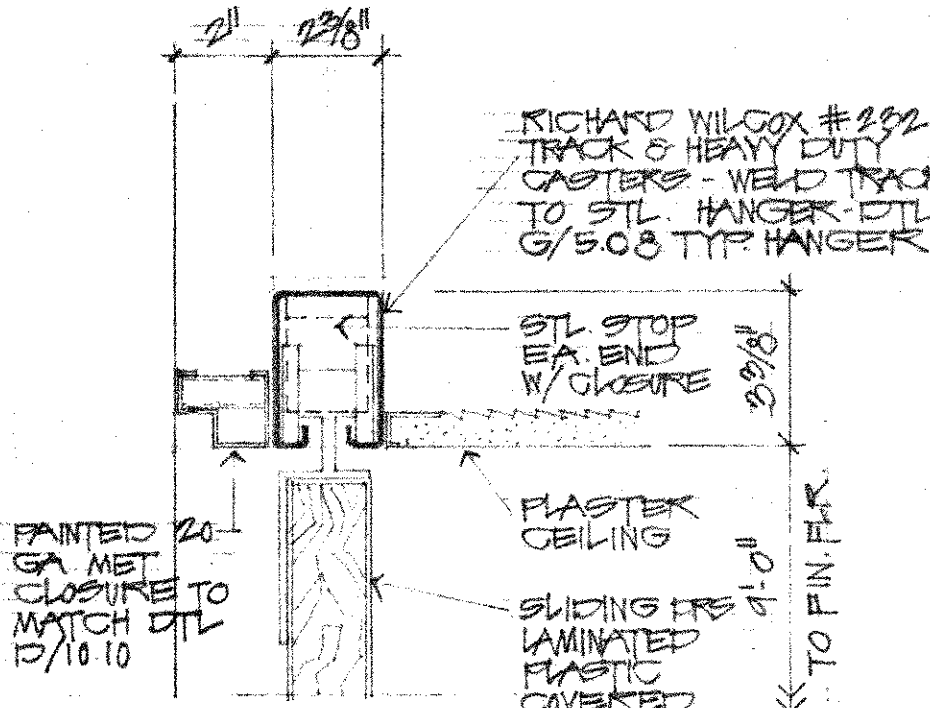
D



SLIDING DOOR STOP

SCALE  
3/4"=1'-0"

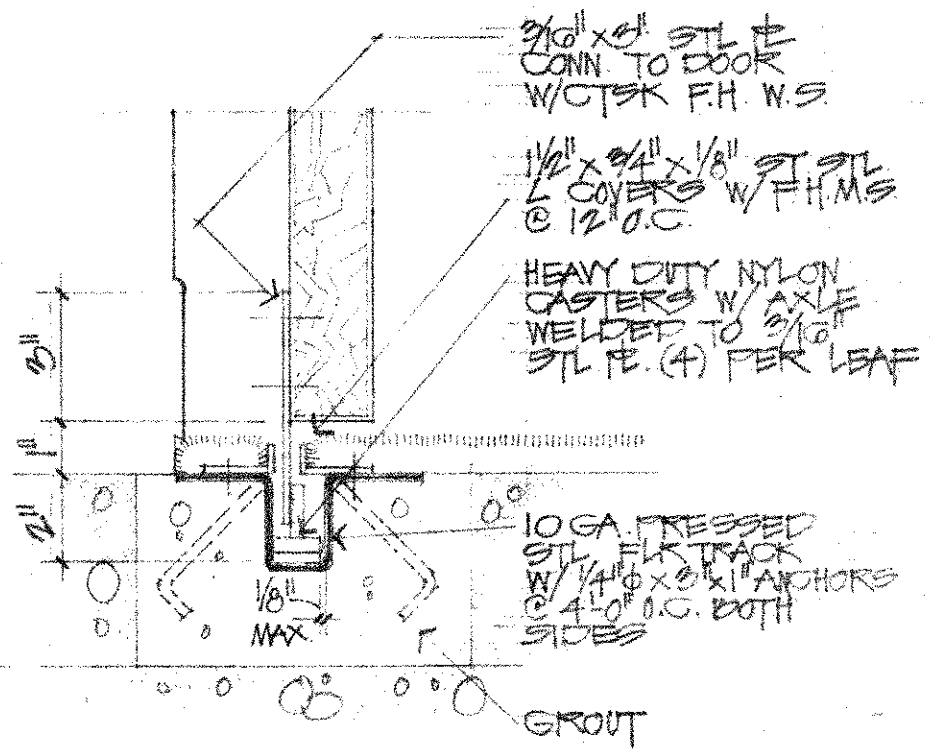
E



SLIDING DOOR HEAD

SCALE  
3/4"=1'-0"

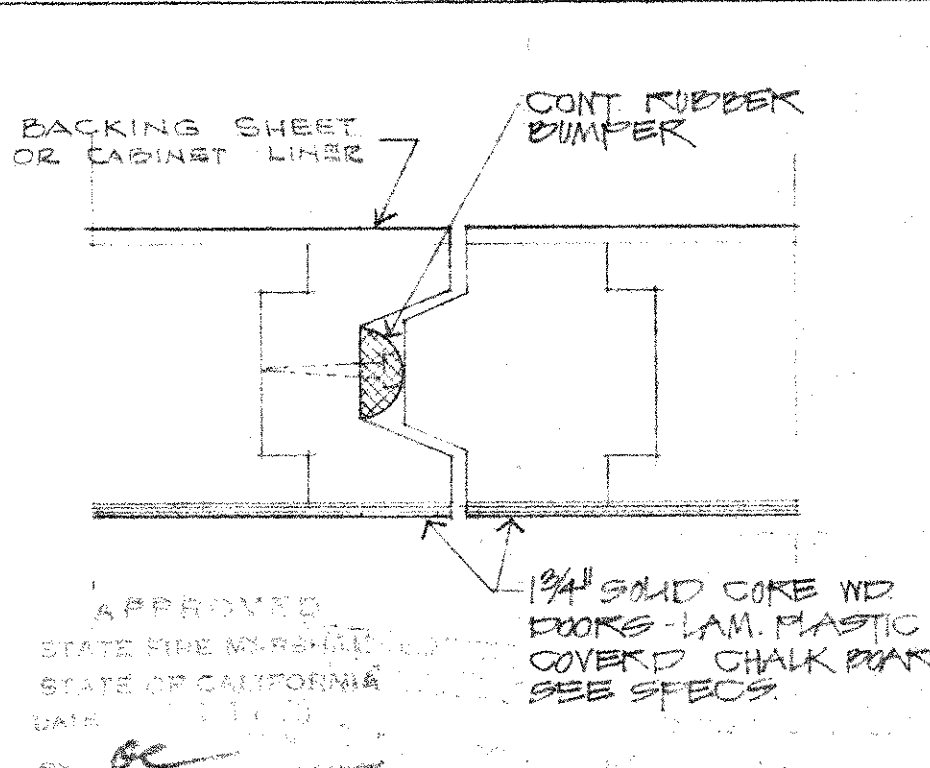
A



SLIDING DOOR SILL

SCALE  
3/4"=1'-0"

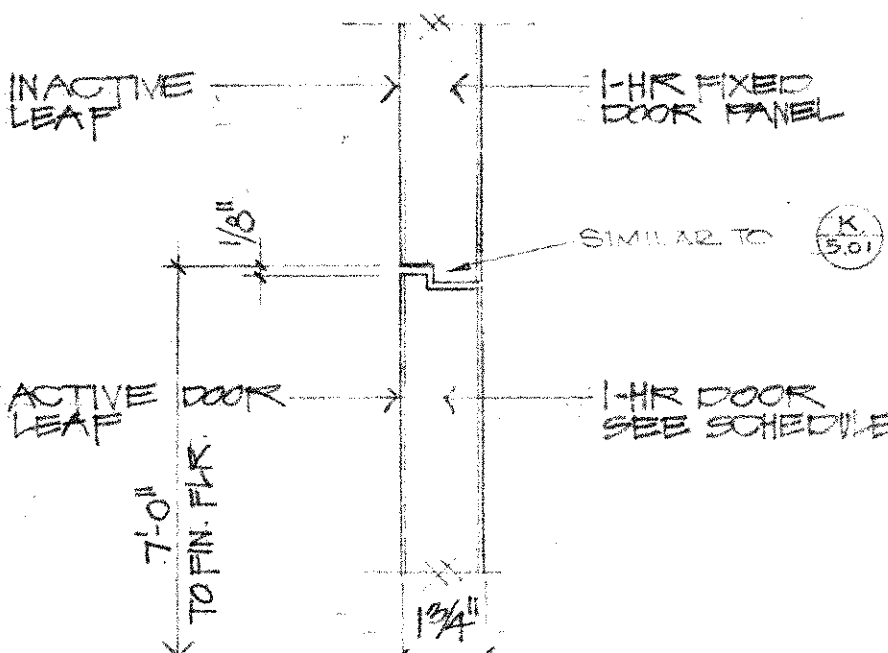
B



MEETING STILES

SCALE  
3/4"=1'-0"

C



TRANSOM & ASTRAGAL

SCALE  
3/4"=1'-0"

F

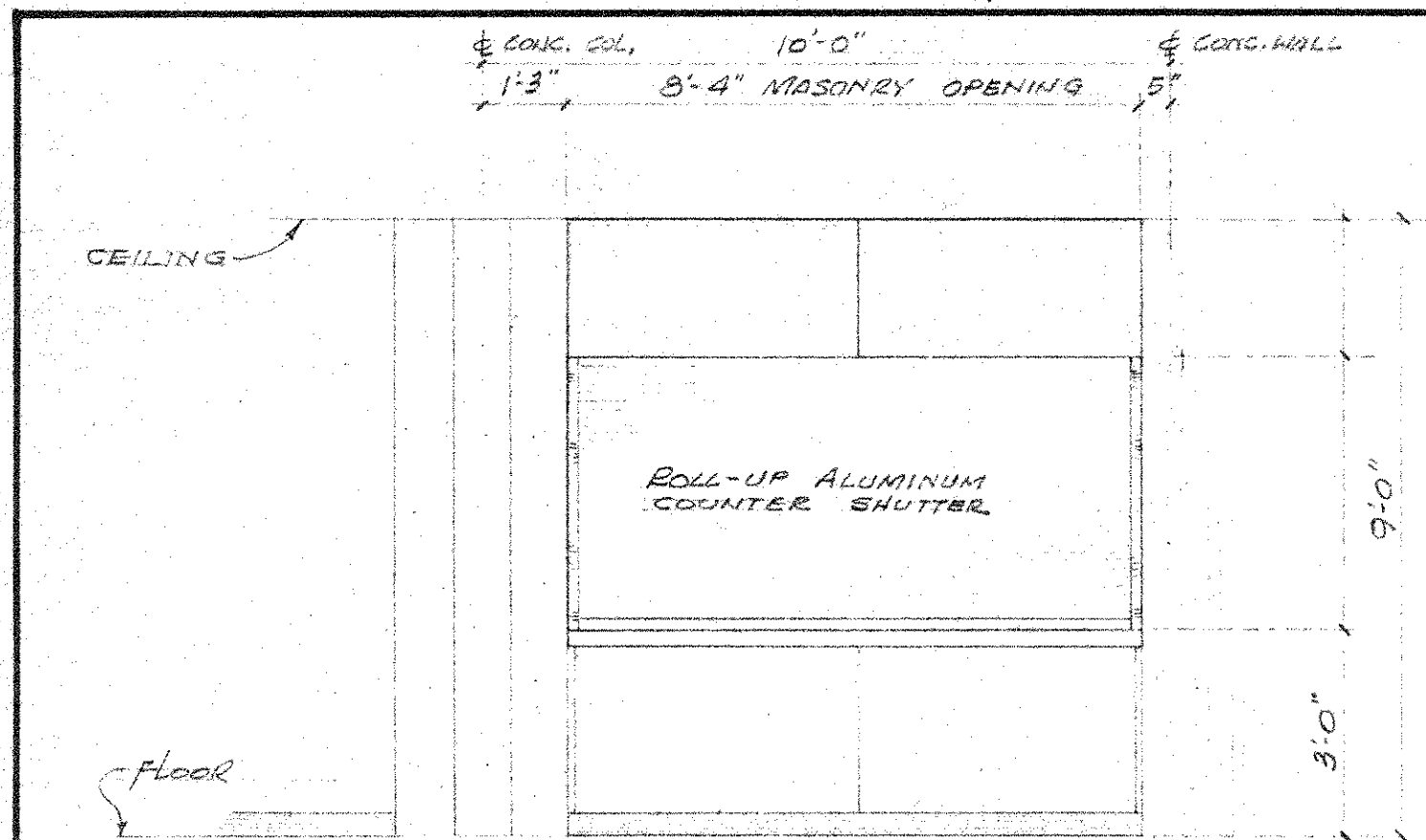
SCALE AS NOTED  
 DATE  
 DRAWN BY: SUND  
 JOB: C-1007

CYPRESS COLLEGE  
 PHASE II

William Blumberg  
 WILLIAM E. BLUMBERG AND ASSOCIATES  
 1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
 714-673-0300  
 WB  
 ARCHITECTS  
 PLANNERS

H.M. FRAMED OPENINGS  
 AND DETAILS

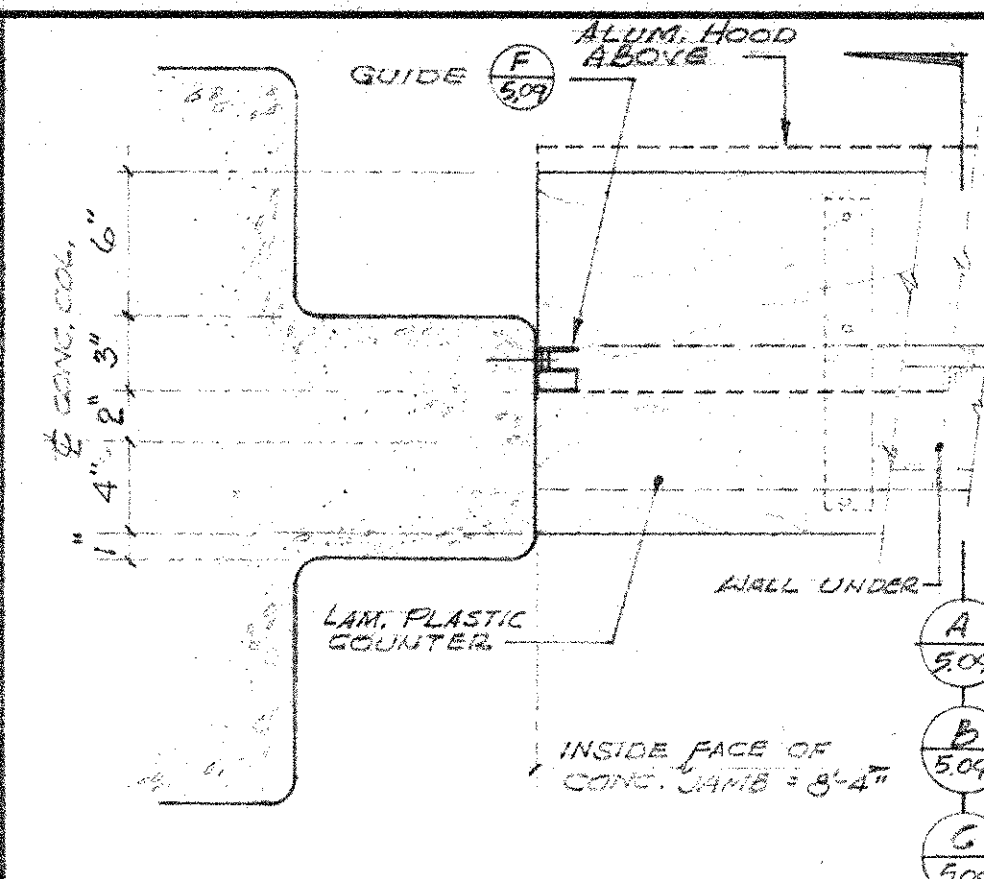
SHEET  
 5.08  
 OF



ELEVATION ROOM 224

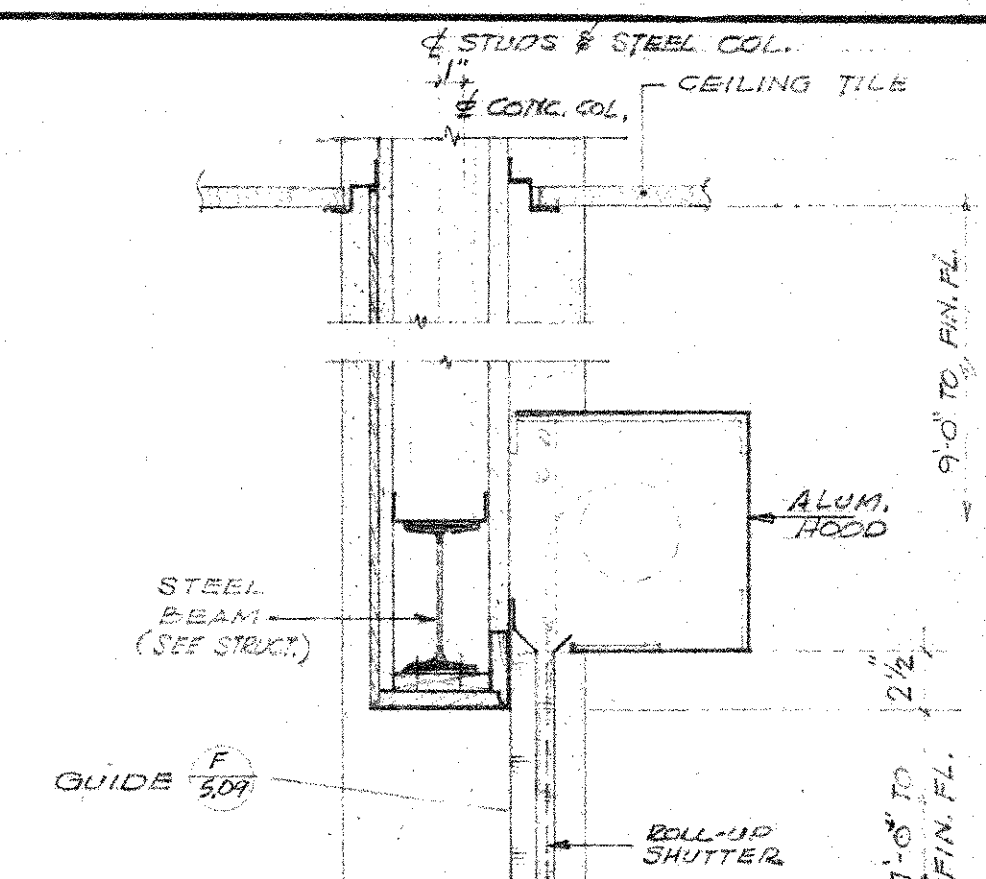
SCALE 3/8" = 1'-0"

C



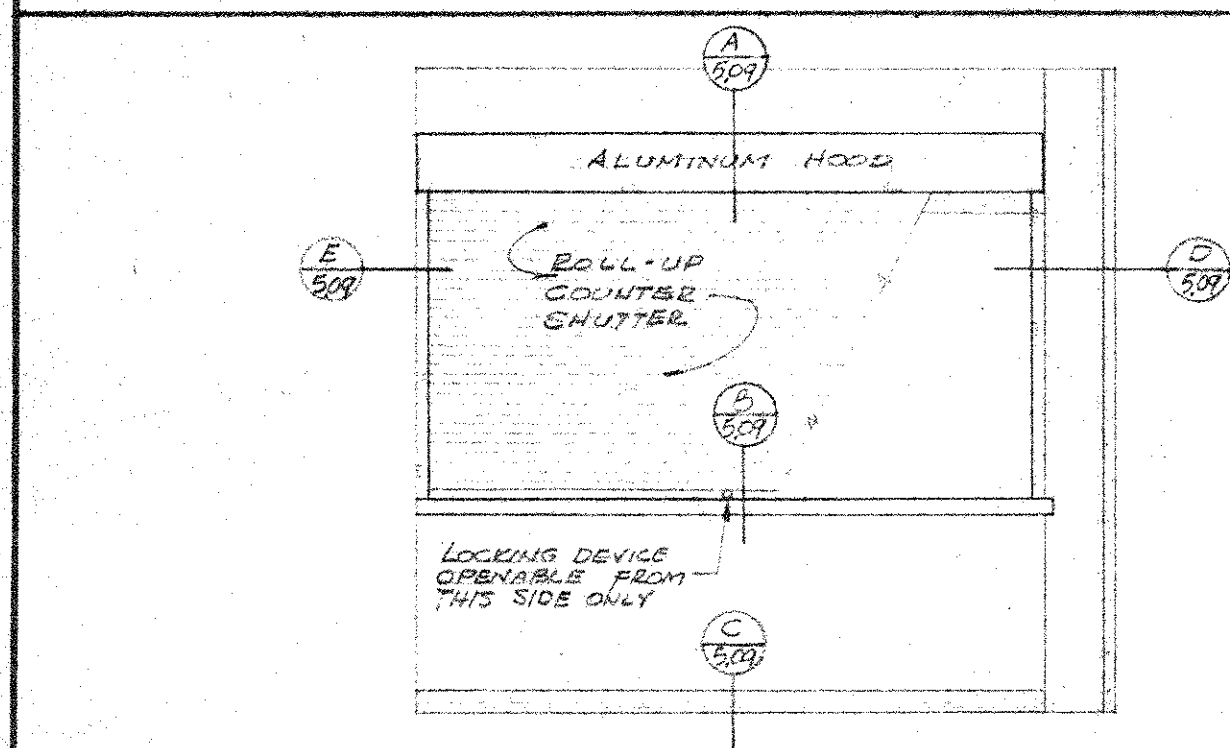
JAMB

D



HEAD

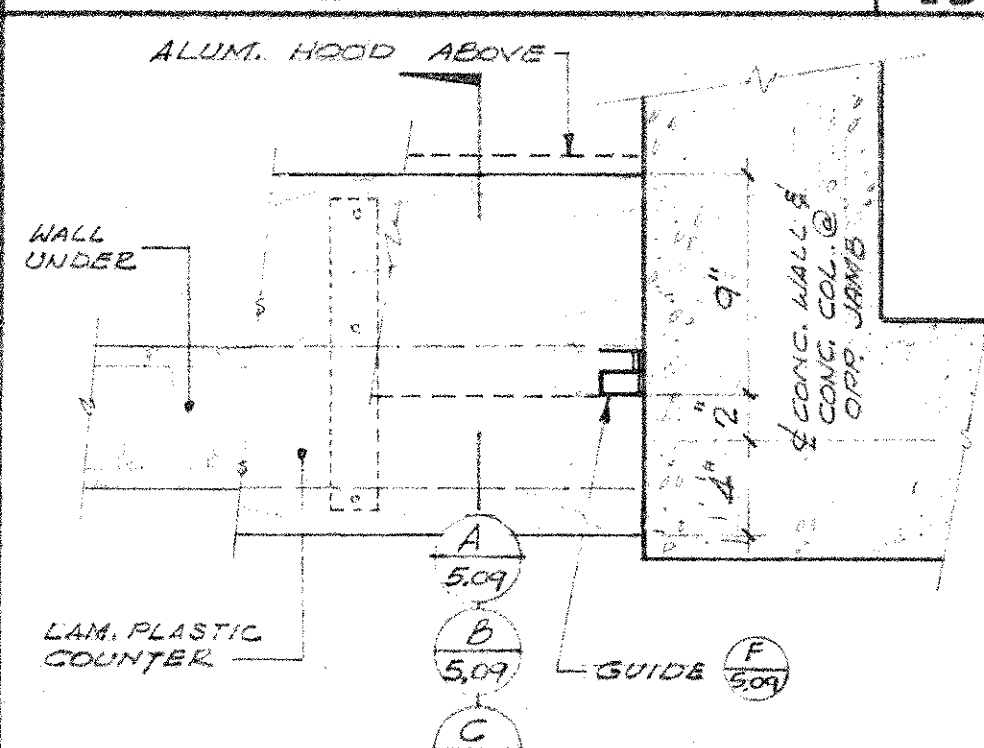
A



ELEVATION ROOM 214

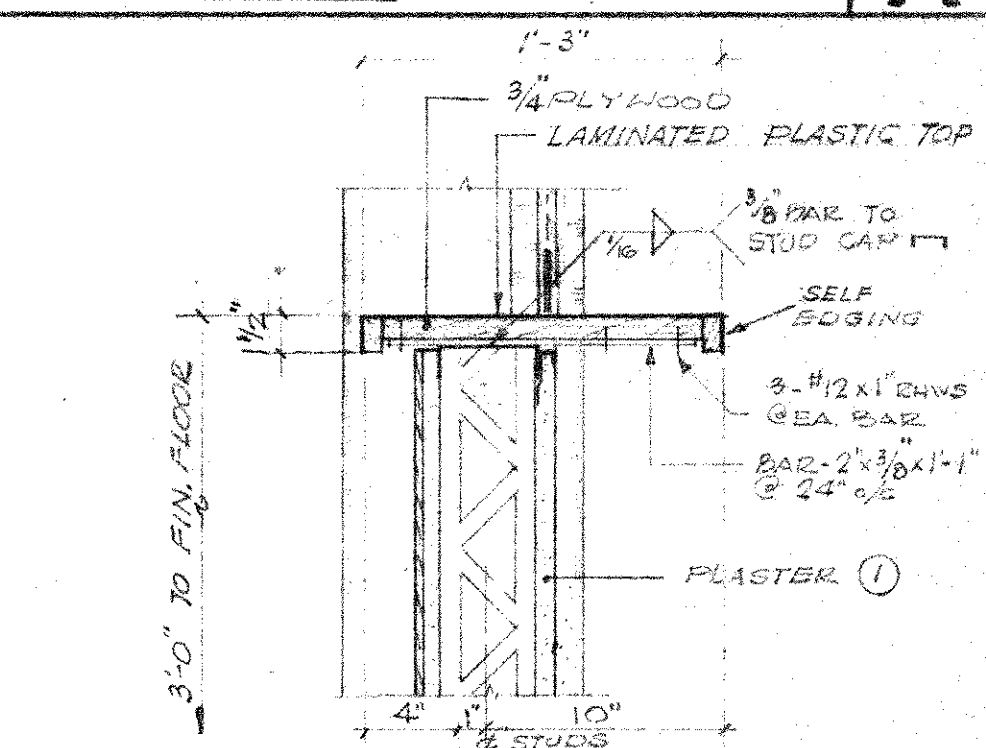
SCALE 3/8" = 1'-0"

H



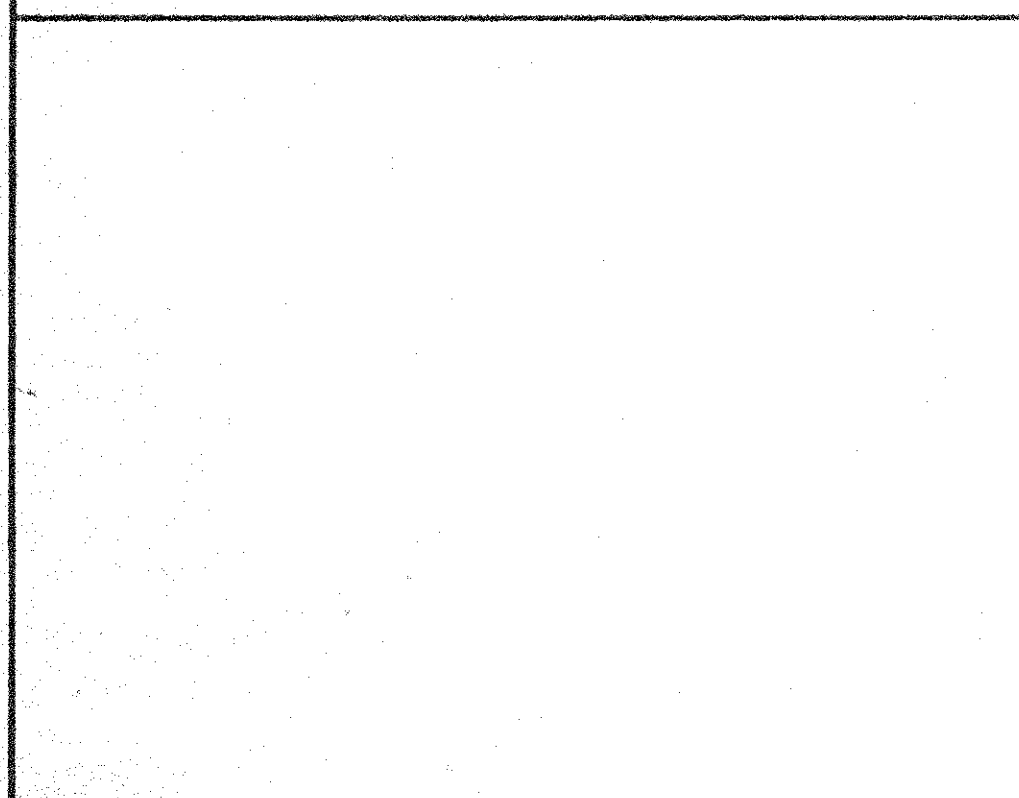
JAMB

E



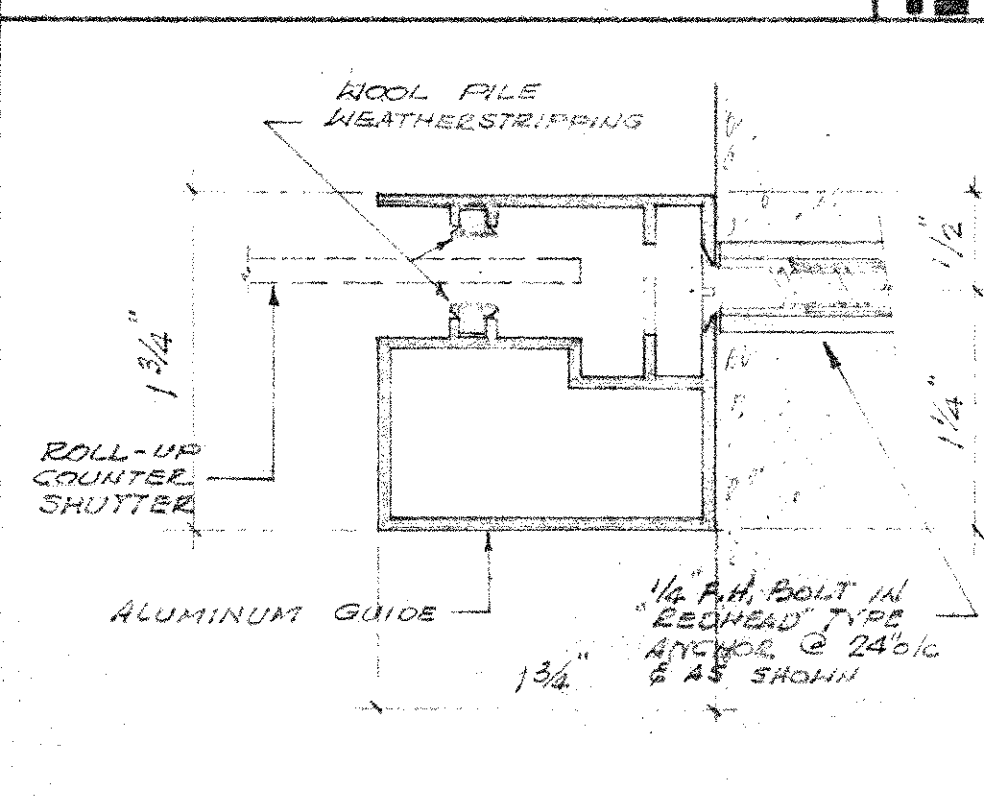
COUNTER

B



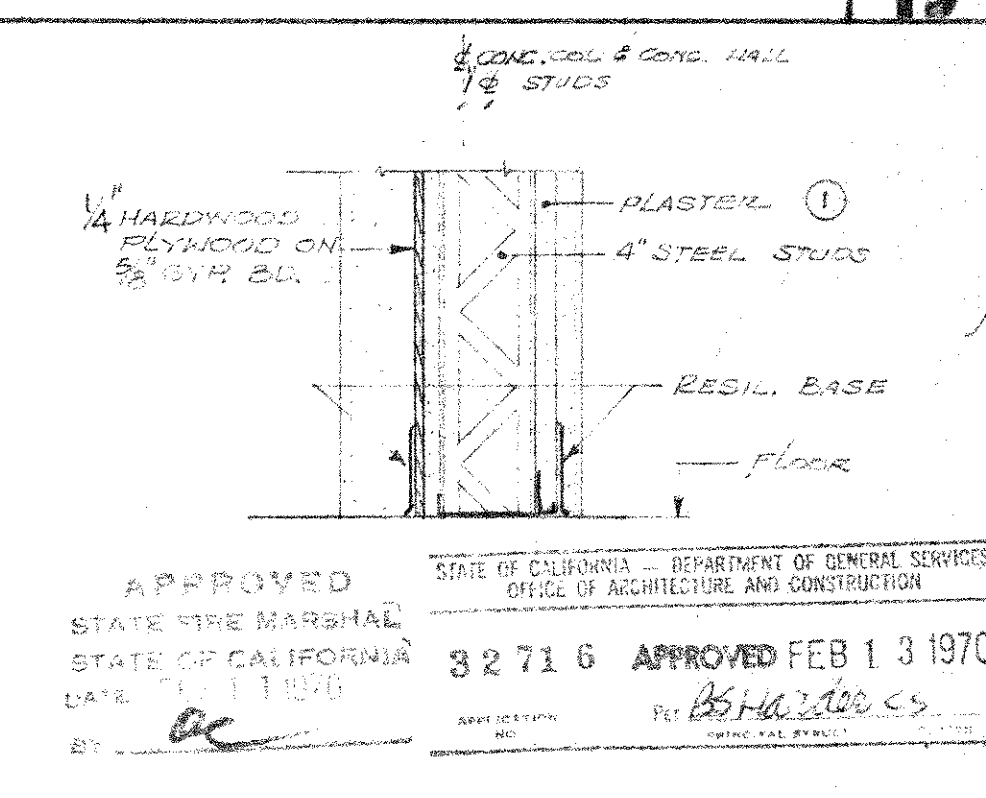
DOOR SILL

J



GUIDE & JAMB

F



BASE

C

SCALE 3/8" = 1'-0"  
DATE  
DRAWN  
JOB



WILLIAM E. BLUROCK & ASSOCIATES  
CAUDILL ROWLETT SCOTT  
associated architects  
1550 BAYSIDE DR. CORONA DEL MAR 714 673 0300

CYPRESS JUNIOR COLLEGE  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

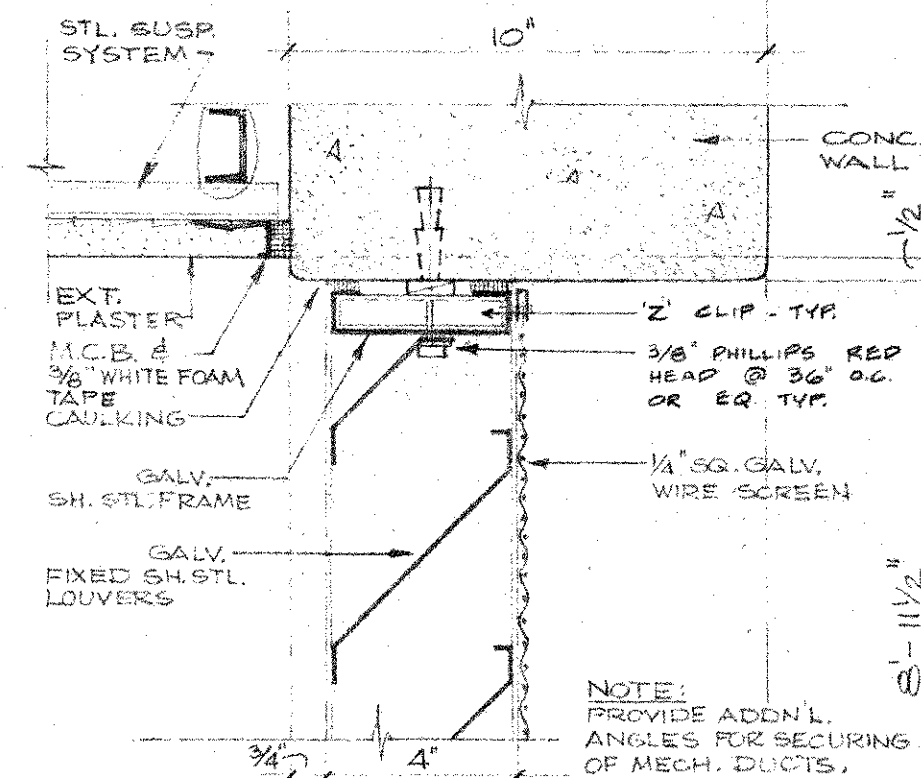
ROLLER COUNTER  
SHUTTER

SHEET  
5.09  
OF

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE 11/1/1970  
BY ac

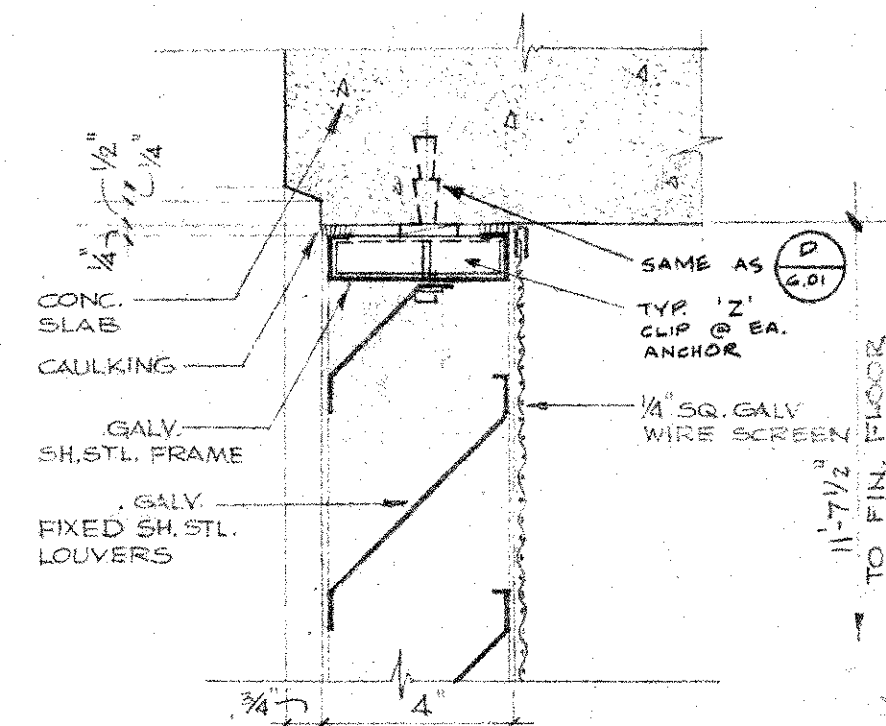
STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION  
32716 APPROVED FEB 13 1970  
BY BSHARLES





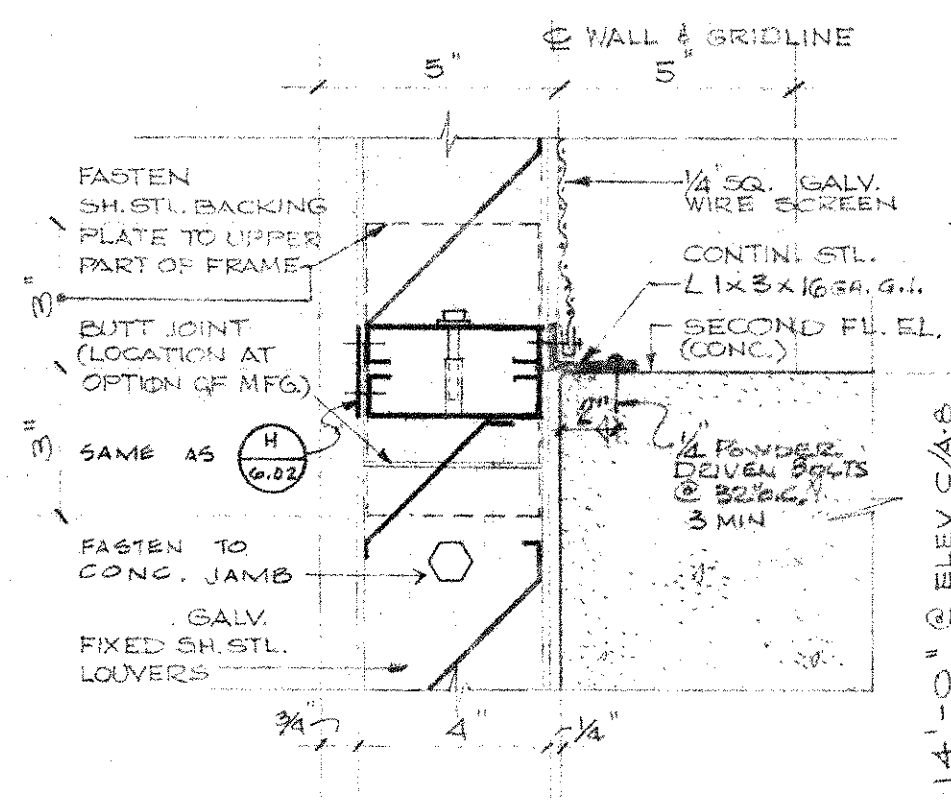
LOUVER HEAD

D



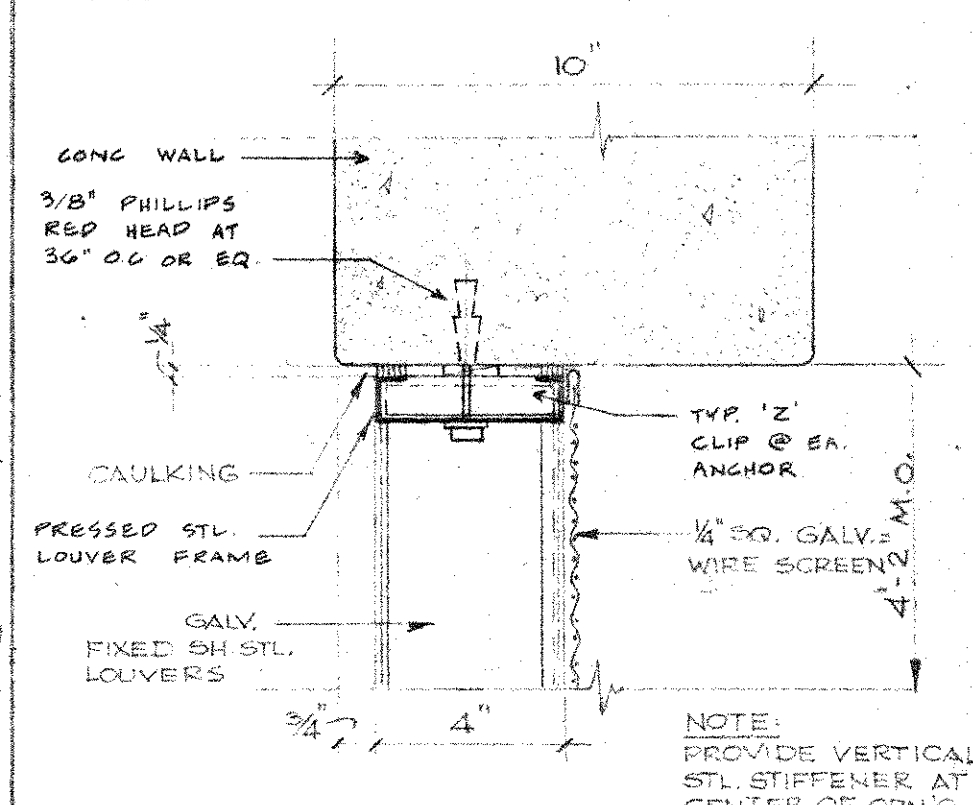
LOUVER HEAD

A



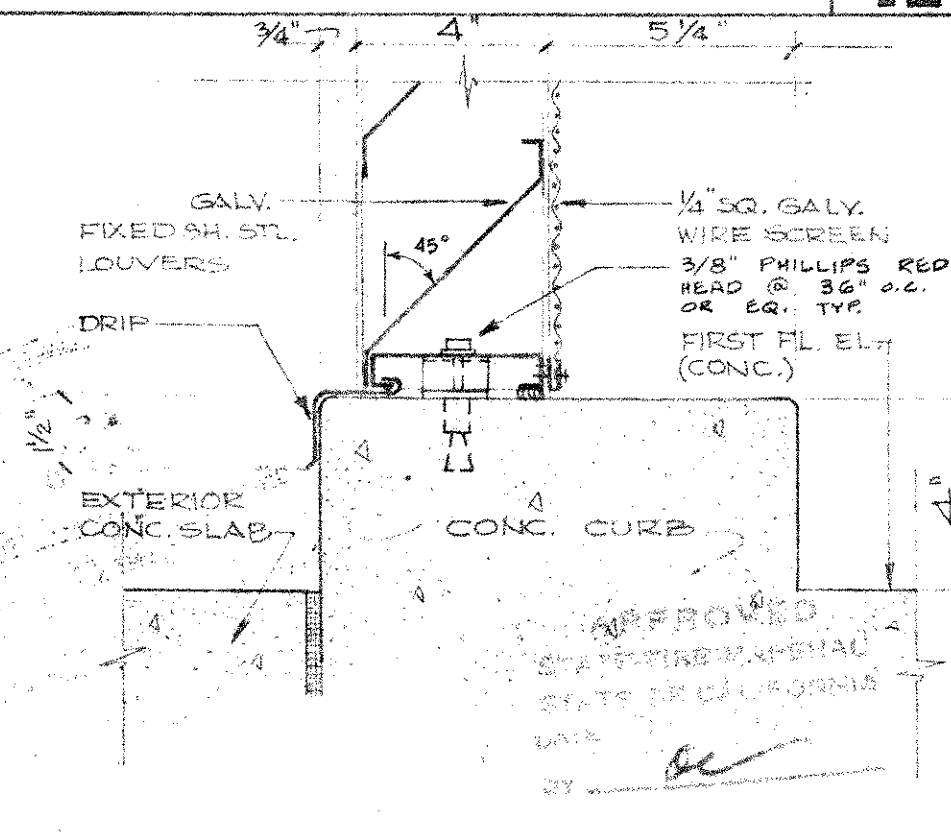
LOUVER CONNECTION

E



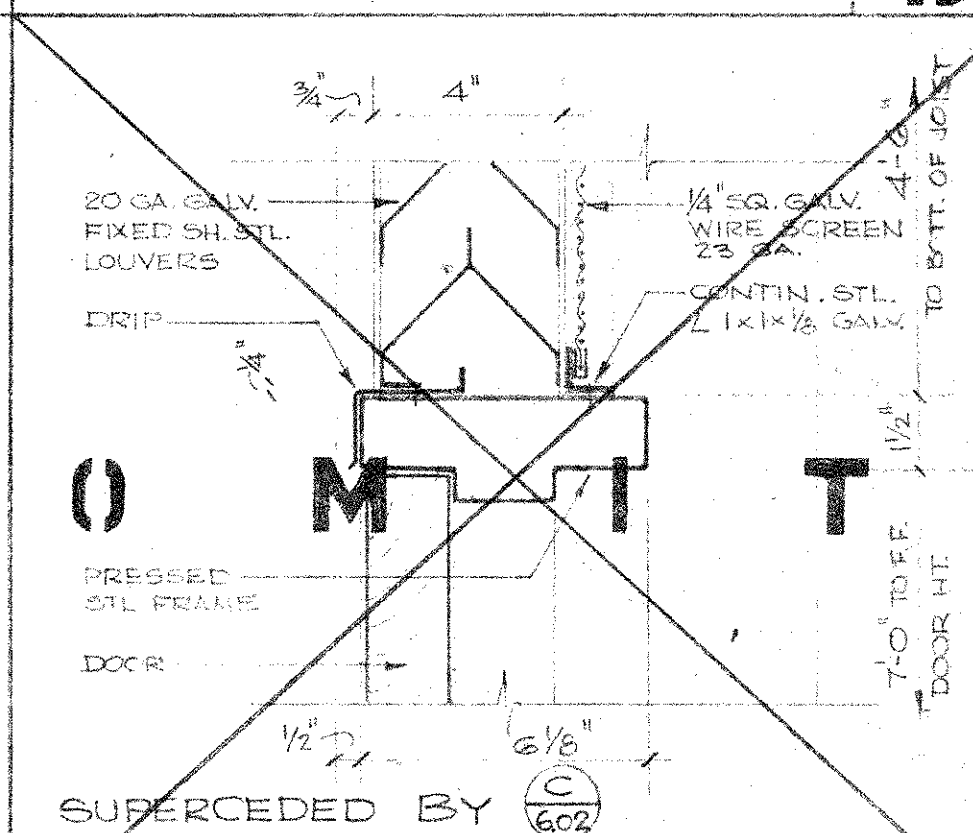
LOUVER JAMB

B



LOUVER SILL

F



DOOR HEAD - LOUVER SILL

C

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION  
32716 APPROVED FEB 13 1970  
APPLICATION FOR ARCHITECTURAL RECORD  
BY *William E. Blurock*

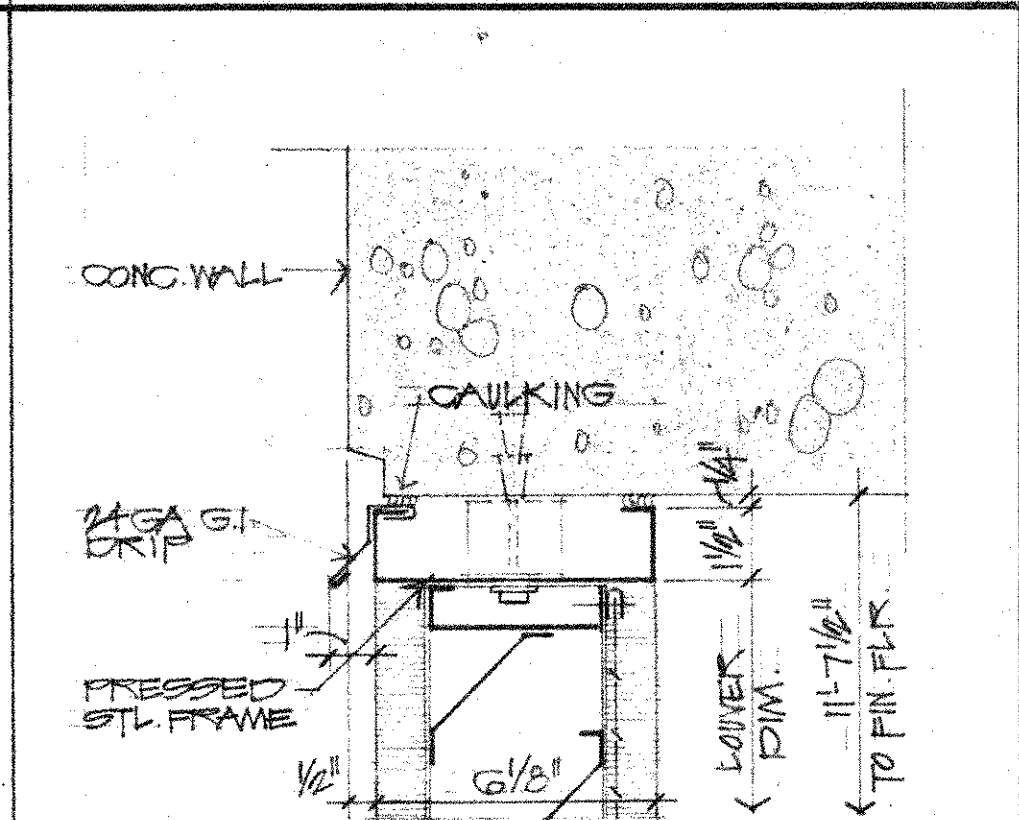
SCALE 3" = 1'-0"  
DATE  
DRAWN HWK  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

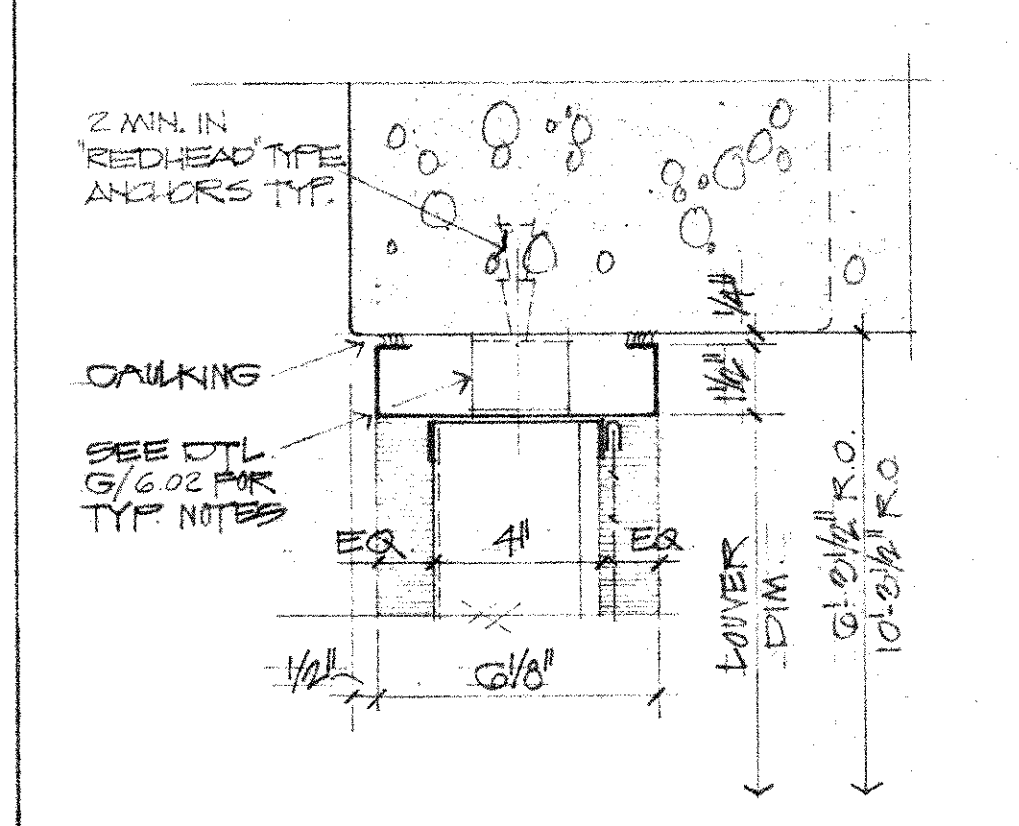
WB ARCHITECTS PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

MET. LOUVER DETS.

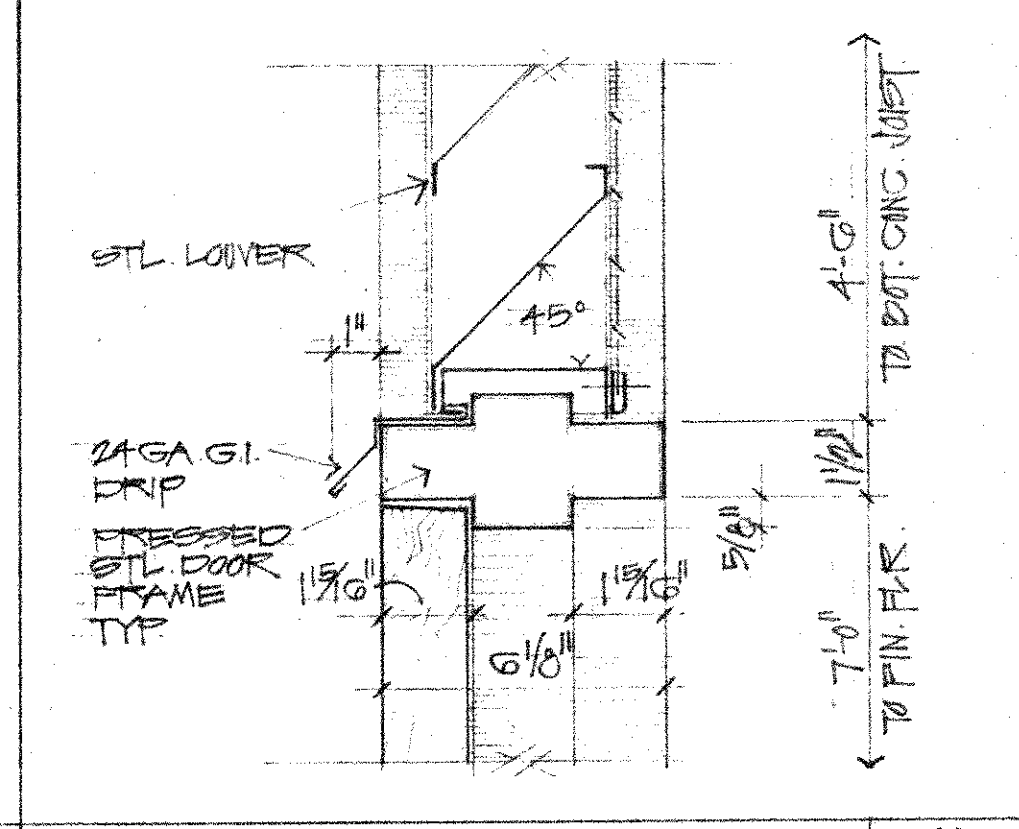
SHEET  
6.01  
OF



HEAD	A
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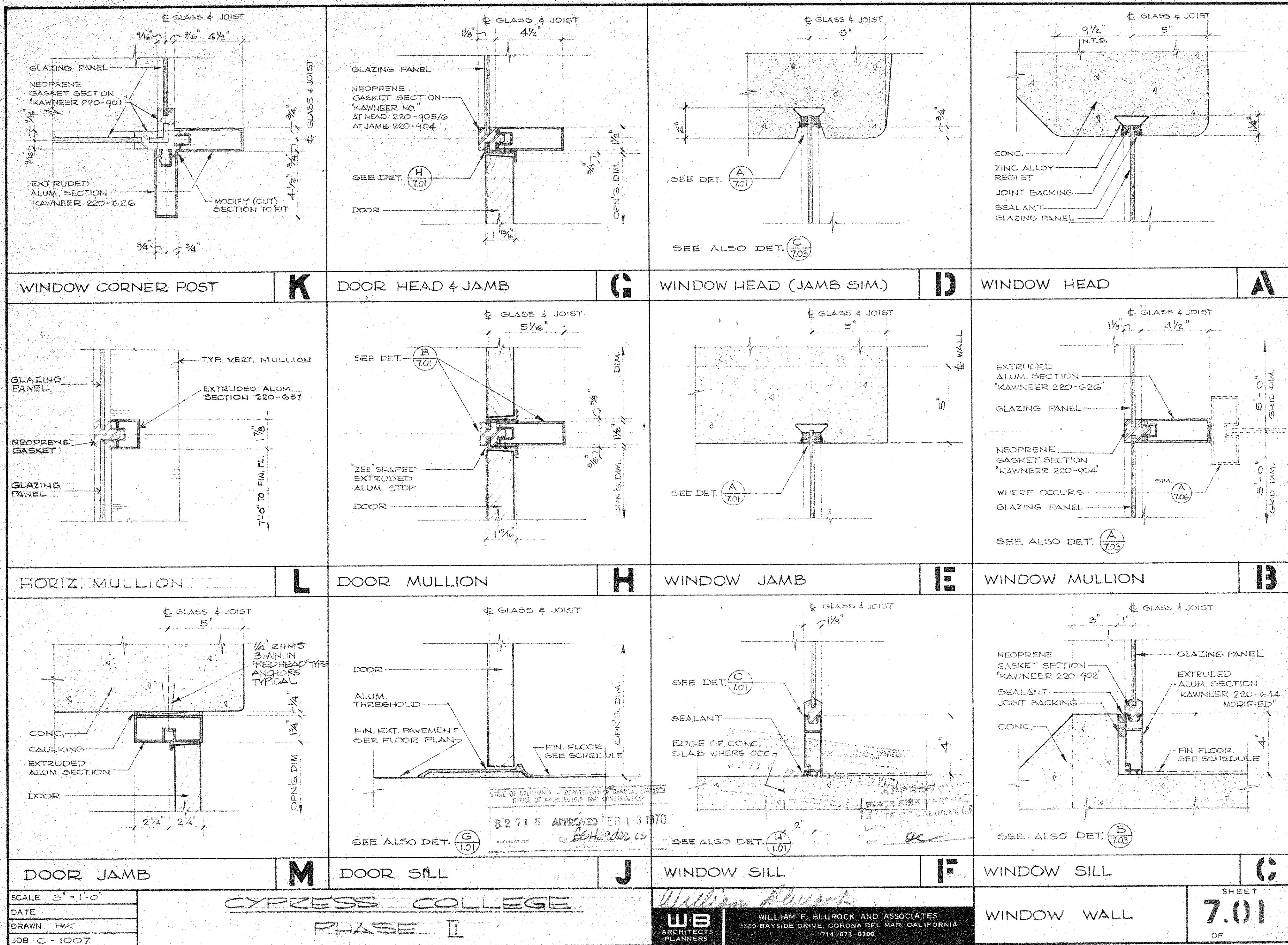


JAMB	13
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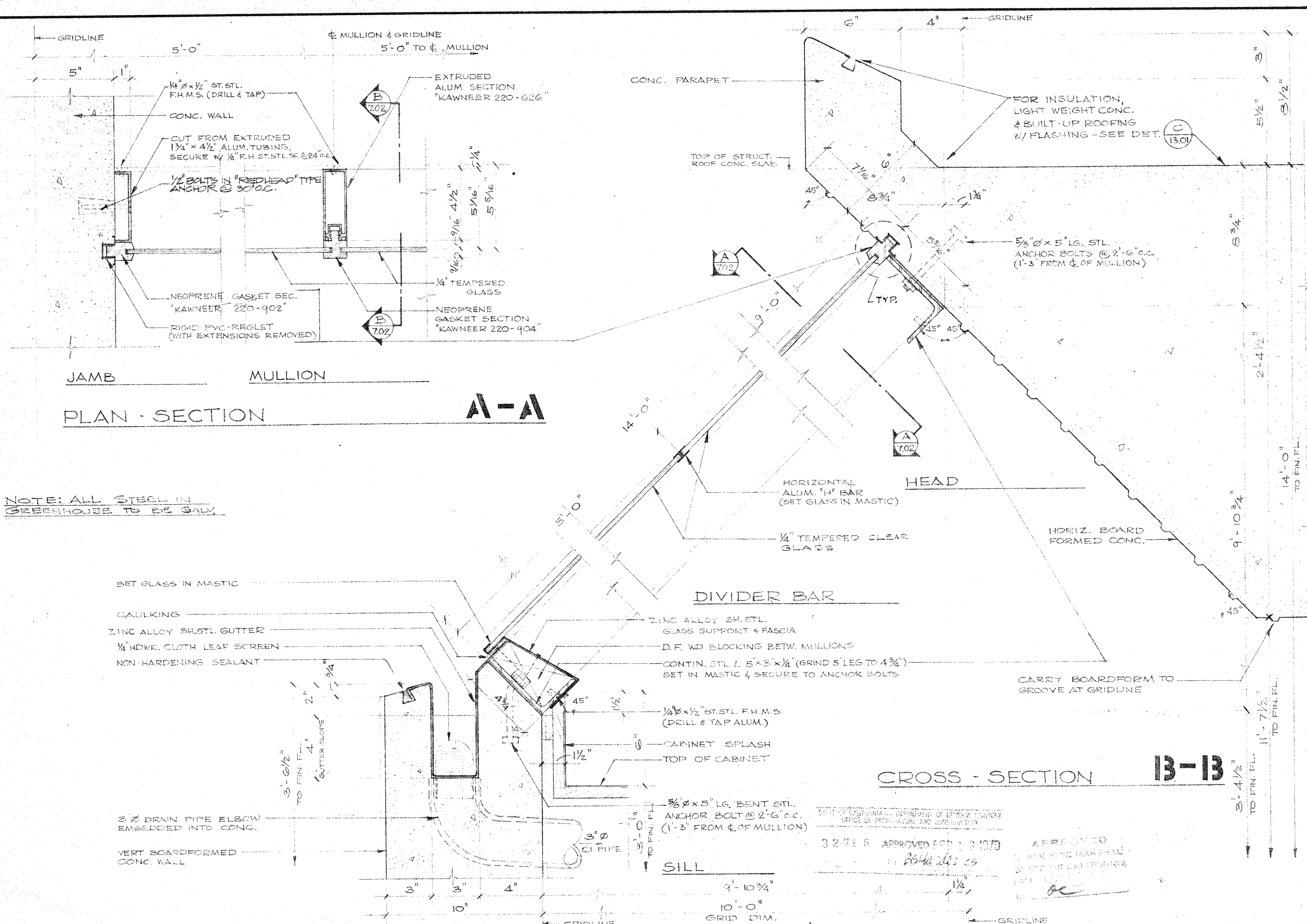


LOUVER AT DOOR HEAD	C
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NOTE: ALL STEEL IN GREENHOUSE TO BE GALV.

STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

32715 APPROVED FEB 13 1970  
B. H. H. H. H. H.

APPROVED  
STATE ENGINEER  
STATE OF CALIFORNIA  
DATE 1/13/70  
B. H. H. H. H.

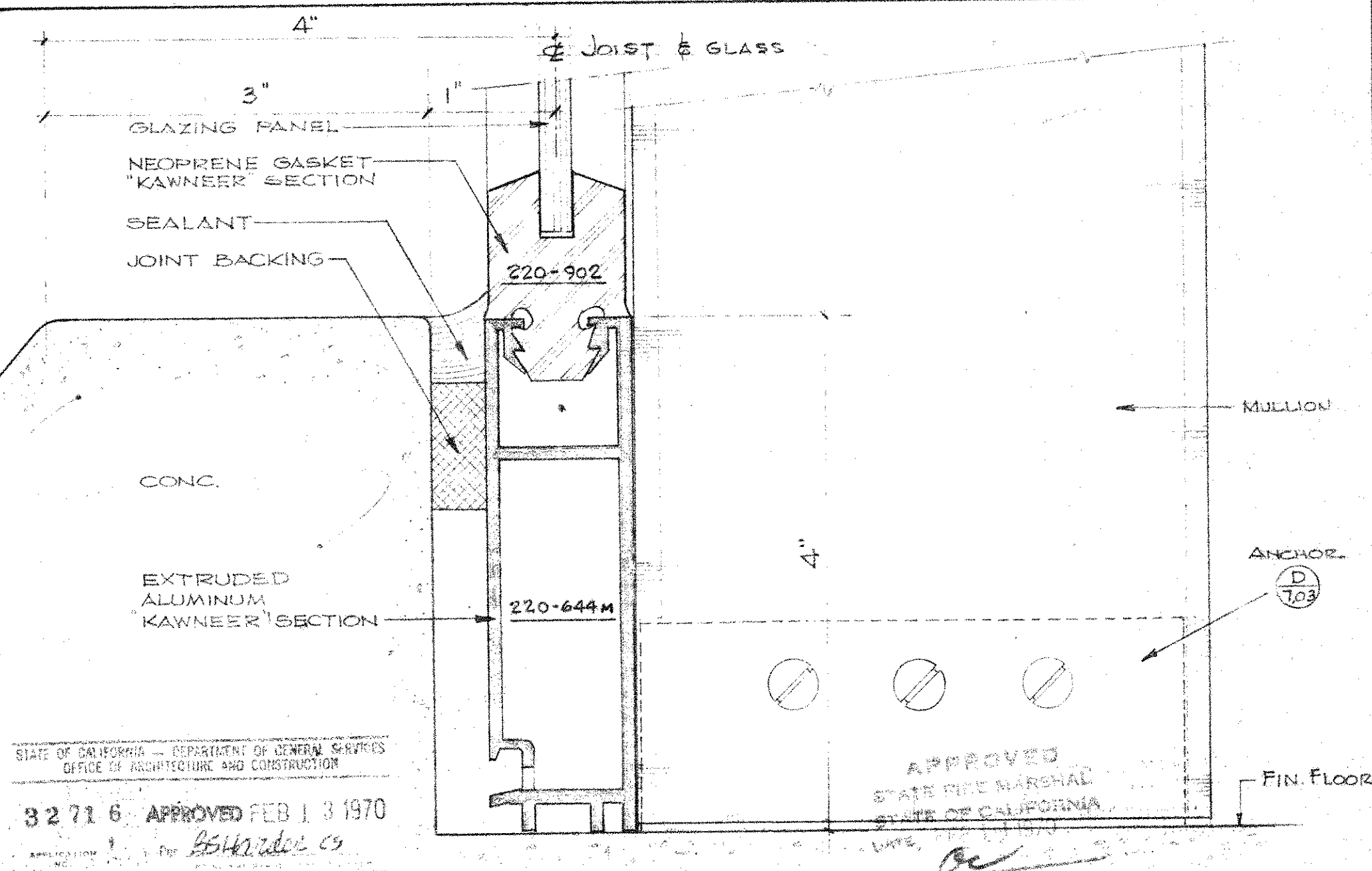
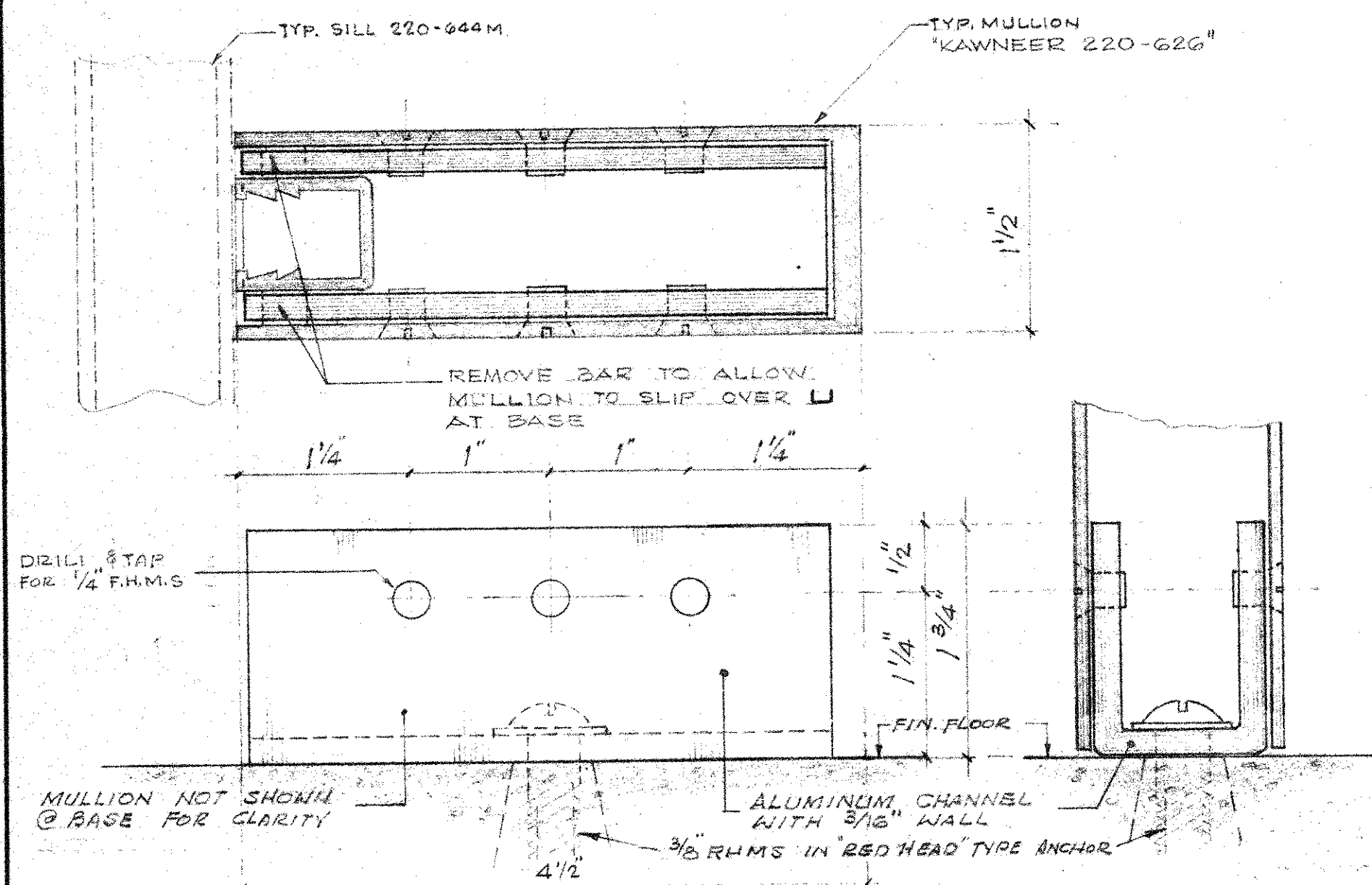
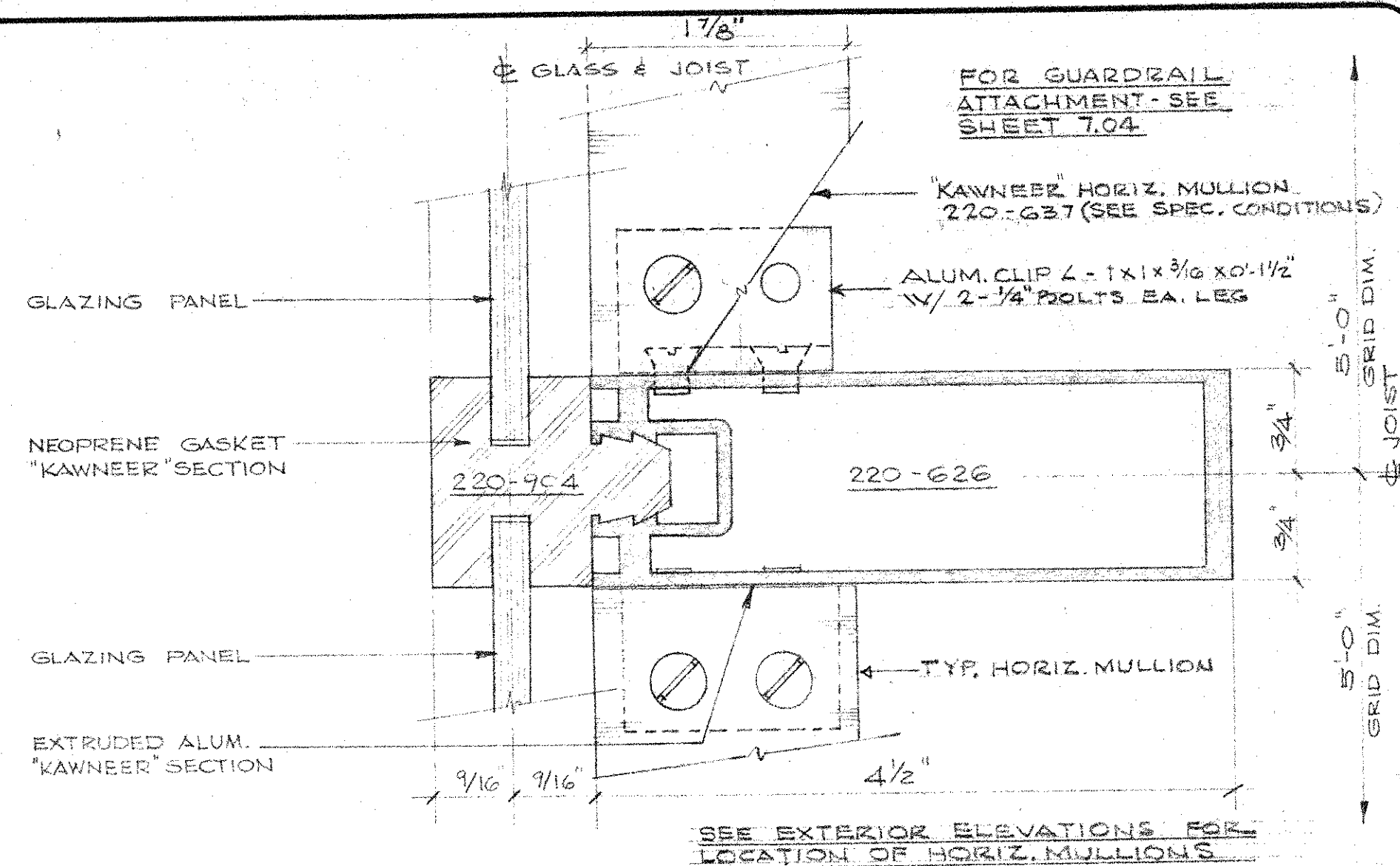
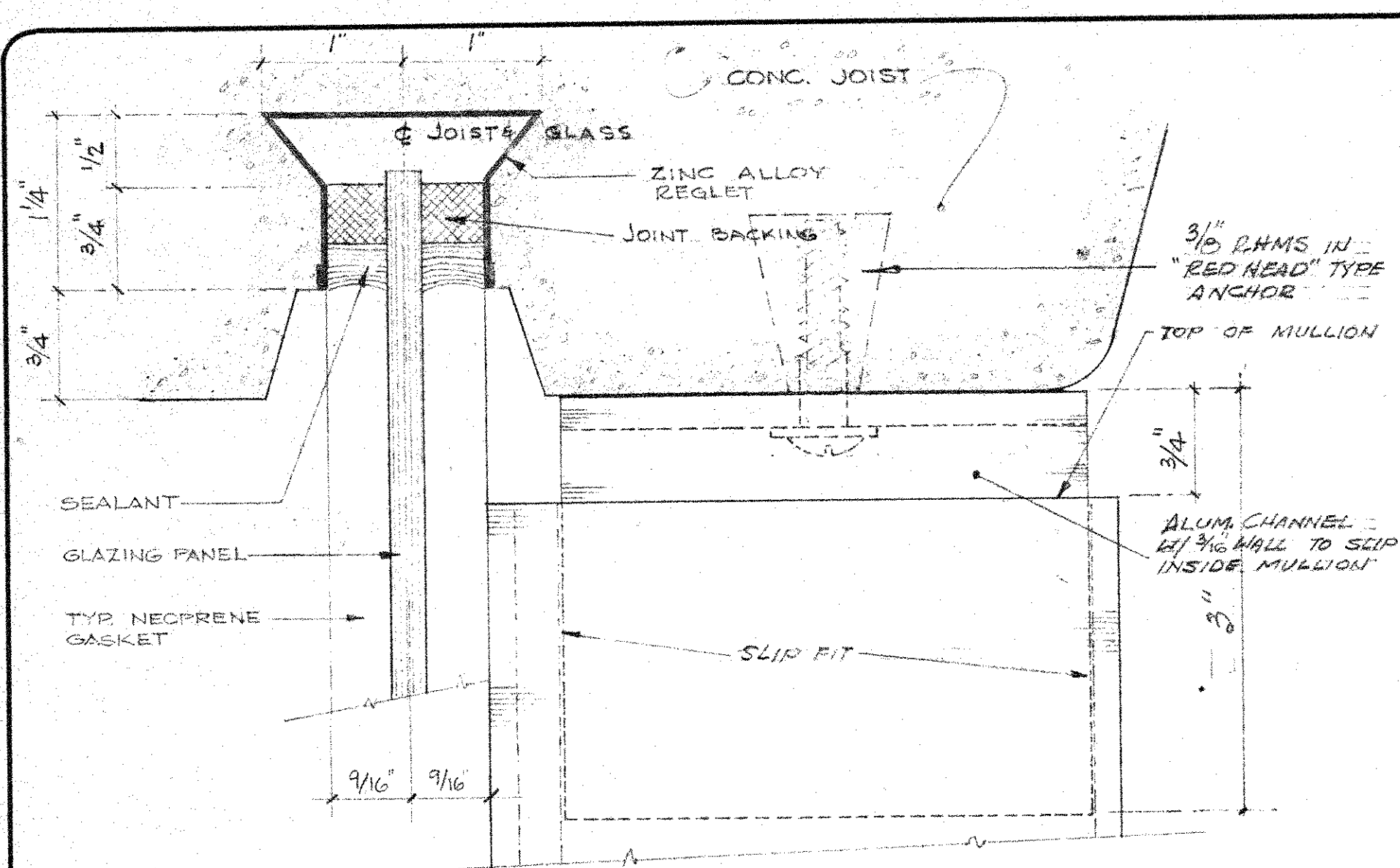
SCALE 3" = 1'-0"  
DATE  
DRAWN HWK  
JOB C-1007

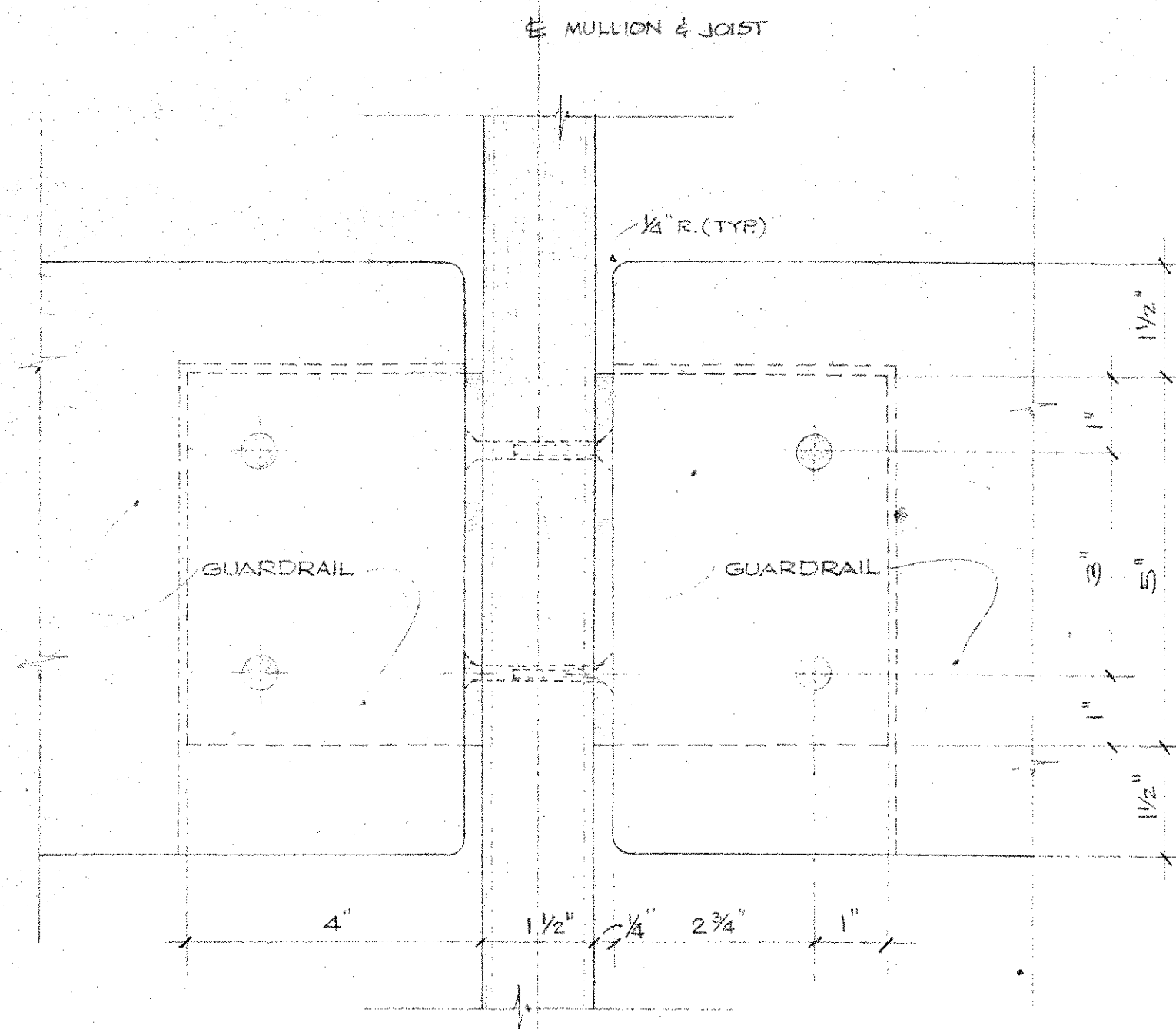
CYPRESS COLLEGE  
PHASE II

WB  
ARCHITECTS  
PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

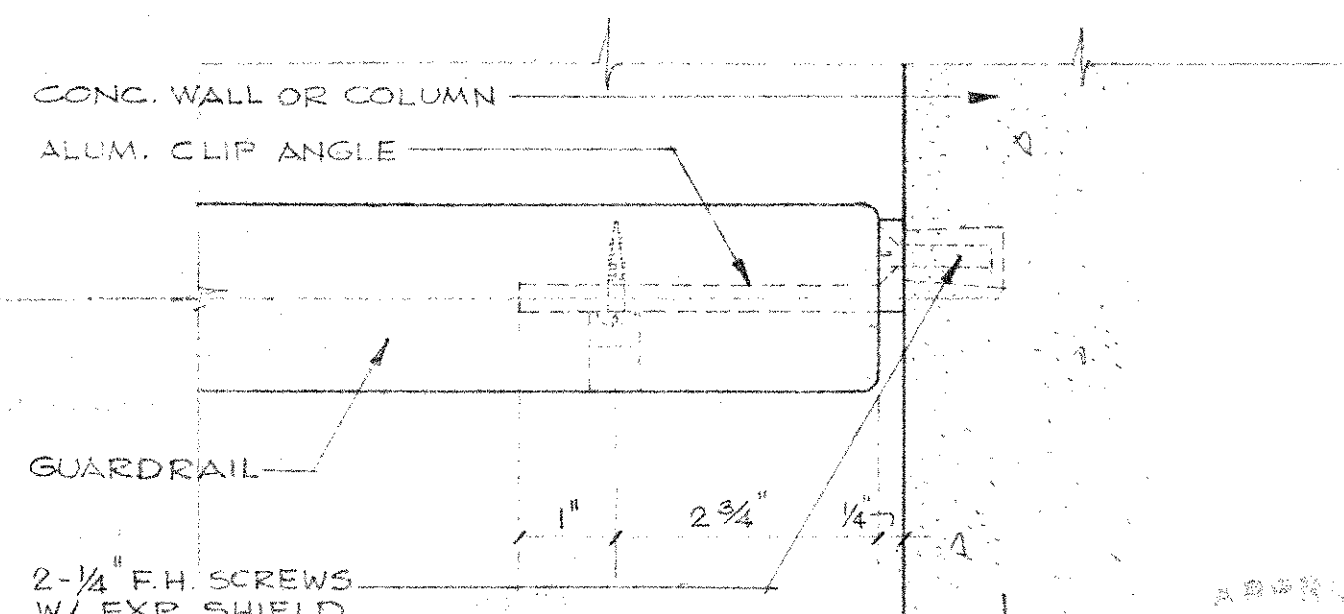
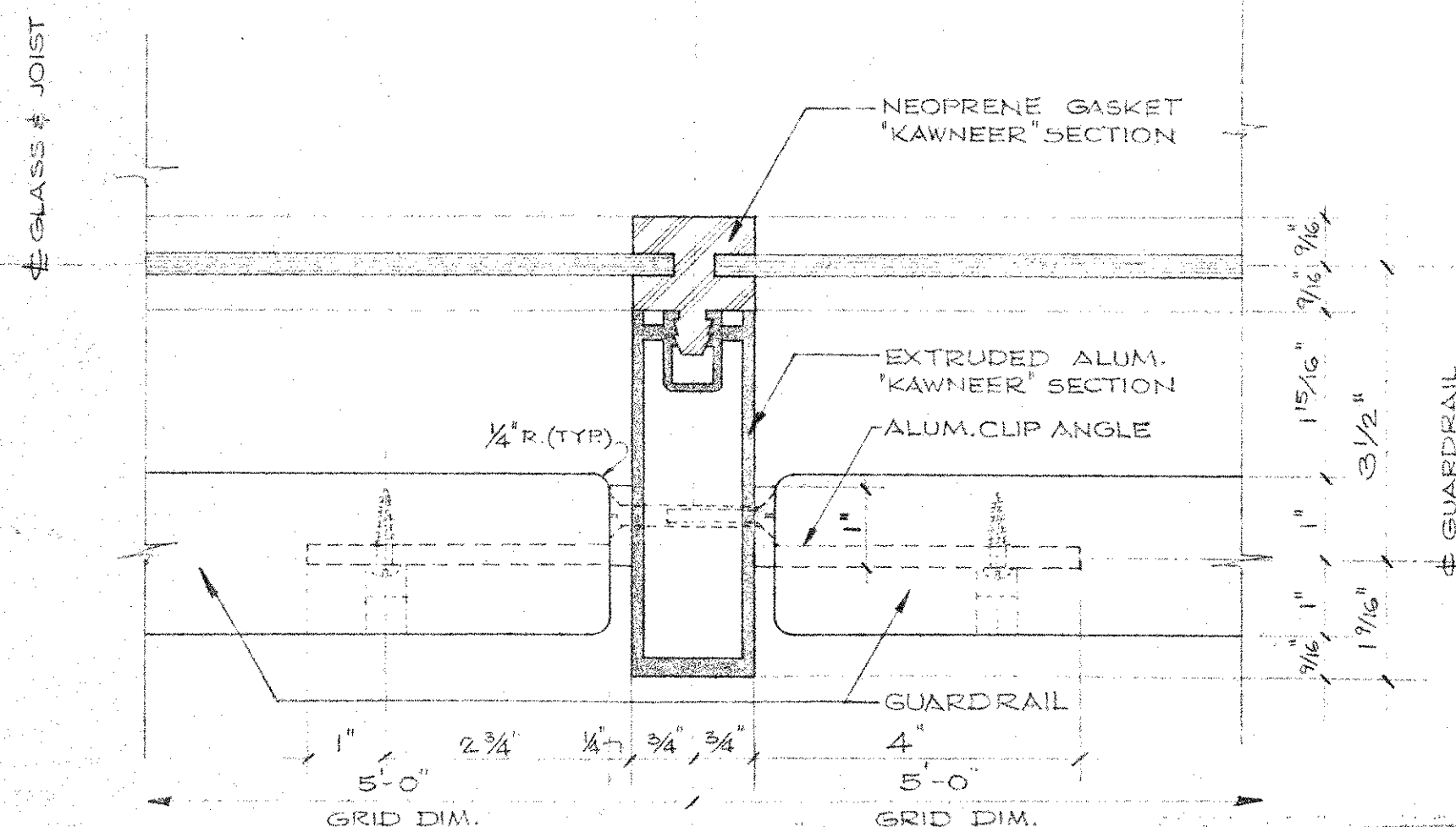
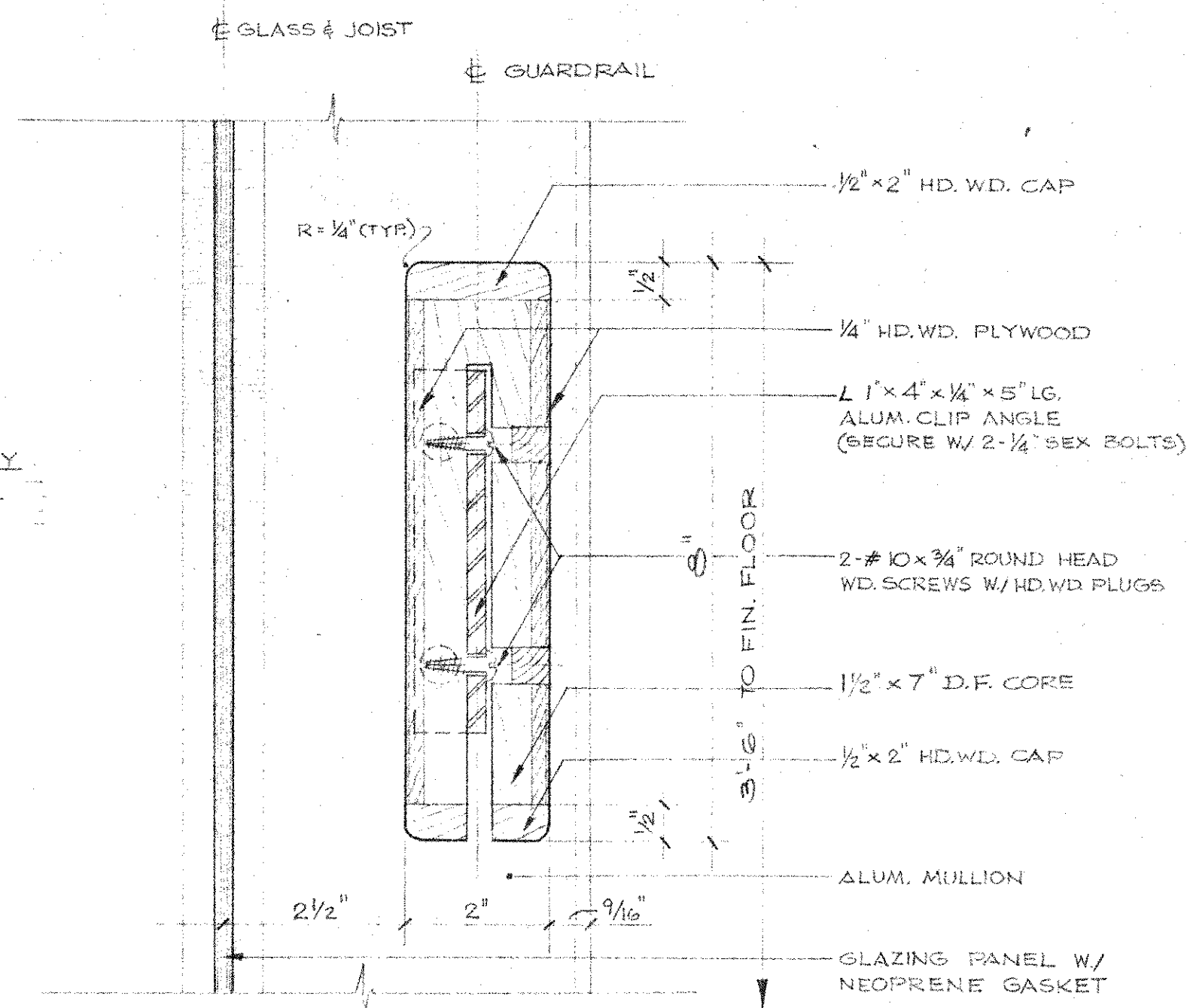
WINDOW WALL  
GREEN HOUSE WINDOW

SHEET  
7.02  
OF





NOTE: HANDRAIL MAY  
BE MADE FROM SOLID  
HARWOOD STOCK



PLAN AT MULLION

PLAN AT JAMB

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICE  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

82 71 6 APPROVED FEB 13 1970

Mr. Hazard es

APPROVED  
STATE ATTORNEY  
STATE OF CALIFORNIA  
JUL 11 1950

20

### DETAIL OF WINDOW GUARDRAIL

SCALE HALF SIZE
DATE
DRAWN HWC
JOB C-1007

CYPRESS COLLEGE

PLAST

**WEB**  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

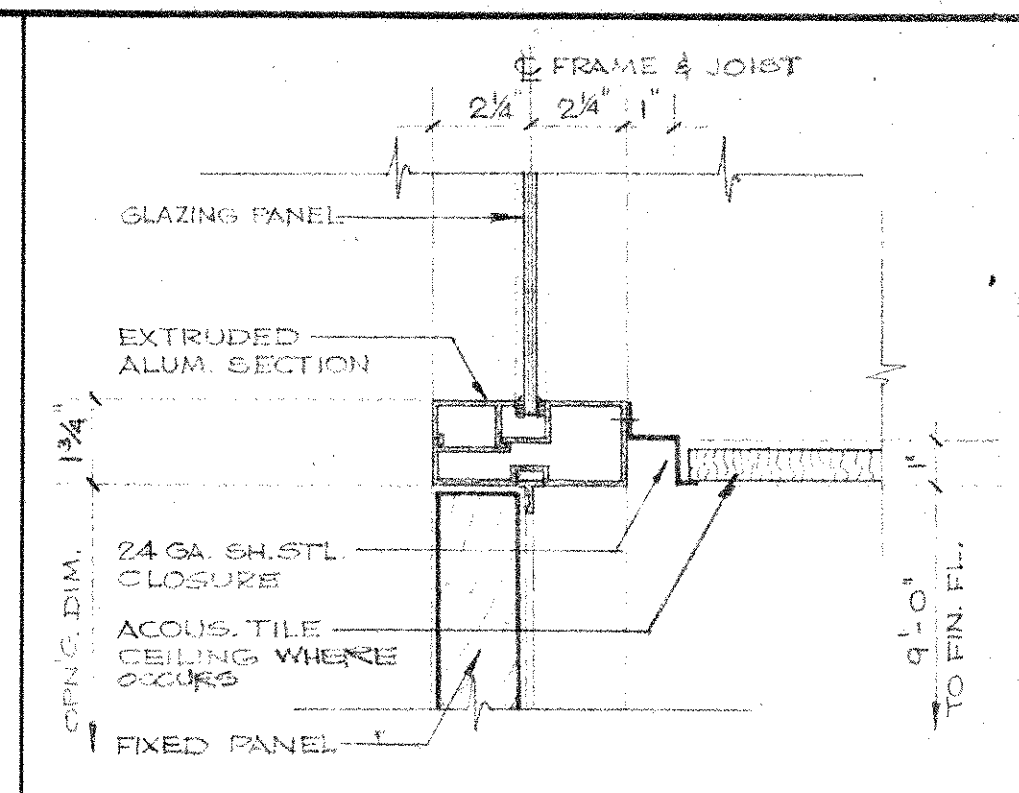
WINDOW WALL

SHEET

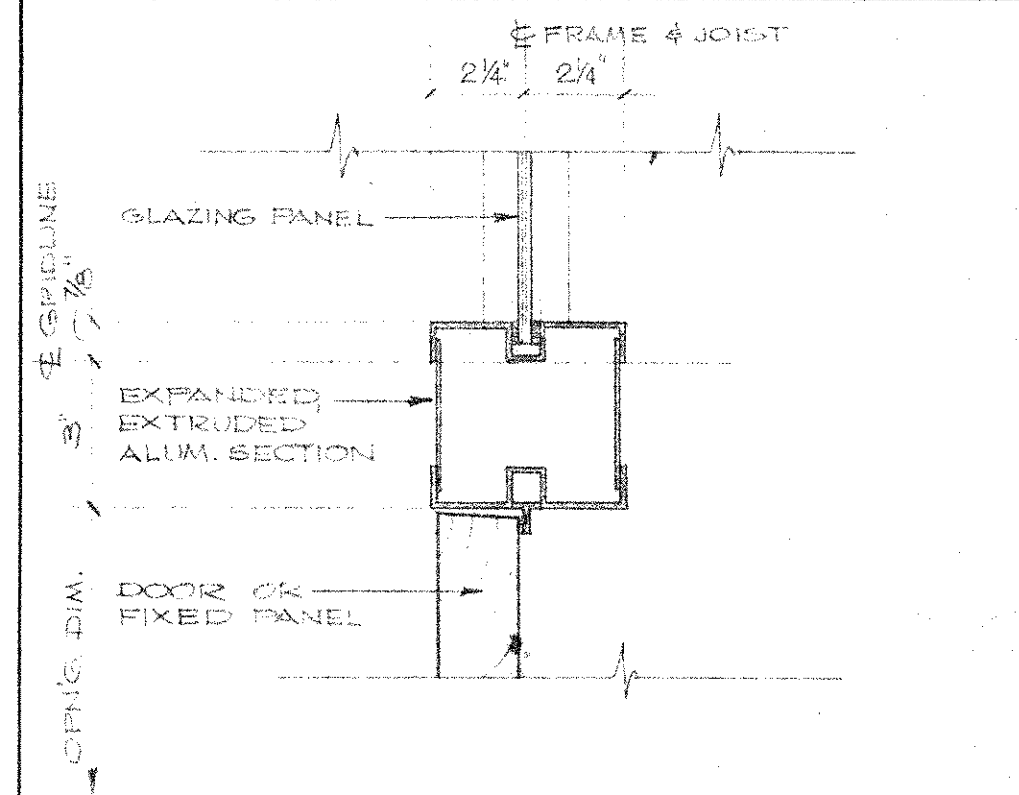
7.04

OF

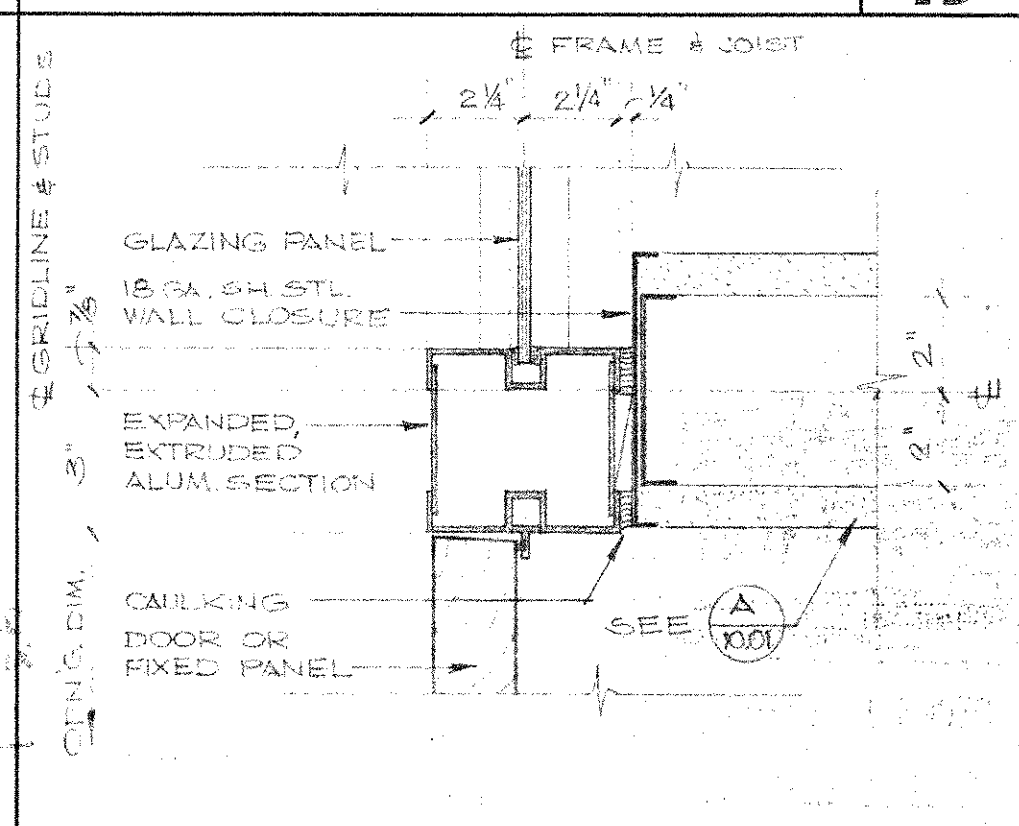


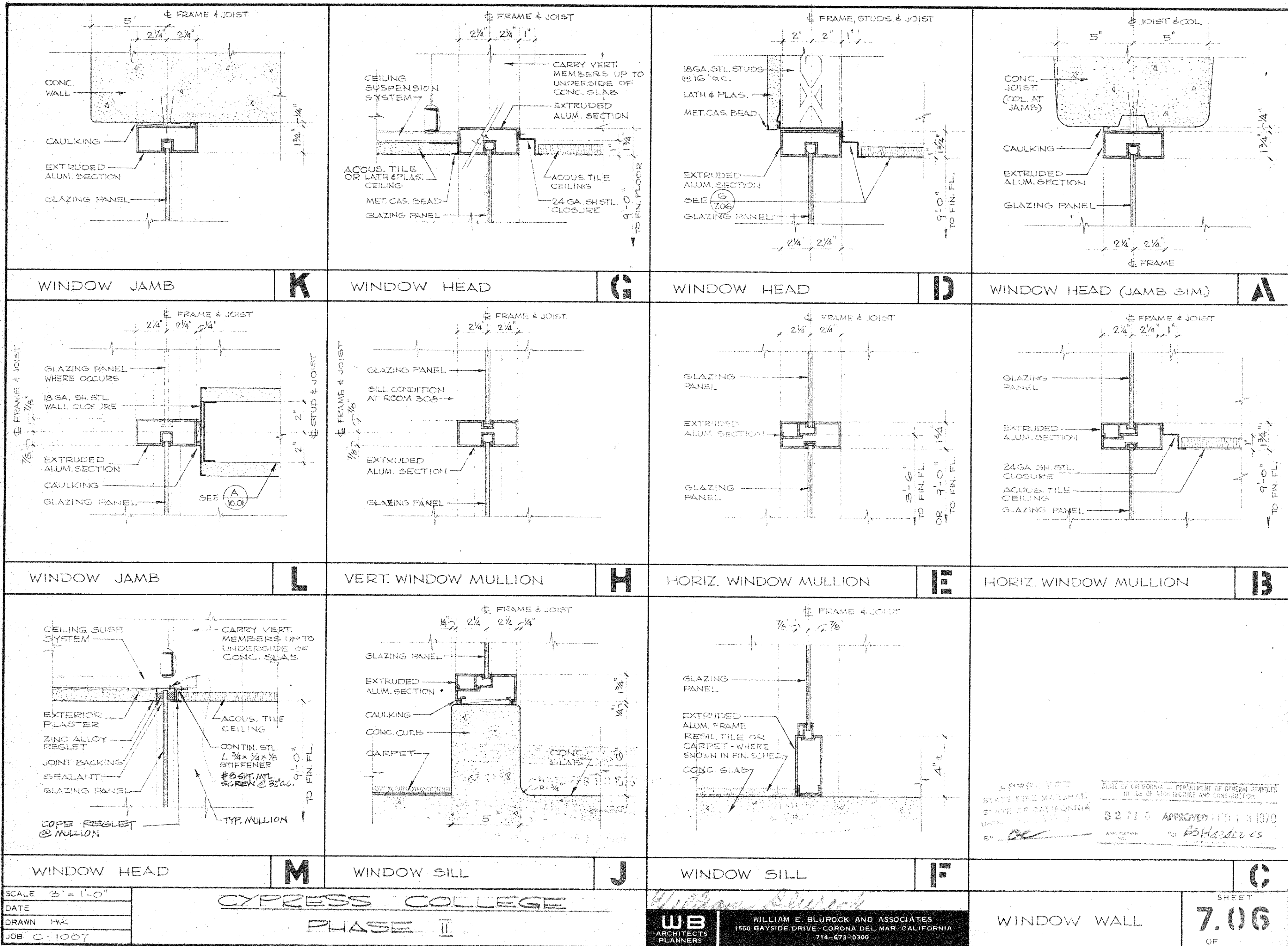


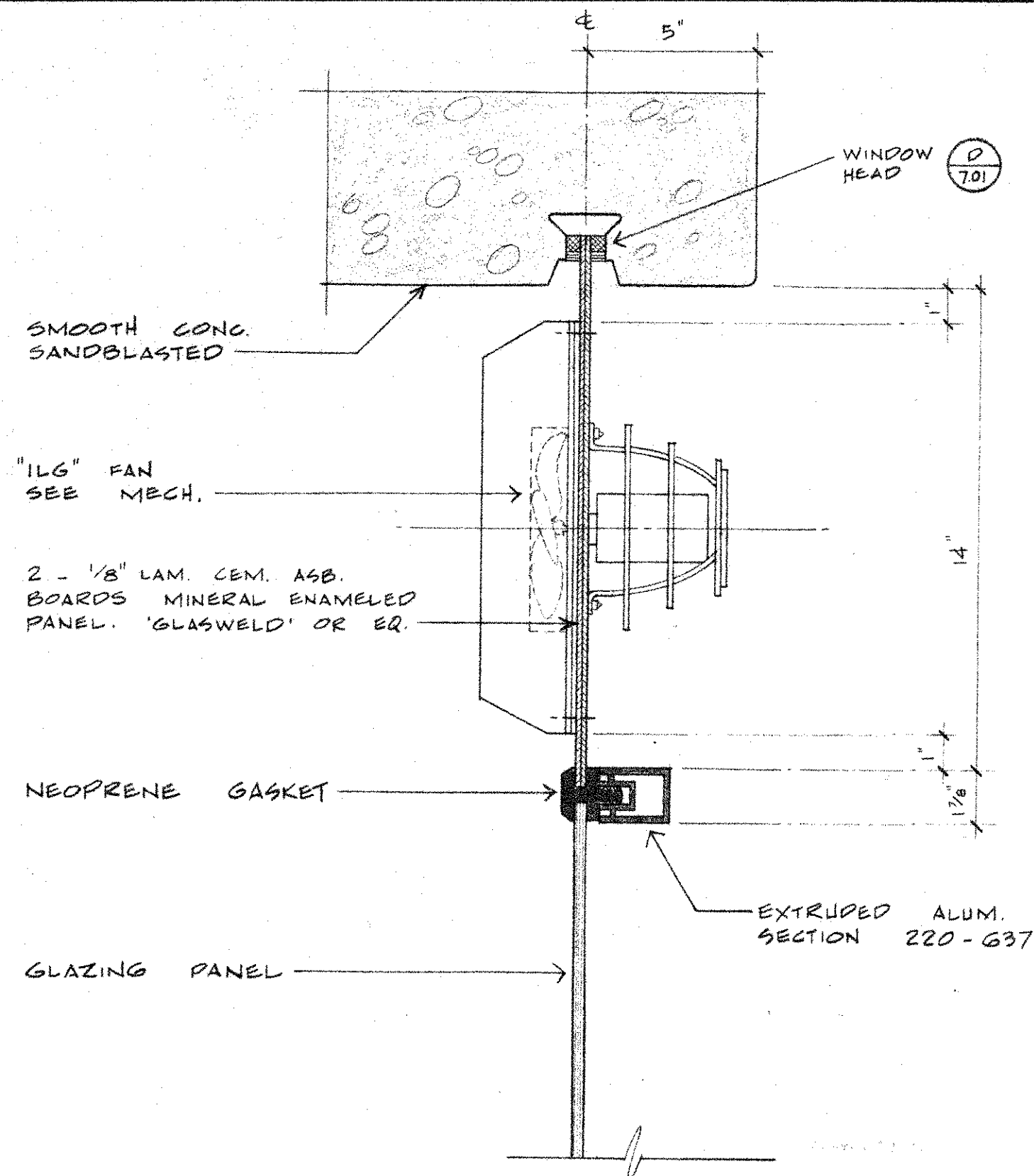
A



13



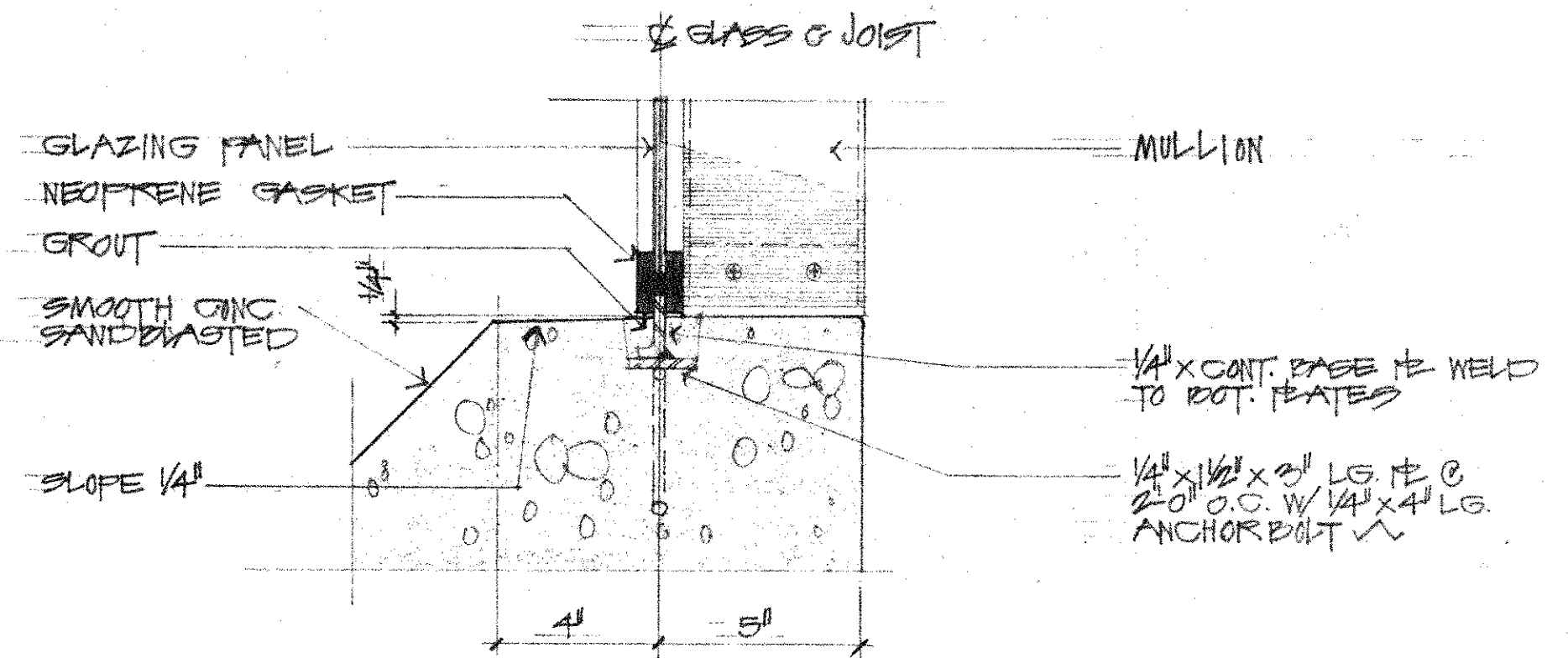




HEAD & MULLION

SCALE  
3" = 1'-0"

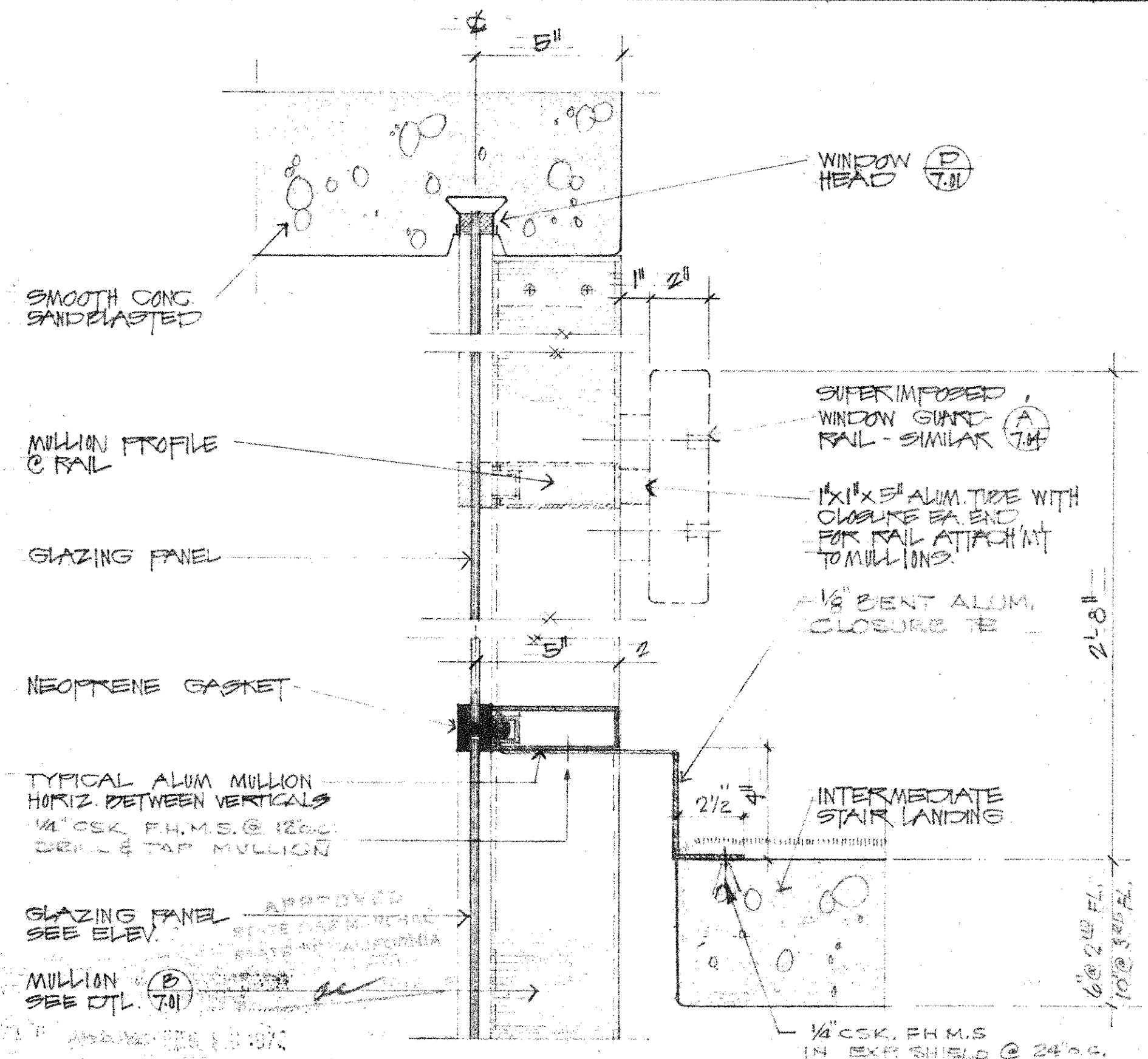
C



SILL

SCALE  
3" = 1'-0"

A



WINDOW SILL AT STAIR WELL

SCALE  
3" = 1'-0"

B

SCALE AS NOTED  
DATE  
DRAWN VON SUNO  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

WB  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

WINDOW WALL

SHEET  
7.07  
OF

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

92716 APPROVED FEB 13 1970

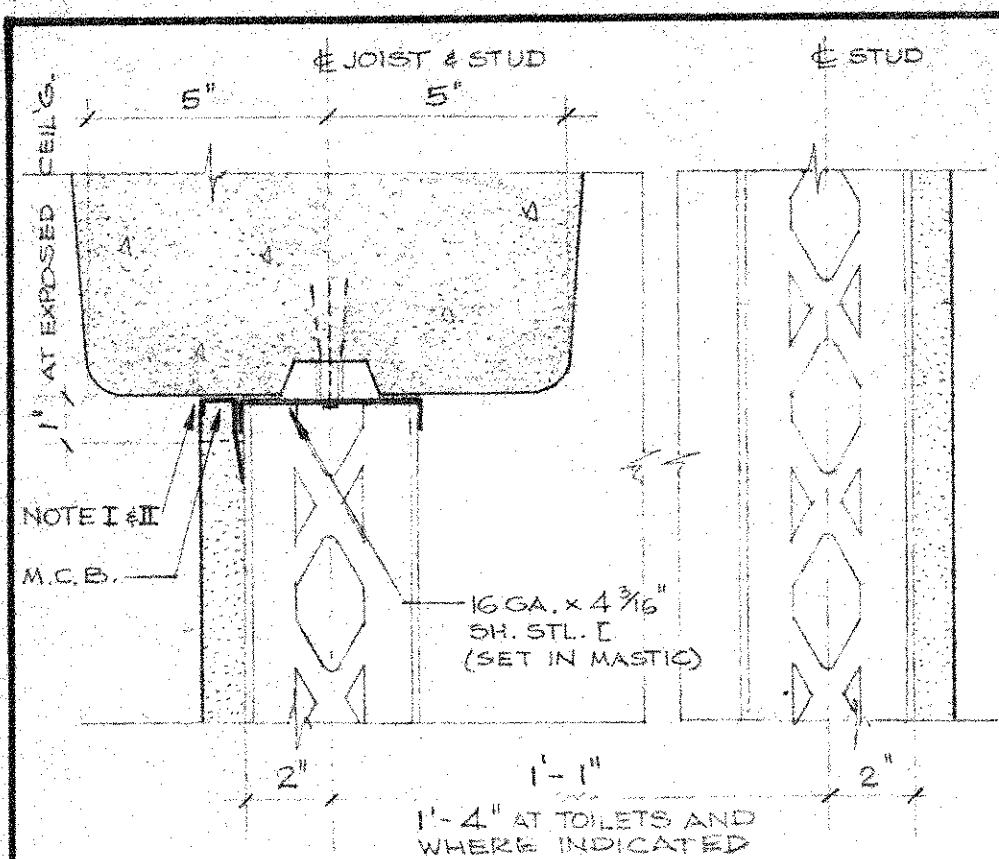
APPROVED BY: [Signature]

GLAZING PANEL  
SEE ELEV.

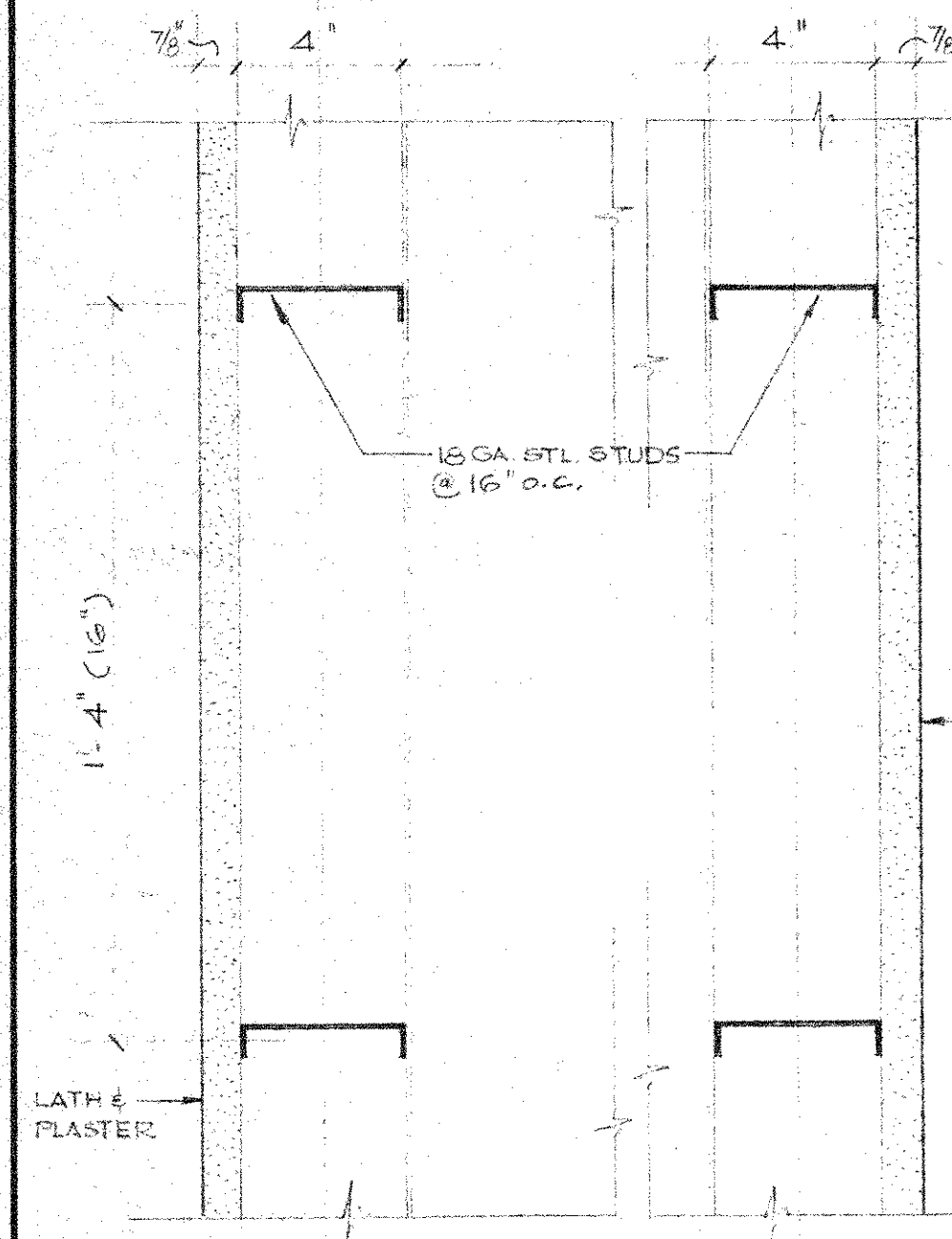
MULLION  
SEE DTL. (B) 7.01

APPROVED BY: [Signature]

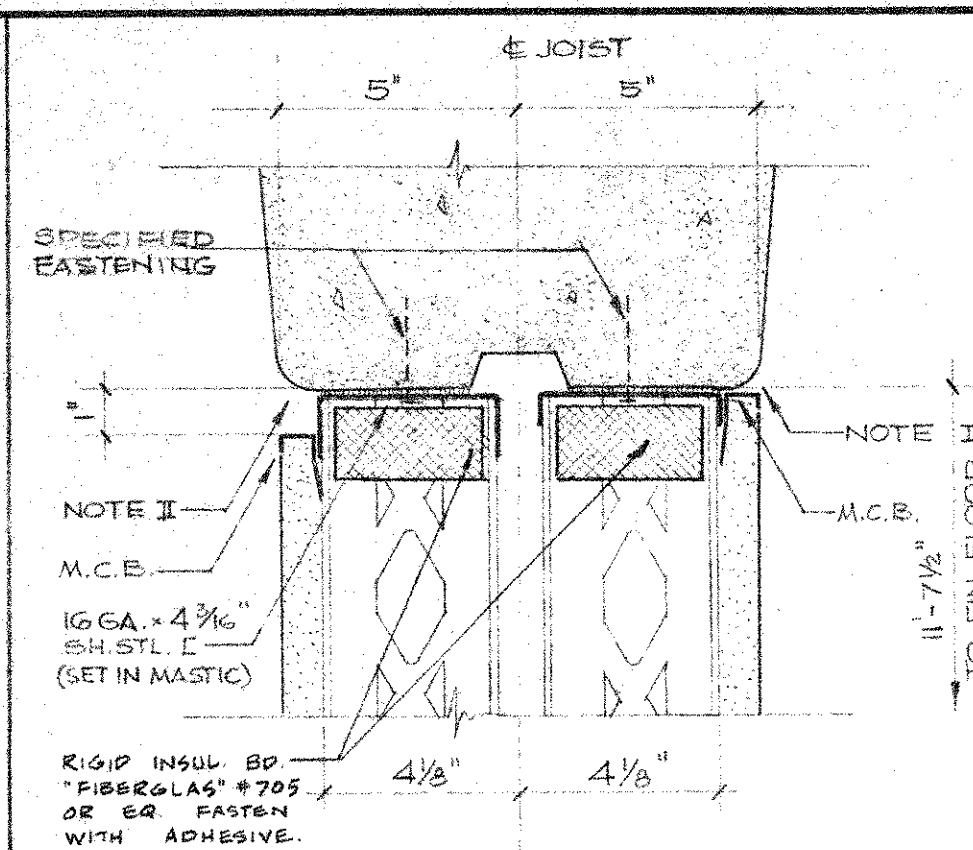




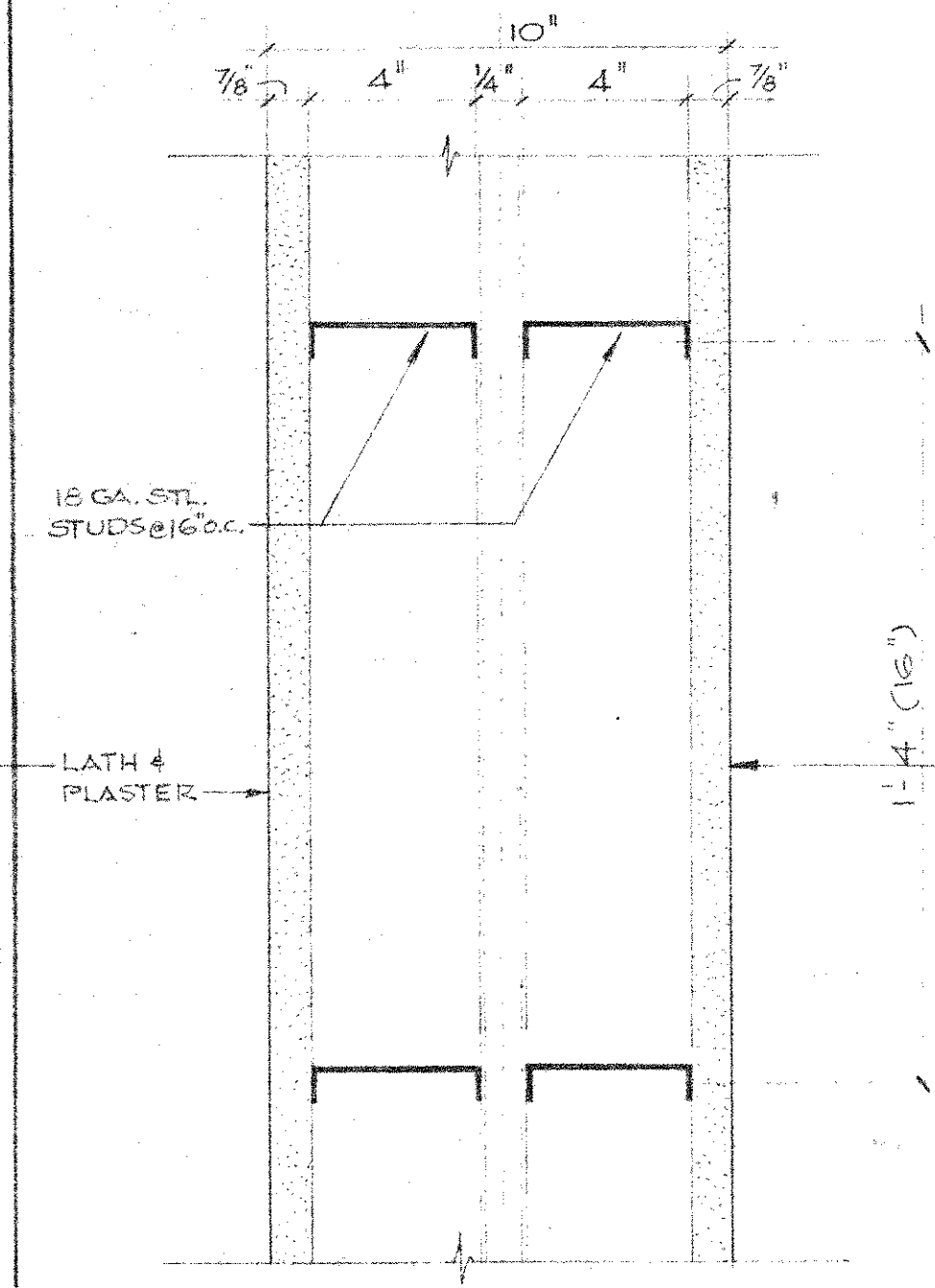
HEAD SECTION



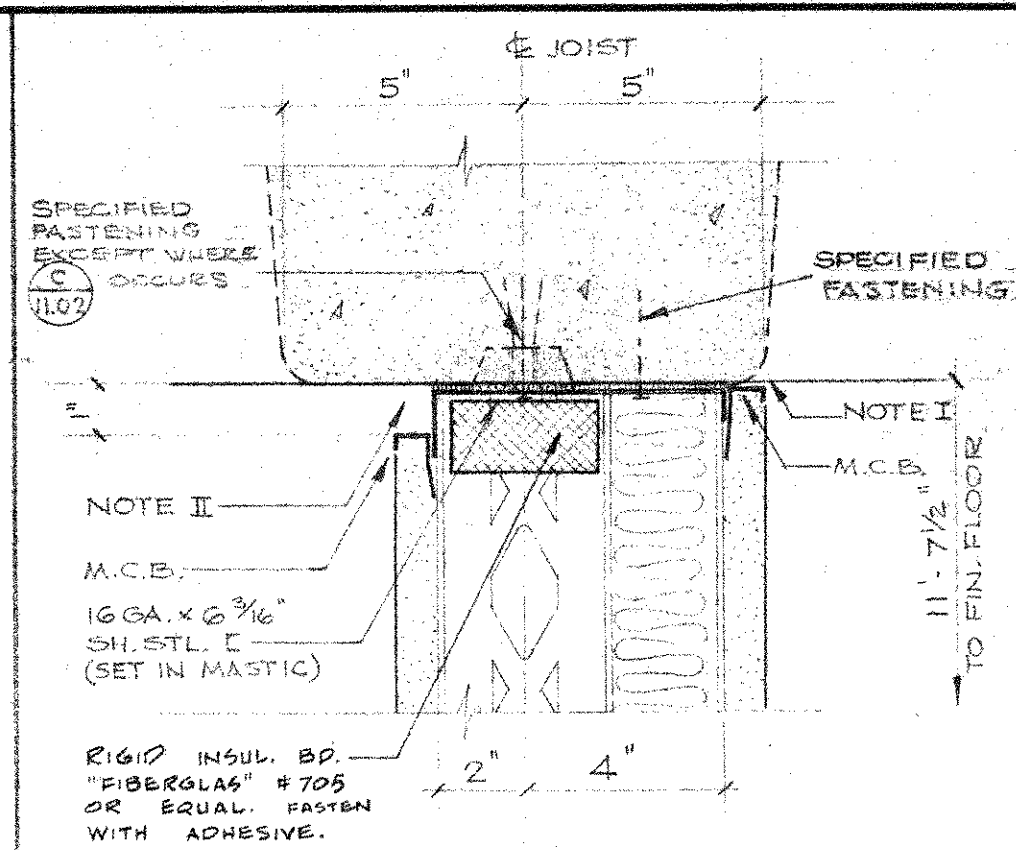
PLAN SECTION



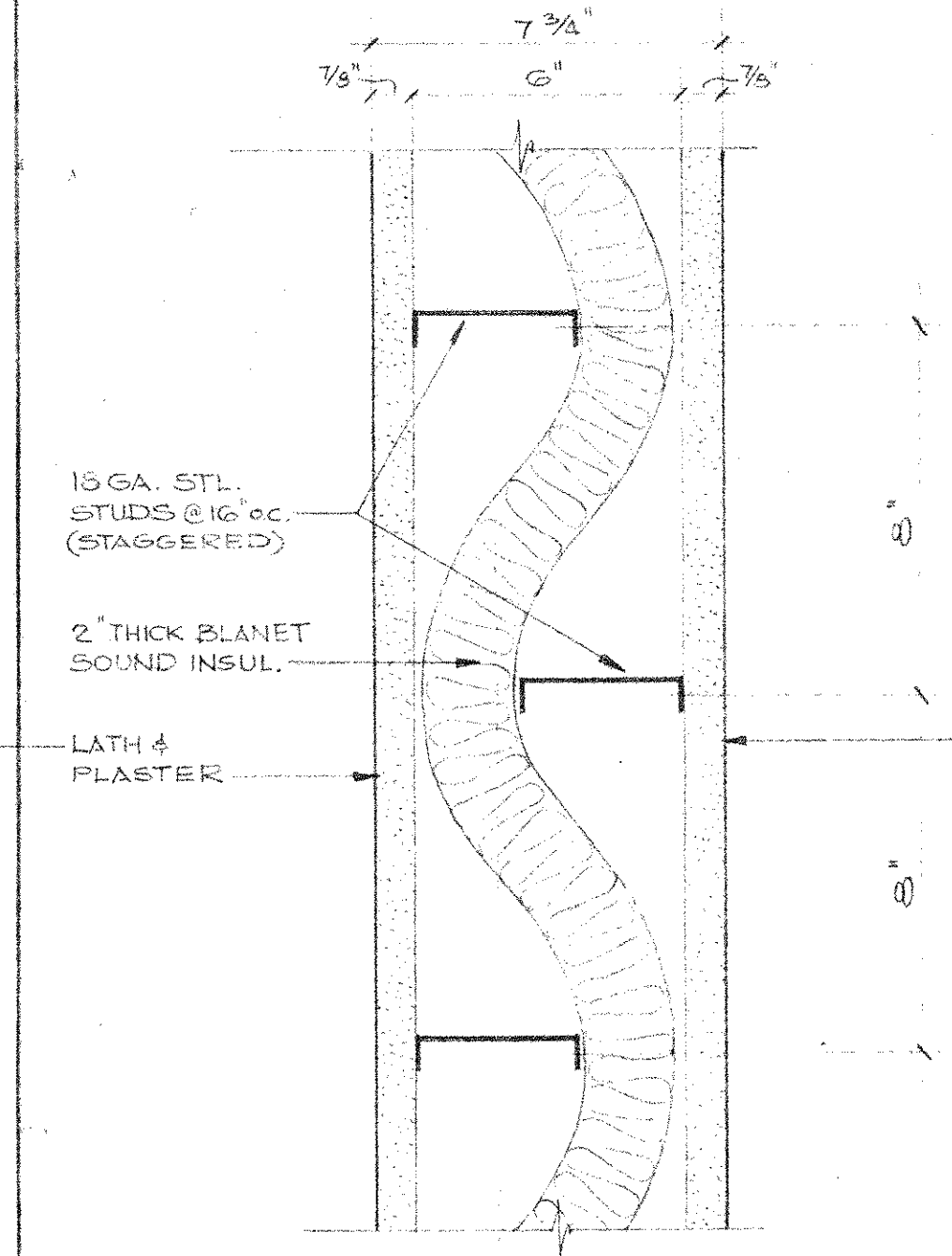
HEAD SECTION



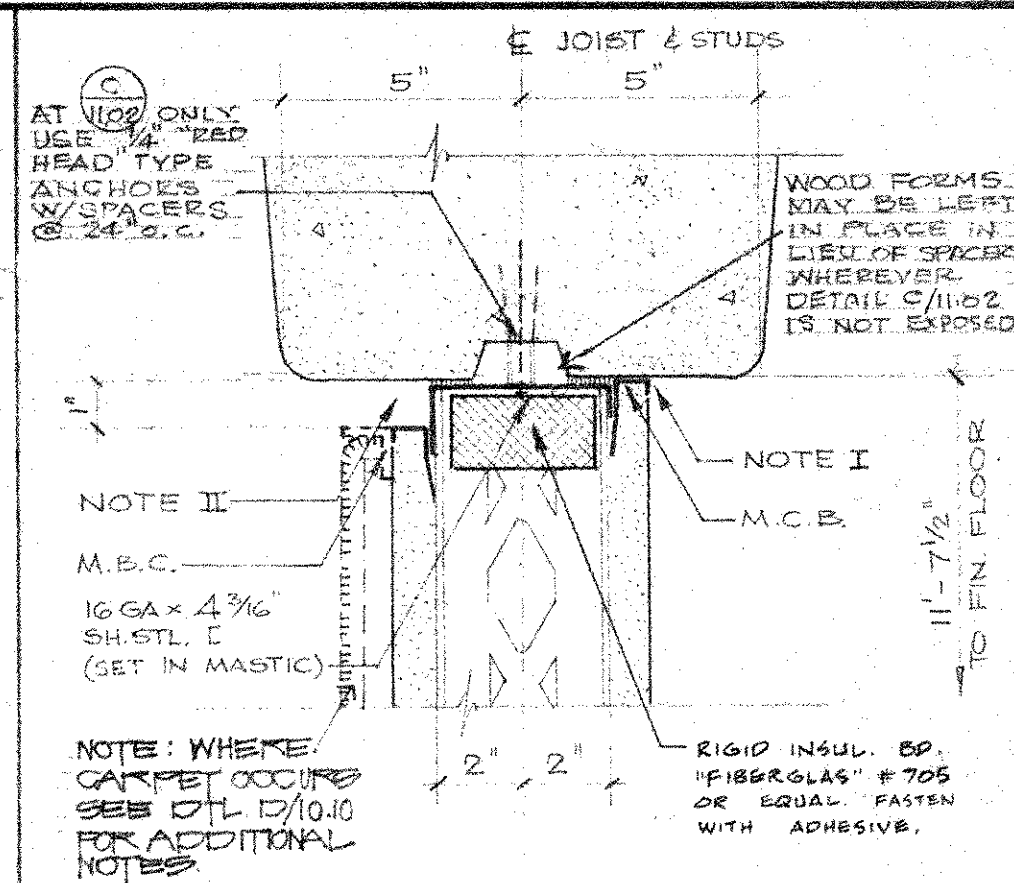
PLAN SECTION



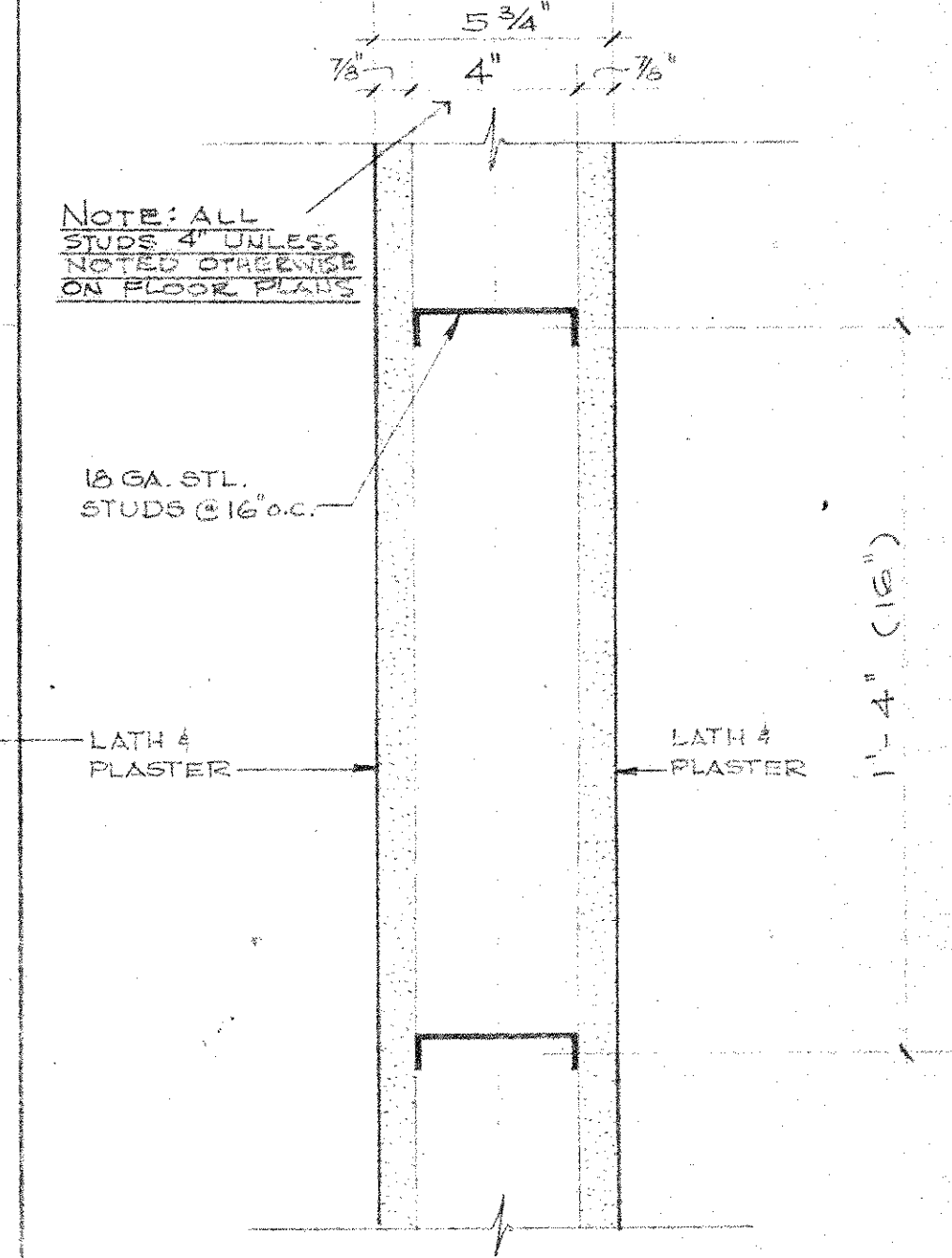
HEAD SECTION



PLAN SECTION



HEAD SECTION



PLAN SECTION

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

32716 APPROVED FEB 13 1970

APPROVED

STATE OF CALIFORNIA

DATE 11/11/70

BY

WILLIAM E. BLUROCK AND ASSOCIATES

1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA

714-673-0300

NOTE I:  
CARRY LATH & PLASTER ABOVE SUSPENDED CEILING TO UNDERSIDE OF CONC. JOISTS. DO NOT APPLY 1/8" FIN. COAT ON UNEXPOSED AREAS ABOVE CEILING.

NOTE II:  
CONSTRUCT REVEAL AS SHOWN WHERE CONC. JOIST EXPOSED. SEE REFLECTED CEILING PLAN.

PLUMBING STL. STUD WALL

D

DOUBLE STL. STUD WALL

C

INSUL. STL. STUD WALL

B

TYP. STL. STUD WALL

A

SCALE 3" = 1'-0"

DATE

DRAWN HMK

JOB C-1007

CYPRESS COLLEGE

PHASE II

WILLIAM E. BLUROCK AND ASSOCIATES

1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA

714-673-0300

WALL DETAILS

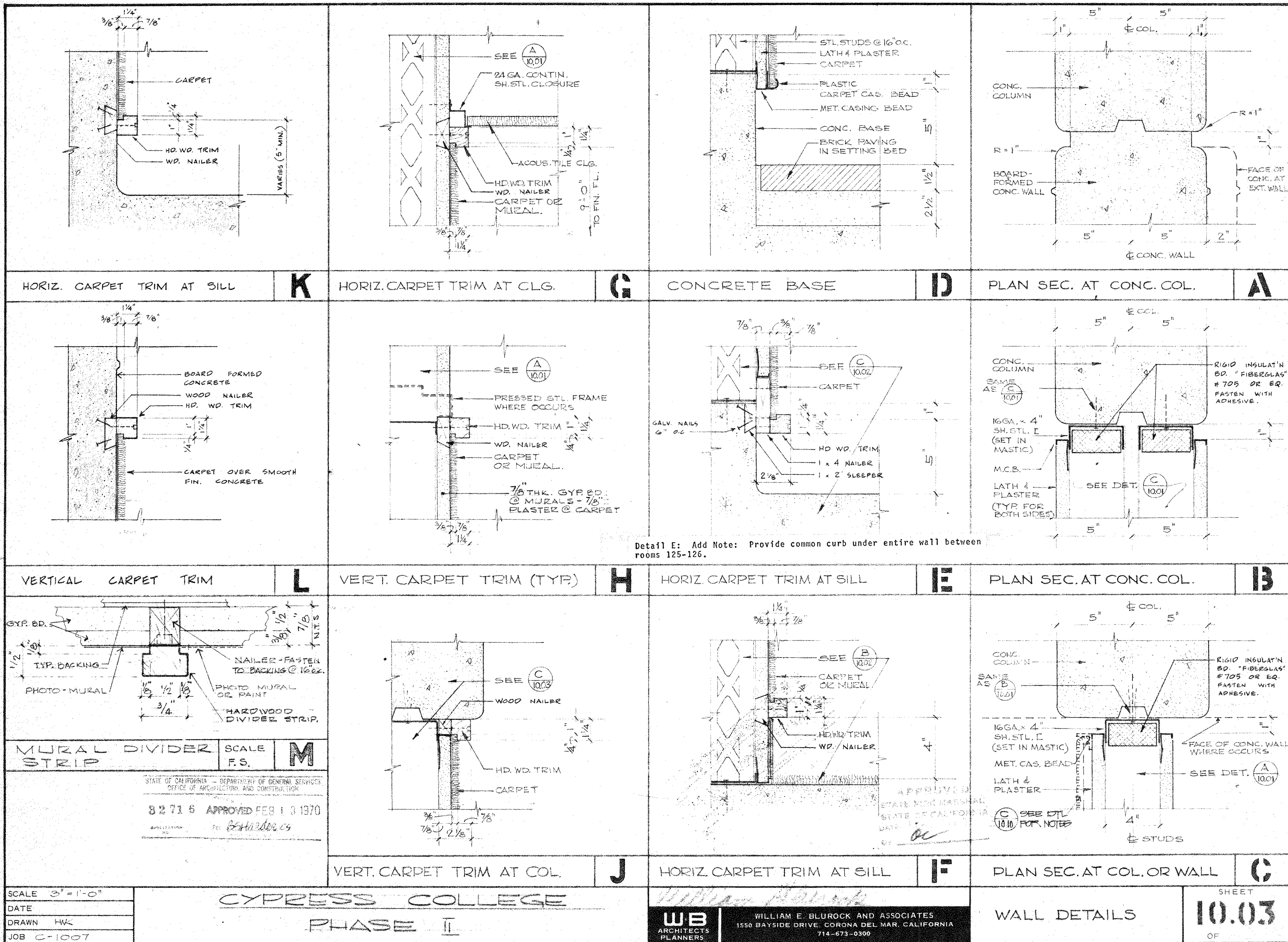
SHEET

10.01

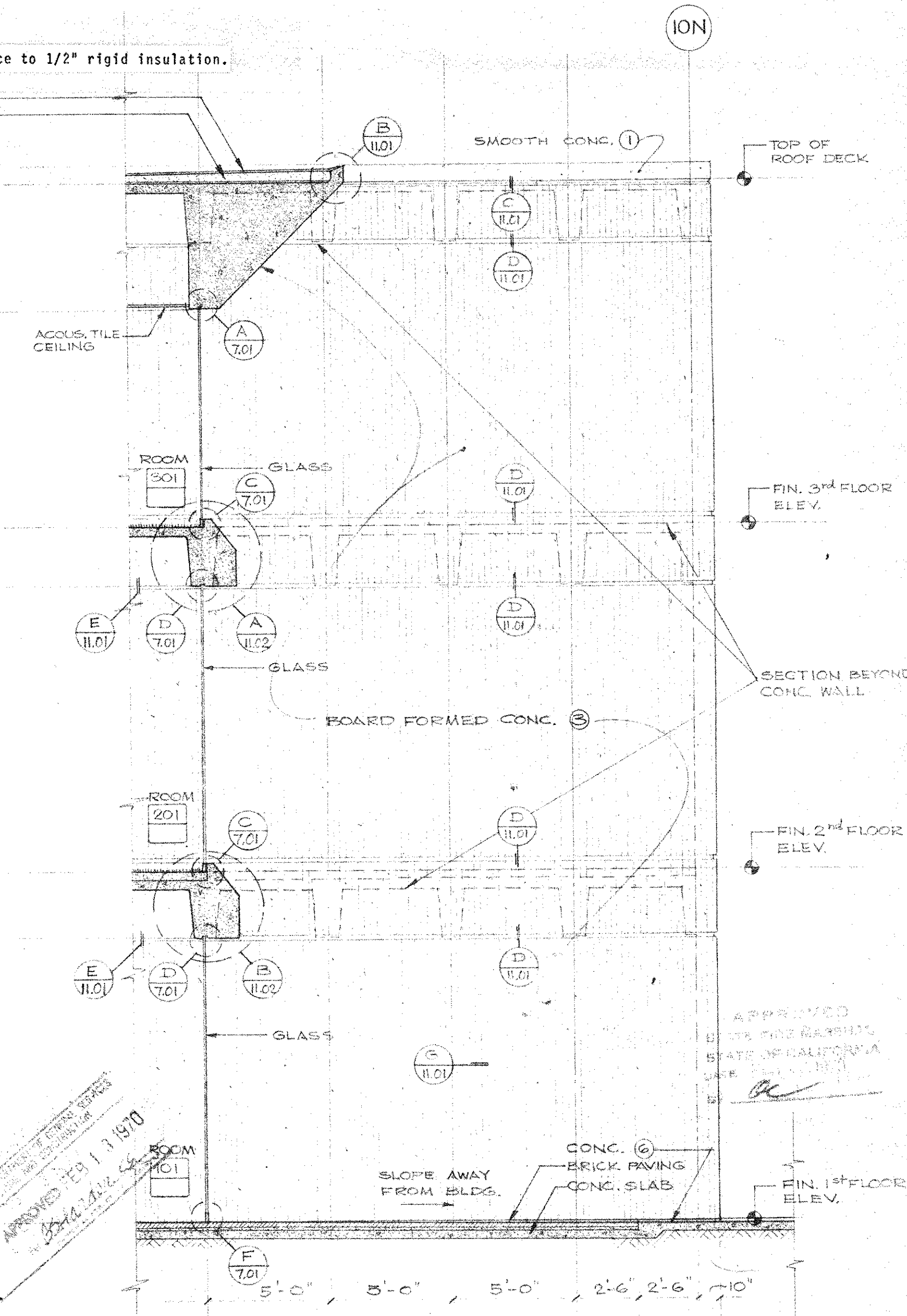
OF

<p>SUSP. CLG. AT PLASTER WALL <b>K</b></p>	<p>SUSP. CLG. AT CER. TILE WALL <b>G</b></p>	<p>RESILIENT BASE <b>D</b></p>	<p>RESILIENT BASE <b>A</b></p>
<p>SUSP. CLG. AT CONC. WALL <b>L</b></p>	<p>CER. TILE WALL AT FLOOR <b>H</b></p>	<p>RESILIENT BASE <b>E</b></p>	<p>RESILIENT BASE <b>B</b></p>
<p>RESILIENT BASE <b>M</b></p>	<p>CER. TILE BASE <b>J</b></p>	<p>CER. TILE BASE <b>F</b></p>	<p>CONCRETE BASE <b>C</b></p>
<p>SCALE 3" = 1'-0"</p>	<p>CYPRESS COLLEGE PHASE II</p>	<p>WB ARCHITECTS PLANNERS WILLIAM E. BLUROCK AND ASSOCIATES 1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA 714-873-0300</p>	<p>WALL DETAILS SHEET 10.02 OF</p>





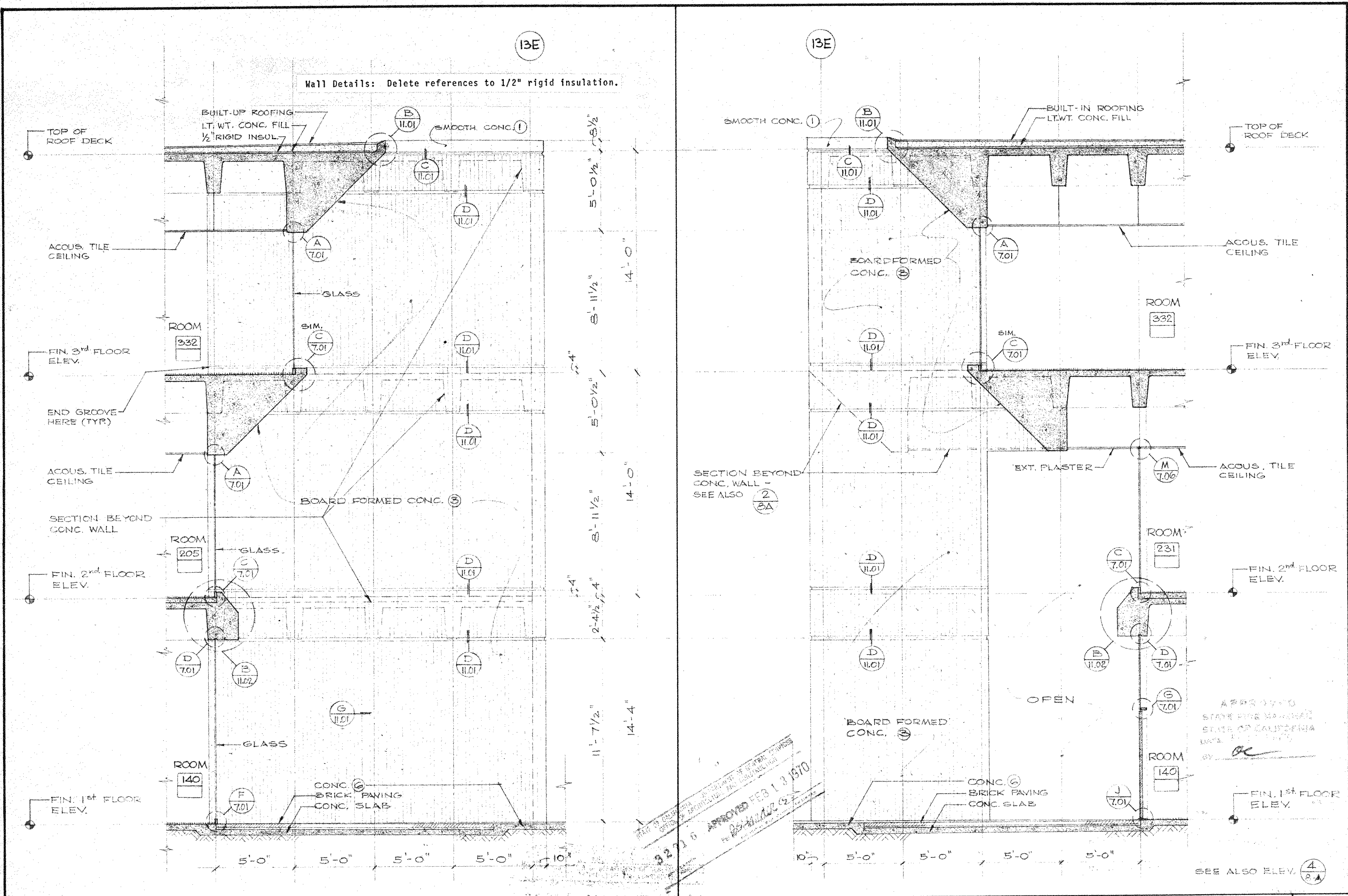
Detail E: Add Note: Provide common curb under entire wall between rooms 125-126.



WALL SECTION AT EAST SIDE OF STAIR # 1 - LOOKING EAST  
BUILDING "A"

SHEET  
10.04  
OF





WALL SECTION AT NORTH SIDE OF STAIR #2 - LOOKING NORTH  
OF STAIR #3 - OPPOSITE HAND

WALL SECTION AT SOUTH SIDE OF STAIR #2 - LOOKING SOUTH  
OF STAIR #3 - SIMILAR OPPOSITE HAND

SCALE 1/4" = 1'-0"

DATE

DRAWN HK

JOB C-1007

CYPRESS COLLEGE

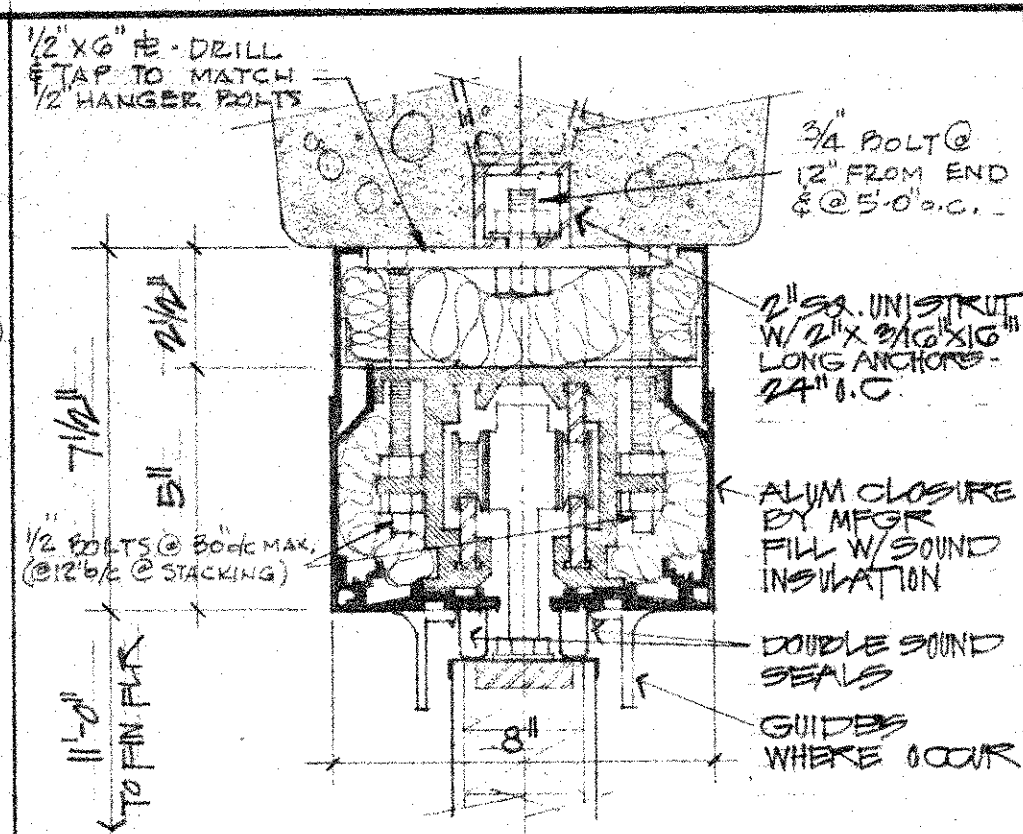
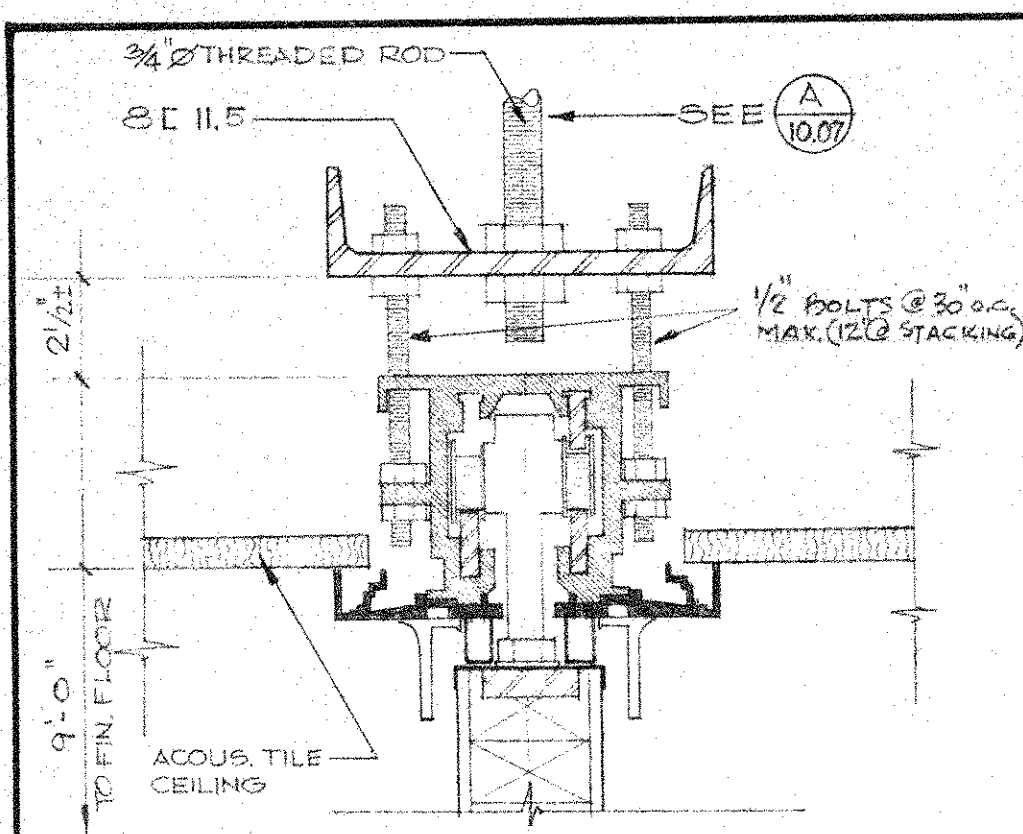
PHASE II

WB  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

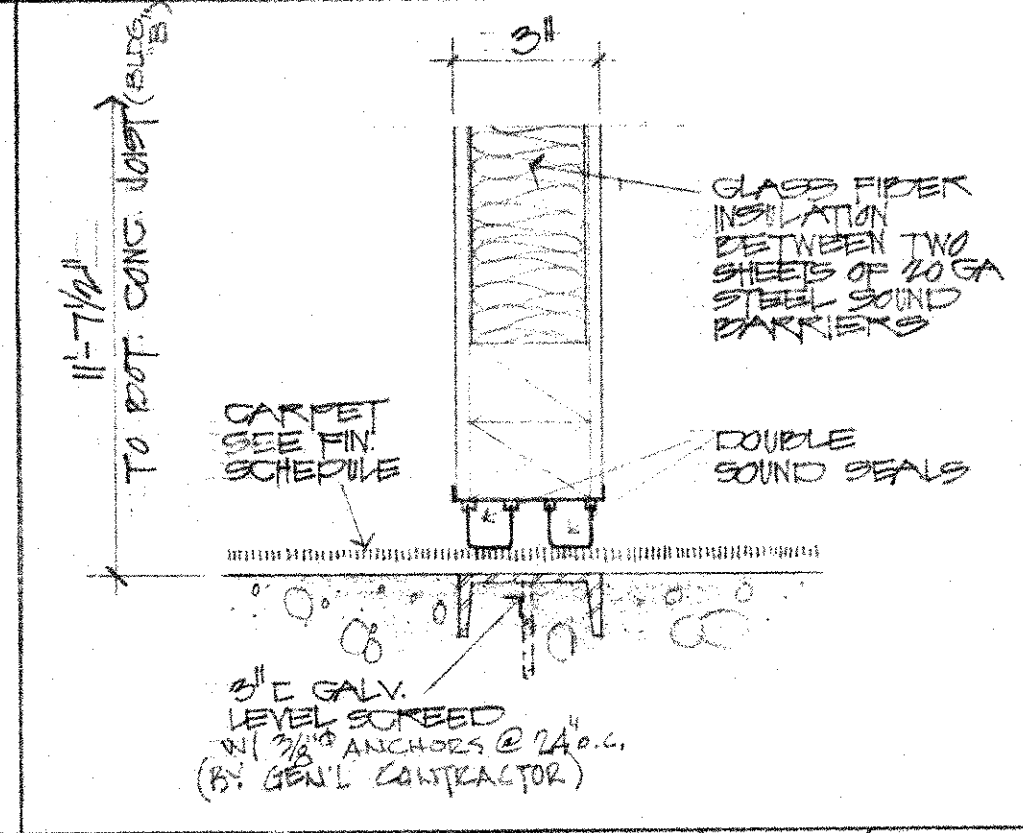
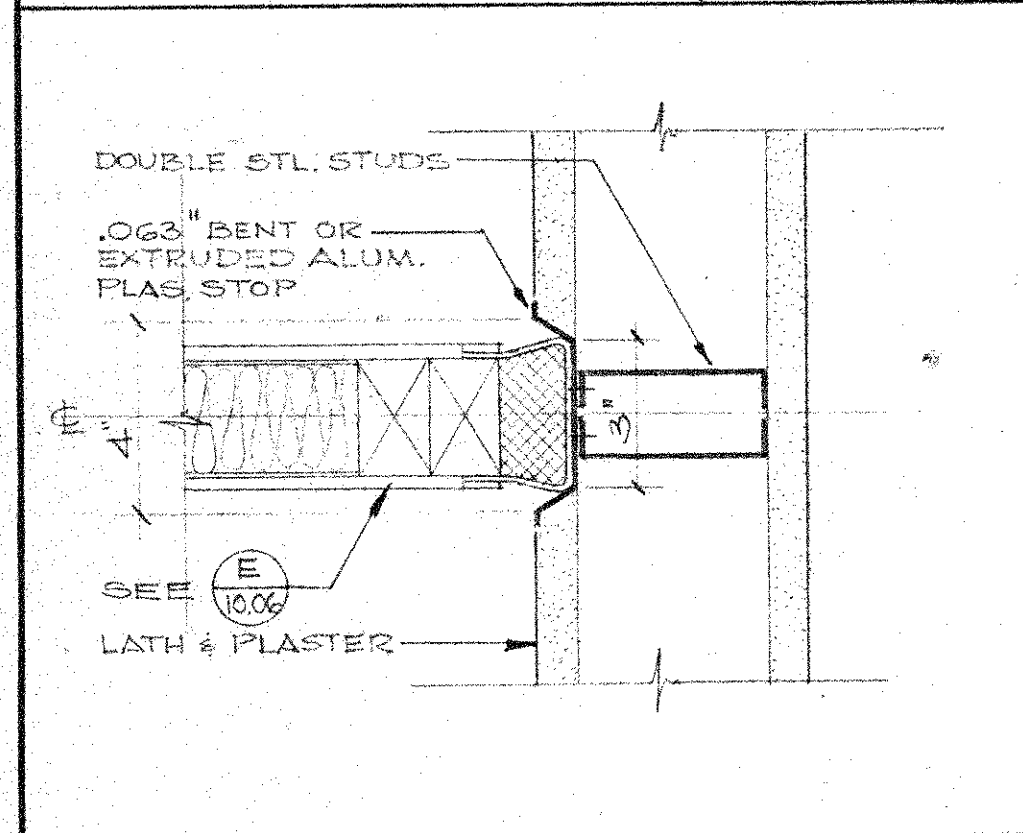
WALL DETAILS

SHEET  
10.05  
OF



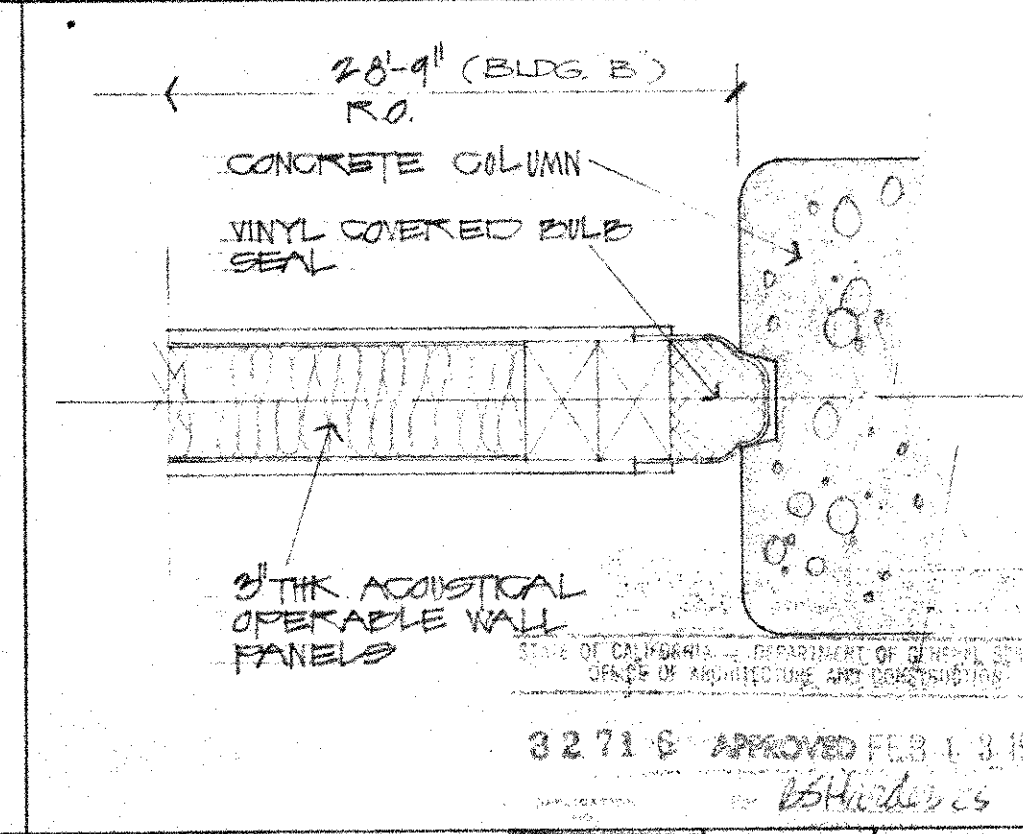
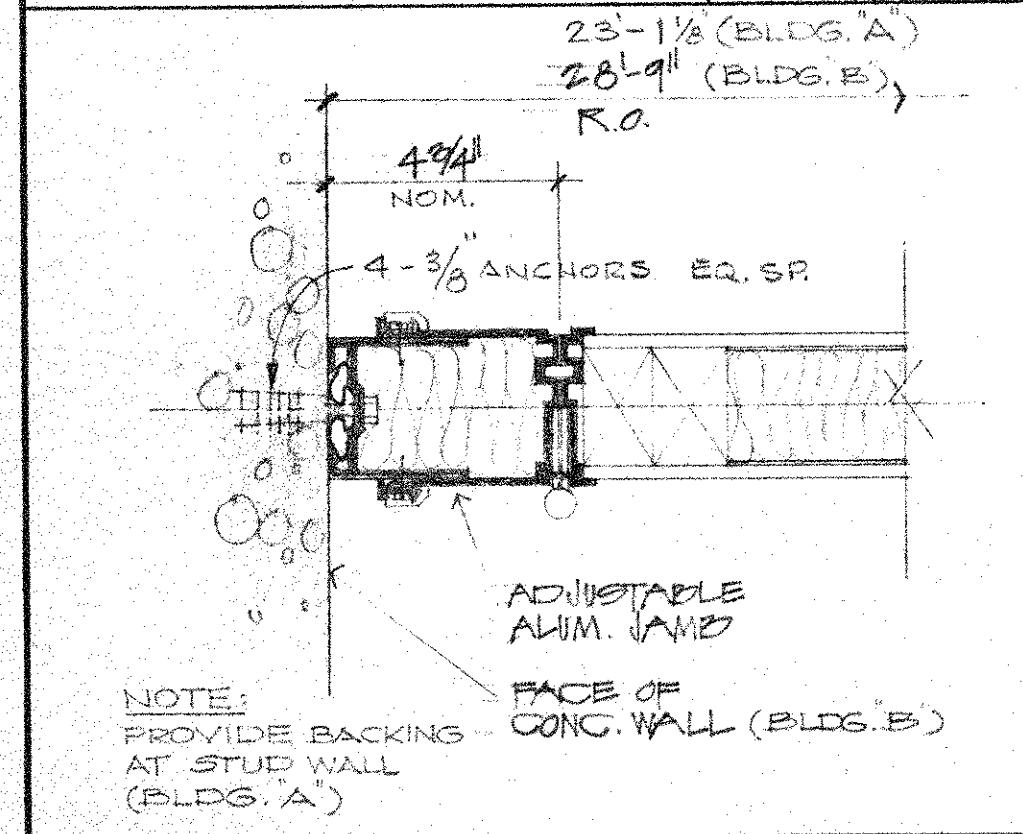
HEAD SCALE 3"=1'-0" **F**

HEAD SCALE 3"=1'-0" **C**



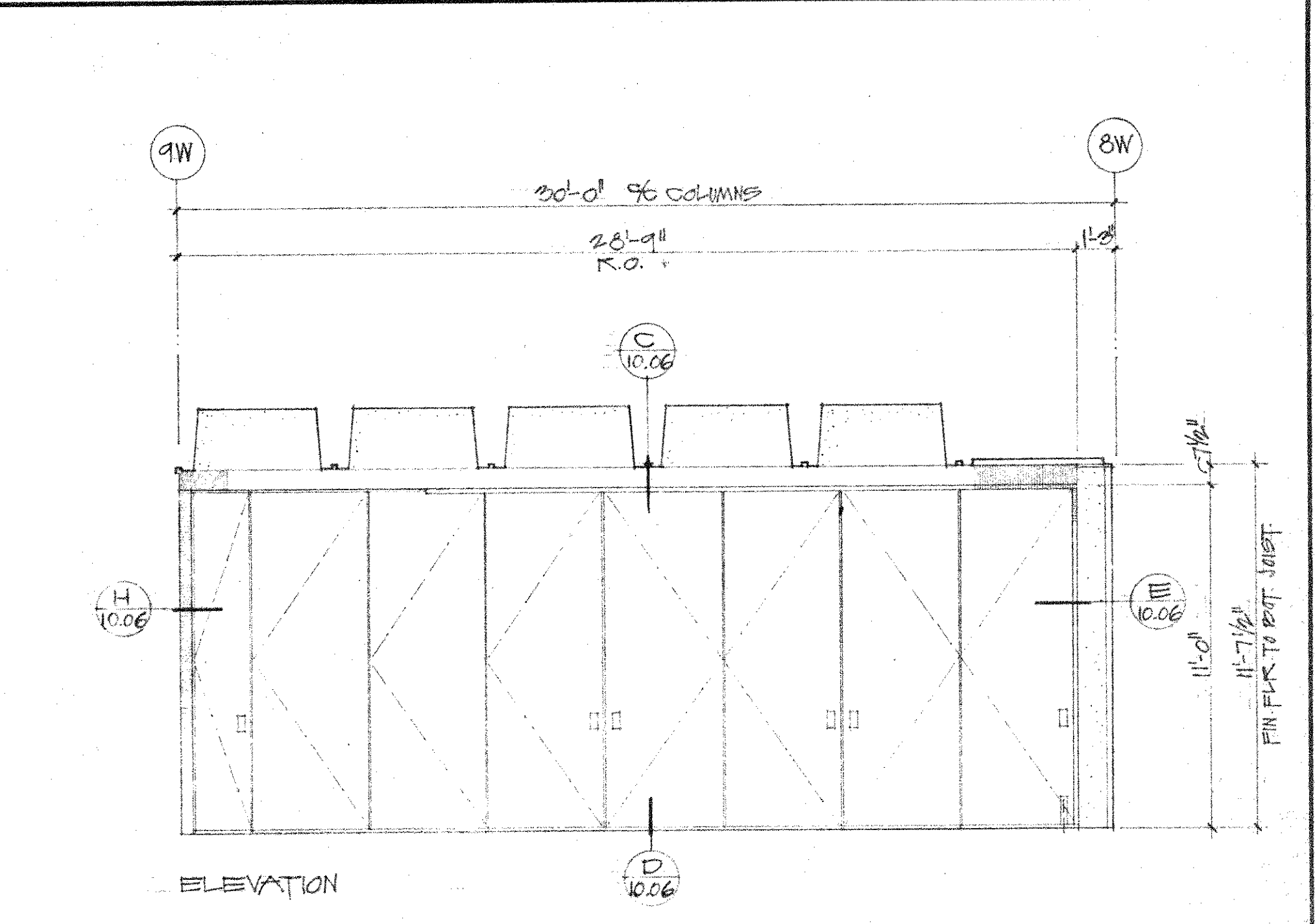
JAMB SCALE 3"=1'-0" **E**

SILL SCALE 3"=1'-0" **D**



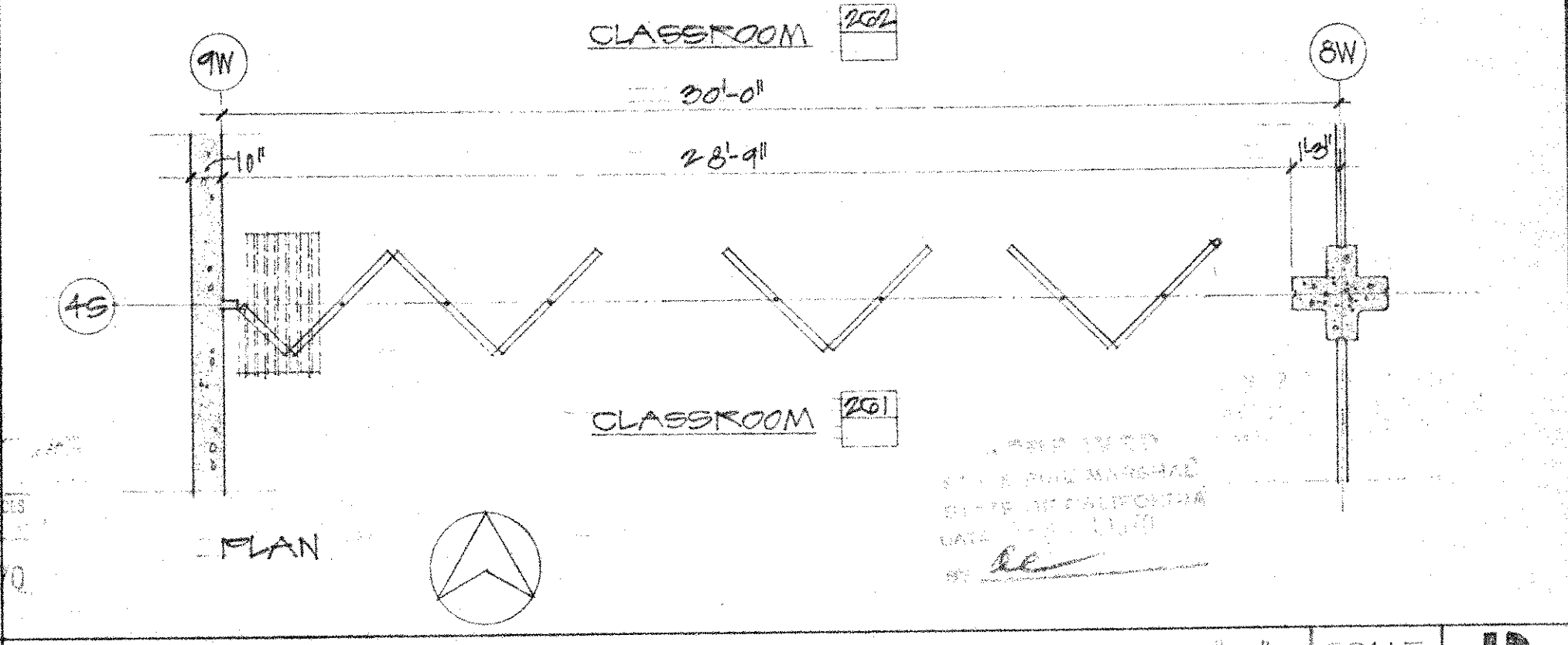
FIXED JAMB SCALE 3"=1'-0" **H**

JAMB SCALE 3"=1'-0" **I**



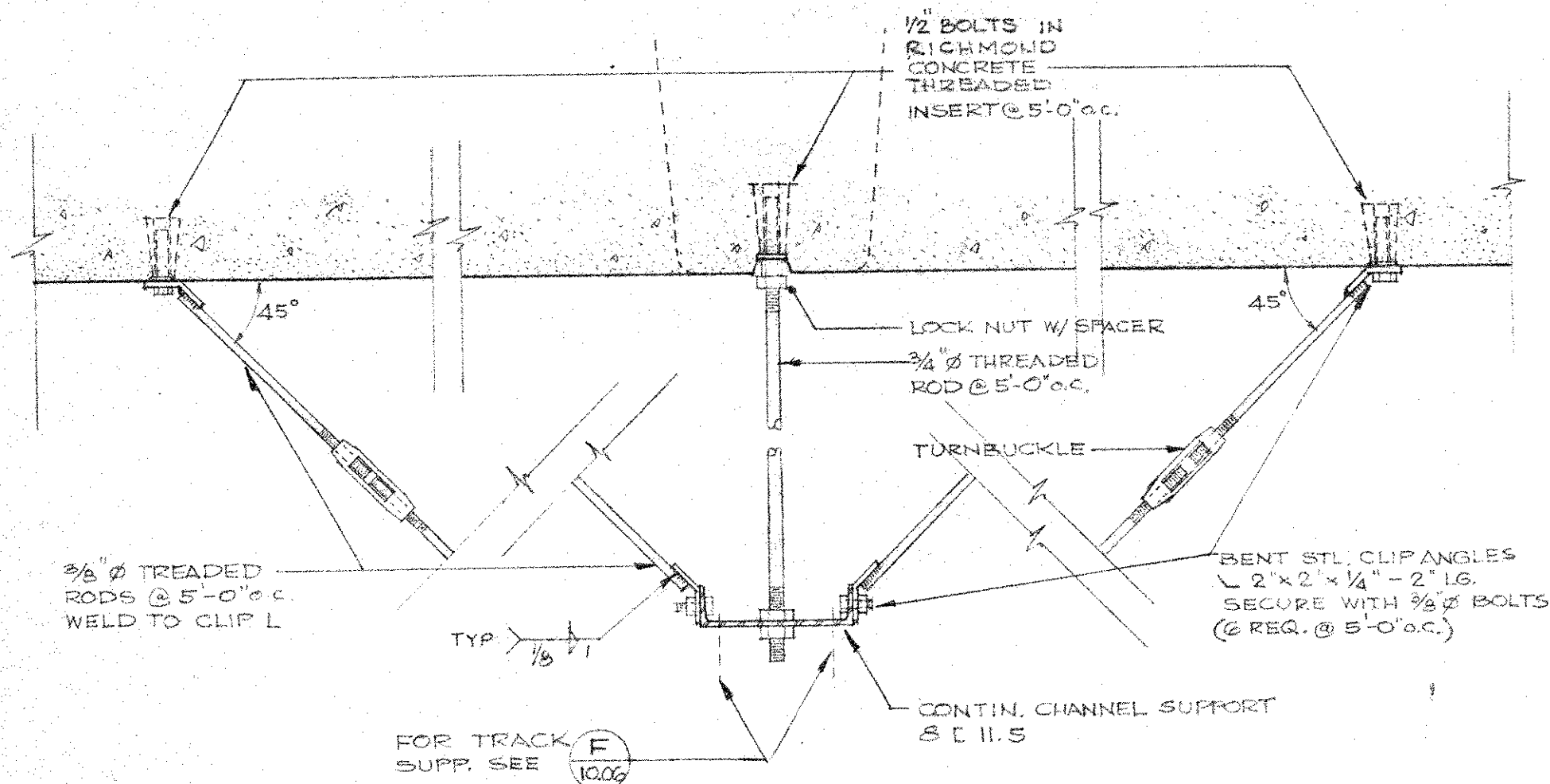
NOTE:  
OPERABLE WALL SHALL BE COVERED WITH VINYL FABRIC BOTH SIDES  
Modify to indicate ceiling contact guard with out-riggers to support adjacent acoustical ceiling. Refer to Addendum drawing for Head Section requirements.

OPERABLE WALL - ELEVATION - BLDG. "B" SCALE 1/4"=1'-0" **A**



PARTIAL PLAN - OPERABLE WALL - BLDG. "B" SCALE 1/4"=1'-0" **B**

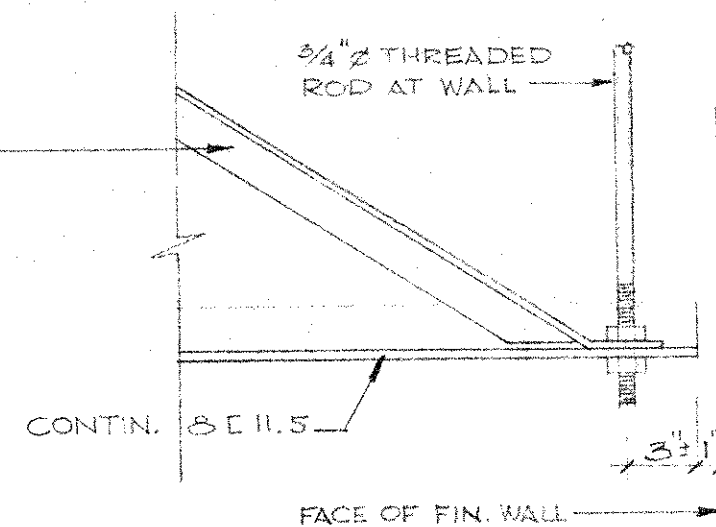
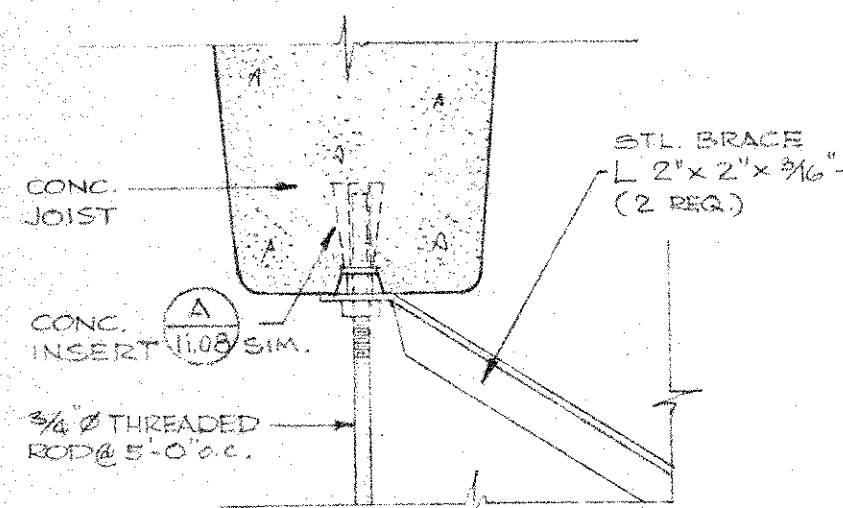




CROSS-SECTION THROUGH HEAD SUPPORT

SCALE  
1 1/2" = 1'-0"

**B**



STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

32716 APPROVED FEB 13 1979

APPROVED BY *Bohlander* CS

HEAD BRACING

SCALE  
1 1/2" = 1'-0"

**D**

HEAD BRACING

SCALE  
1 1/2" = 1'-0"

**C**

SCALE AS NOTED

DATE

DRAWN HWK

JOB C-1007

CYPRESS COLLEGE

PHASE II

**WB**  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

WALL DETAILS

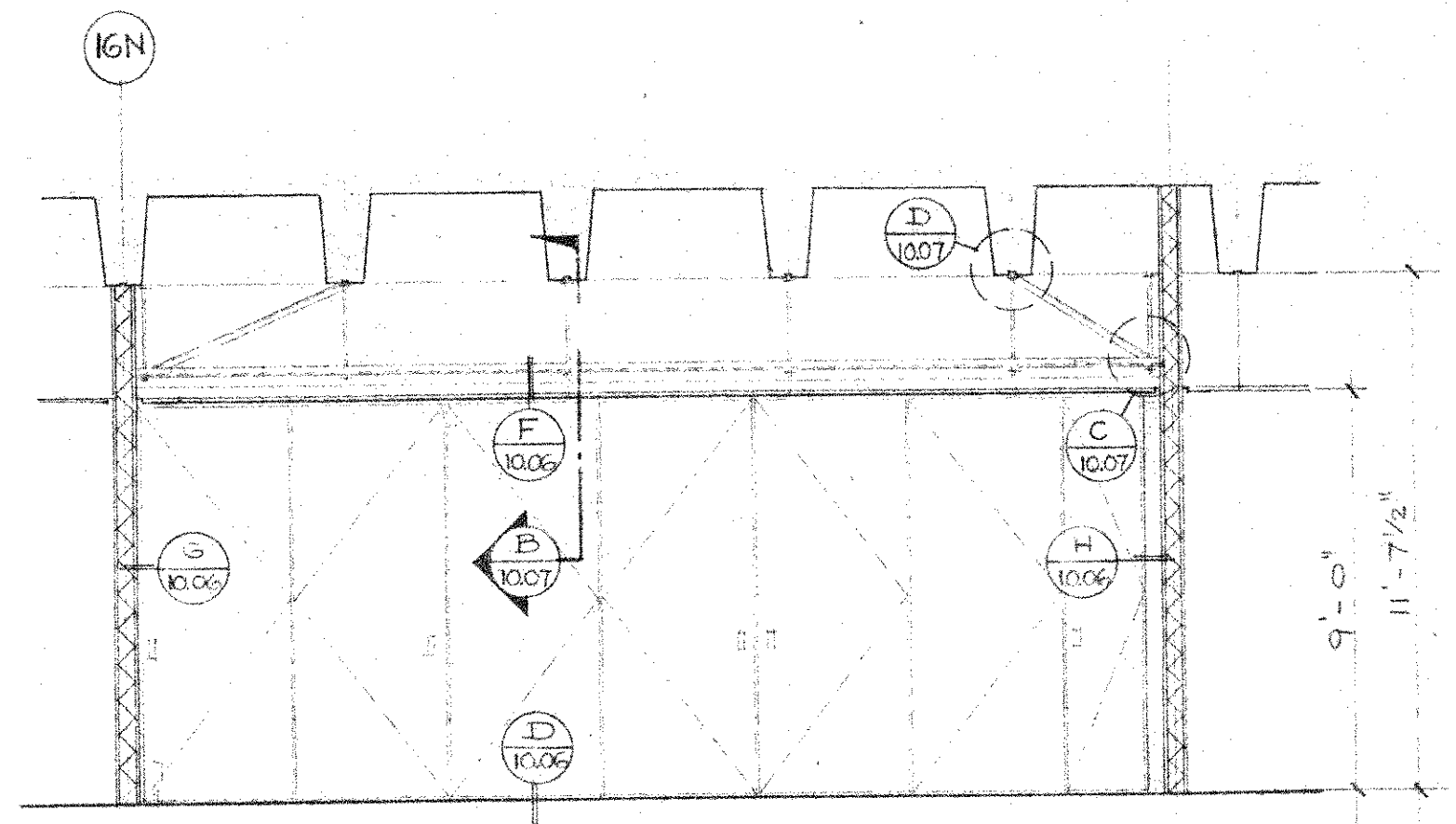
SCALE  
1/4" = 1'-0"

**A**

SHEET

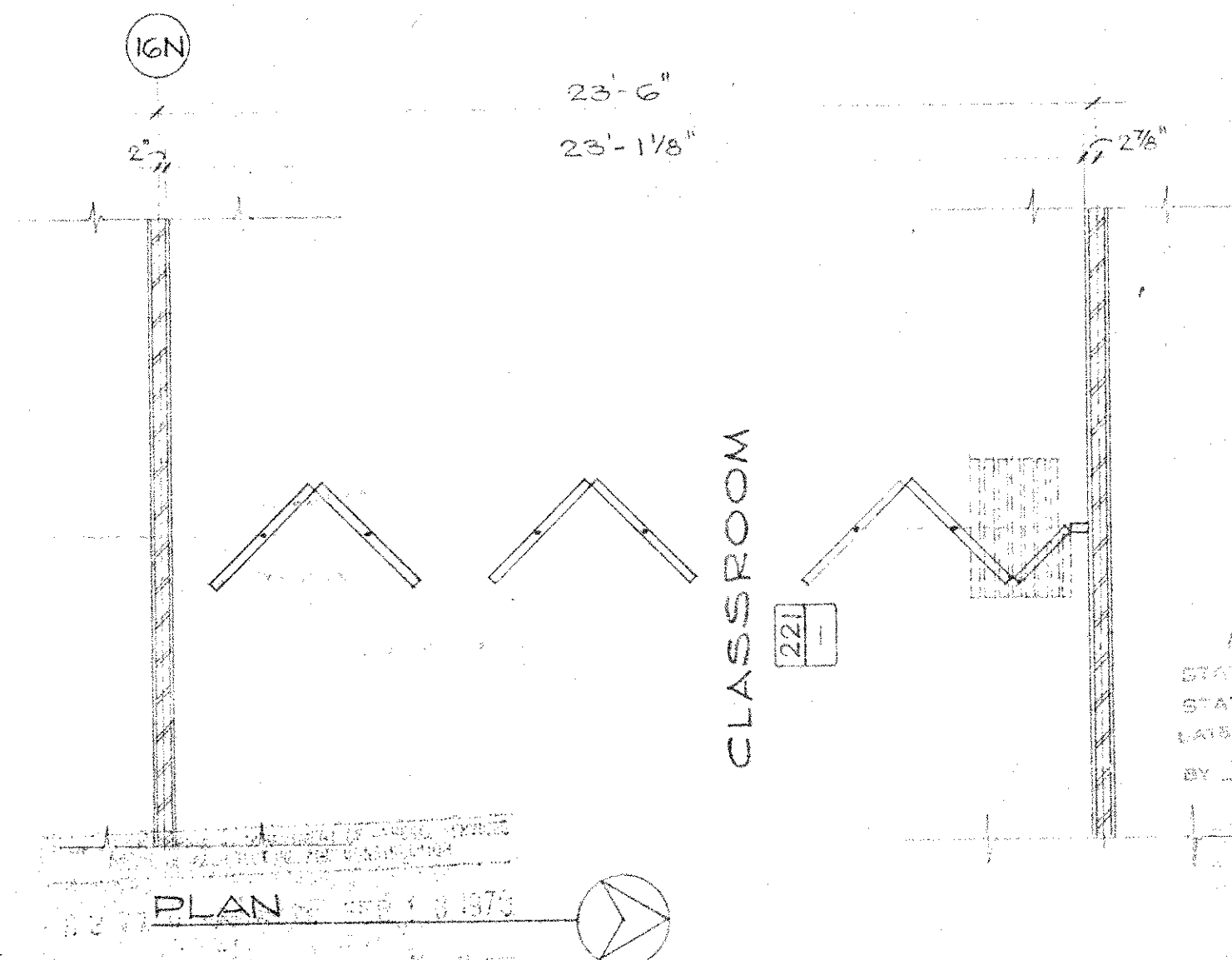
10.07

OF



ELEVATION

Modify to indicate ceiling contact guard with outriggers to support adjacent acoustical ceiling. Refer to Addendum drawing for Head Section requirements.



OPERABLE WALL - BLDG. "A"

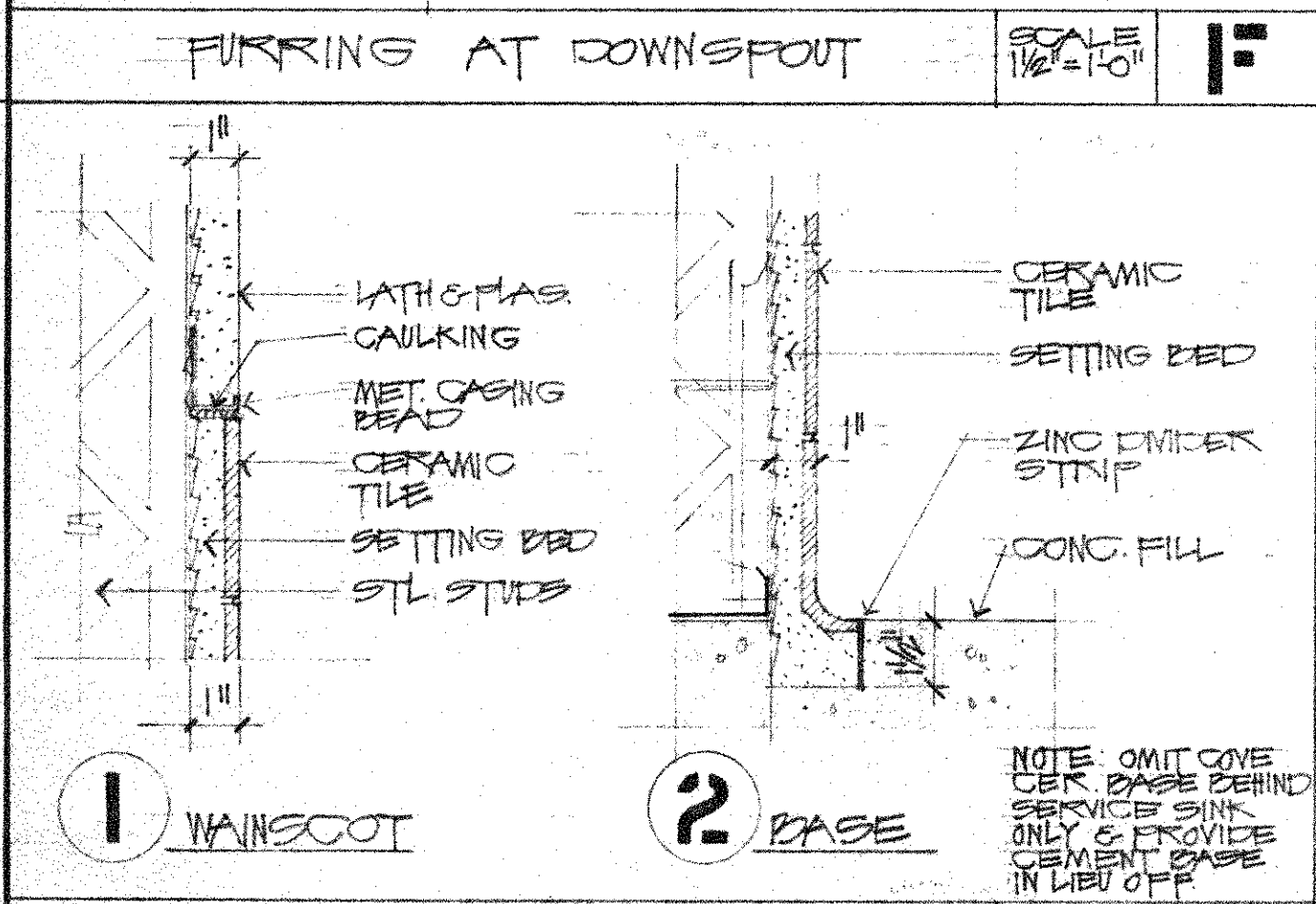
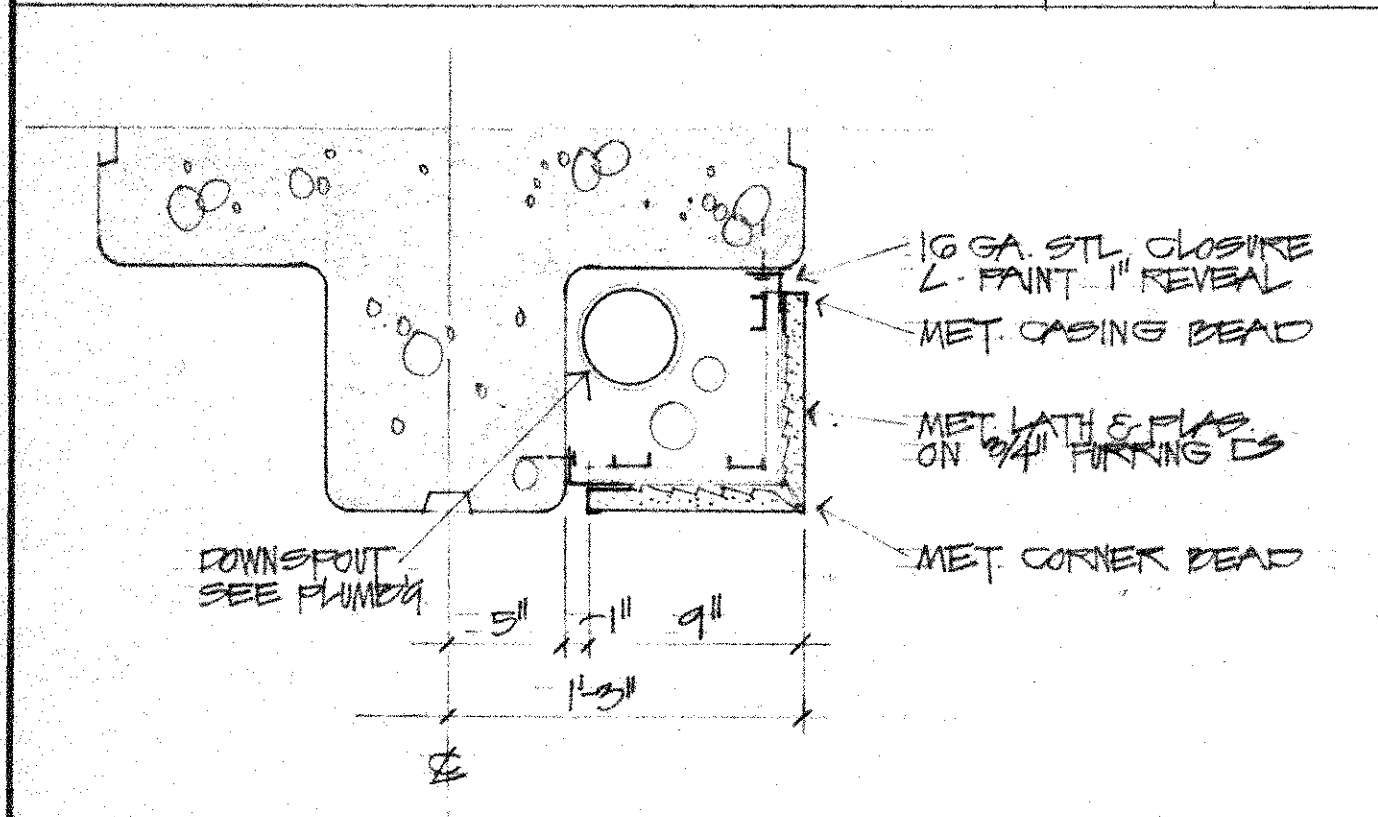
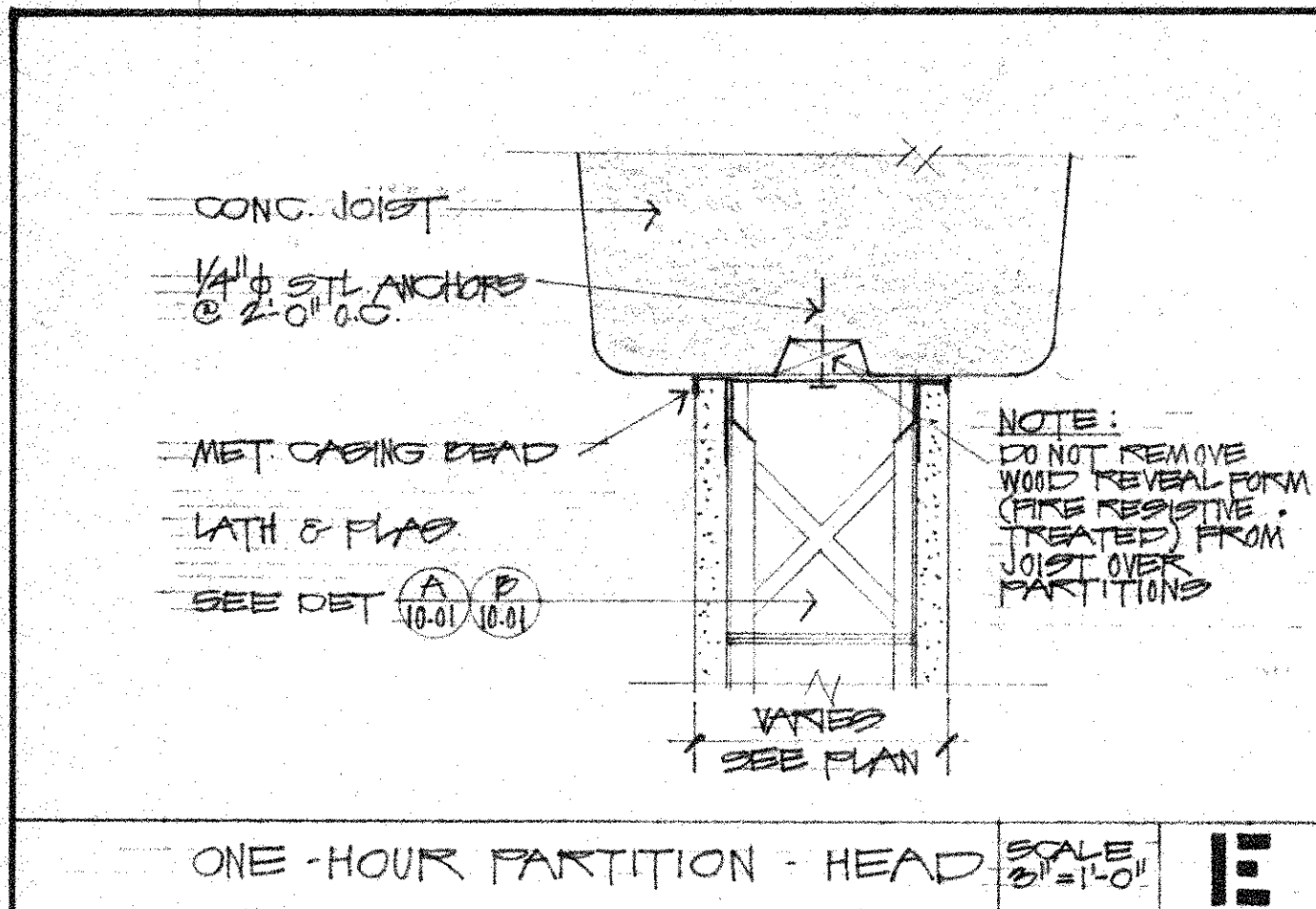
SCALE  
1/4" = 1'-0"

**A**

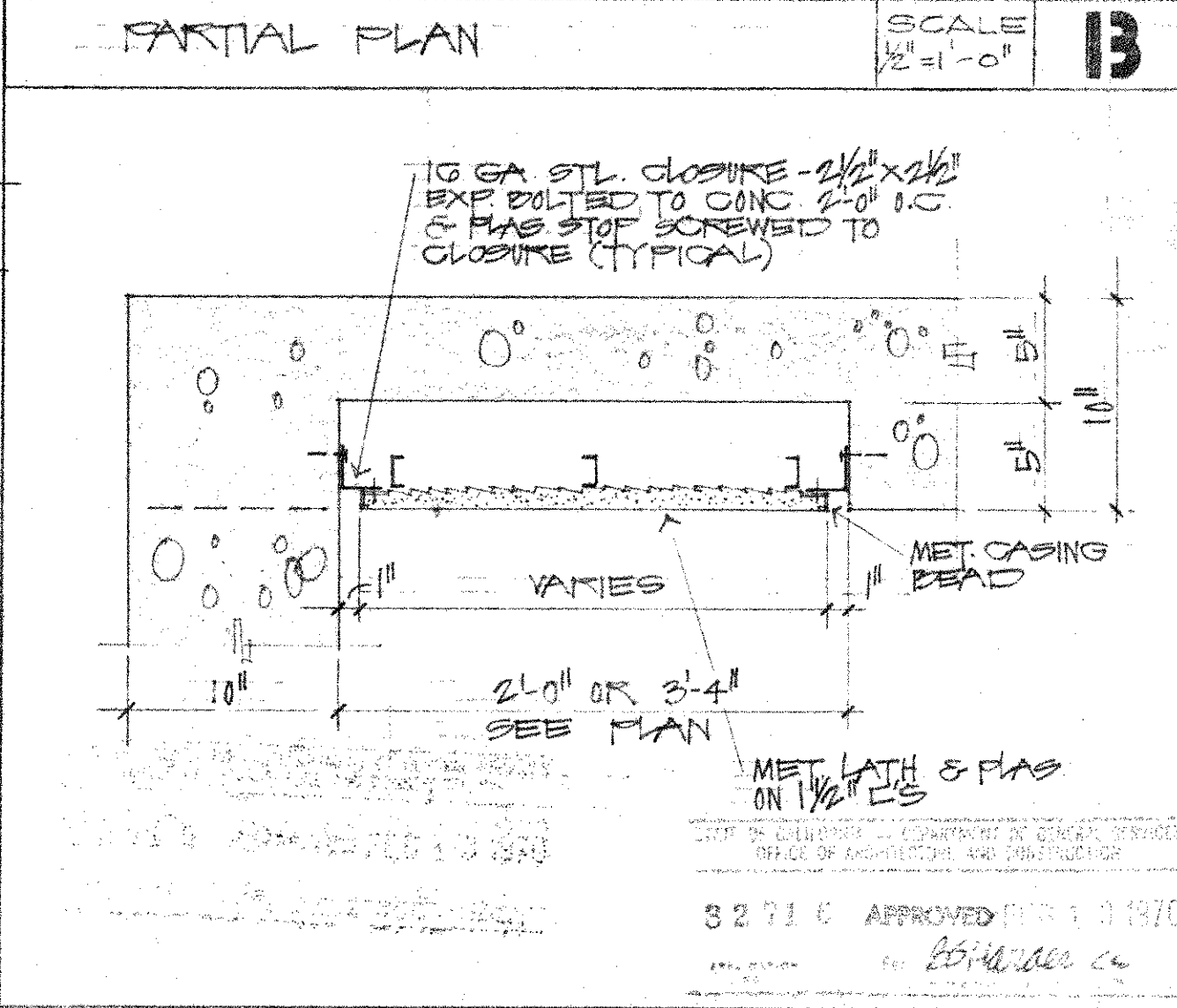
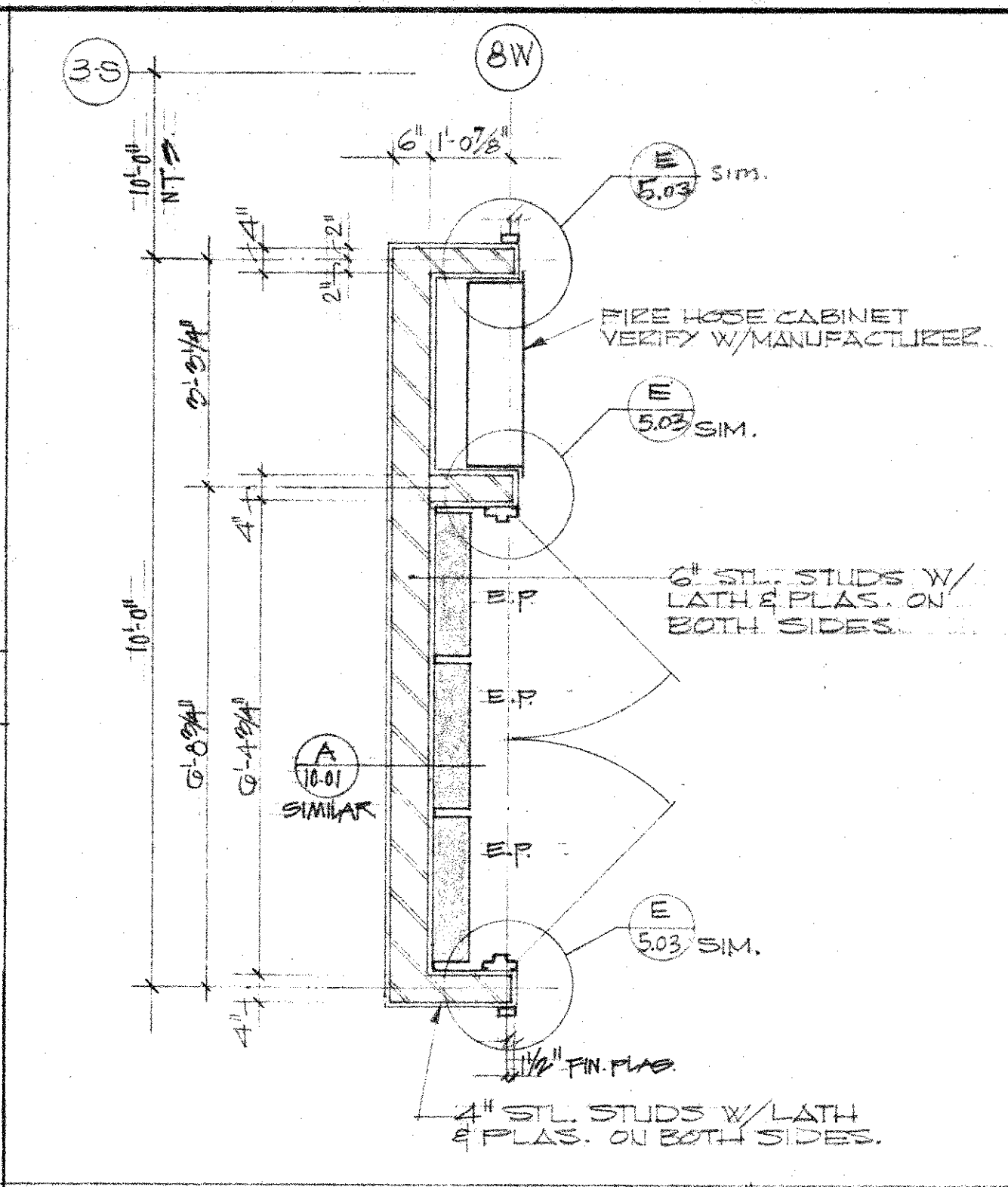
SHEET

10.07

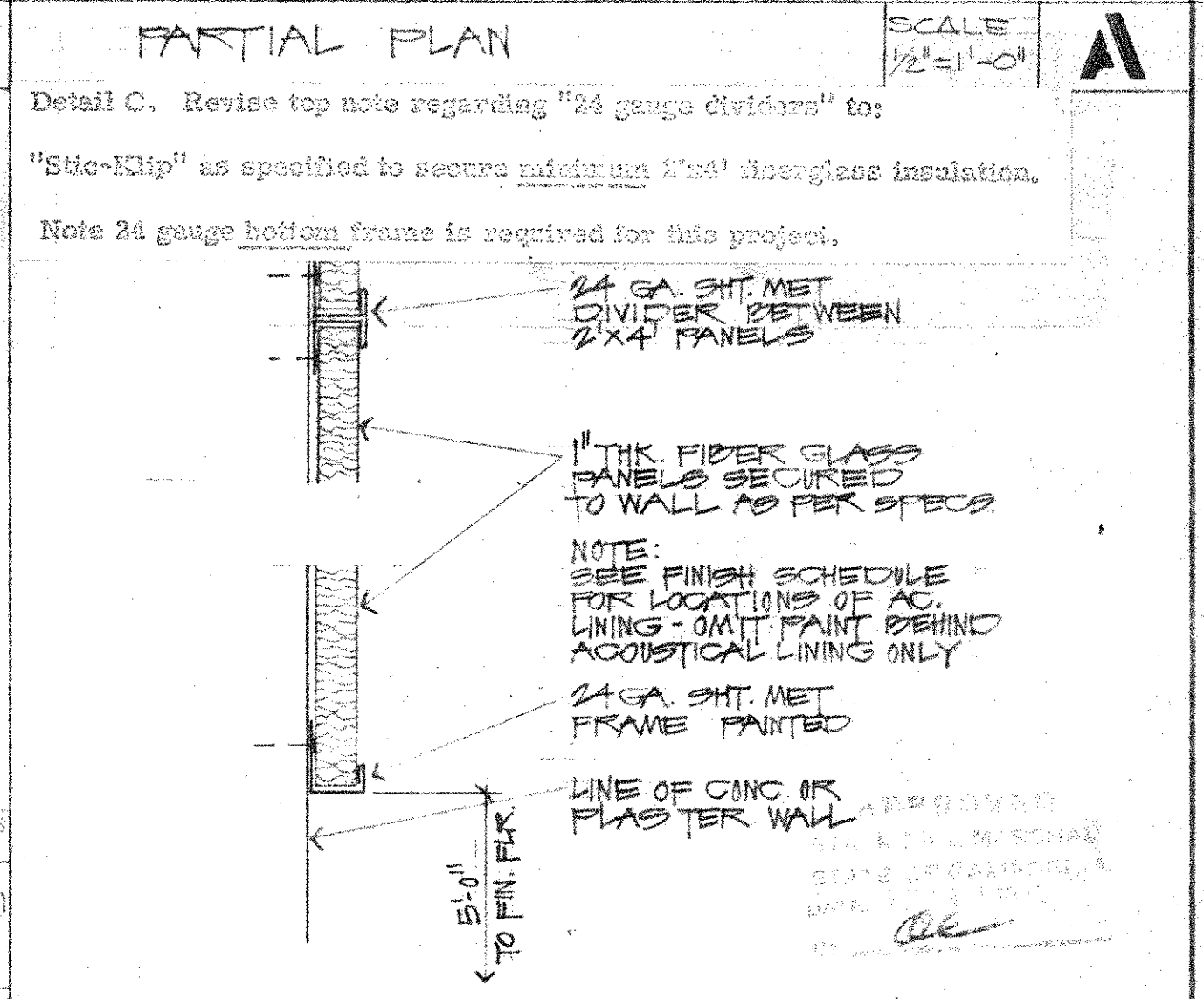
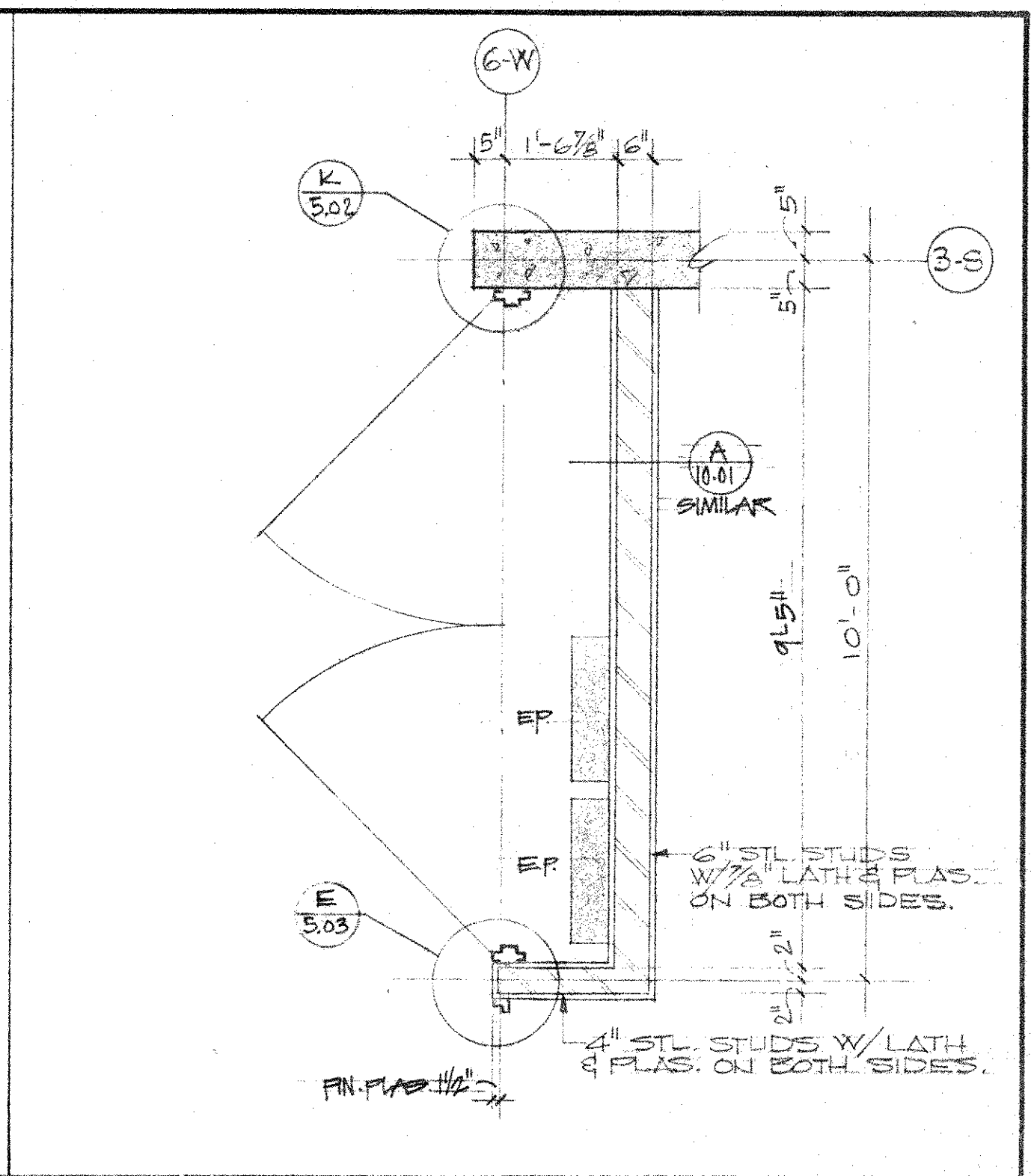
OF



SCALE AS NOTED  
DATE  
DRAWN VON SUND  
JOB C-1007



SCALE 1/2\"/>



SCALE 3/4\"/>

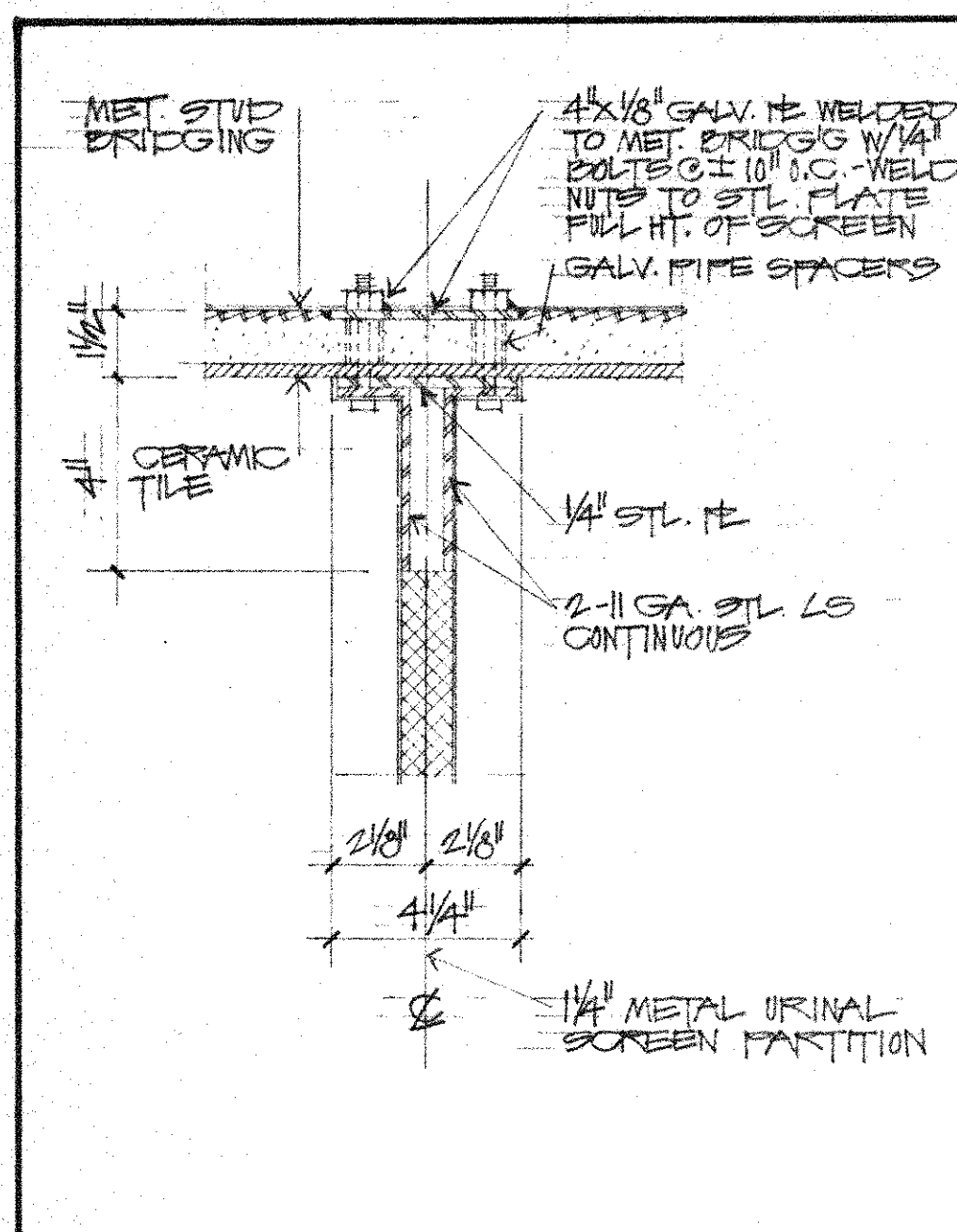
CYPRESS COLLEGE  
PHASE II

WB  
ARCHITECTS  
PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

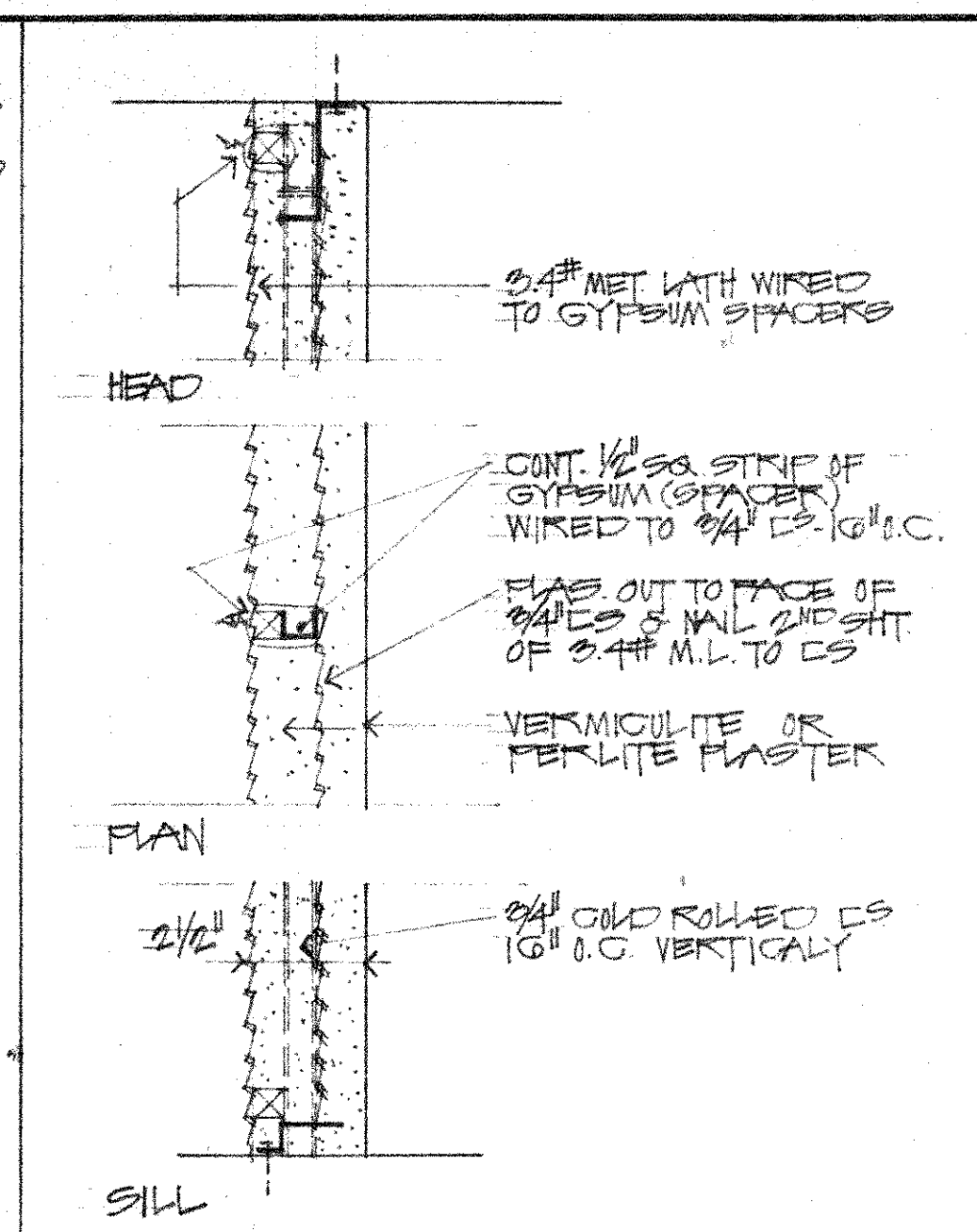
WALL DETAILS

SHEET  
10.08  
OF

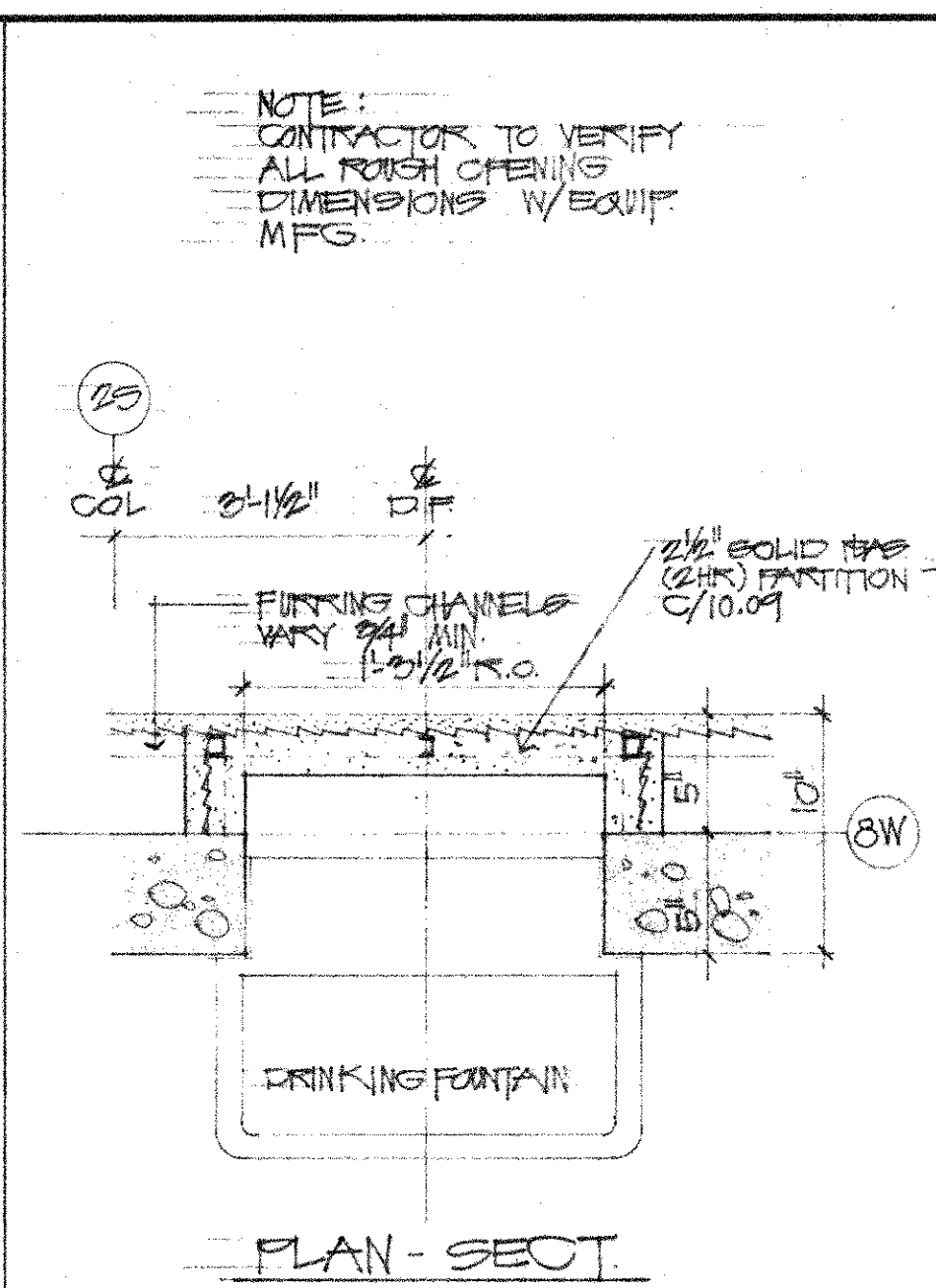




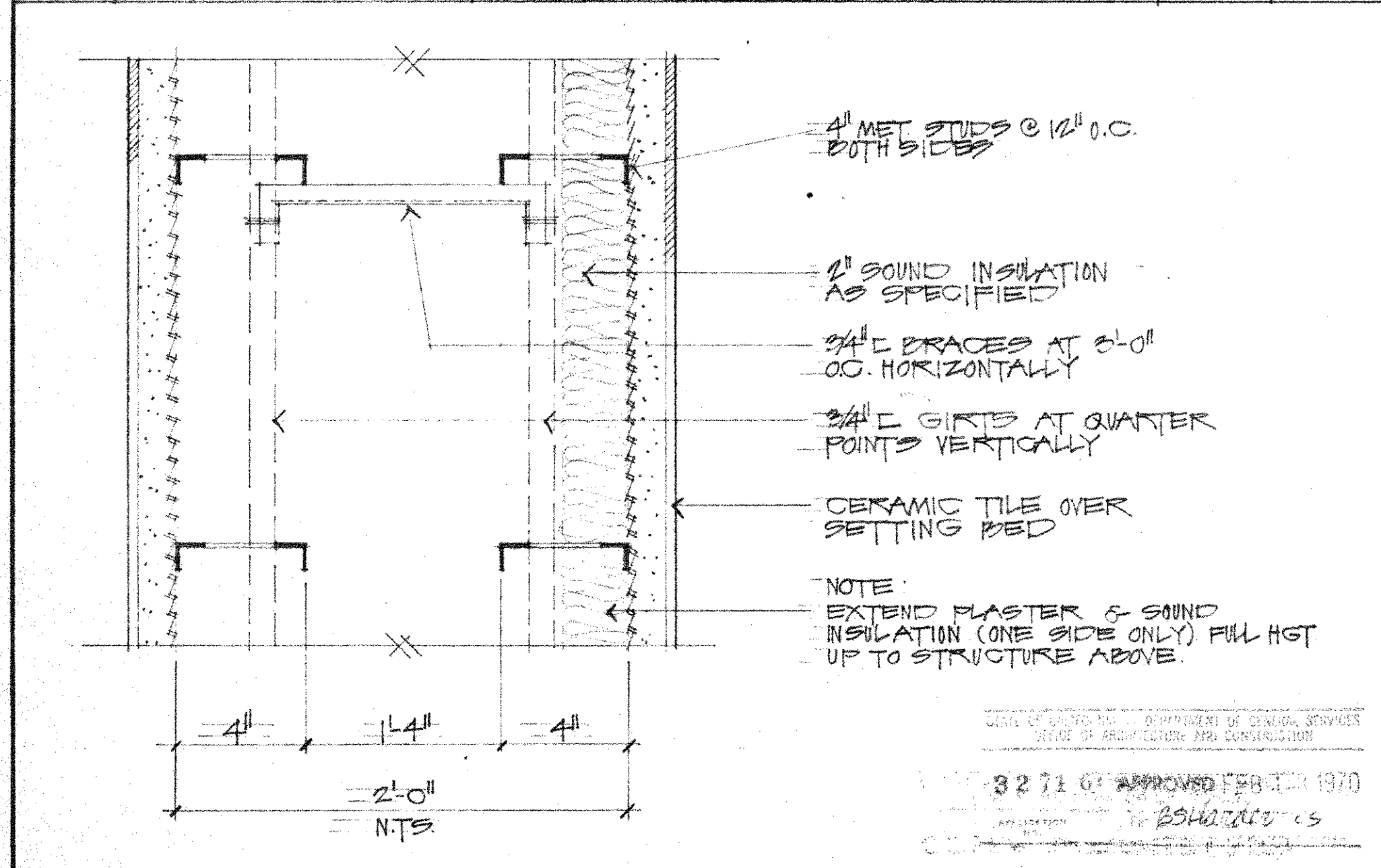
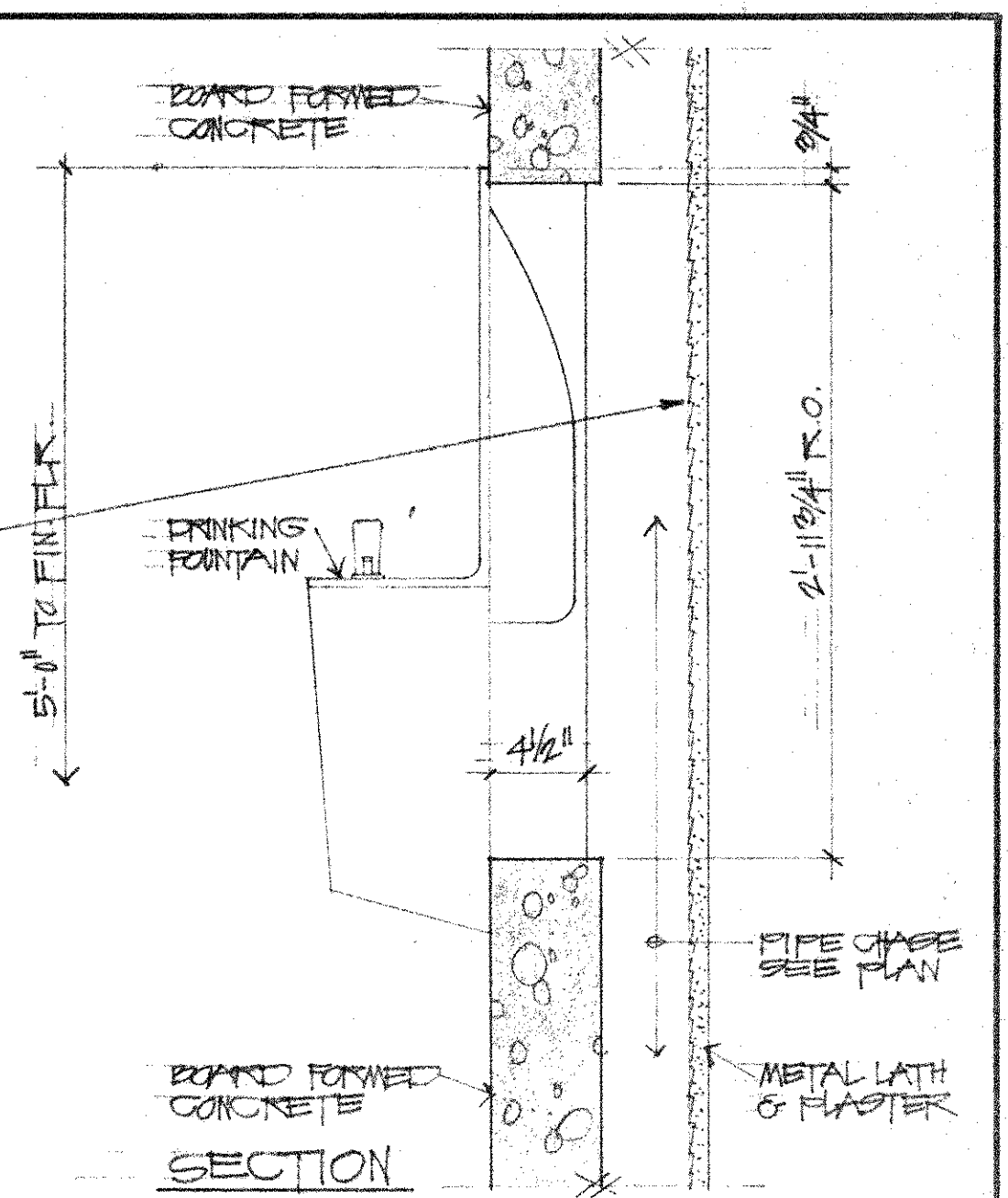
WALL HUNG URINAL SCREEN DETAIL SCALE 2"=1'-0" **D**



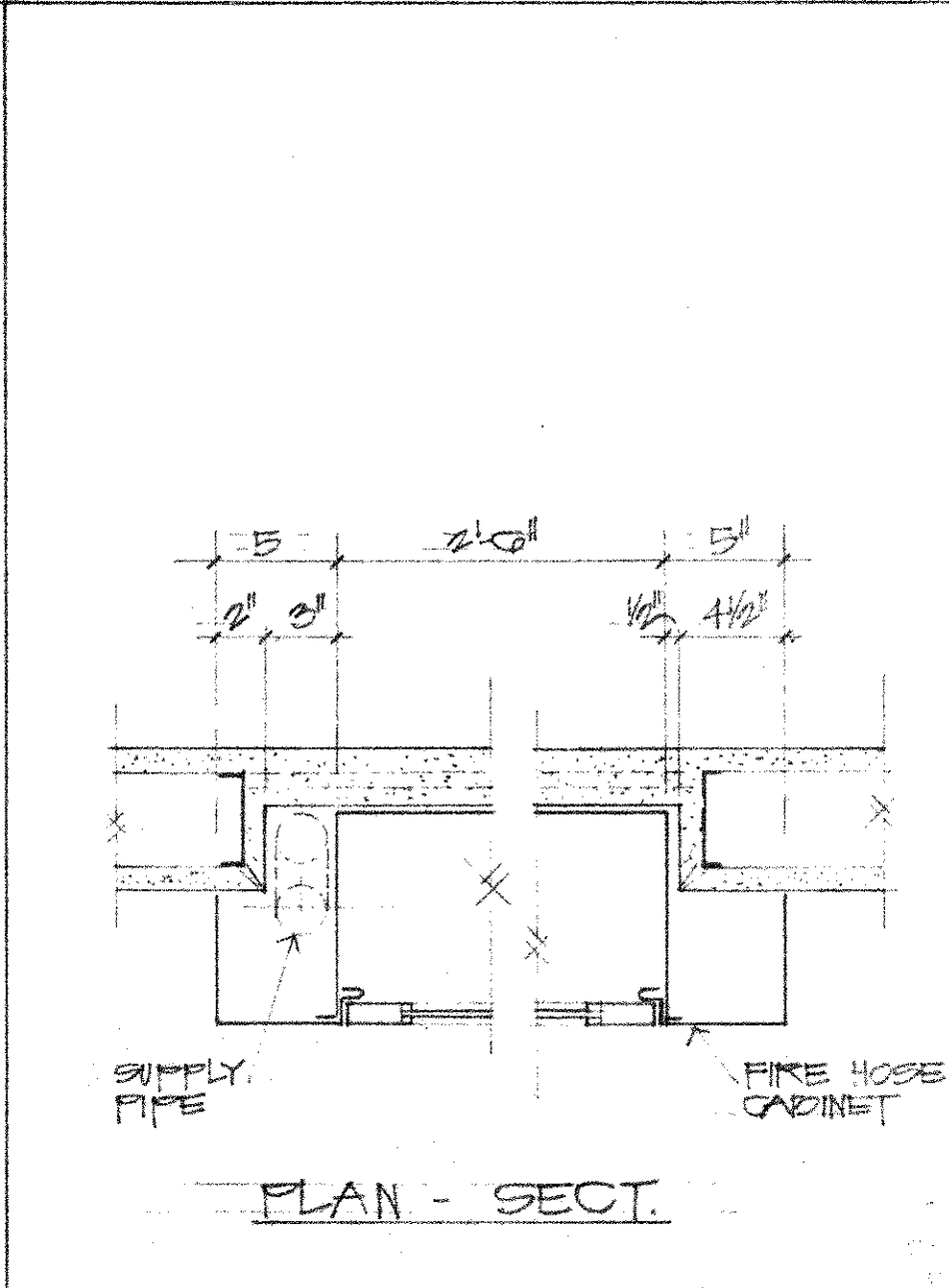
TWO-HOUR PARTITION SCALE 2"=1'-0" **C**



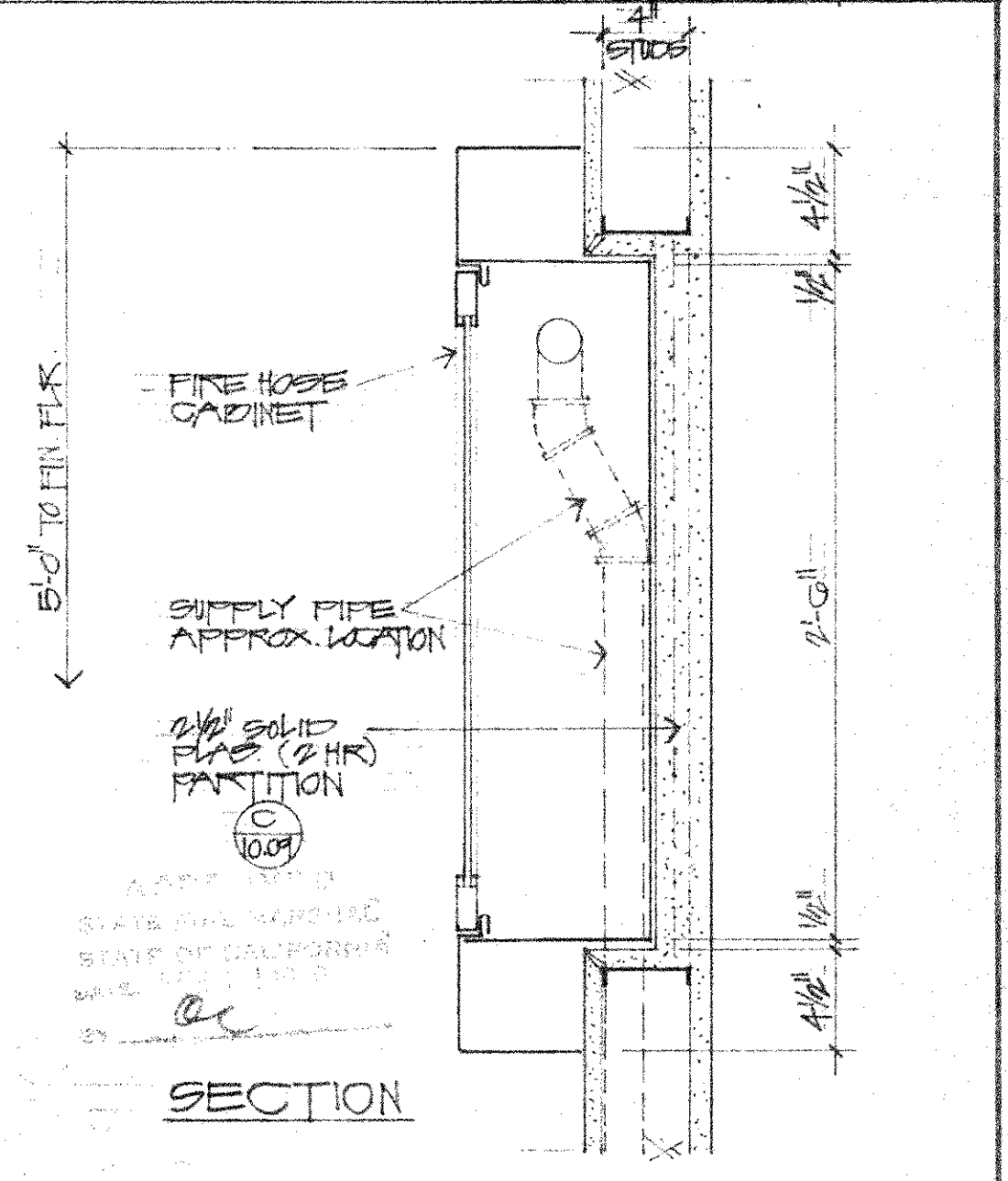
DRINKING FOUNTAIN SCALE 1 1/2"=1'-0" **A**



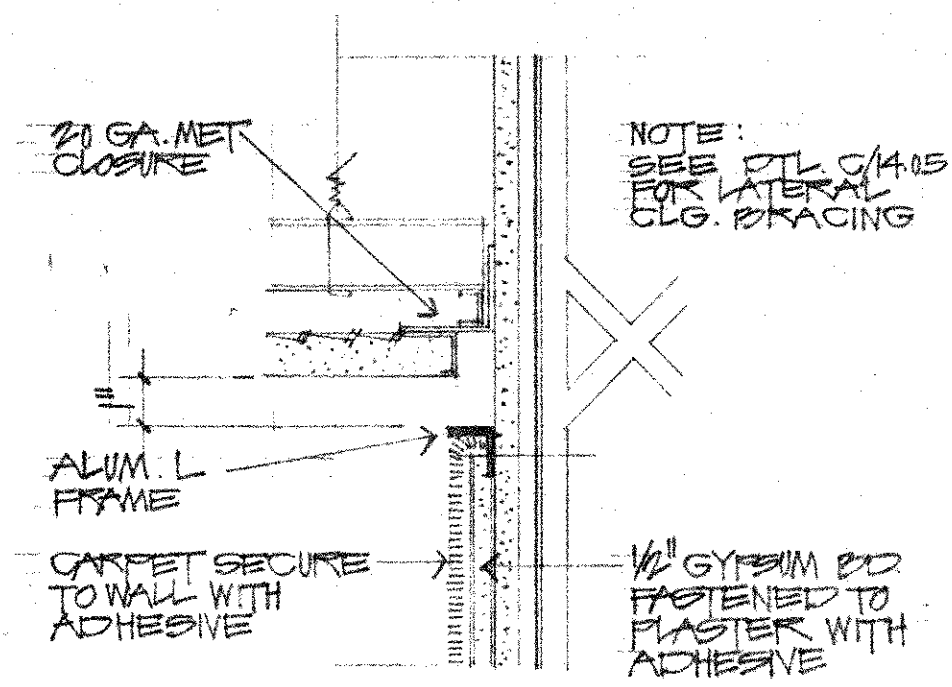
PLUMBING CORE WALL SCALE 2"=1'-0" **E**



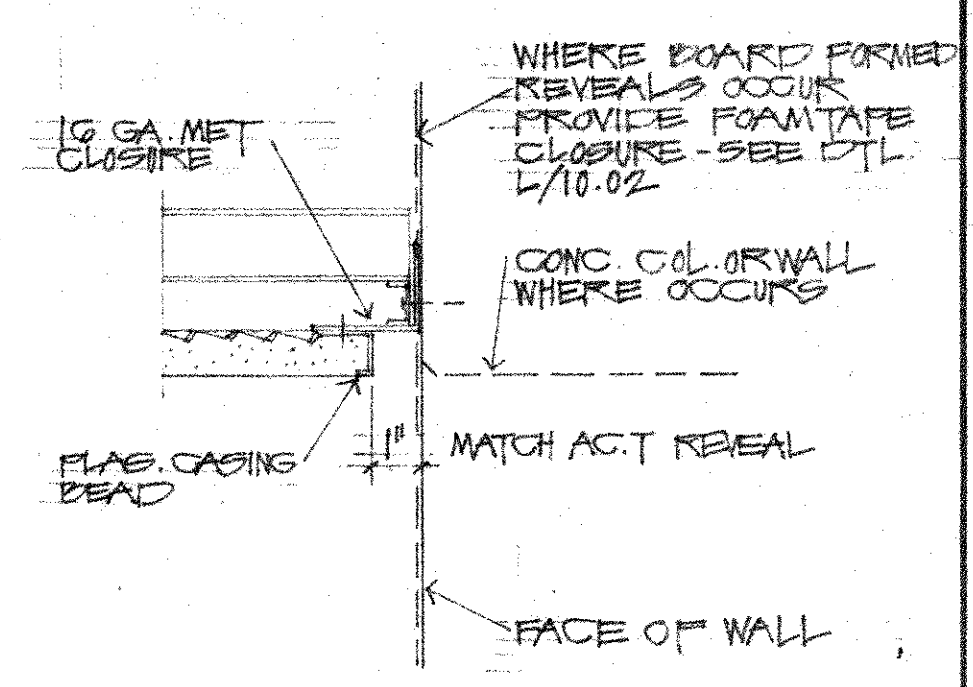
FIRE HOSE CABINET SCALE 1 1/2"=1'-0" **B**



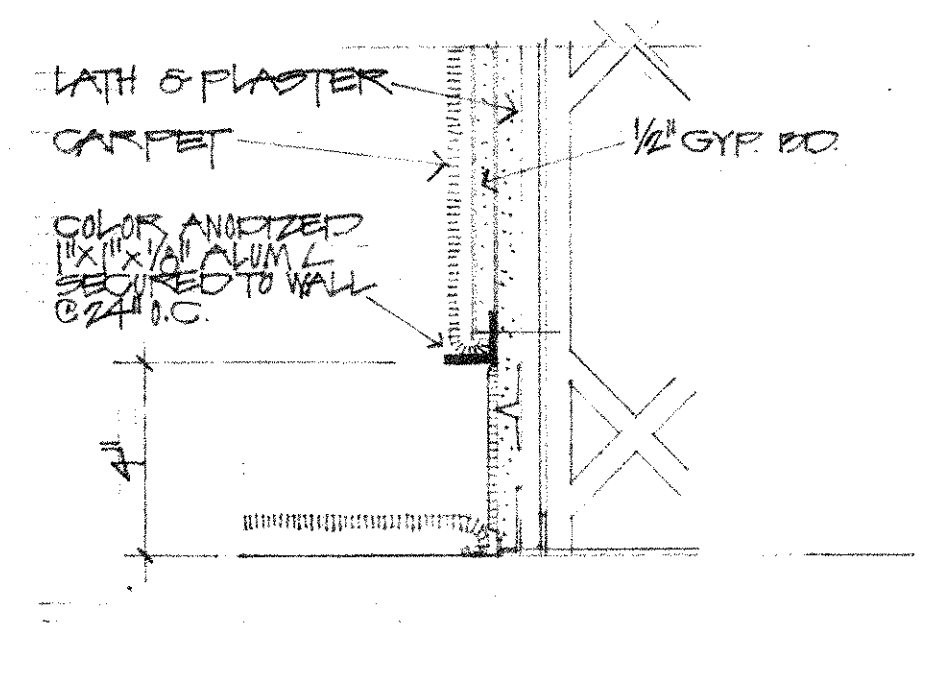
FIRE HOSE CABINET SCALE 1 1/2"=1'-0" **B**



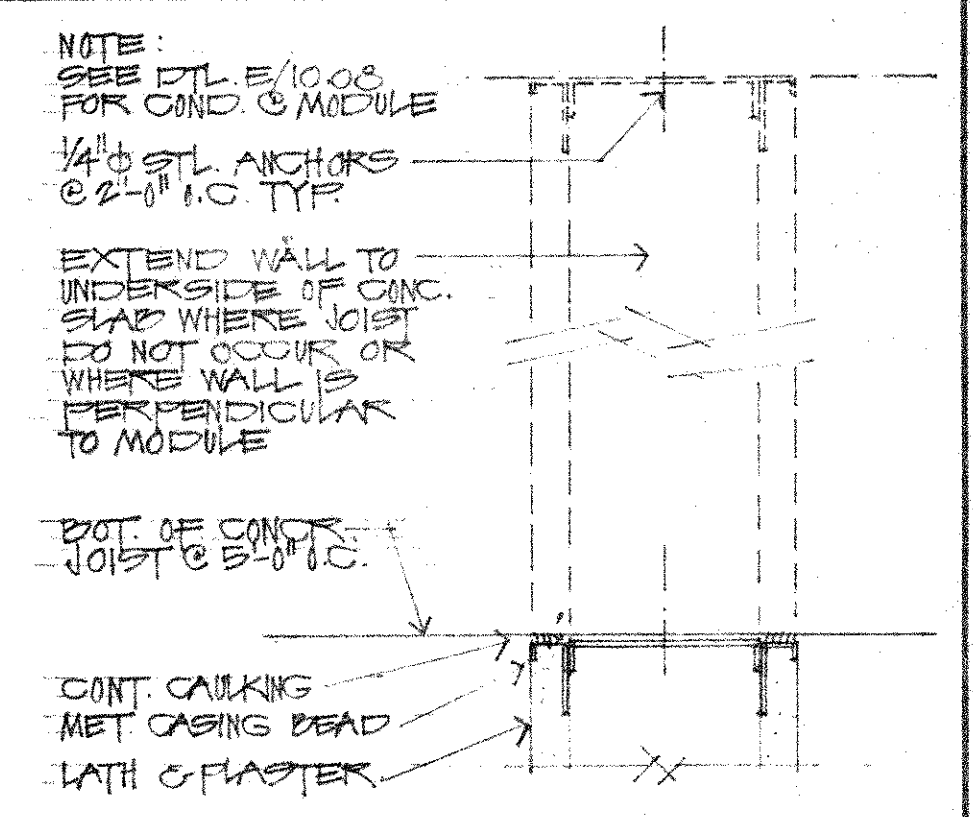
WALL TREATMENT- HEAD **D**



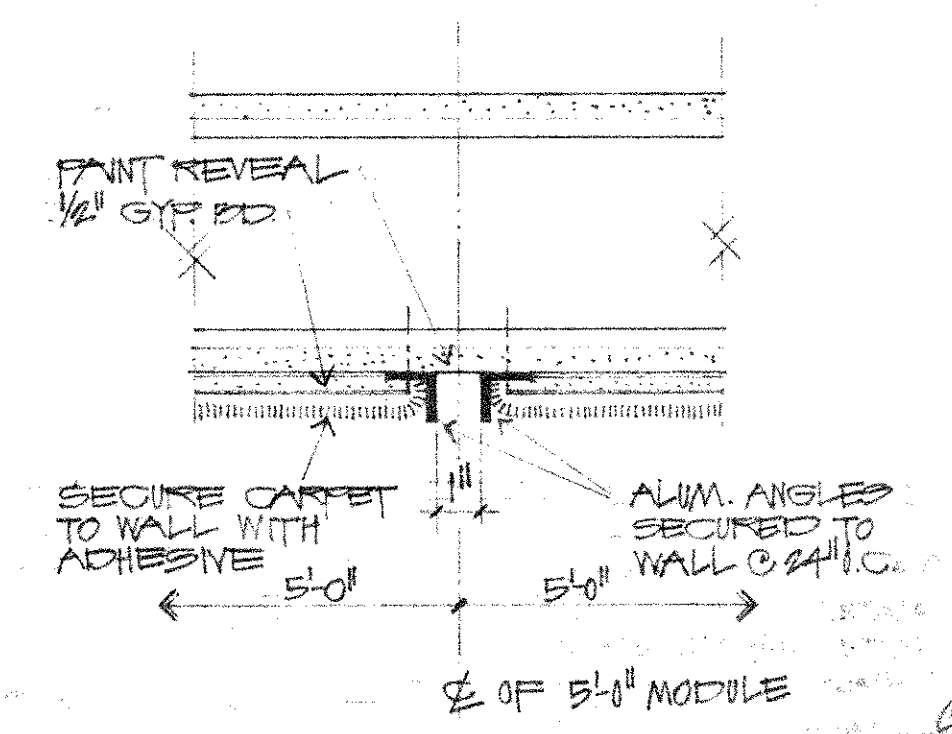
REVEAL AT SOFFIT OR WALL **A**



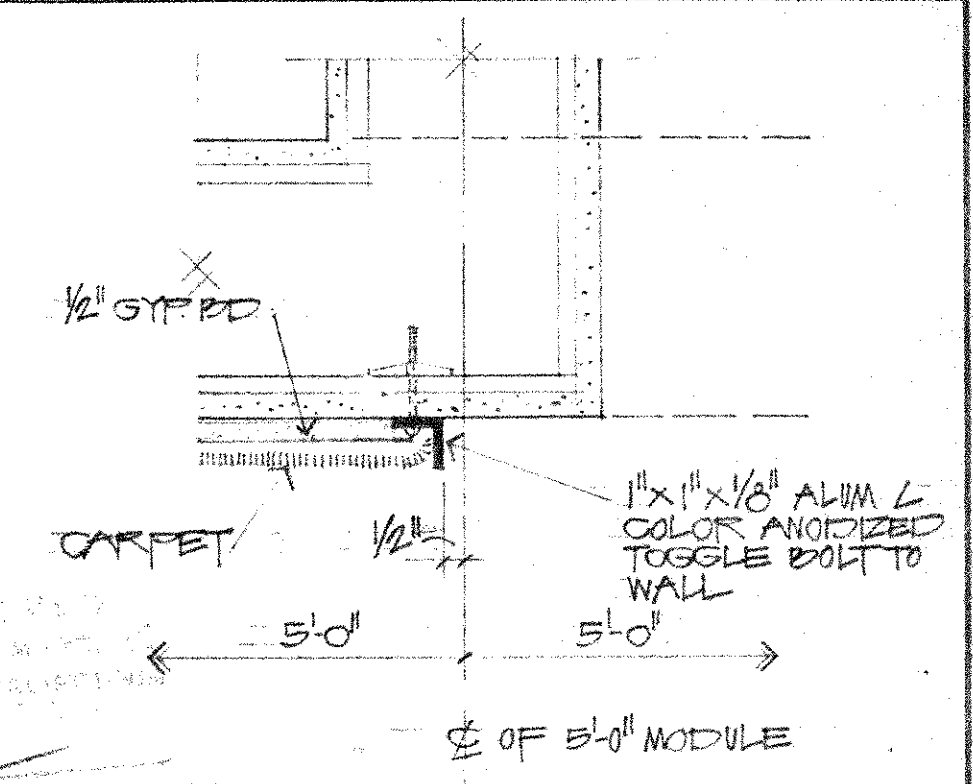
WALL TREATMENT- BASE **E**



PARTITION HEAD/OFF MODULE **B**



WALL TREATMENT- REVEAL **F**



WALL TREATMENT- JAMB **C**

NOT TO SCALE  
 1/2\"/>

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
 OFFICE OF PROCUREMENT AND CONSTRUCTION  
 32716 APPROVED FEB 13 1970  
 BSHardec cs

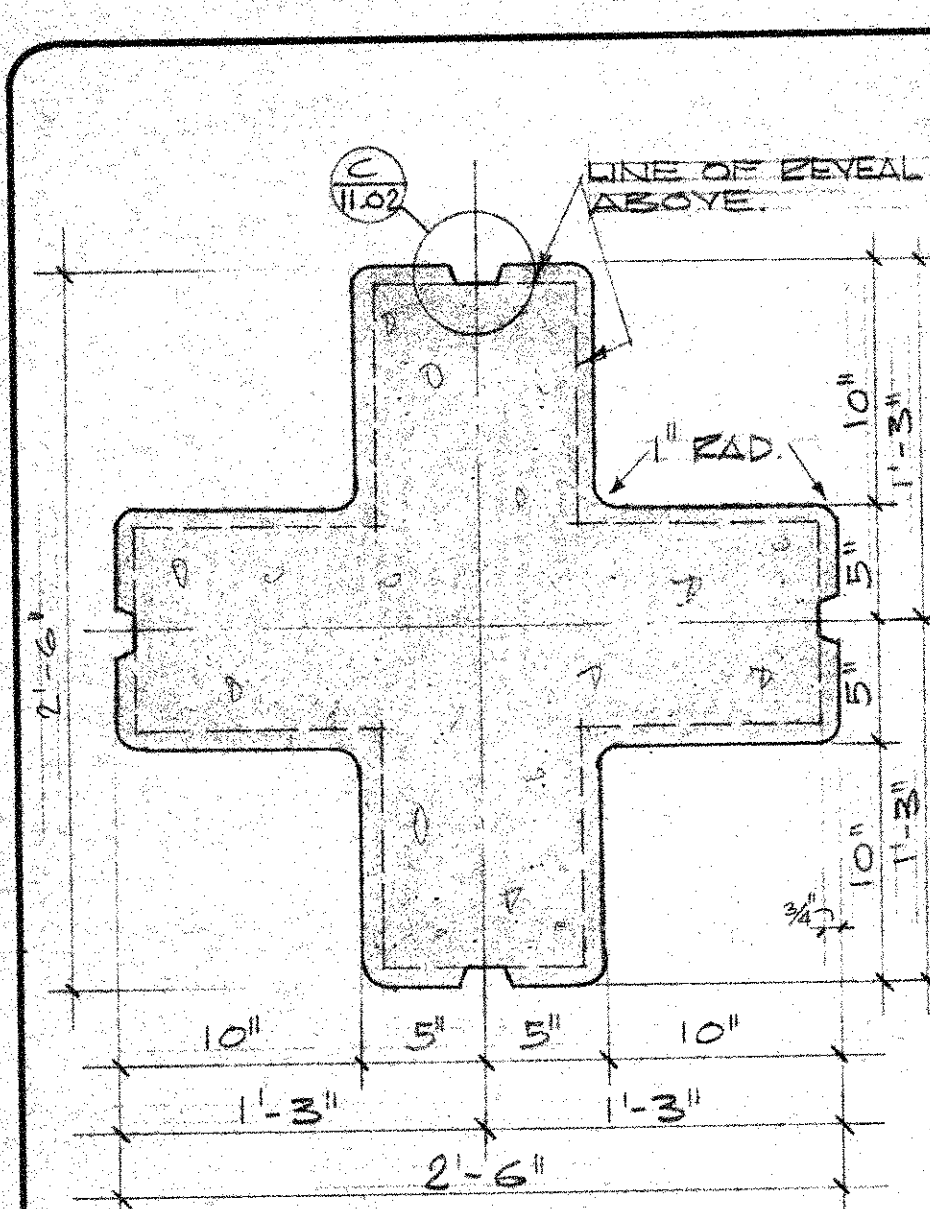
CYPRESS COLLEGE  
 PHASE II

William E. Blurock  
**WB**  
 ARCHITECTS  
 PLANNERS  
 WILLIAM E. BLUROCK AND ASSOCIATES  
 1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
 714-673-0300

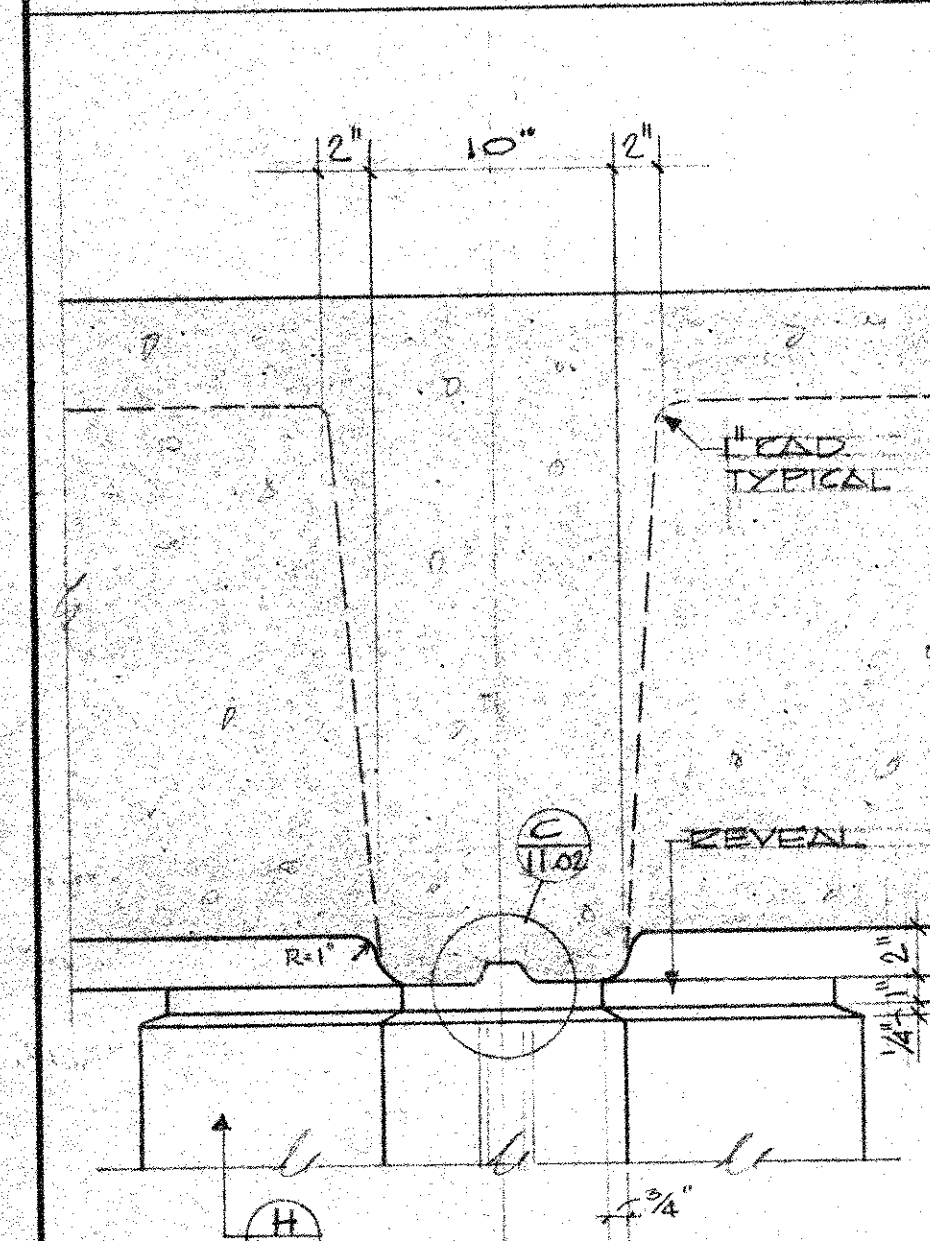
WALL DETAILS  
 SHEET  
**10.10**  
 OF

SCALE 3/4\"/>

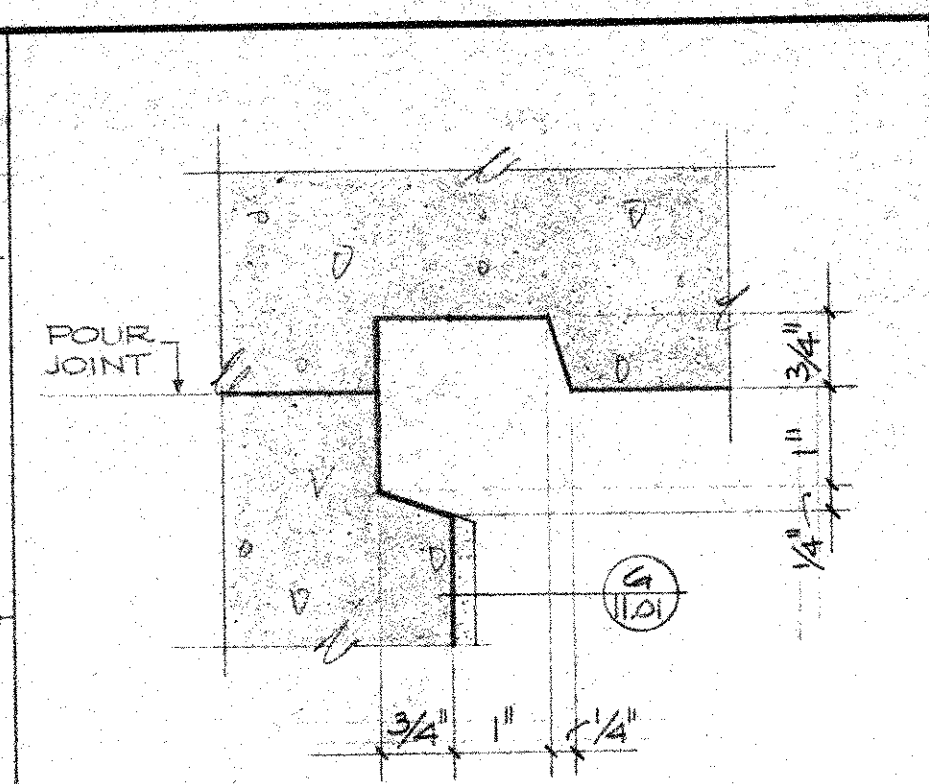




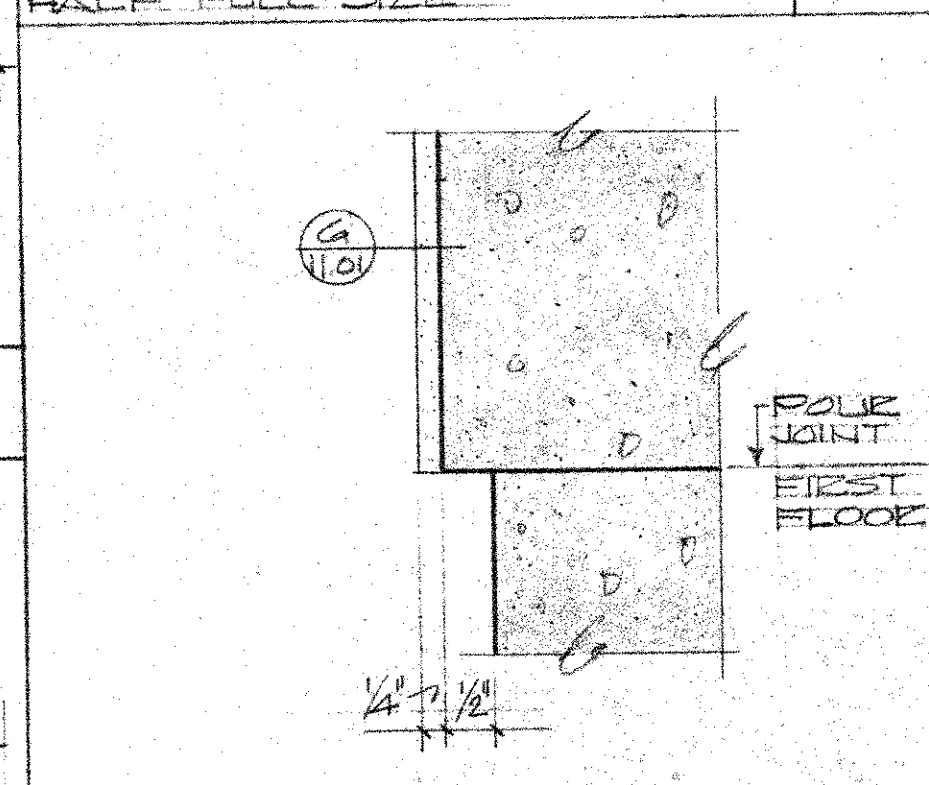
**CONCRETE COLUMN**  
SCALE: 1/2" = 1'-0"



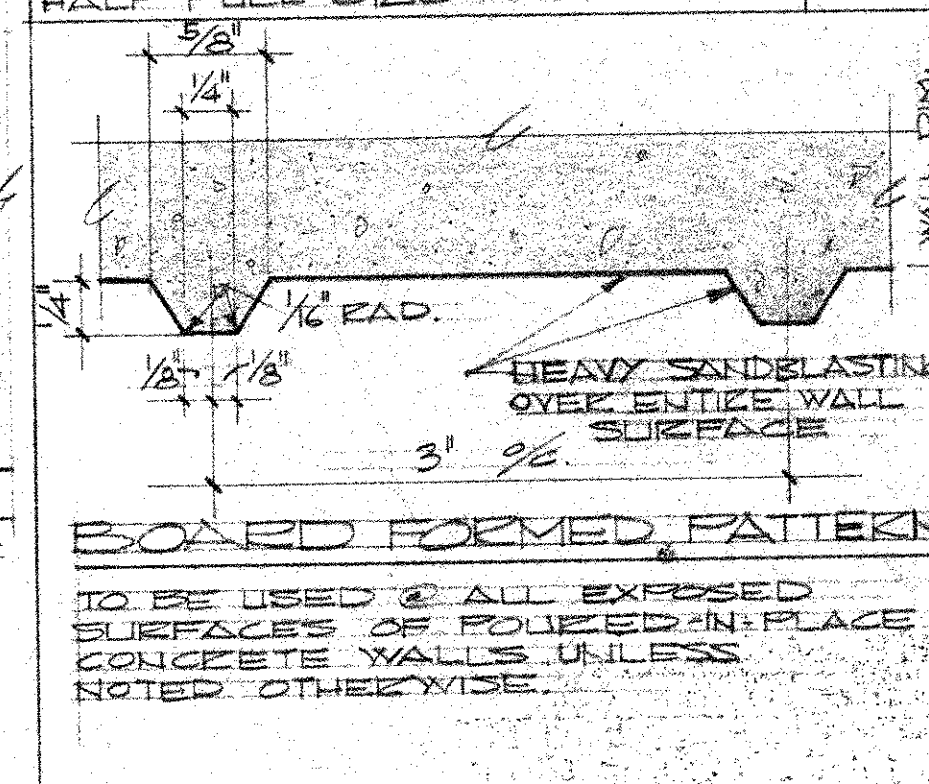
**COLUMN HEAD**  
SCALE: 1/2" = 1'-0"



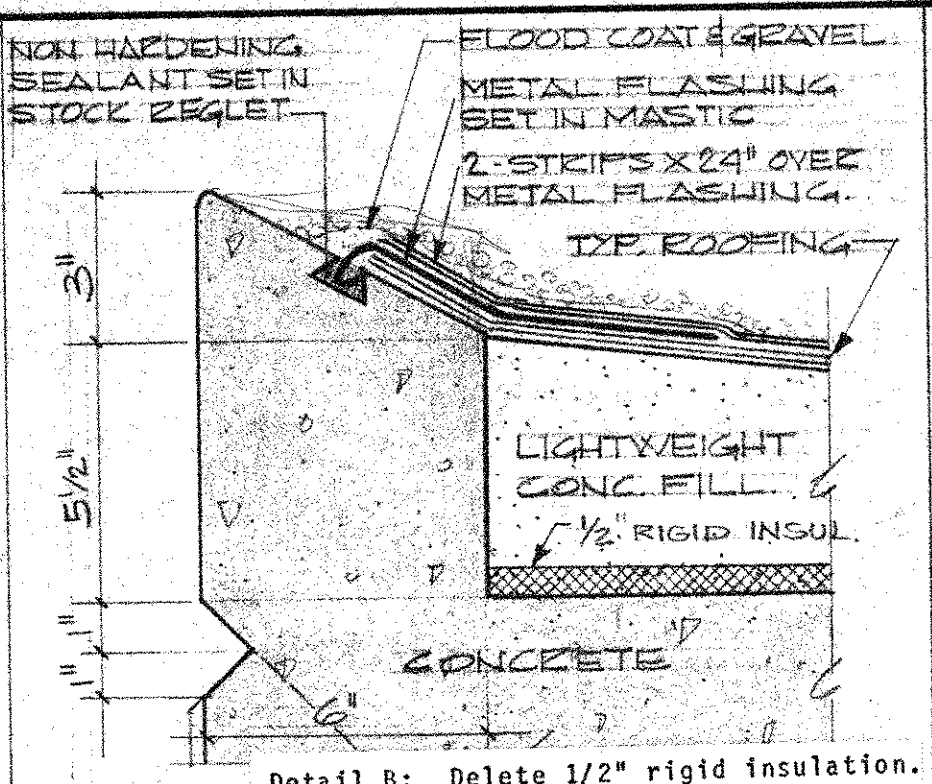
**CONCRETE PROFILE**  
SCALE: 1/2" = 1'-0"



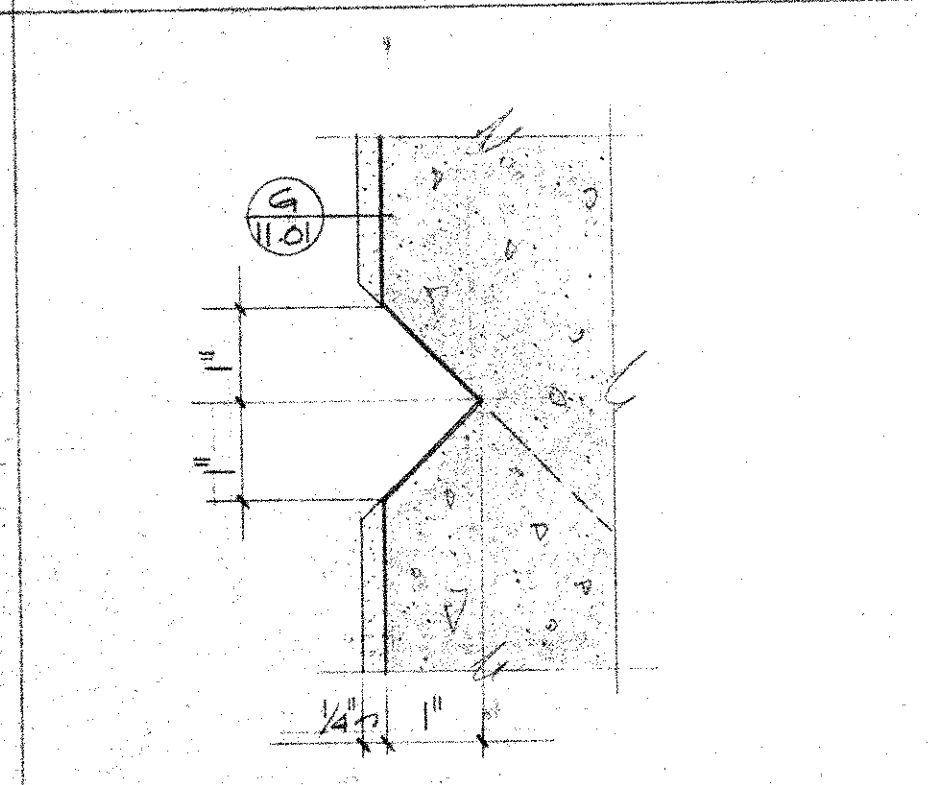
**CONCRETE PROFILE**  
SCALE: 1/2" = 1'-0"



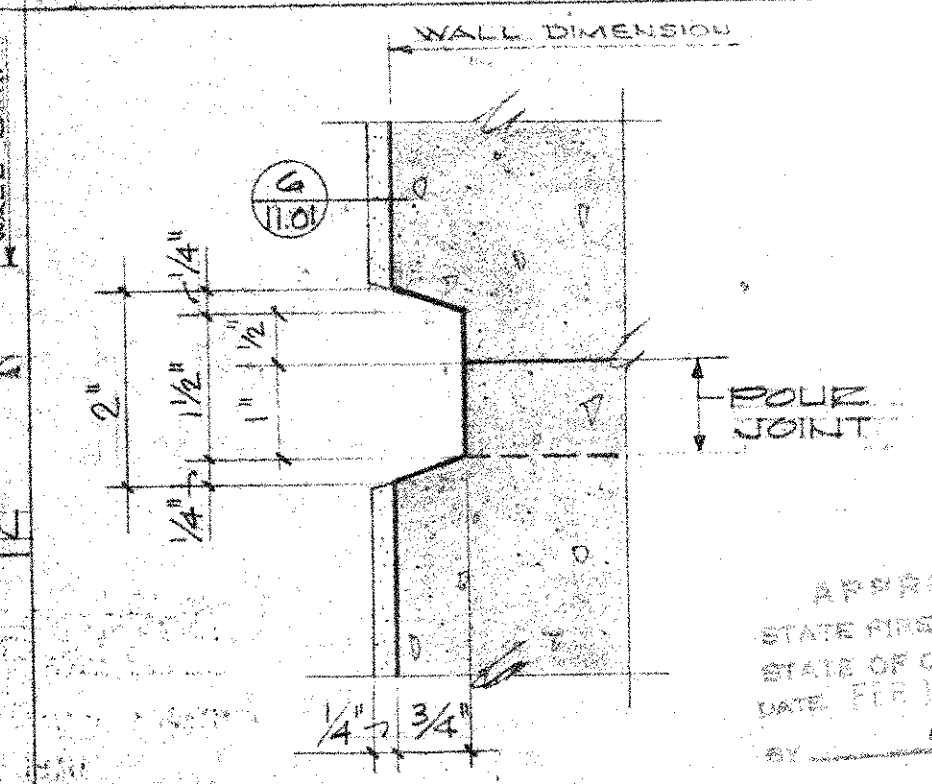
**BOARD FORMED PATTERN**  
SCALE: 1/2" = 1'-0"



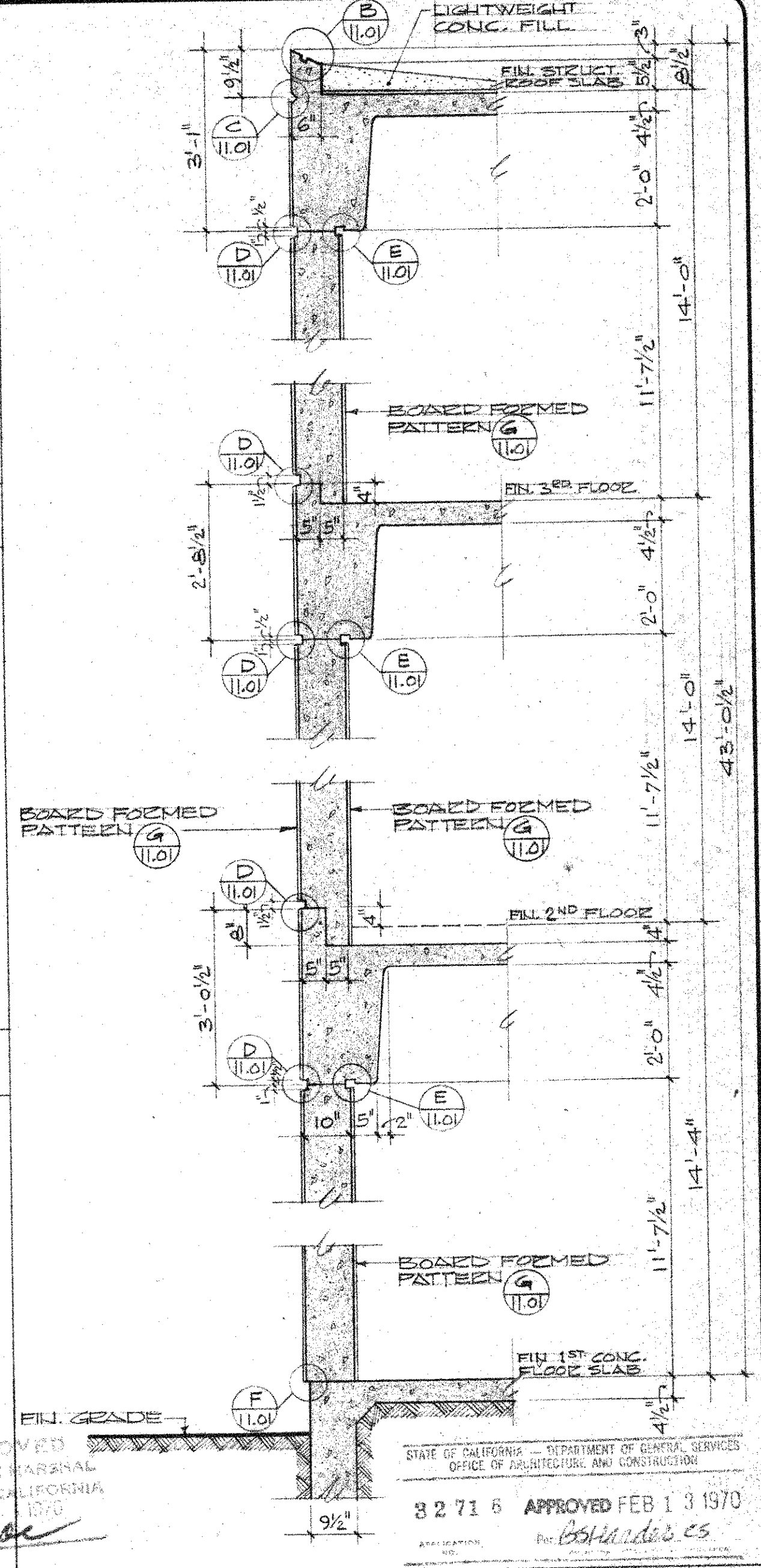
**ROOF CURB**  
SCALE: 1/2" = 1'-0"



**CONCRETE PROFILE**  
SCALE: 1/2" = 1'-0"

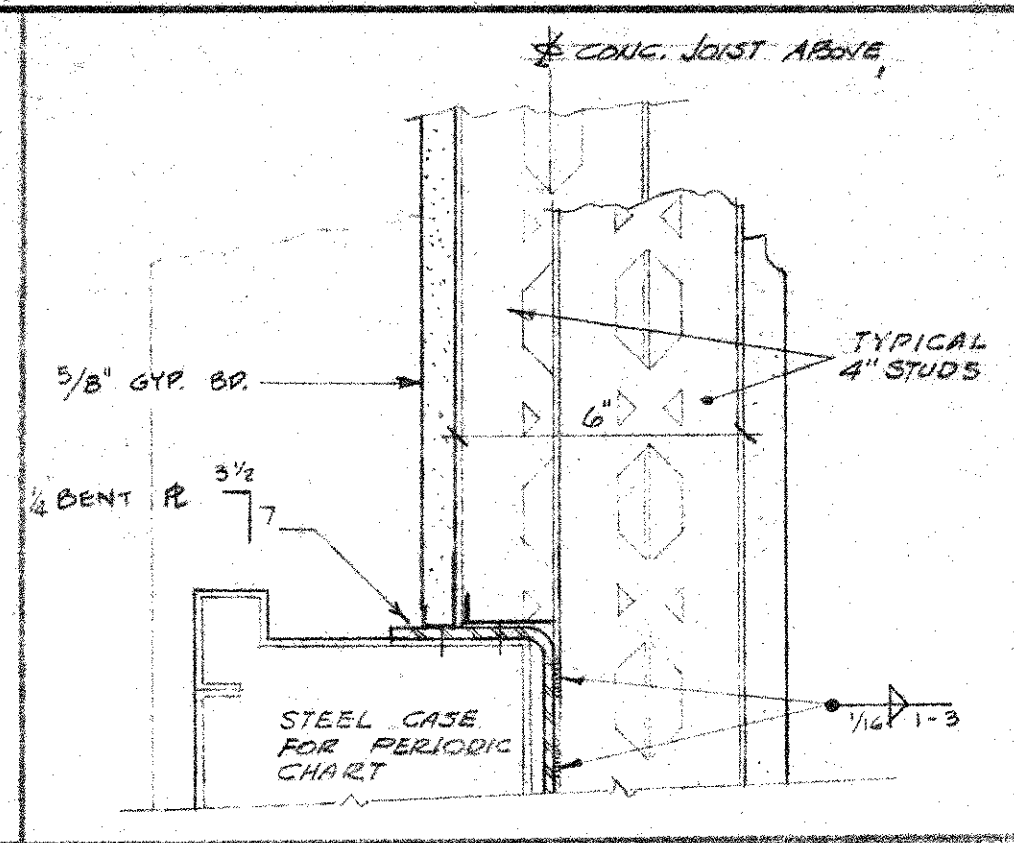


**CONCRETE PROFILE**  
SCALE: 1/2" = 1'-0"

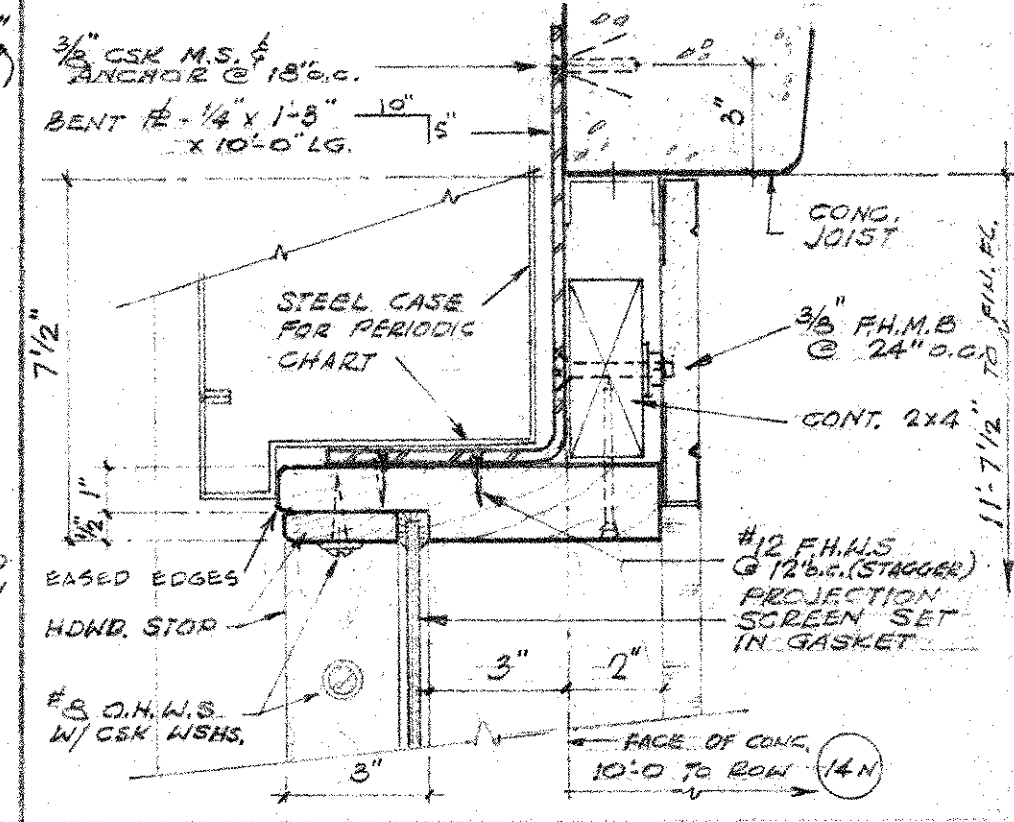


**TYP. EXTERIOR WALL SECTION**  
SCALE: 1/2" = 1'-0"





JOINT BETWEEN PERIODIC CHART AND PLAS. WALL	A
--	---



HORIZ. JOINT BETWEEN SCREEN AND PERIODIC CHART	13
---	----

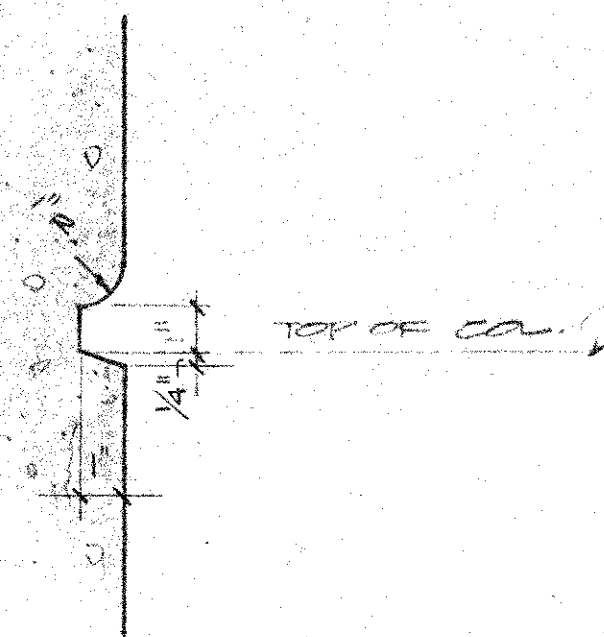
Technical drawing of a window frame assembly. The drawing shows a cross-section of the frame with various components and dimensions labeled.

Dimensions and Labels:

- Top horizontal dimension: 10"
- Left vertical dimension: 3'-0" TO FIN. FL.
- Horizontal dimension between vertical lines: 1'-1 1/2"
- Label: #8 O.H.M.S. W/ GSK WASHER (pointing to a bolt/washer assembly)
- Label: PROJECTION SCREEN SET IN NEOPRENE GASKET (pointing to the top right corner)
- Label: HARDWOOD STOP (pointing to the horizontal frame member)
- Label: 1/4" HARDWOOD PLYWOOD (pointing to the vertical frame member)
- Label: 5/8" GYP BD. (pointing to the bottom horizontal member)
- Label: 2x4 (pointing to the vertical support member)
- Label: 4" STUDS (pointing to the horizontal support member)

DETAIL 4 BOTTOM OF PROJECTION SCREEN	C
---	---

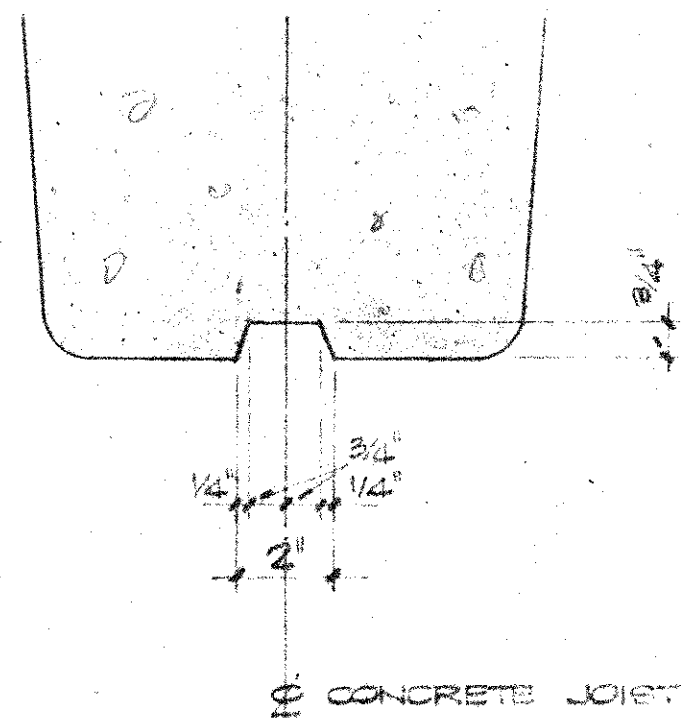




CONC. COL. DET.

SCALE  
2"

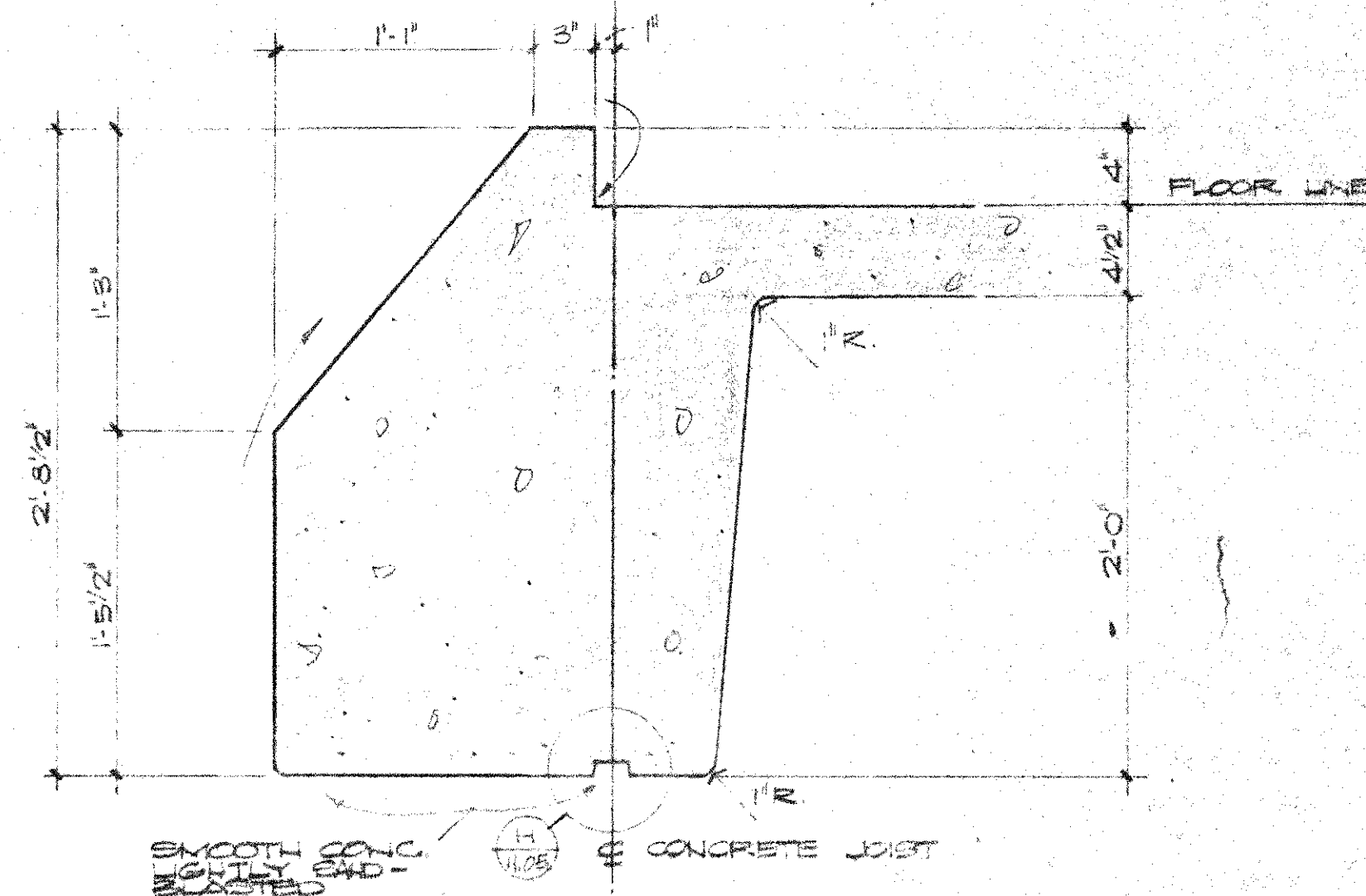
E



CONC. JOIST

SCALE  
3"

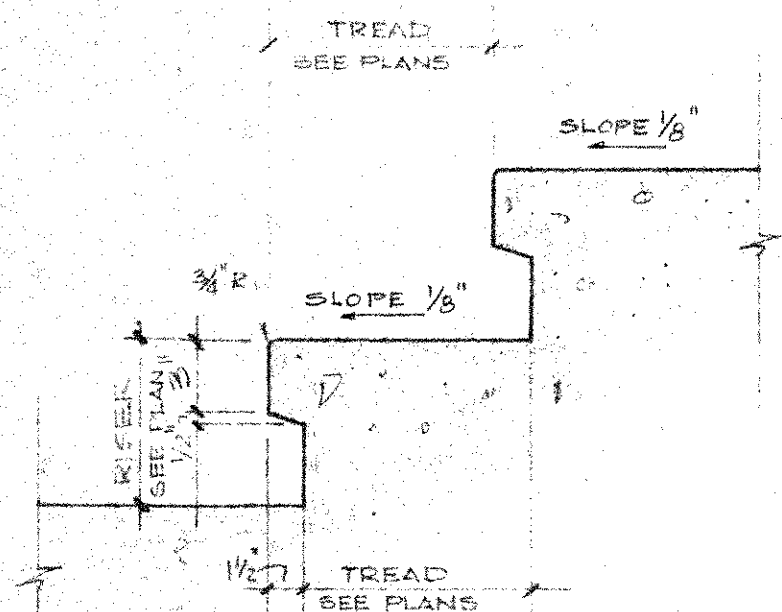
C



CONC. FLOOR BEAM

SCALE  
1 1/2"

A



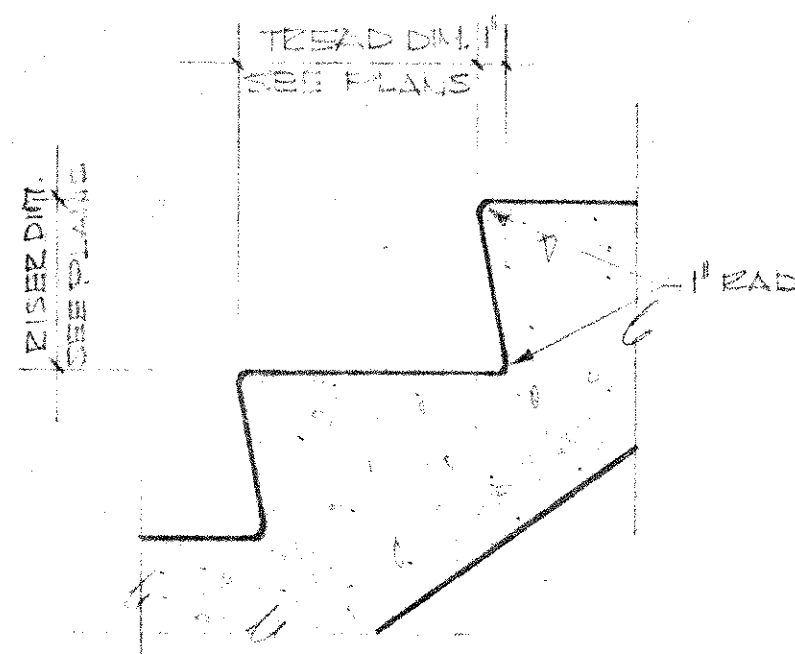
NOTE:  
SLOPE ALL EXPOSED STAIR TREADS  
1/8" PER TREAD.

CONC. STAIR

SCALE  
1 1/2"

F

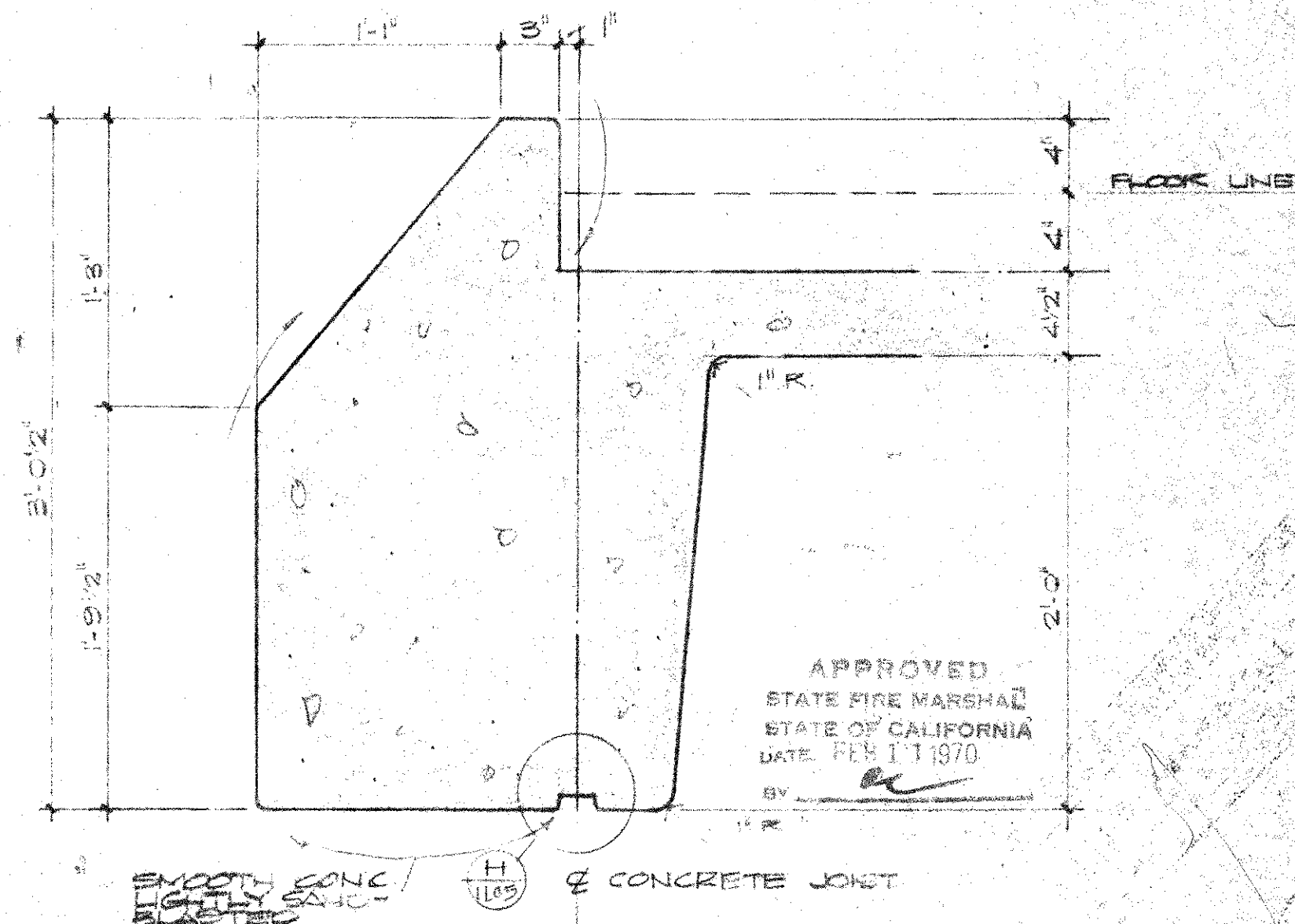
CARPET OR WATERPROOF TOPPING  
WHERE OCCURS - SEE FINISH SCHEDULE  
& STAIRWELL PLANS



CONC. STAIR

SCALE  
1 1/2"

D

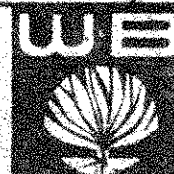


CONC. FLOOR BEAM

SCALE  
1 1/2"

B

SCALE 1/8" = 1'-0"  
DATE  
DRAWN  
JOB C-1007



WILLIAM E. BLUROCK & ASSOCIATES  
CAUDILL ROWLETT SCOTT  
associated architects  
550 BAYSIDE DR. CORONA DEL MAR 714 671-0300

CYPRESS JUNIOR COLLEGE  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

CONC. DETAILS

SHEET  
11.02  
OF

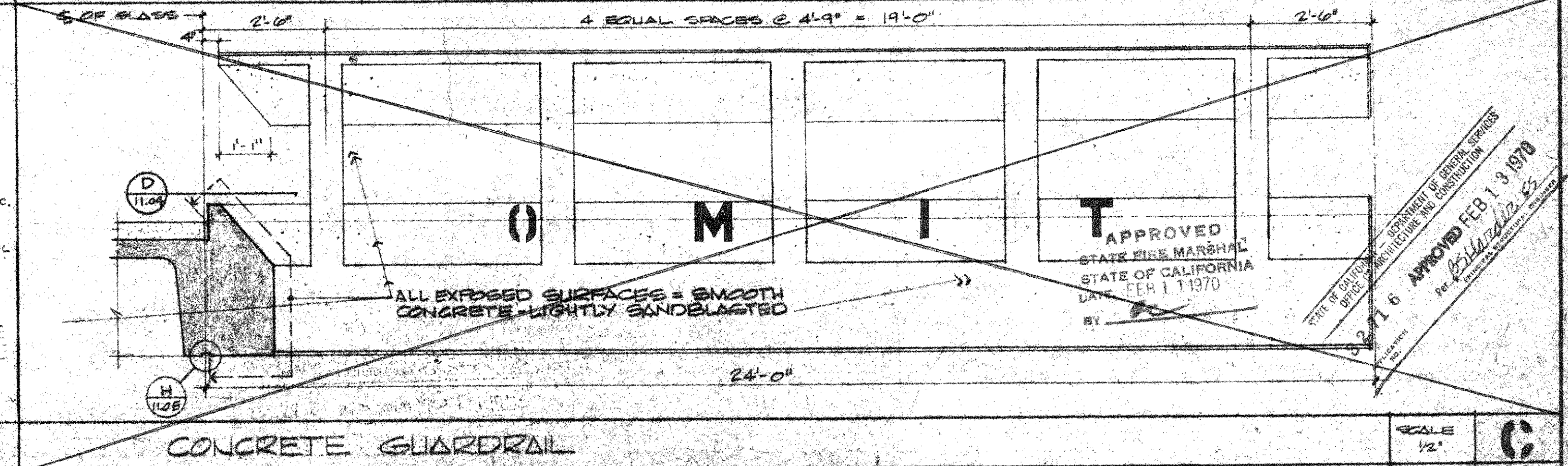
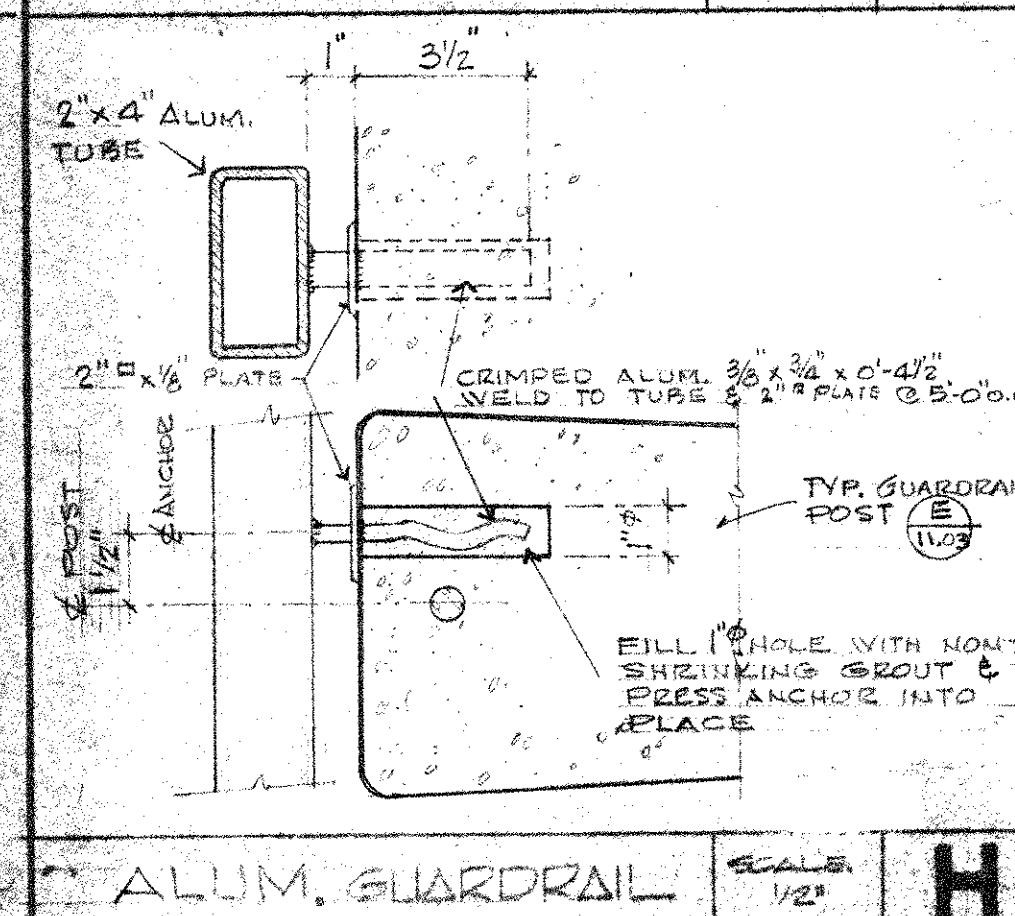
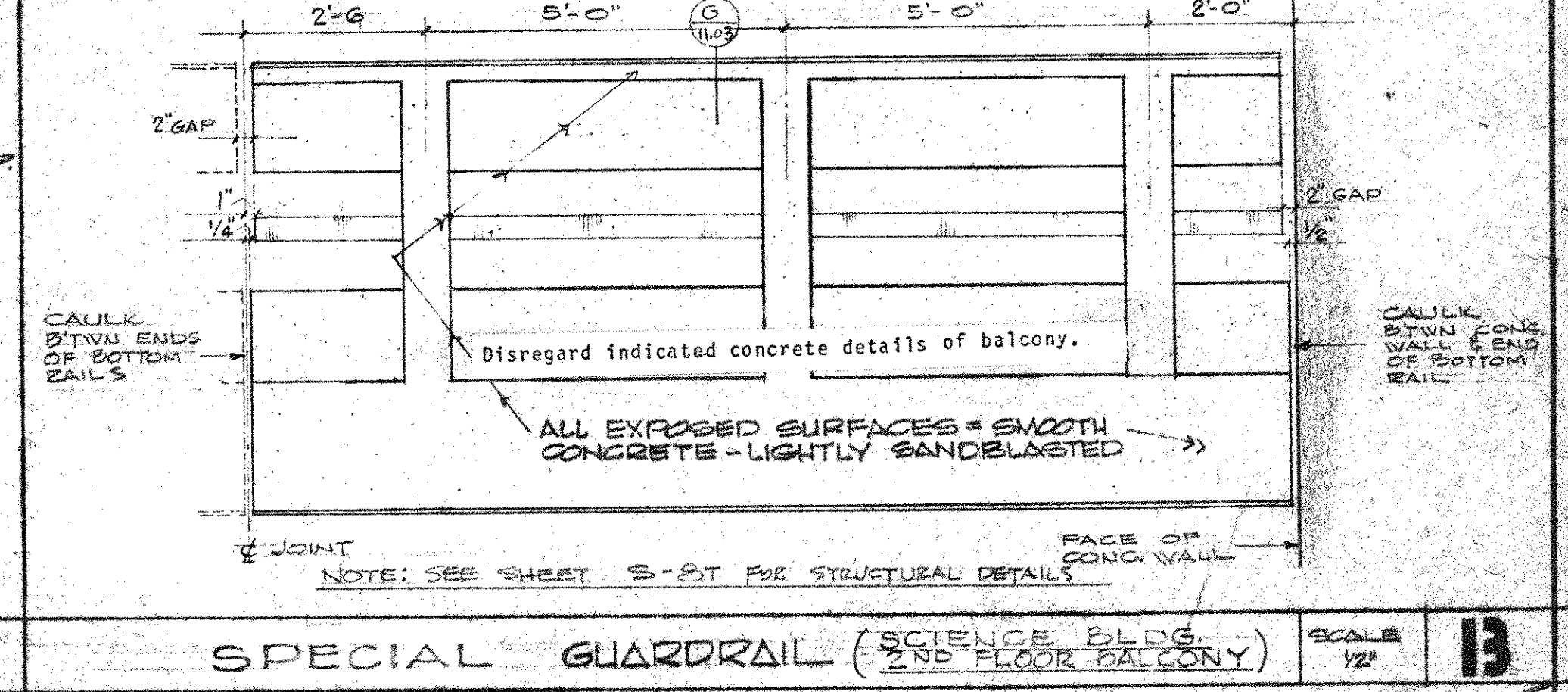
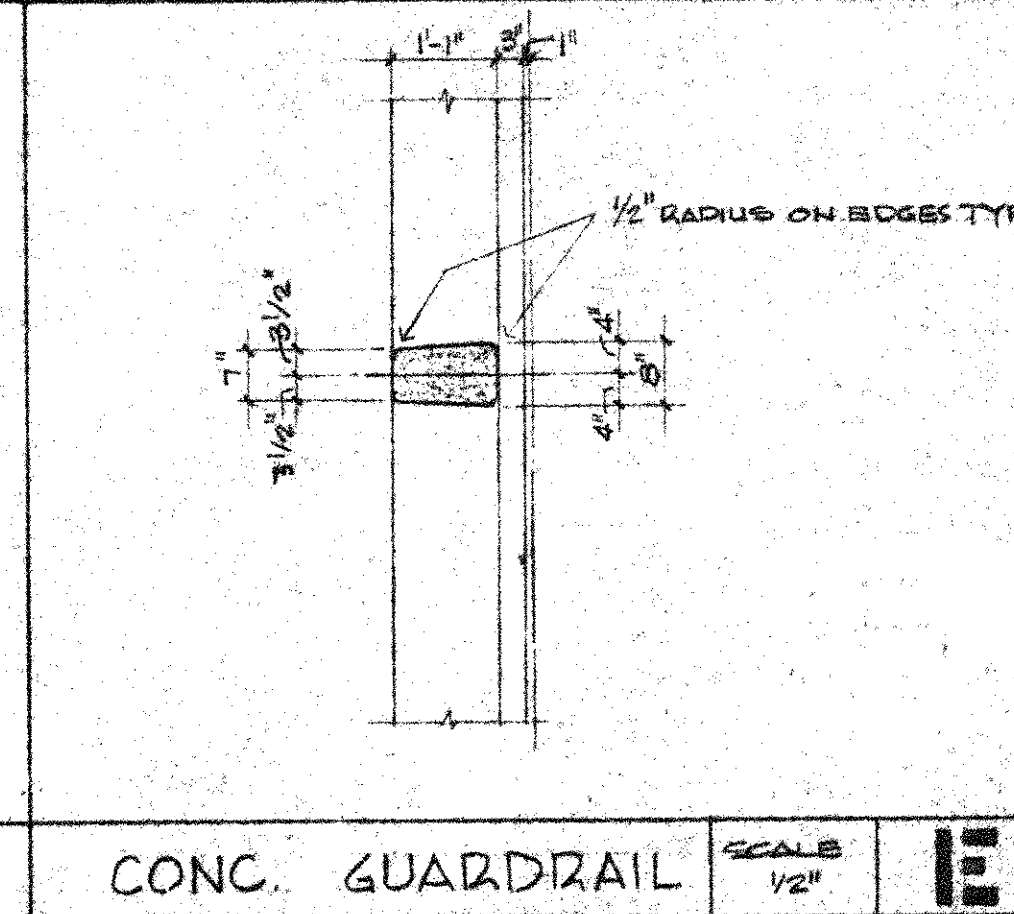
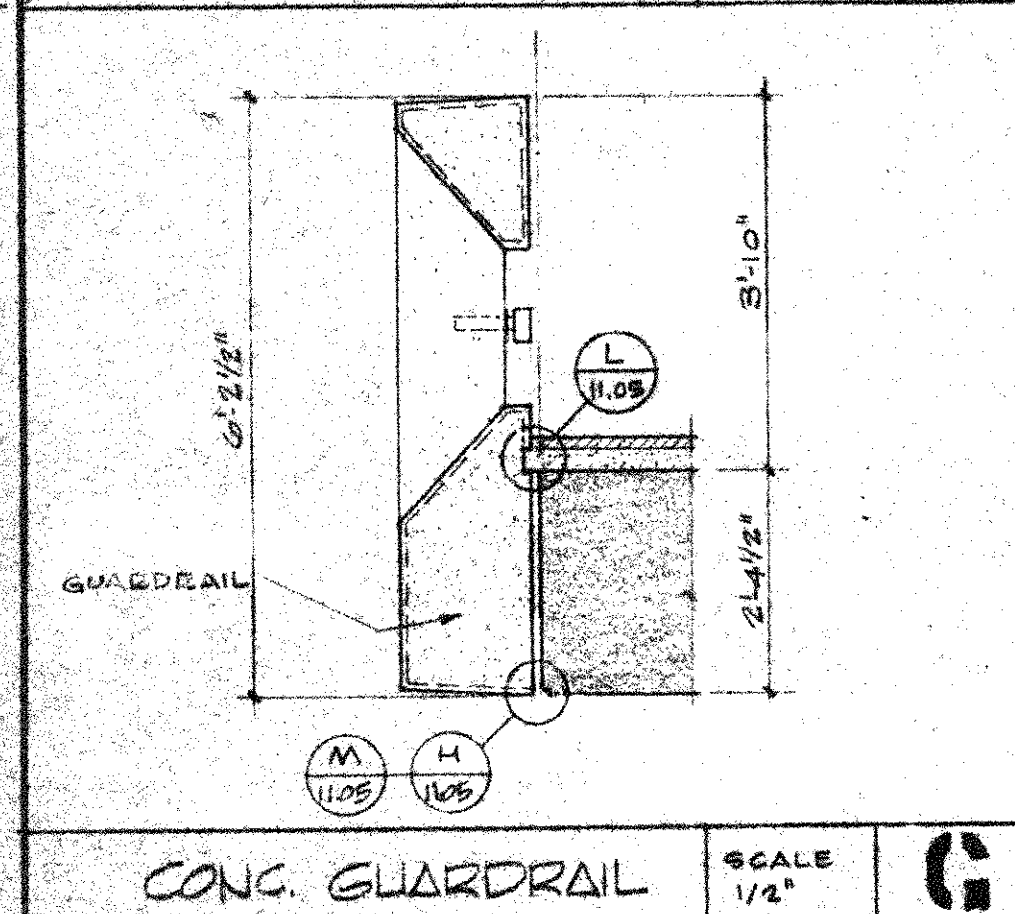
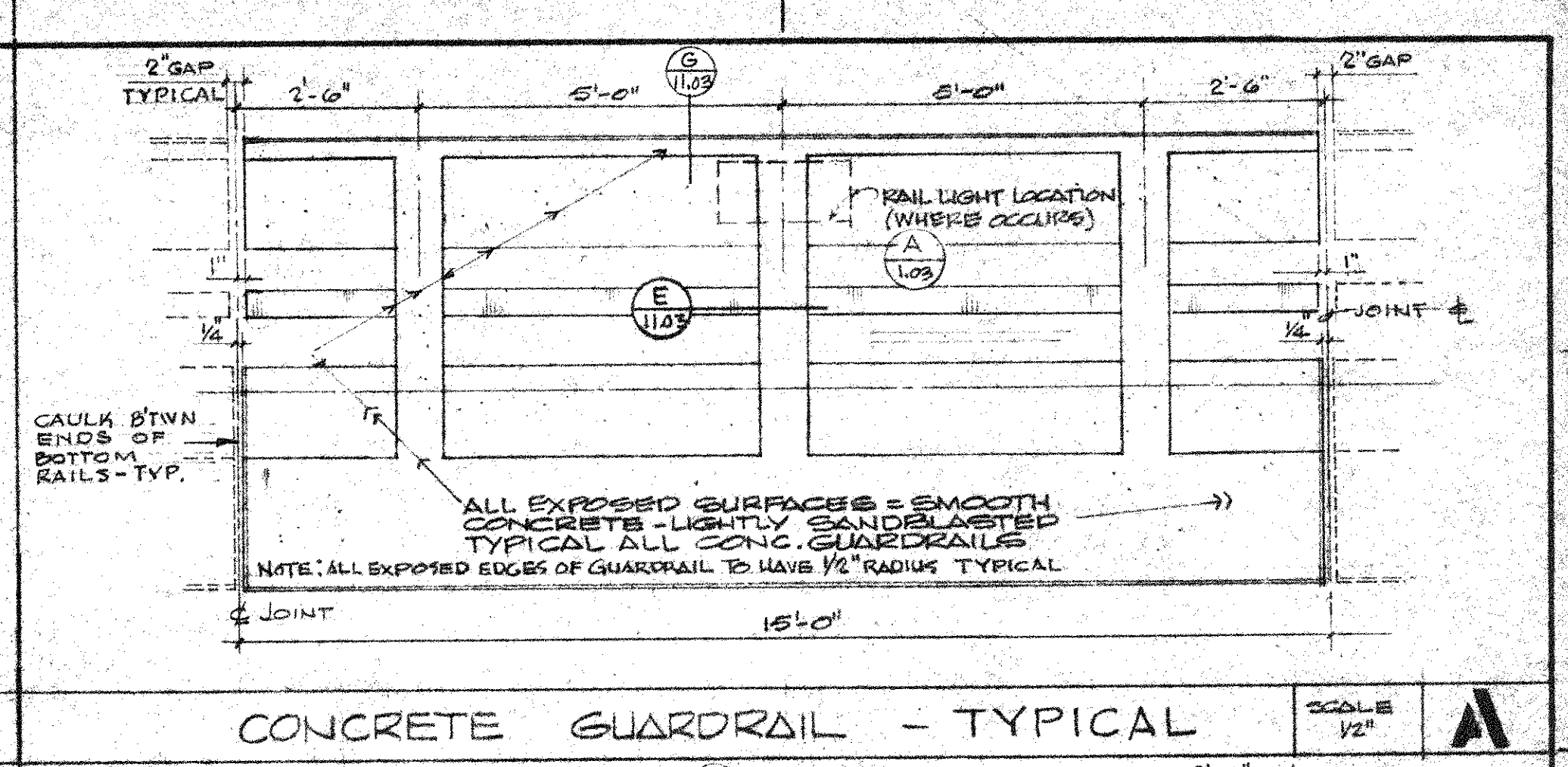
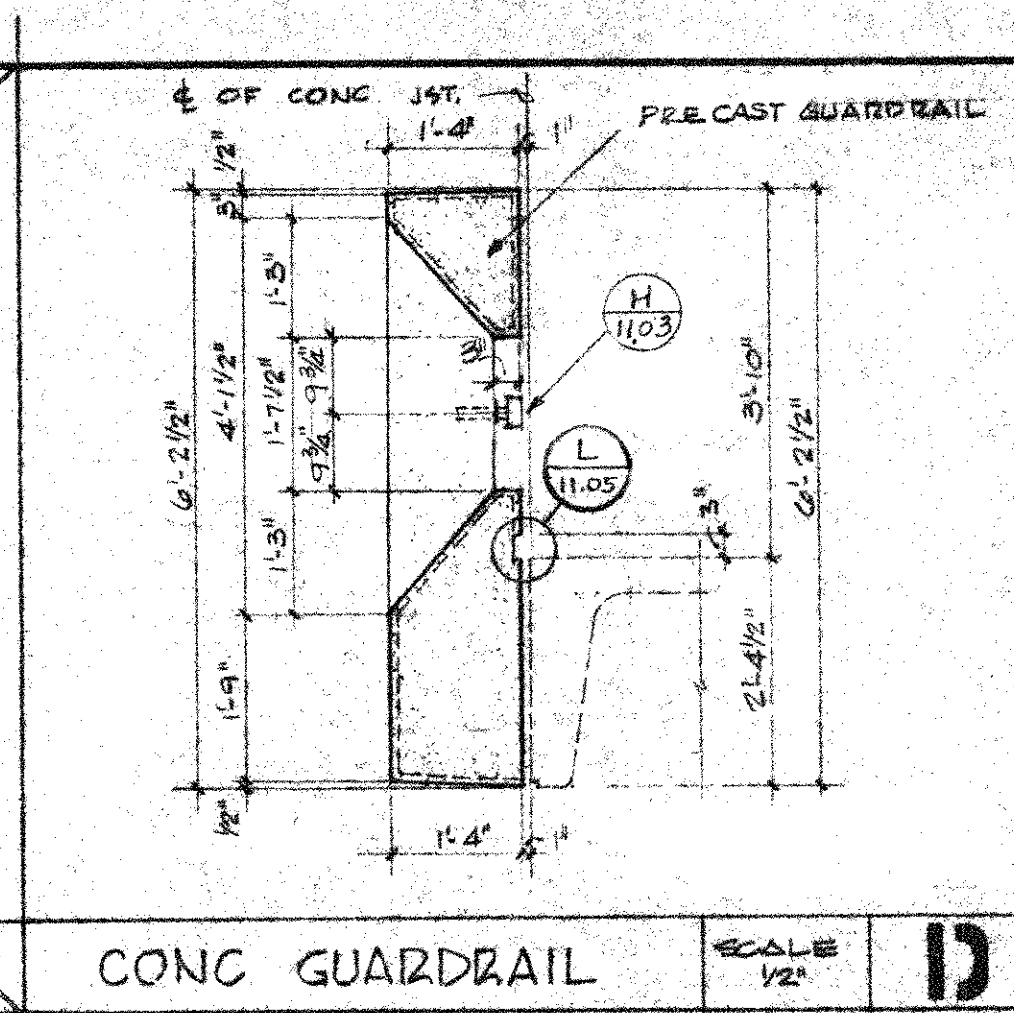
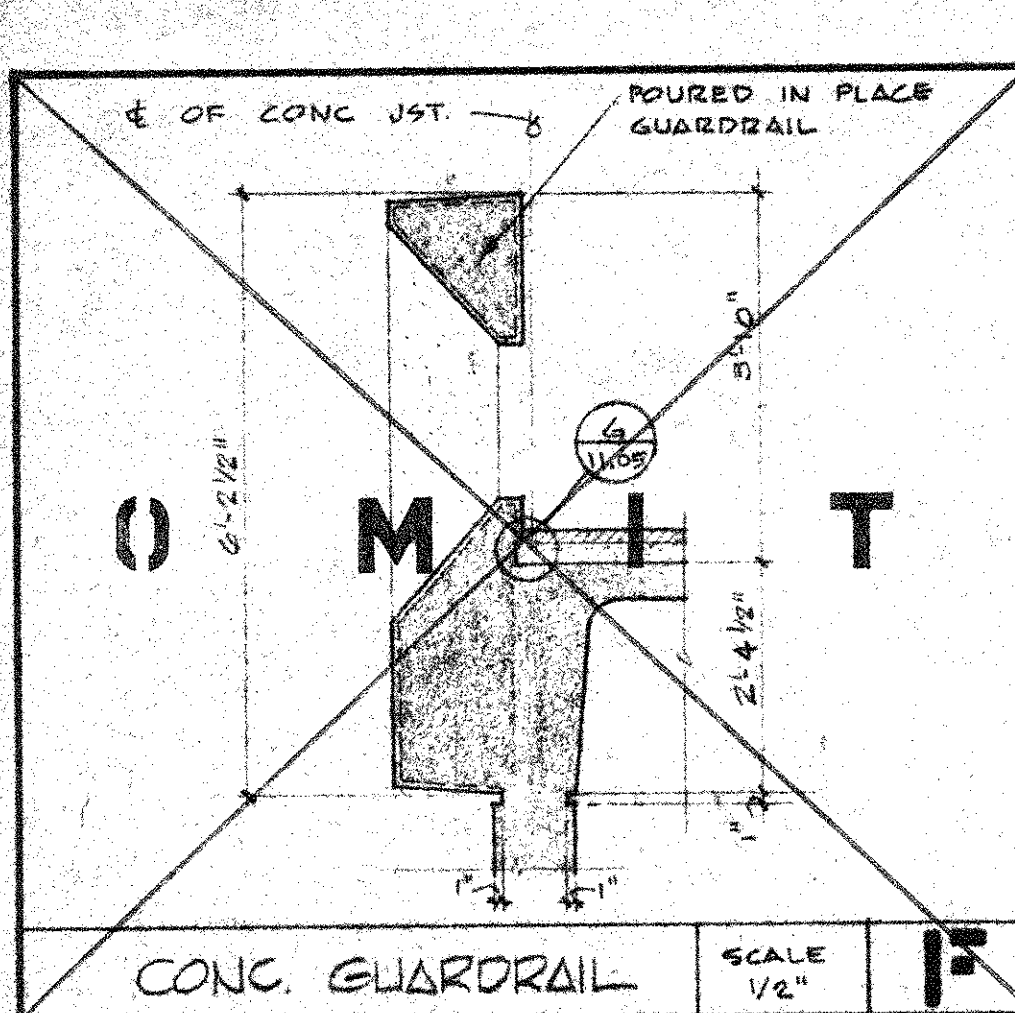
APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE FEB 11 1970  
BY

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

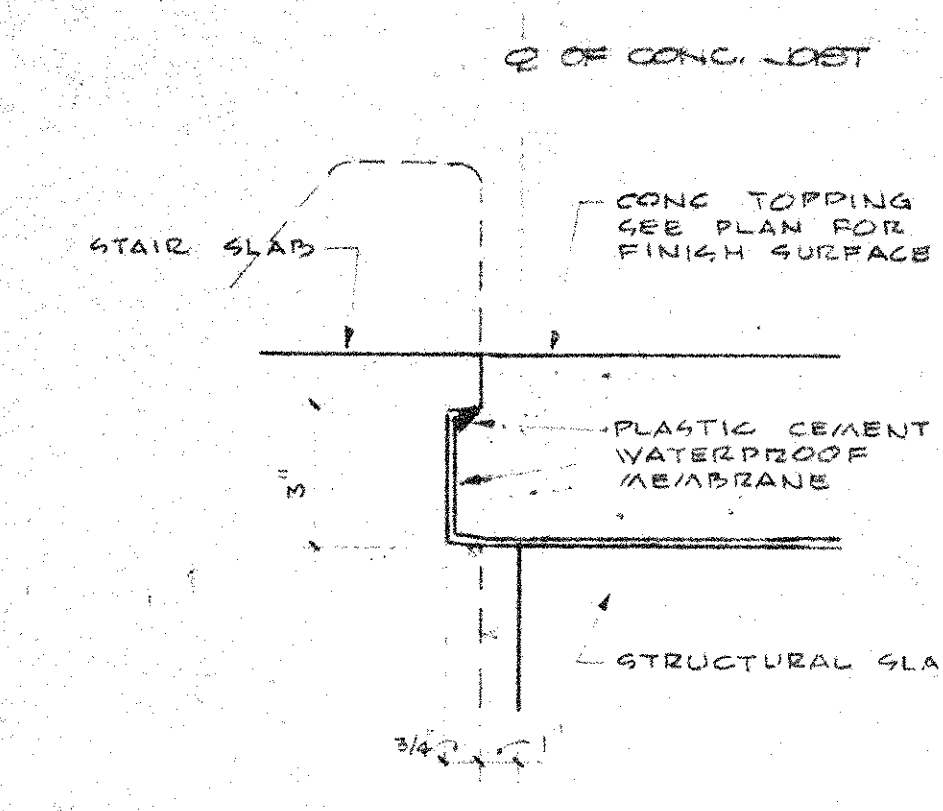
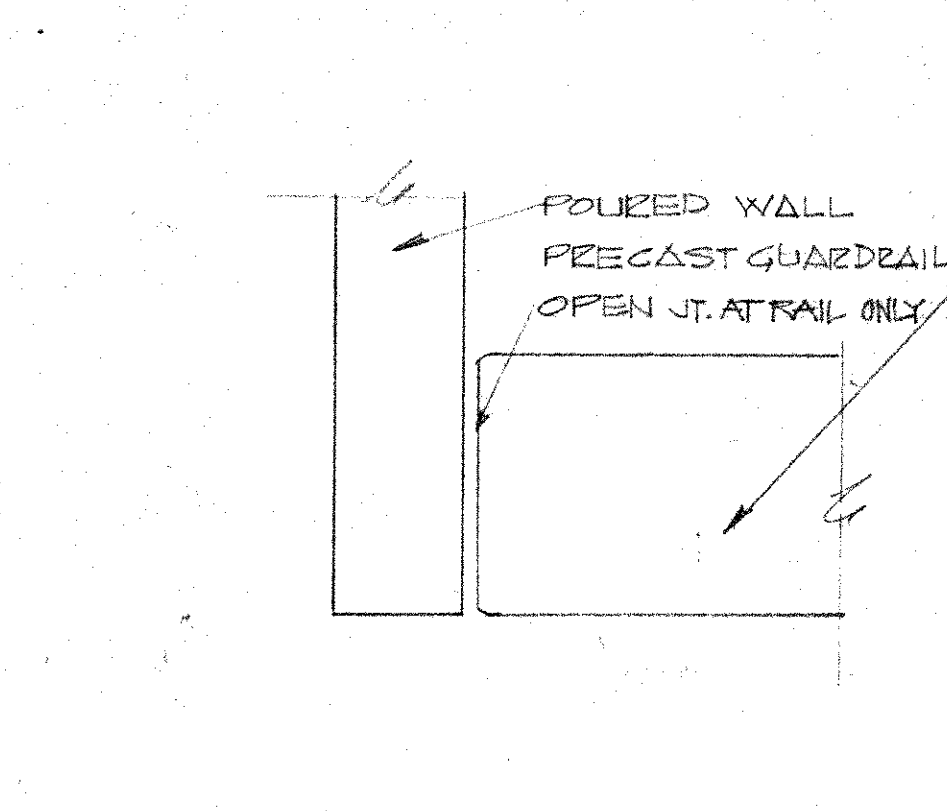
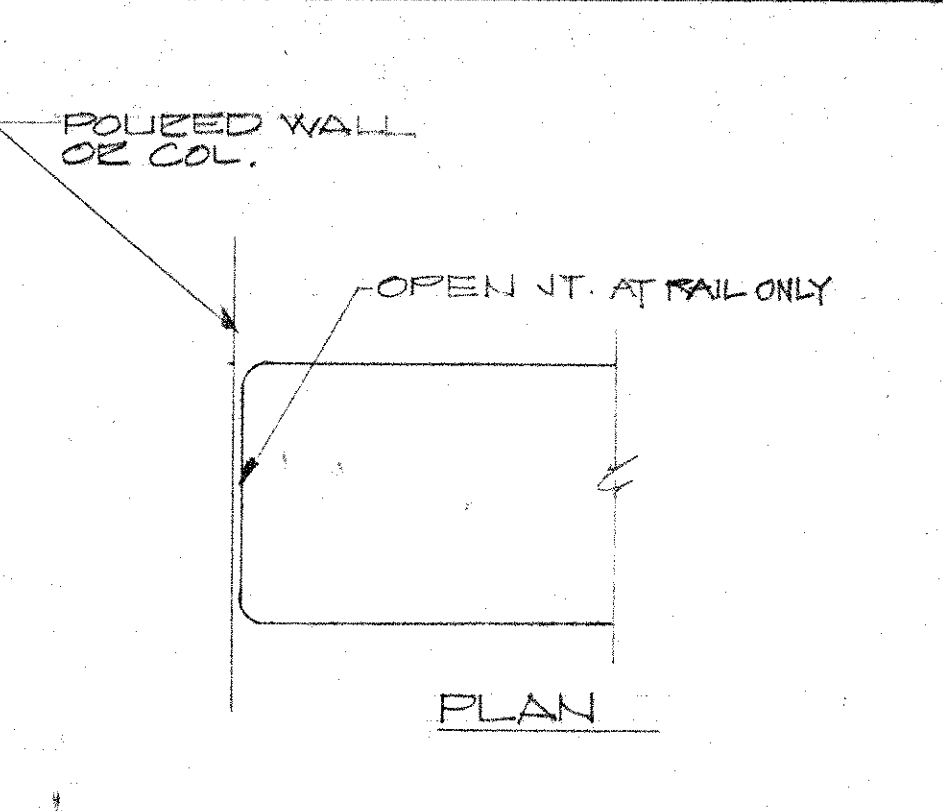
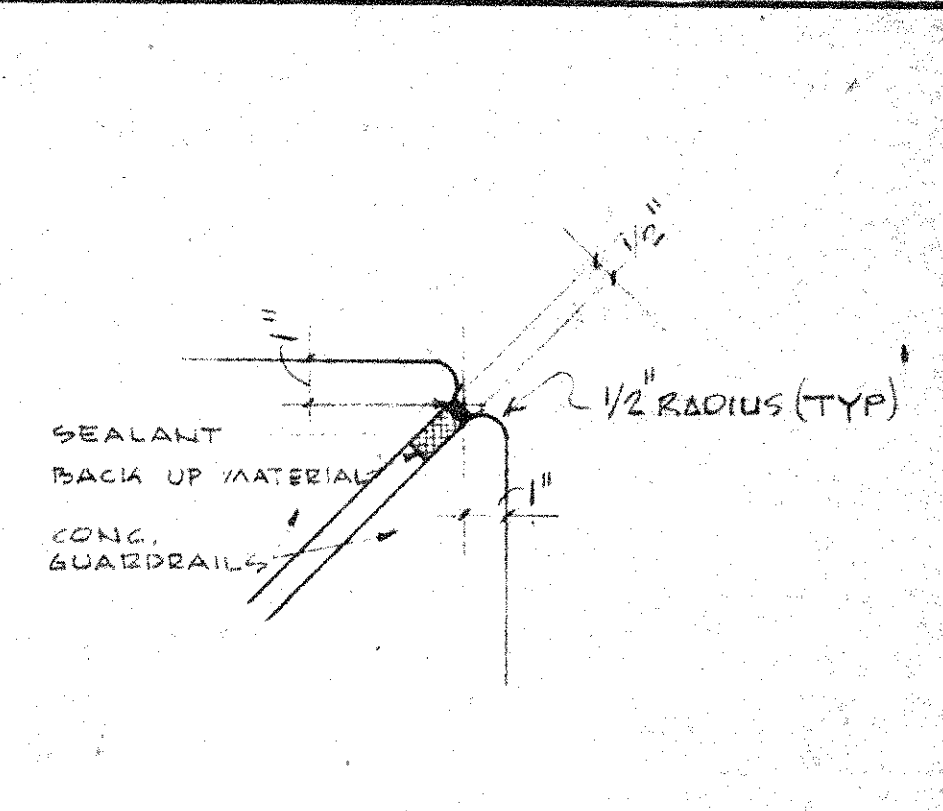
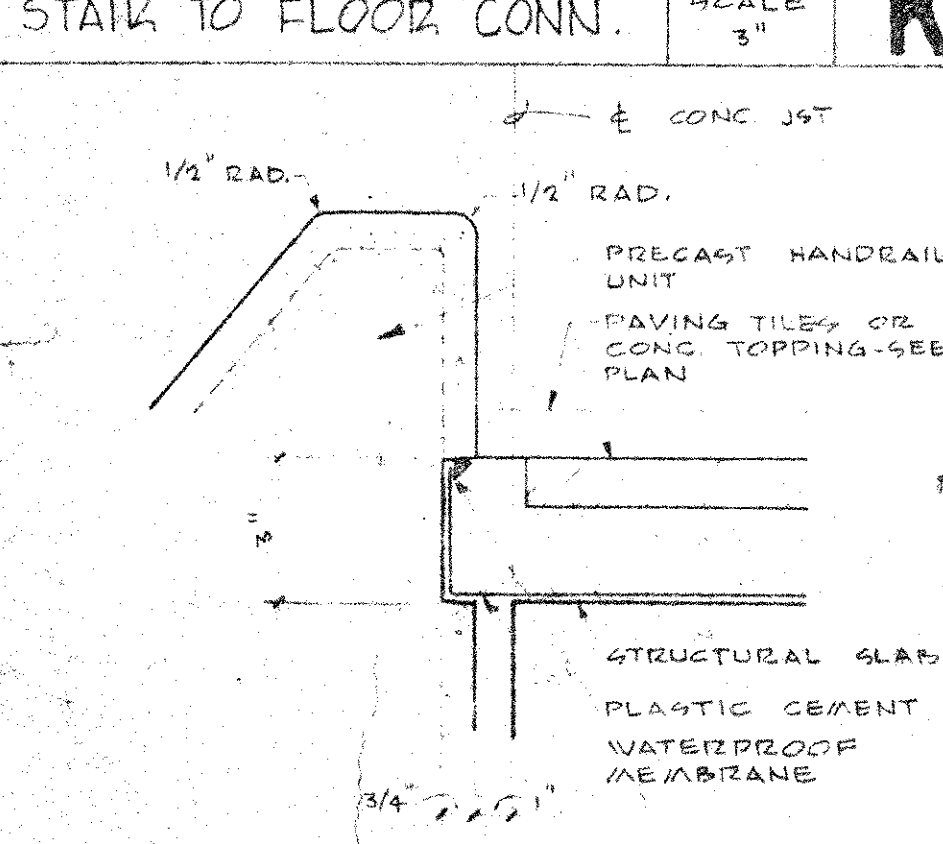
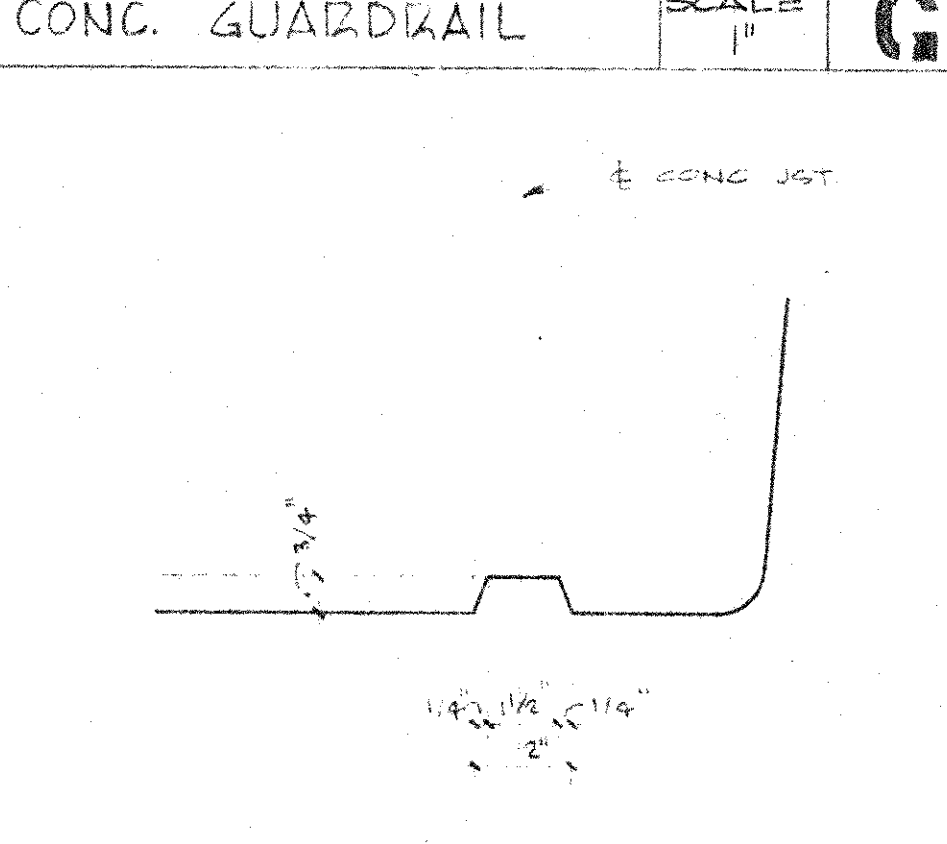
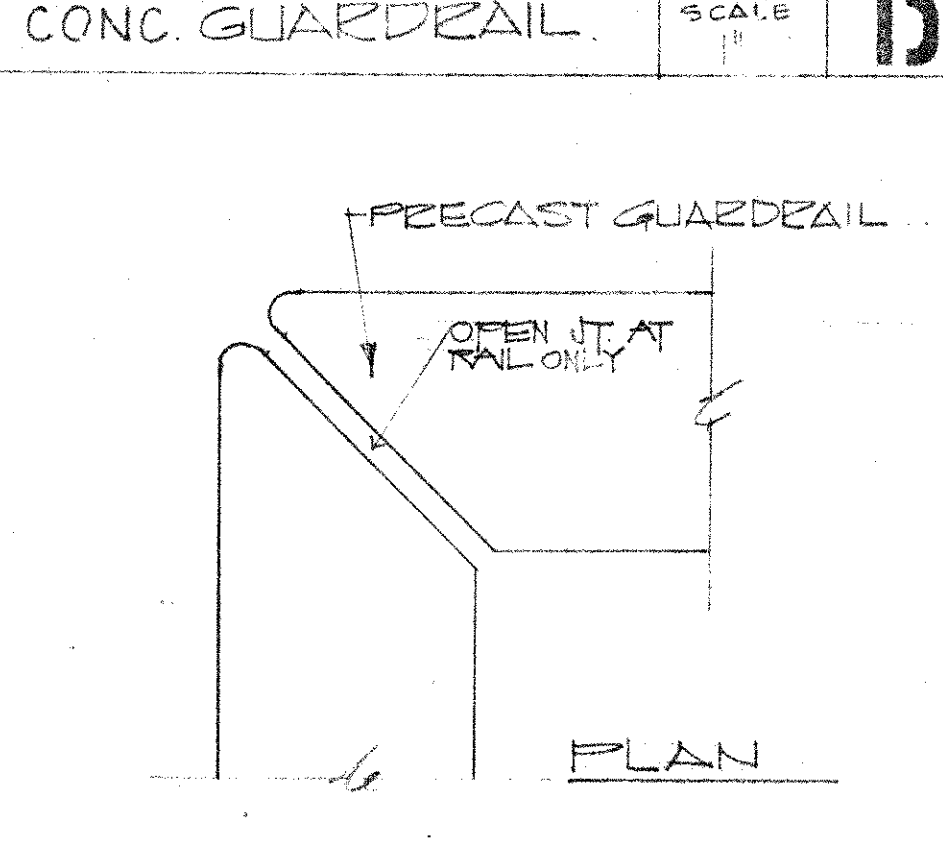
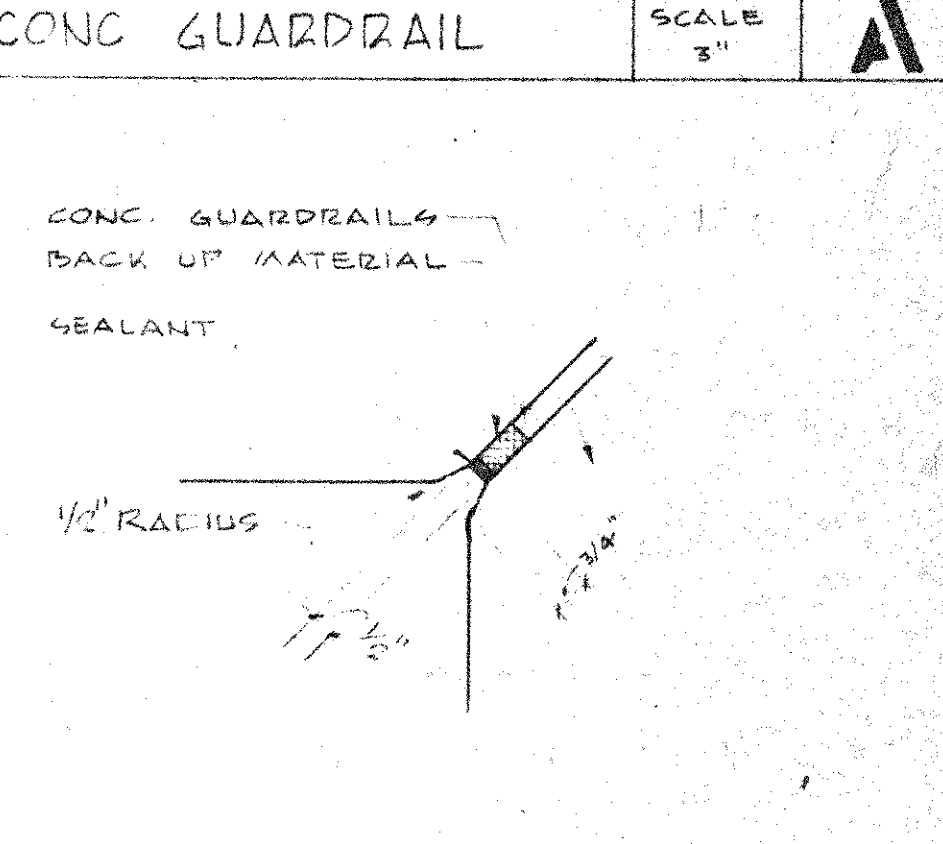
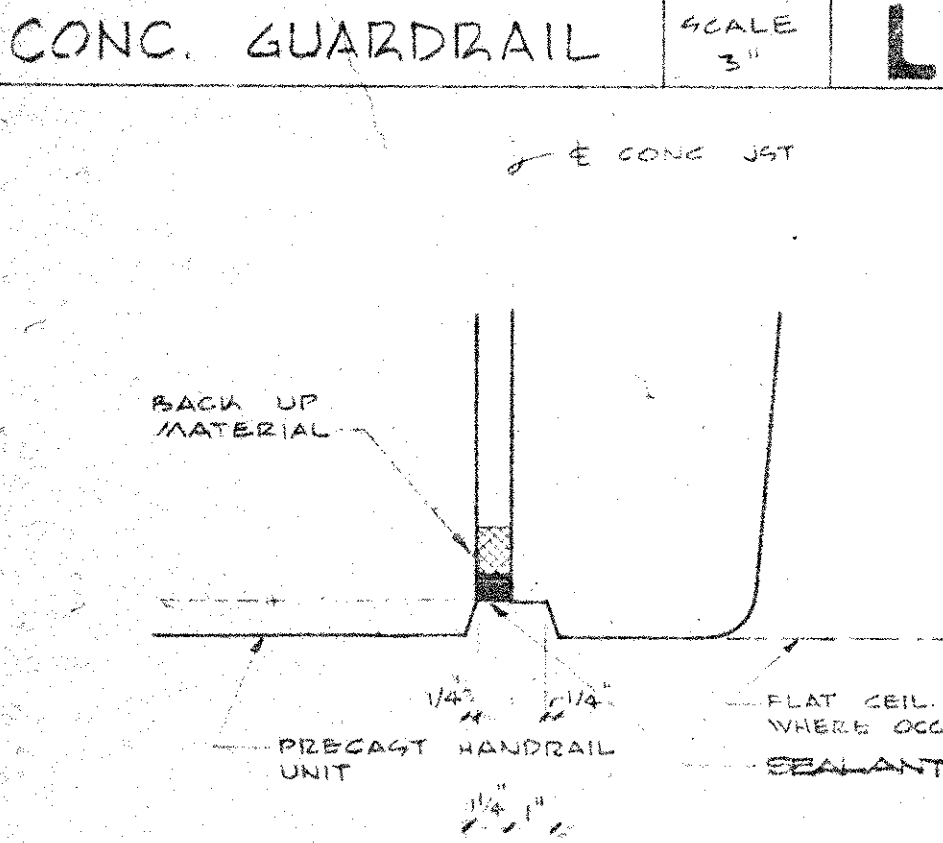
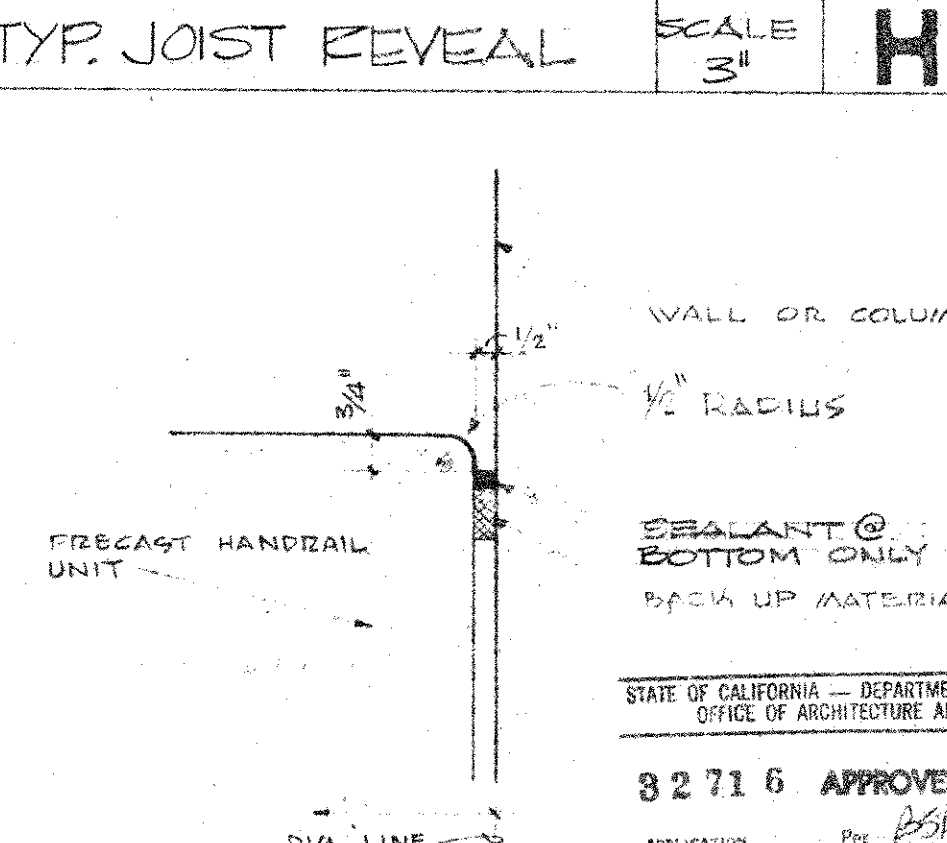
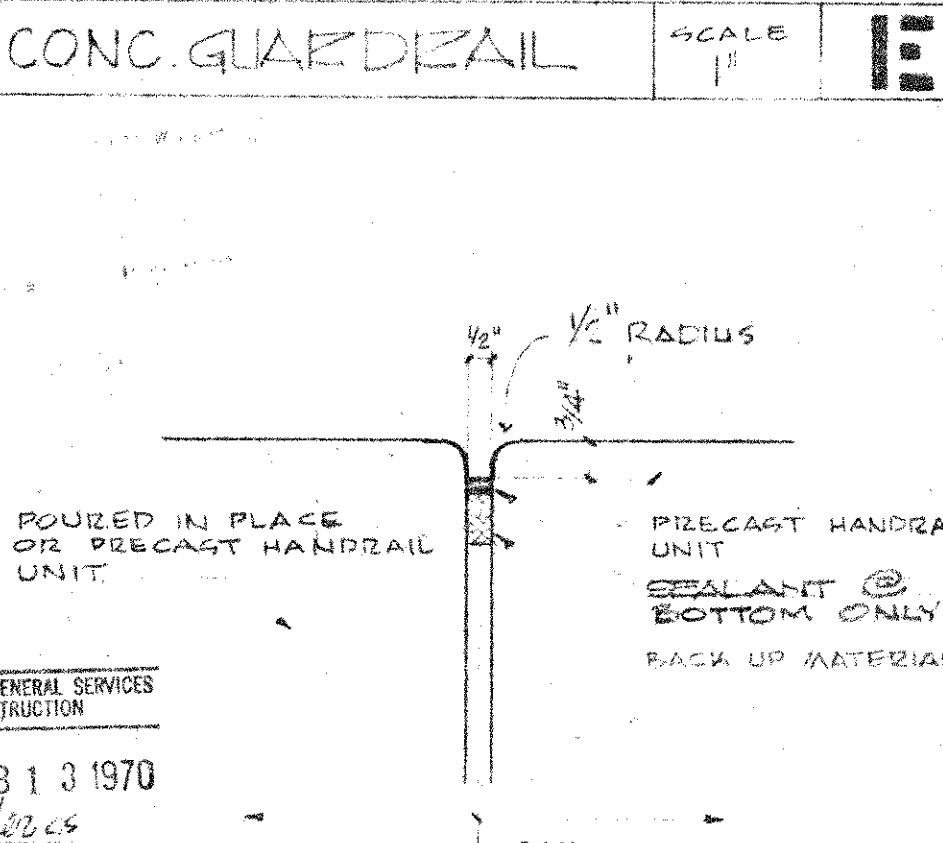
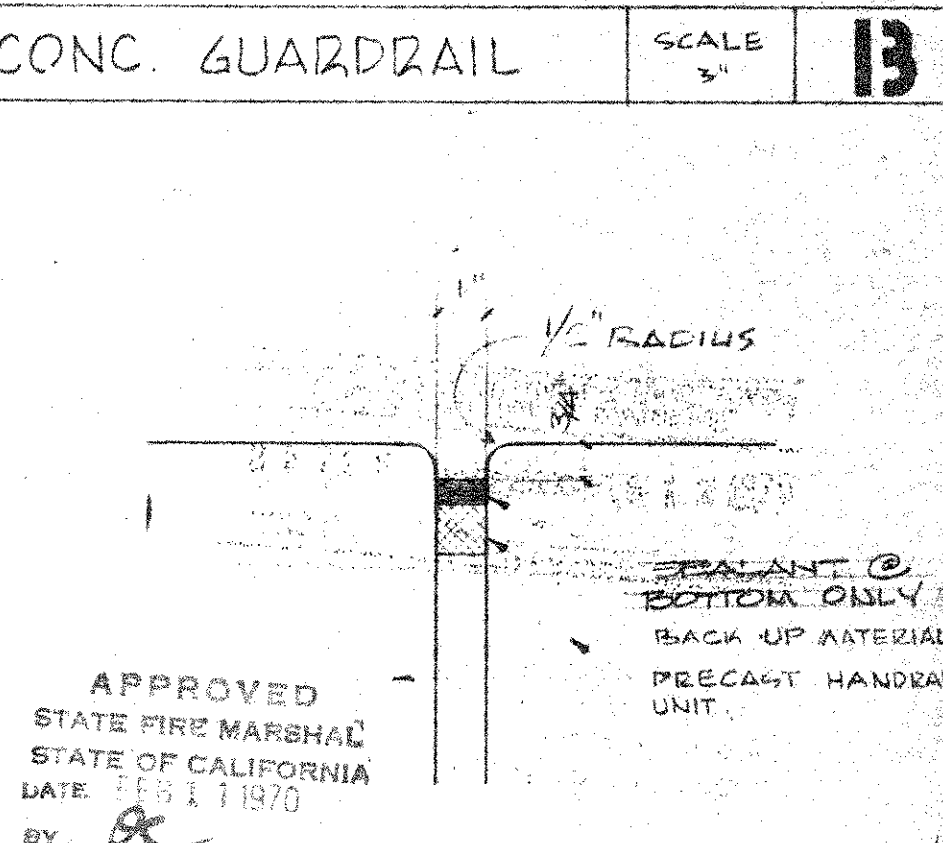

32716 APPROVED FEB 13 1970

APPLICATION NO. Per Alexander CS



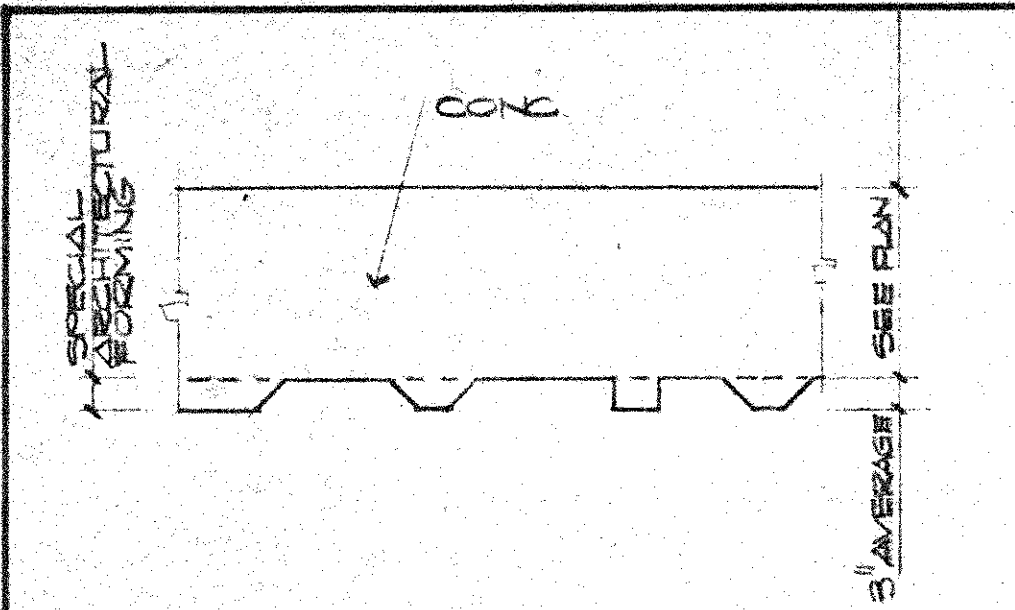




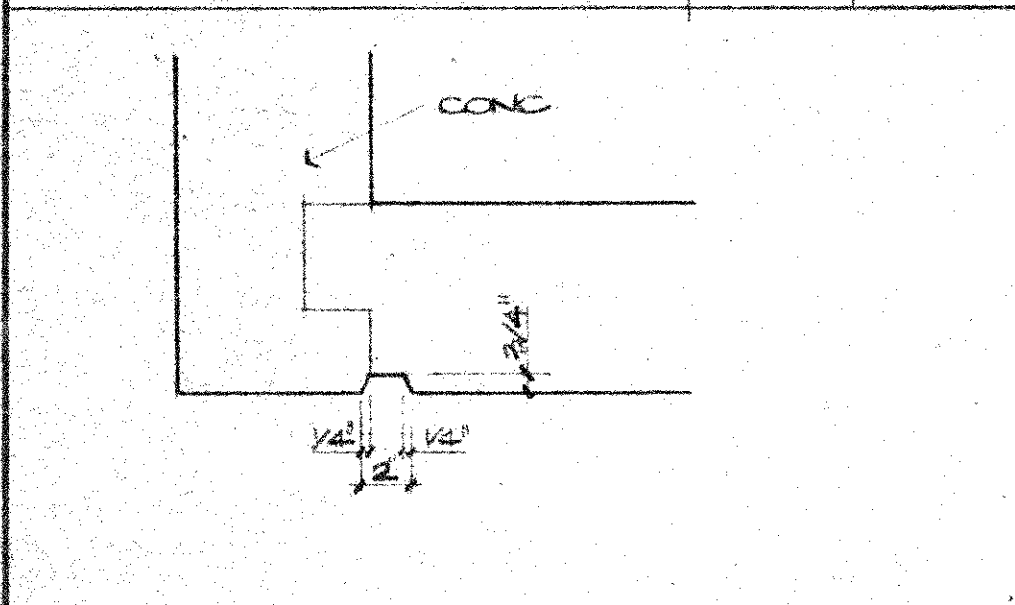
		STAIR TO FLOOR CONN.		SCALE 3"	<b>K</b>			CONC. GUARDRAIL		SCALE 1"	<b>G</b>			CONC. GUARDRAIL		SCALE 1"	<b>D</b>			CONC. GUARDRAIL		SCALE 3"	<b>A</b>
		CONC. GUARDRAIL		SCALE 3"	<b>L</b>			TYP. JOIST REVEAL		SCALE 3"	<b>H</b>			CONC. GUARDRAIL		SCALE 1"	<b>E</b>			CONC. GUARDRAIL		SCALE 3"	<b>B</b>
		CONC. GUARDRAIL		SCALE 3"	<b>M</b>			CONC. GUARDRAIL		SCALE 3"	<b>J</b>			CONC. GUARDRAIL		SCALE 3"	<b>F</b>			CONC. GUARDRAIL		SCALE 3"	<b>C</b>
SCALE AS NOTED DATE DRAWN JOB C-1007				WILLIAM E. BLUROCK & ASSOCIATES CAUDILL ROWLETT SCOTT associated architects 3510 BAYSIDE DR. CORONA DEL MAR 92701		CYPRESS JUNIOR COLLEGE NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT		CONCRETE DETAILS		SHEET 11.05 OF													

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION  
32716 APPROVED FEB 13 1970  
APPROVED BY: [Signature]  
PRINCIPAL

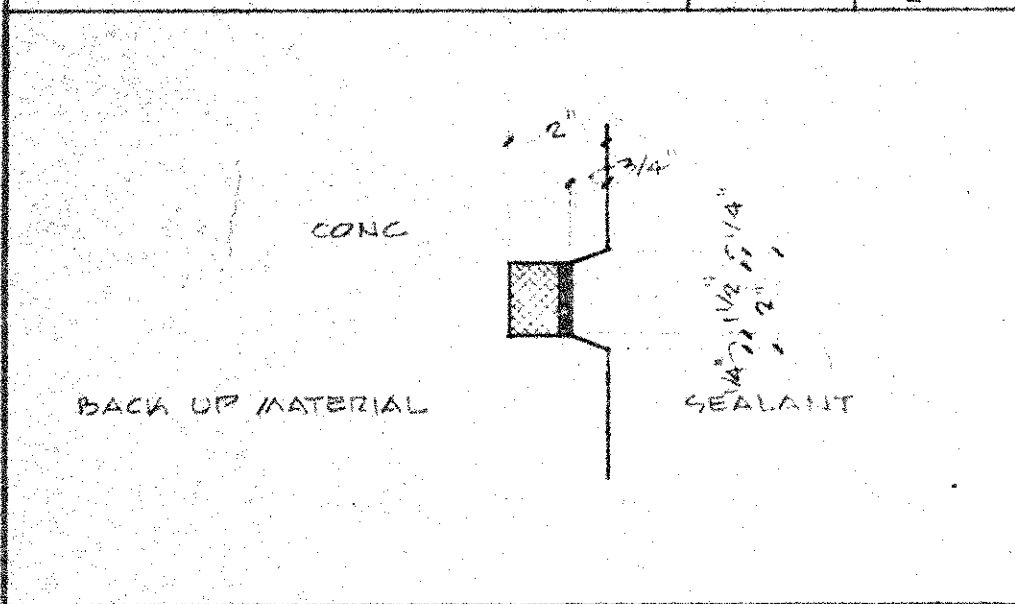
APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE FEB 11 1970  
BY: [Signature]



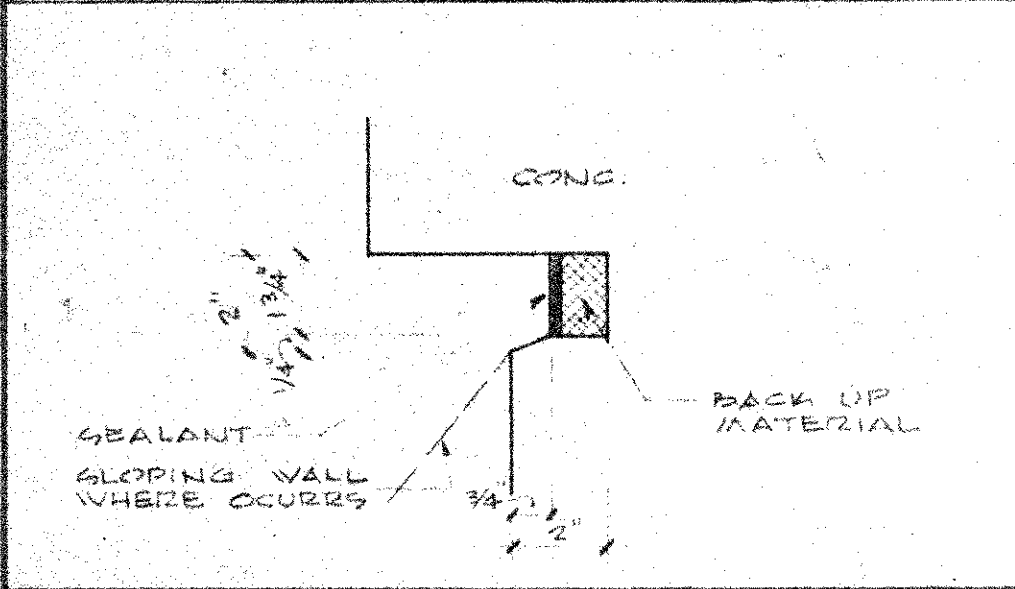
PLAN SECTION



CONCRETE JOINT



CONCRETE JOINT



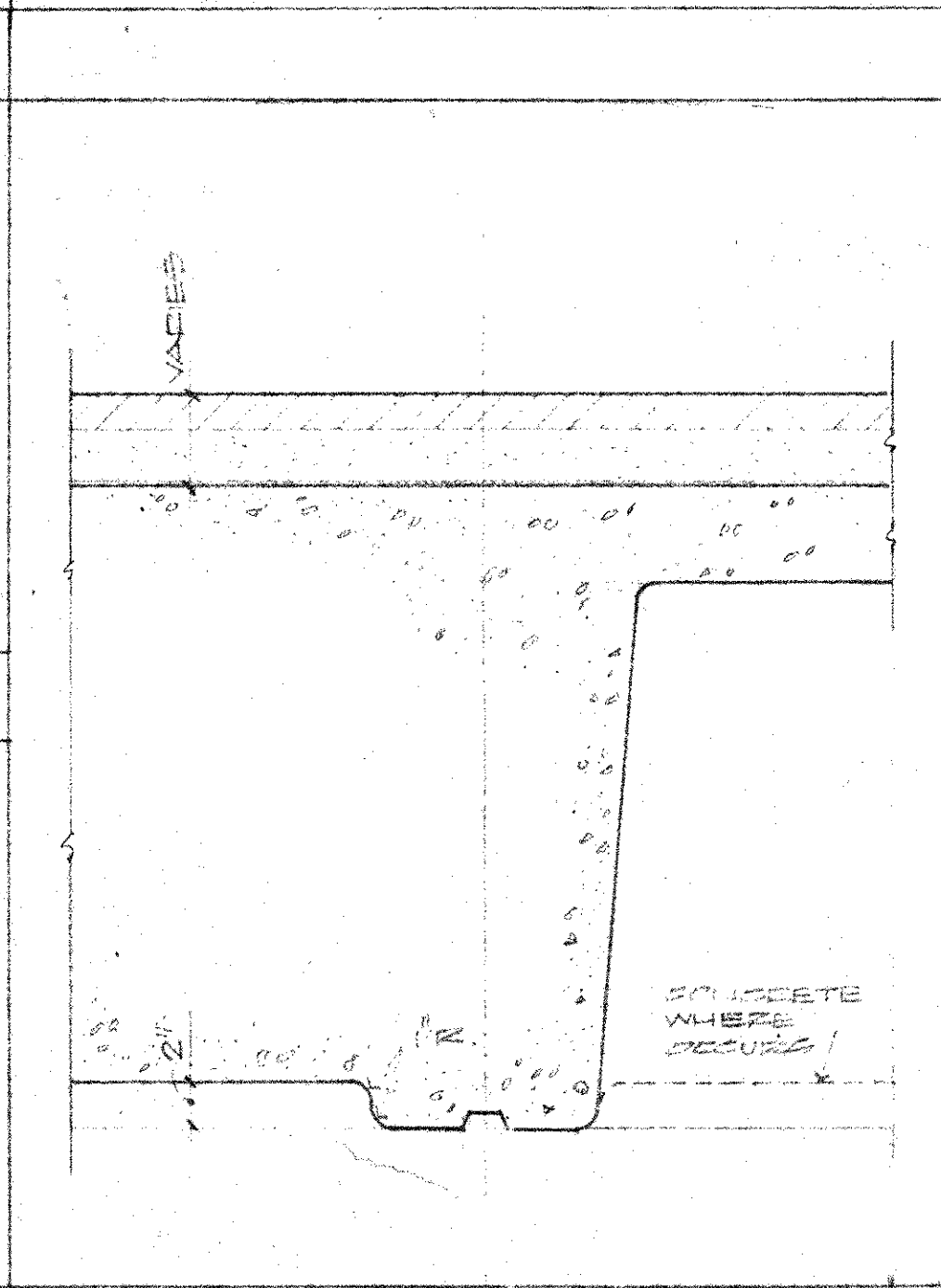
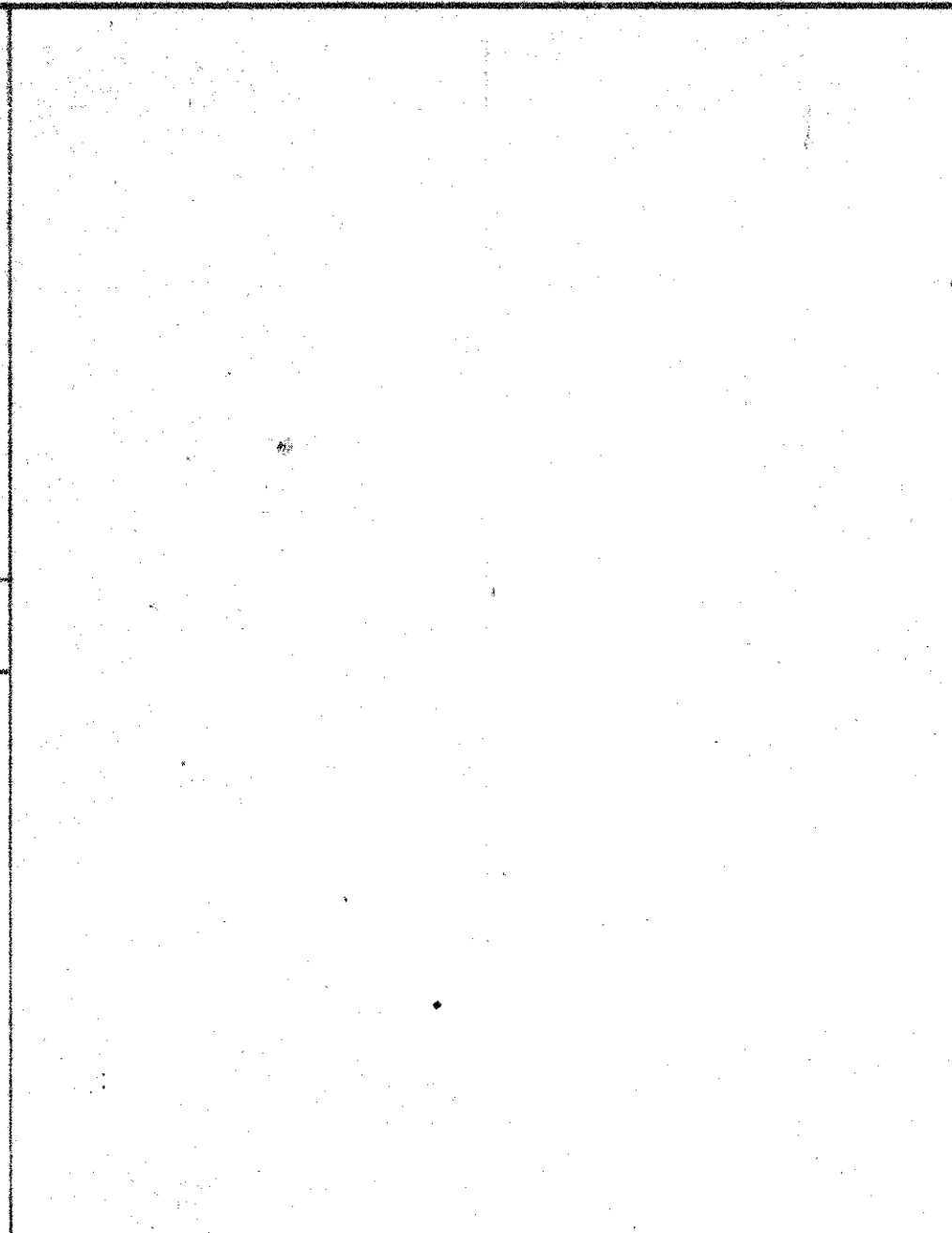
CONCRETE JOINT

SCALE AS NOTED

DATE

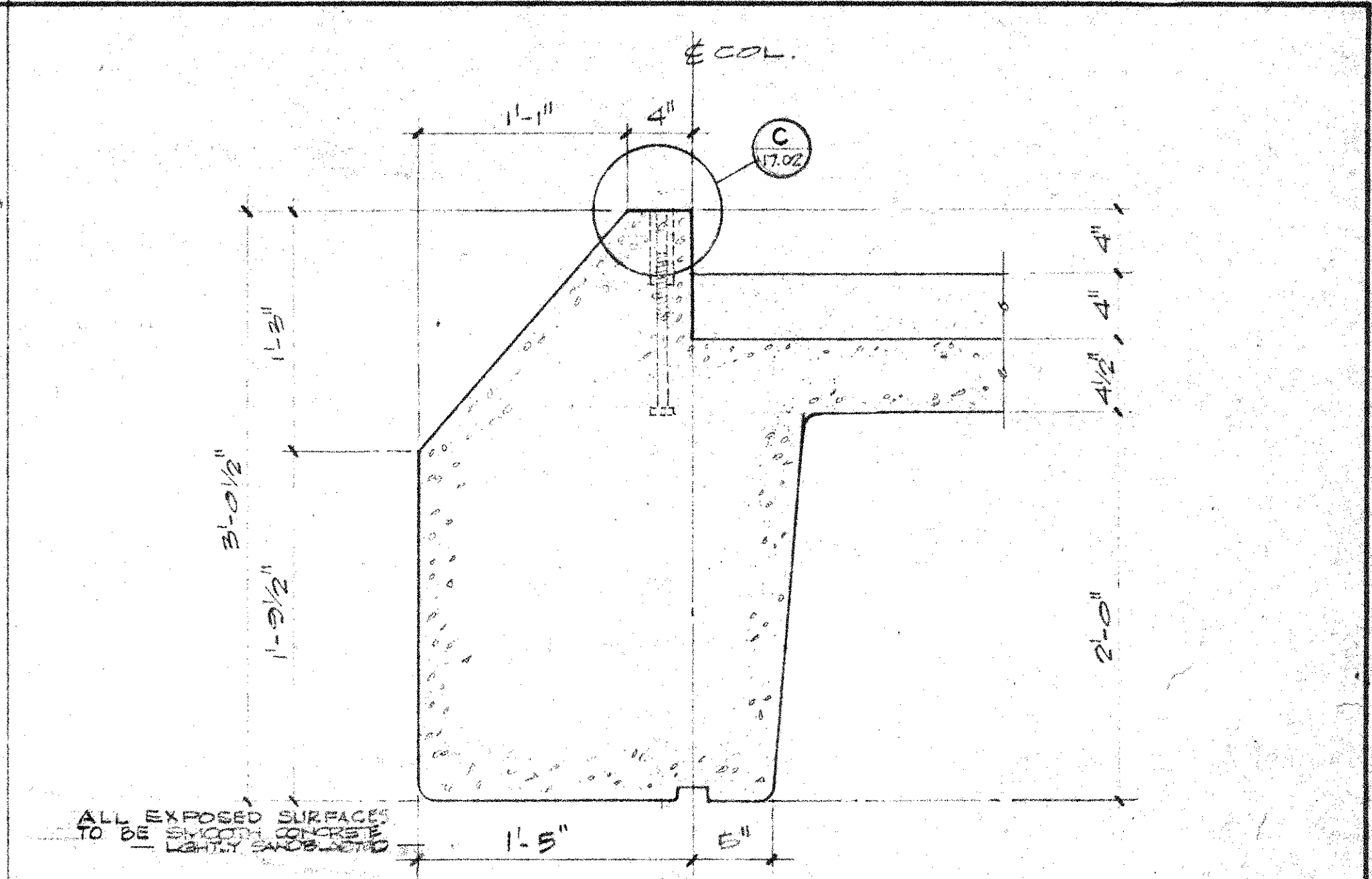
DRAWN

JOB C-1007

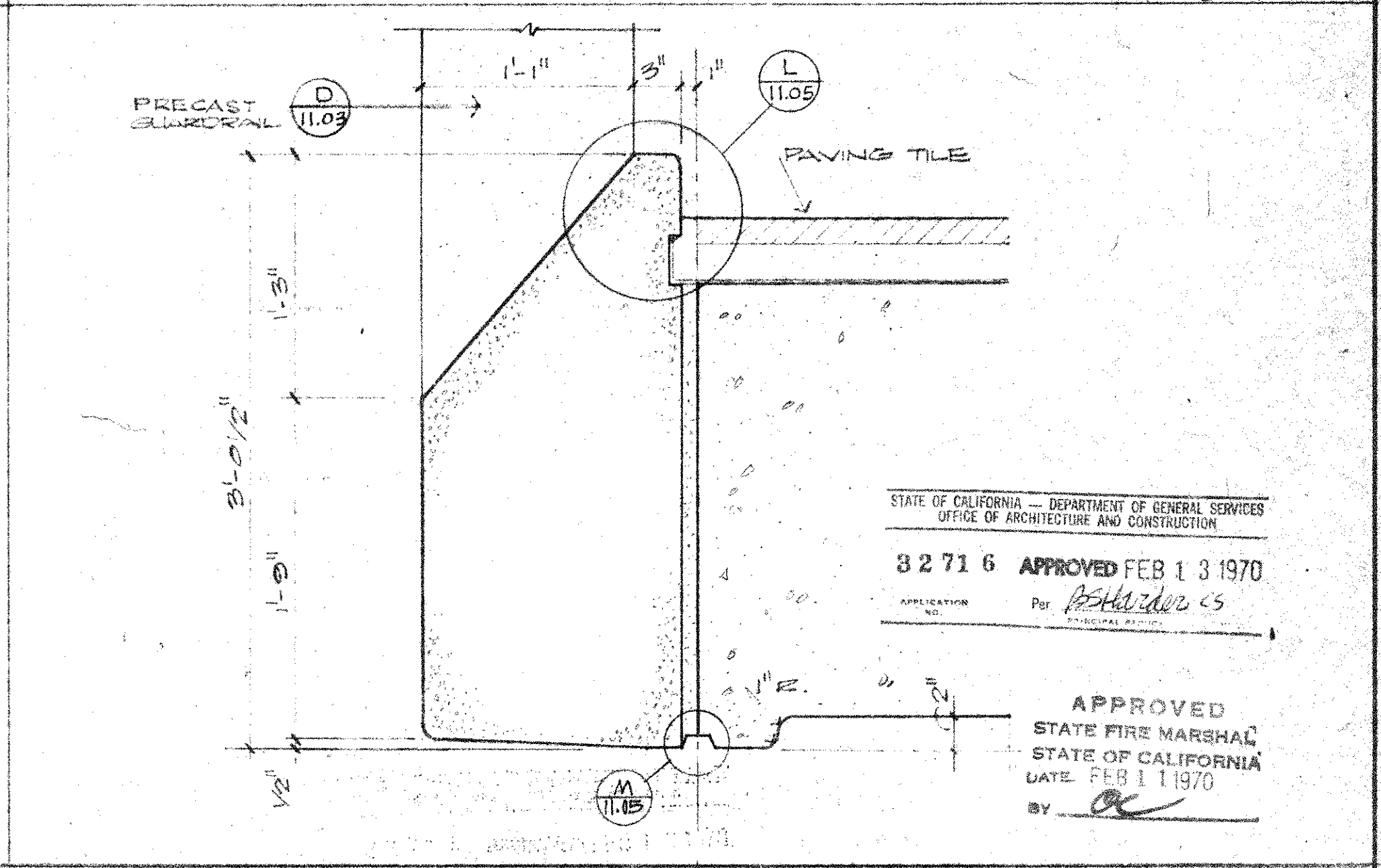


FILLED COFFER

WILLIAM E. BLUROCK & ASSOCIATES  
CAUDILL ROWLETT SCOTT  
associated architects  
1550 BAYSIDE DRIVE, CORONA, DEL MAR 92009 714 673 0300



INTERIOR FLOOR BEAM



FILLED COFFER AT PIAZZA GUARDRAIL

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

32716 APPROVED FEB 13 1970

APPLICATION NO. Per *AS Harzler CS*

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE FEB 11 1970  
BY *AC*

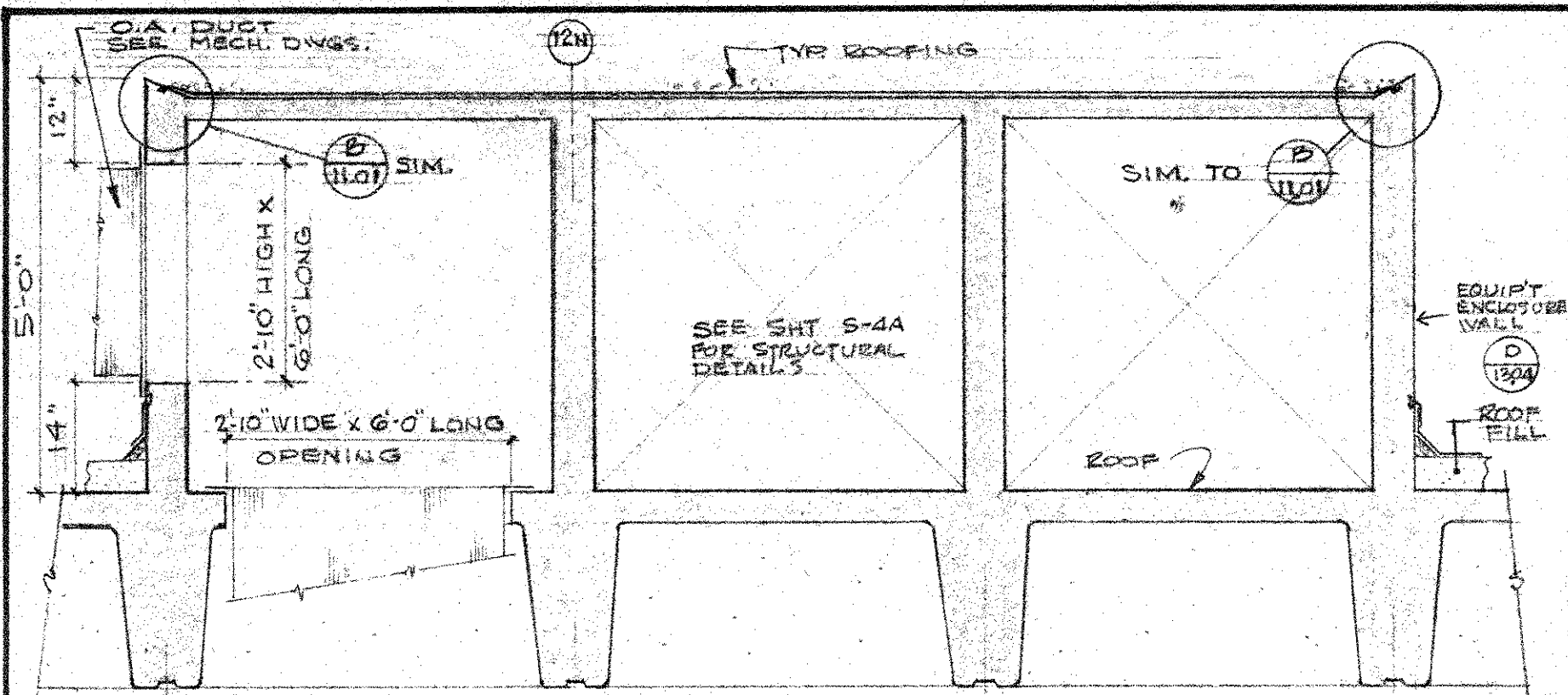
SCALE 1/2" = 1'-0"

13

SHEET 11.07

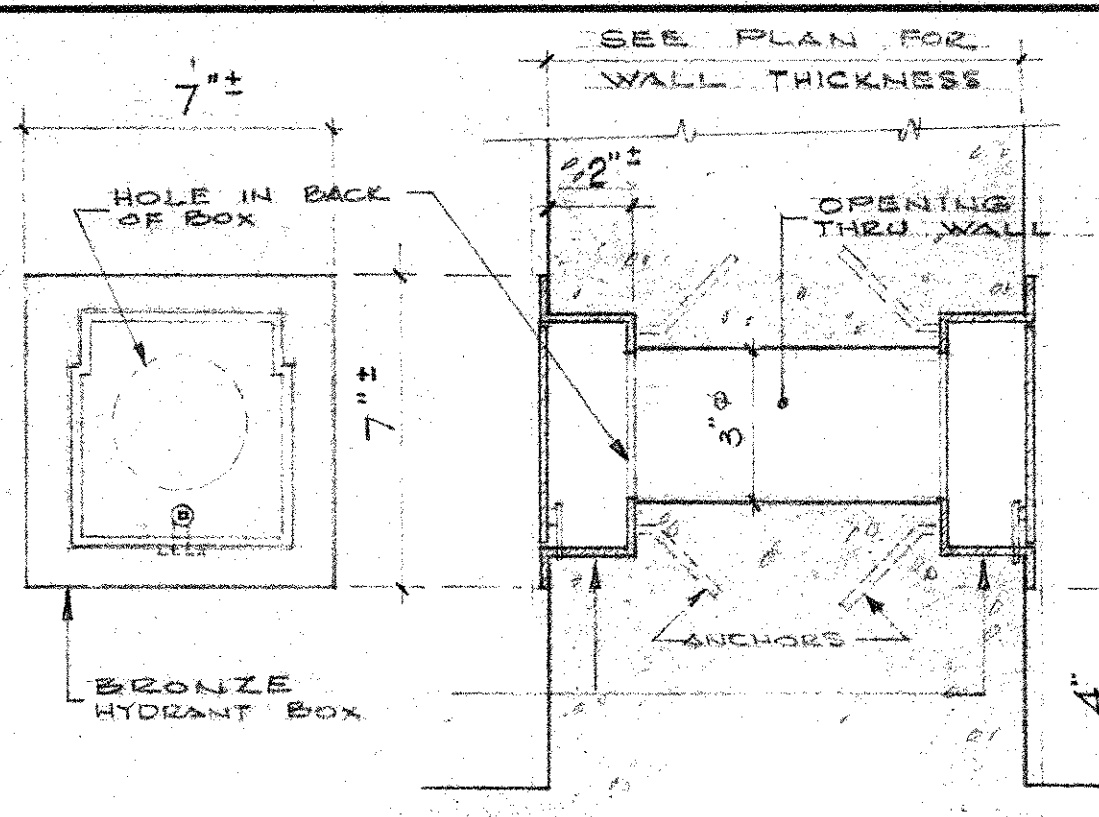
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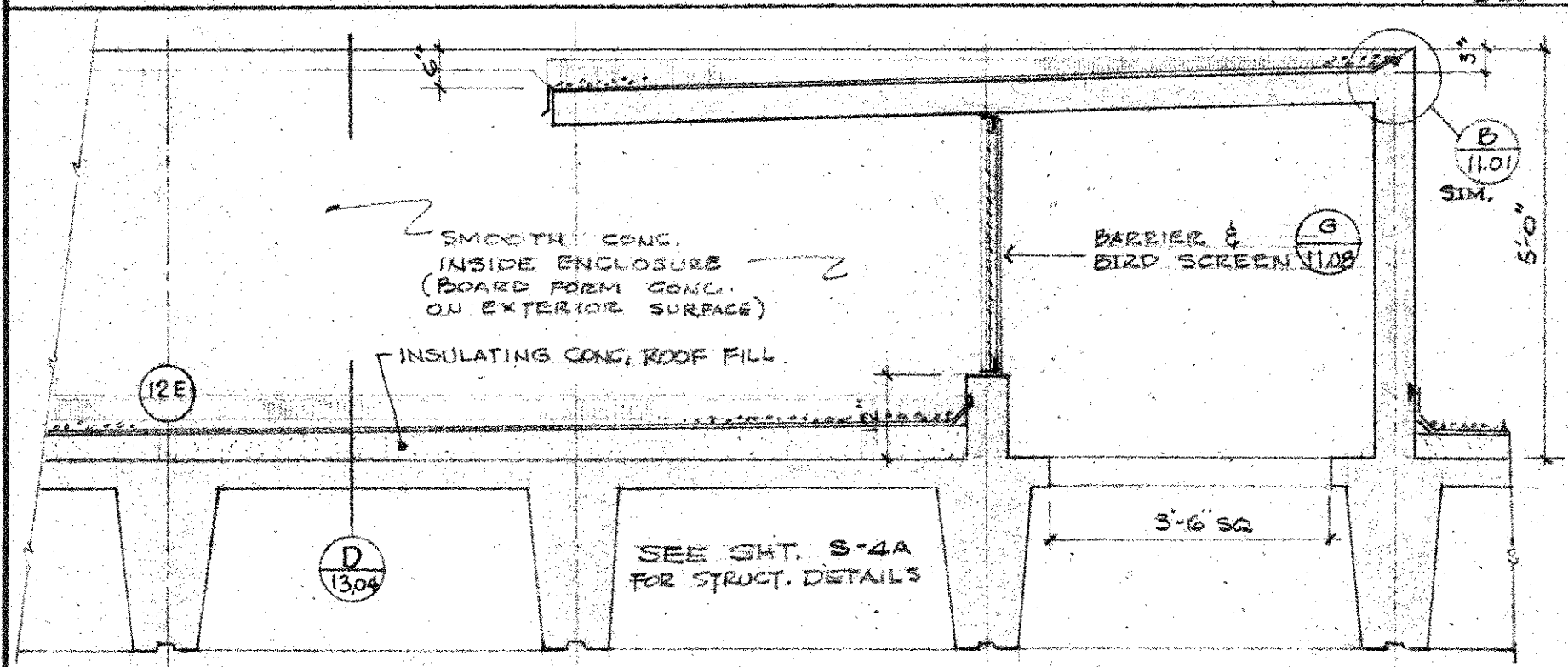
ROOF PLENUM - SECTION

SCALE  
1/2"=1'-0"



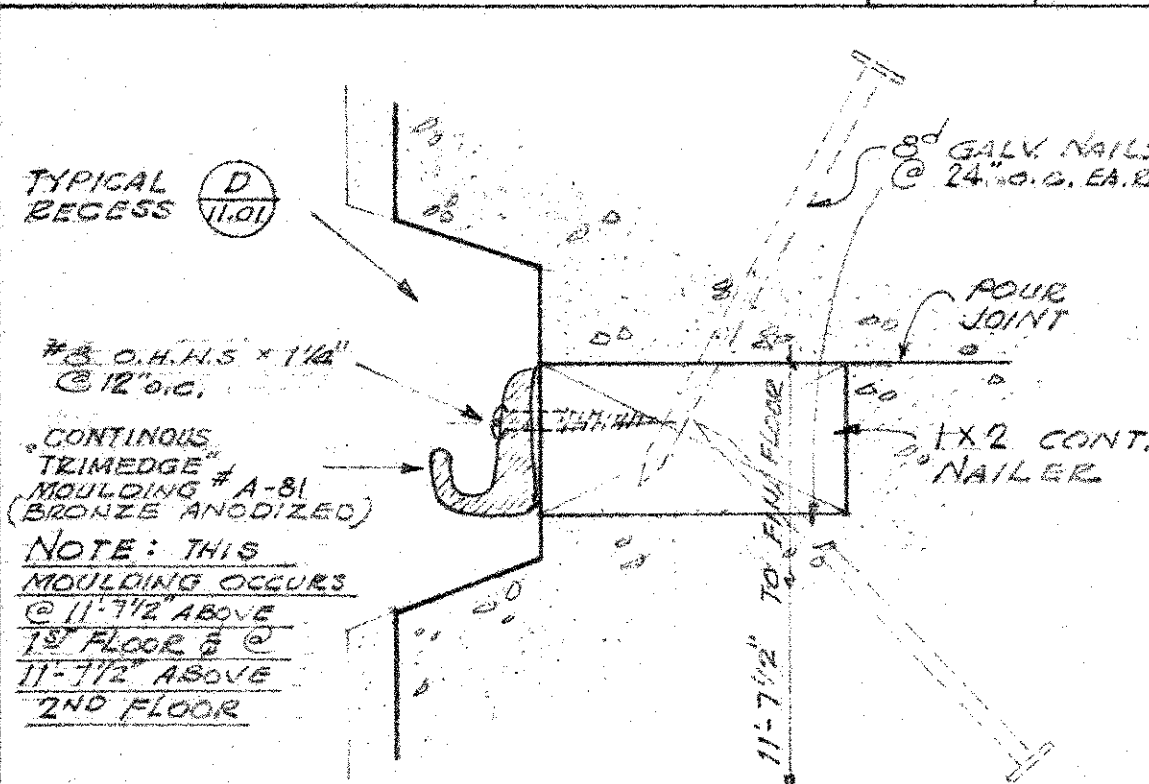
WALL PASS-THROUGH

SCALE  
3"=1'-0"



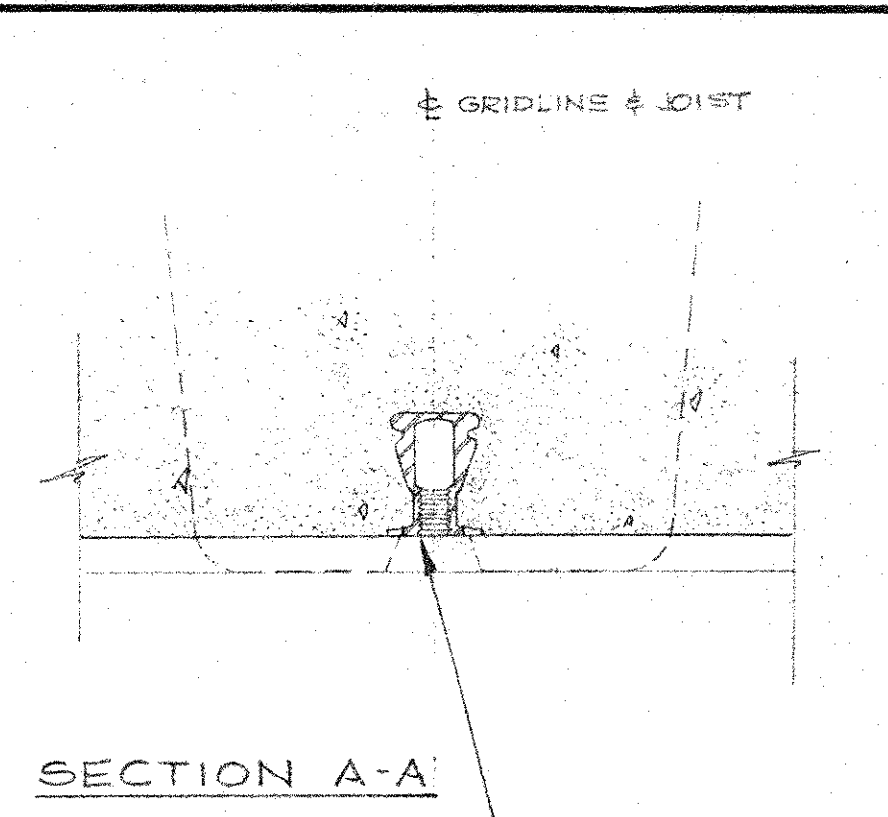
ROOF PLENUM - SECTION

SCALE  
1/2"=1'-0"

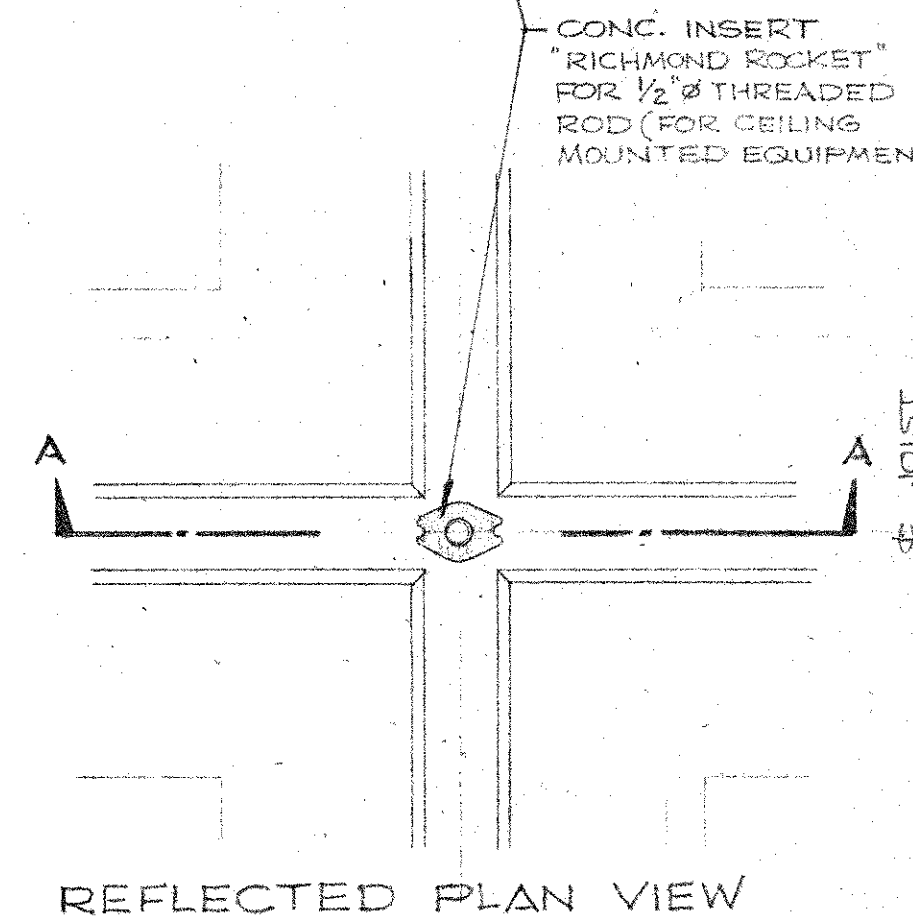


DISPLAY MOULDING

SCALE  
F.S.

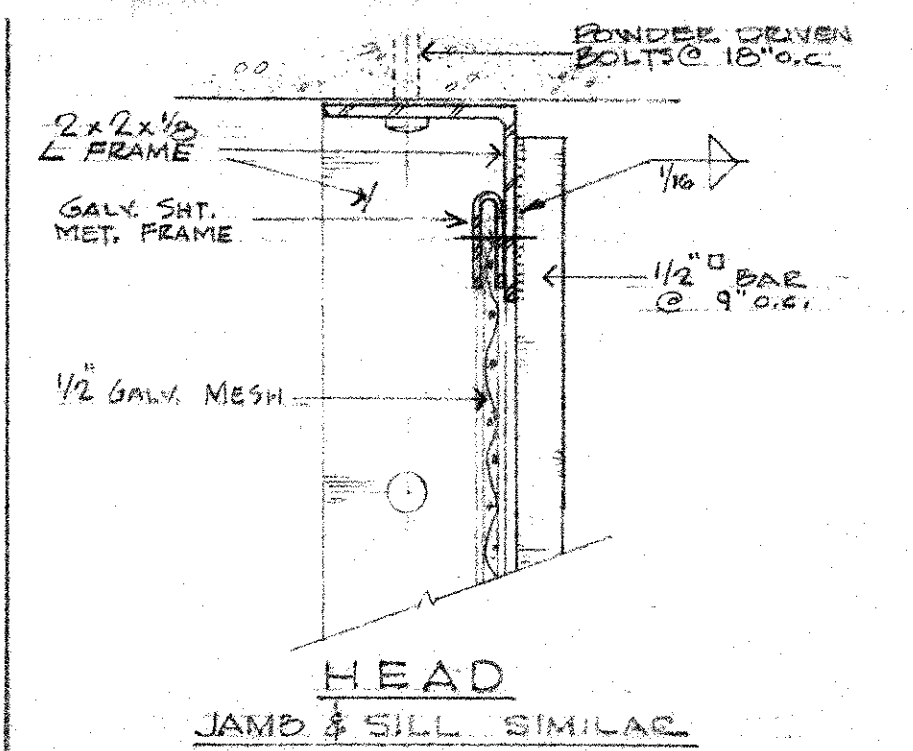


SECTION A-A



REFLECTED PLAN VIEW

Details "E", "F", and "G" not applicable with this revision.

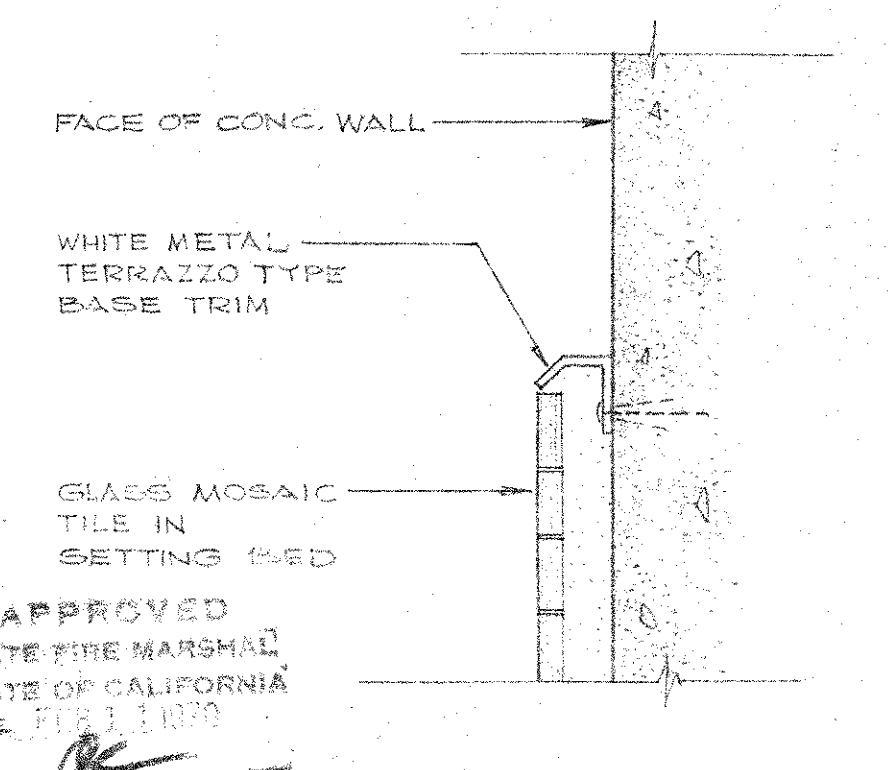


BARRIER AND BIRD SCREEN

SCALE  
1/2" F.S.



STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION  
32716 APPROVED FEB 13 1970  
APPLICATION NO. FOR 85-1000-05



DET. OF CONC. INSERT

SCALE  
3"=1'-0"



SCALE AS NOTED  
DATE  
DRAWN HMK  
JOB C-1007



WILLIAM E. BLUROCK & ASSOCIATES  
CAUDILL ROWLETT SCOTT  
associated architects  
1550 BAYSIDE DR. CORONA DEL MAR 714 673 0300

CYPRESS JUNIOR COLLEGE  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

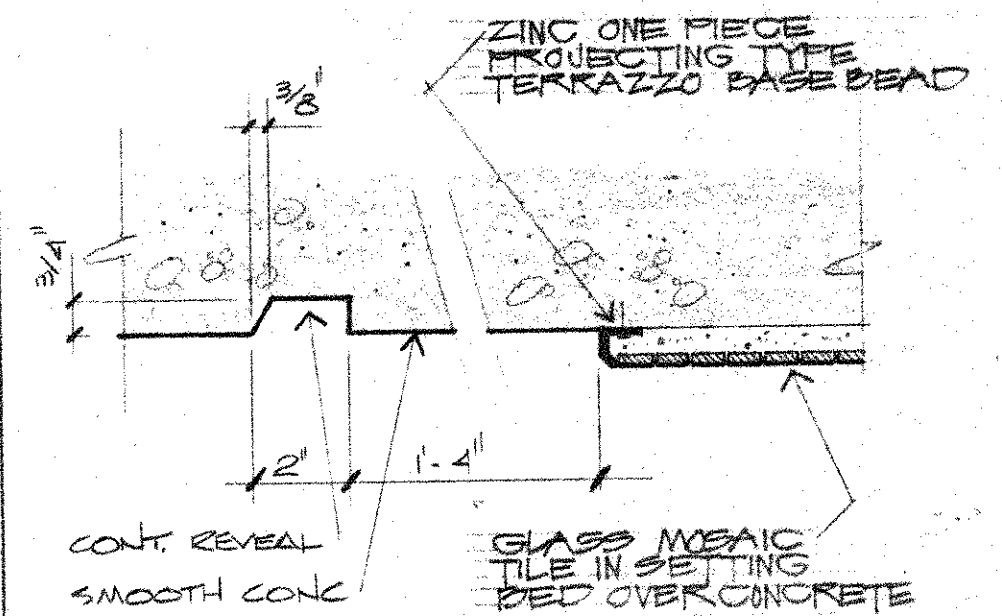
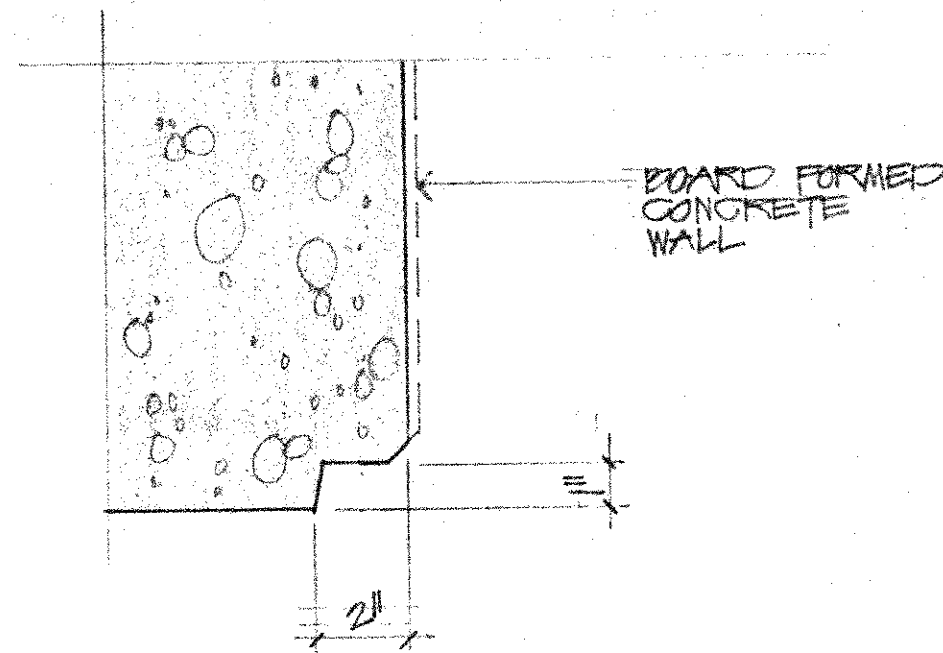
CONCRETE DETAILS

SCALE  
HALF SIZE



SHEET  
11.08  
OF





REVEAL AT OVERHANG

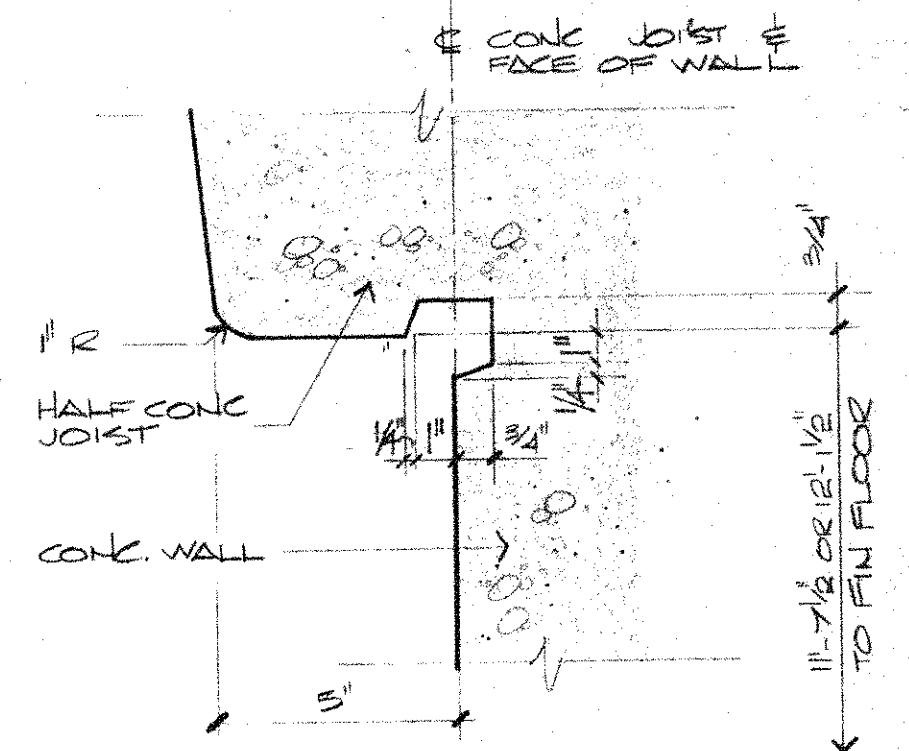
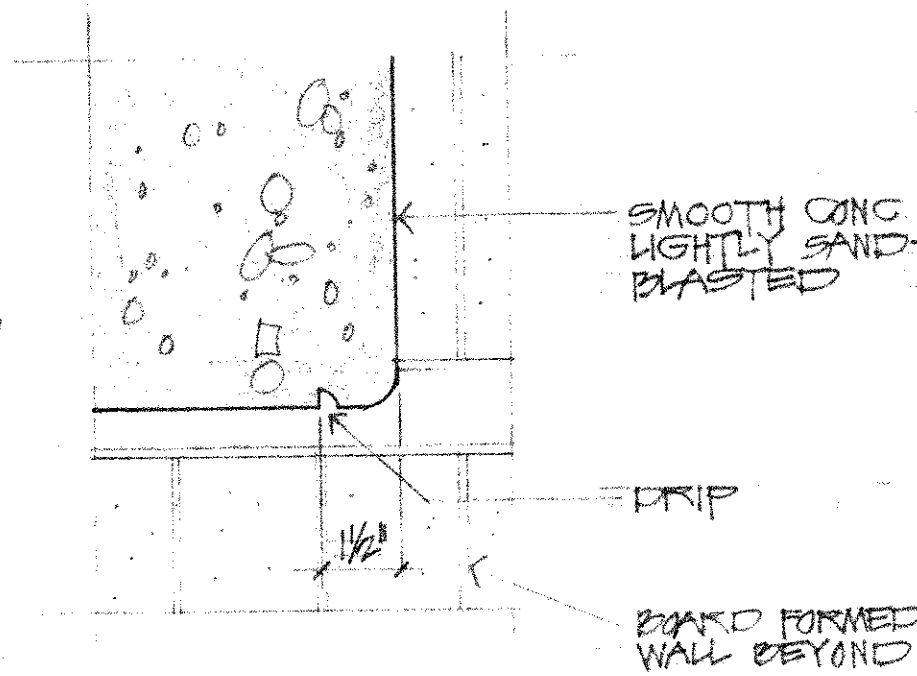
SCALE  
3"=1'-0"

**D**

PLAN

SCALE  
3"

**A**



DIP DETAIL

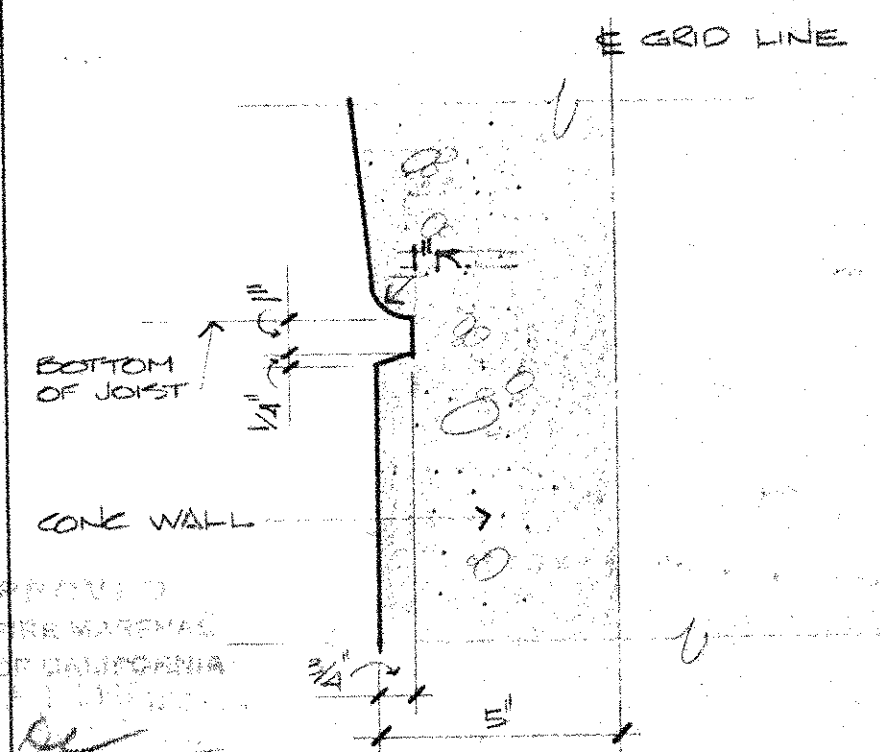
SCALE  
3"=1'-0"

**E**

CONC WALL HEAD

SCALE  
3"

**B**



CONC WALL HEAD

SCALE  
3"

**C**

CONCRETE DETAILS

SHEET

**11.09**

OF

SCALE AS NOTED

DATE

DRAWN G.L.V.S

JOB C-1007

CYPRESS COLLEGE

PHASE II

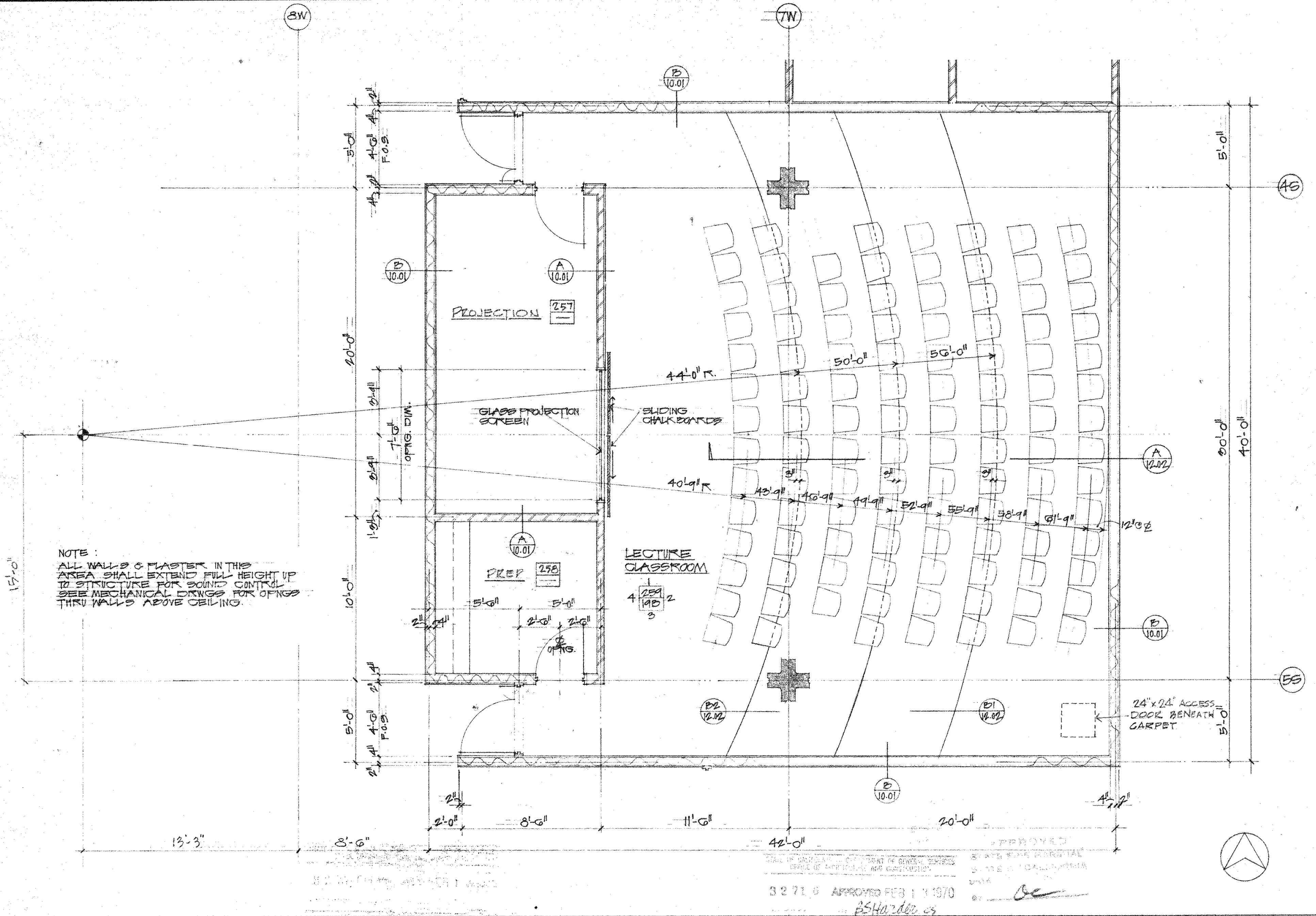
**WB**  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF CONSTRUCTION AND CONSTRUCTION

3-2-77 - APPROVED 1-1-77

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE 1-1-77



SCALE 1/4" = 1'-0"

DATE

DRAWN VONSUND

JOB C-1007

# CYPRESS COLLEGE PHASE II

*William E. Blurock*

**WB**  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

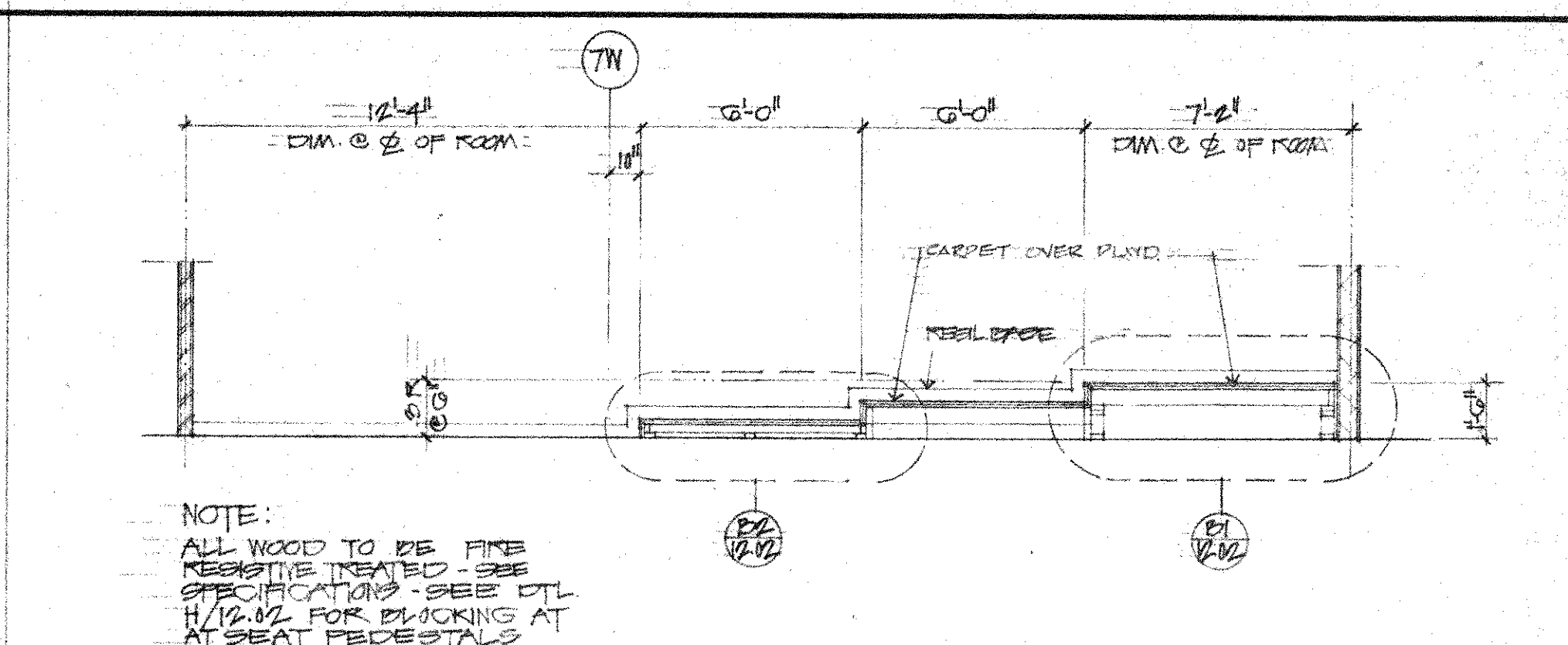
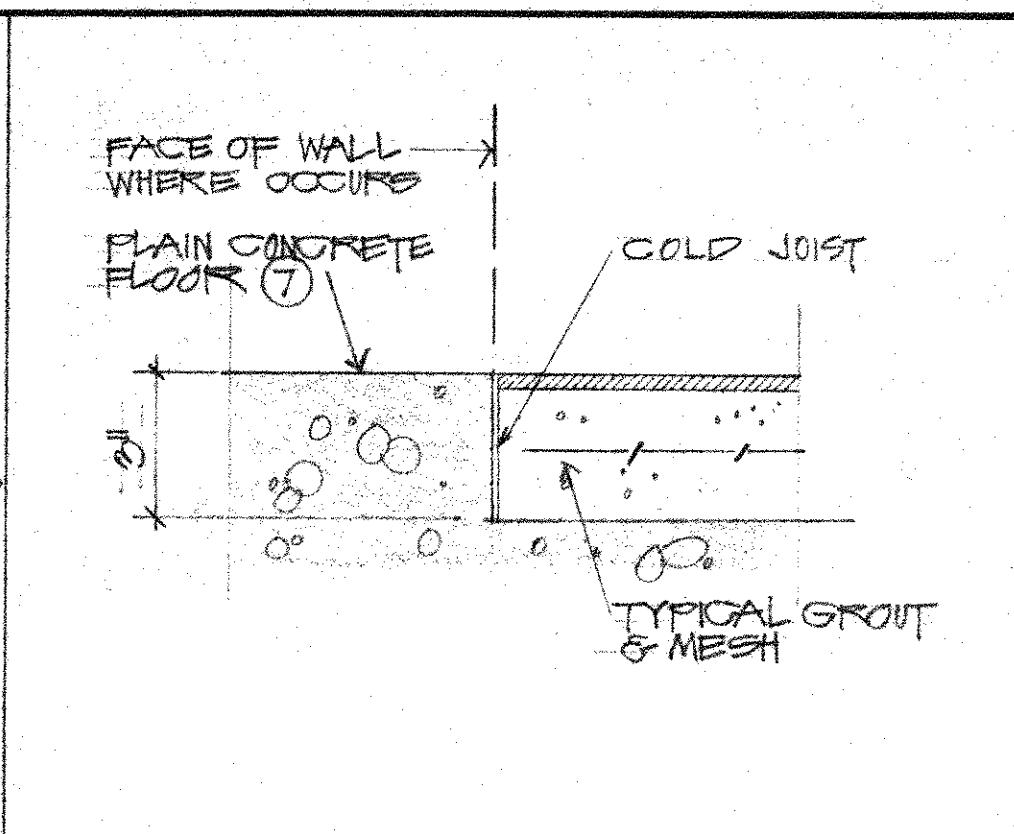
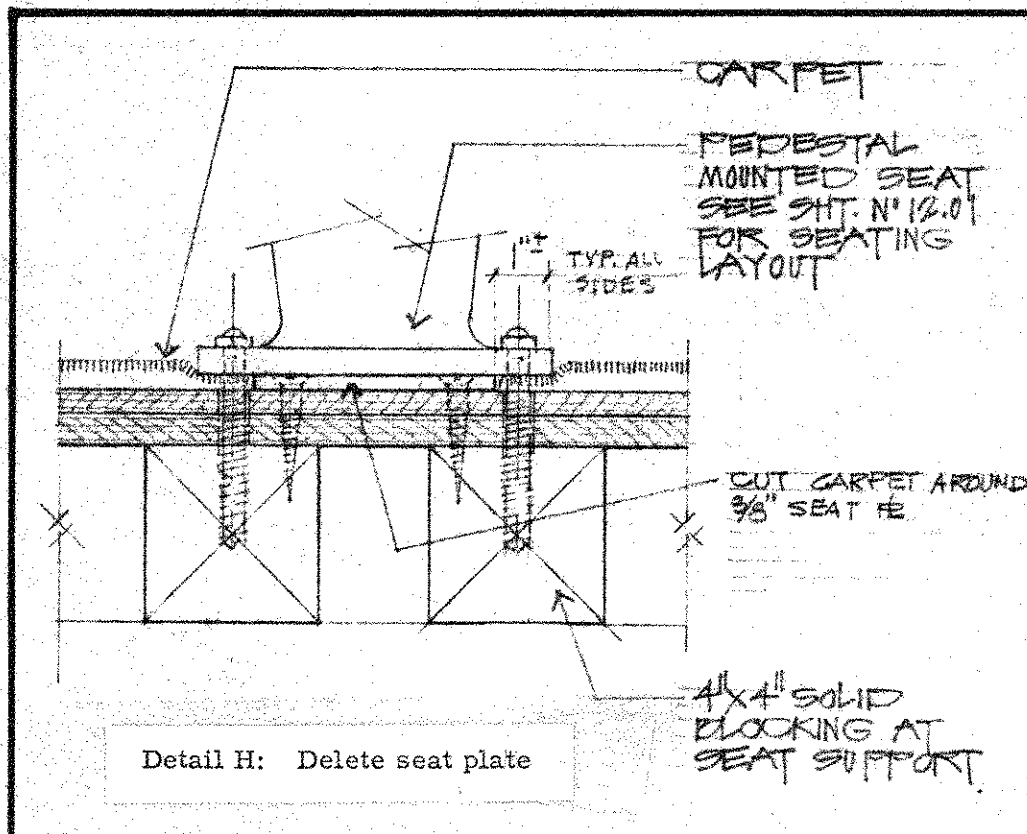
PARTIAL PLAN

FLOOR DETAILS

SCALE 1/4" = 1'-0"

SHEET 12.01

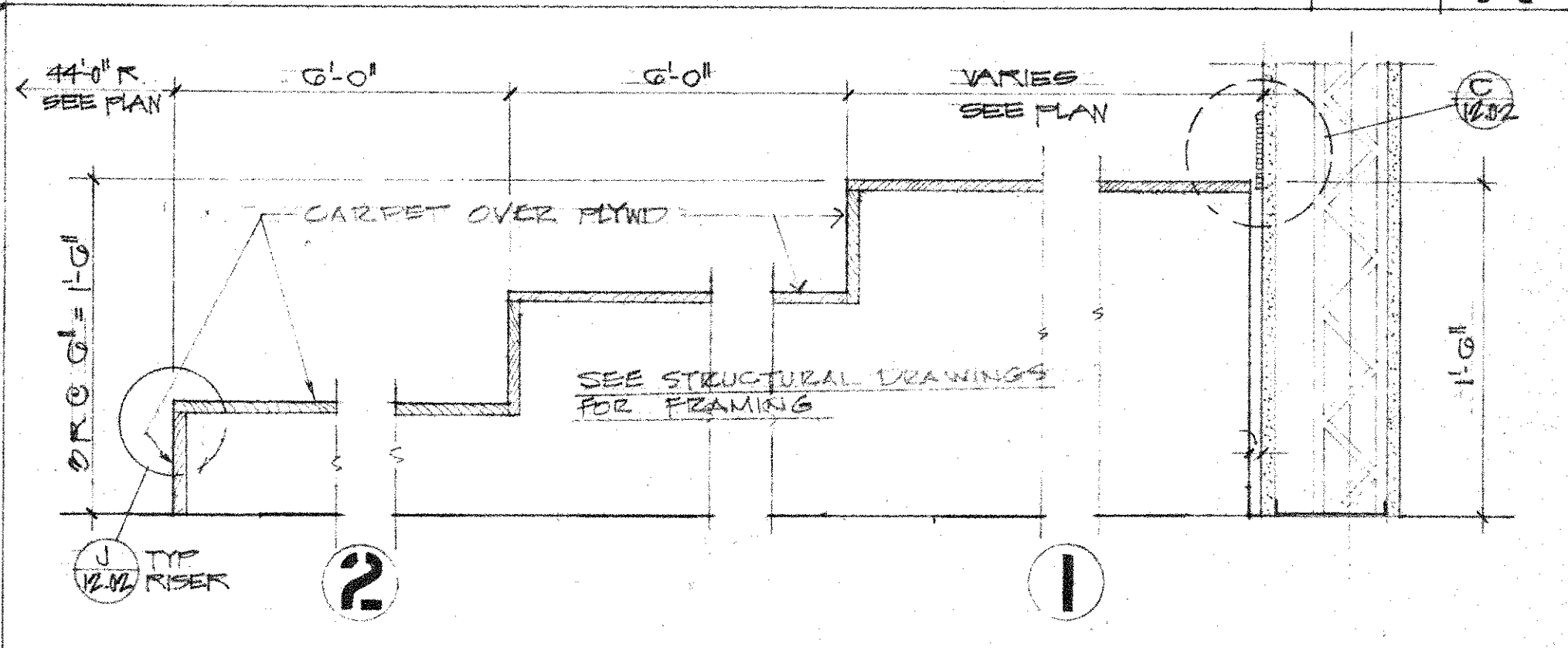
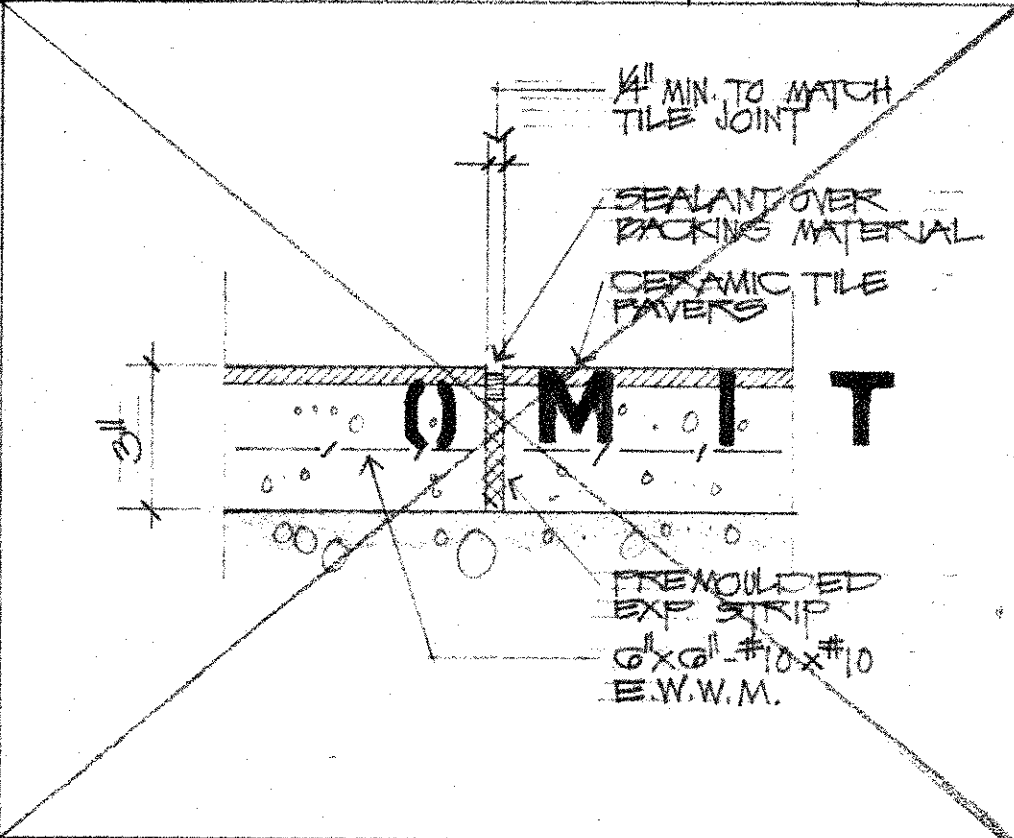
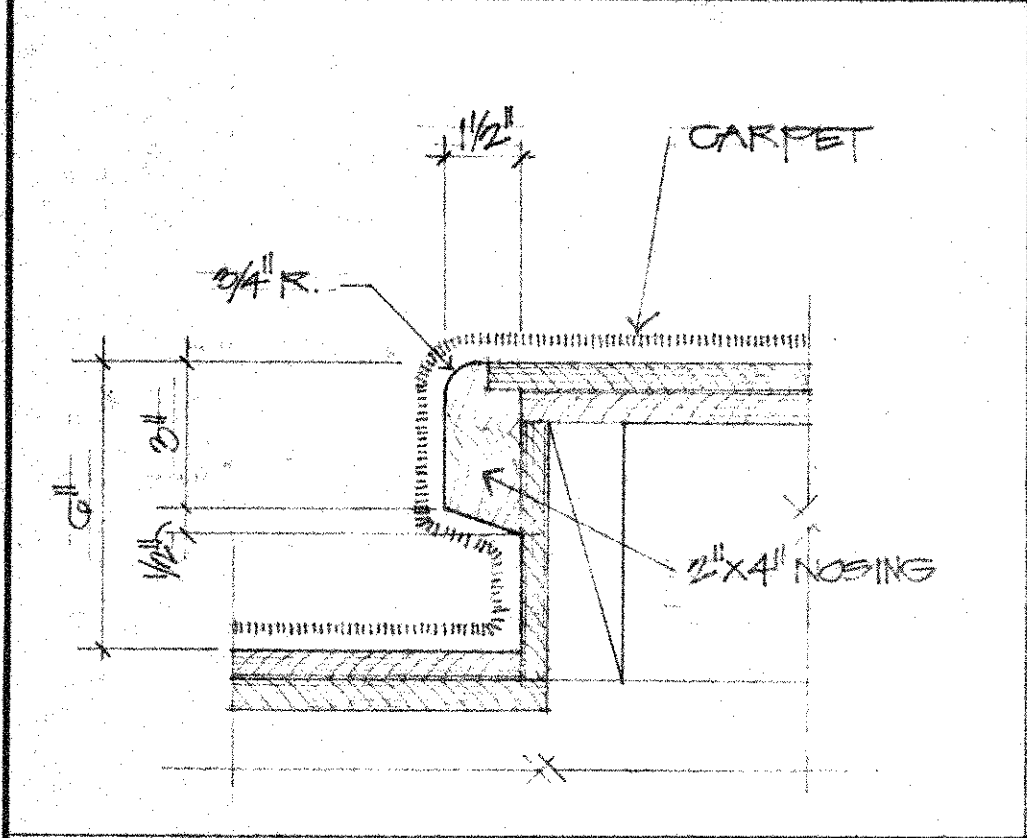
OF



SEAT SUPPORTS SCALE 3/8"=1'-0" **H**

PAVERS AT CONCRETE SCALE 3/8"=1'-0" **I**

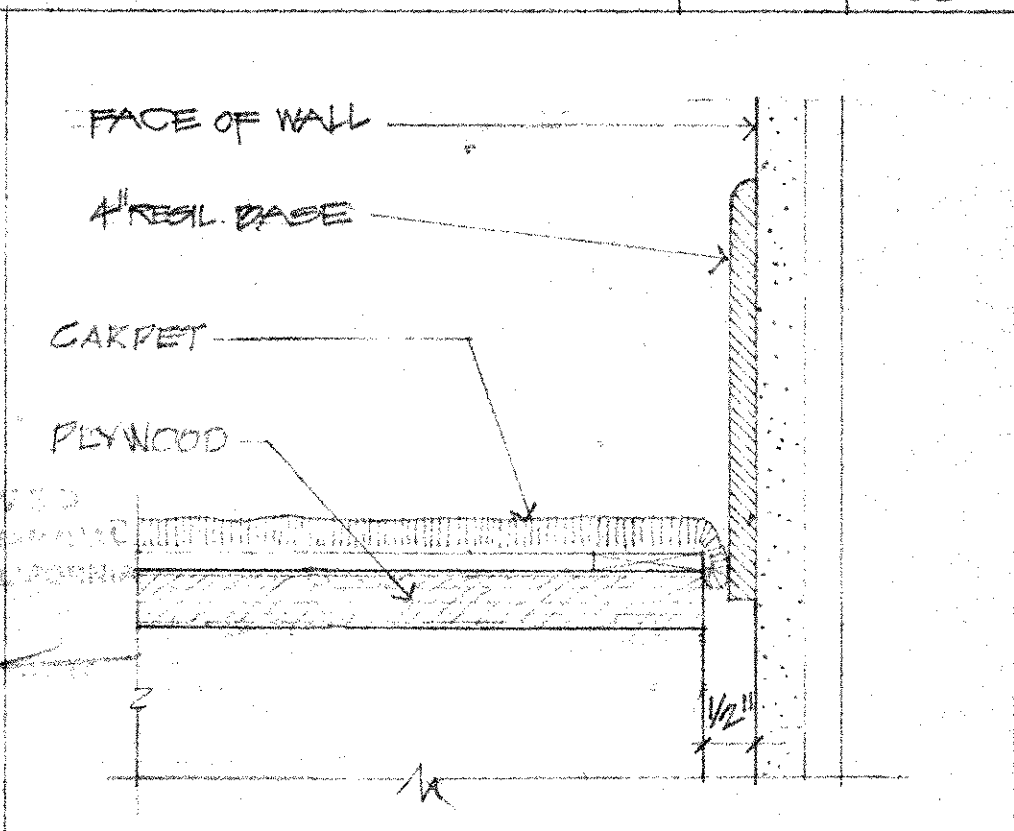
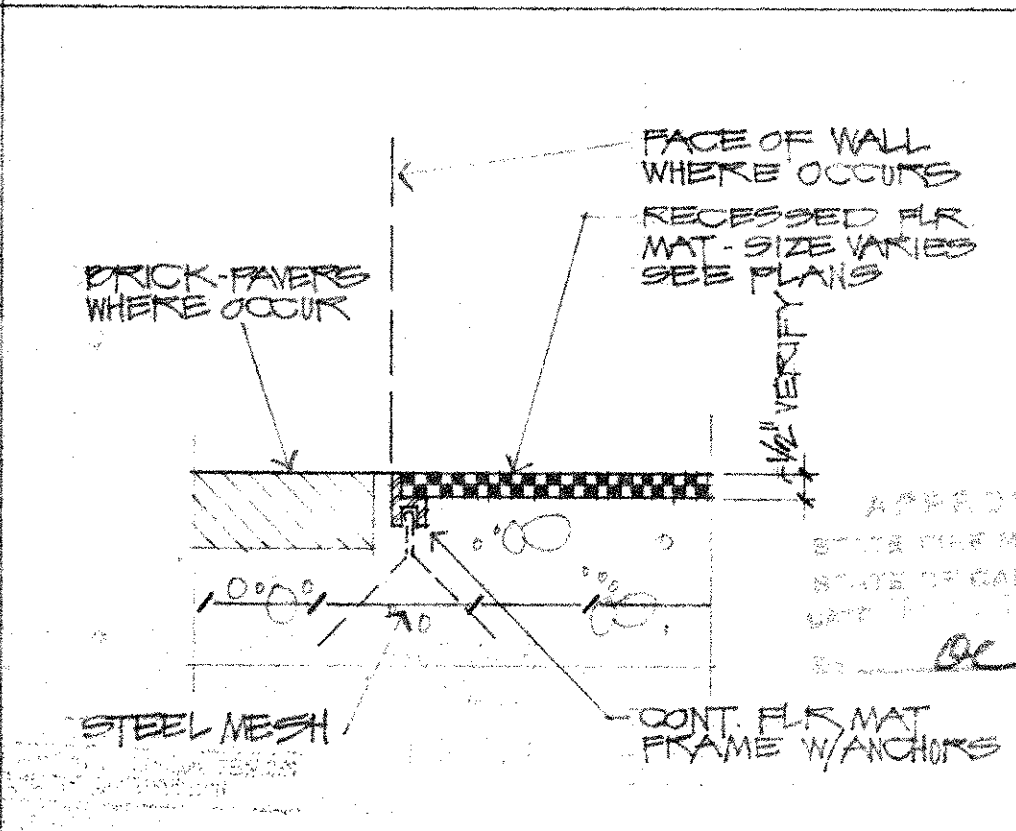
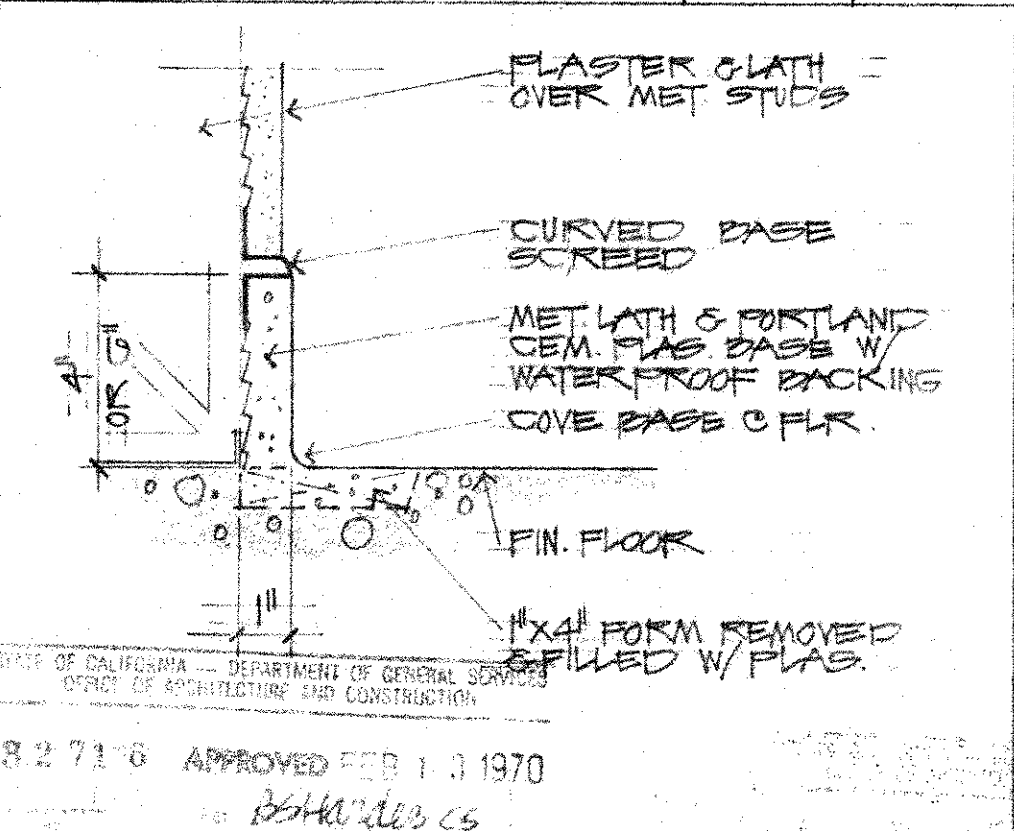
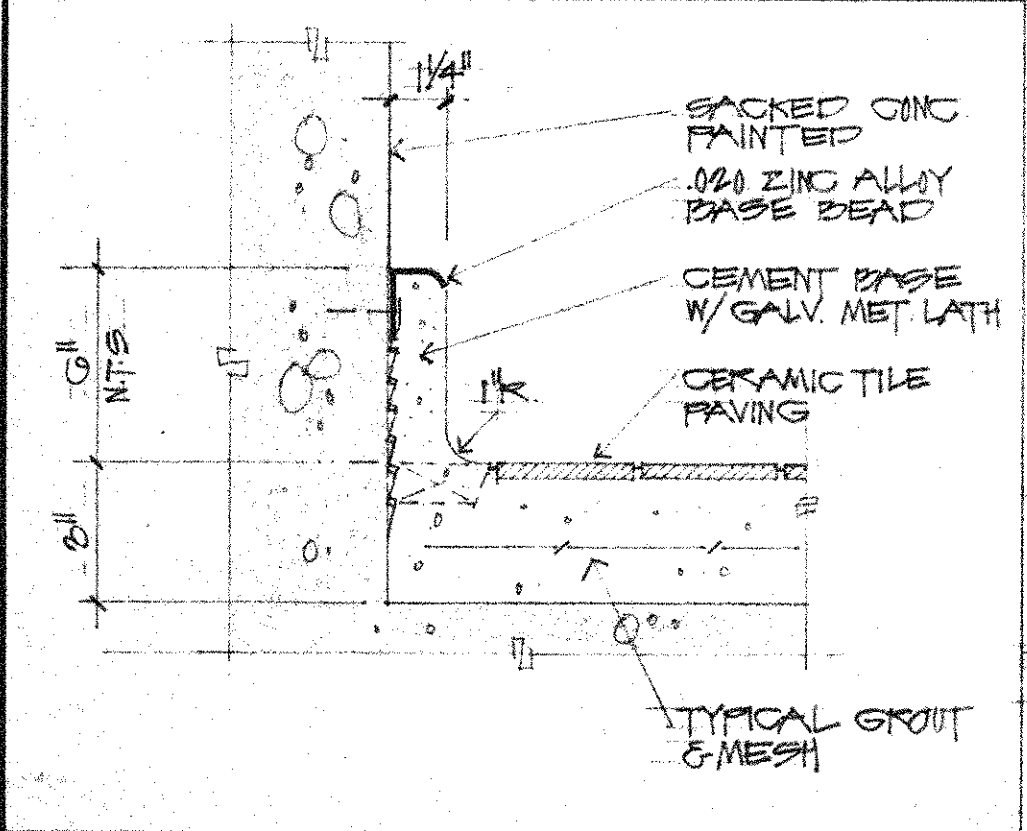
SECTION - PLATFORM SCALE 1/4"=1'-0" **A**



PLATFORM RISER SCALE 3/8"=1'-0" **J**

PAVING EXP. JOINT SCALE 3/8"=1'-0" **F**

WOOD PLATFORM DETAILS SCALE 1/8"=1'-0" **B**



CEMENT BASE SCALE 3/8"=1'-0" **K**

CEMENT BASE SCALE 3/8"=1'-0" **G**

FLOOR MAT RECESS SCALE 3/8"=1'-0" **D**

VENT BASE SCALE 3/8"=1'-0" **C**

SCALE AS NOTED  
DATE  
DRAWN VON SUND  
JOB C-1007

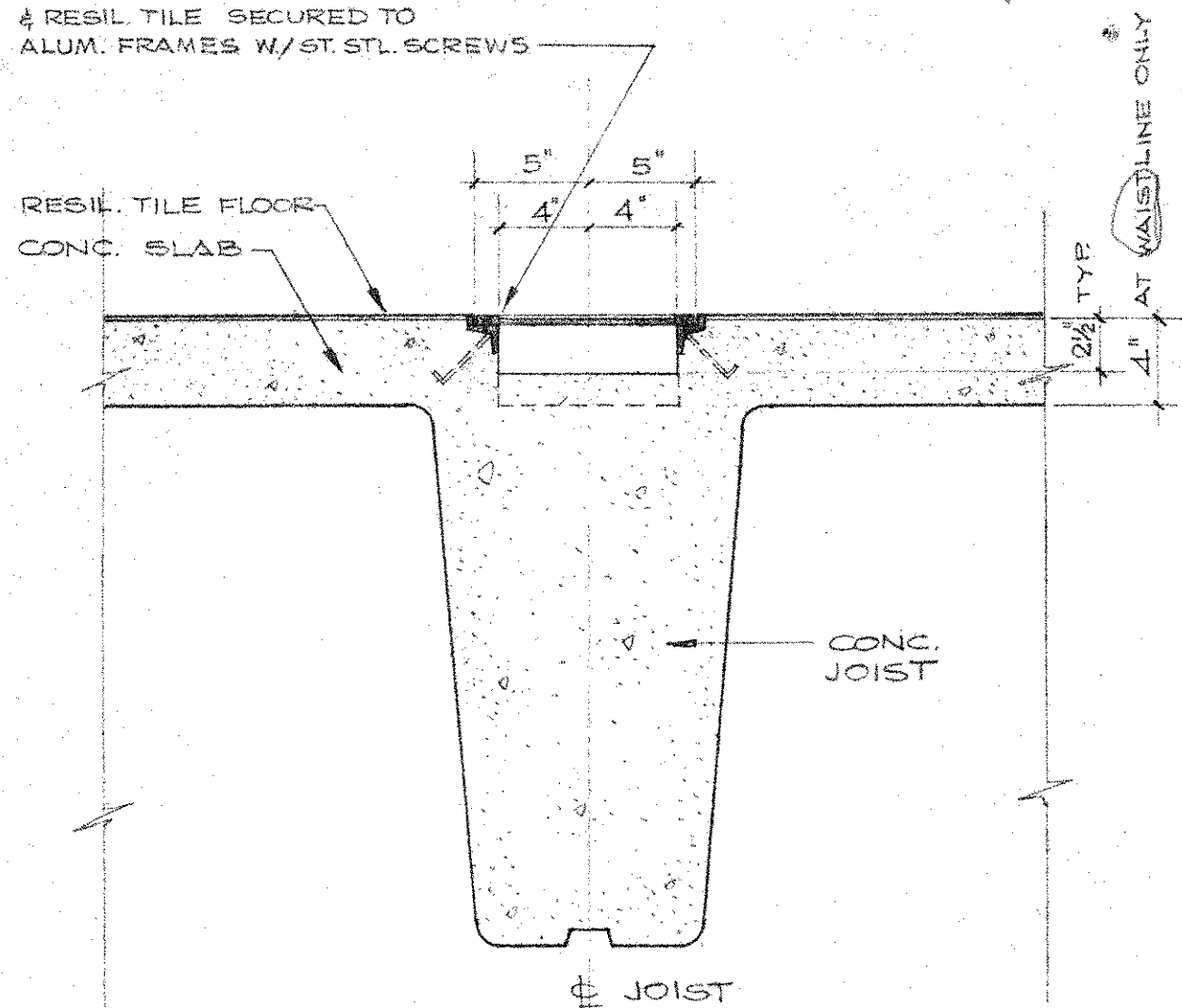
CYPRESS COLLEGE  
PHASE II

**WB**  
ARCHITECTS  
PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

FLOOR DETAILS  
SHEET  
**12.02**  
OF



3/8" THK. EXTRUDED ALUM.  
TRENCH COVER W/ RECESS  
& RESIL. TILE SECURED TO  
ALUM. FRAMES W/ ST. STL. SCREWS



SECTION OF UTILITY TRENCH

SCALE  
1 1/2" = 1'-0"

C

SECTION

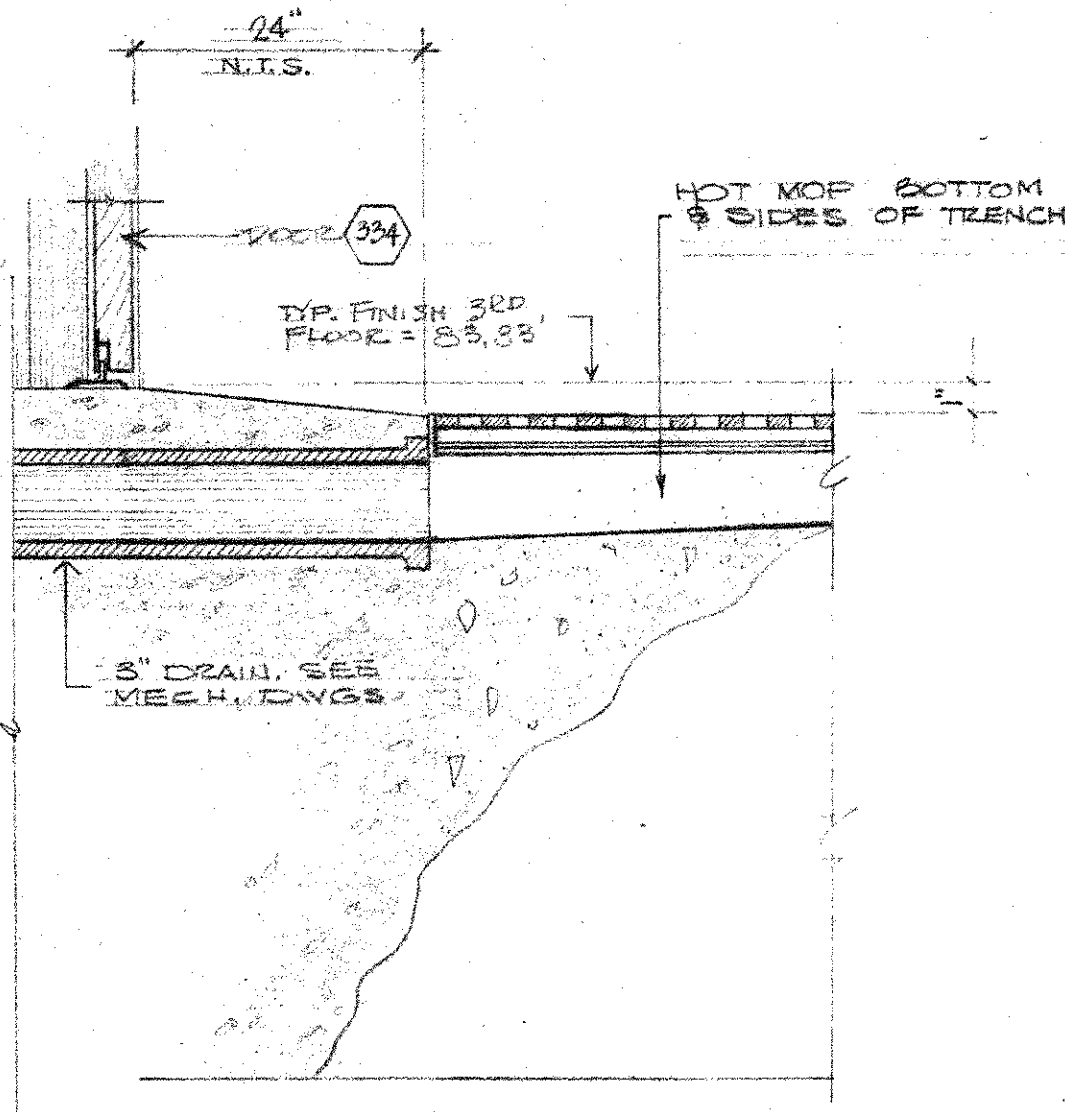
SCALE  
1 1/2" = 1'-0"

B

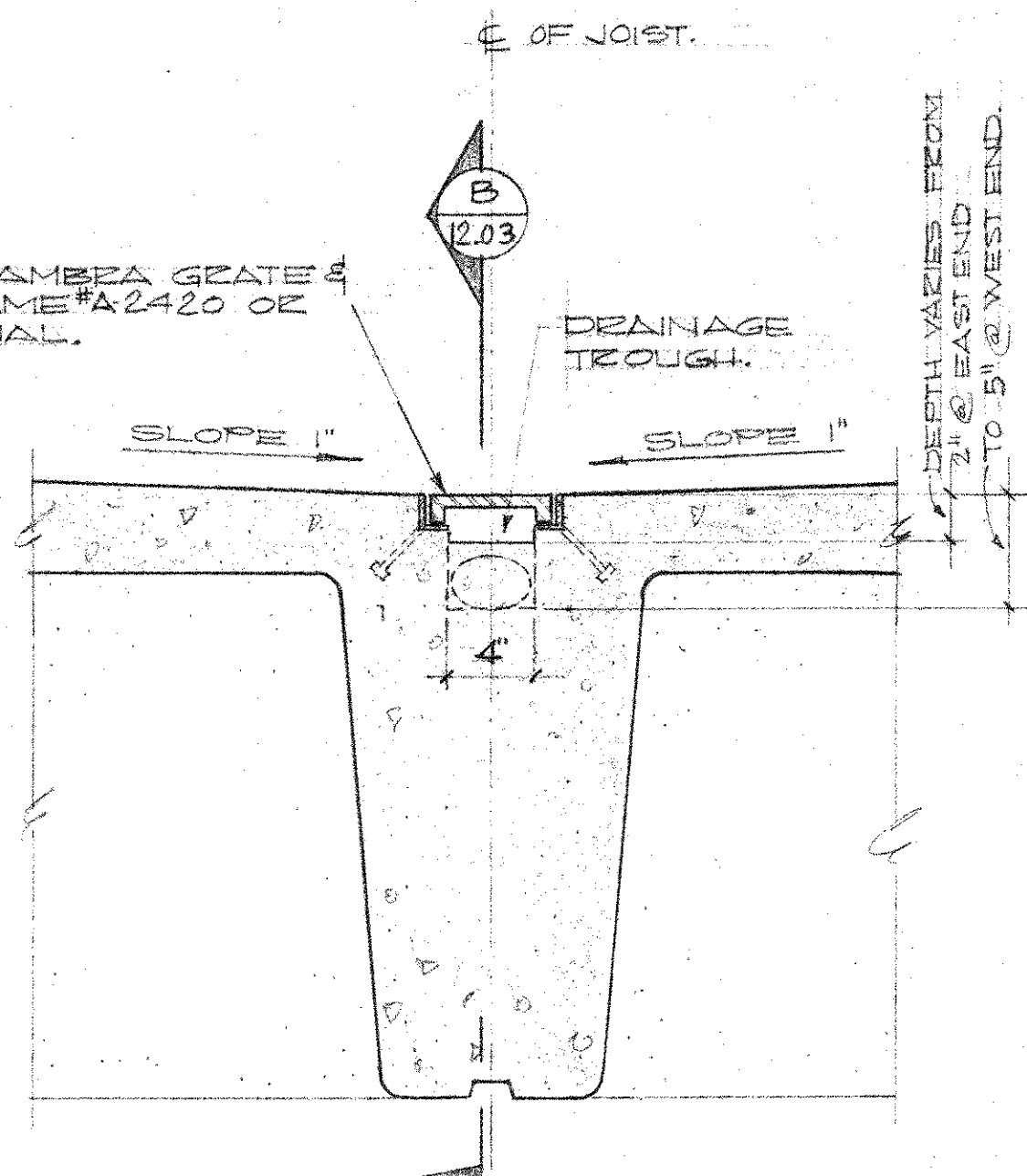
TRENCH DETAIL

SCALE  
1 1/2" = 1'-0"

A

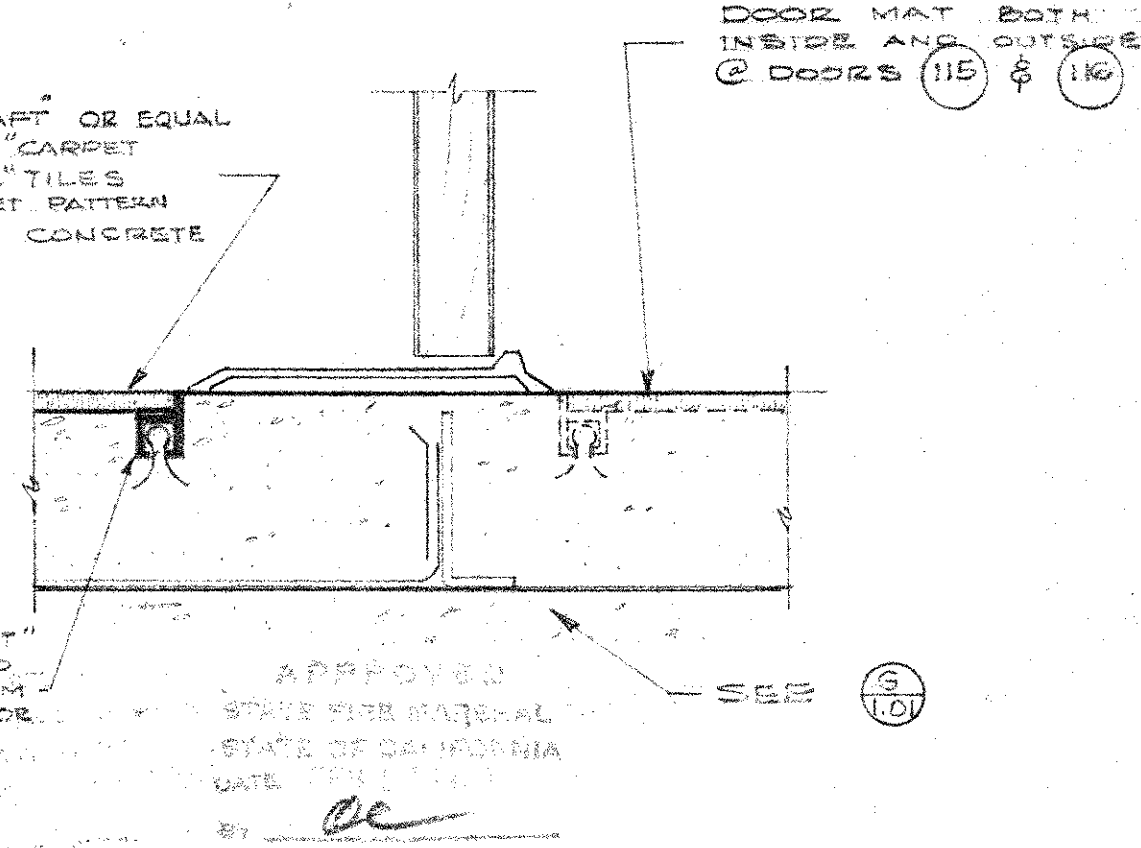


ALHAMBRA GRATE &  
FRAME #A2420 OR  
EQUAL.



"ART-CRAFT" OR EQUAL  
"FUTURUS" CARPET  
IN 12" x 12" TILES  
IN PARQUET PATTERN  
GLUE TO CONCRETE

"ART-CRAFT"  
EXTRUDED  
ALUMINUM  
FRAME OR  
EQUAL



DOOR MAT

SCALE  
3" = 1'-0"

D

SCALE  
DATE  
DRAWN R.W.  
JOB C-1007

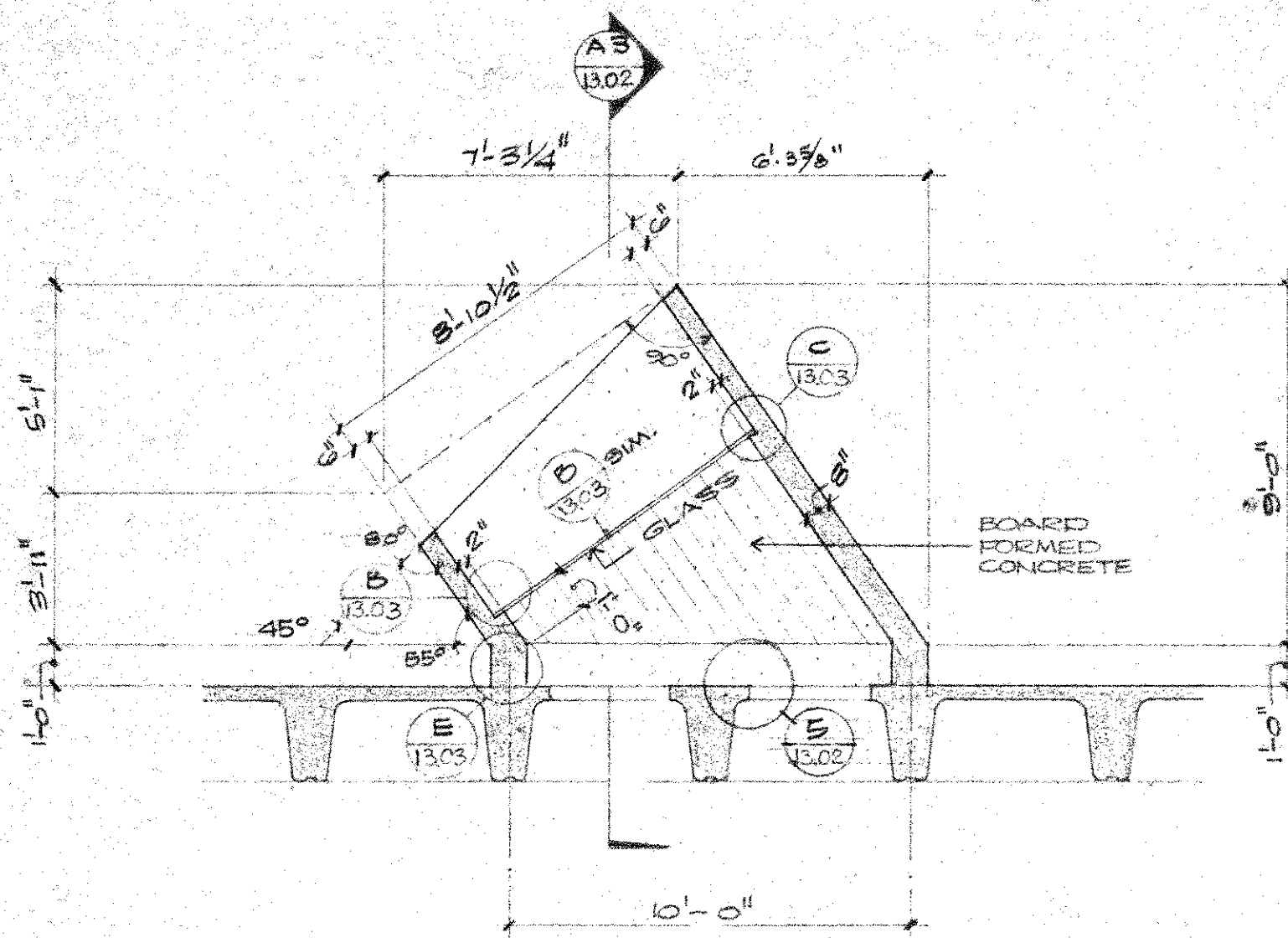
CYPRESS COLLEGE  
PHASE II



william blurock & partners  
architects planners  
1550 bayside drive, po box 577, 714 673-0300  
corona del mar, california 92625

FLOOR DETAILS

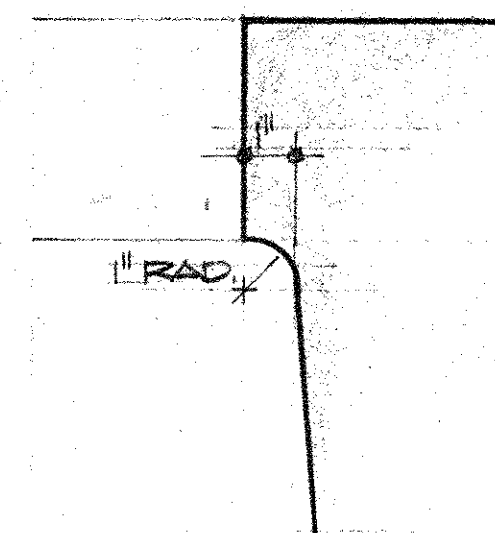
SHEET  
12.03  
OF SHEETS



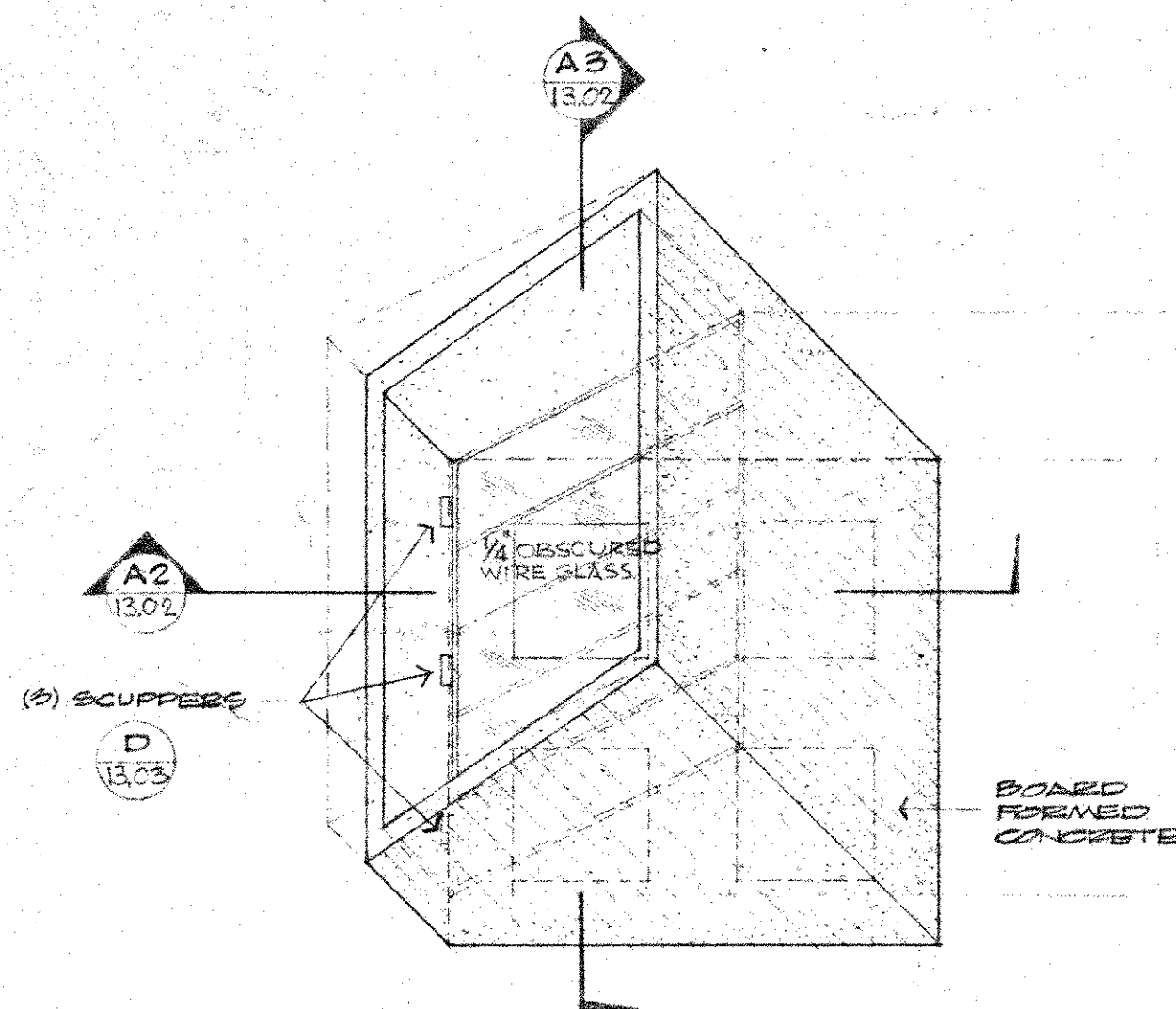
SECTION  
SCALE 1/4" = 1'-0"

2

NOTE:  
SKYLIGHT IS EXACT COPY  
OF EXIST. SKYLIGHT ON  
ROOF OF EXISTING  
VOCATIONAL BUILDING

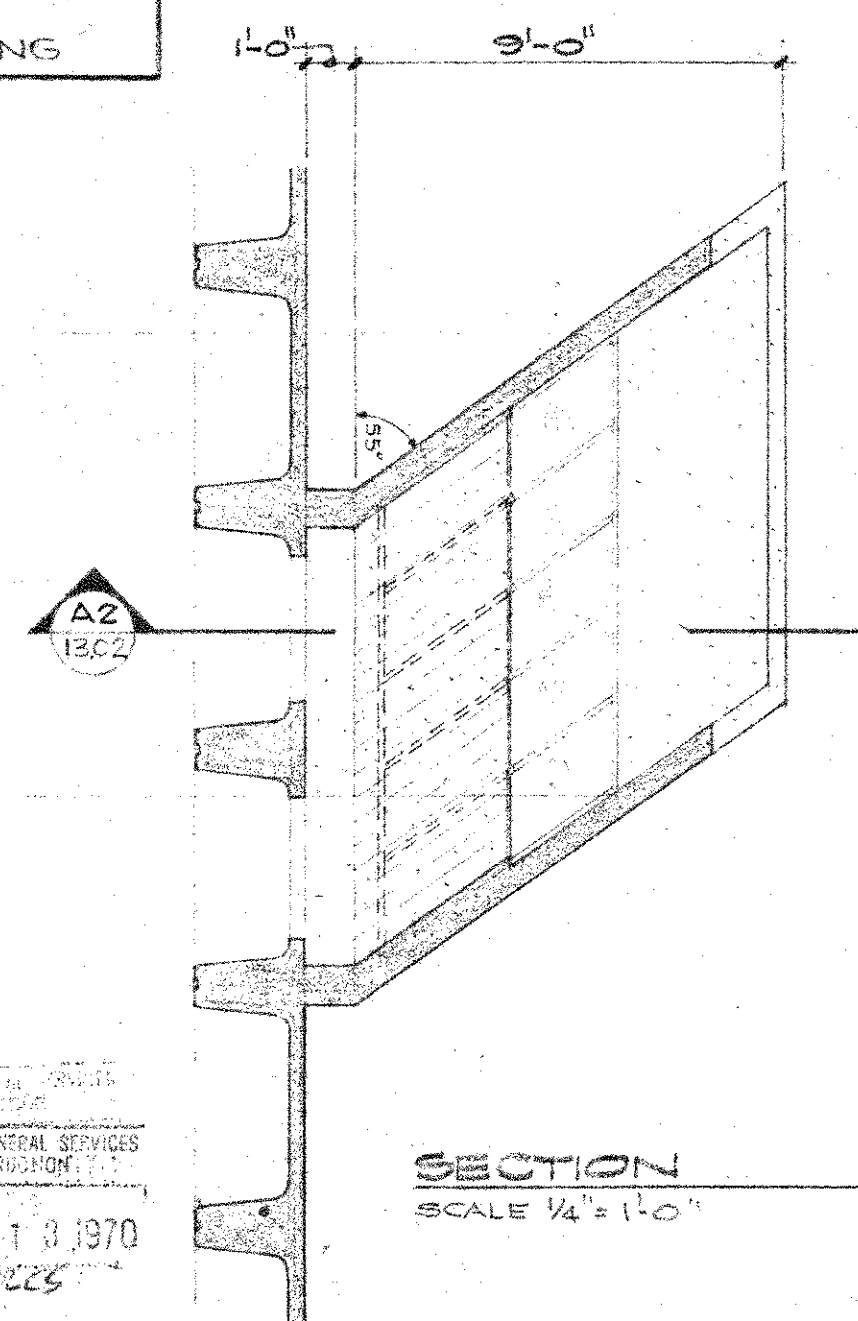


SECTION AT OPENING 5  
SCALE 3" = 1'-0"



PLAN VIEW (NOT ISOMETRIC)  
SCALE 1/4" = 1'-0"

1



SECTION  
SCALE 1/4" = 1'-0"

13.02 & 13.03: Replaced with AR-5.

3

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE FEB 13 1970  
BY *PC*

STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

32716 APPROVED FEB 13 1970  
BY *BSH/rdccs*

DETAILS OF SCIENCE BLDG. SKYLIGHTS

SCALE AS NOTED  
DATE  
DRAWN *HWK*  
JOB C-1007



WILLIAM E. BLUROCK & ASSOCIATES  
CAUDILL ROWLETT SCOTT  
associated architects  
1550 BAYSIDE DR. CORONA DEL MAR 92625 714 673 0300

CYPRESS JUNIOR COLLEGE  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

ROOF DETAILS

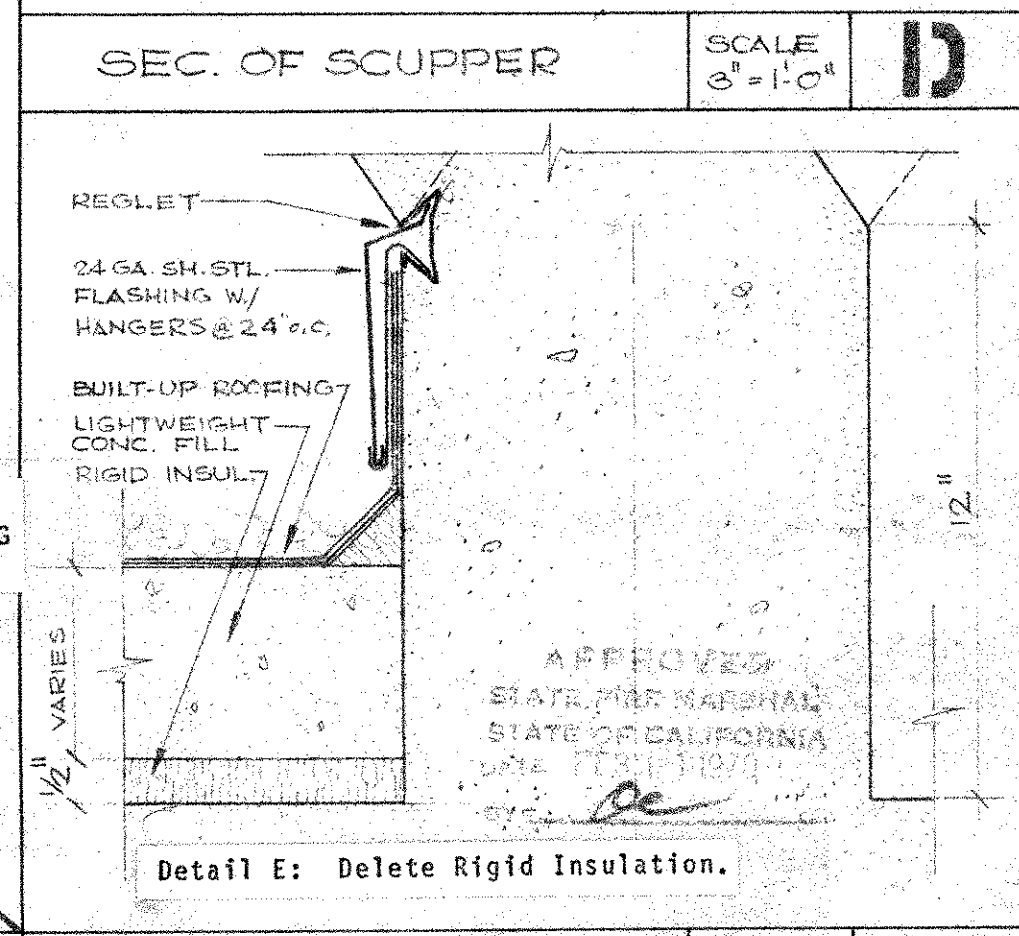
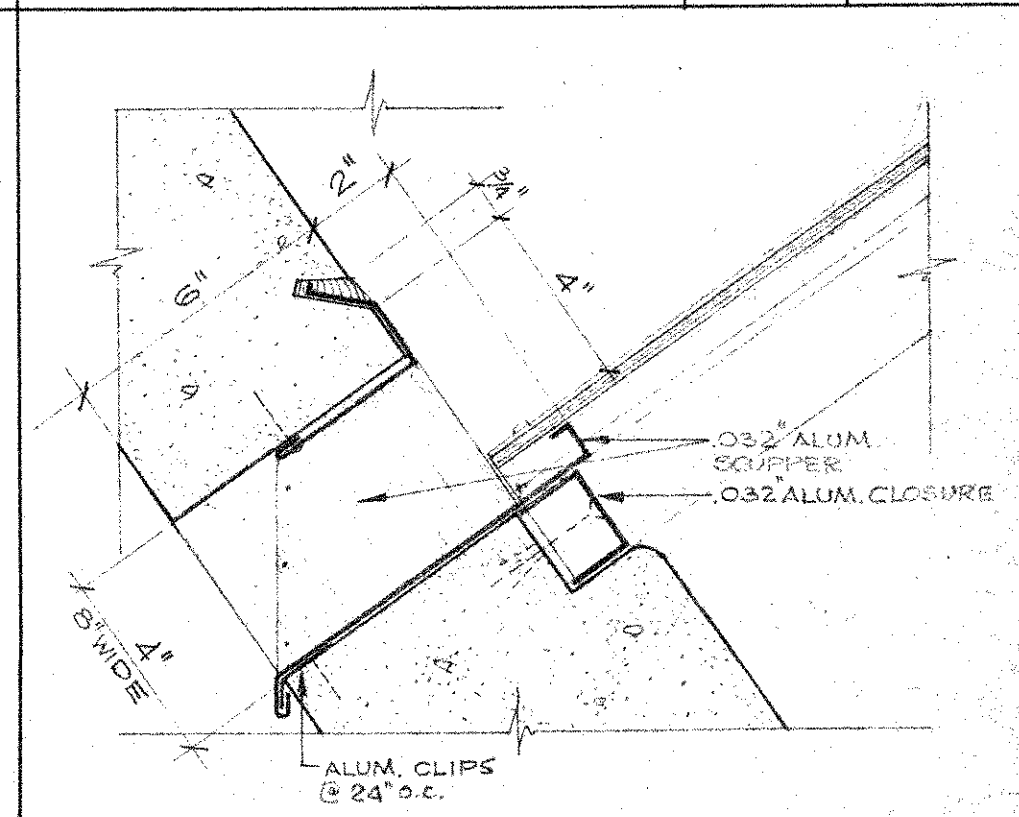
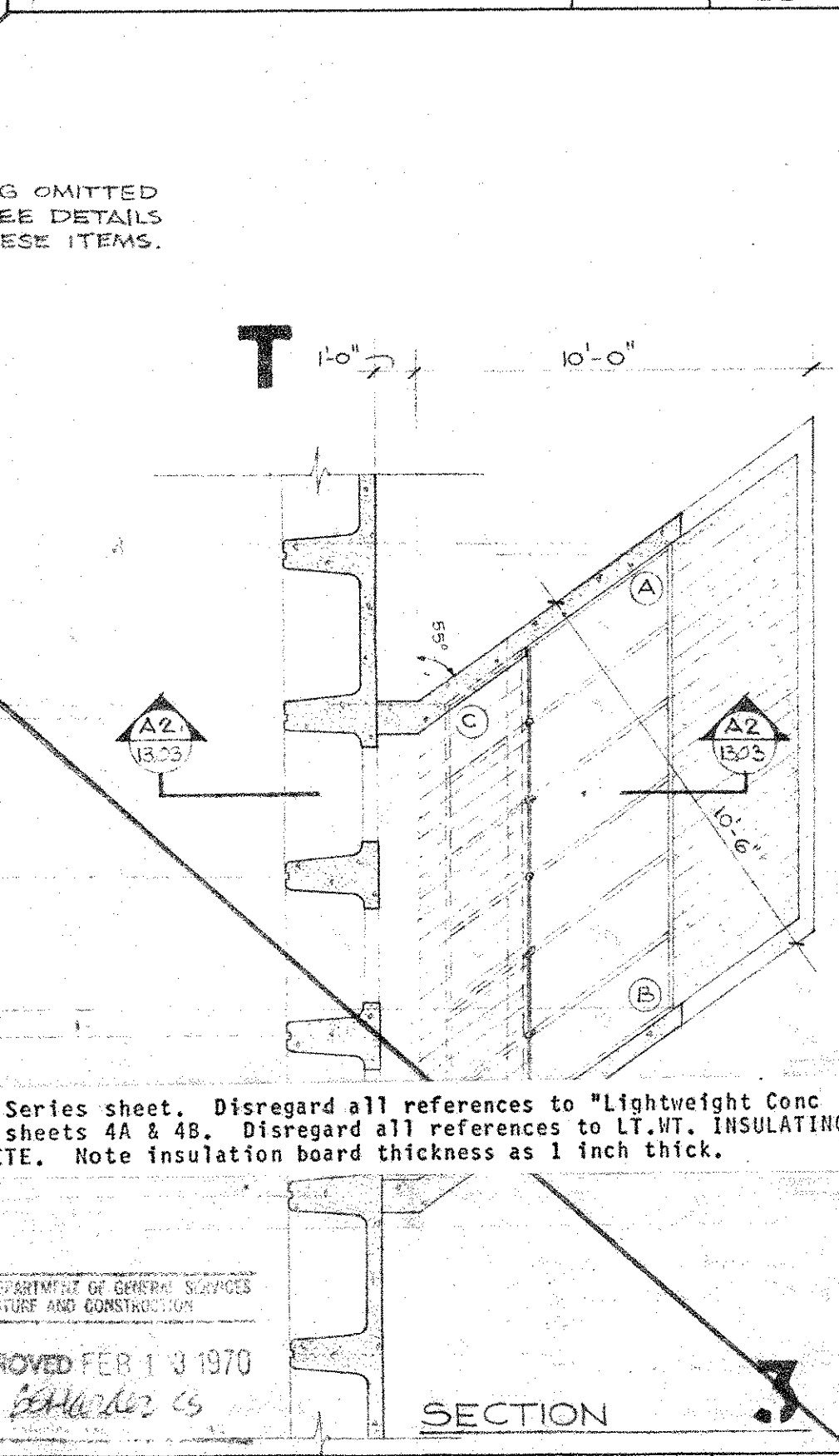
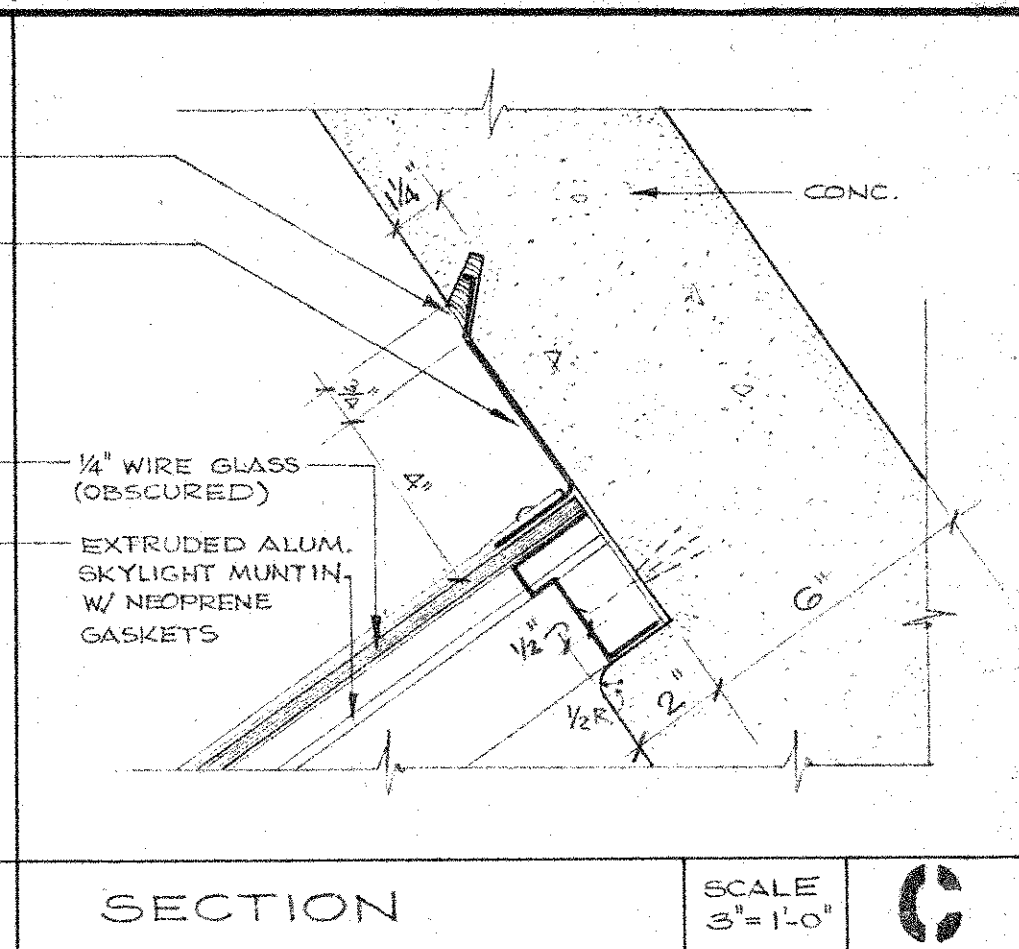
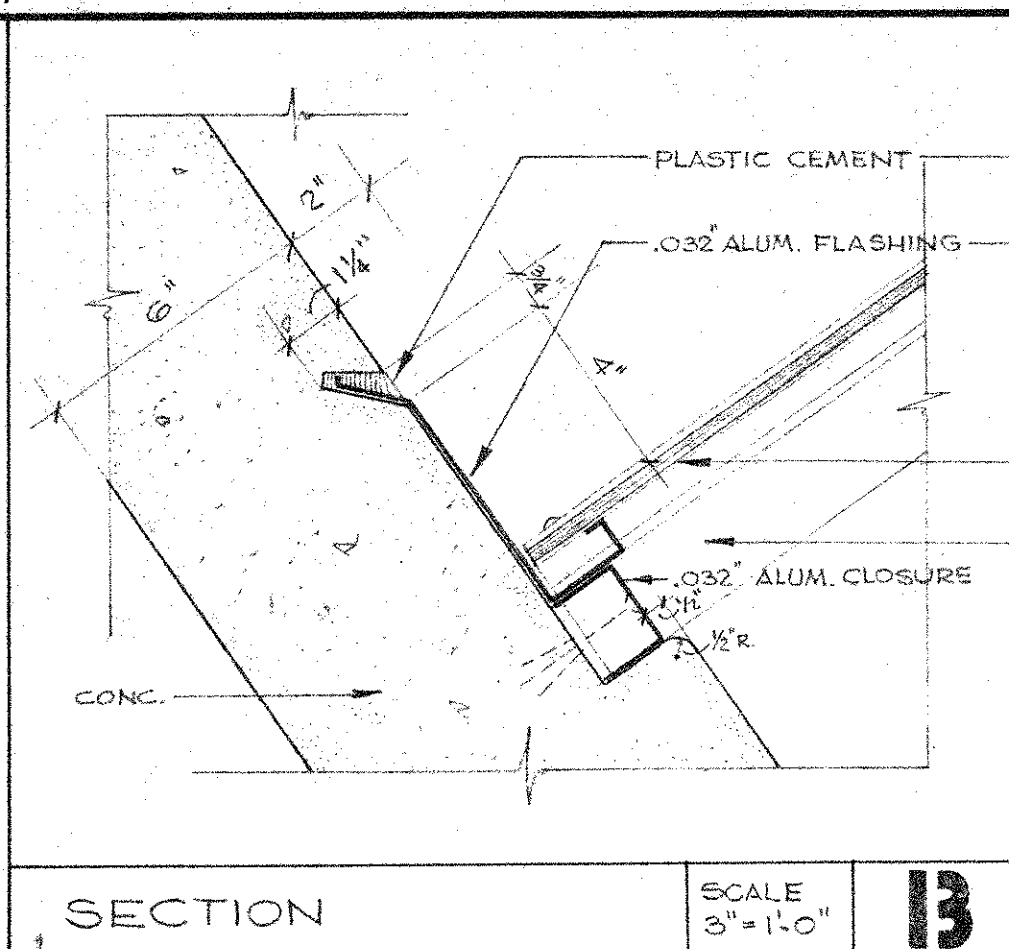
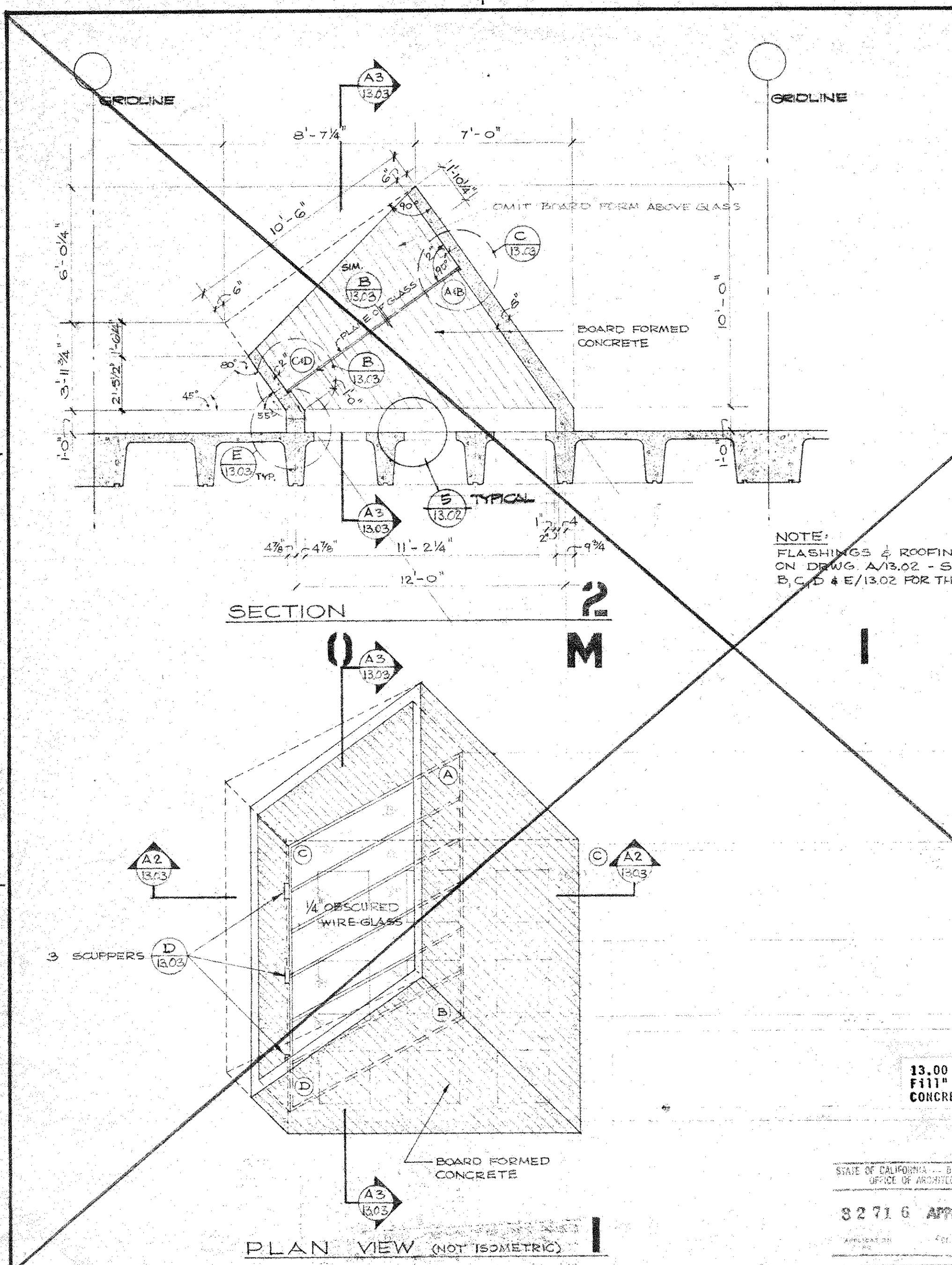
SCALE 1/4" = 1'-0"

A

SHEET

13.02  
OF





13.00 Series sheet. Disregard all references to "Lightweight Conc Fill" sheets 4A & 4B. Disregard all references to LT.WT. INSULATING CONCRETE. Note insulation board thickness as 1 inch thick.

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

32716 APPROVED FEB 13 1970

APPROVED BY: [Signature] FOR: [Signature]

# DETAILS OF LIBRARY SKYLIGHTS

SCALE AS NOTED  
DATE  
DRAWN PWK  
JOB C-866

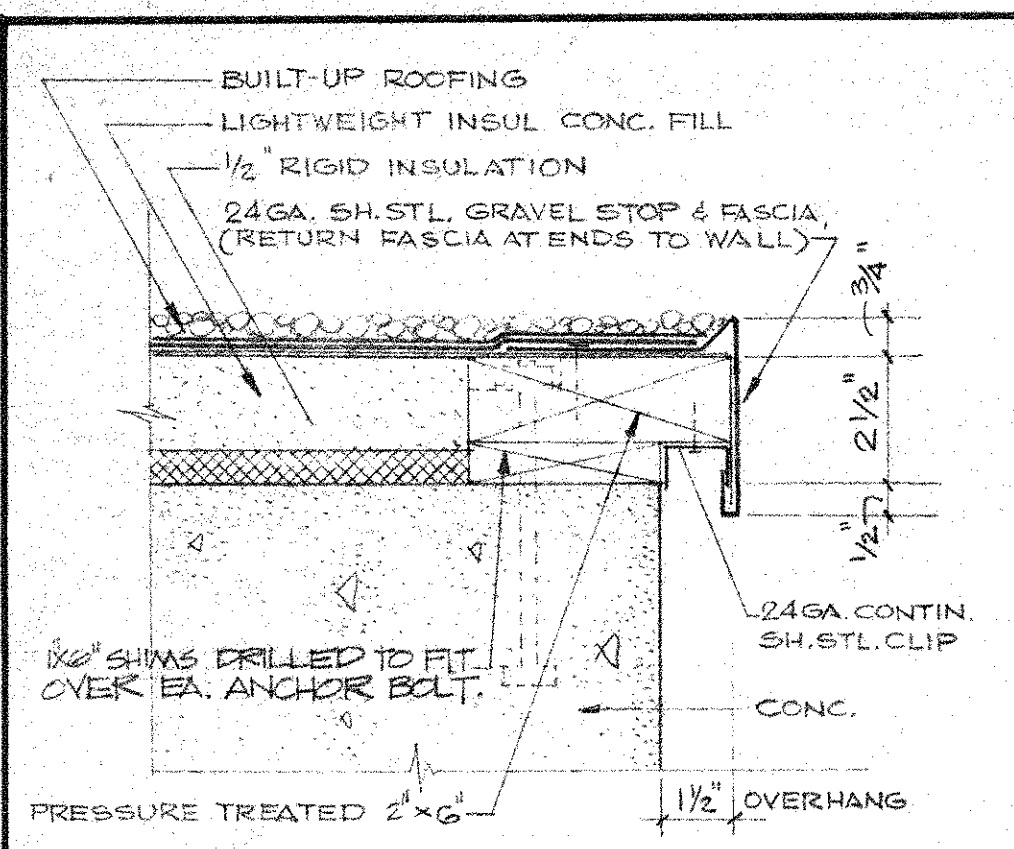


**WILLIAM E. BLUROCK & ASSOCIATES**  
**CAUDILL ROWLETT SCOTT**  
associated architects  
1550 BAYSIDE DR. CORONA DEL MAR 714 673 0300

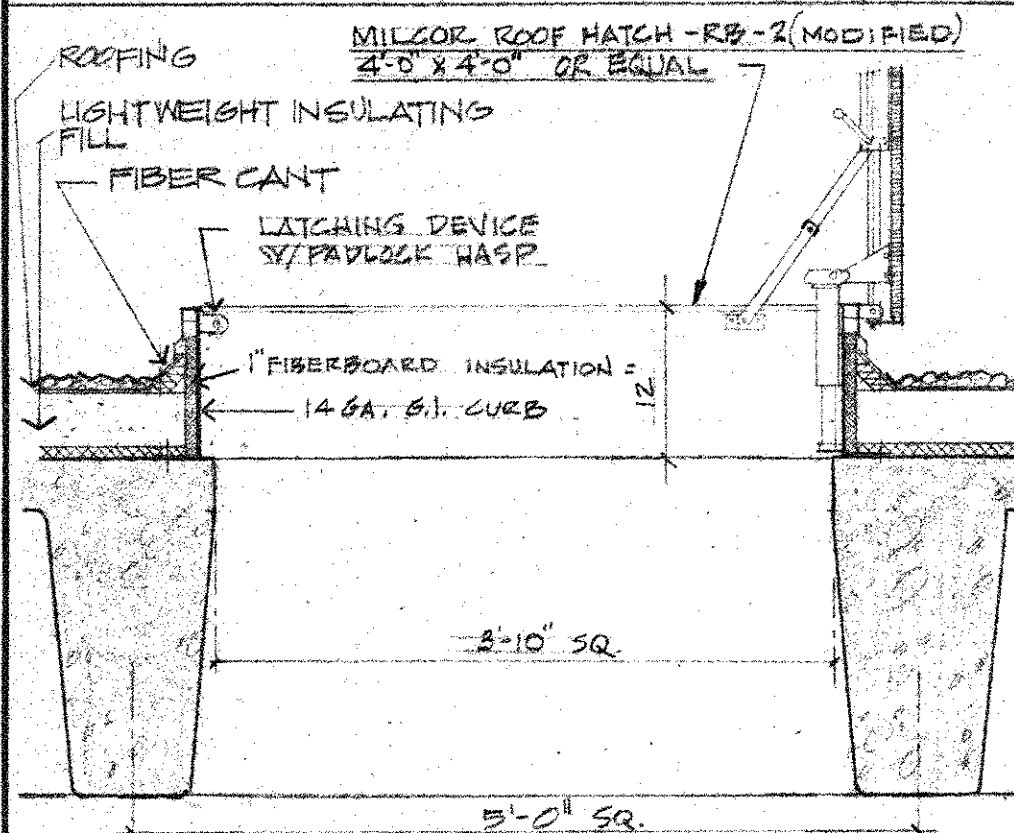
**CYPRESS JUNIOR COLLEGE**  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

13.02 & 13.03: Replaced with AR-5.  
ROOF DETAILS

SHEET  
**13.03**  
OF



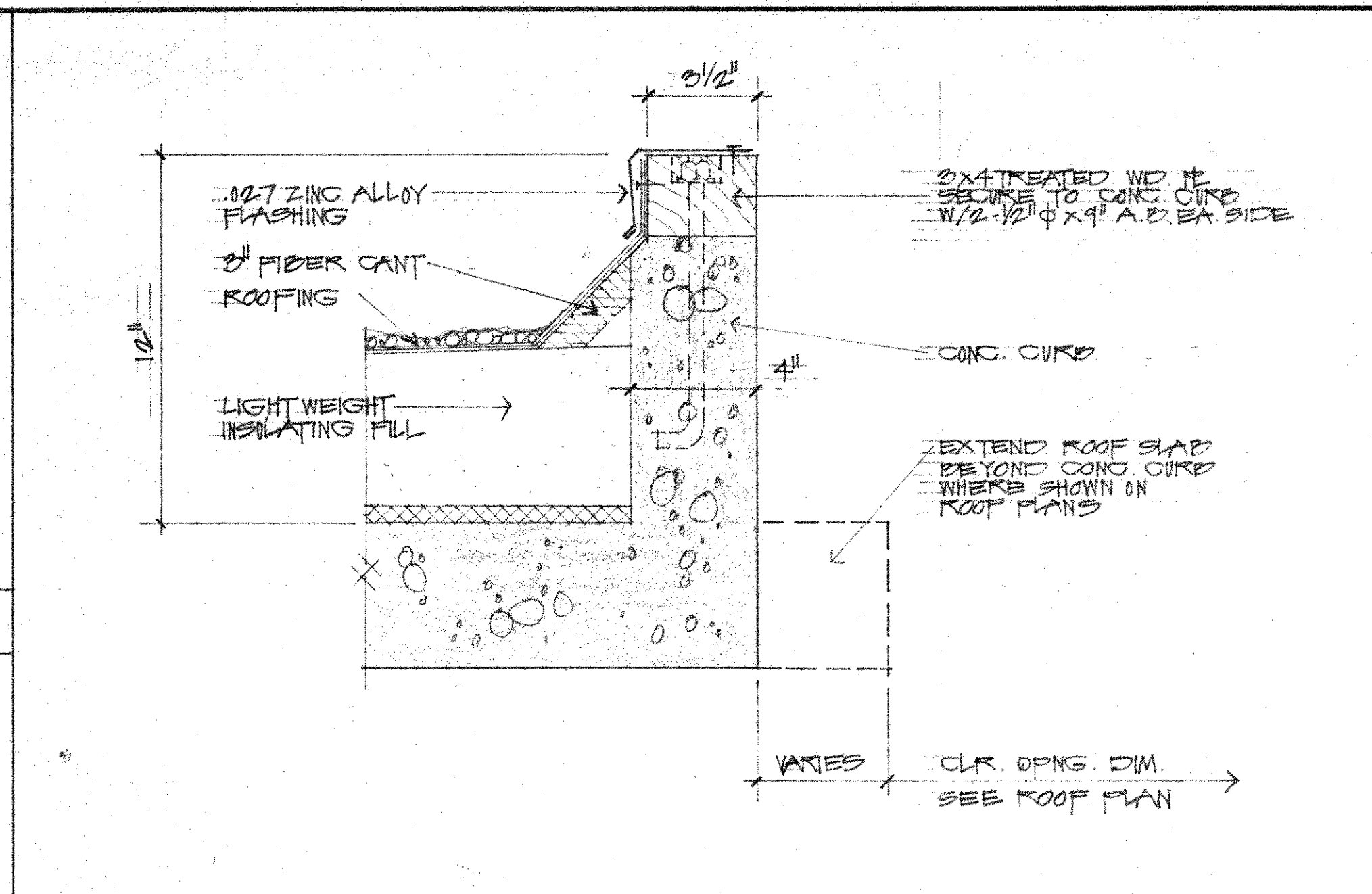
SECTION OF EAVE **E**



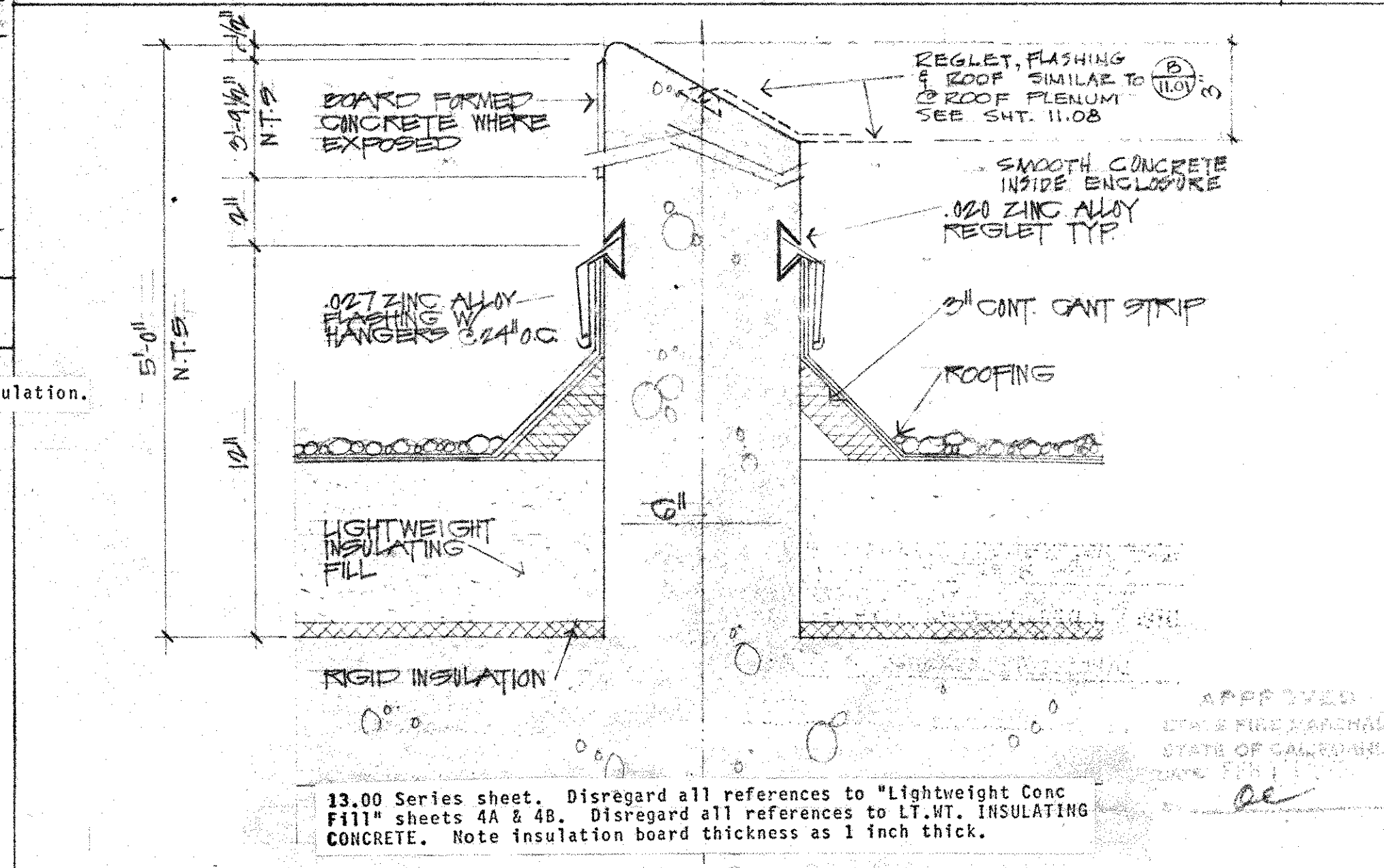
ROOF ACCESS HATCH **F**

All Details: Delete references and indications of rigid insulation.

STATE OF CALIFORNIA DEPARTMENT OF REVENUE  
OFFICE OF REVENUE AND CONSTRUCTION  
82716 APPROVED FEB 13 1979  
B. H. HENDERSON



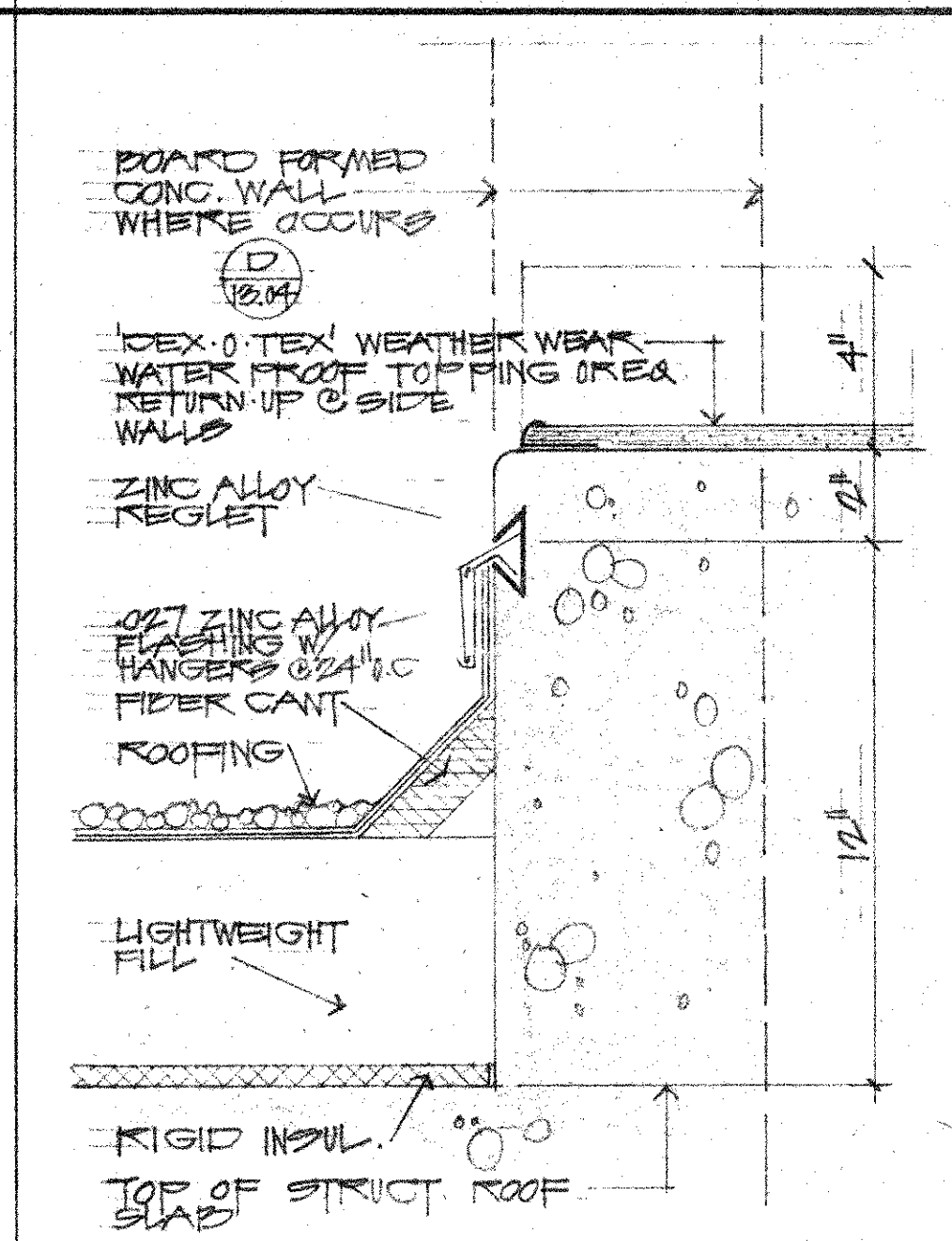
EXHAUST FAN CURB DETAIL **C**



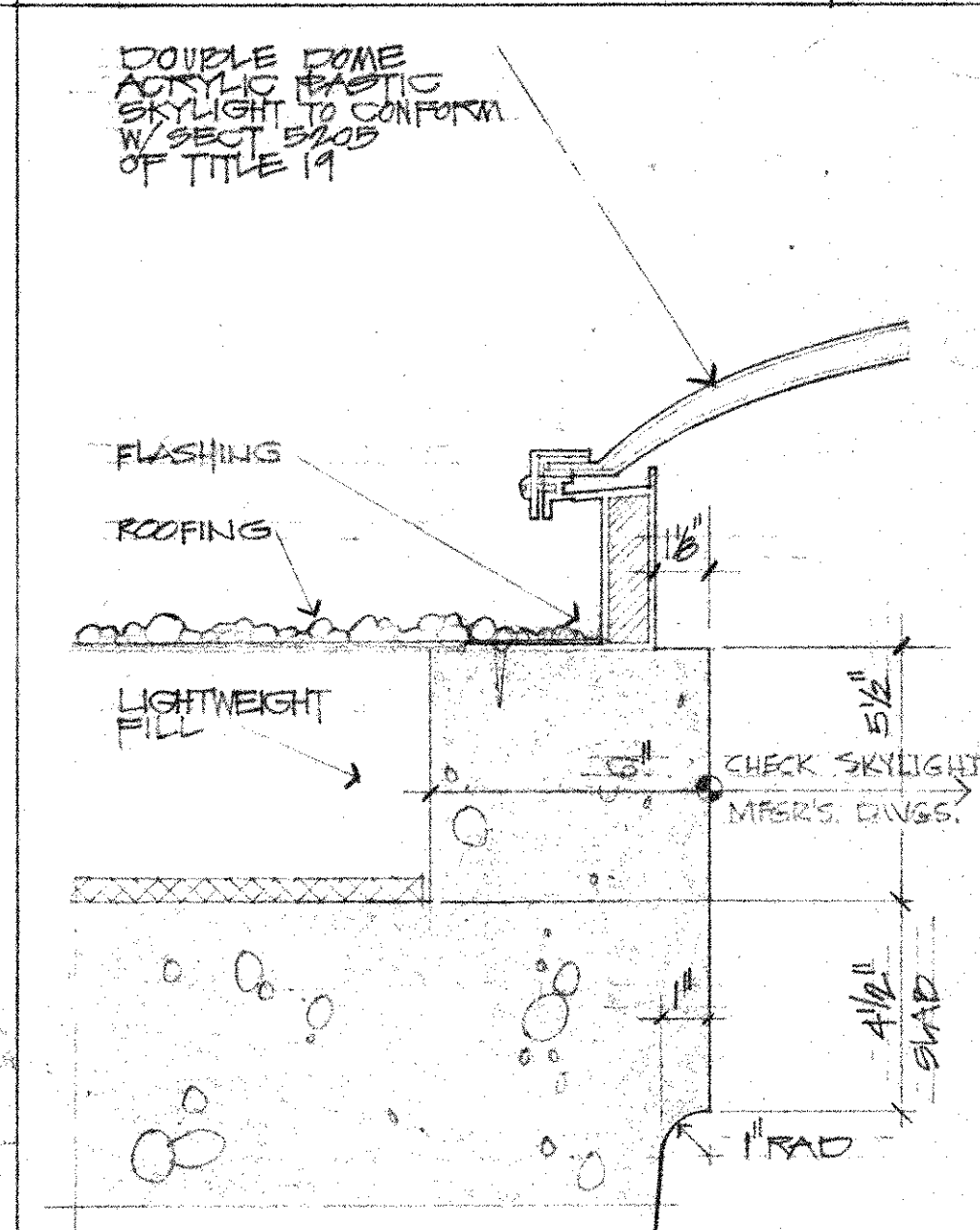
MECH. EQUIP. ROOF ENCLOSURE **D**

13.00 Series sheet. Disregard all references to "Lightweight Conc Fill" sheets 4A & 4B. Disregard all references to LT.WT. INSULATING CONCRETE. Note insulation board thickness as 1 inch thick.

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE 2/13/79  
cc



CURB & FLASHING **A**



SKYLIGHT & CURB **B**

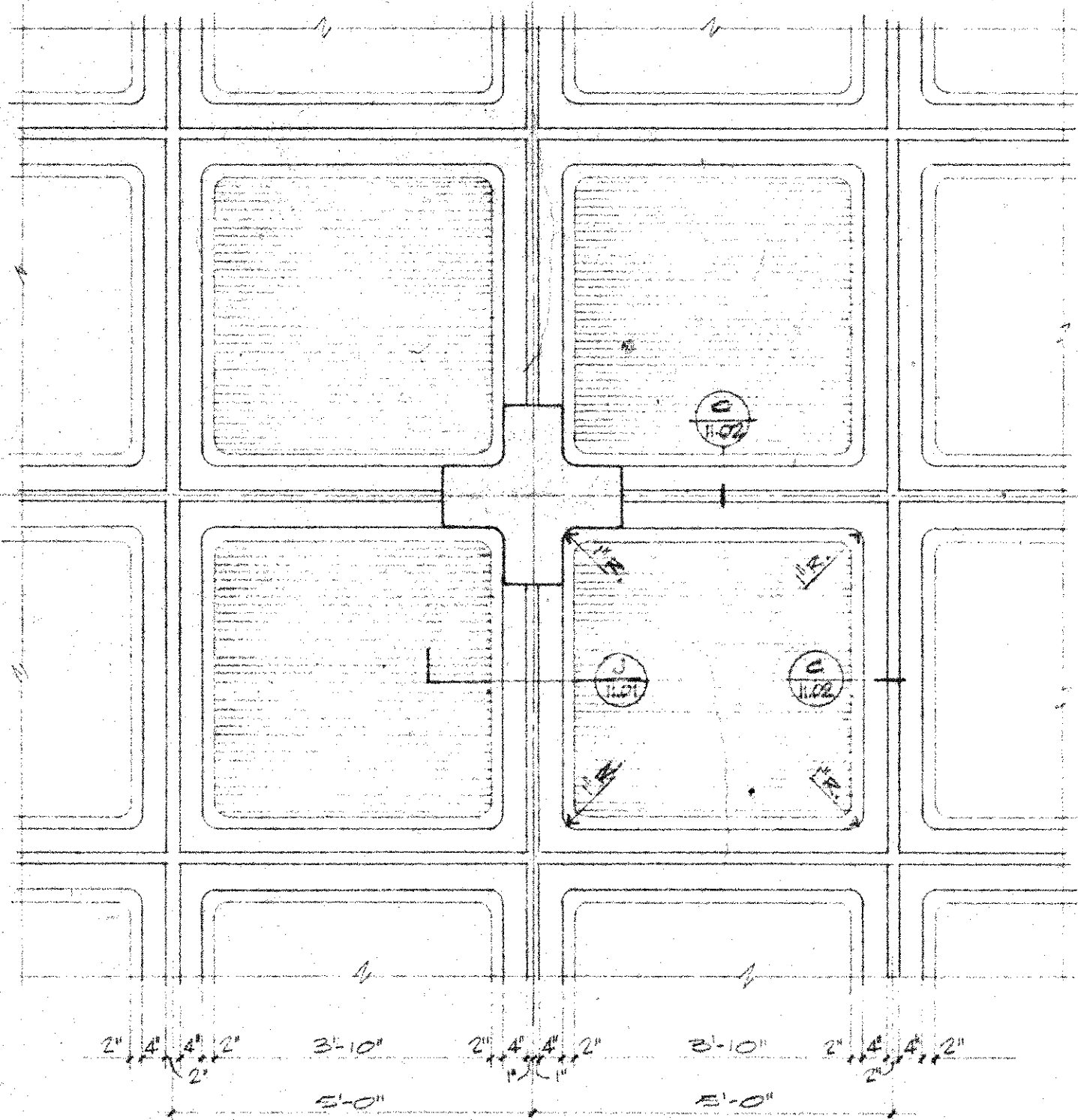
SCALE 3/8" = 1'-0"  
DATE  
DRAWN VON SUND HK  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

WB ARCHITECTS PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

ROOF DETAILS  
SHEET 13.04  
OF

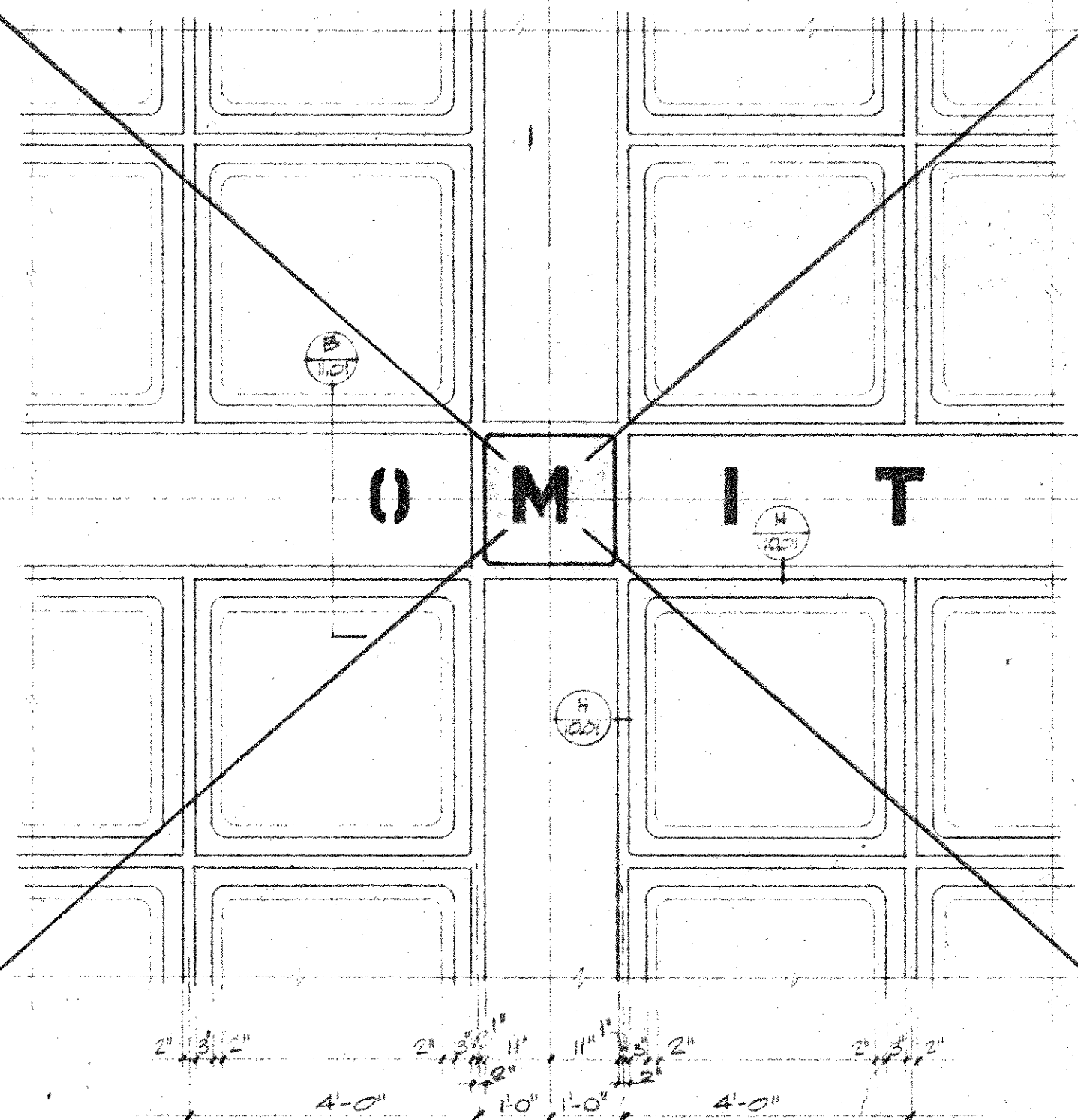




TYPICAL REFLECTED CEILING PLAN

SCALE  
1/2" = 1'-0"

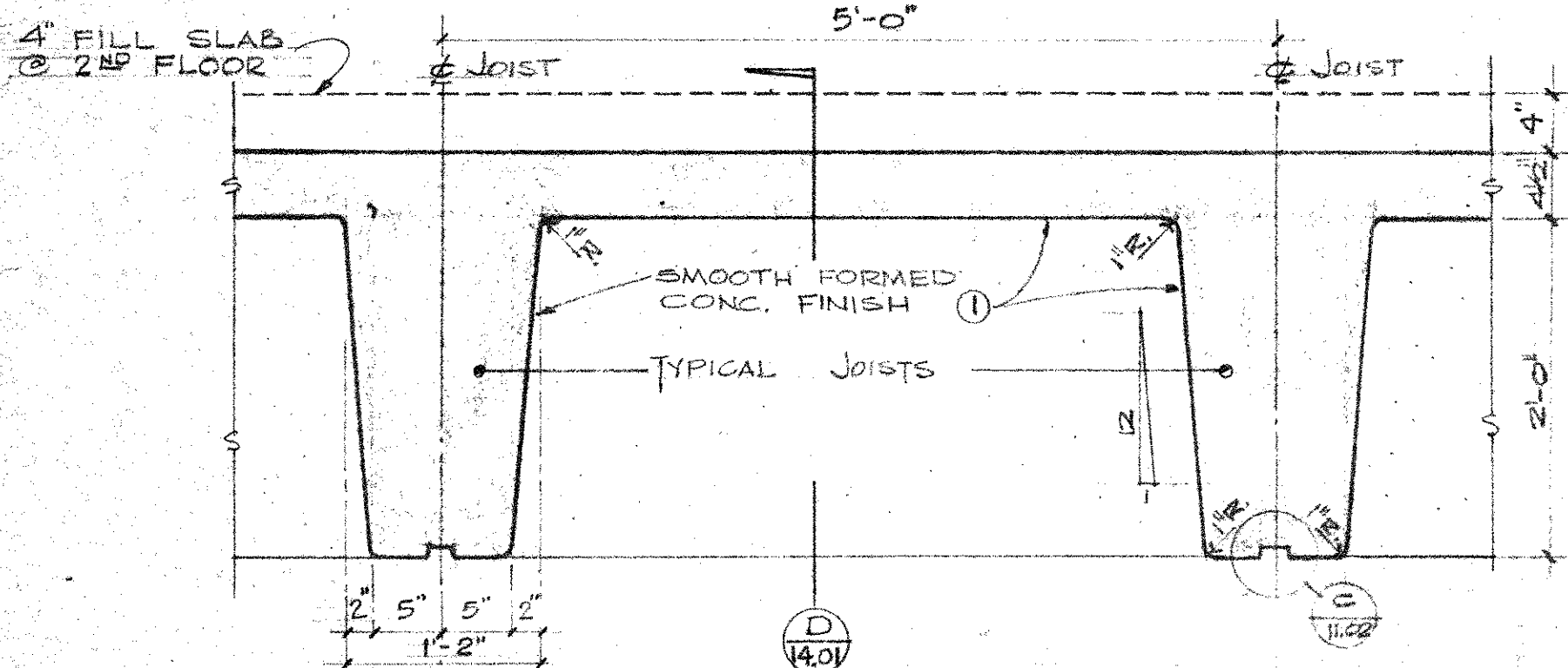
C



REFLECTED CEILING PLAN @ LIBRARY

SCALE  
1/2" = 1'-0"

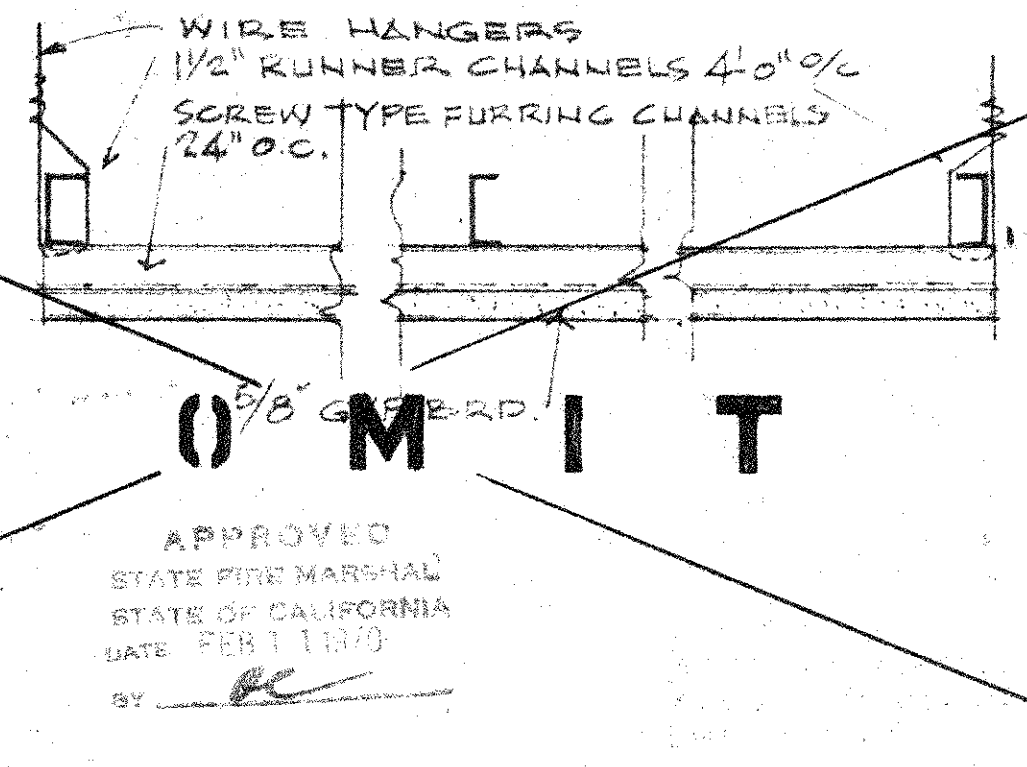
A



TYPICAL FLOOR JOIST

SCALE  
1" = 1'-0"

D



SOUND CONTROL PANELS

SCALE  
3/4" = 1'-0"

B

SCALE AS NOTED  
DATE AUG 17 1970  
DRAWN NORD  
JOB 546



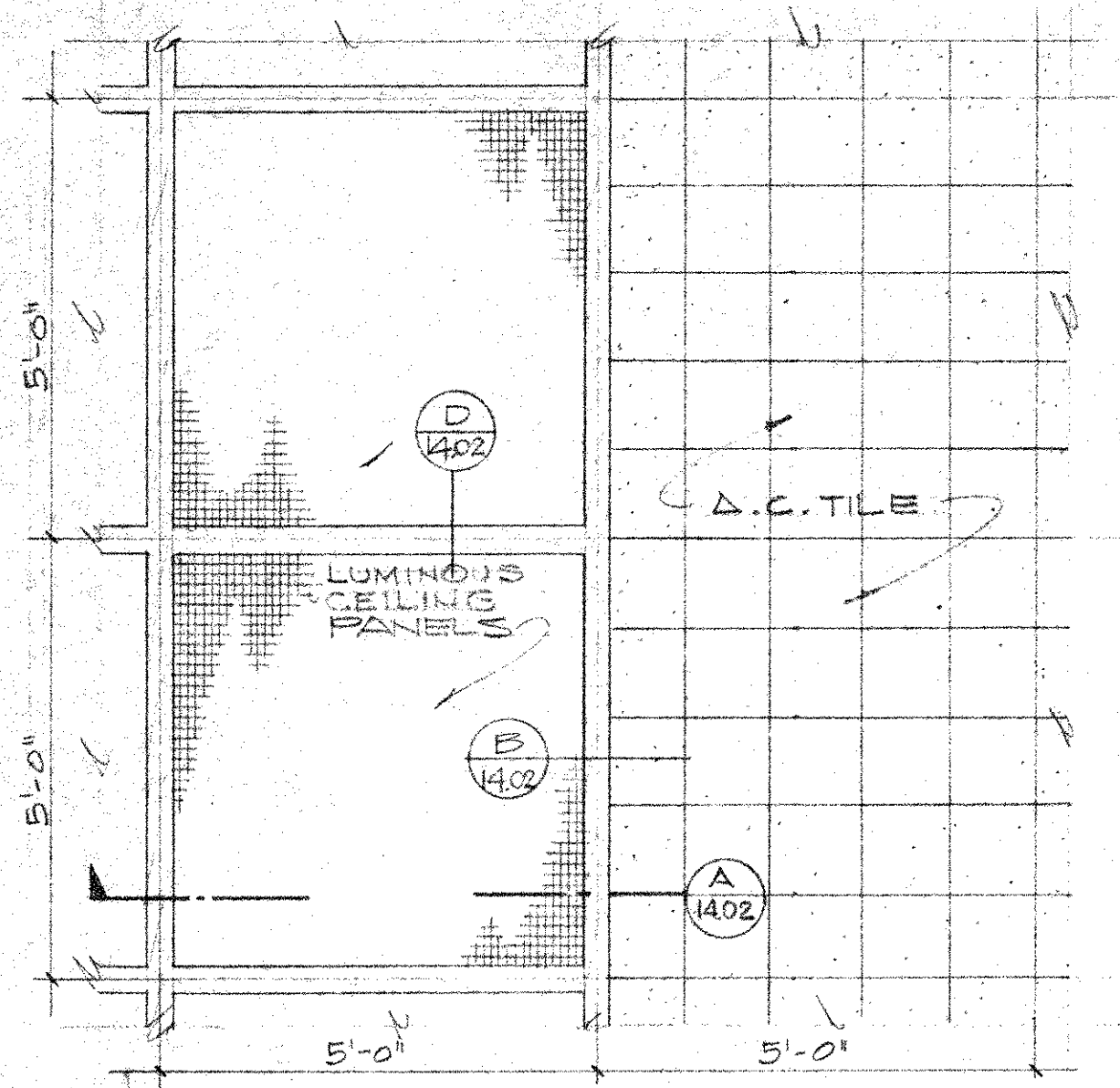
WILLIAM E. BLUROCK & ASSOCIATES  
CAUDILL ROWLETT SCOTT  
architects  
1550 BAYSIDE DR. CORONA DEL MAR 92625  
714-973-0300

CYPRESS JUNIOR COLLEGE  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

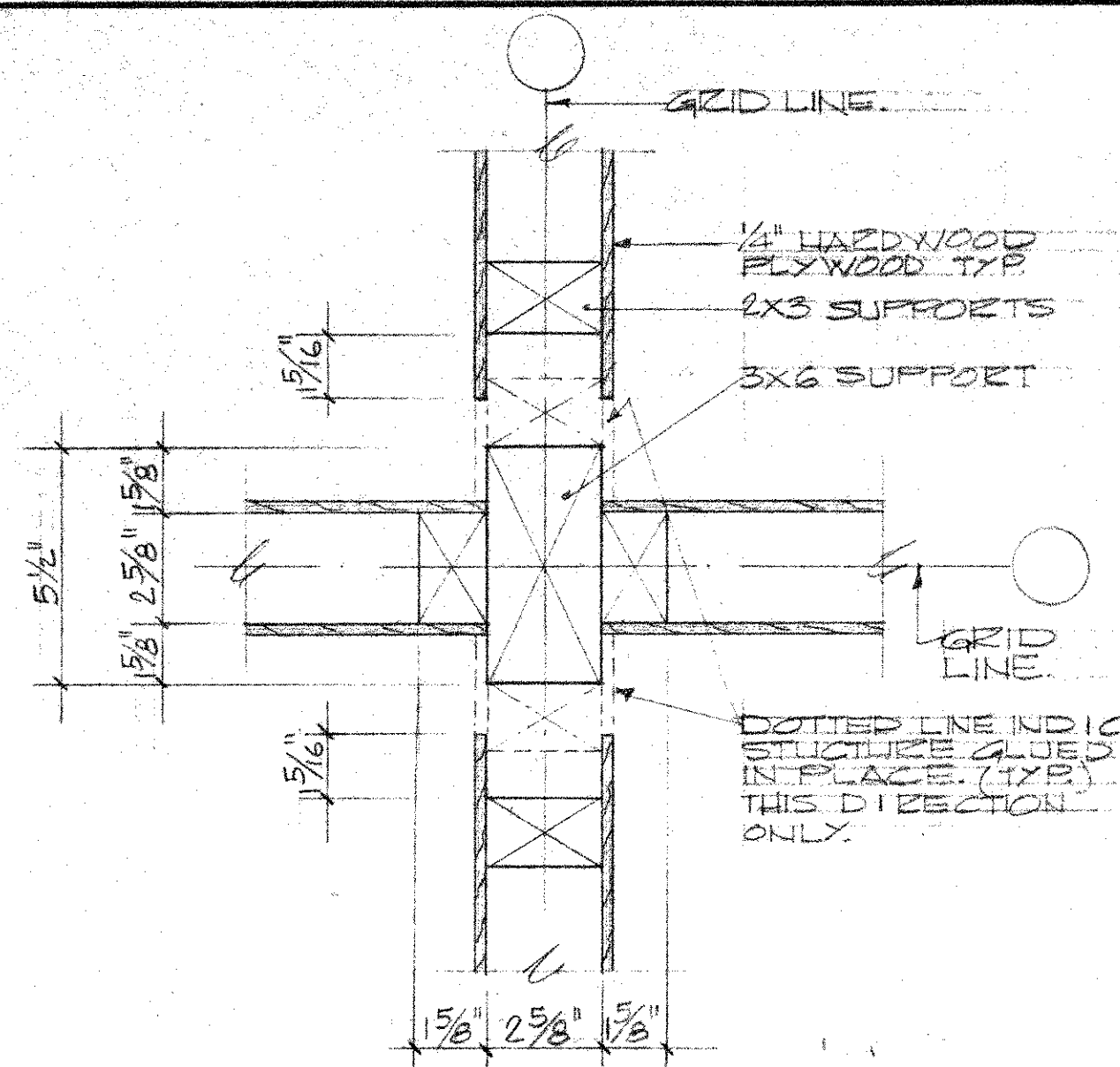
CEILING DETAILS

SHEET  
14.01  
OF

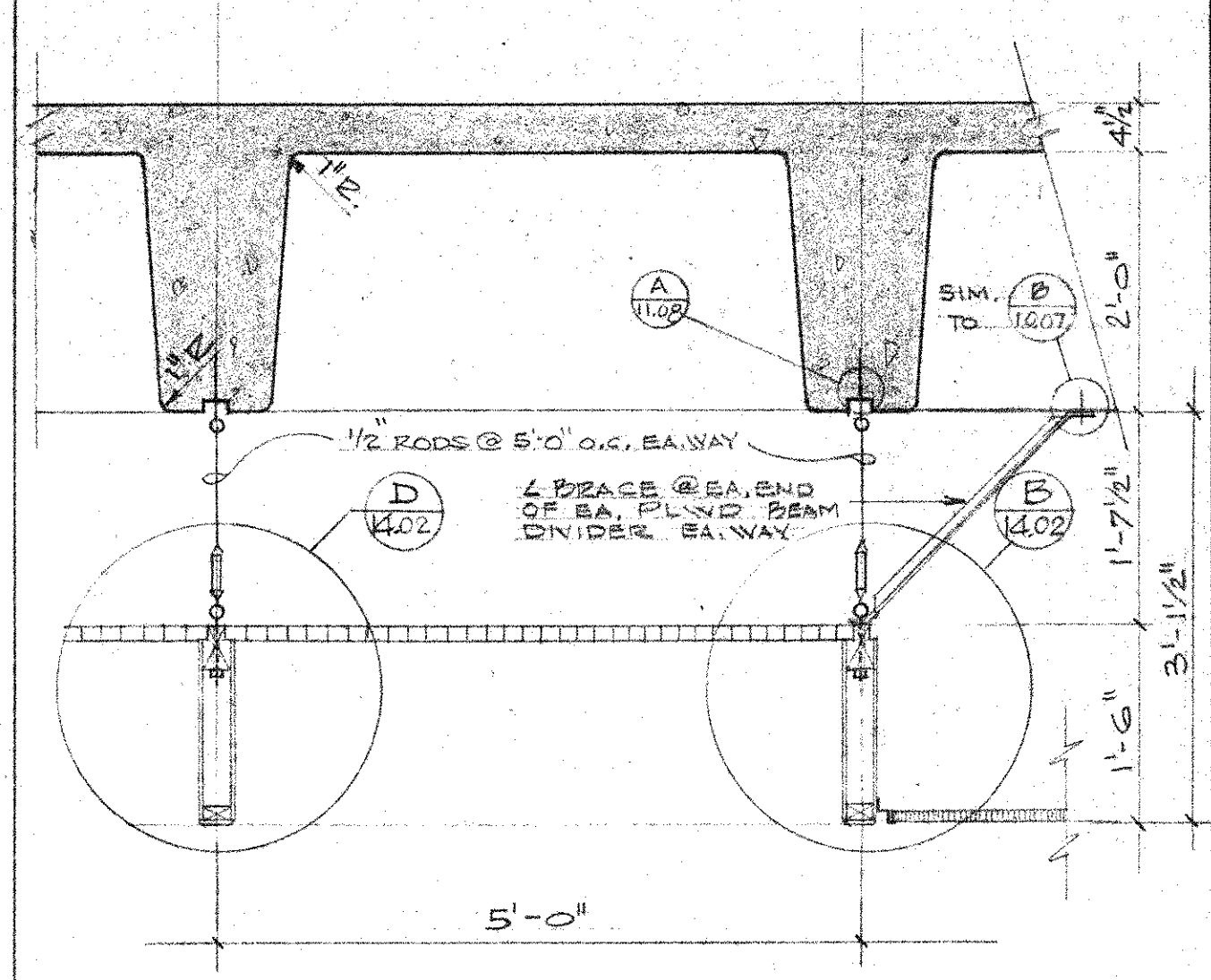
Note for plumbing  
also paint p/p's



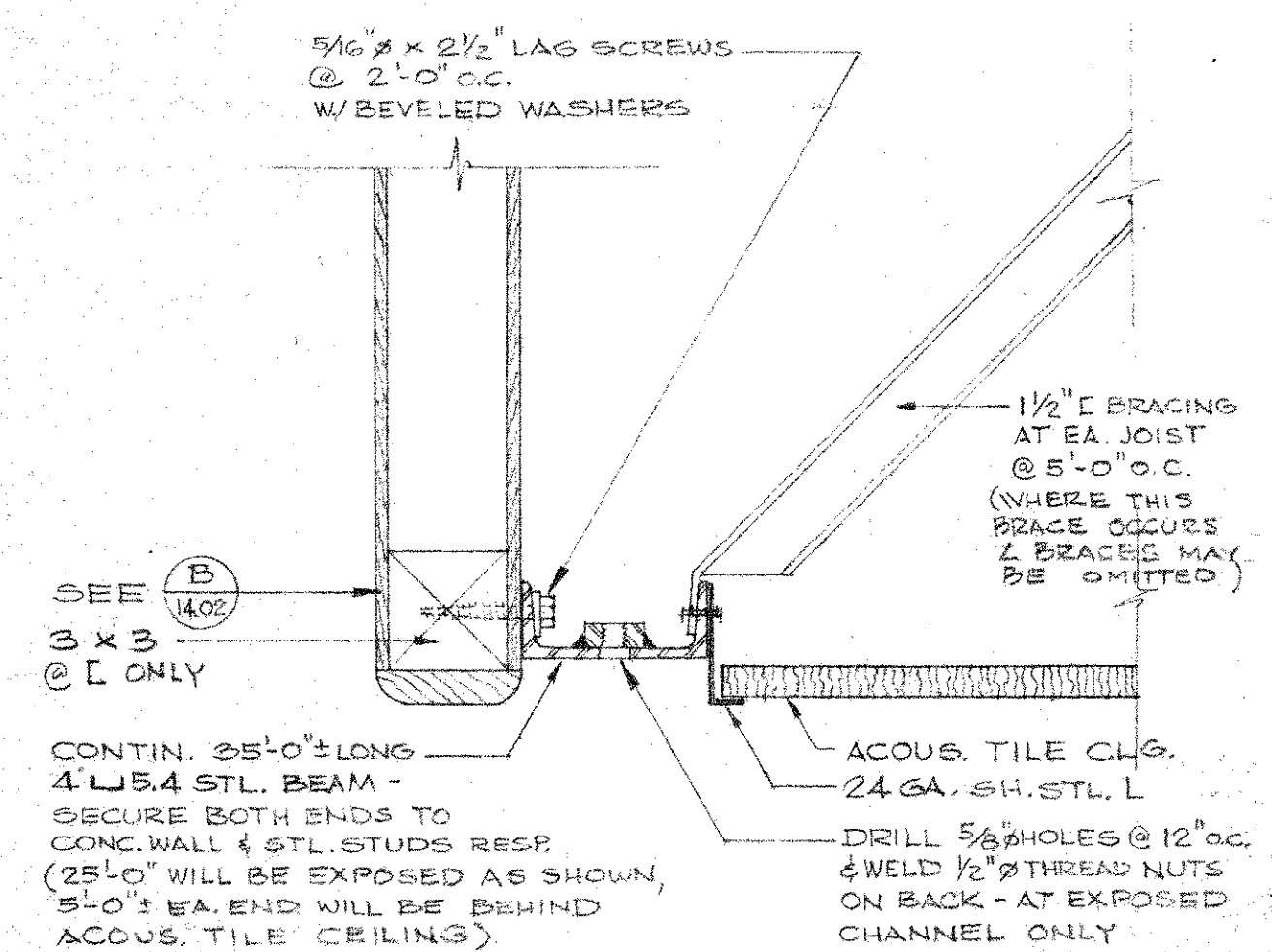
PARTIAL REFLECTED CEILING PLAN  
SCALE: 1/2" = 1'-0"



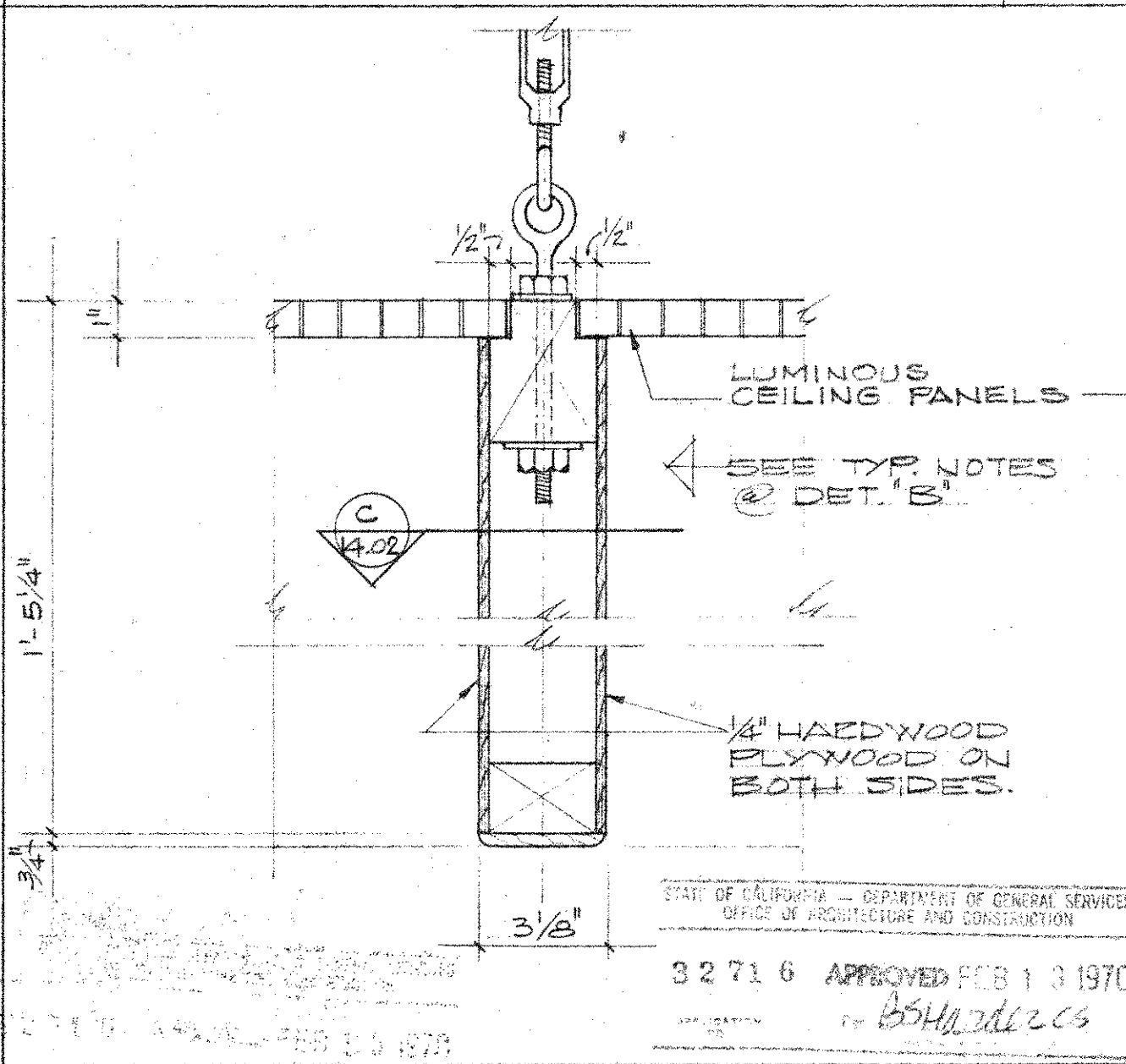
PLAN SECT. OF CEILING  
SCALE: 3" = 1'-0"



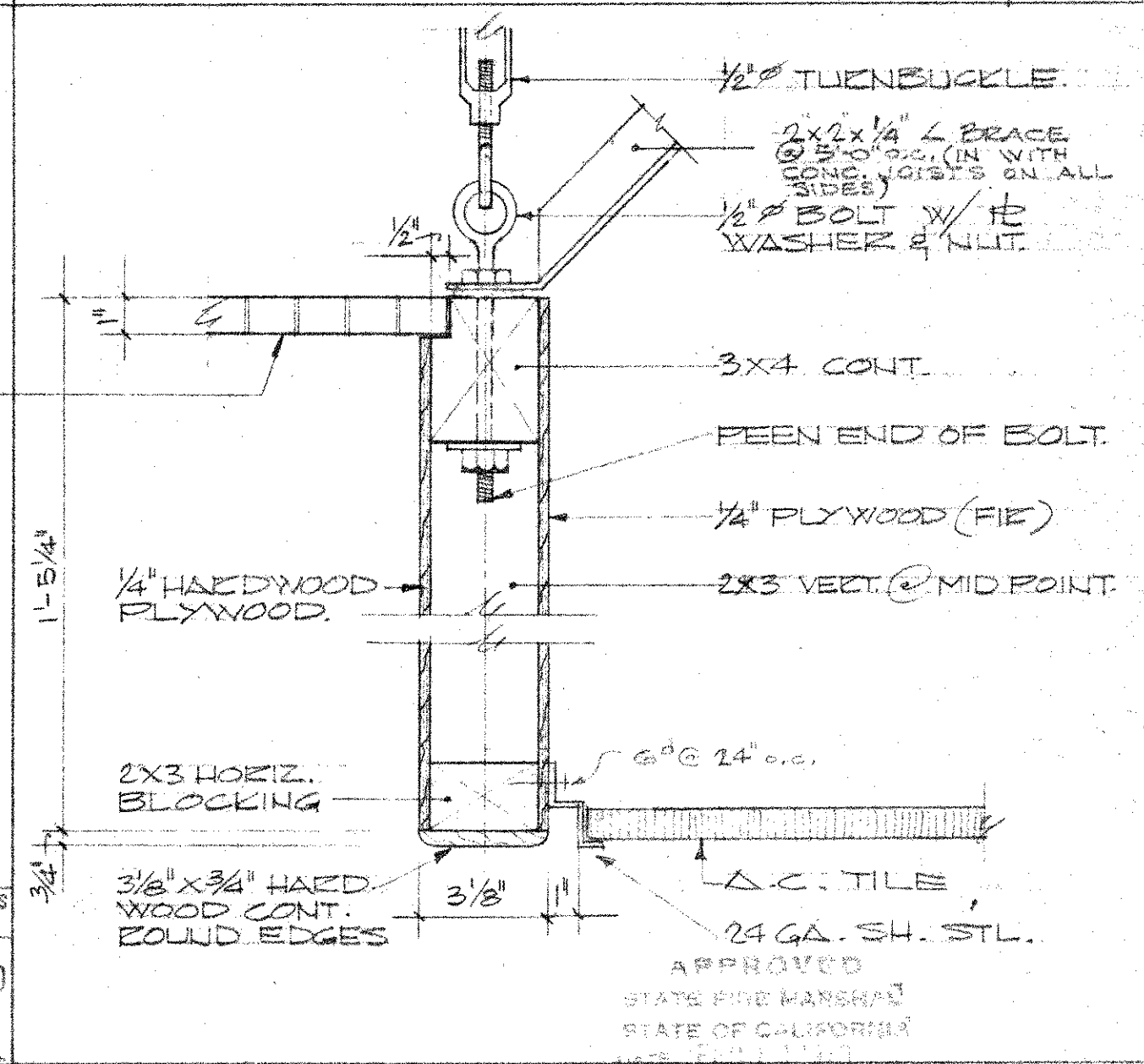
SECT. @ DROP CEILING  
SCALE: 3/4" = 1'-0"



STL. EQUIP. SUPPORT BEAM  
SCALE: 3" = 1'-0"



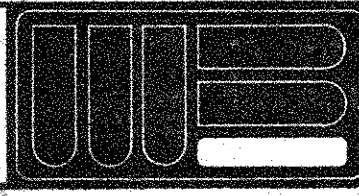
CEILING DET.  
SCALE: 3" = 1'-0"



CEILING DET.  
SCALE: 3" = 1'-0"

SCALE AS NOTED  
DATE  
DRAWN E.W.  
JOB C-1007

CYPRESS COLLEGE  
PHASE II William Blurock

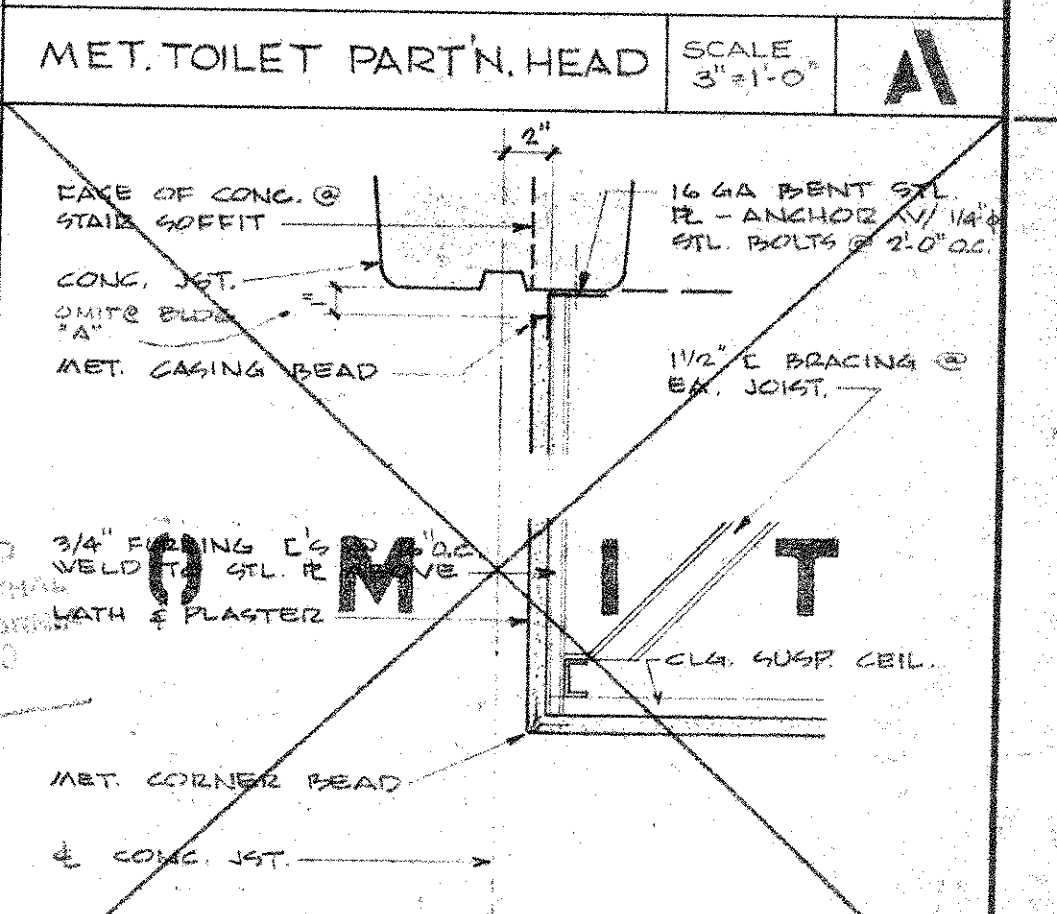
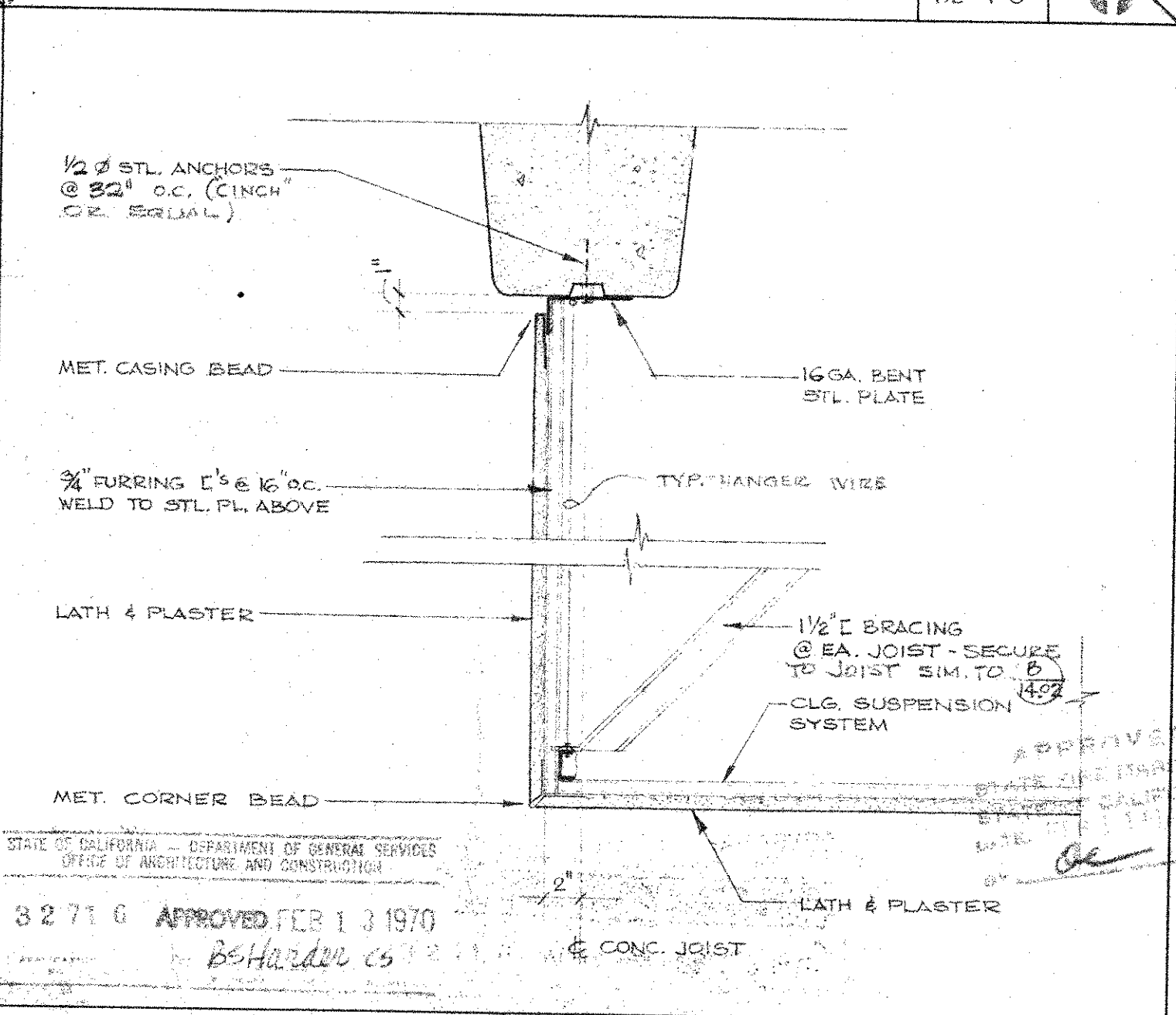
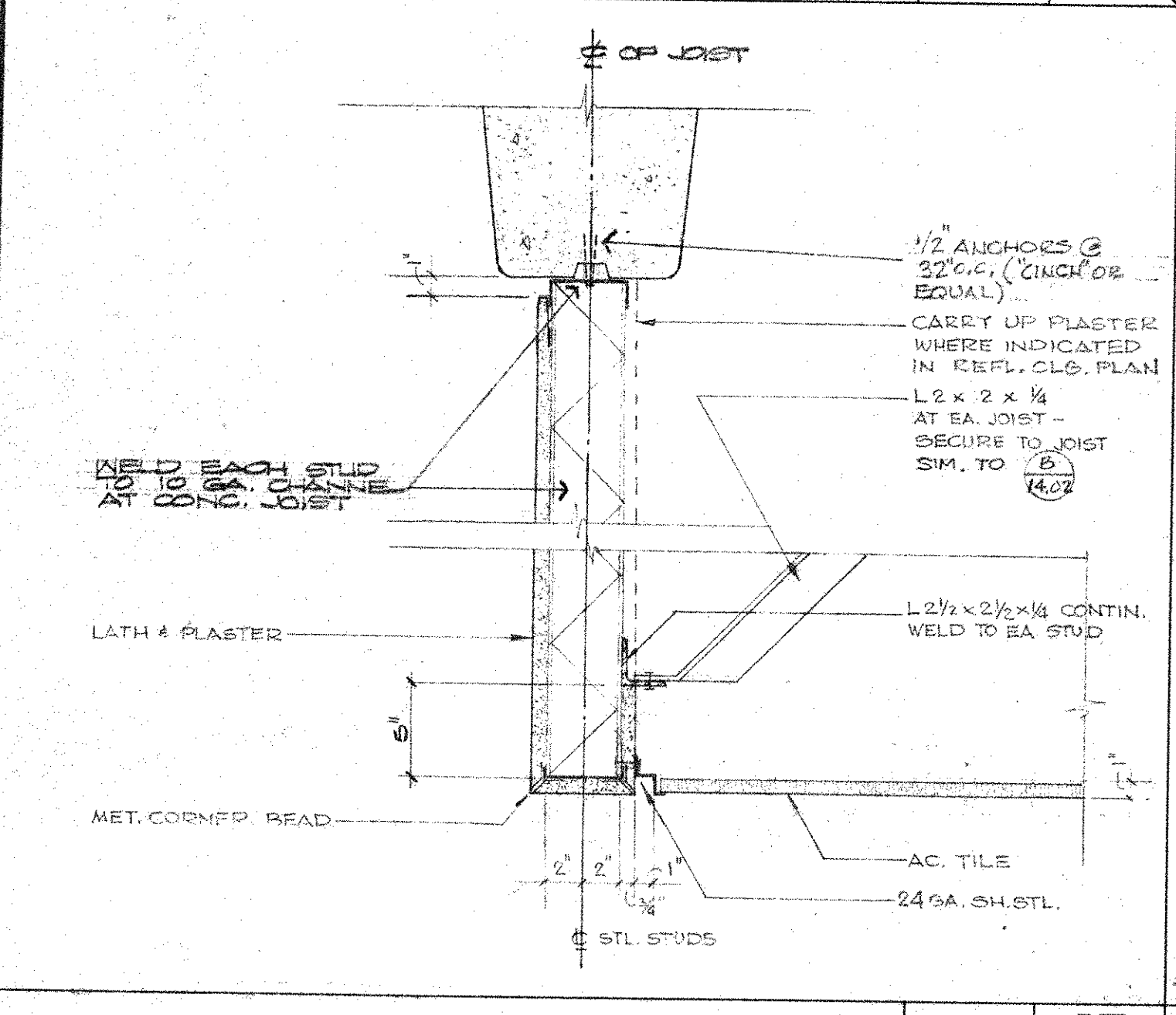
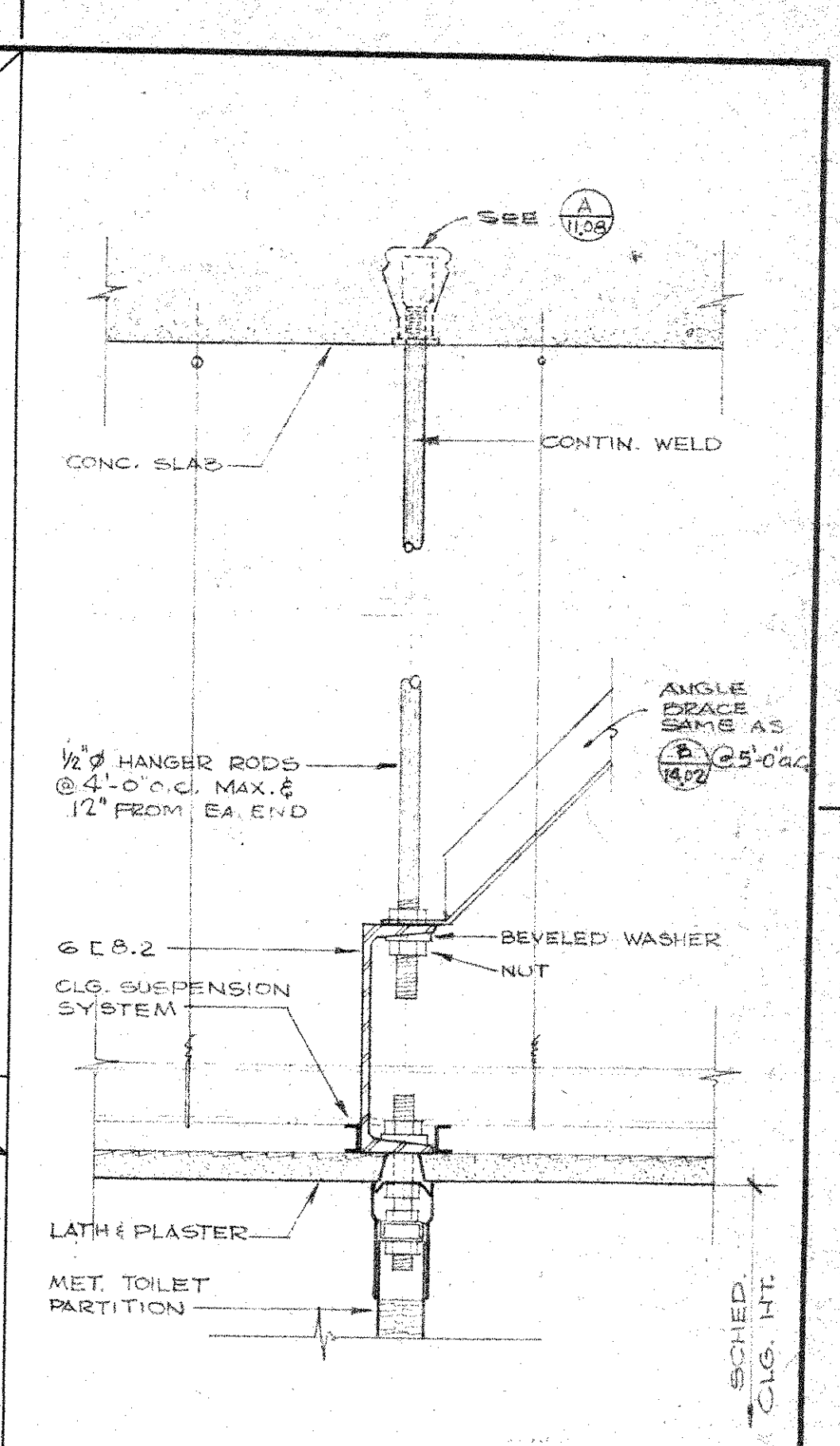
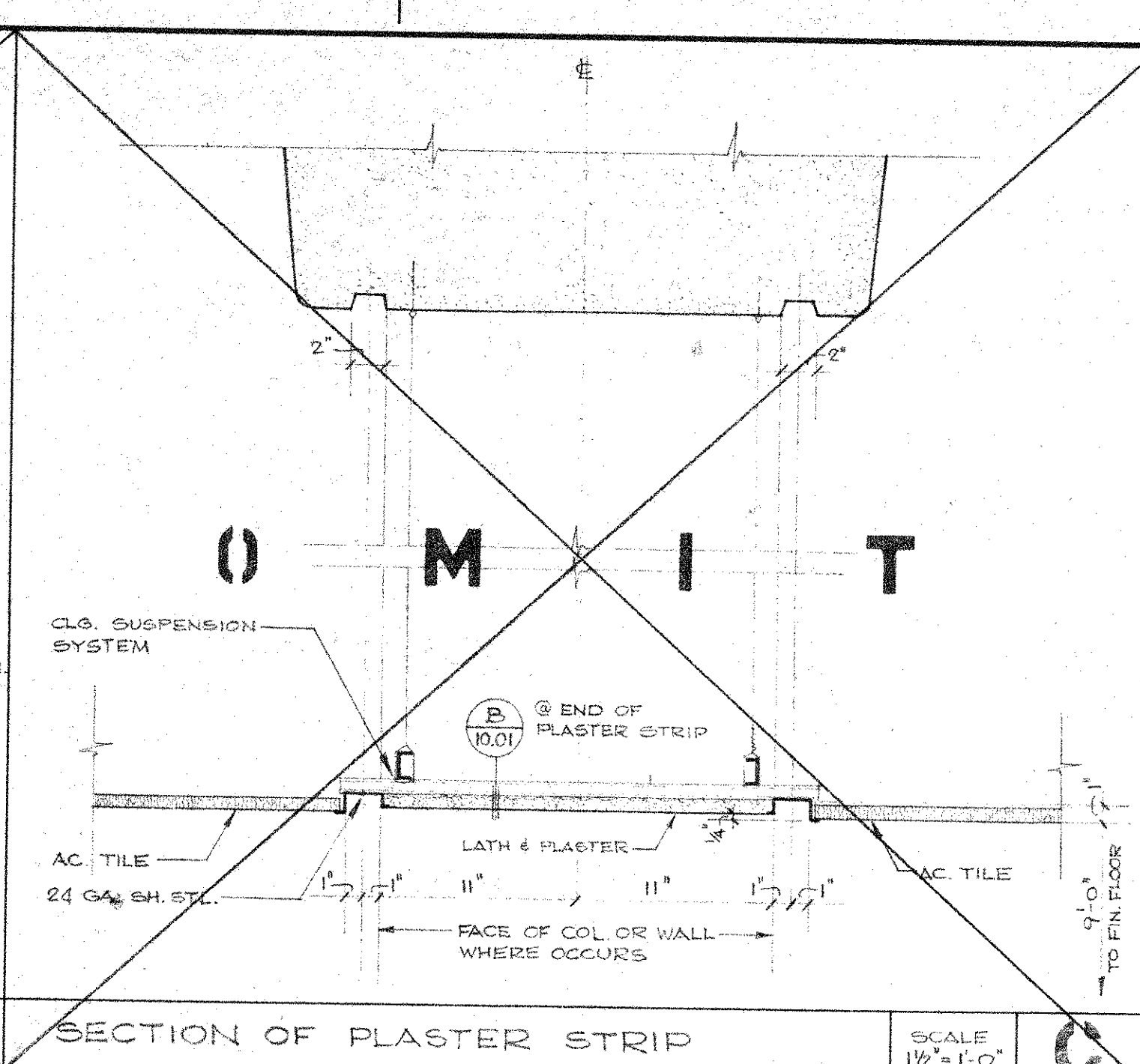
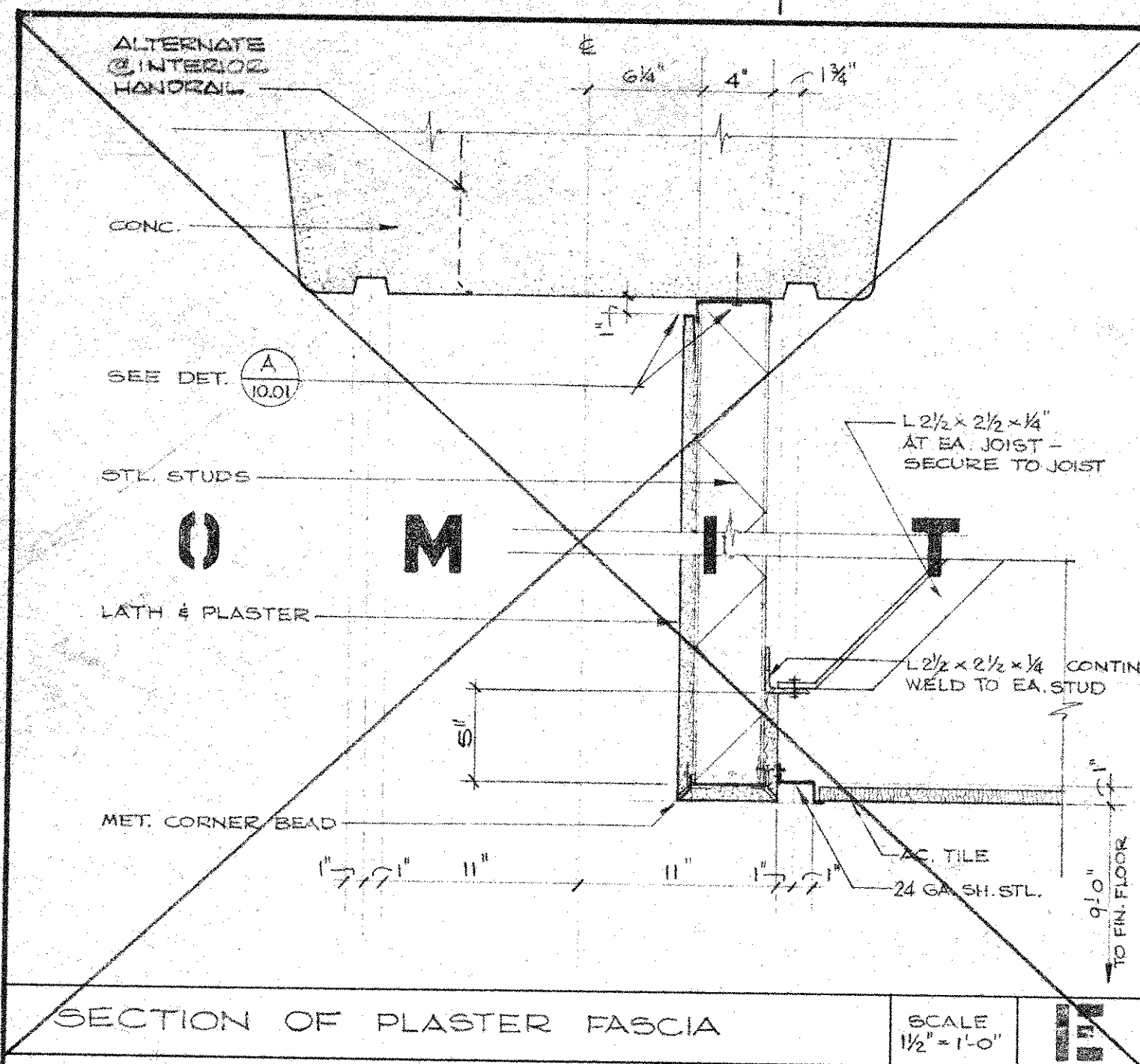


william blurock & partners  
architects planners  
1550 Bayview Drive, P.O. Box 577, 714 573-0300  
Corona del Mar, California 92625

CEILING DETAILS

SHEET  
14.02  
OF SHEETS





SECTION OF PLASTER FASCIA

SCALE AS NOTED

DATE

DRAWN HKC

JOB

SECTION OF PLASTER FASCIA

SCALE  $1\frac{1}{2}" = 1'-0"$

W.B. WILLIAM E. BLUROCK & ASSOCIATES  
CAUDILL ROWLETT SCOTT  
associated architects

1550 BAYSIDE DR. CORONA DEL MAR 714 673 0300

CYPRESS JUNIOR COLLEGE  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

SECTION OF PLAS. FASCIA

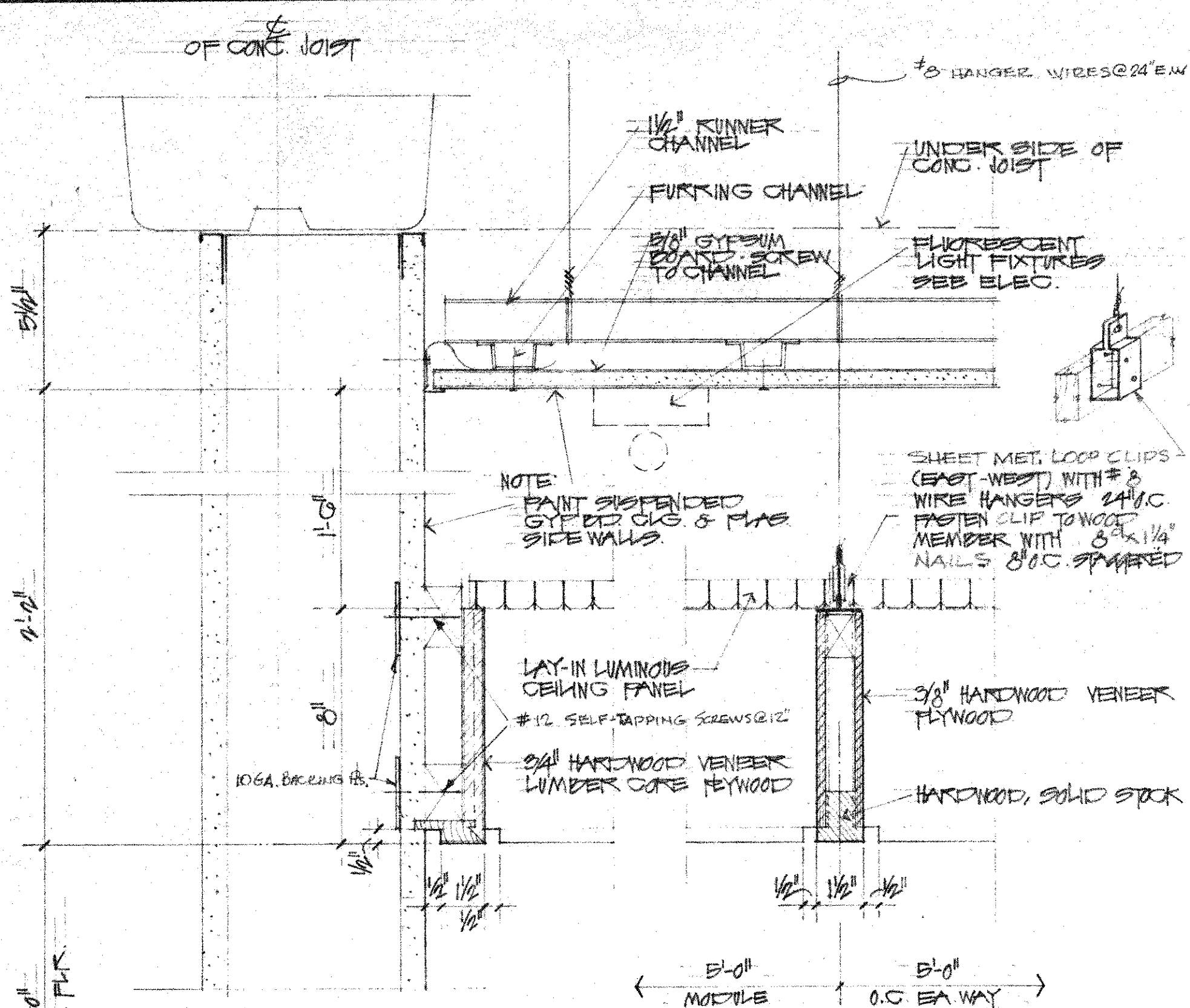
SCALE  $1\frac{1}{2}" = 1'-0"$

SHEET 14.03

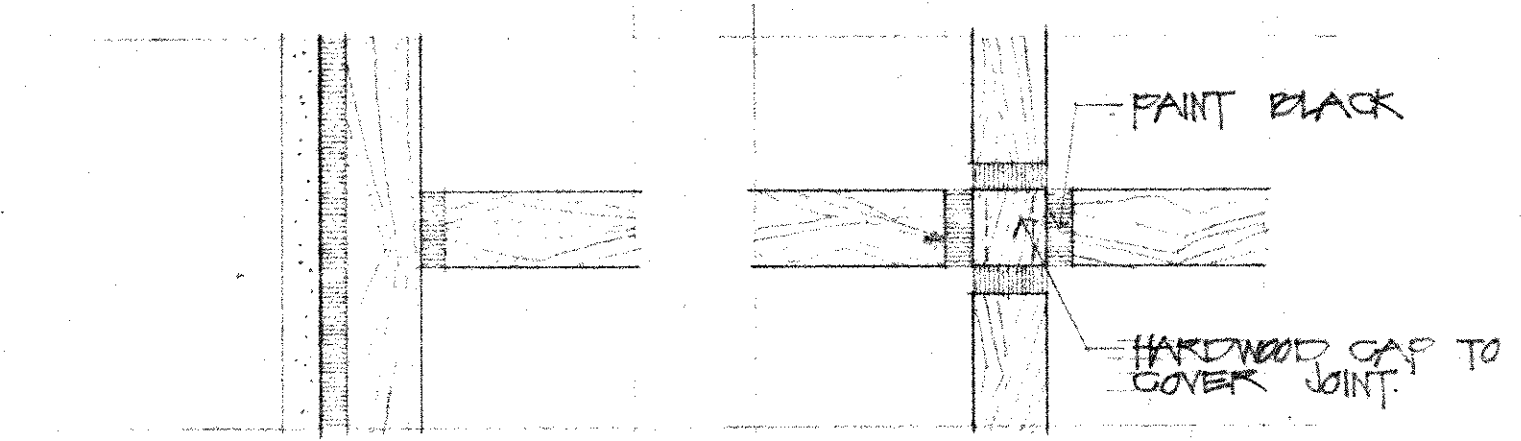
OF



Make  
changes  
to  
this  
section

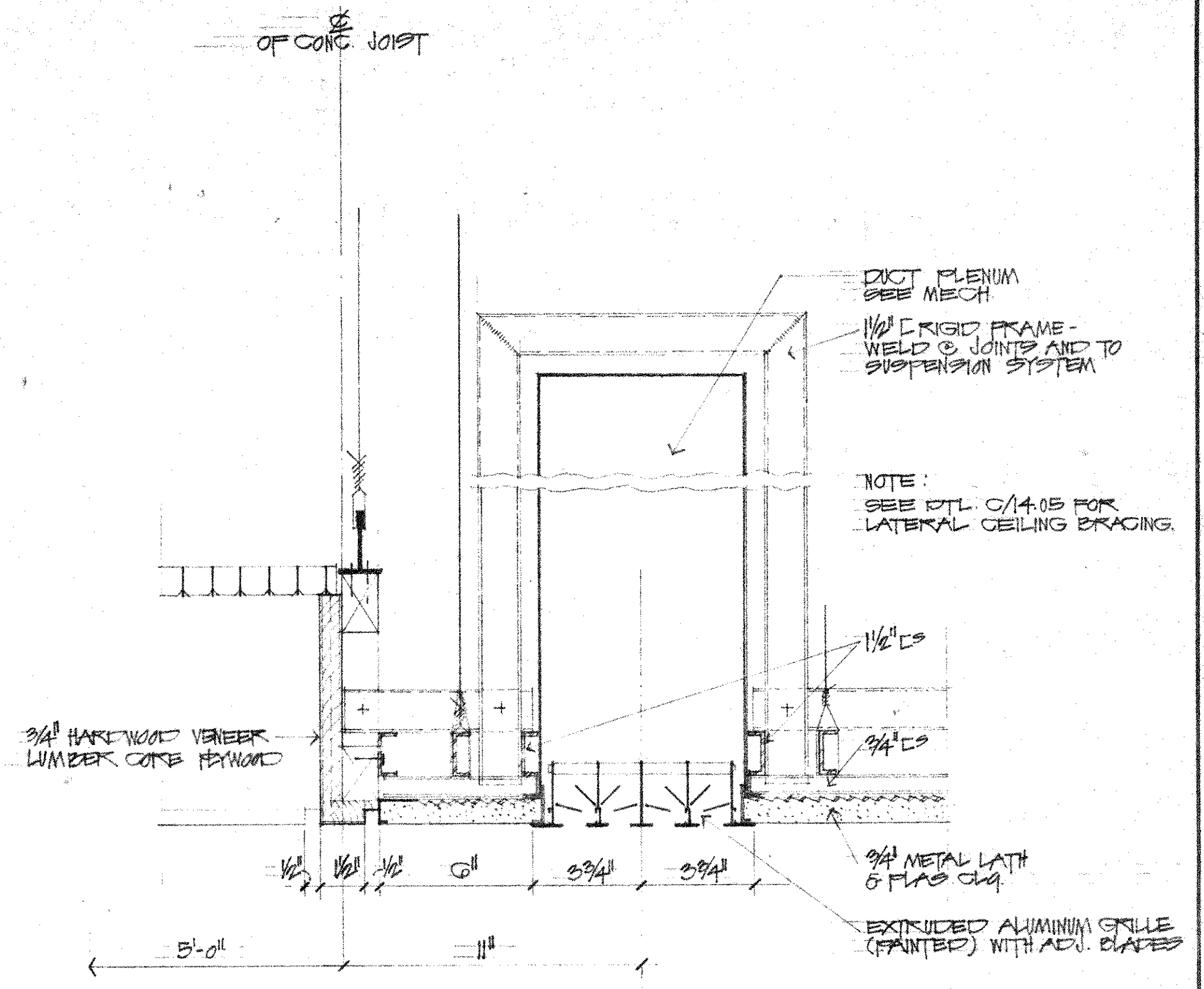


CONDITION C WALL (E) TYPICAL FIN (D)



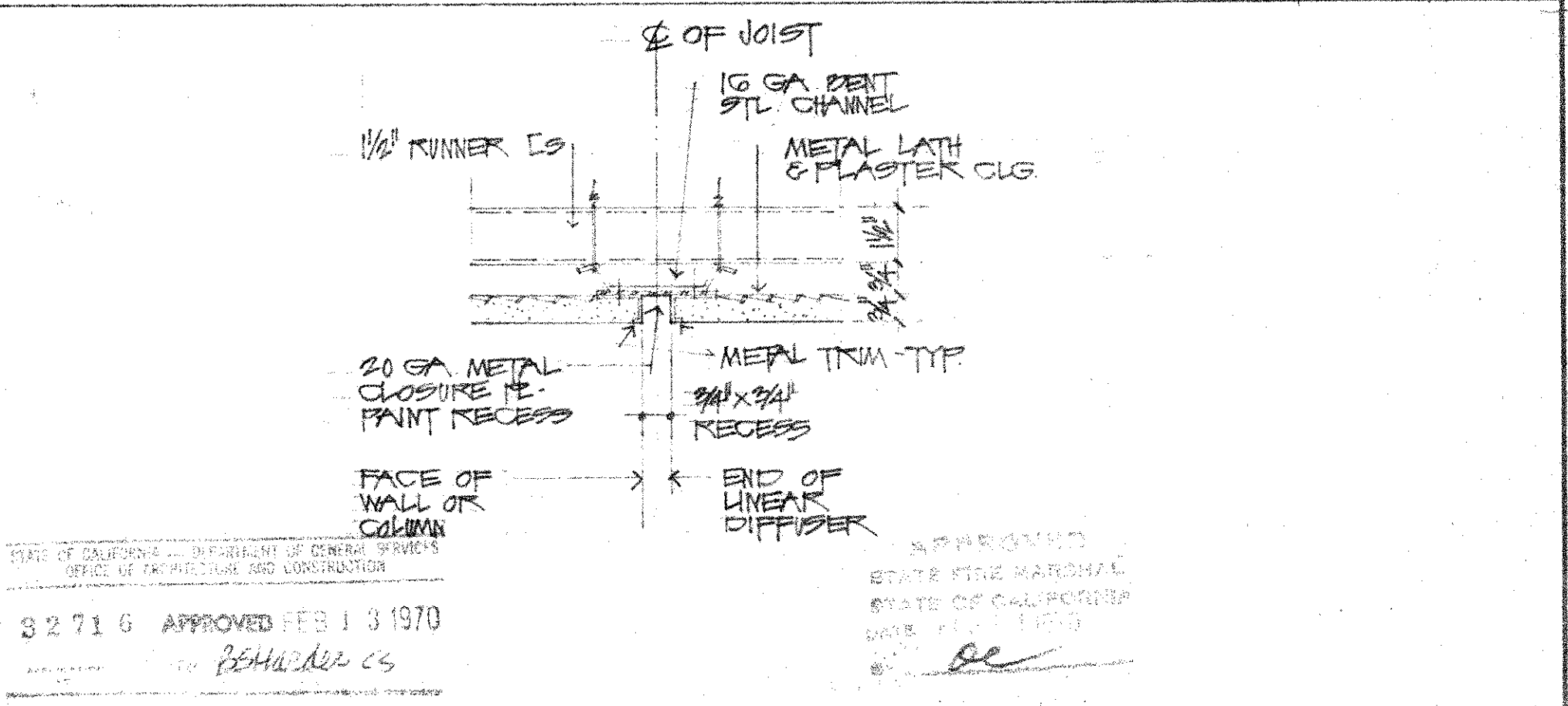
REFLECTED PLANS

NOTE - ALL WOOD  
TO BE FIRE  
RETARDANT  
TREATED



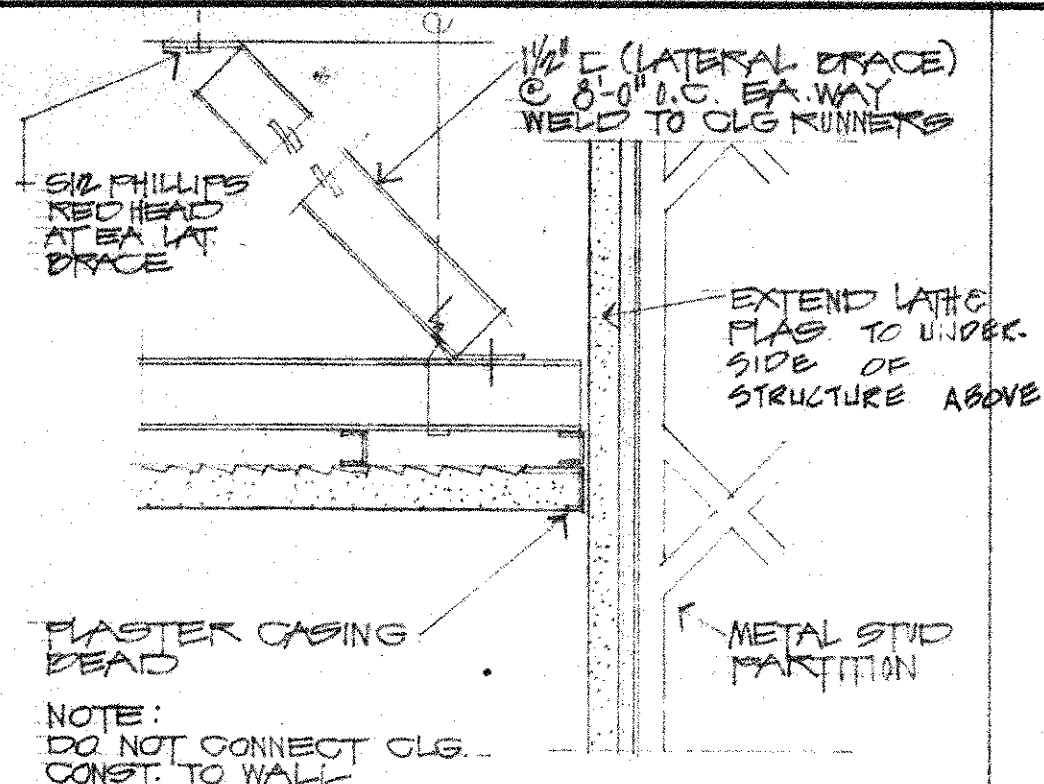
LINEAR DIFFUSER CEILING DETAIL

SCALE  
3" = 1'-0" A



PLASTER CEILING REVEAL

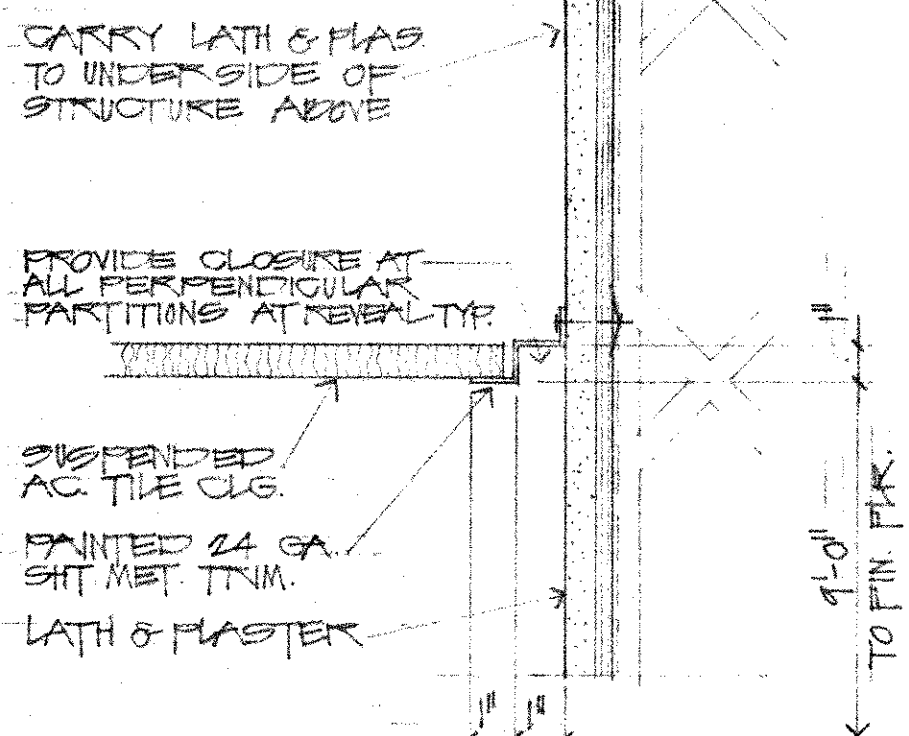
SCALE  
3" = 1'-0" B



CEILING DETAIL

SCALE  
3/4"=1'-0"

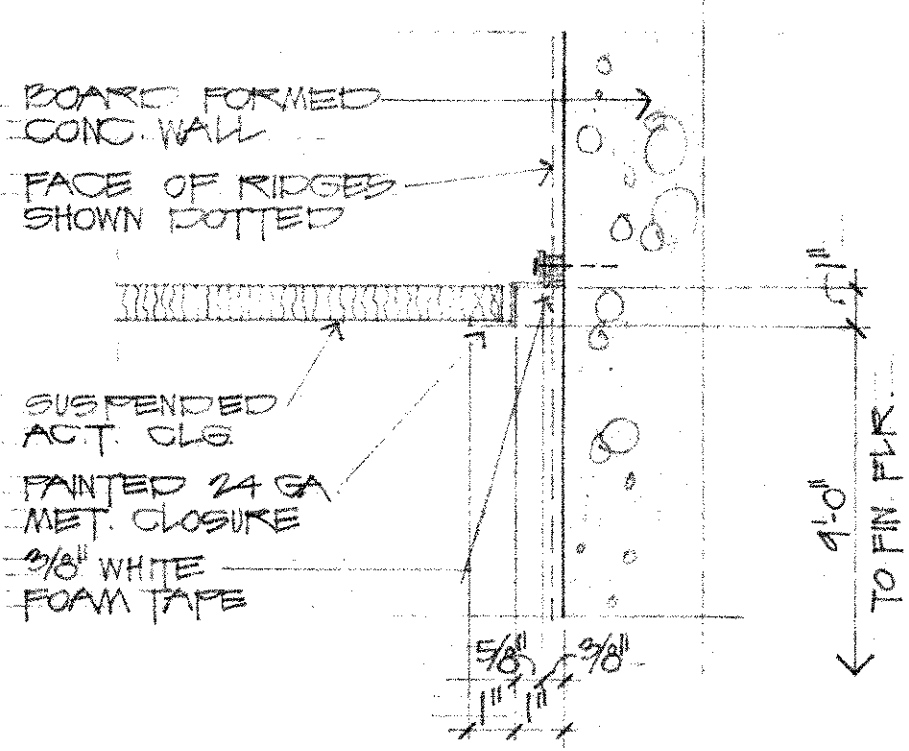
C



CEILING REVEAL

SCALE  
3/4"=1'-0"

D



CEILING REVEAL

SCALE  
3/4"=1'-0"

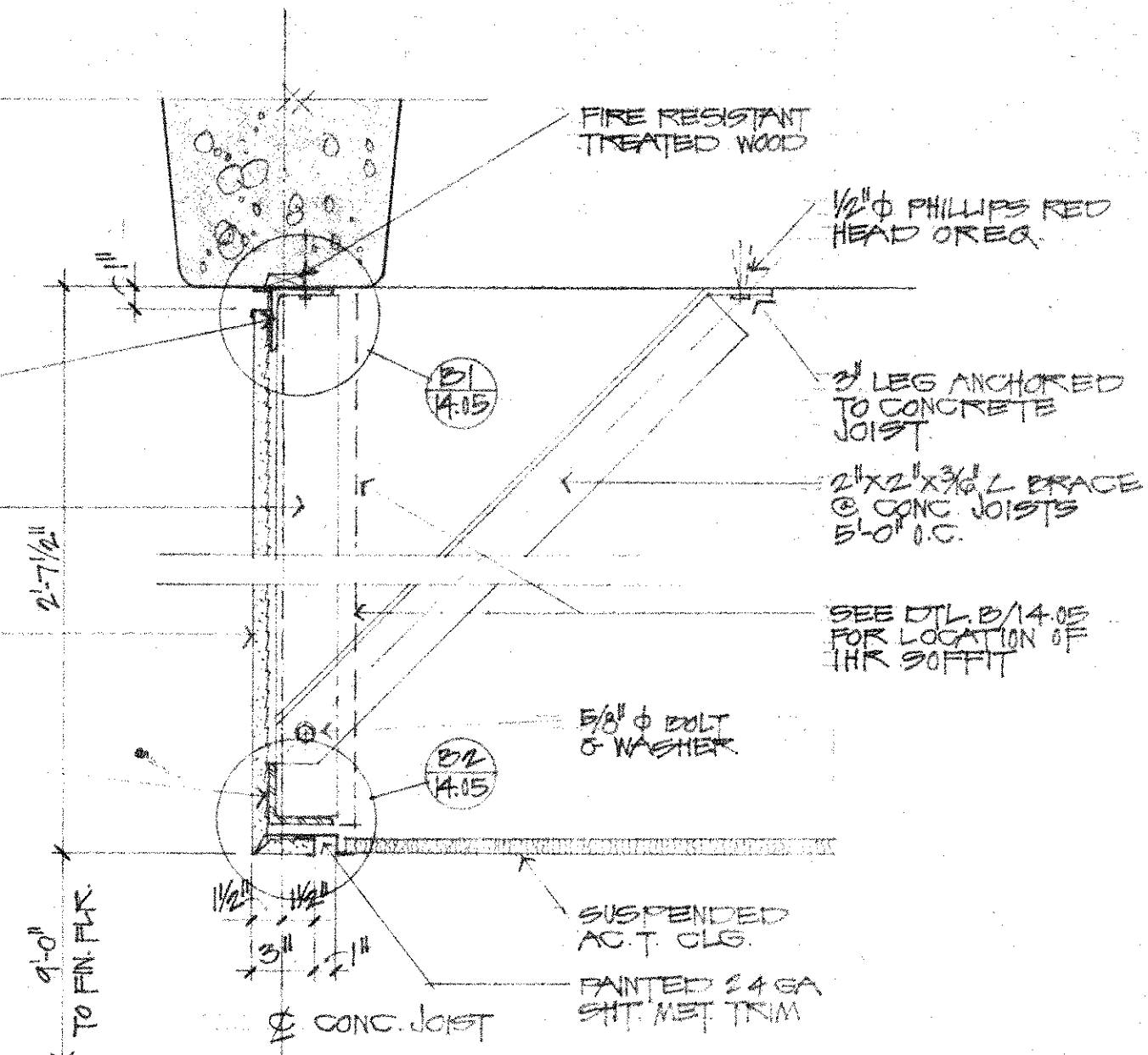
E

2"x2"x3/16" x CONT. L  
WELDED TO STL L  
HANGER & BOLTED  
TO CONC. JOIST @  
52" O.C.

2"x2"x3/16" STL L'S  
AT 5'-0" O.C.

PLASTER SOFFIT

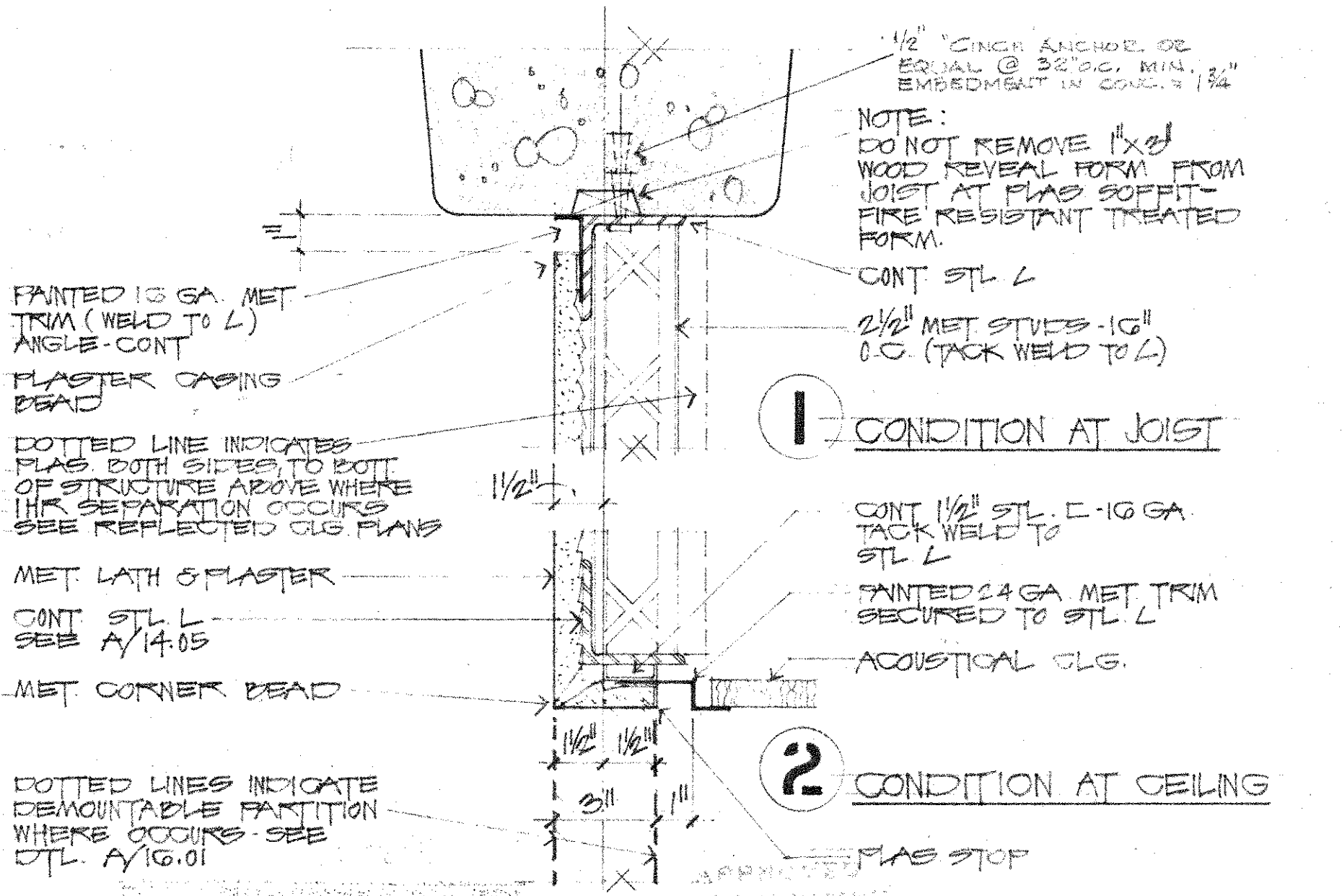
2"x2"x3/16" x CONT. L  
WELDED TO VERTICAL  
L SUPPORTS



LATERAL CEILING BRACING

SCALE  
1/2"=1'-0"

A



PLASTER SOFFIT

SCALE  
3/4"=1'-0"

B

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC SERVICES  
DIVISION OF ARCHITECTURE AND CONSTRUCTION

32716 APPROVED FEB 13 1970  
B. H. B. C. S.

SCALE AS NOTED  
DATE  
DRAWN VON SUND  
JOB C-1007

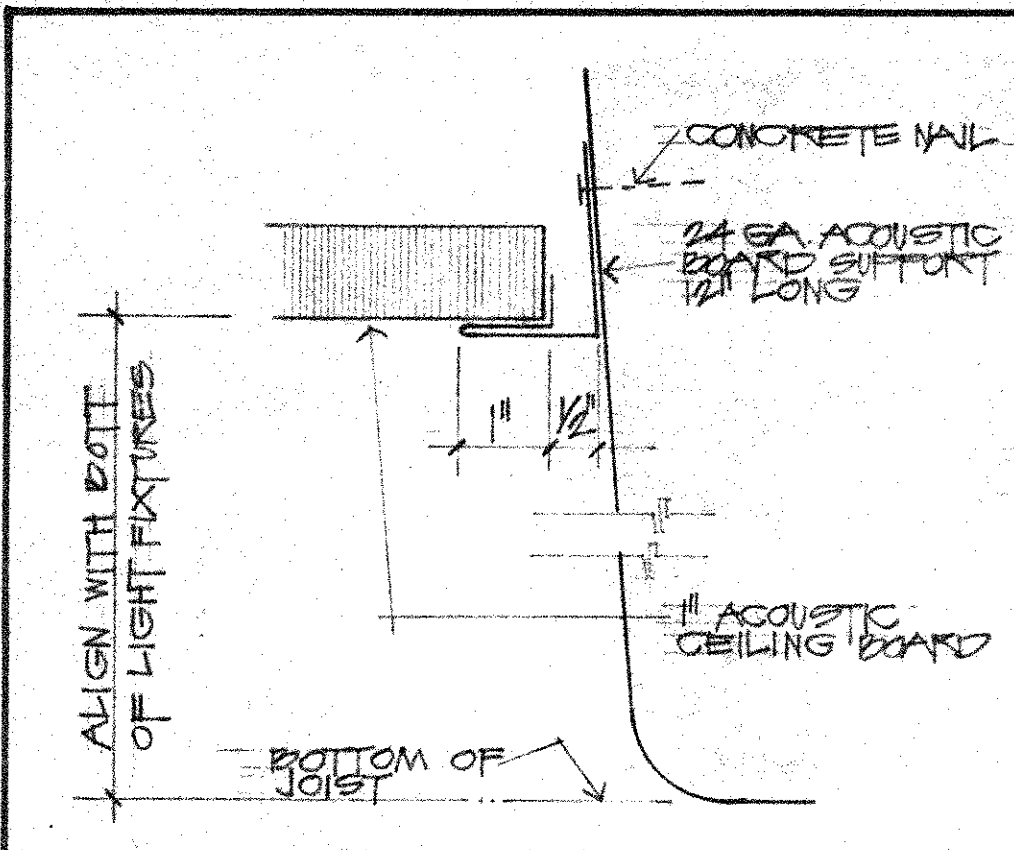
CYPRESS COLLEGE  
PHASE II

W.B. ARCHITECTS PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

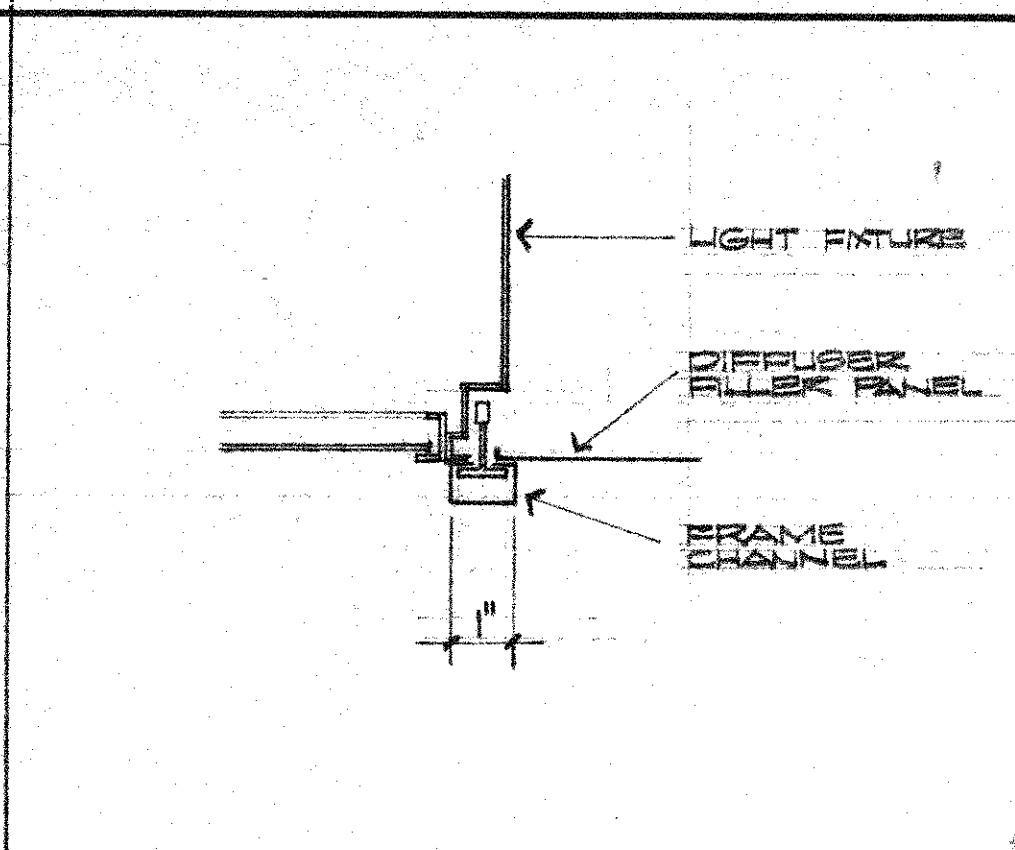
CEILING DETAILS

14.05  
SHEET  
OF

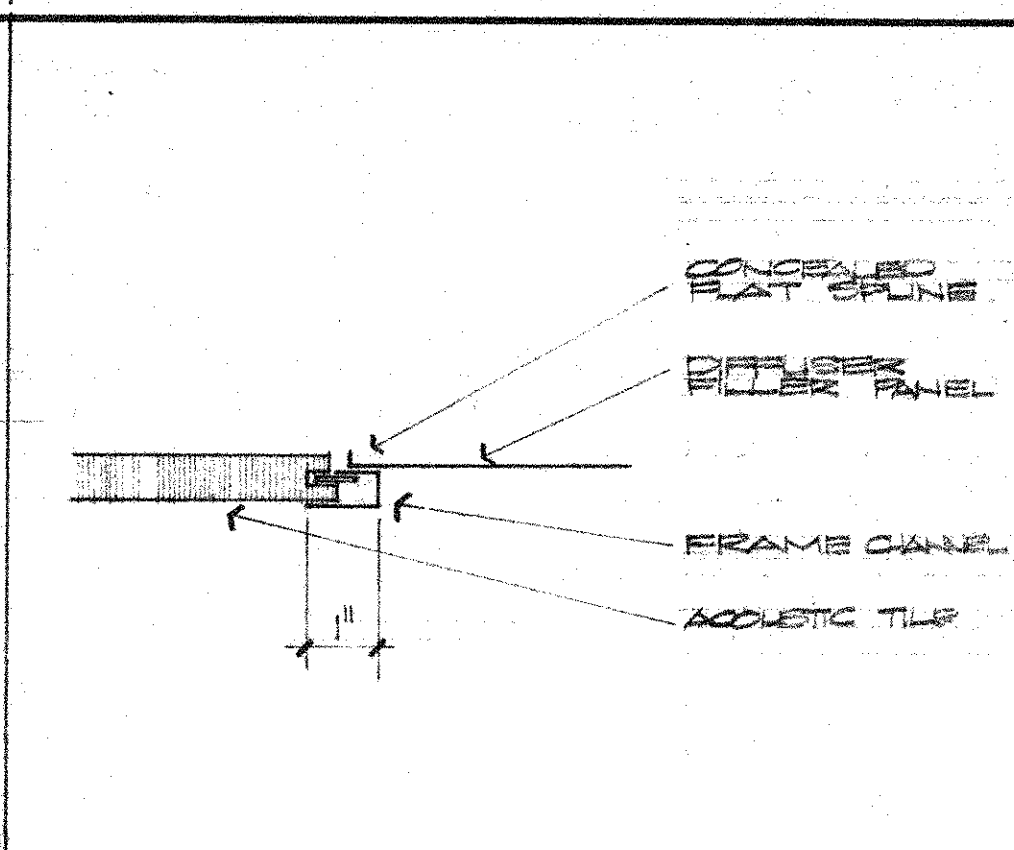




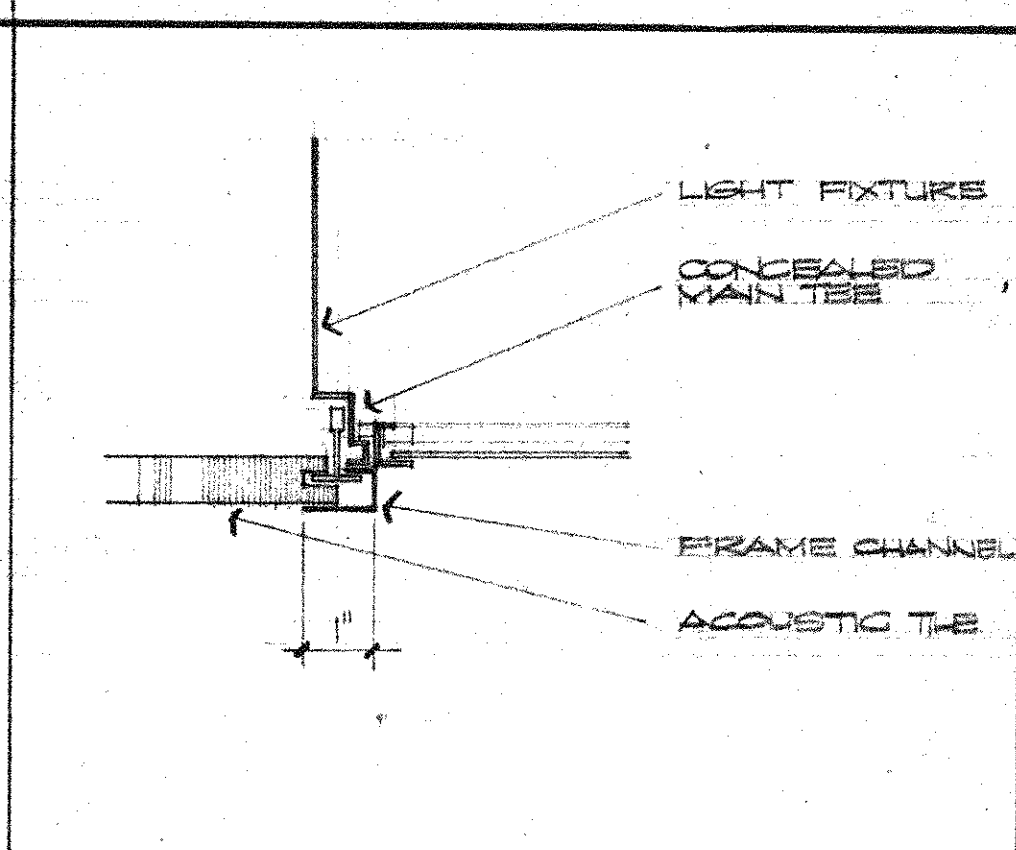
BOARD SUPPORT SCALE 6"=1'-0" L



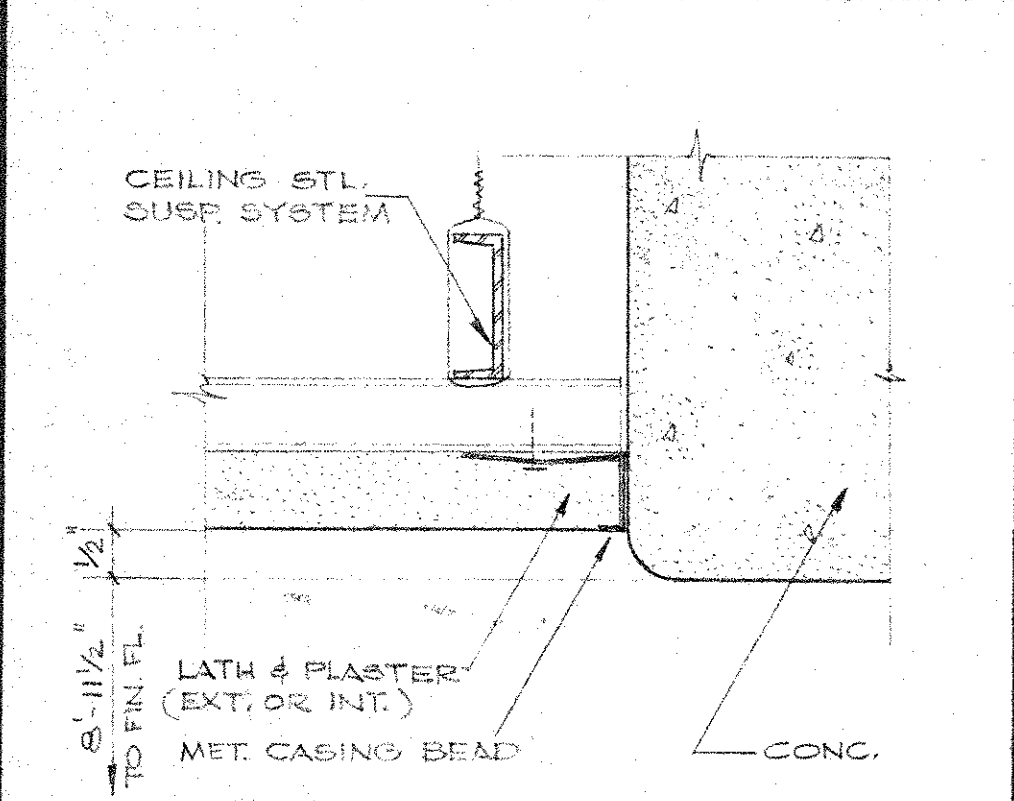
SUSP. CEILING SCALE 1/4" H



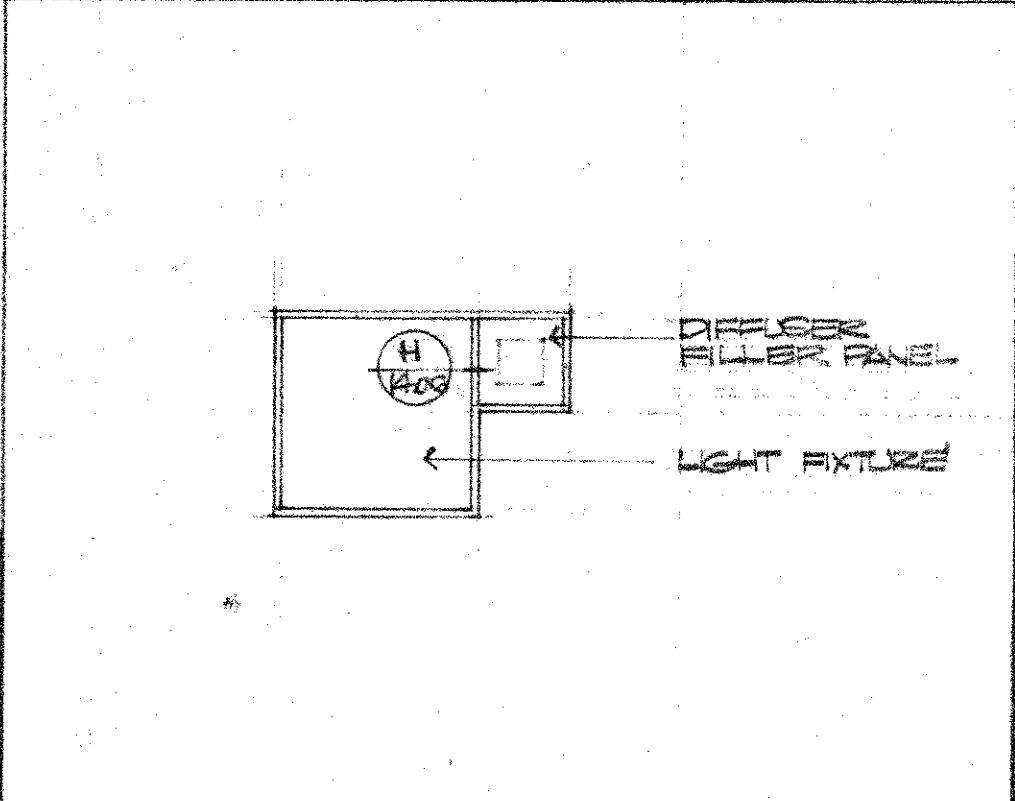
SUSP. CEILING SCALE 3/4" E



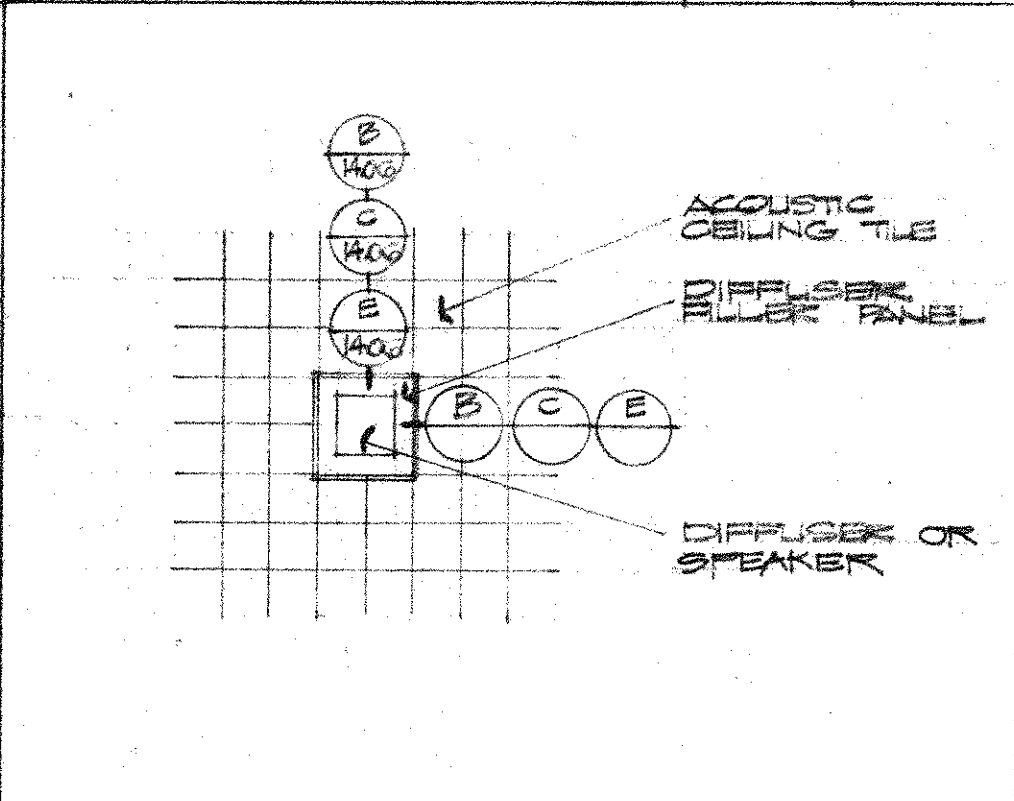
SUSP. CEILING SCALE 3/4" A



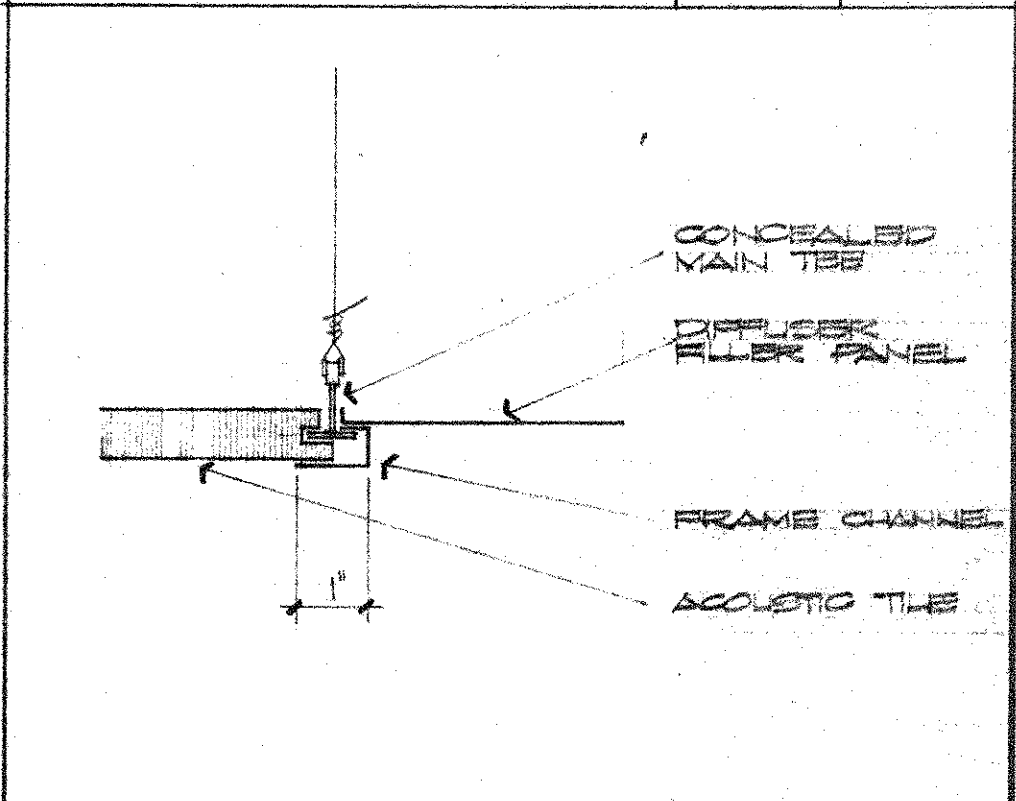
CEILING TO CONC. SCALE 6"=1'-0" M



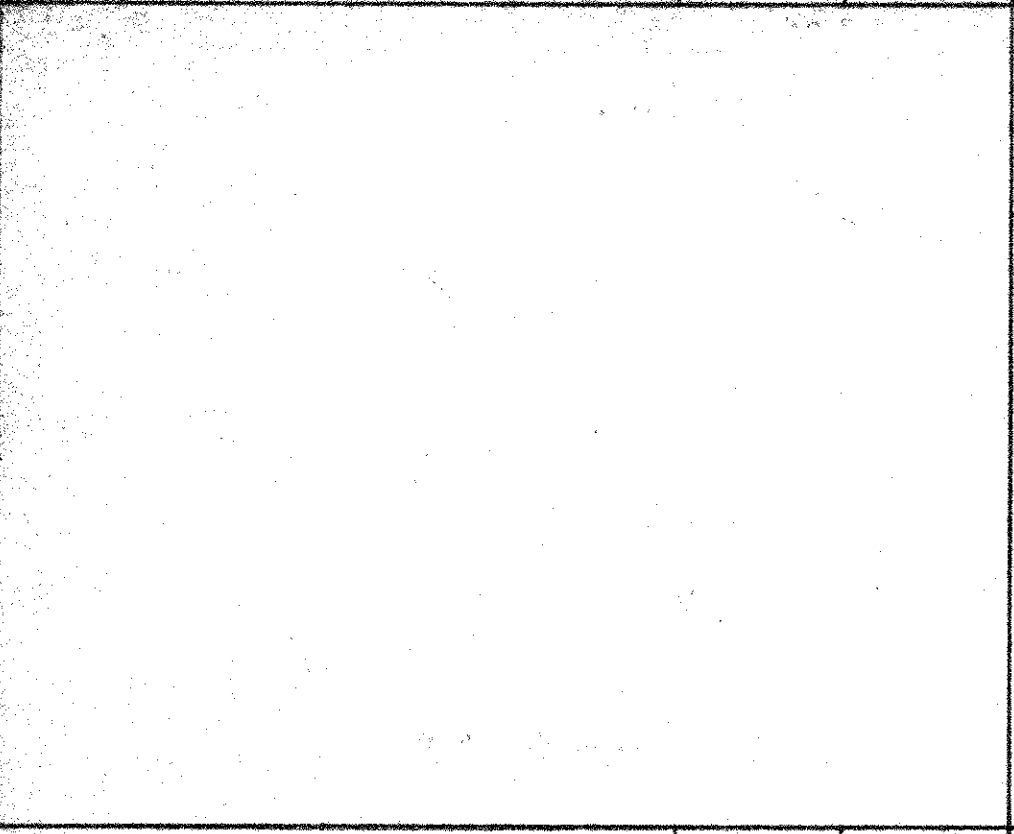
SUSP. CEILING SCALE 1/4" J



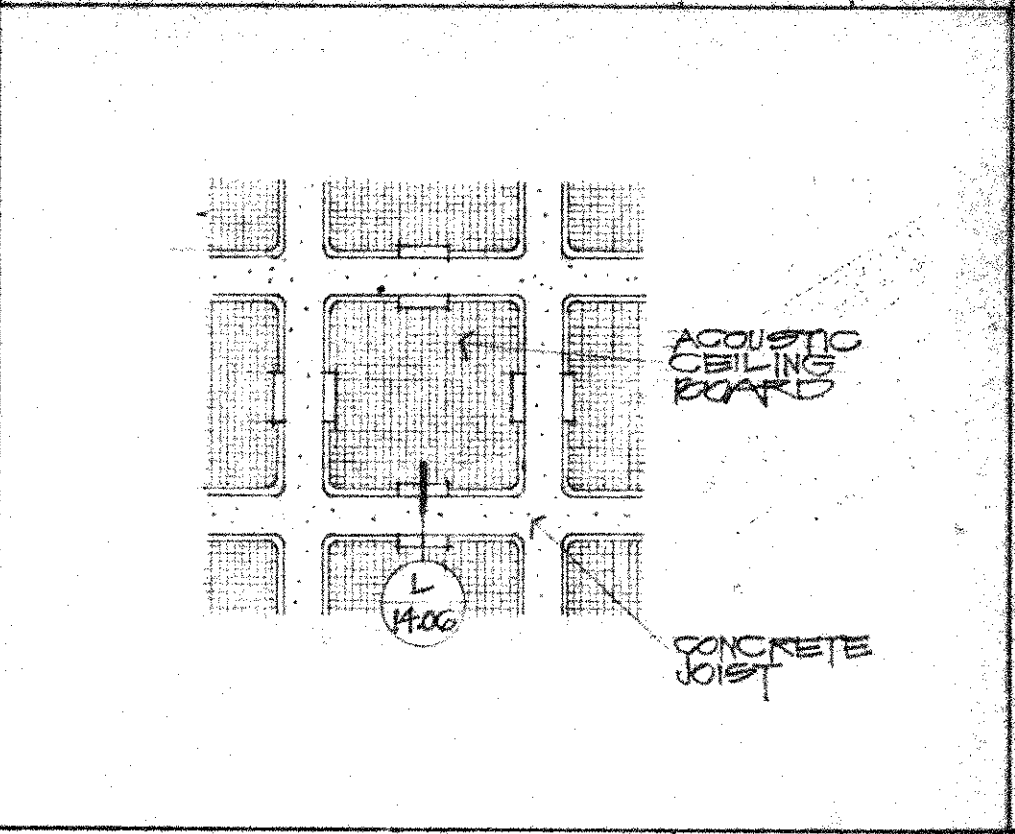
PARTIAL CEILING SCALE 1" F



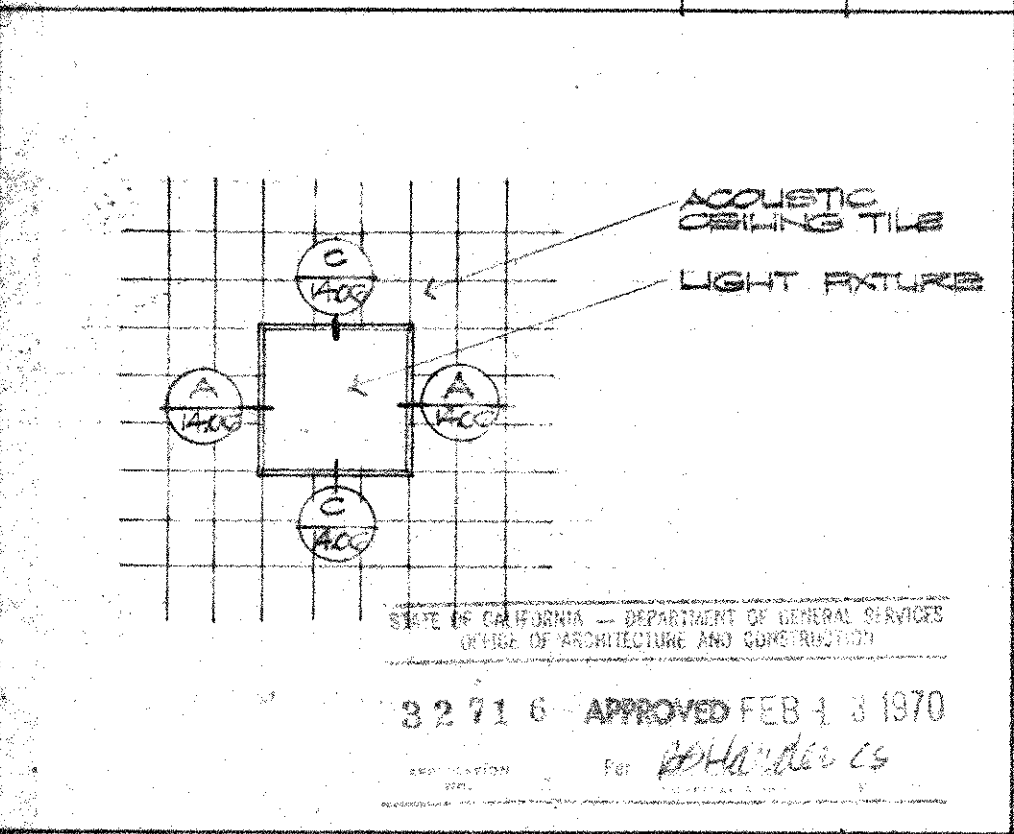
SUSP. CEILING SCALE 3/4" B



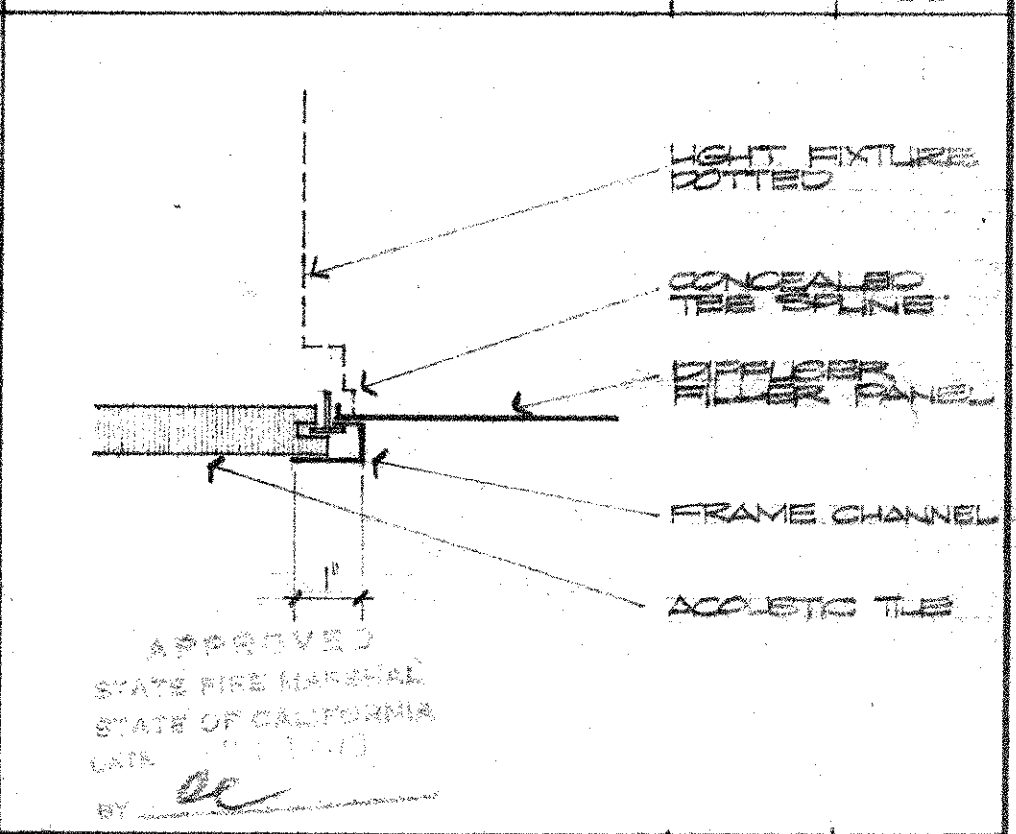
PARTIAL CEILING SCALE 1/4" N



PARTIAL CEILING SCALE 1" K



PARTIAL CEILING SCALE 1" G



SUSP. CEILING SCALE 3/4" C

SCALE AS NOTED  
DATE  
DRAWN  
JOB C-1007



WILLIAM E. BLUROCK & ASSOCIATES  
CAUDILL ROWLETT SCOTT  
associated architects  
1550 BAYSIDE DR. CORONA DEL MAR 714 673 0300

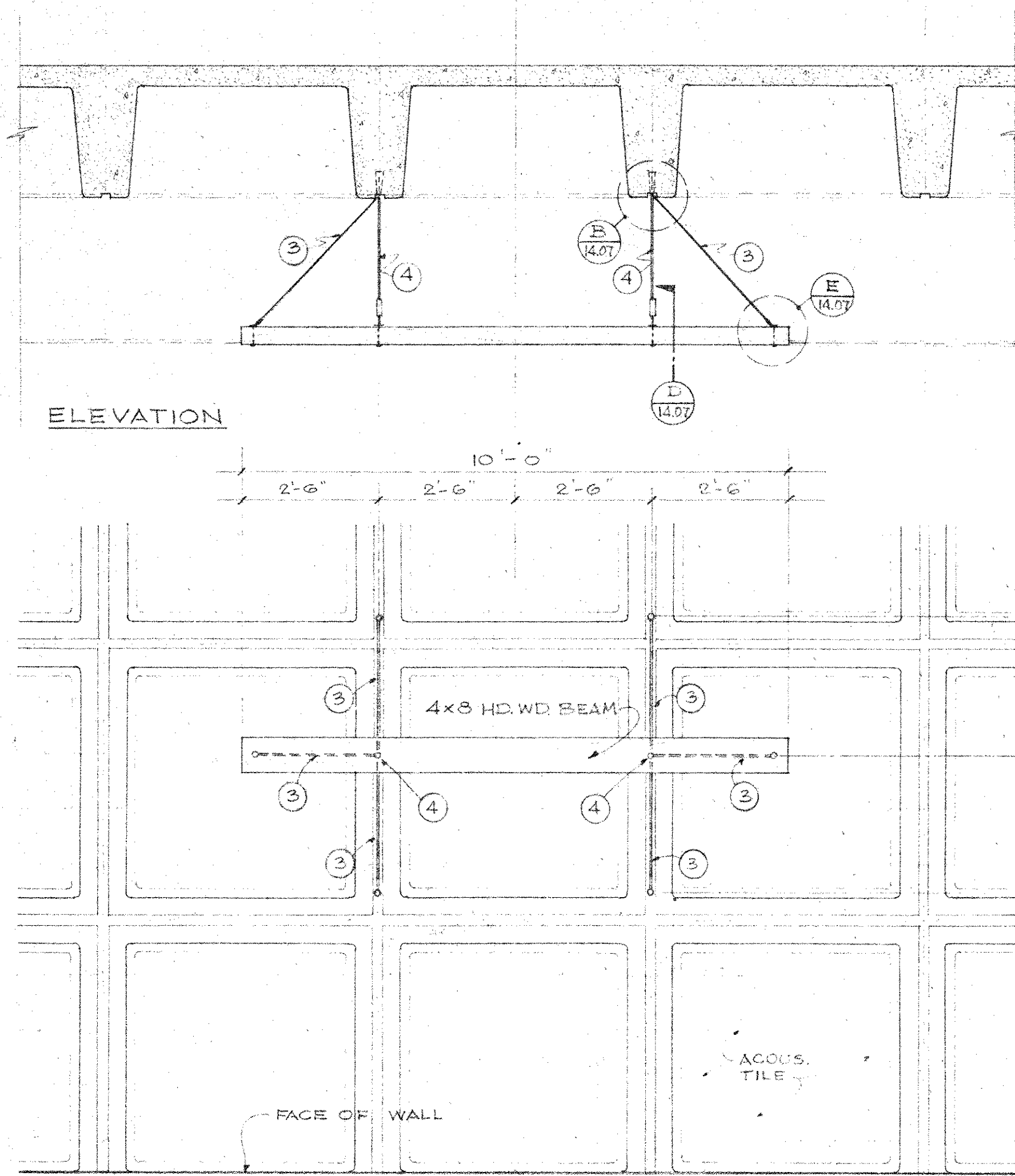
CYPRESS JUNIOR COLLEGE  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

CEILING DETAILS  
SHEET 14.06  
OF

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION  
32716 APPROVED FEB 13 1970  
For [Signature]

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE 11/1/70  
BY [Signature]

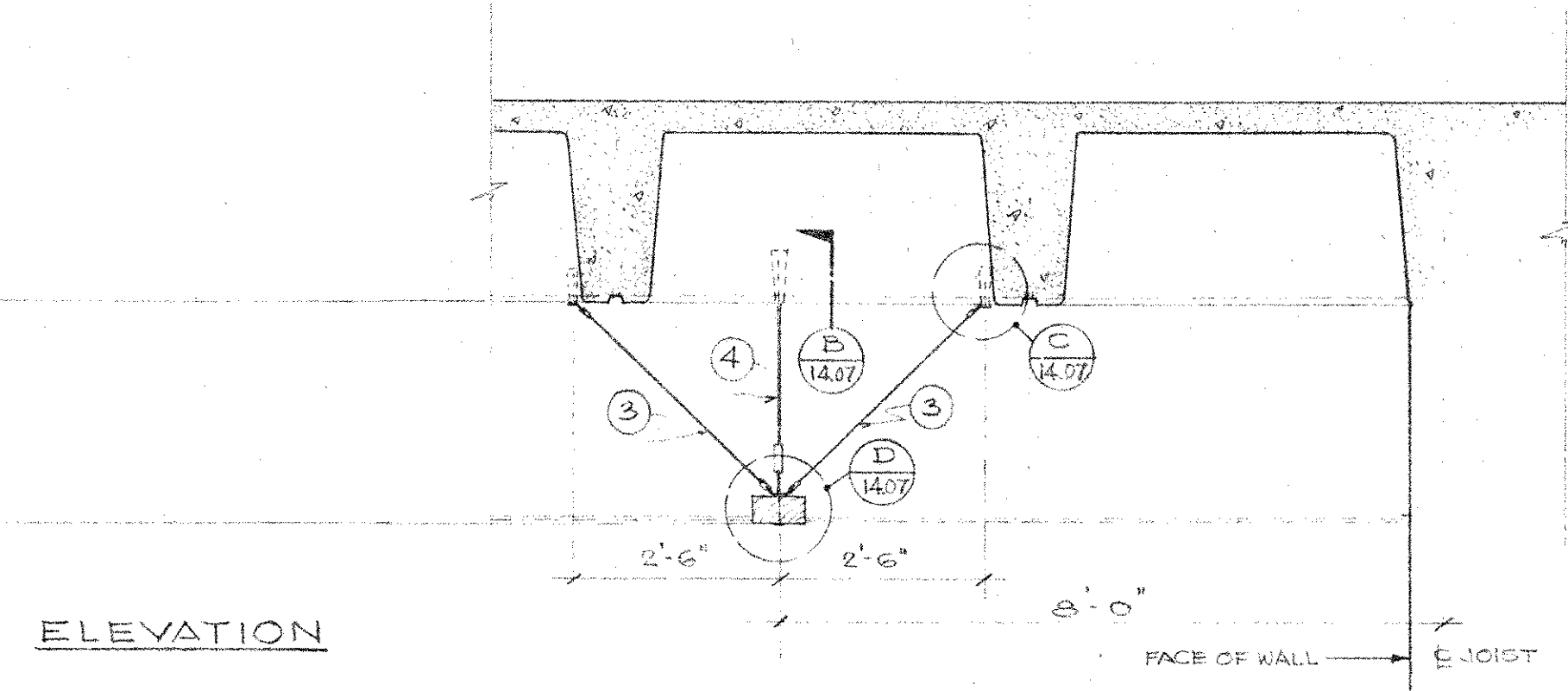
E ROOM



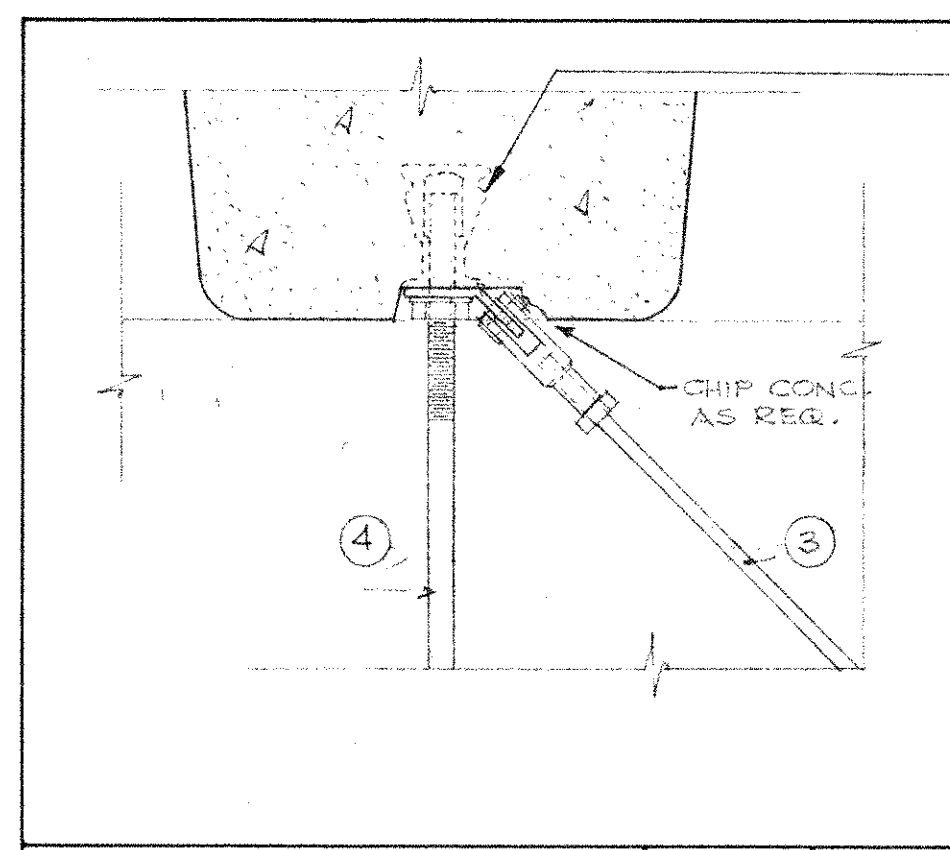
REFLECTED CEILING PLAN AT EQUIP. SUPPORT BEAM  
ACOUS. TILE OMITTED FOR CLARIFICATION

NOTE:  
 ③ DETERMINES  $\frac{3}{8}$ " STL. ROD SIZE W/ RIGHT & LEFT THREAD EA. END  
 ④ DETERMINES  $\frac{1}{2}$ " STL. ROD SIZE W/ RIGHT & LEFT THREAD EA. END OR  $\frac{1}{2}$ " STL. BOLT OR CARRIAGE BOLT (CADMIUM PLATED) W/ RIGHT THREAD  
 TYPICAL ASSEMBLY CONSISTS OF: THREADED ROD OR BOLT -  $\frac{3}{16}$ " THK. BENT STL. PLATE - LOCK WASHER & NUT - CLEVIS FORK - CLEVIS PIN - RIGHT OR LEFT LOCK NUT.

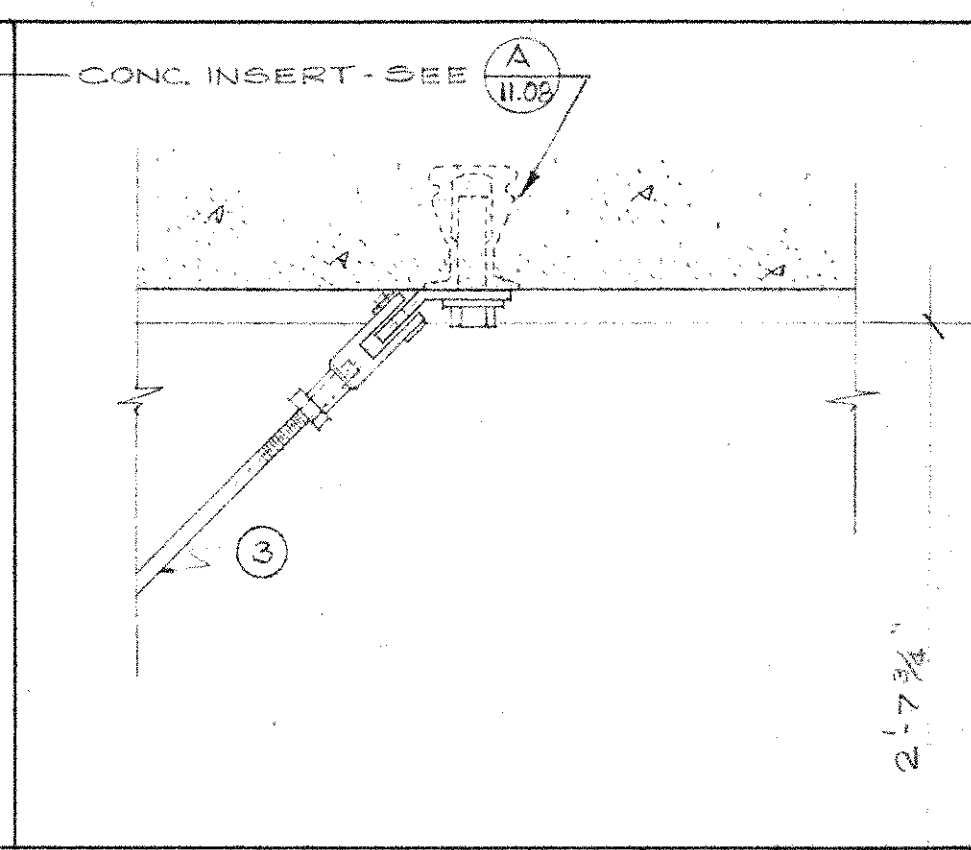
APPROVED FEB 14 1978  
 82716  
 DEPT. OF ARCHITECTURE AND CONSTRUCTION



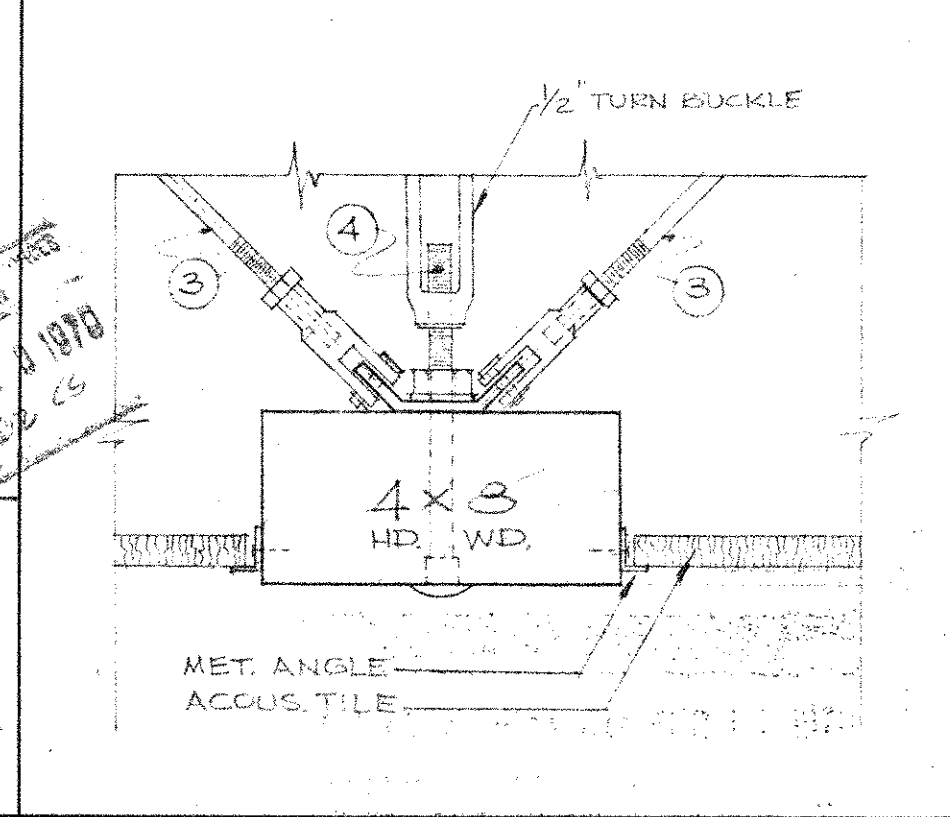
ELEVATION



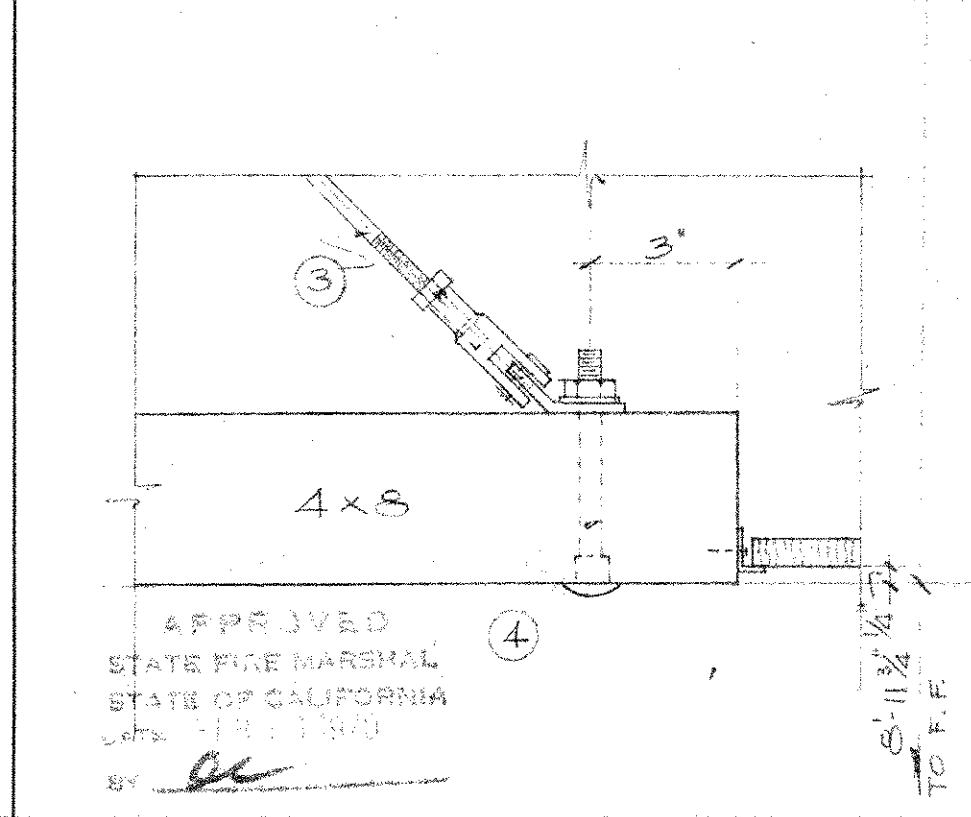
DETAIL SCALE 3"=1'-0" **B**



DETAIL SCALE 3"=1'-0" **C**



DETAIL SCALE 3"=1'-0" **D**



DETAIL SCALE 3"=1'-0" **E**

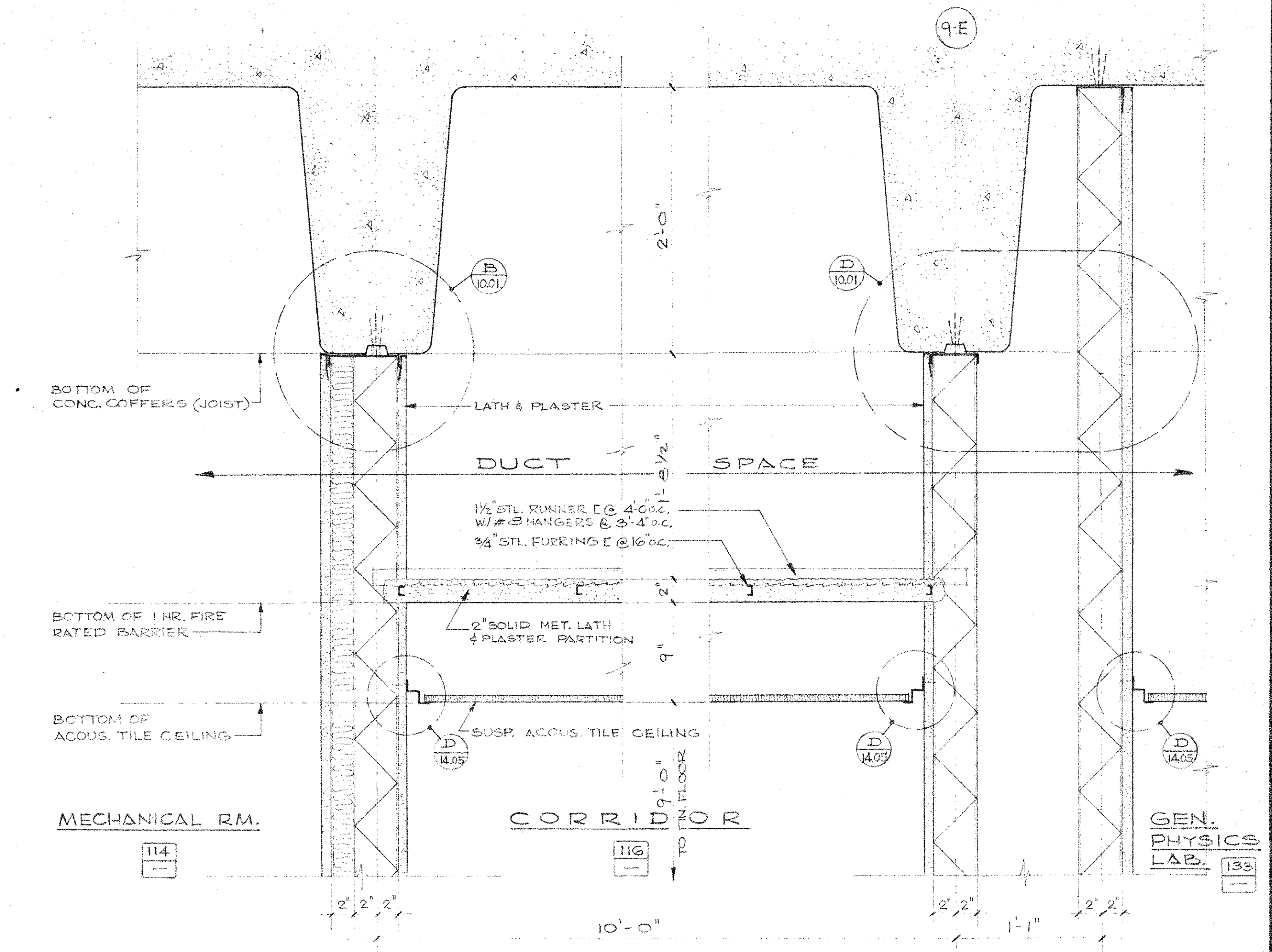
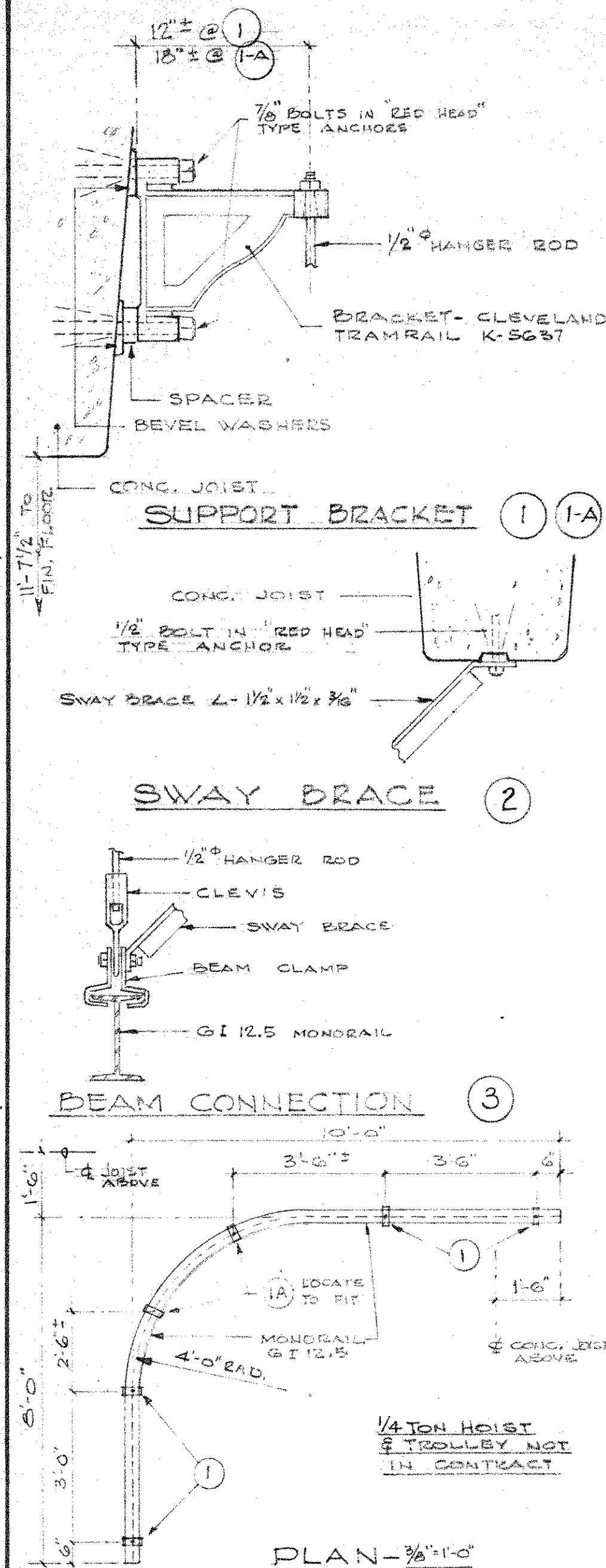
DET. OF EQUIP. SUPPORT BEAM IN GEN. PHYSICS LAB. 131, 132 & 133 SCALE 1/2"=1'-0" **A**

SCALE AS NOTED  
 DATE  
 DRAWN HAK  
 JOB C-1007

**WB** WILLIAM E. BLUROCK & ASSOCIATES  
 CAUDILL ROWLETT SCOTT  
 associated architects  
 1550 BAYSIDE DR. CORONA DEL MAR 714 673 0300

**CYPRESS JUNIOR COLLEGE**  
 NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

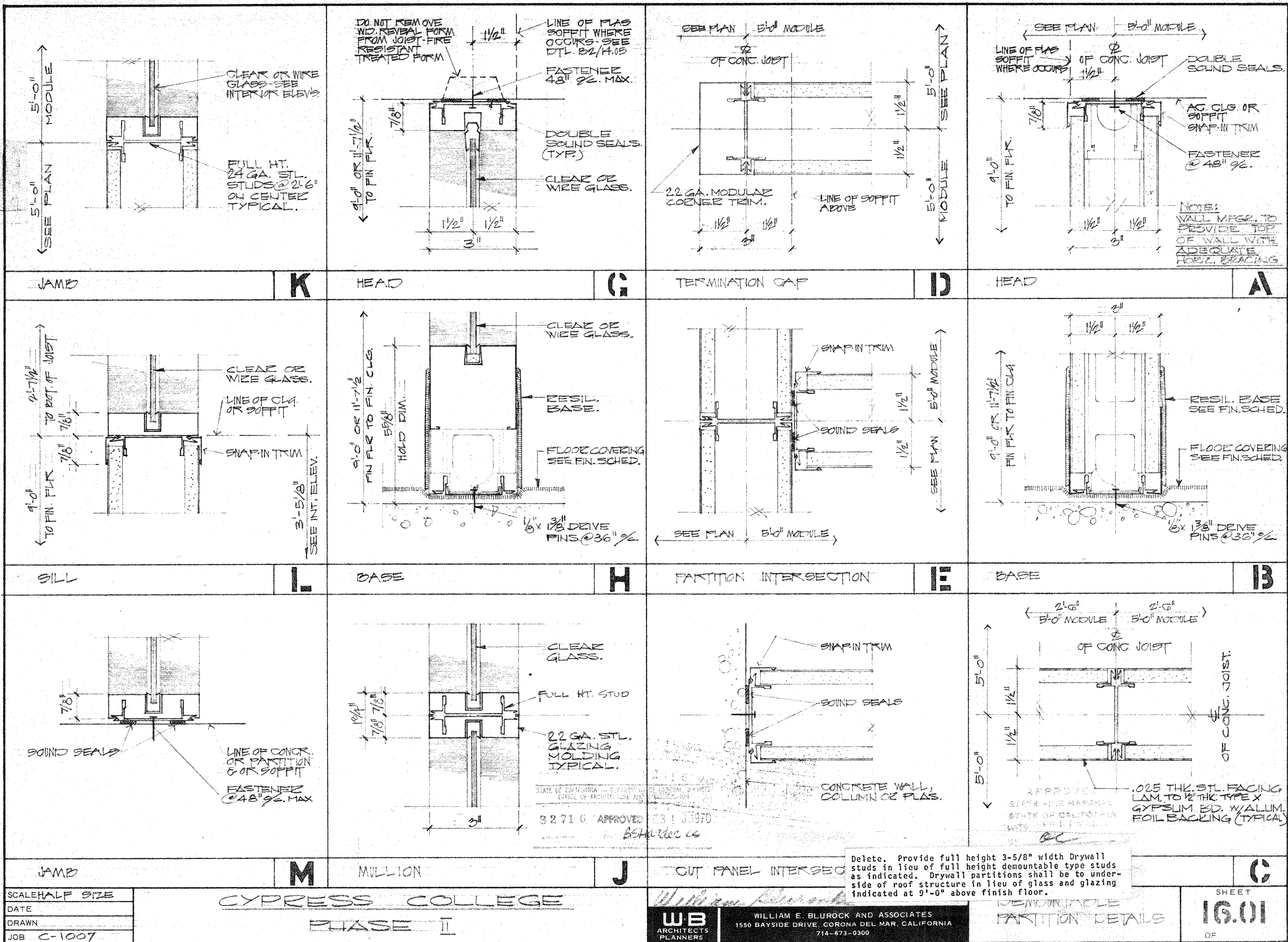
CEILING DETAILS  
 SHEET **14.07**  
 OF



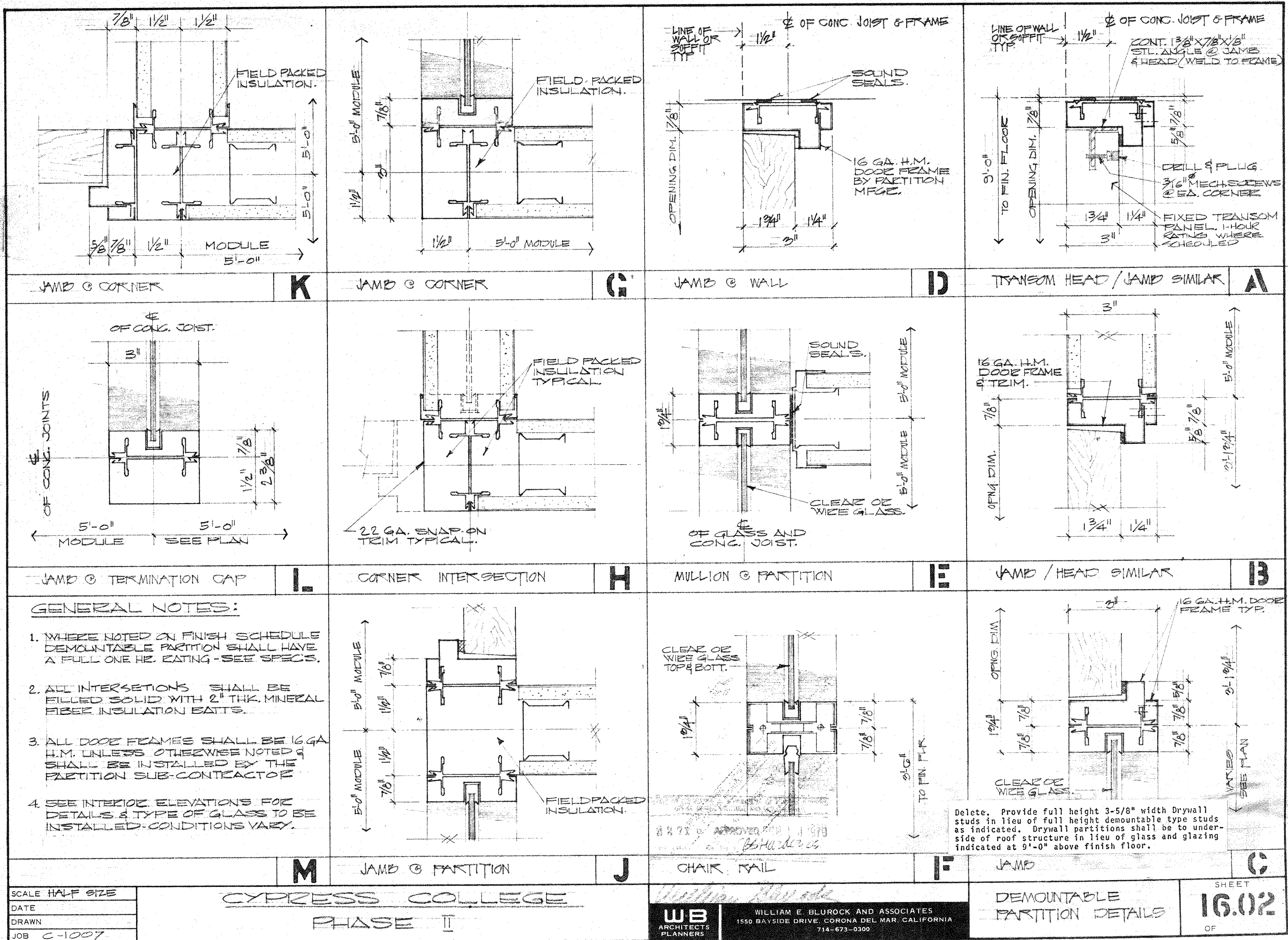
STATE OF CALIFORNIA - DEPARTMENT OF REVENUE  
OFFICE OF ARCHITECTURE AND CONSTRUCTION  
32716 APPROVED FEB 13 1970  
36 Hender co

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE 2/11/70  
BY [Signature]

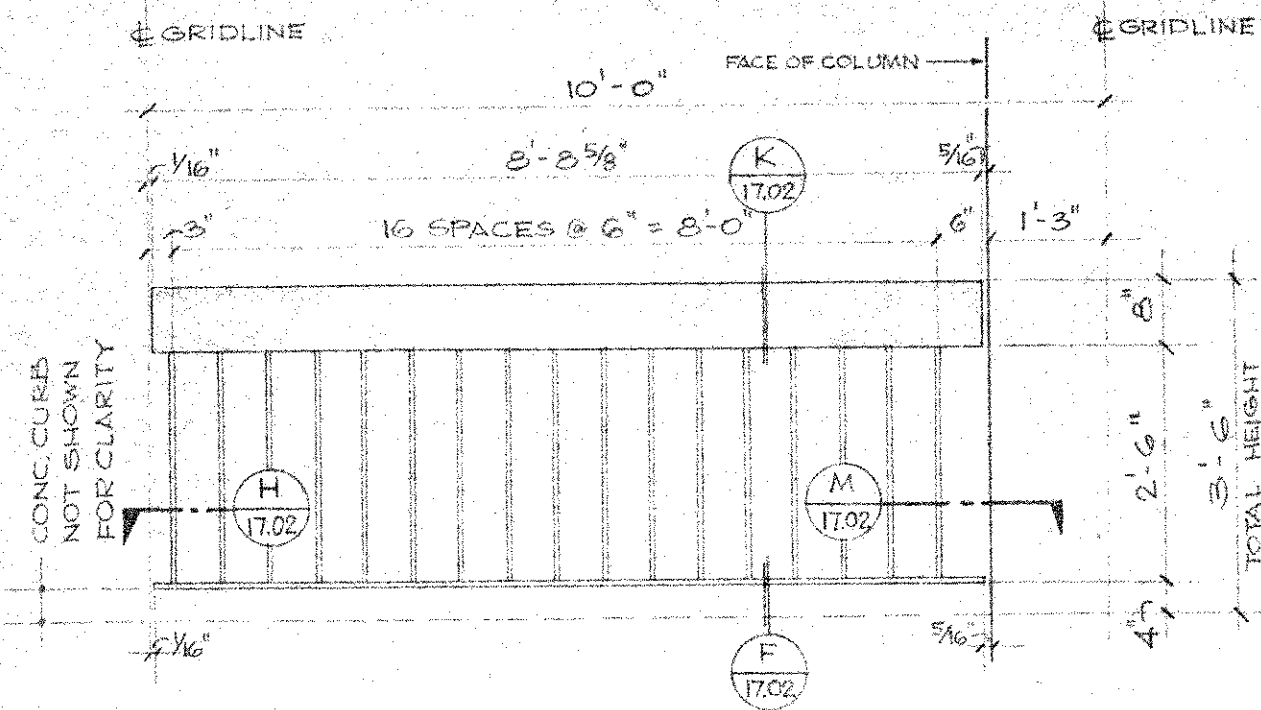




Delete. Provide full height 3-5/8" width Drywall studs in lieu of full height demountable type studs as indicated. Drywall partitions shall be to underside of roof structure in lieu of glass and glazing indicated at 9'-0" above finish floor.



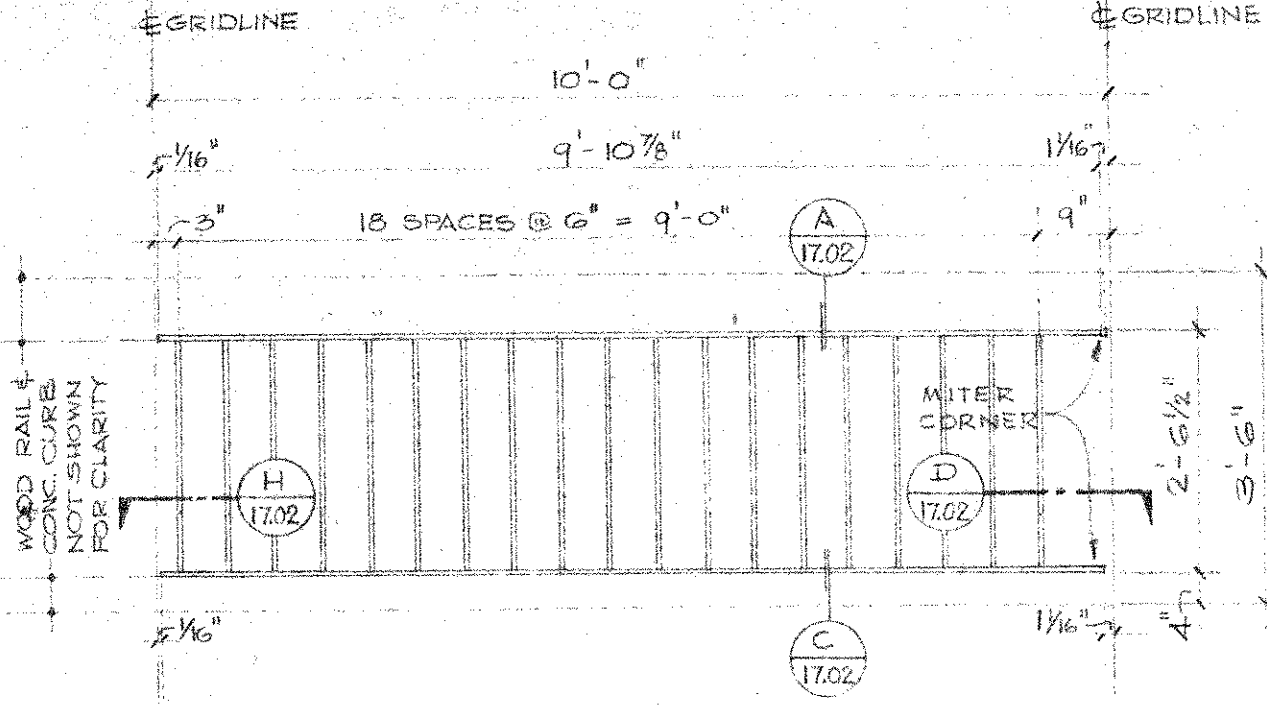




NOTE: UNIT TO BE GALVANIZED AFTER FABRICATION

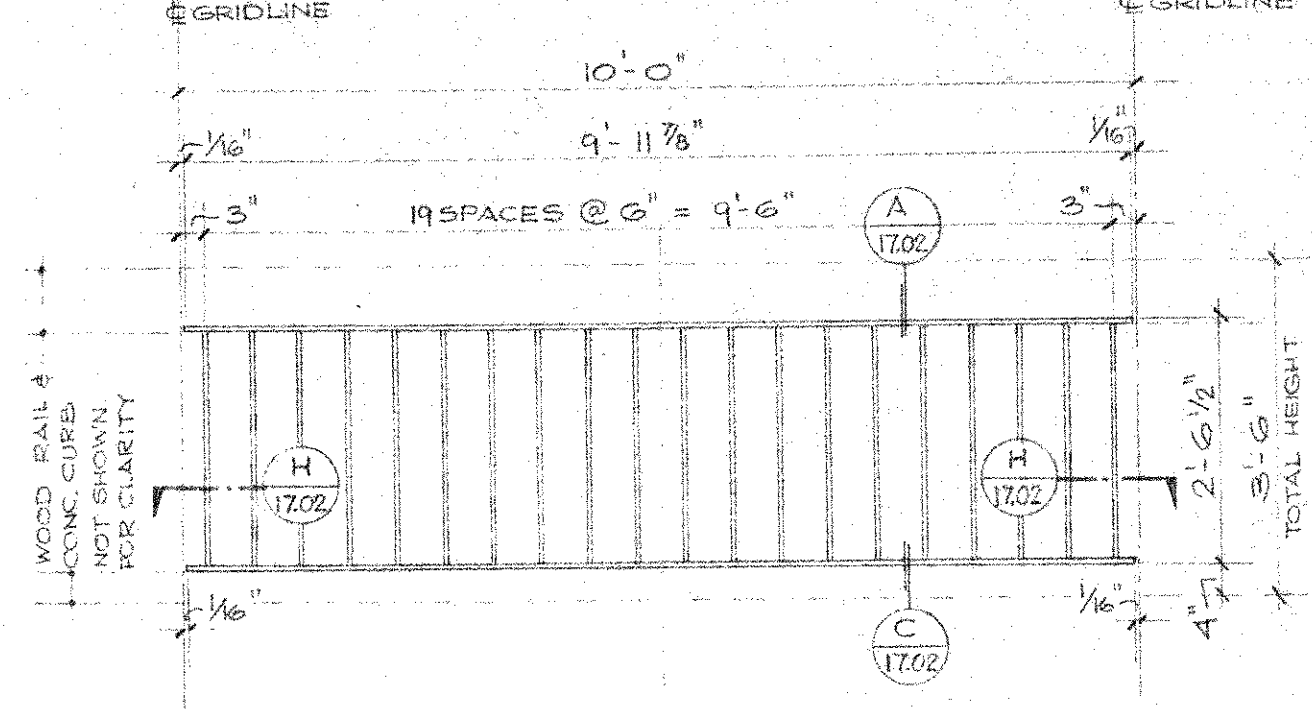
EXT. HANDRAIL UNIT

**C**



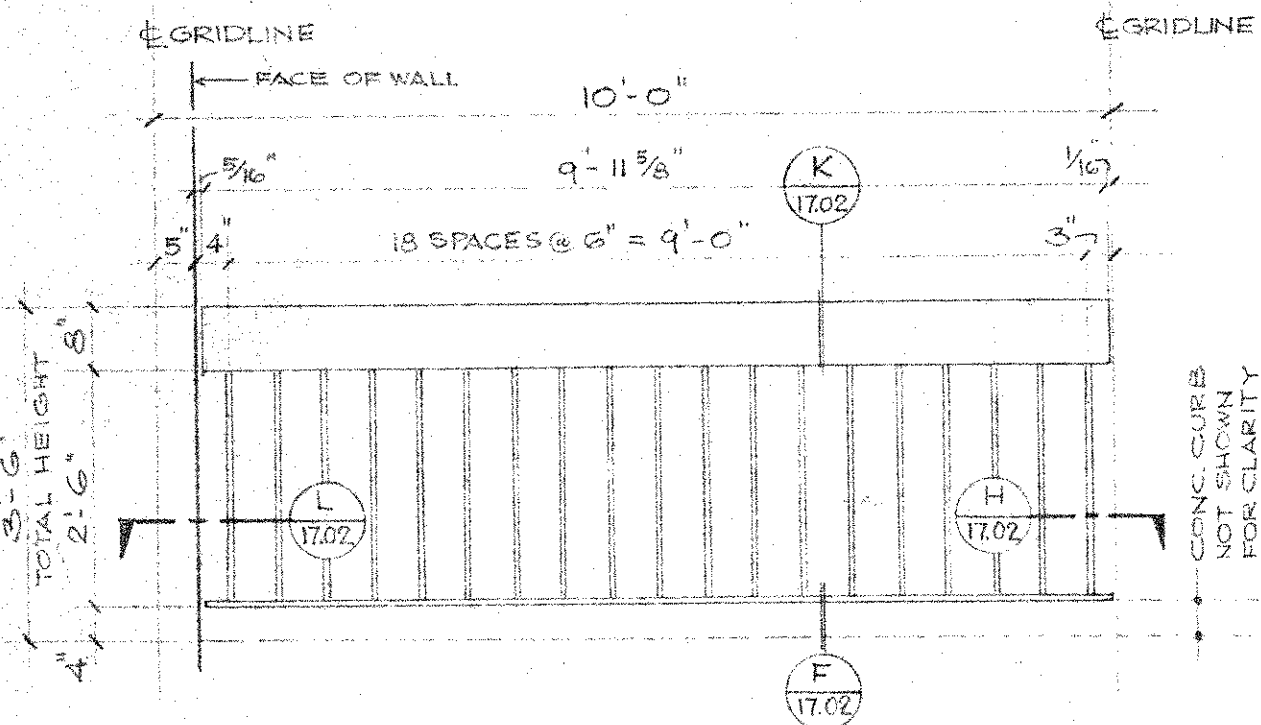
CORNER HANDRAIL UNIT

**D**



BASIC HANDRAIL UNIT

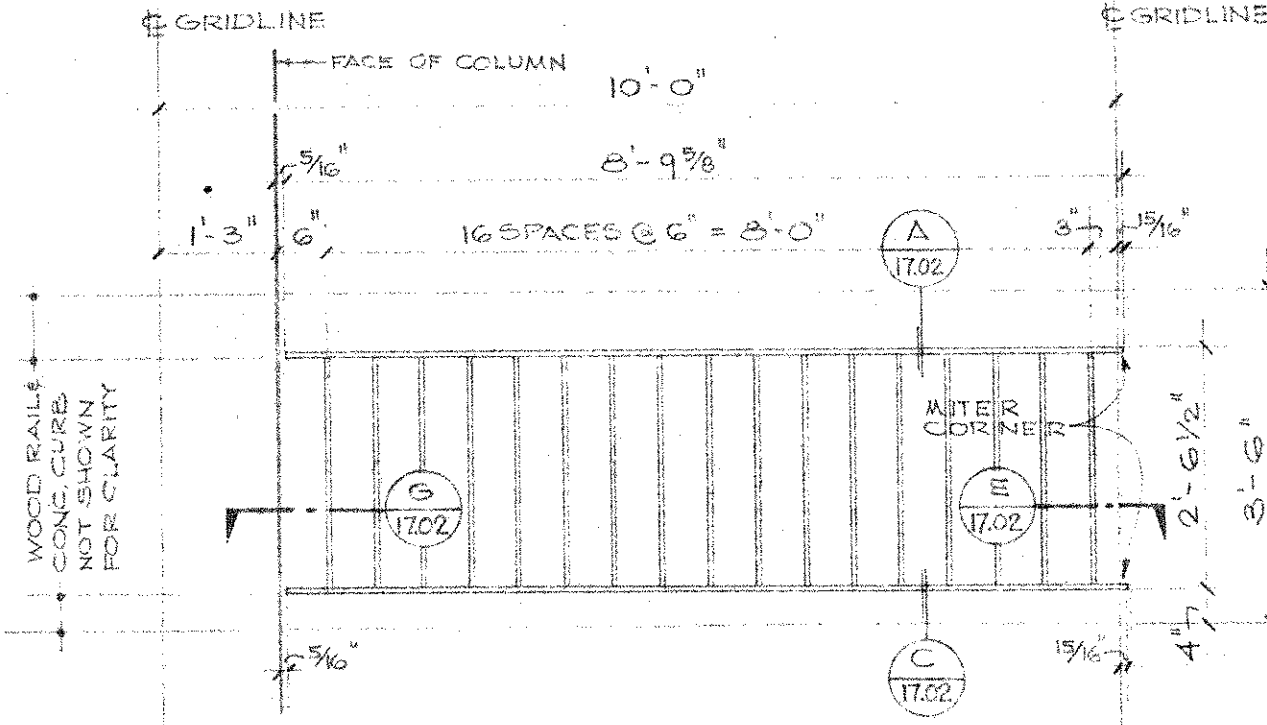
**A**



NOTE: UNIT TO BE GALVANIZED AFTER FABRICATION

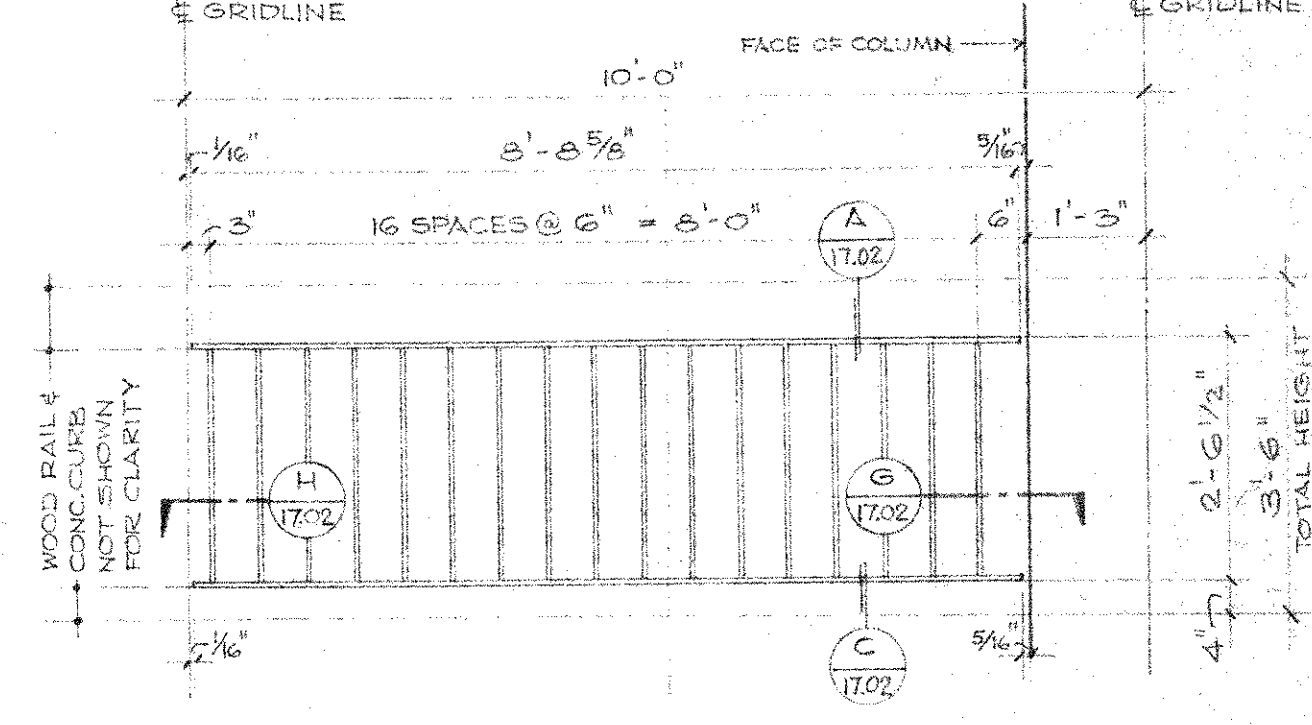
EXT. HANDRAIL UNIT

**H**



COLUMN-CORNER HANDRAIL UNIT

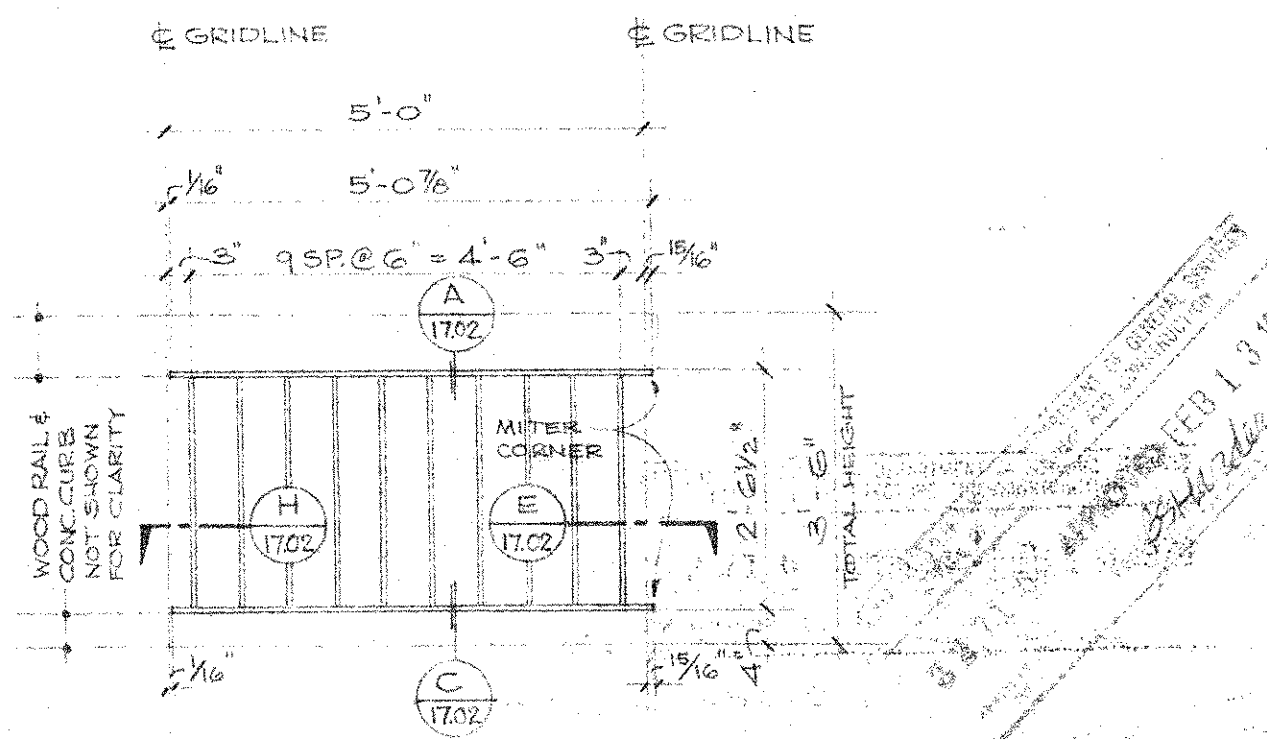
**E**



COLUMN HANDRAIL UNIT

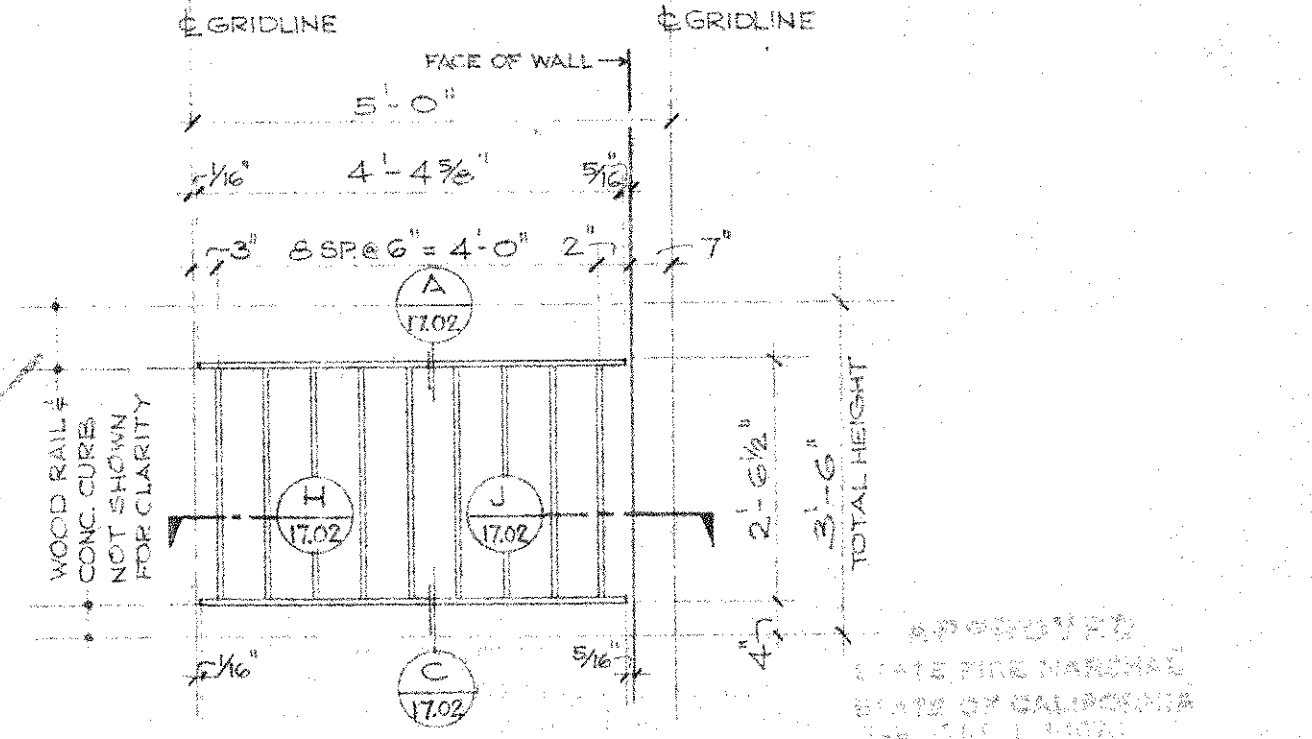
**B**

GENERAL NOTE:  
VERIFY ALL DIMENSIONS  
IN FIELD



CORNER HANDRAIL UNIT

**F**



WALL HANDRAIL UNIT

**C**

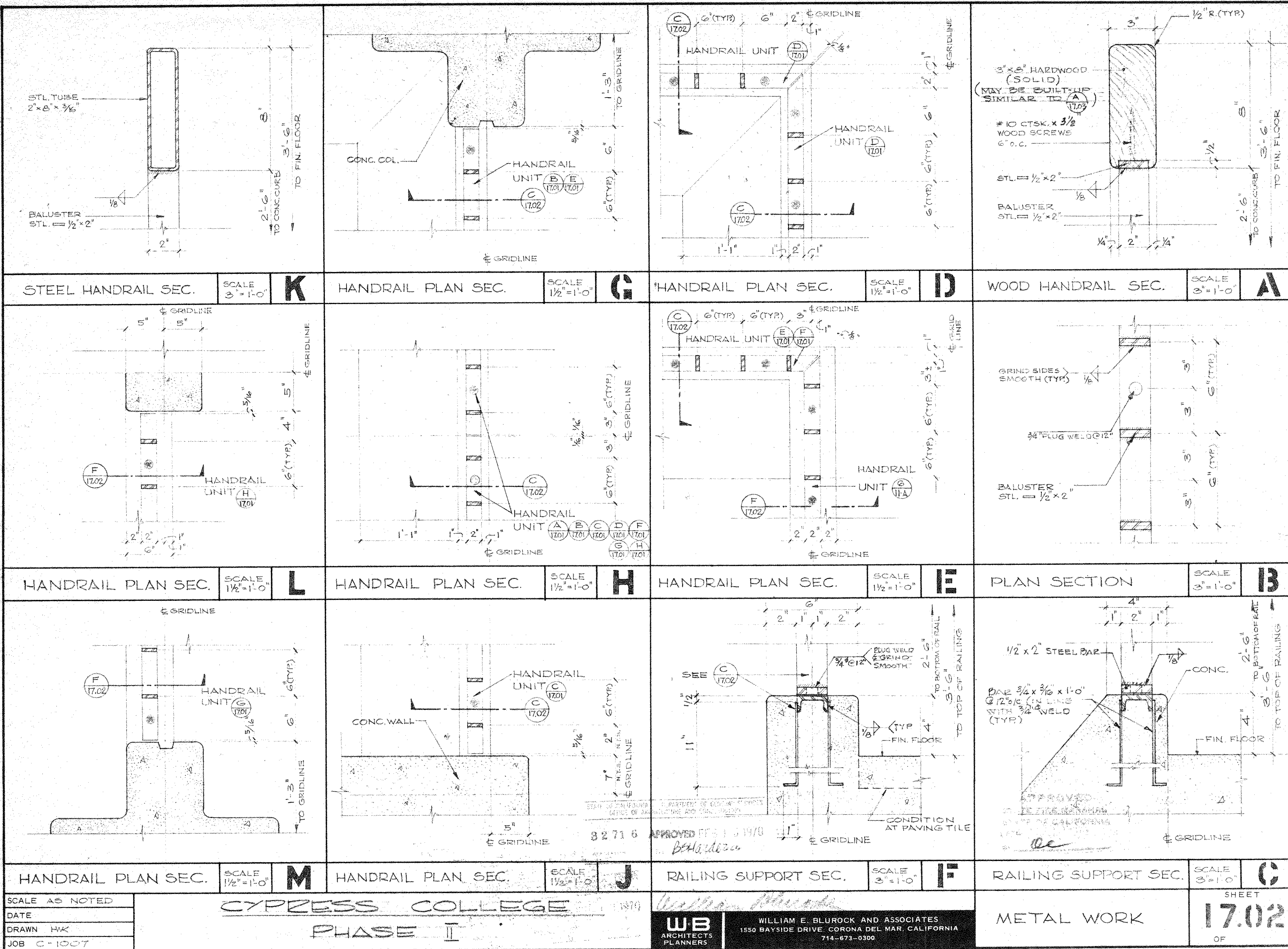
SCALE 1/2" = 1'-0"  
DATE  
DRAWN HWK  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

METAL WORK

SHEET  
17.01  
OF



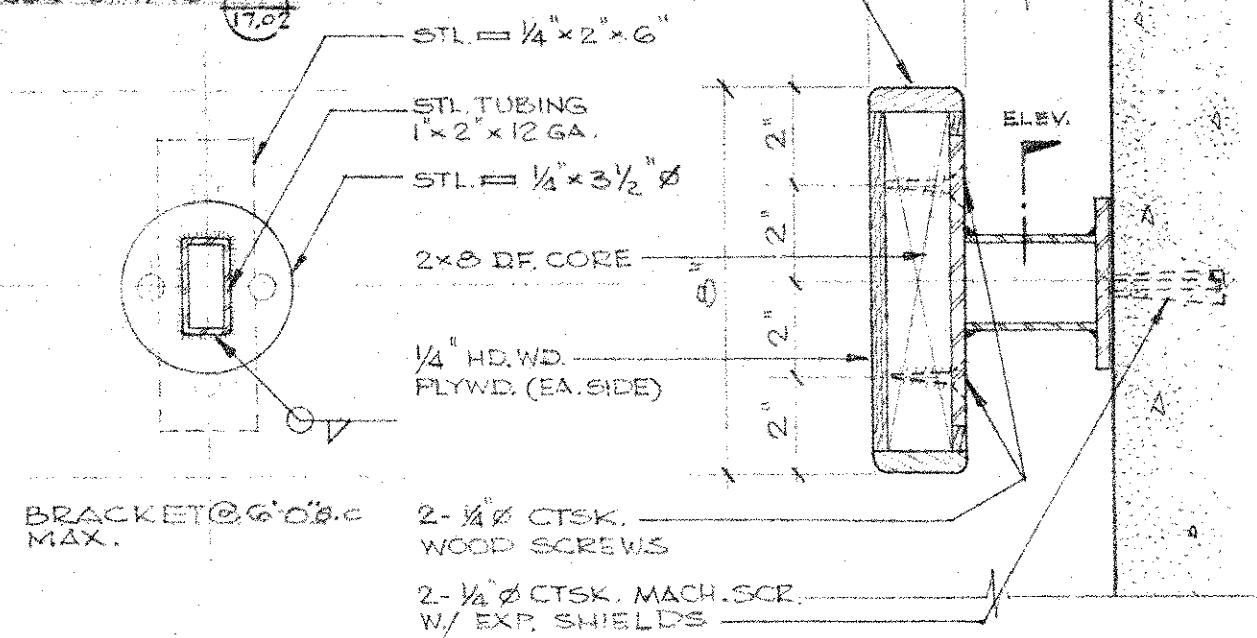
SCALE AS NOTED  
DATE  
DRAWN HWK  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

W.B. ARCHITECTS PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

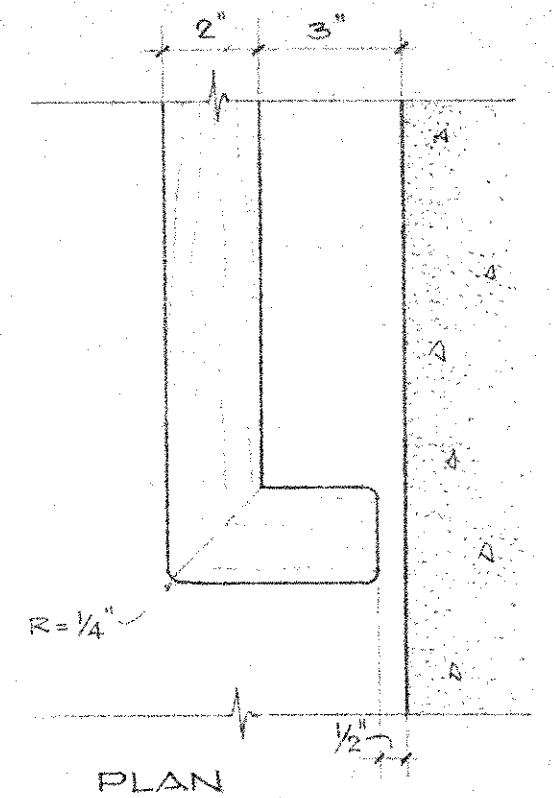
METAL WORK  
SHEET 17.02  
OF

NOTE: CONTRACTOR  
MAY MAKE HANDRAIL  
FROM SOLID HDWD.  
STOCK SIM. TO



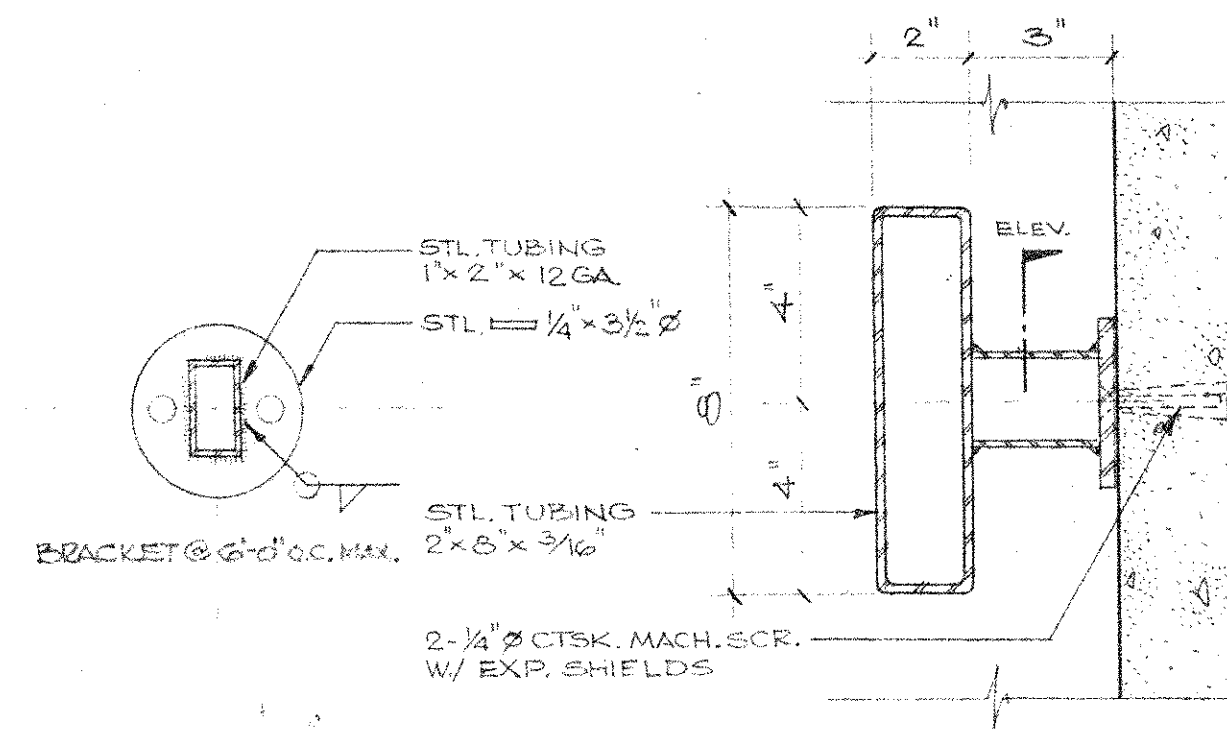
ELEVATION

SECTION



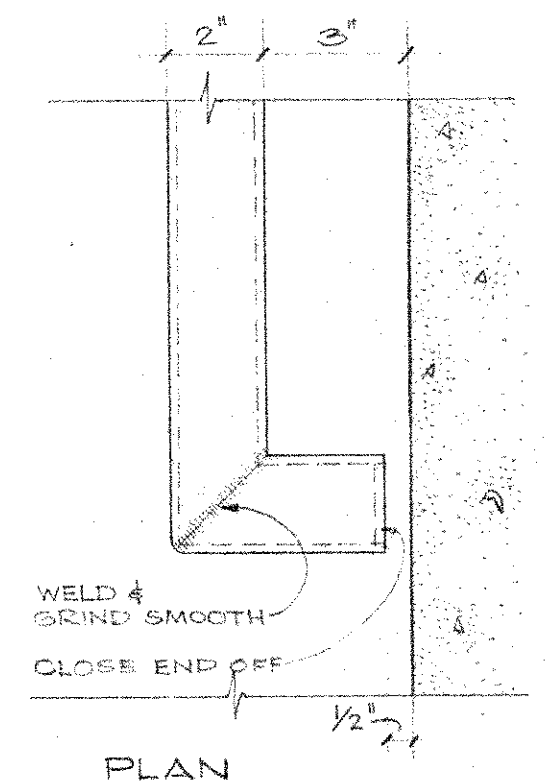
PLAN

### WOOD HANDRAIL



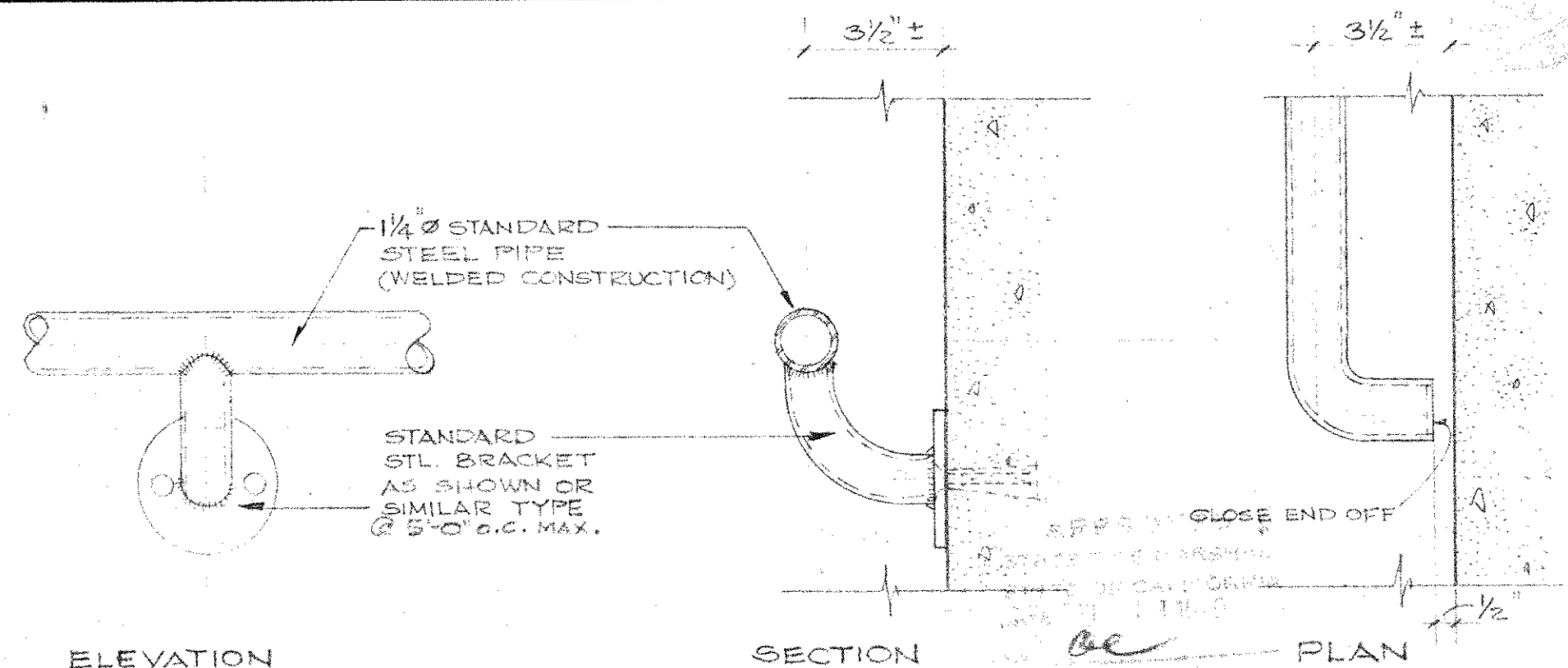
ELEVATION

SECTION



PLAN

### STEEL TUBING HANDRAIL



ELEVATION

SECTION

PLAN

### STEEL PIPE HANDRAIL

SCALE 3" = 1'-0"  
DATE  
DRAWN HWC  
JOB C-1007

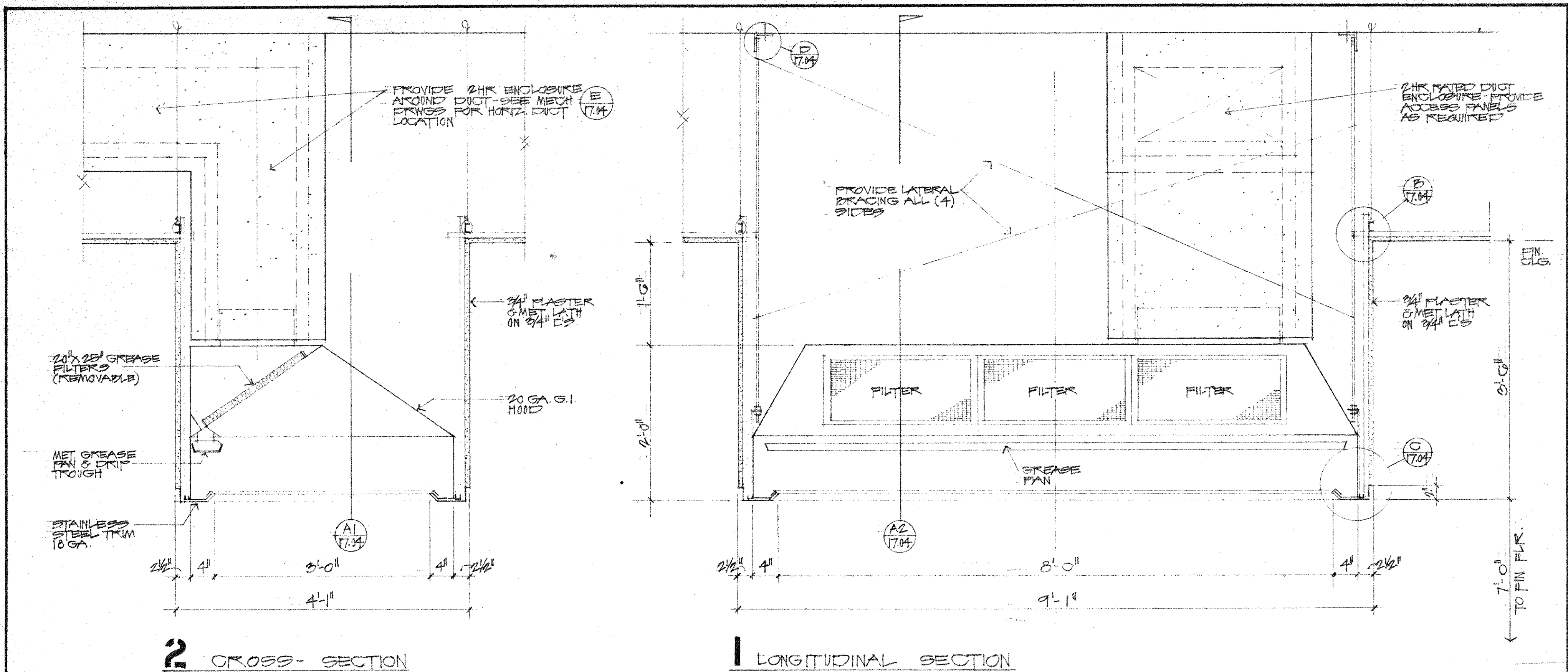
CYPRESS COLLEGE  
PHASE II

William E. Blurock  
WB ARCHITECTS PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

METAL WORK

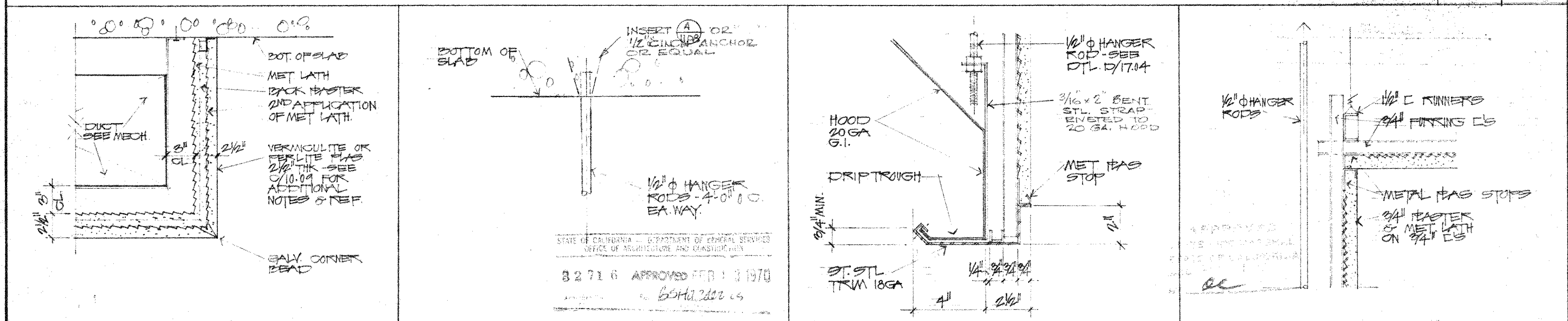
SHEET  
17.03  
OF



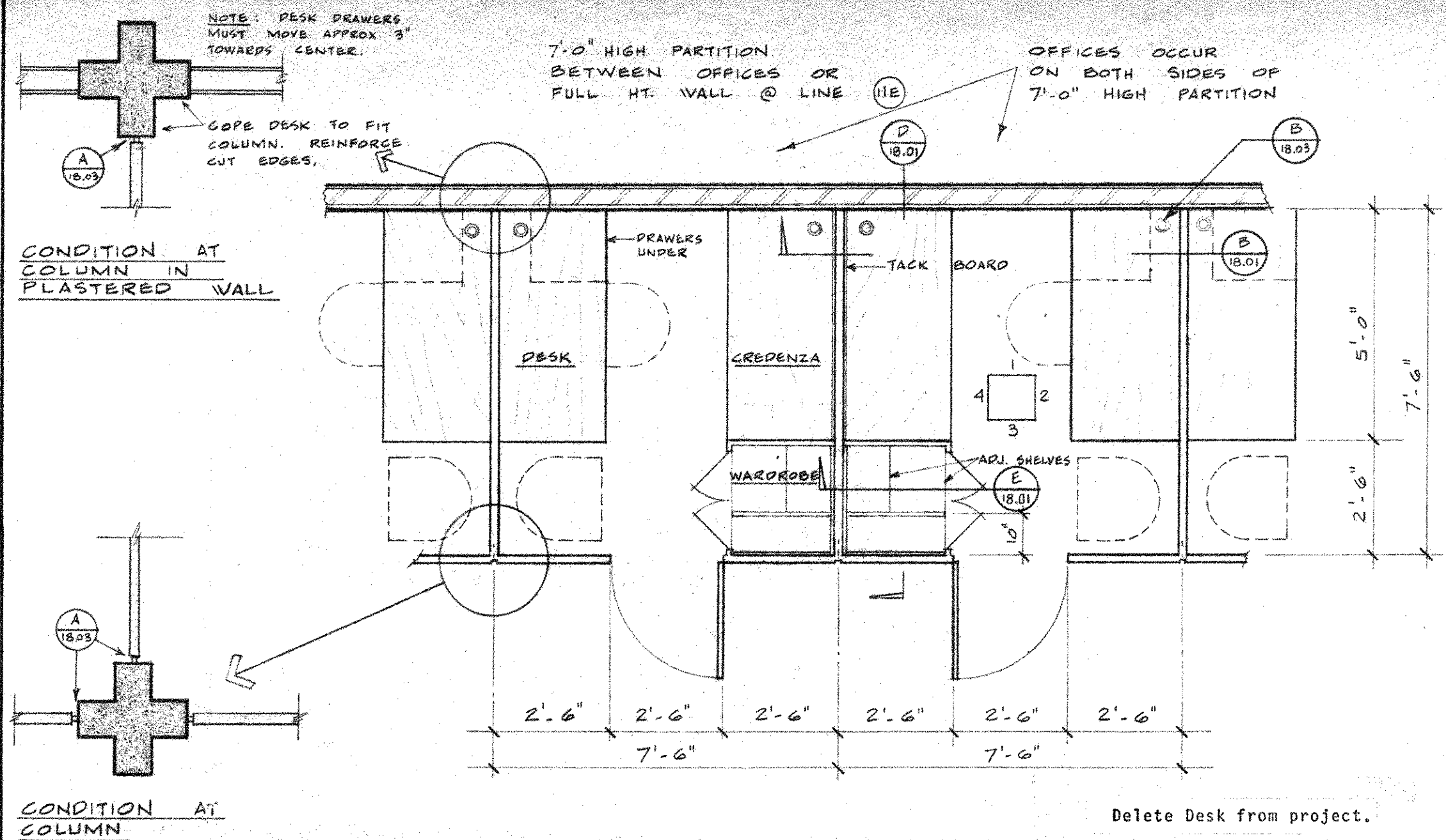


SECTIONS - KITCHEN HOOD

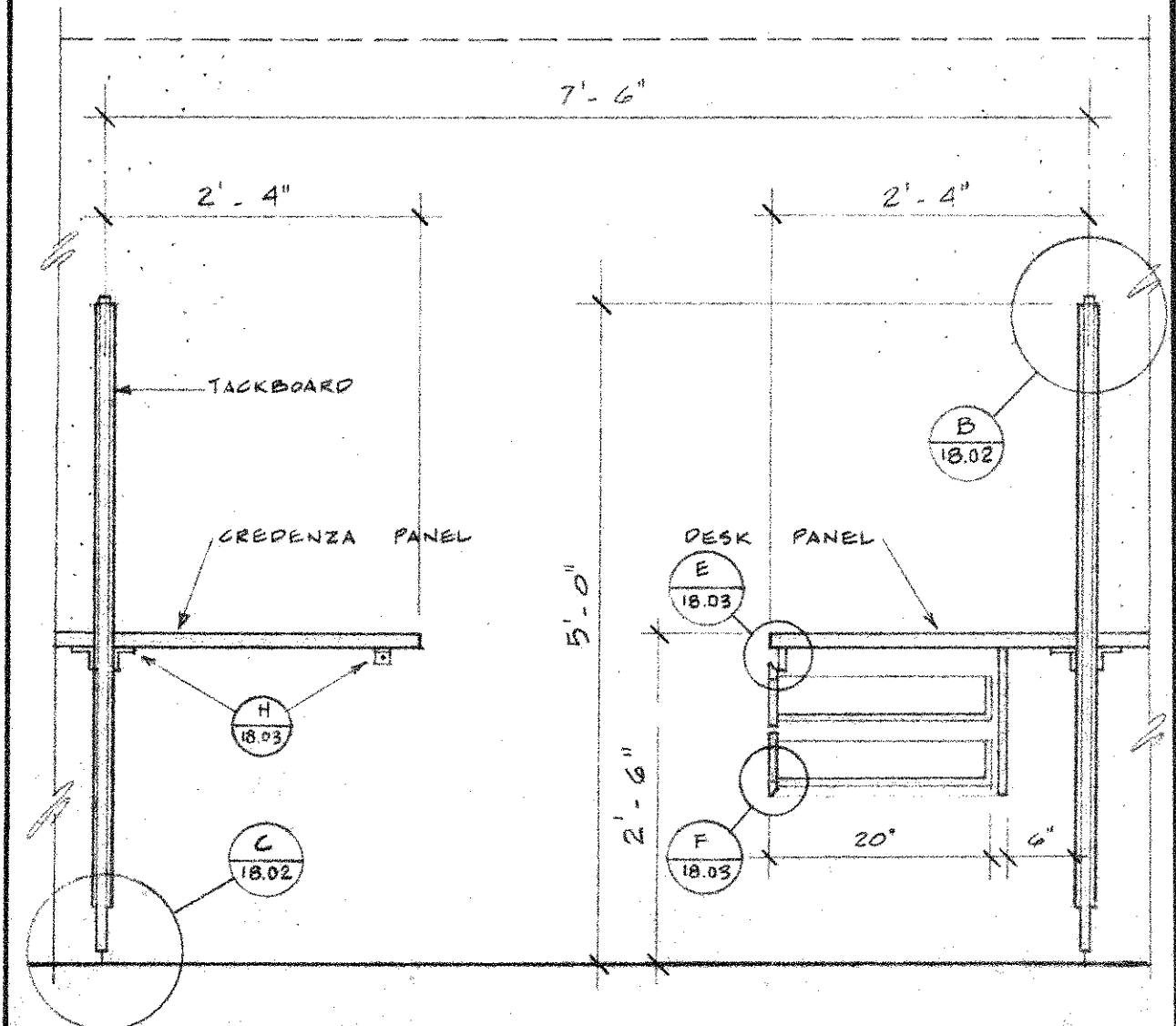
SCALE 3/4" = 1'-0" A



PARTIAL SECTION THRU 2HR DUCT ENCLOSURE	SCALE 1/2" = 1'-0"	E	HOOD SUPPORT	SCALE 3/4" = 1'-0"	D	HOOD DETAIL	SCALE 3/4" = 1'-0"	C	PLASTER SOFFIT	SCALE 3/4" = 1'-0"	B
SCALE AS NOTED	CYPRESS COLLEGE					METAL WORK					SHEET
DATE	PHASE II					17.04					OF
DRAWN VON SUND	WILLIAM E. BLUROCK AND ASSOCIATES					1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA					
JOB C-1007	ARCHITECTS PLANNERS					714-673-0300					

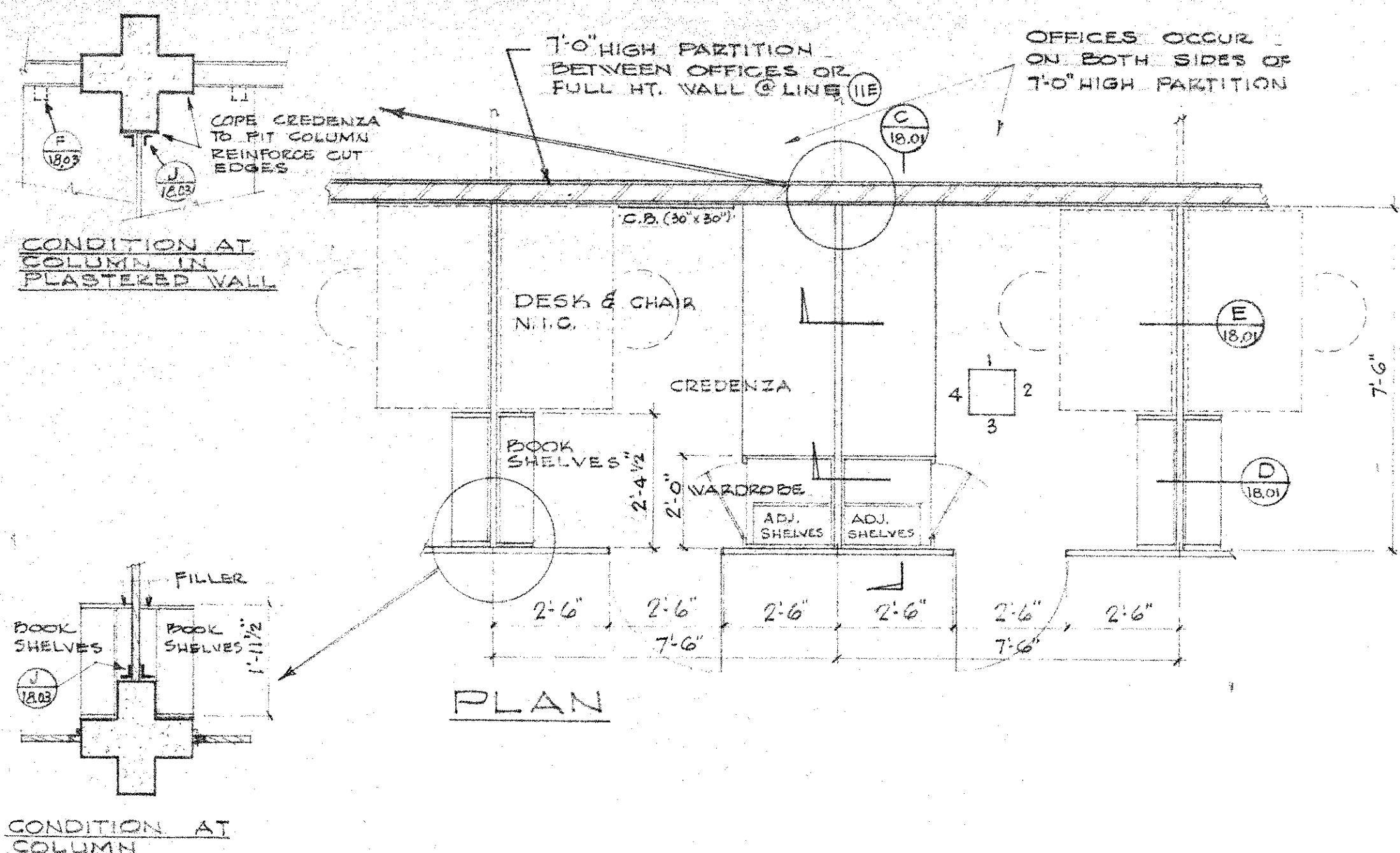


$3/8" = 1.0"$	A
---------------	---



$3/4" = 1'-0"$	B
----------------	---

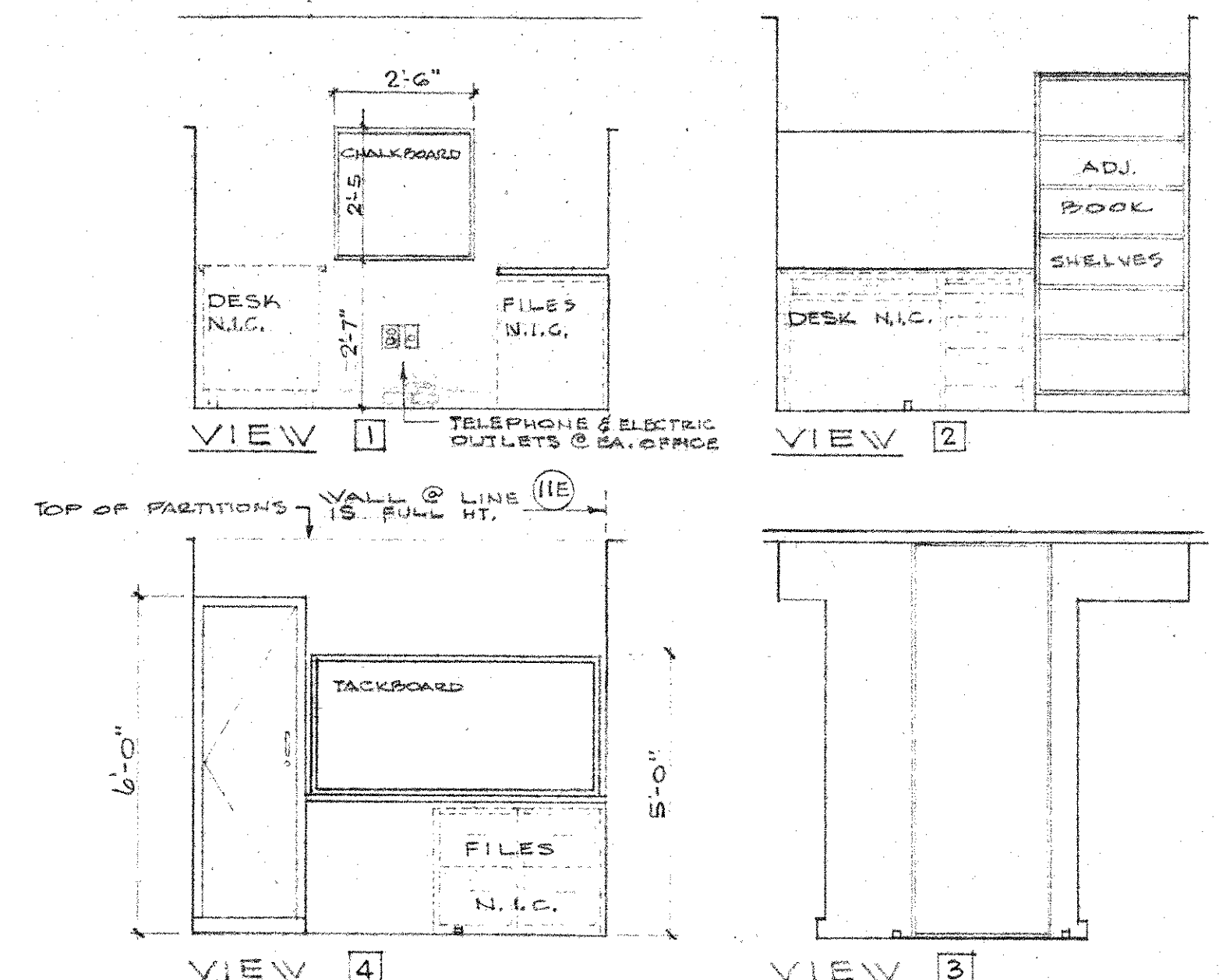




FLOOR PLAN

3/8" = 1'-0"

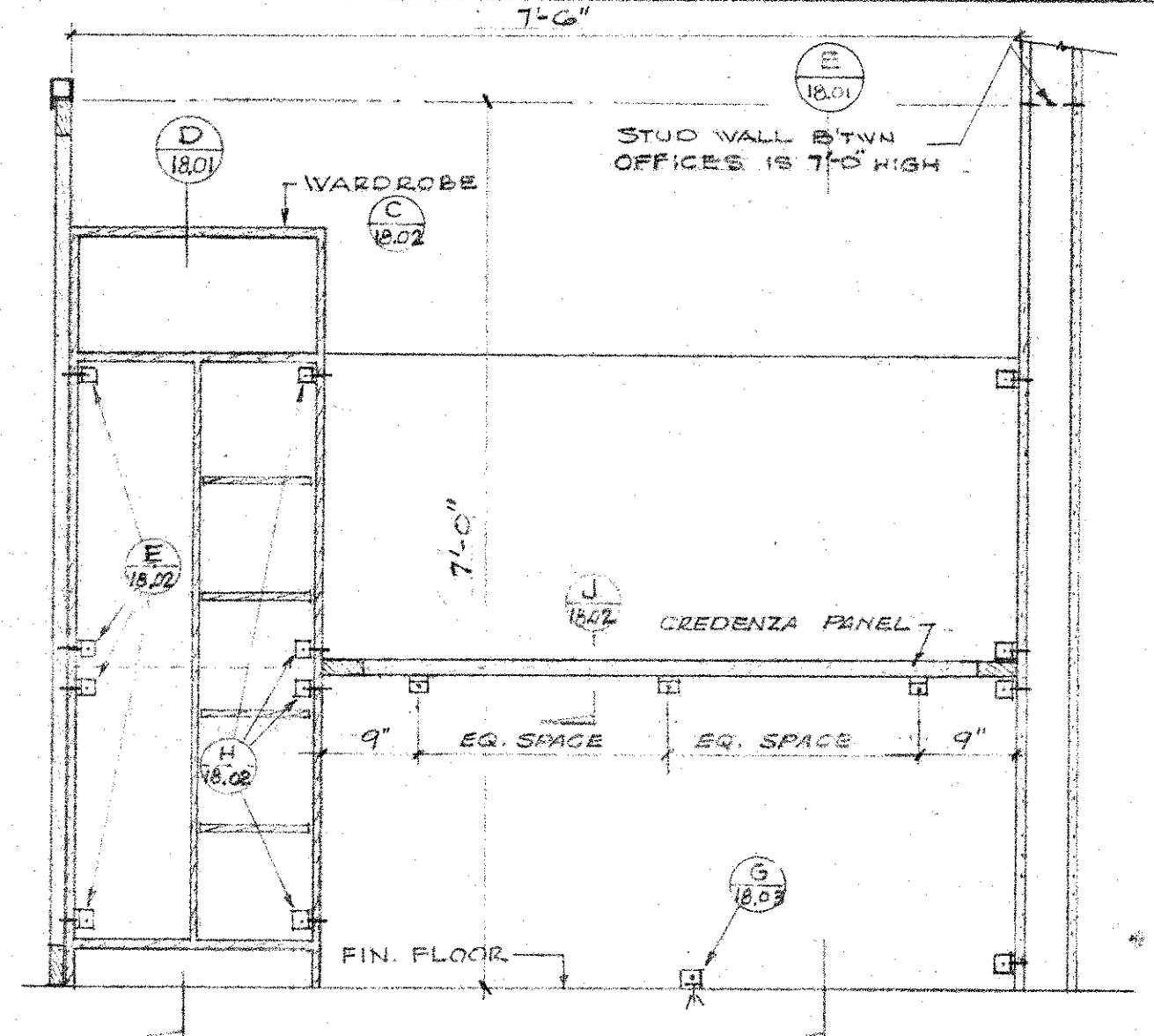
A



OFFICE INTERIORS

3/8" = 1'-0"

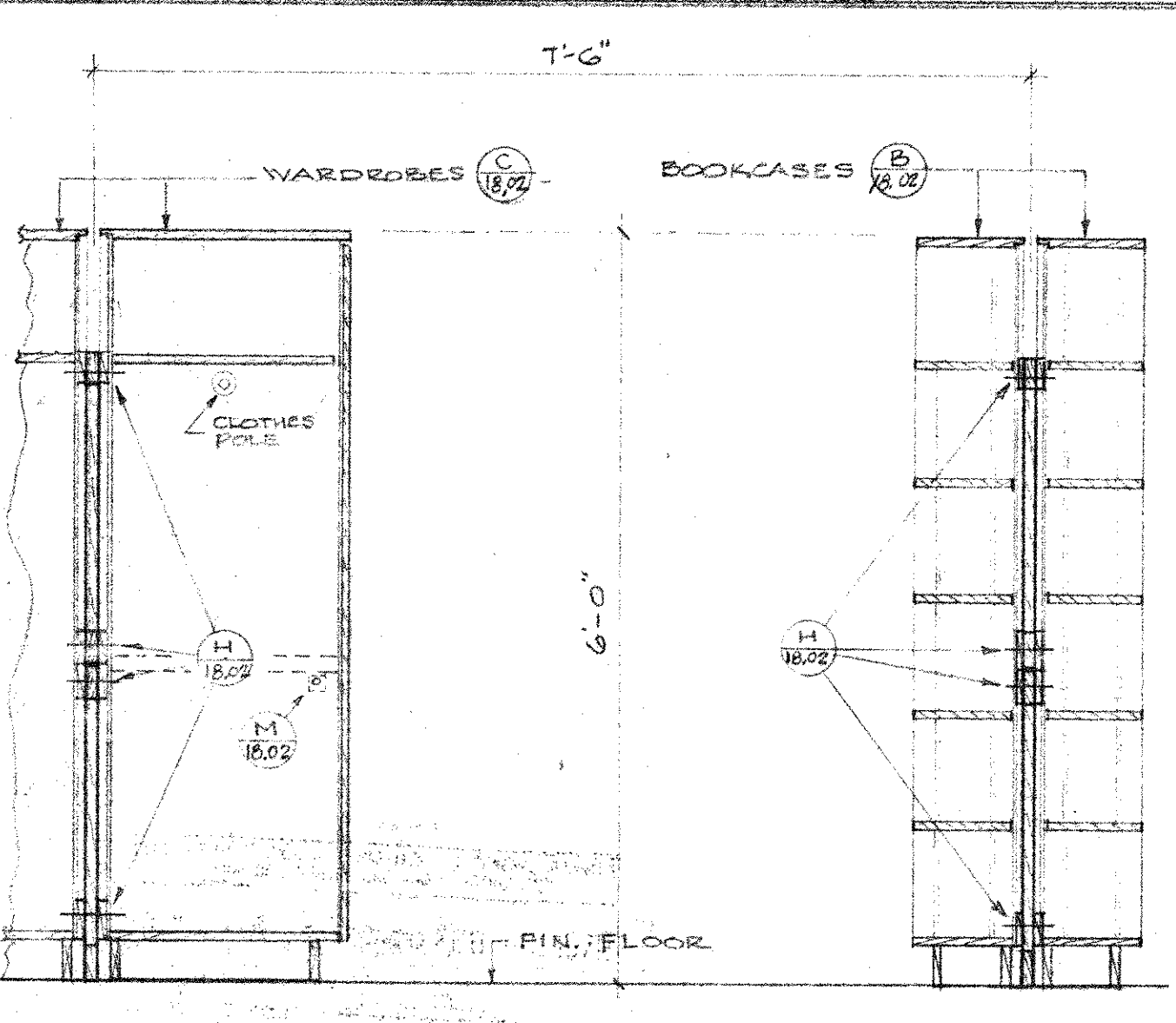
B



SECTION

3/4" = 1'-0"

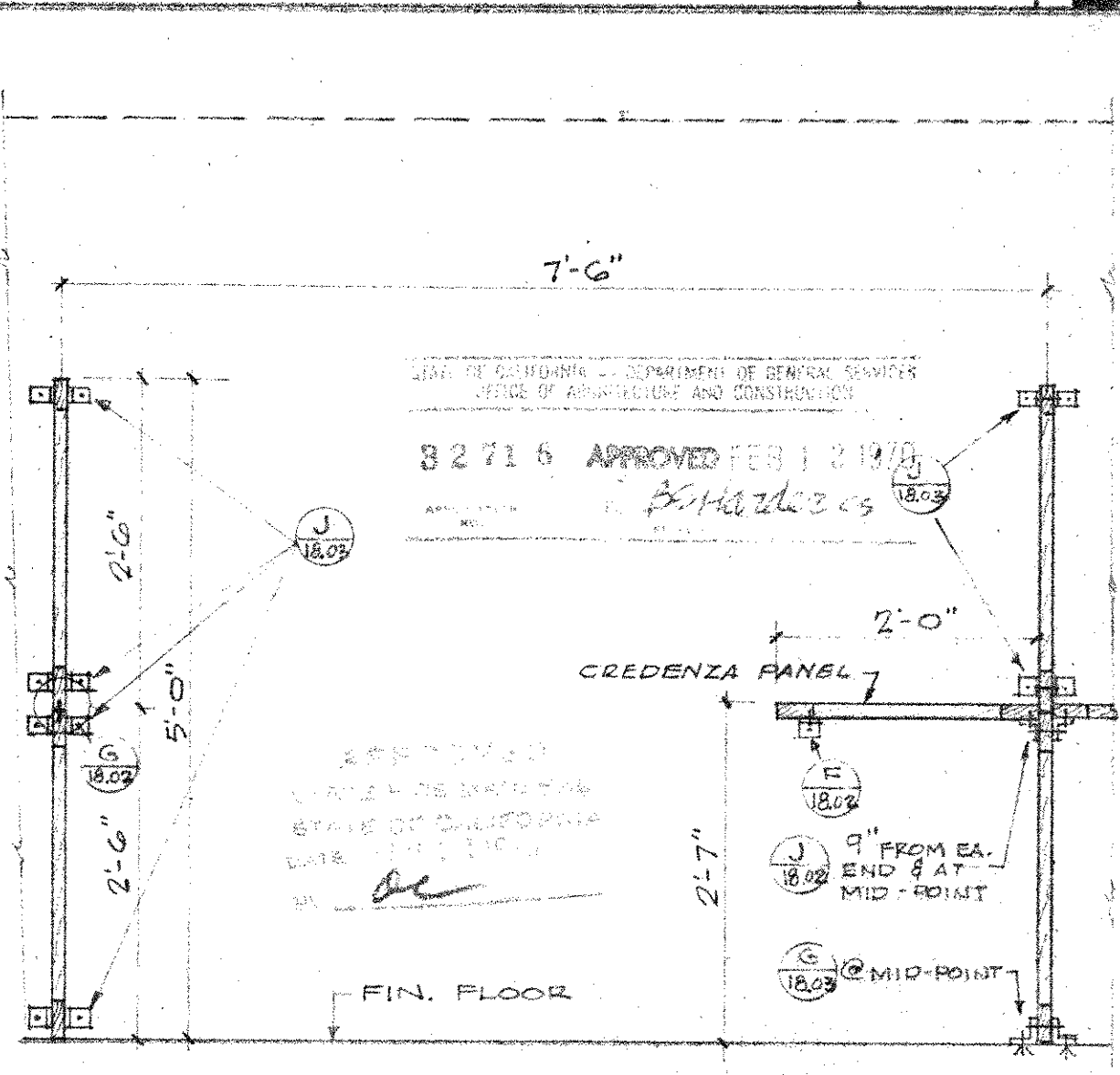
C



SECTION

3/4" = 1'-0"

D



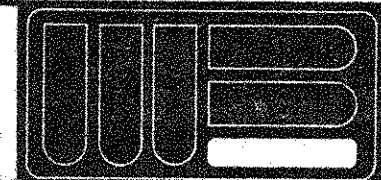
SECTION

3/4" = 1'-0"

E

SCALE	
DATE	
DRAWN	
JOB C-1007	

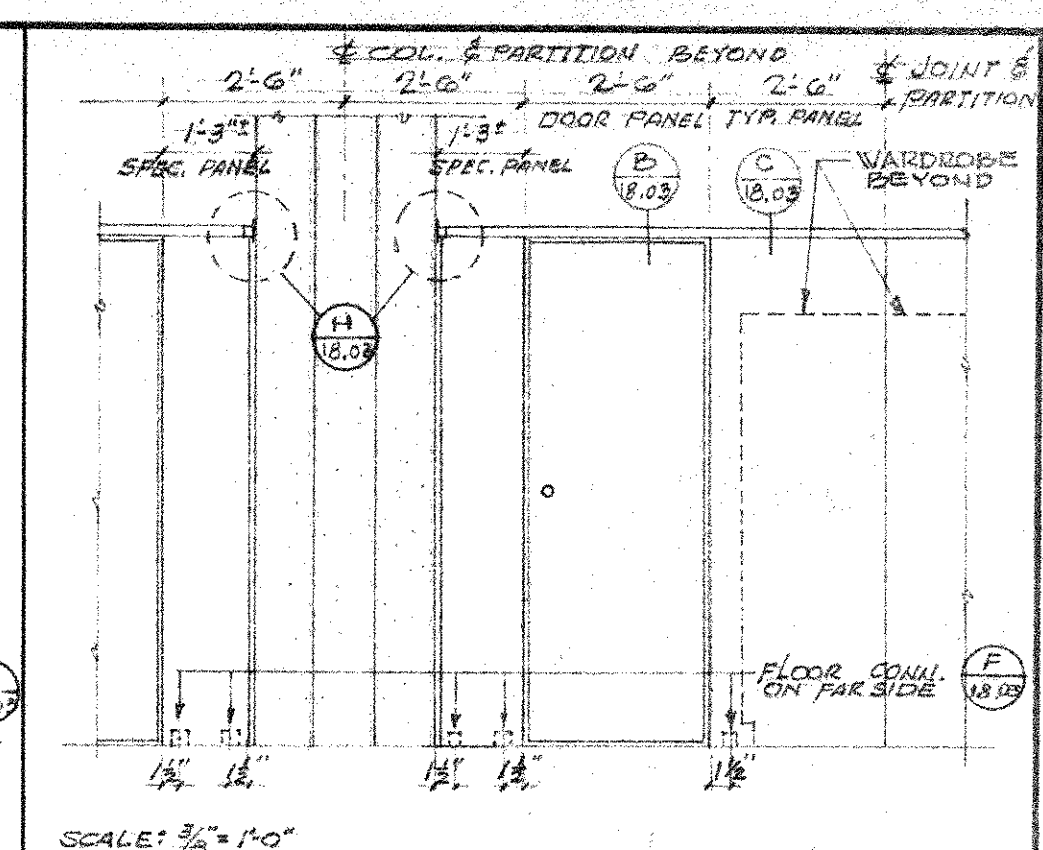
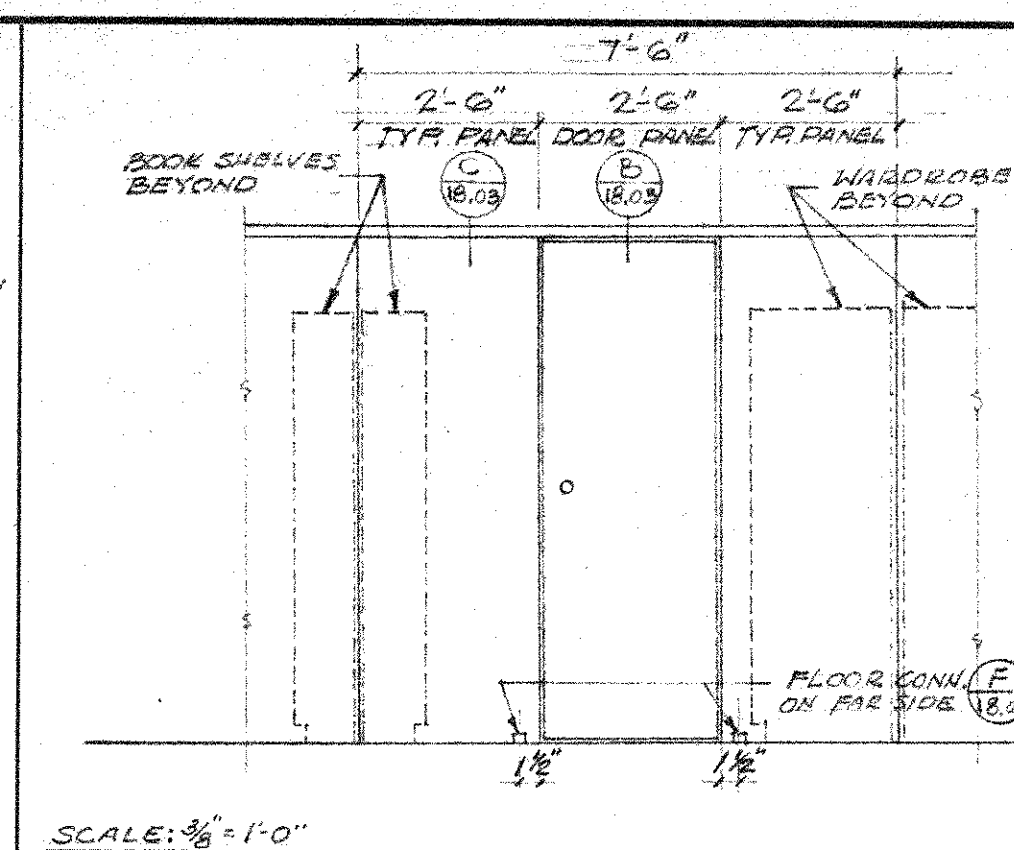
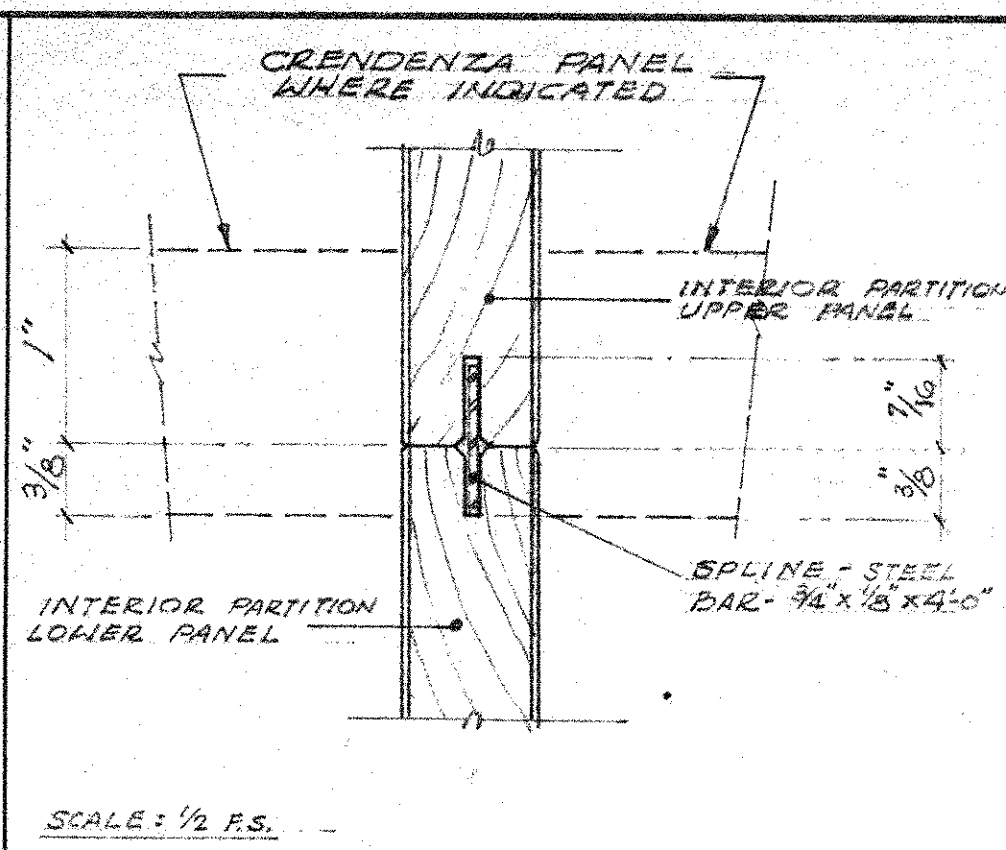
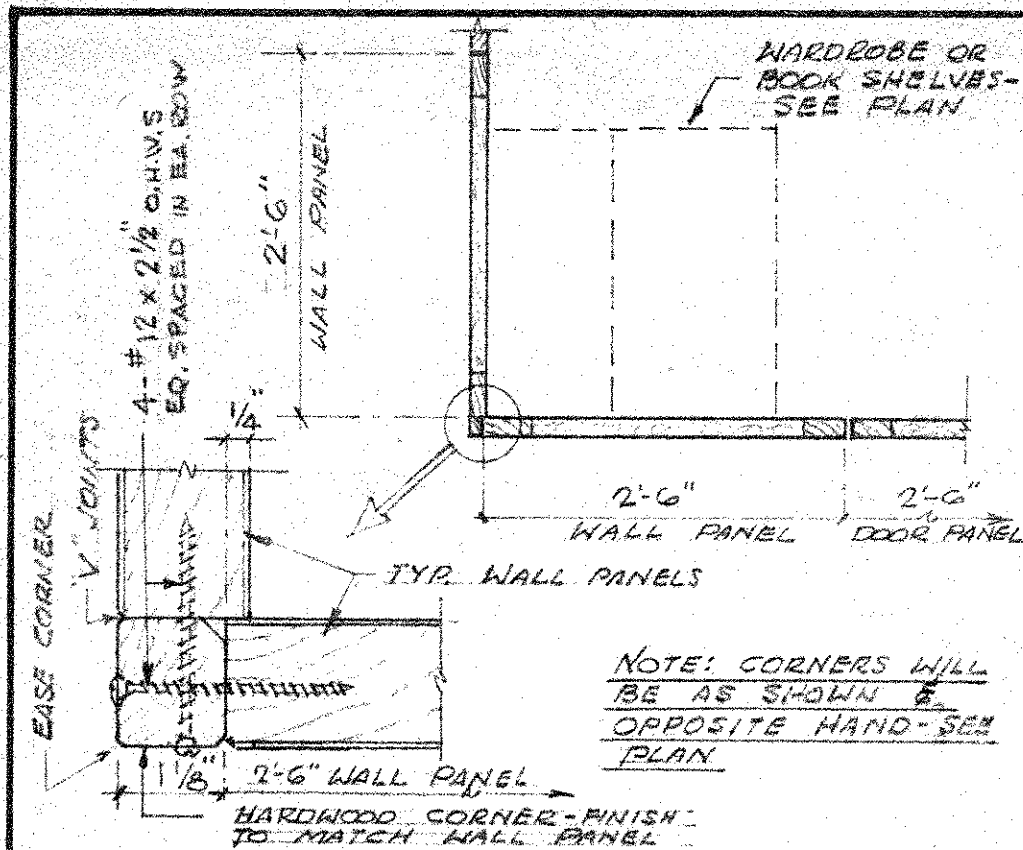
CYPRESS COLLEGE  
PHASE II



william blurock & partners  
architects planners  
1550 bayview drive / po. box 577 / 714 673-0300  
corona del mar / california 92625

OFFICE  
CUBICLES

SHEET  
18.01  
OF SHEETS

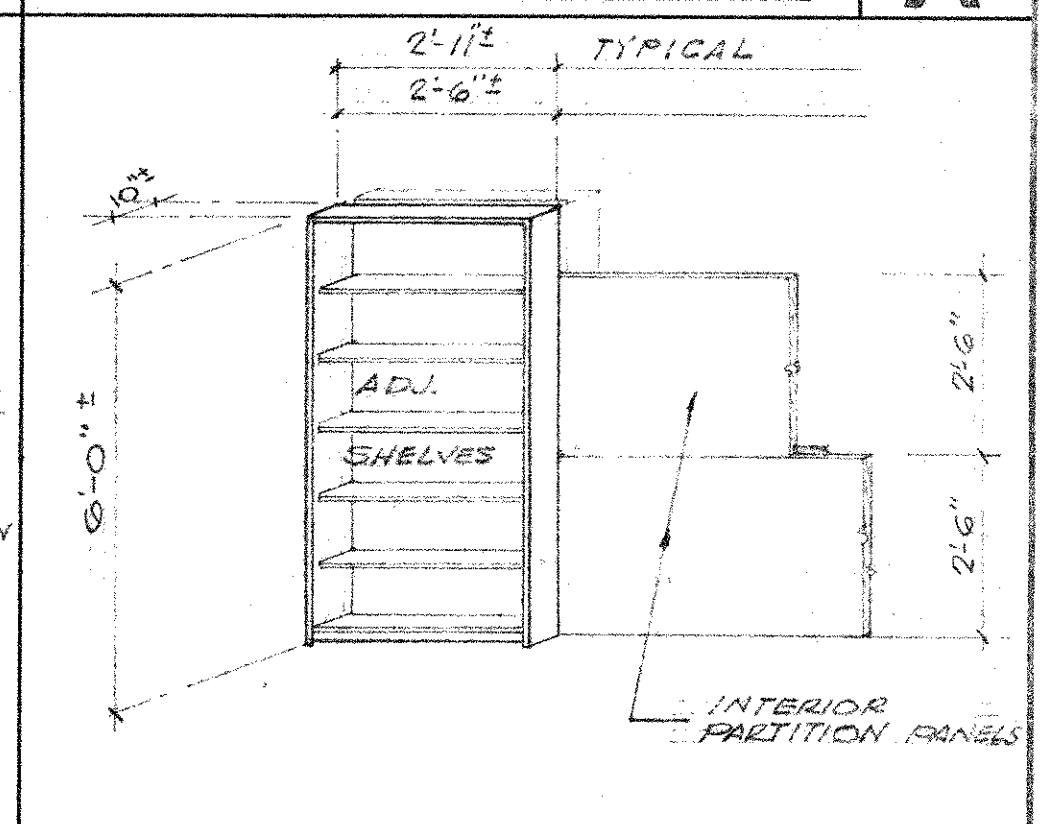
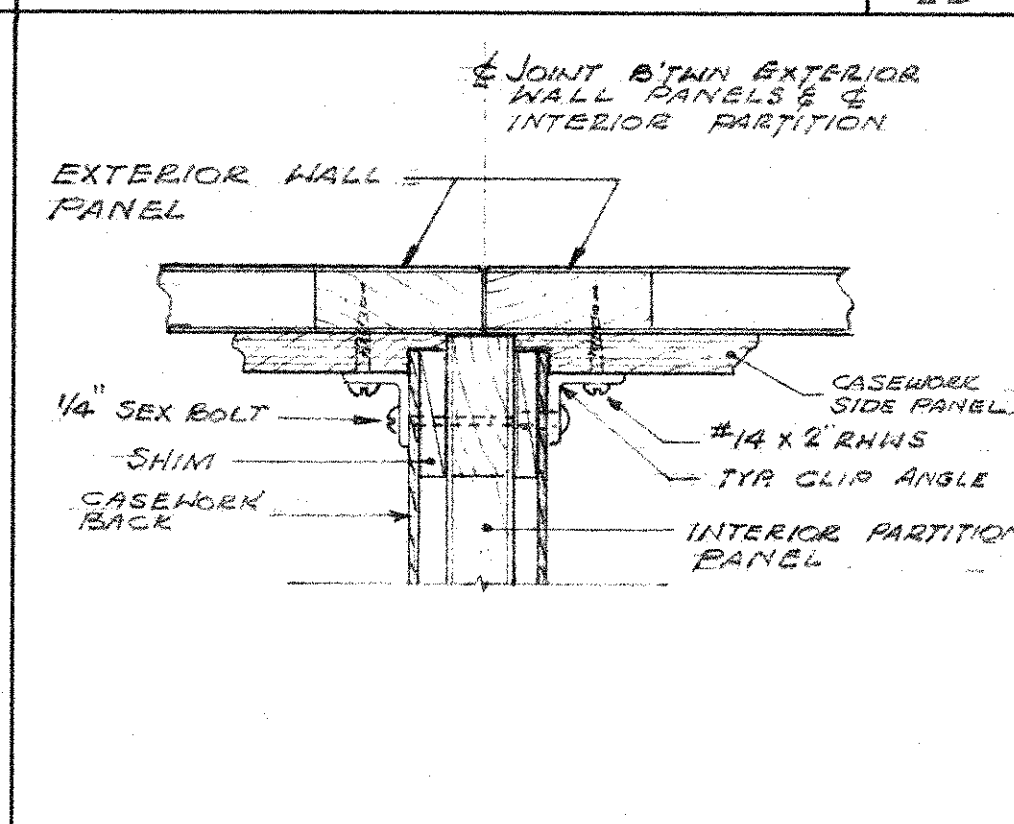
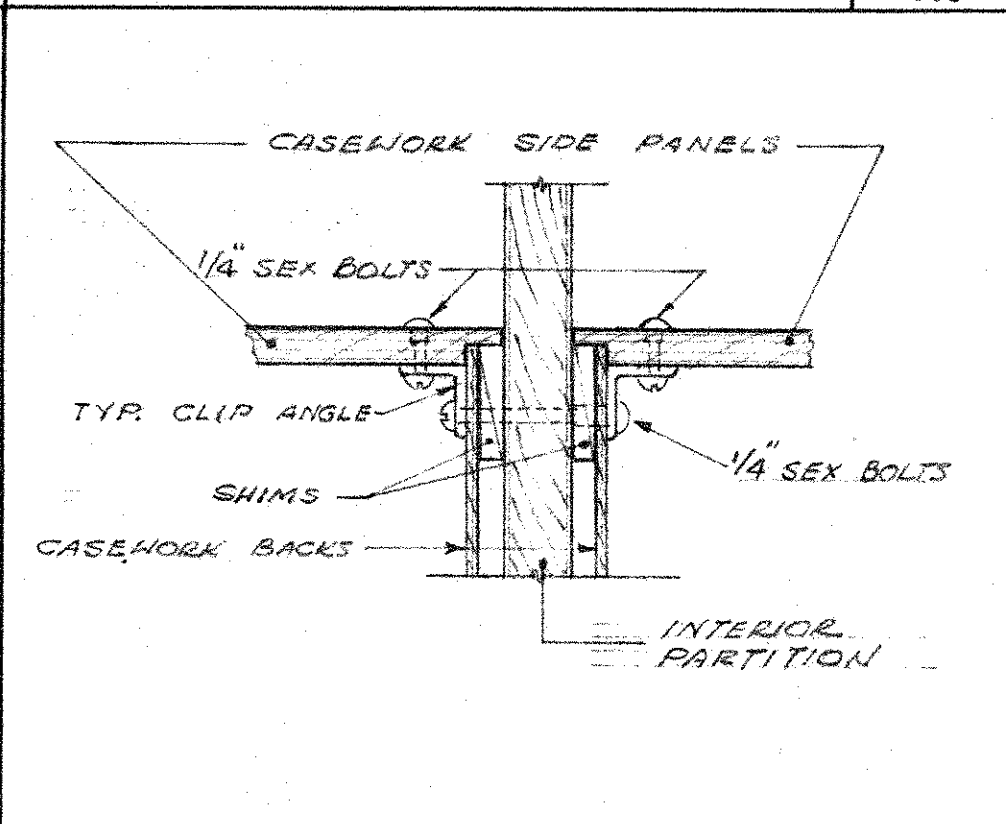
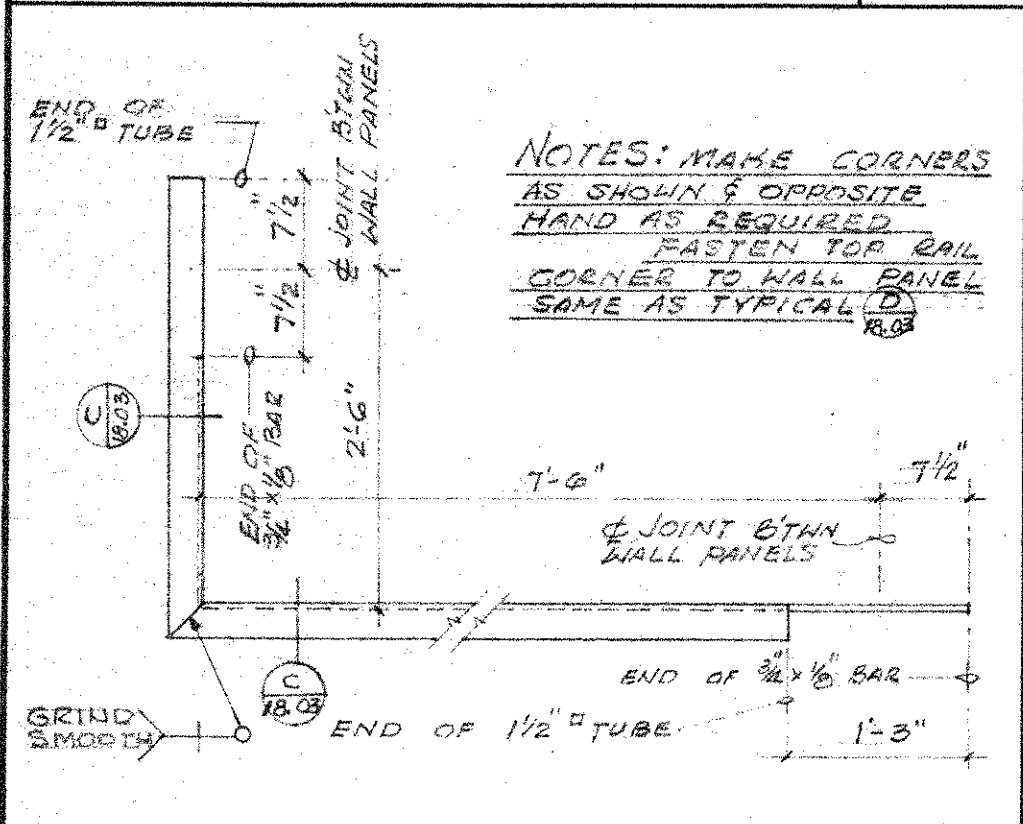


TYPICAL CORNER **K**

SPLINE & INTERIOR PARTITION **G**

TYPICAL EXTERIOR ELEVATION **D**

EXTERIOR ELEVATION & COLUMN **A**

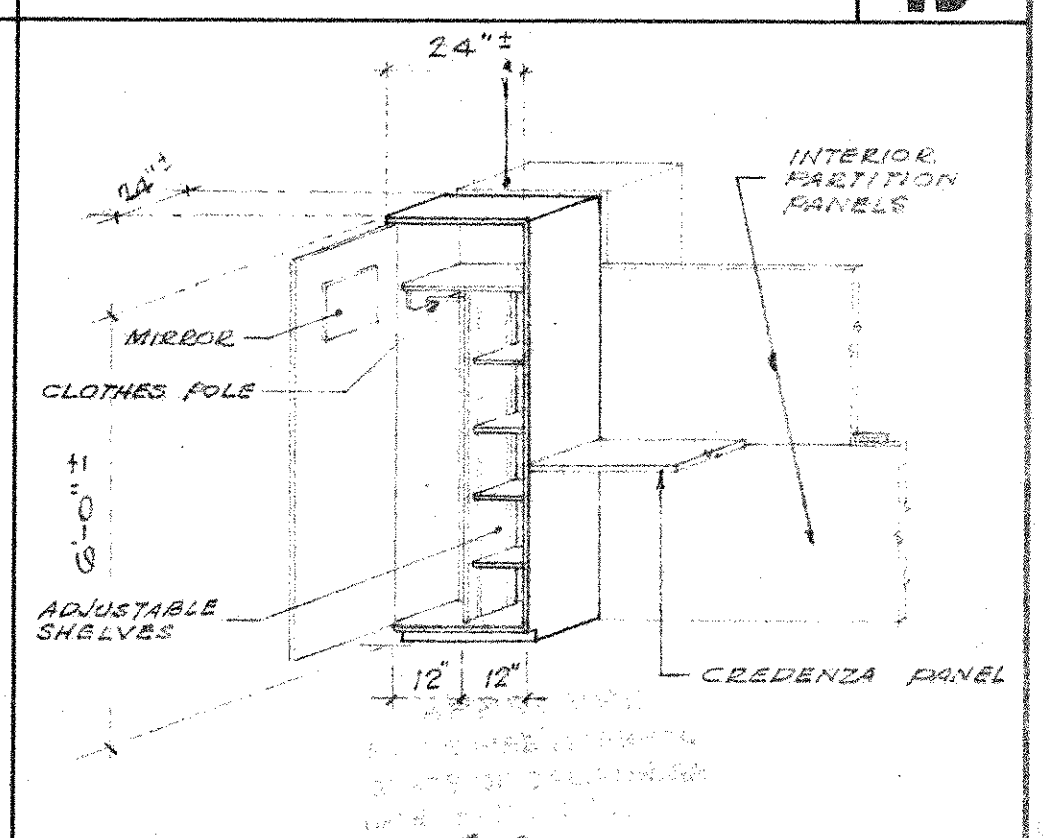
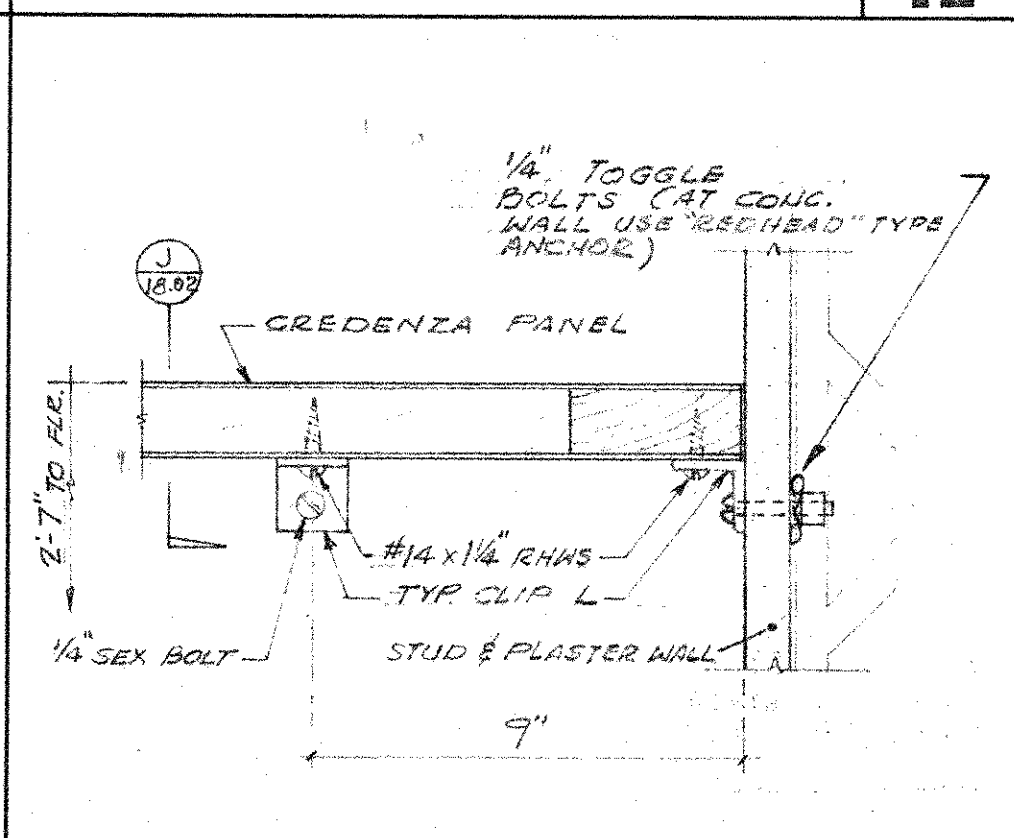
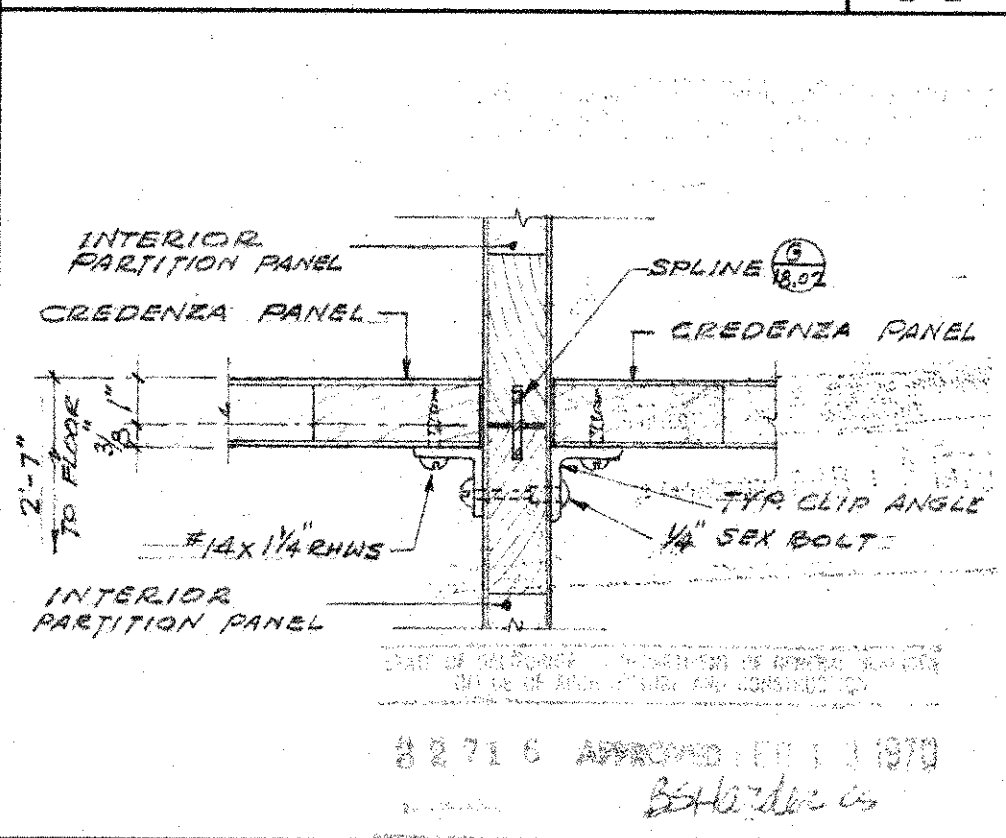
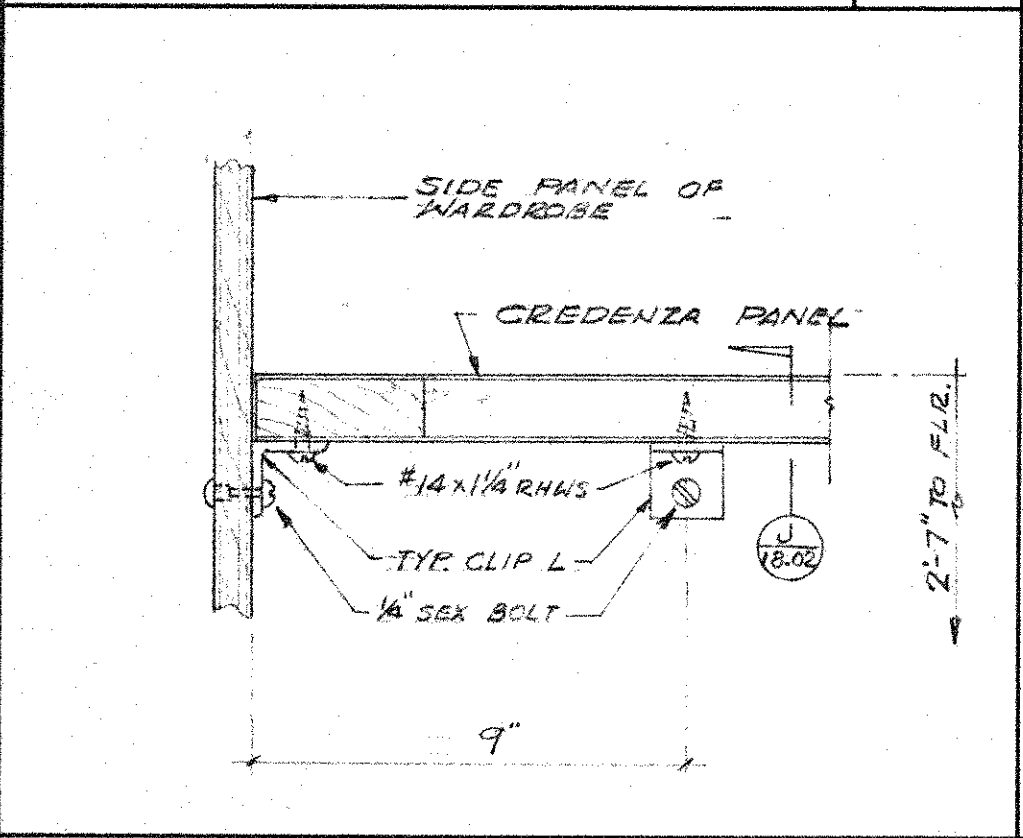


TOP RAIL & CORNER **L**

PANEL CONNECTION **H**

PANEL CONNECTION **E**

BOOK SHELVES **B**



CREDENZA-END SUPPORT **M**

CREDENZA-CENTER SUPPORT **J**

CREDENZA-END SUPPORT **F**

WARDROBE **C**

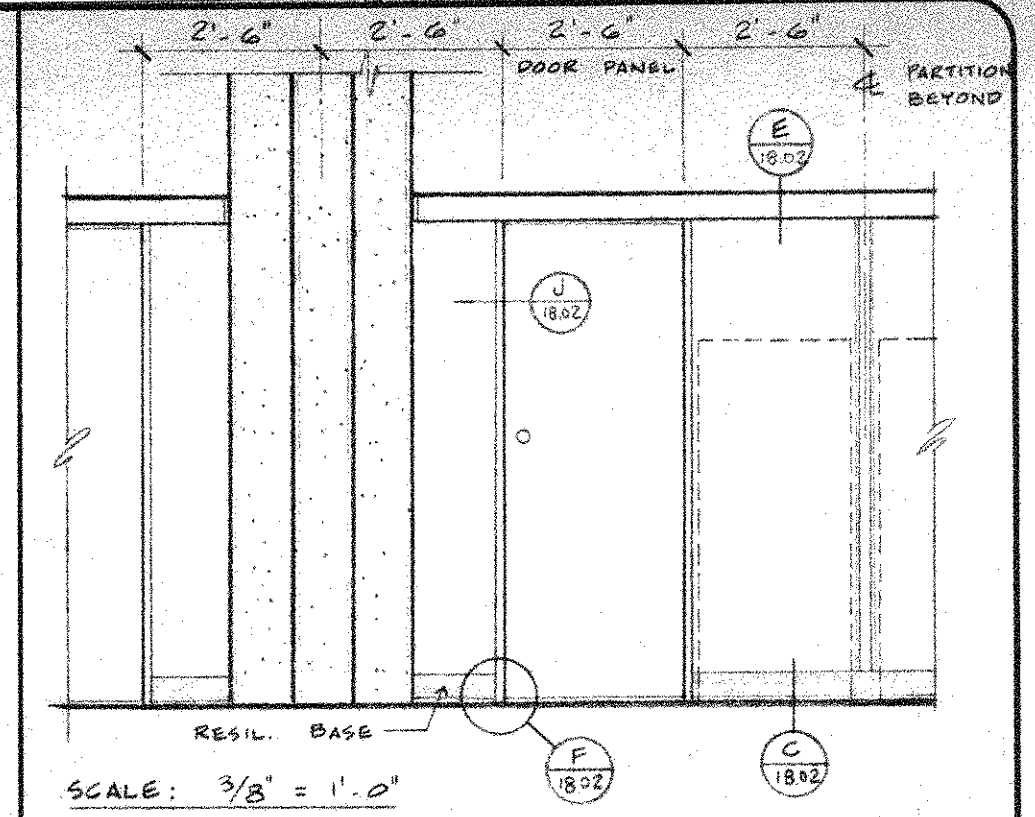
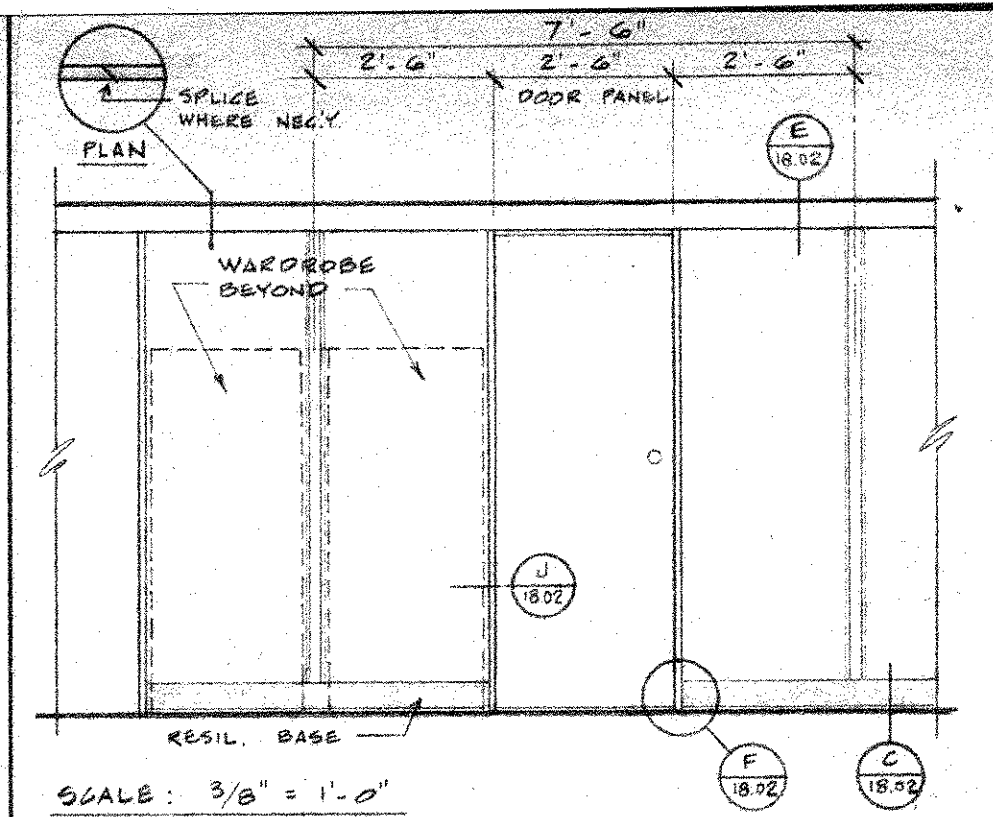
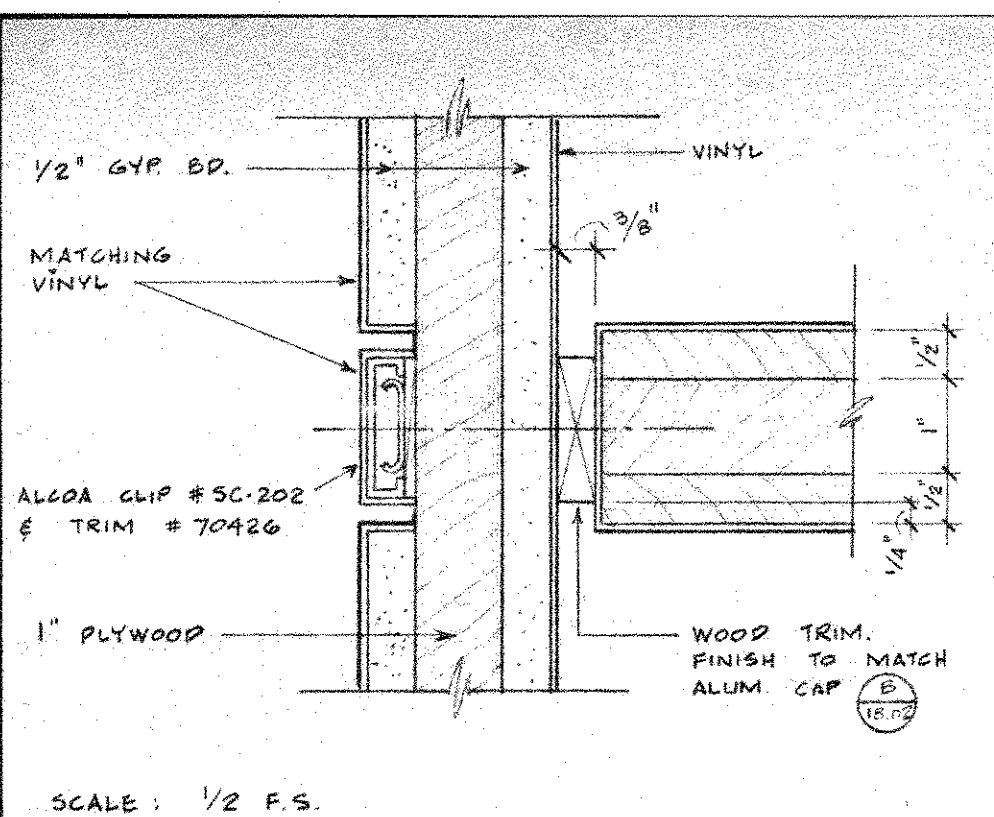
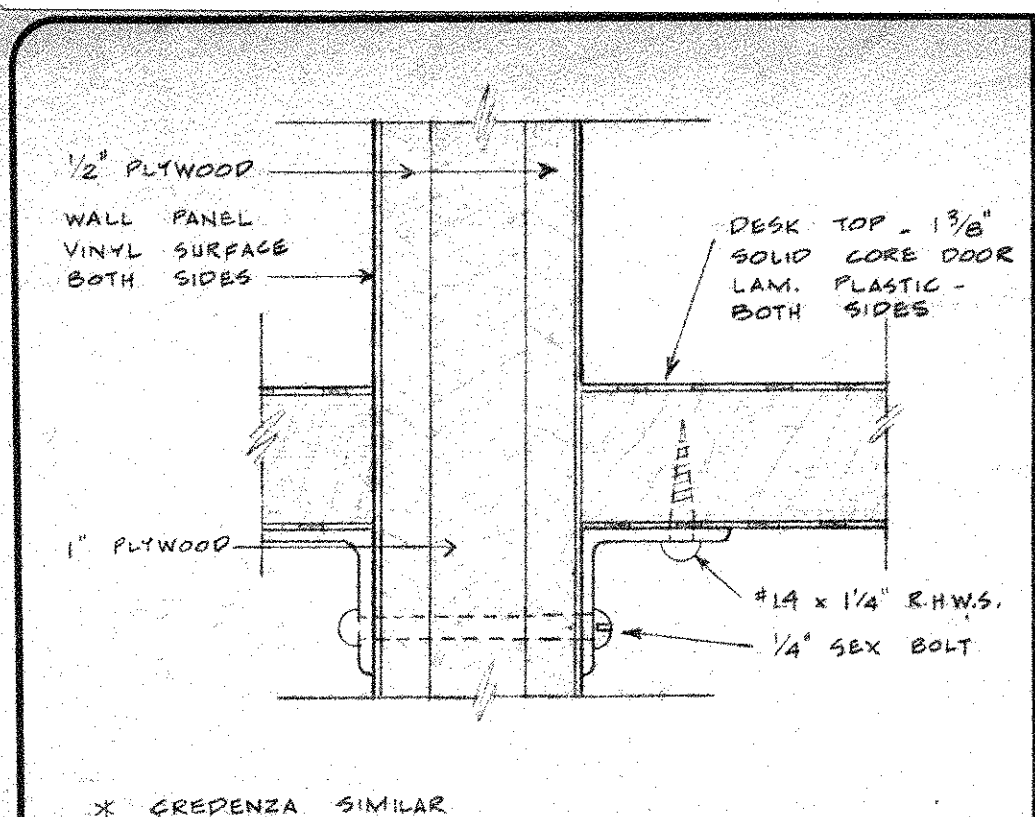
SCALE  
DATE  
DRAWN  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

William E. Blurock  
WB ARCHITECTS PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

OFFICE CUBICLES  
SHEET 18.02  
OF



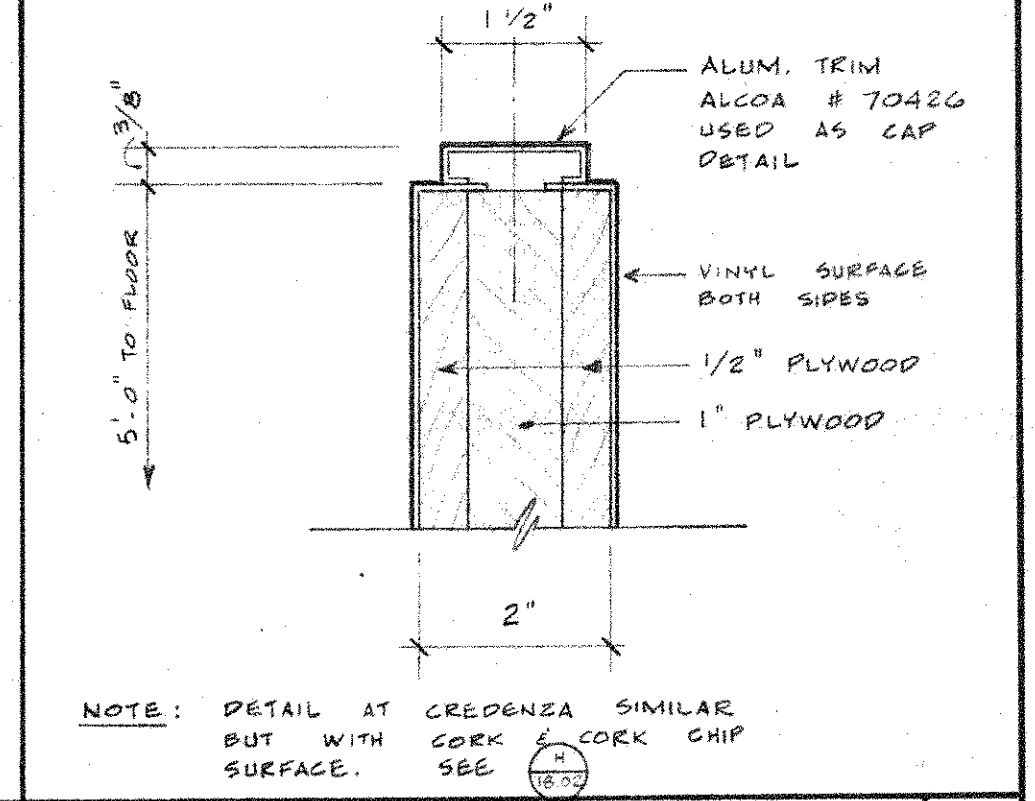
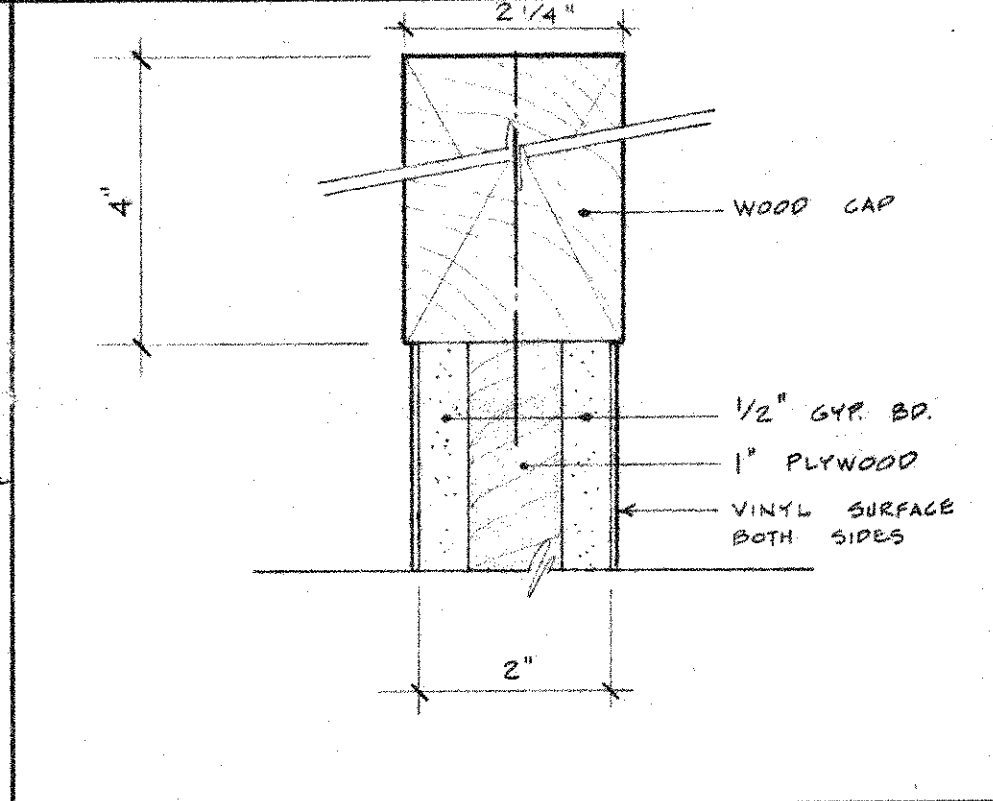
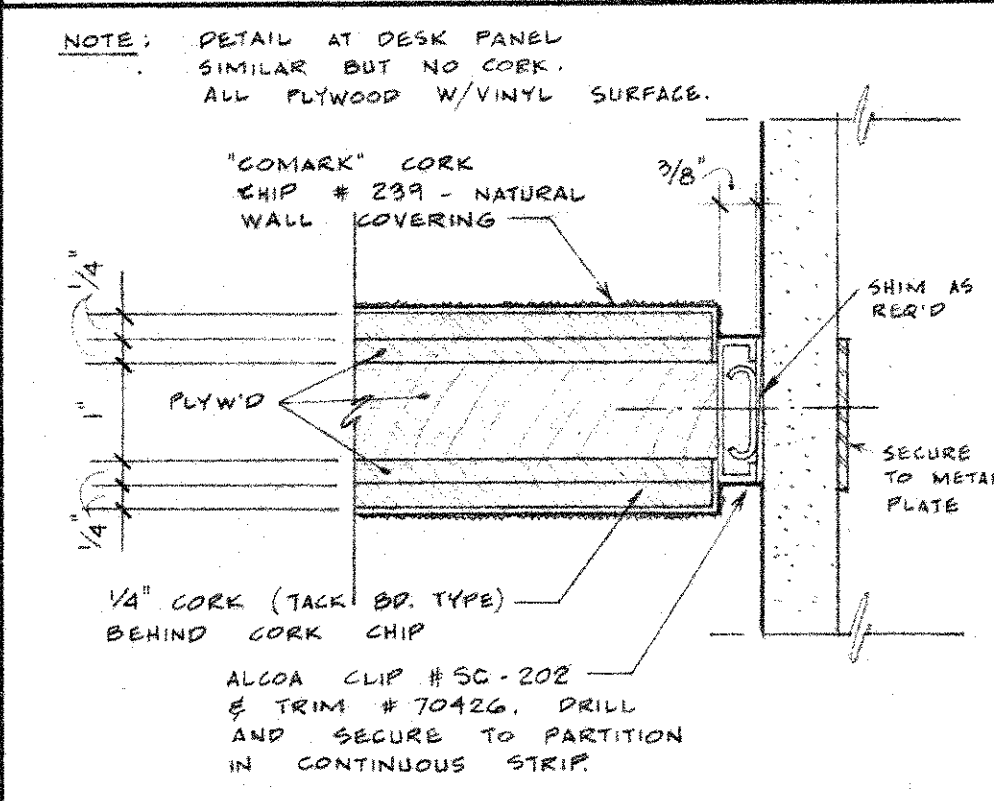
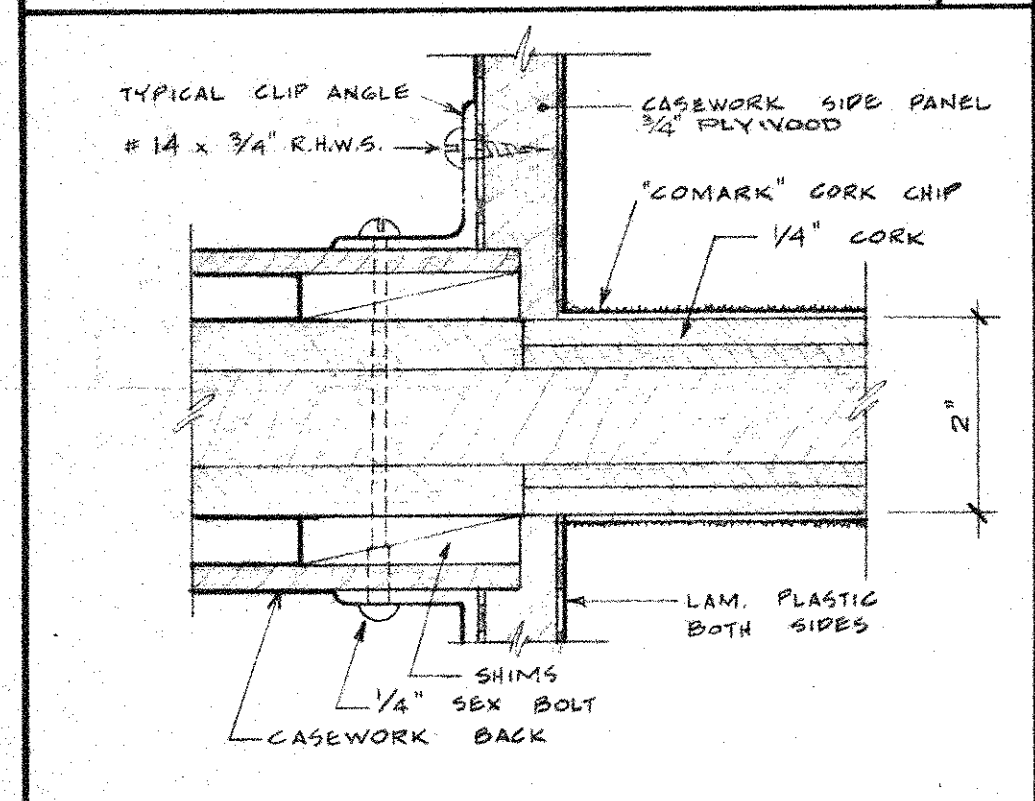


\* DESK - CENTER SUPPORT **K**

PANEL CONNECTION **G**

TYPICAL EXTERIOR ELEVATION **D**

EXTERIOR ELEVATION AT COLUMN **A**

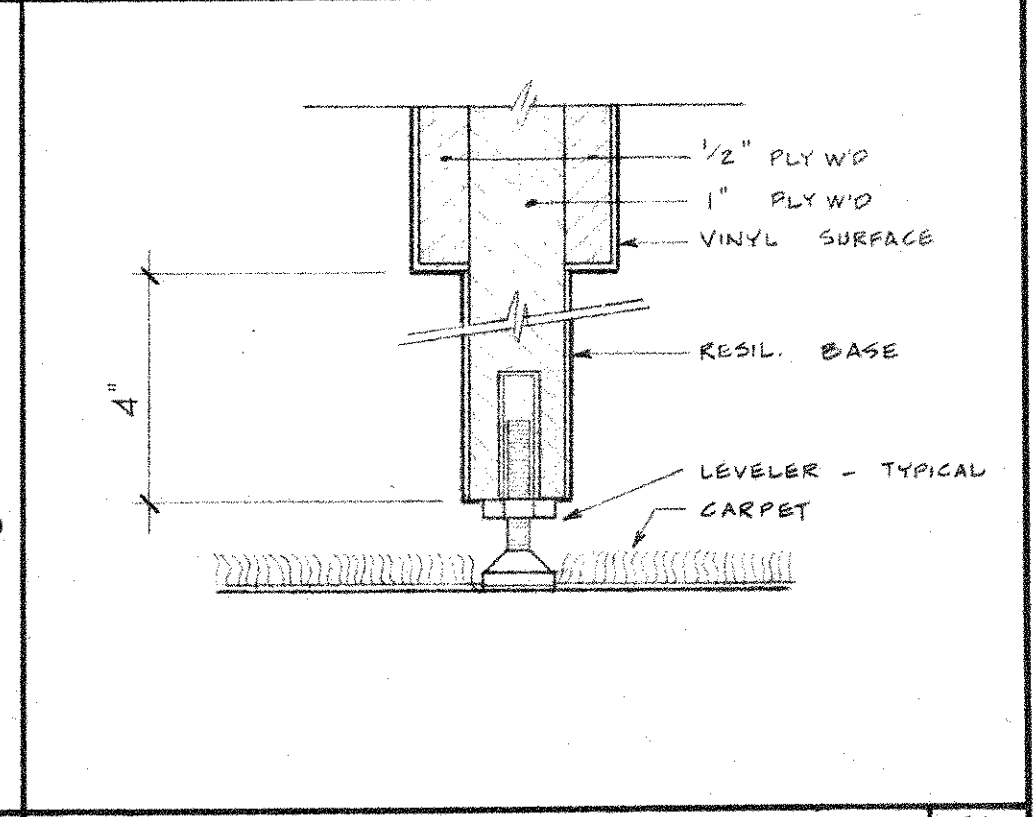
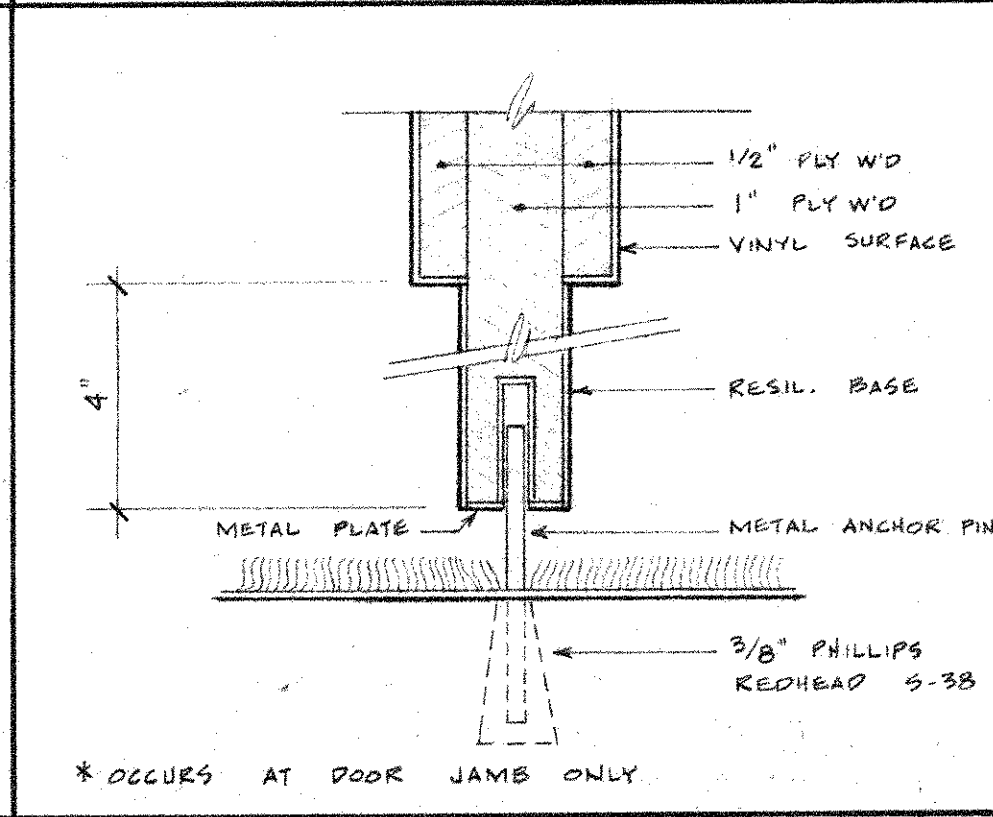
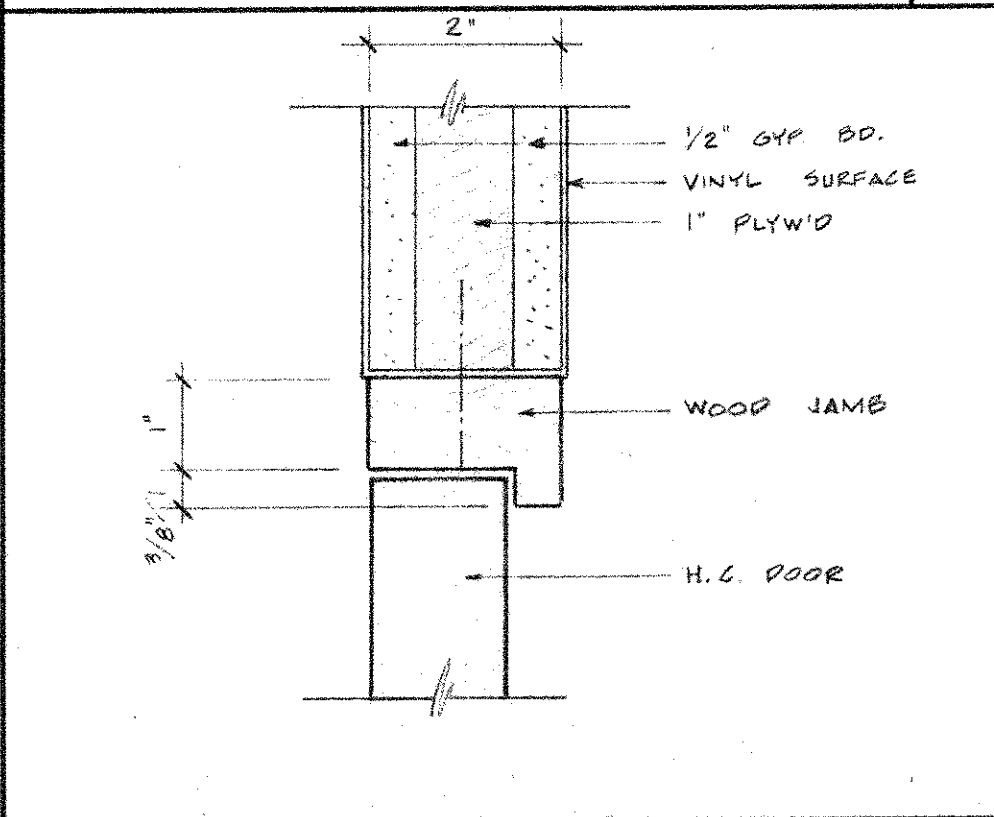
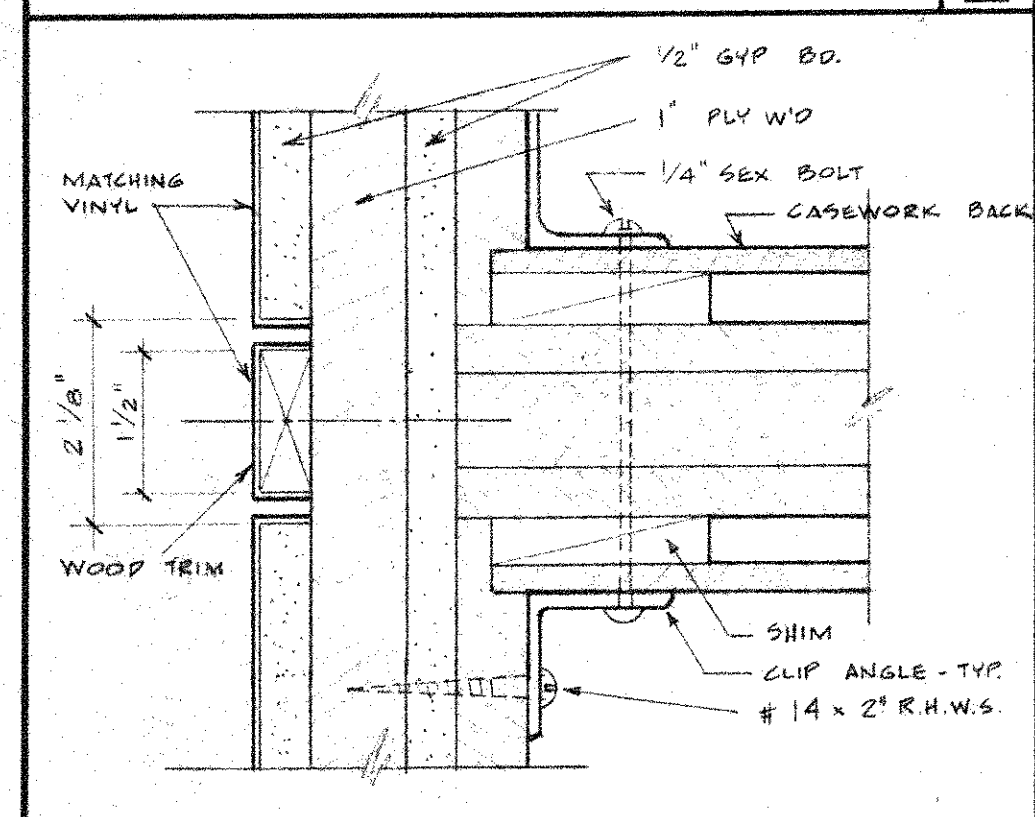


PANEL CONNECTION **L**

PANEL CONNECTION **H**

CAP DETAIL **E**

CAP DETAIL **B**



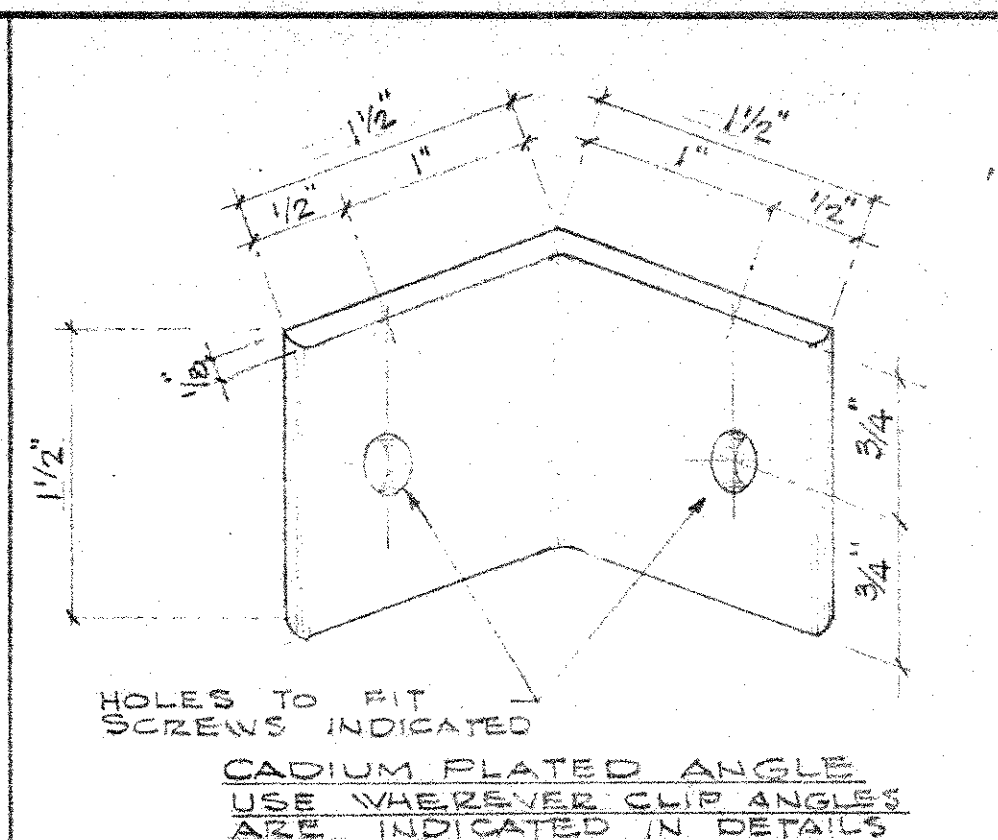
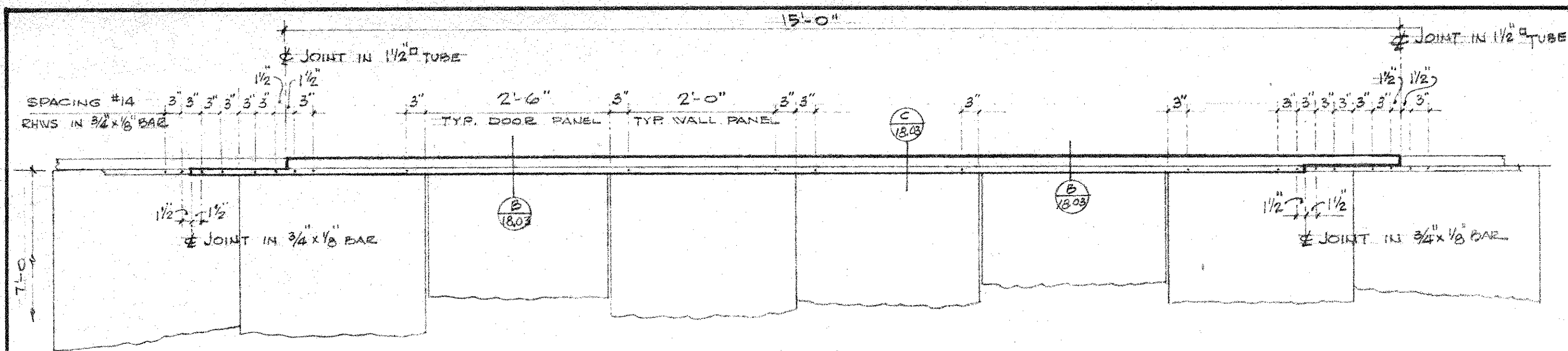
PANEL CONNECTION **M**

DOOR JAMB **J**

\* BASE DETAIL **F**

BASE DETAIL **C**



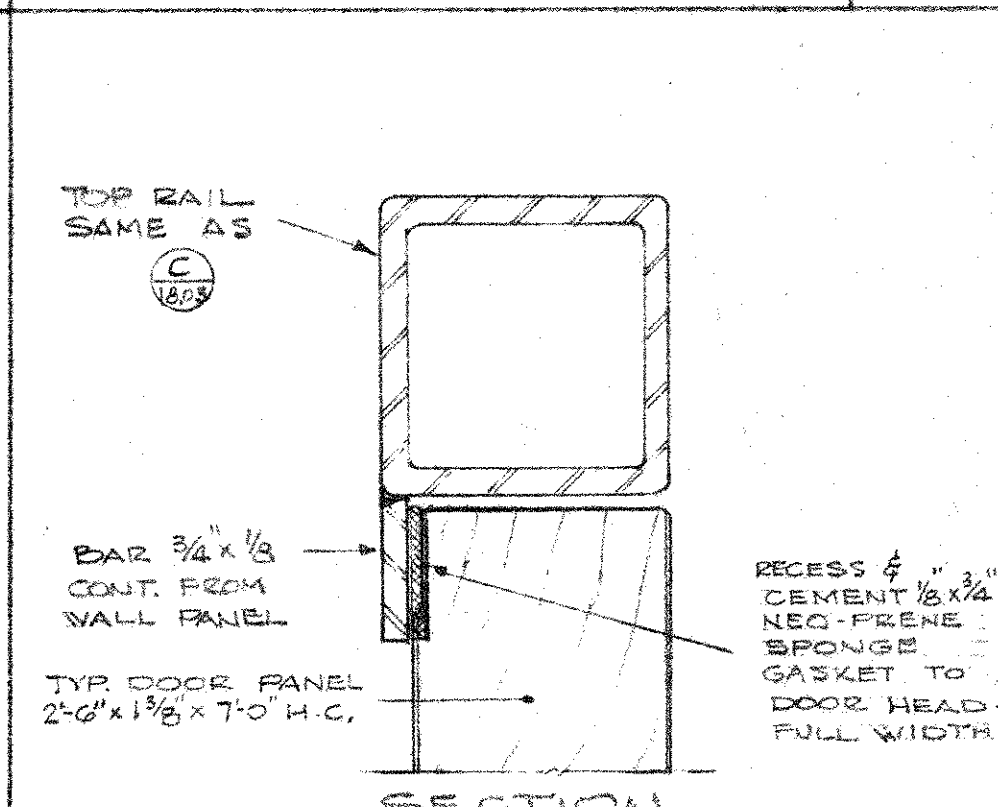
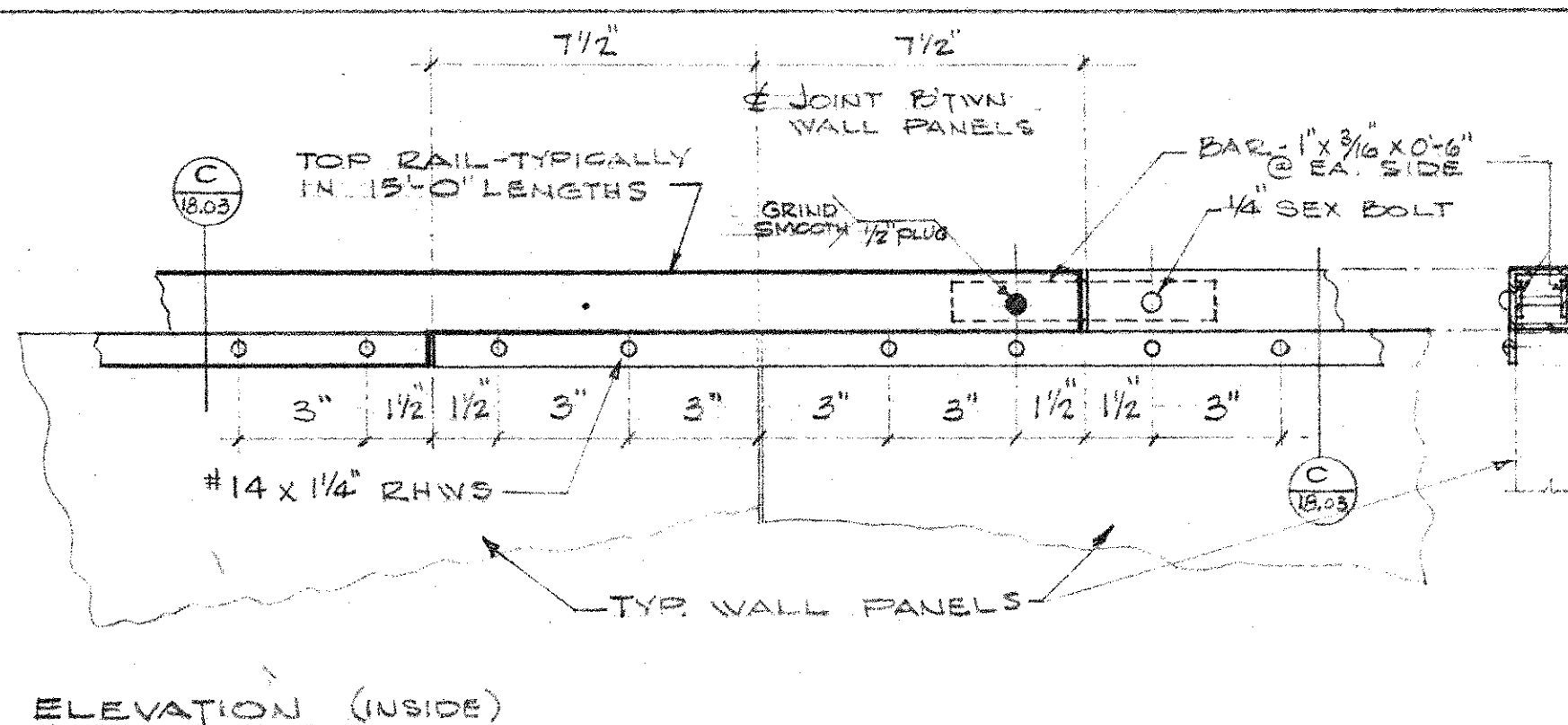
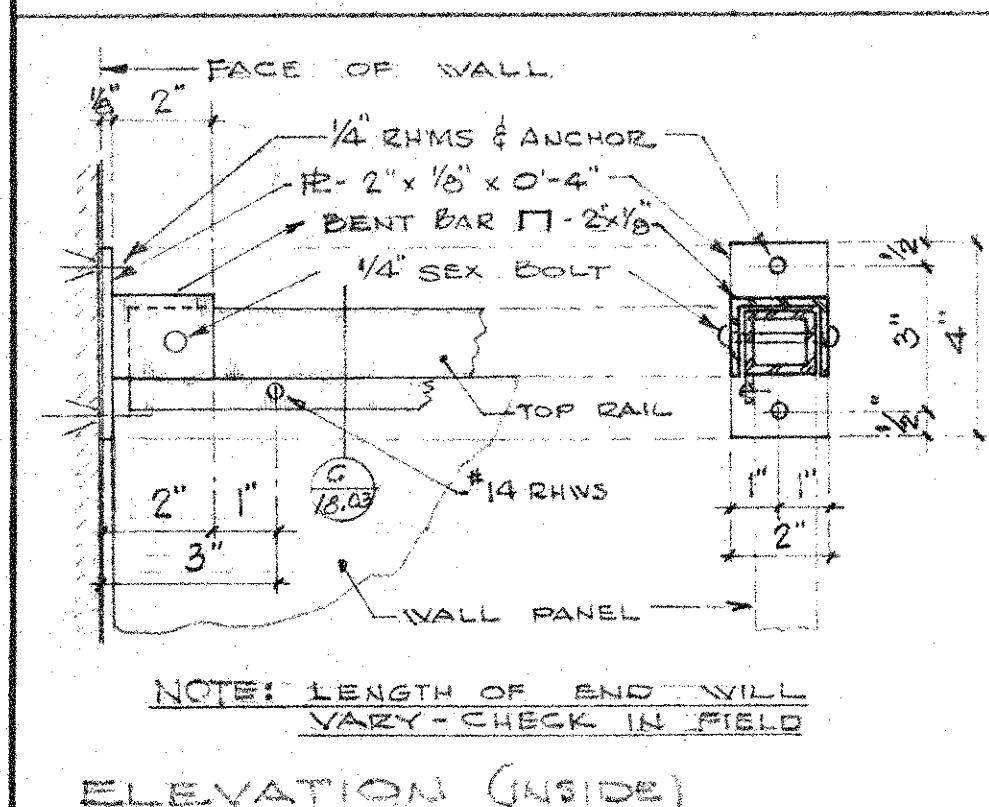


TYPICAL SECTION OF TOP RAIL

1D

TYP. CLIP ANGLE F.S.

A



END CONNECTION 3'-10"

H

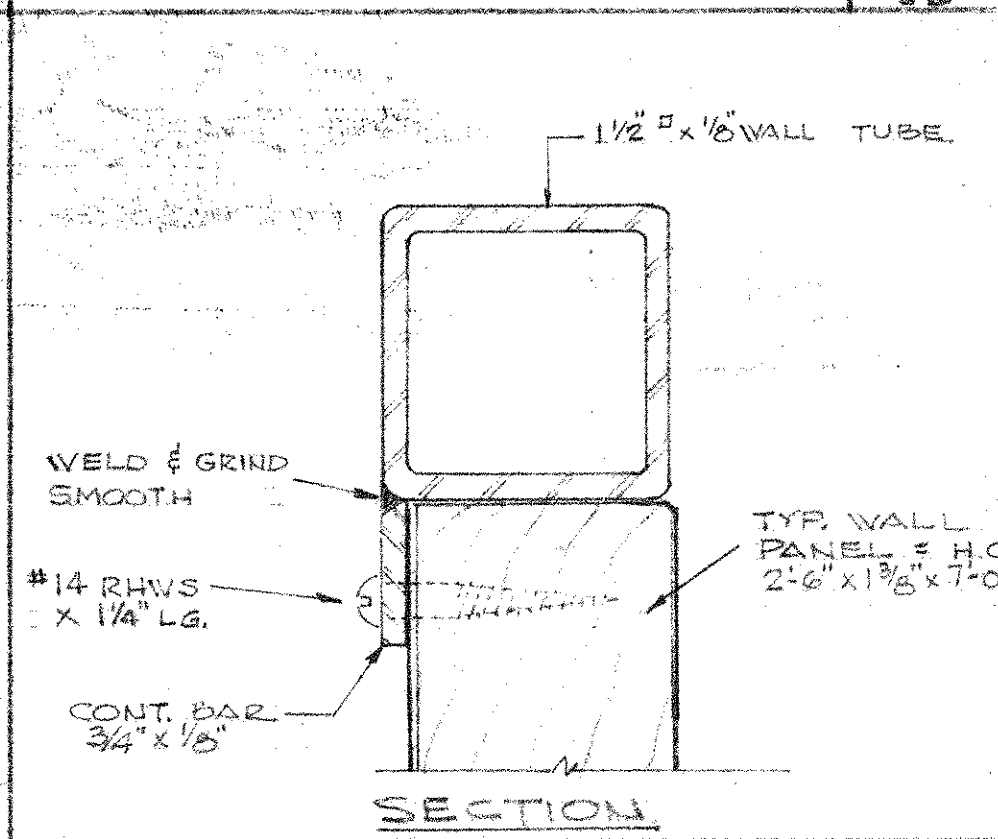
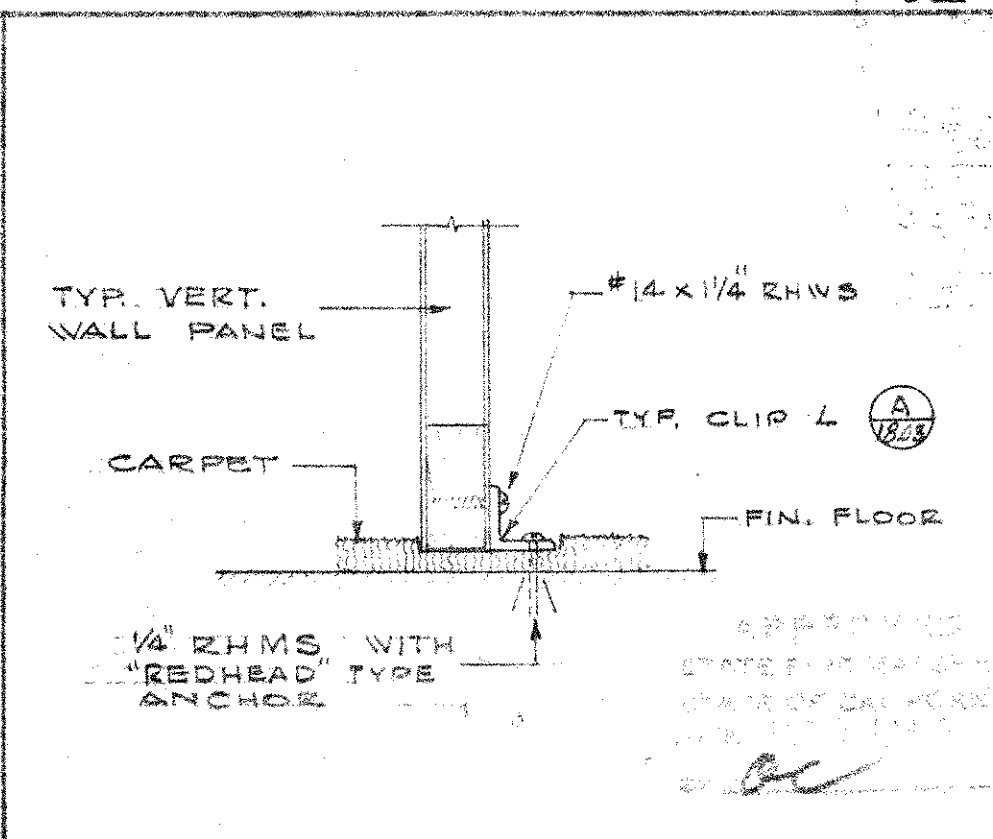
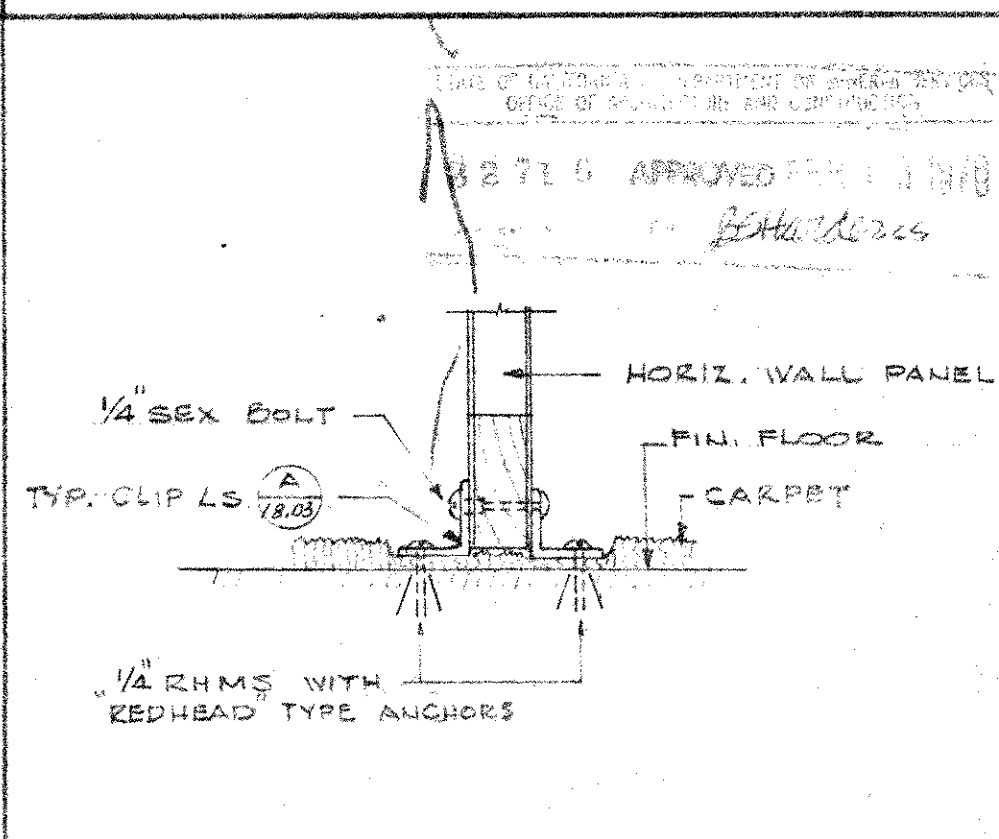
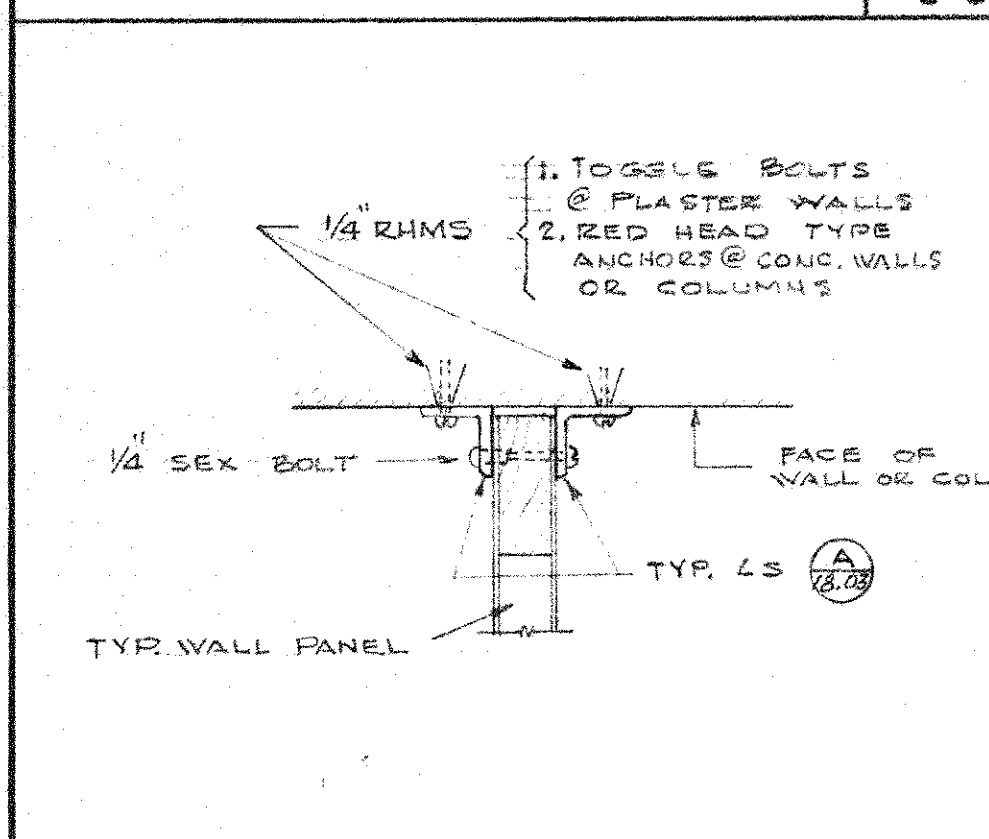
TOP RAIL SPLICE

3" = 1'-0"

E

TOP RAIL @ DOOR 1/2 F.S.

1B



WALL or COLUMN CONN.

J

FLOOR CONNECTION

G

FLOOR CONNECTION

F

TOP RAIL @ WALL PANEL

C

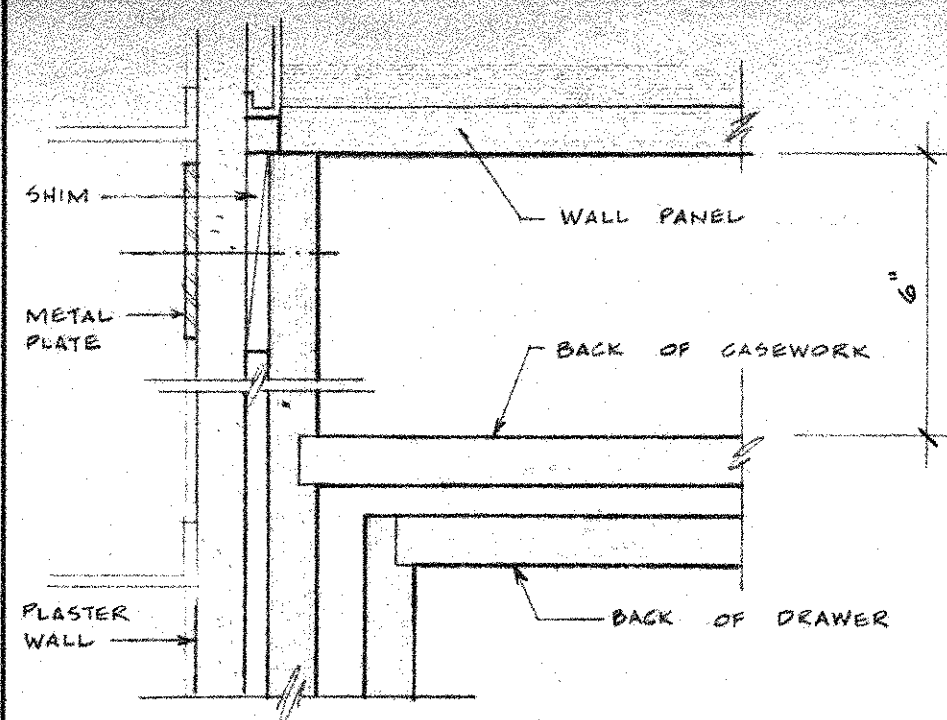
SCALE  
DATE  
DRAWN  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

William Blurock  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

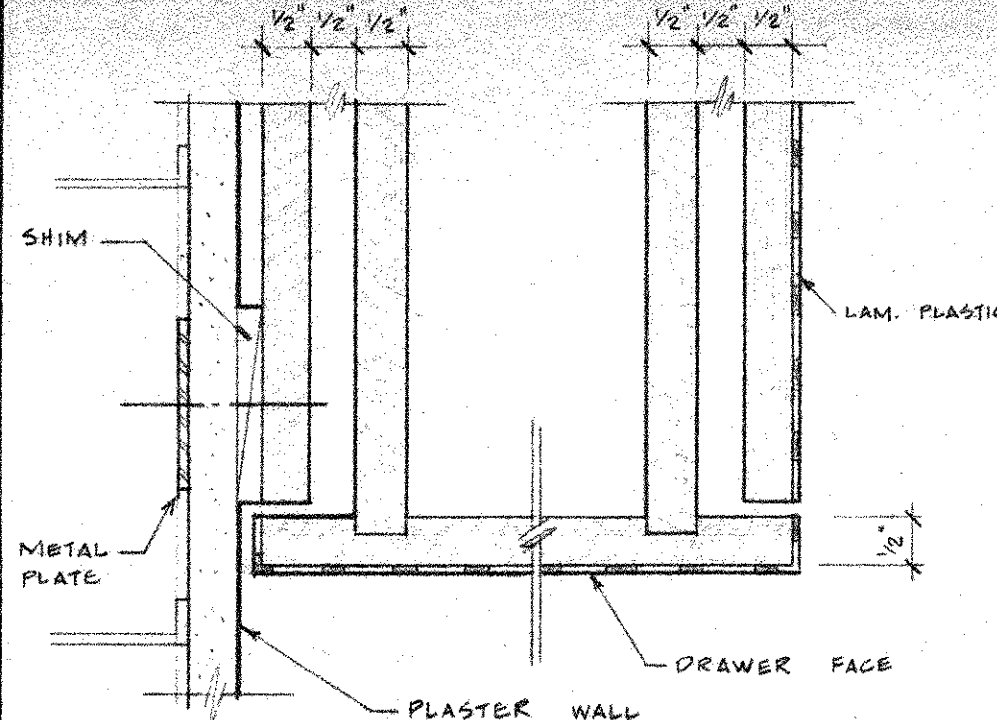
OFFICE  
CUBICLES

SHEET  
18.03  
OF



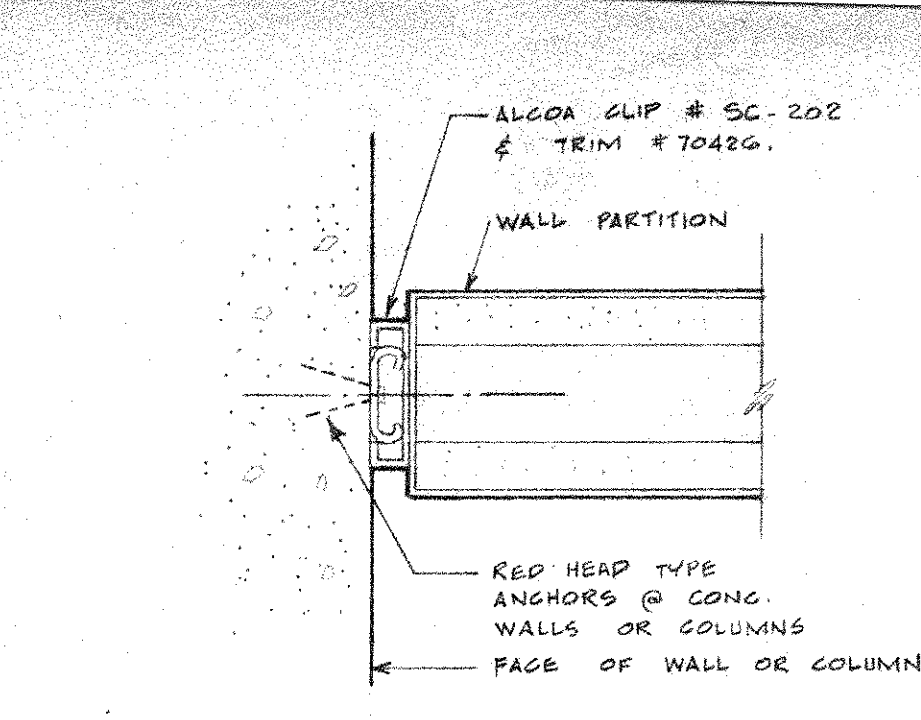
DESK DRAWER DETAIL

G



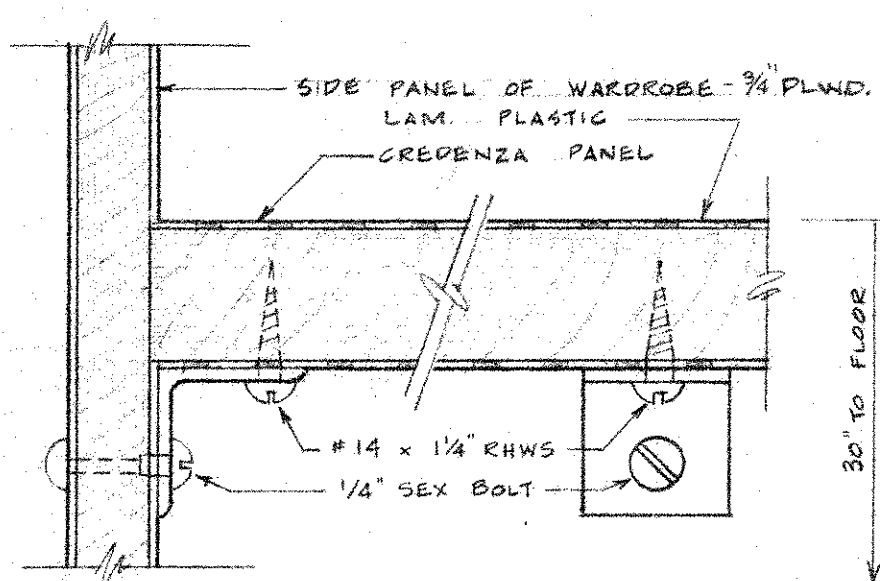
DESK DRAWER DETAIL

D



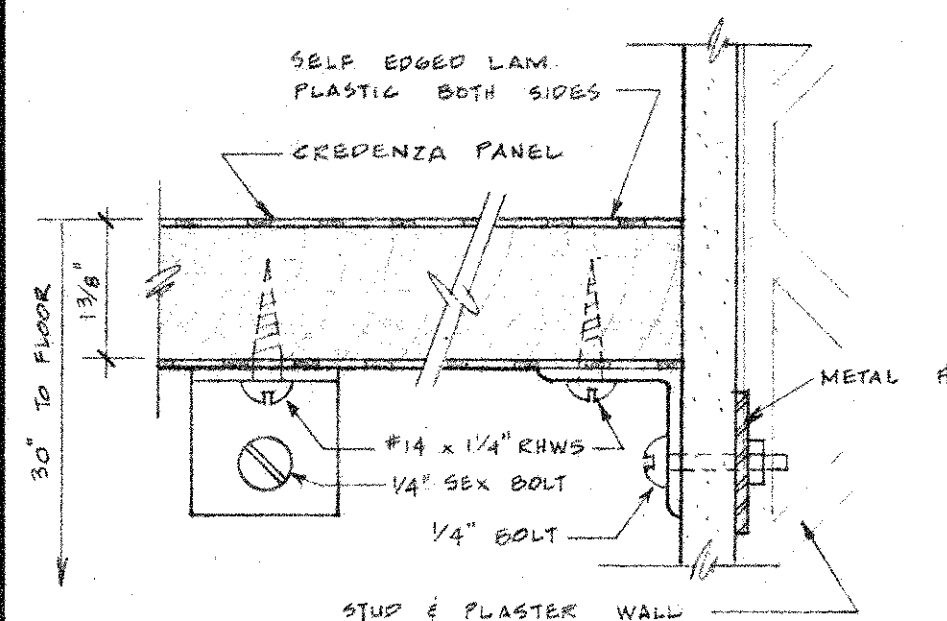
WALL OR COLUMN CONNECTION

A



CREDENZA - END SUPPORT

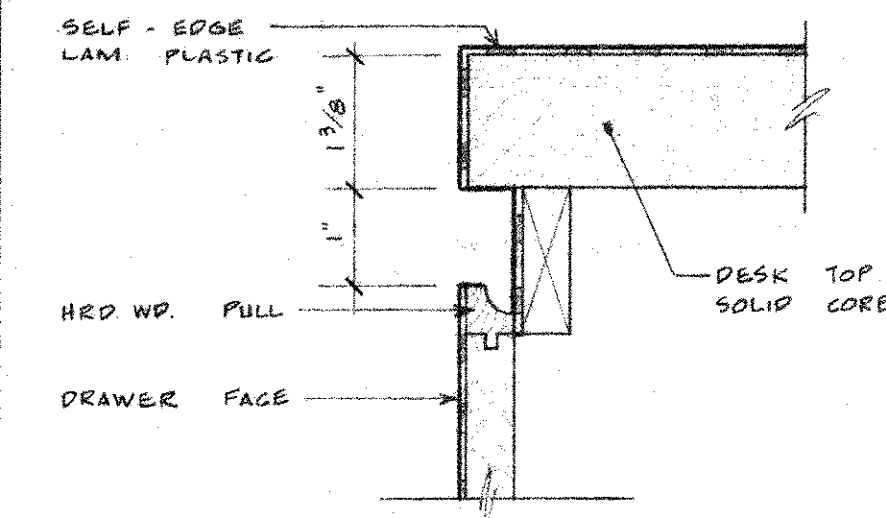
L



\* DESK SIMILAR

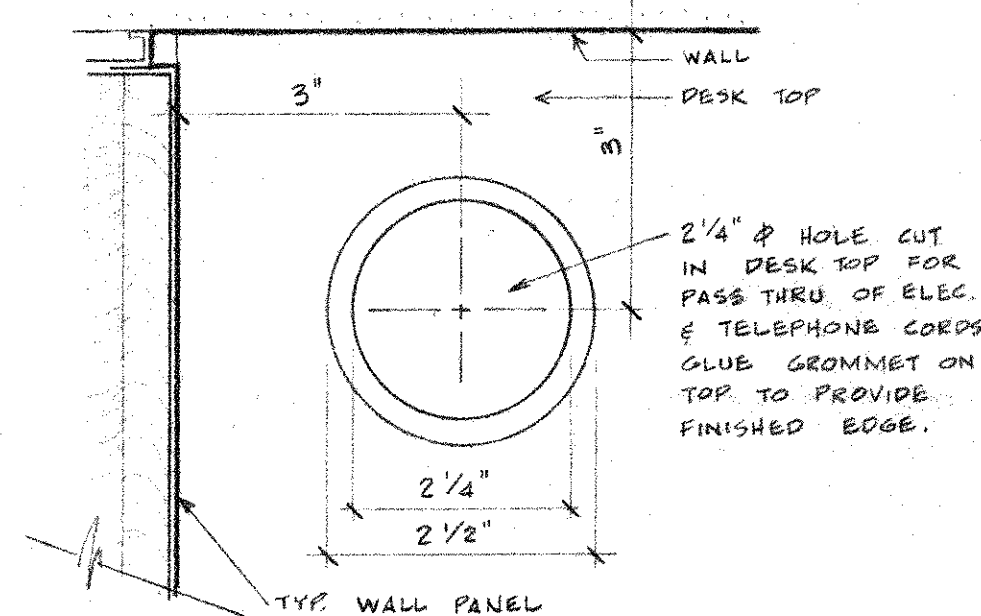
\*CREDENZA - END SUPPORT

H



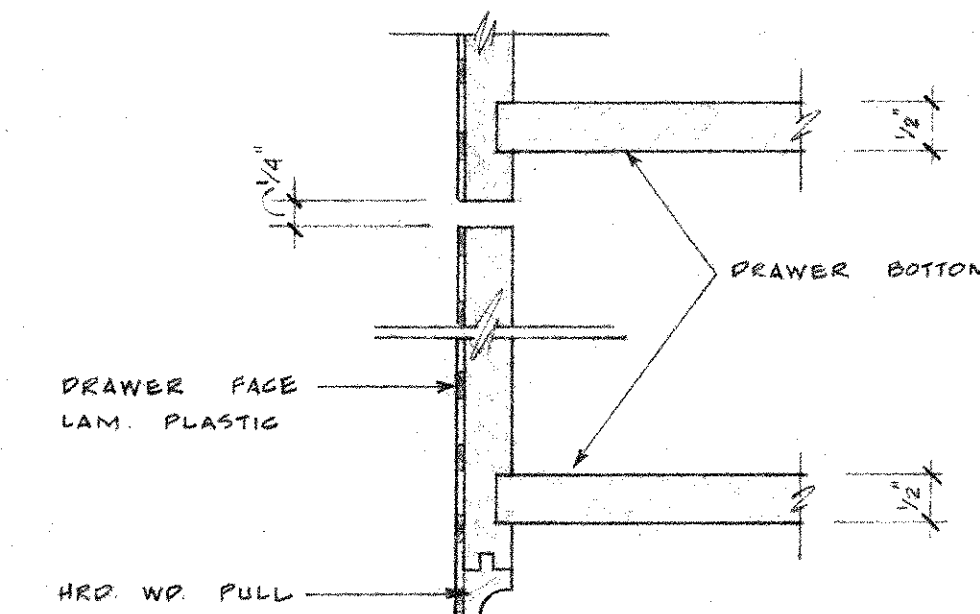
DESK DRAWER DETAIL

E



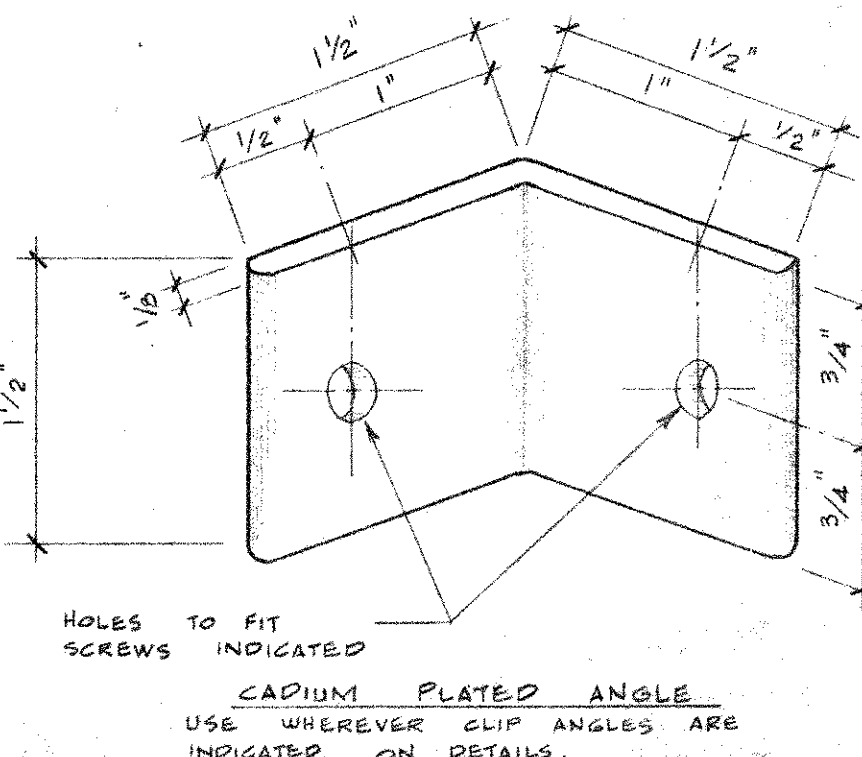
ELEC. PASS-THRU HOLE

B



DESK DRAWER DETAIL

F



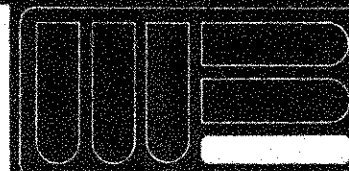
TYPICAL CLIP ANGLE

FS.

C

SCALE  
DATE  
DRAWN  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

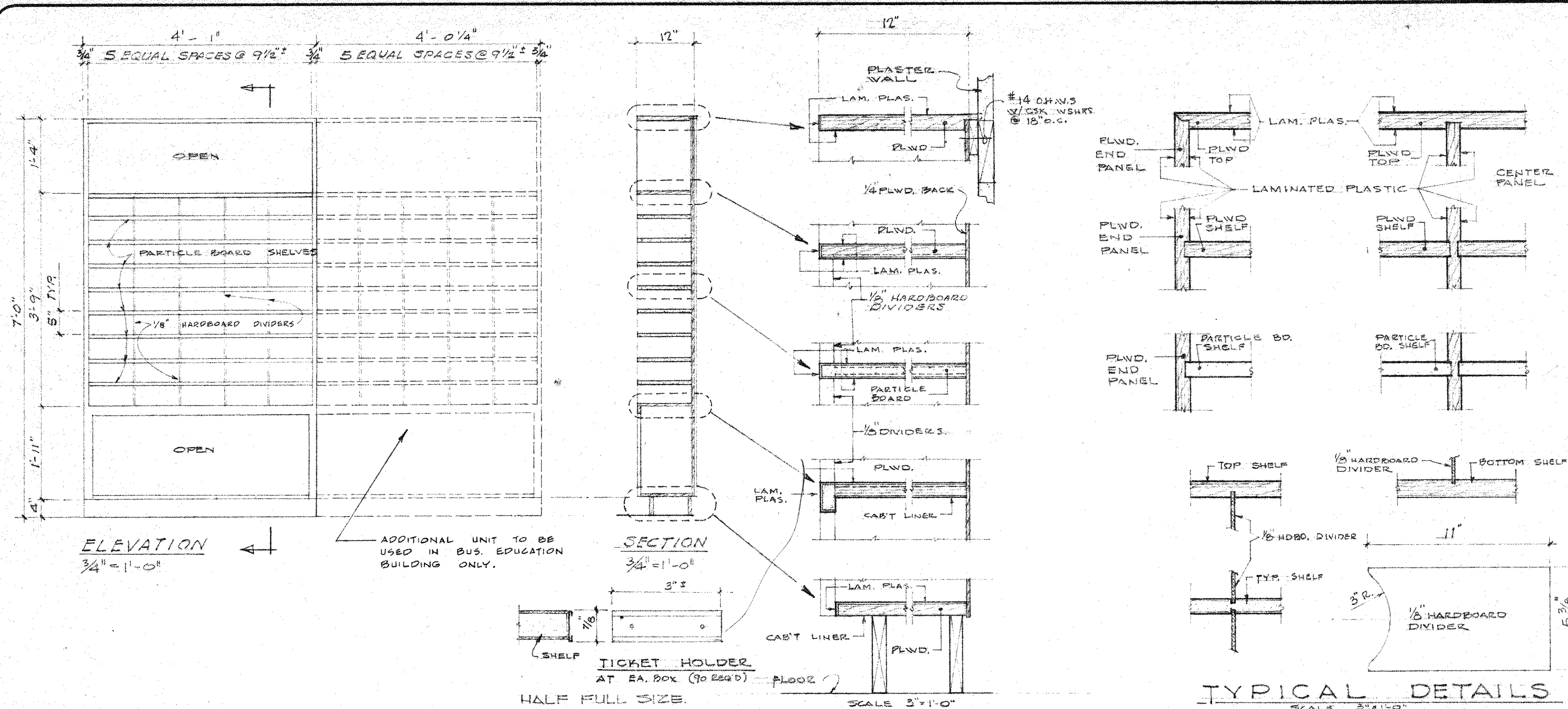


william blurock & partners  
architects planners  
1550 bayview drive, po. box 577, 714 679-0300  
corona del mar, california 92625

OFFICE  
CUBICLES

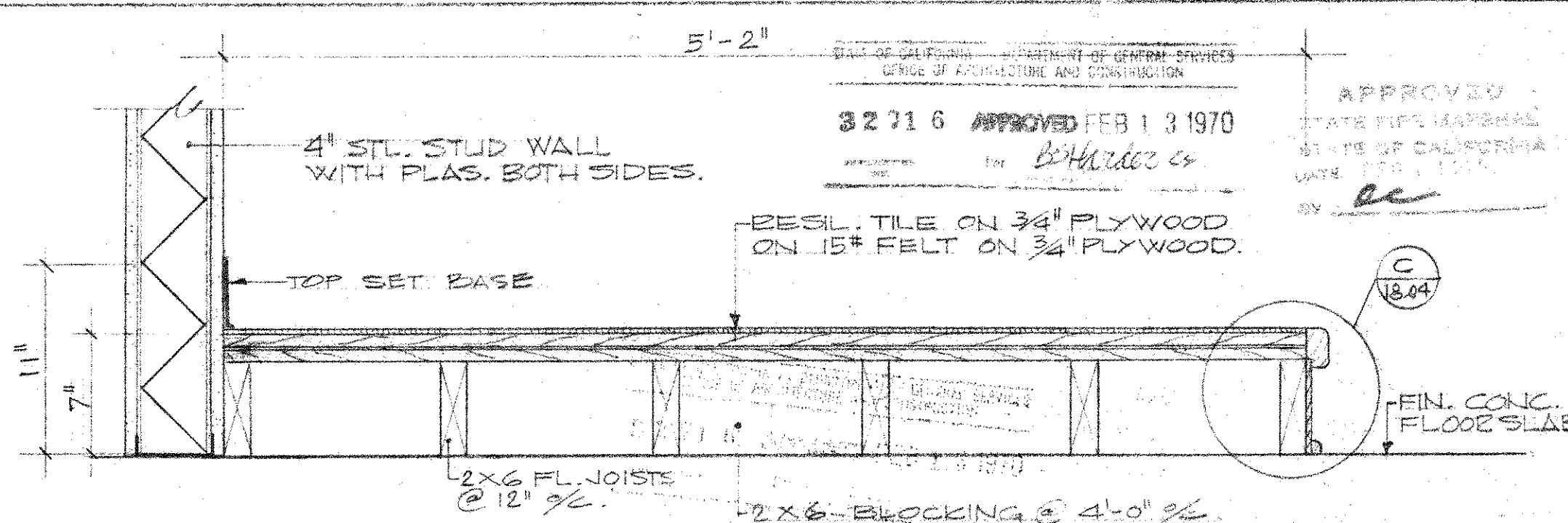
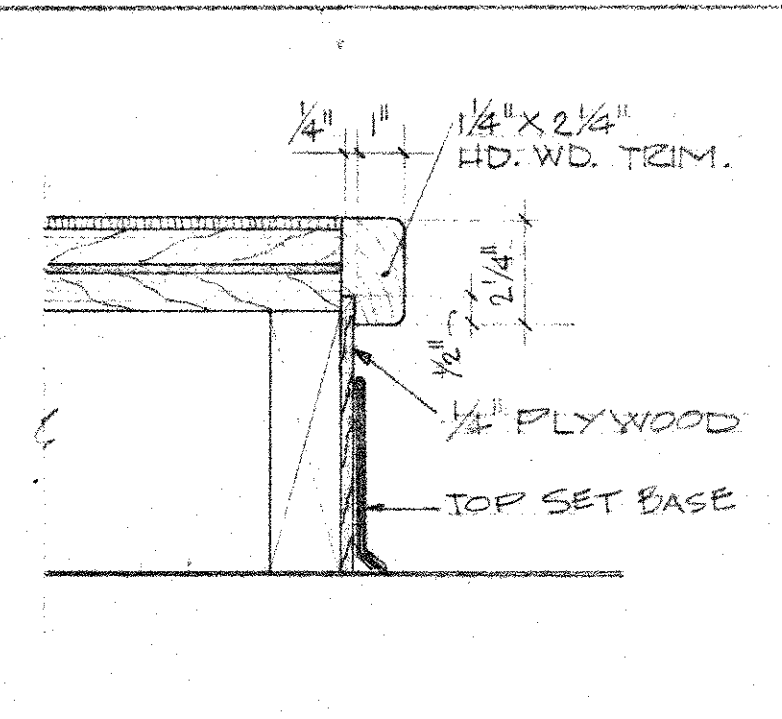
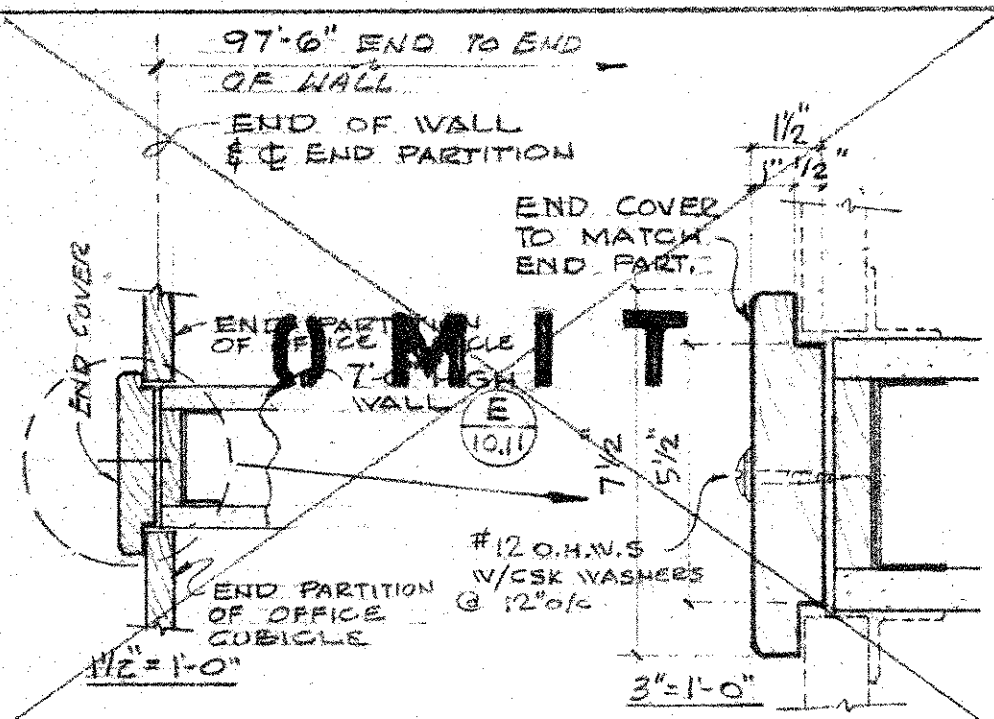
SHEET  
18.03  
OF  
SHEETS



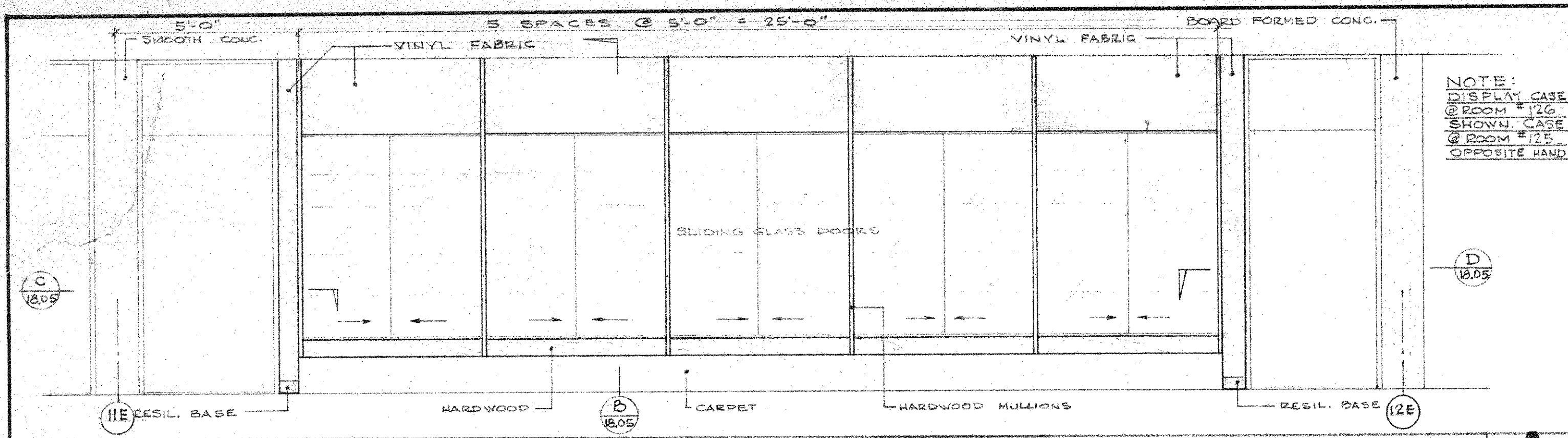


# MAIL BOXES

SCALE AS NOTED **A**



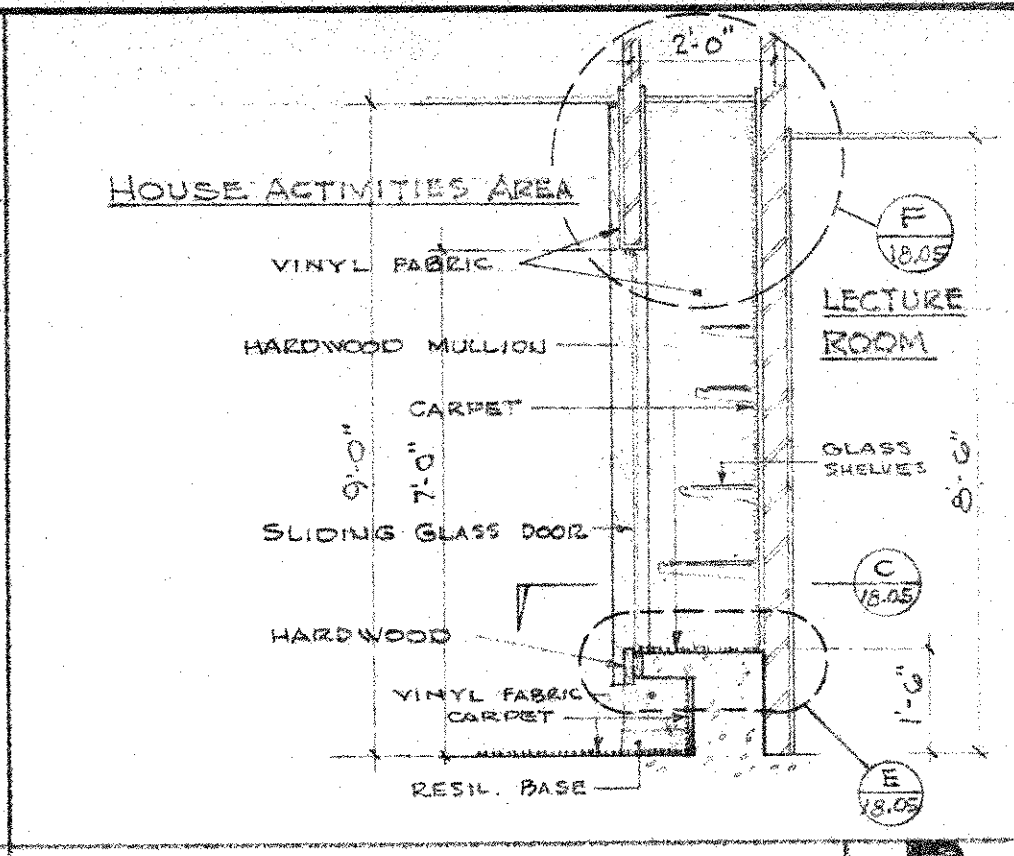
**DETAIL D** SCALE AS NOTED **DET. C** SCALE 3"=1'-0" **SECTION THRU PLATFORM** SCALE 1/2"=1'-0" **B**



ELEVATION

3/8" = 1'-0"

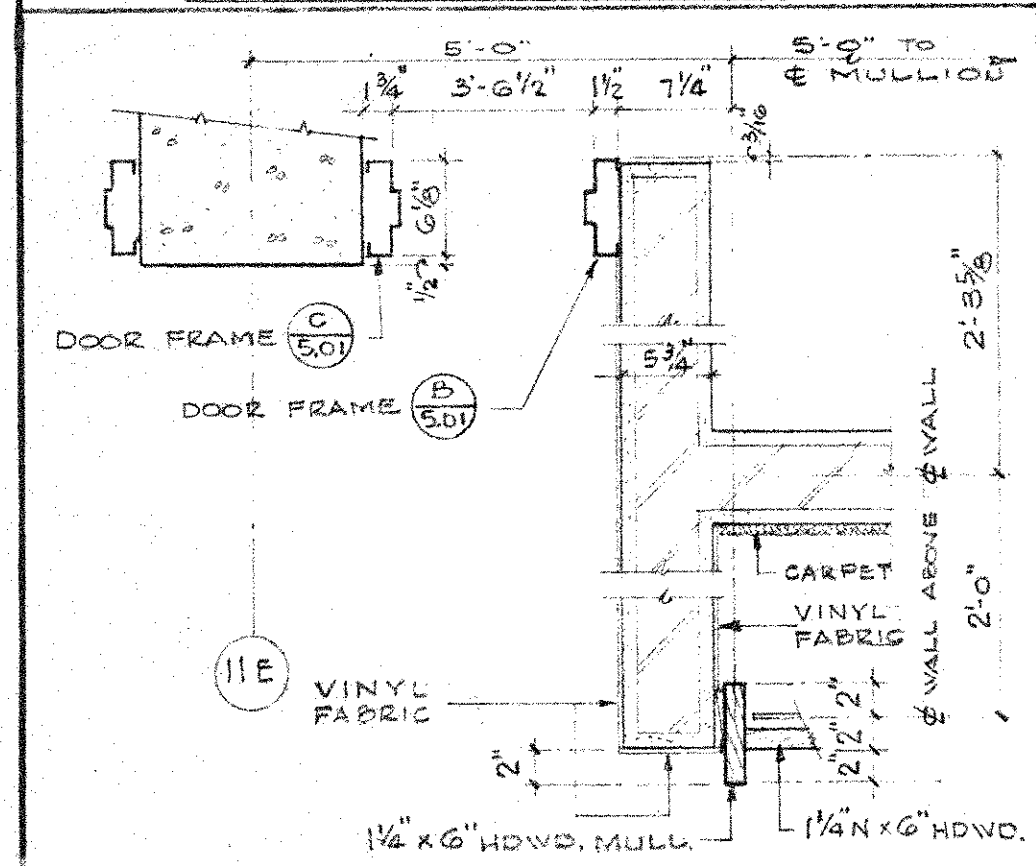
A



SECTION

3/8" = 1'-0"

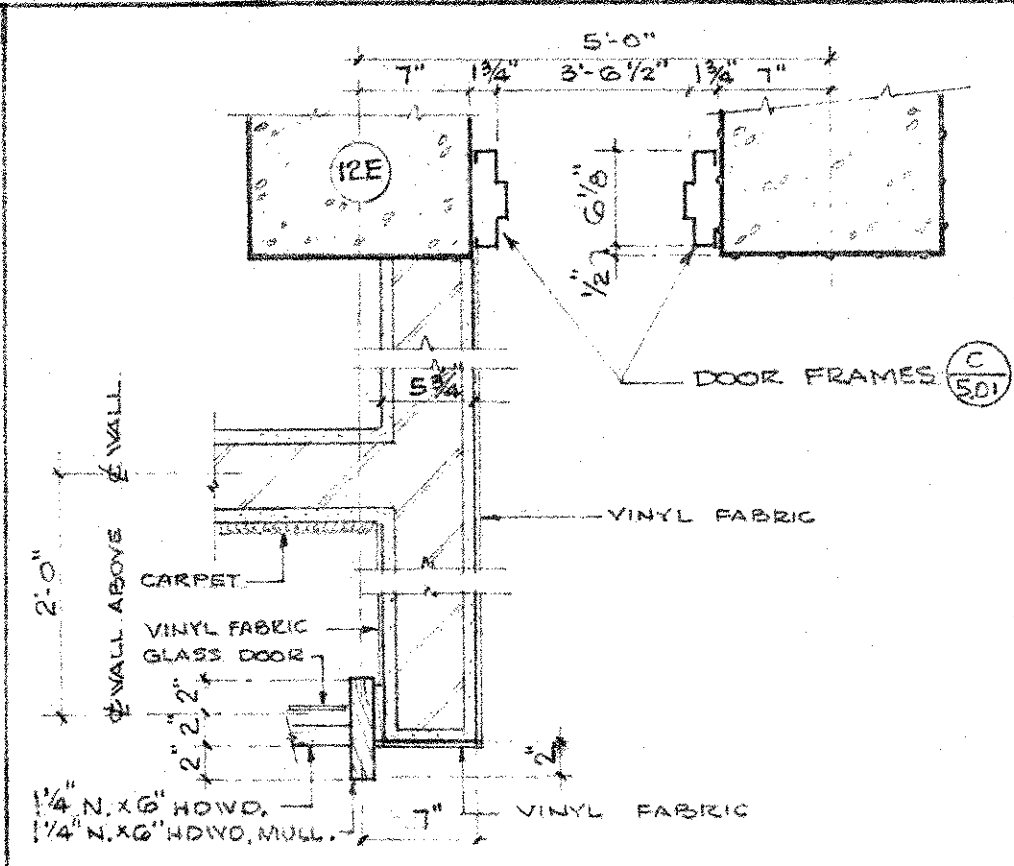
B



DETAIL

1 1/2" = 1'-0"

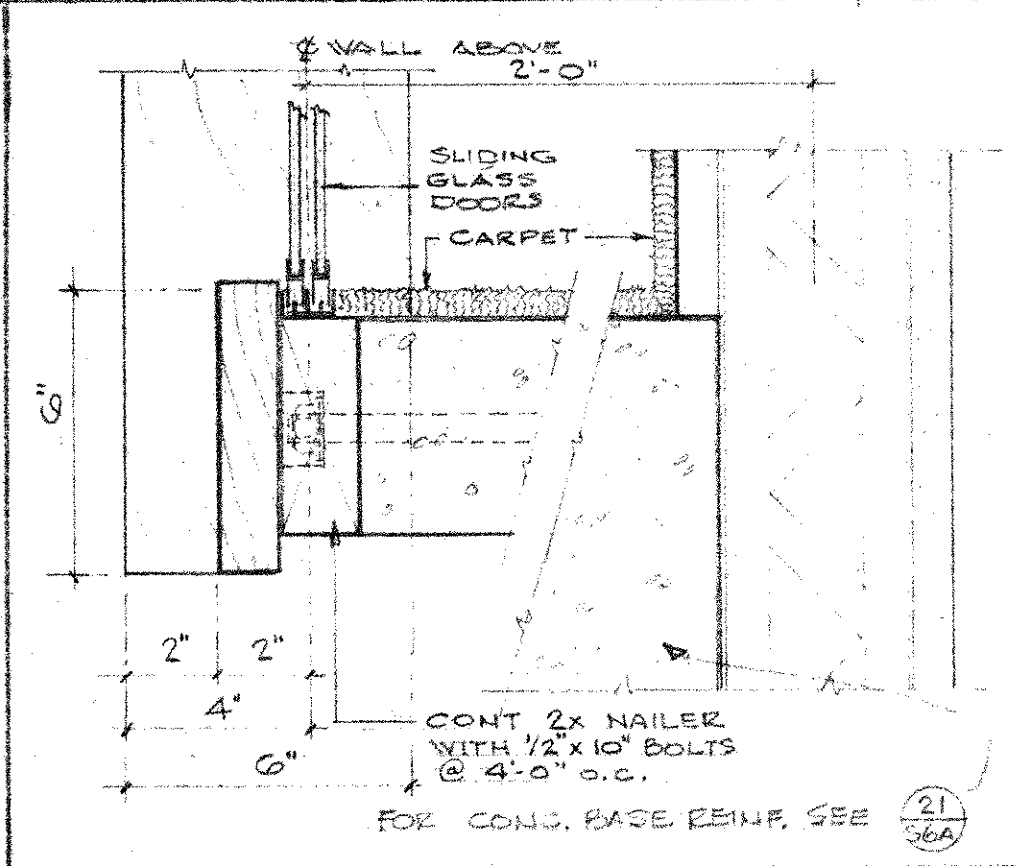
C



DETAIL

1 1/2" = 1'-0"

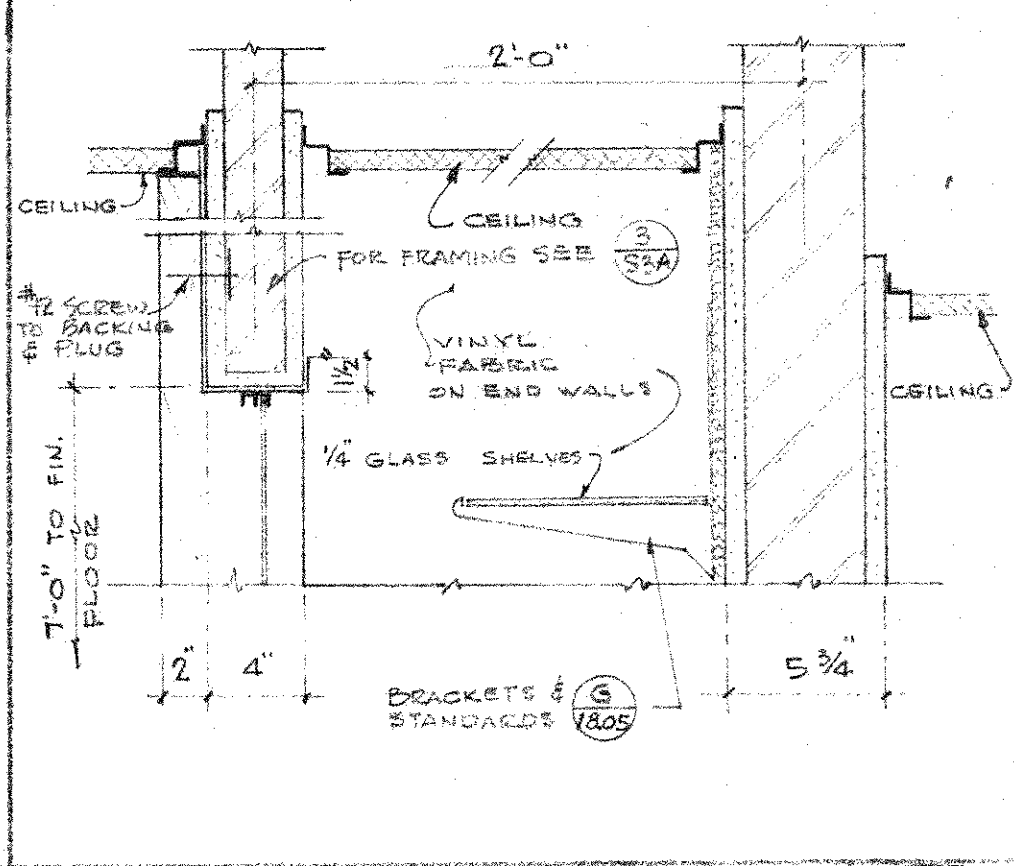
D



DETAIL

3" = 1'-0"

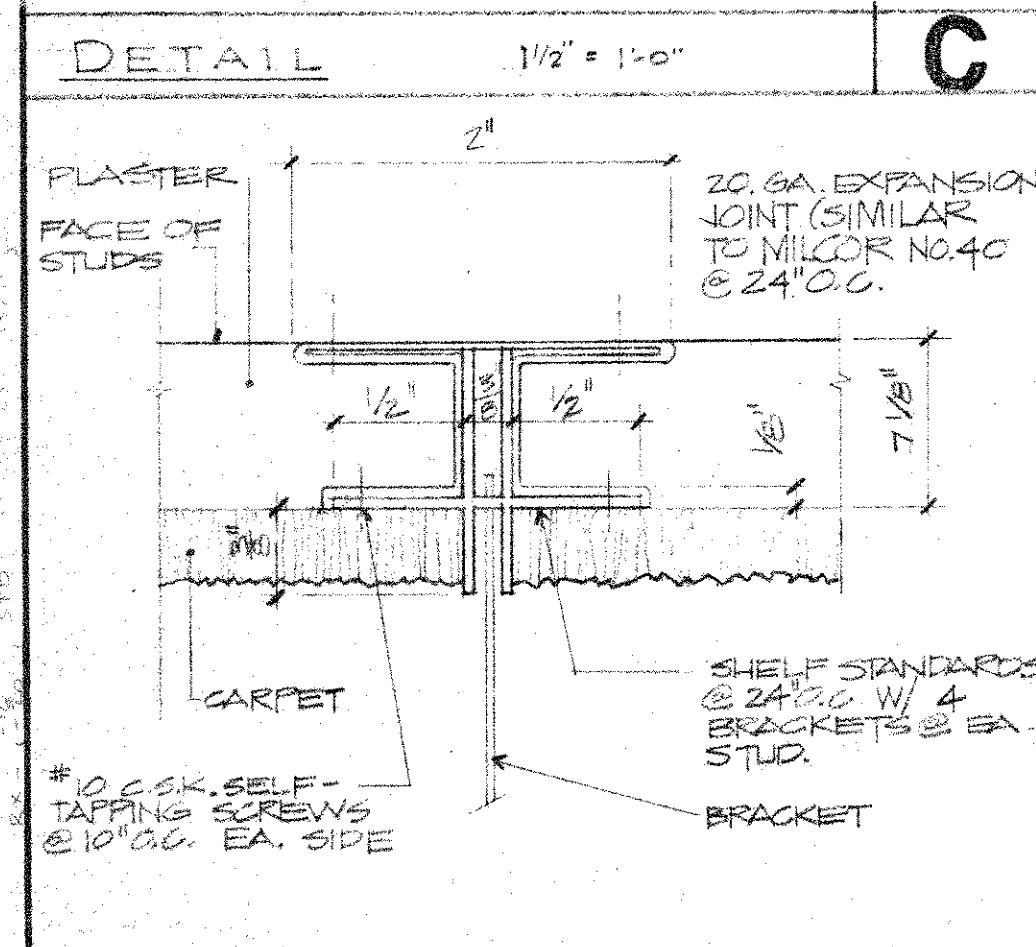
E



DETAIL

1 1/2" = 1'-0"

F



DETAIL

F.S.

G

SCALE
DATE
DRAWN
JOB C-1007

CYPRESS COLLEGE  
PHASE II *William Blum*

WB  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

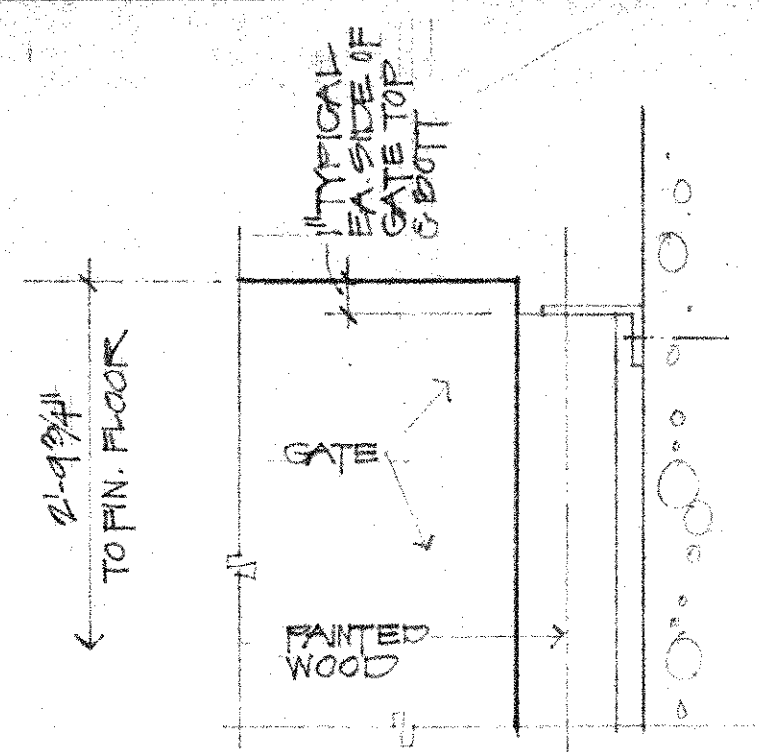
DISPLAY CASE  
DETAILS.

SHEET  
18.05  
OF

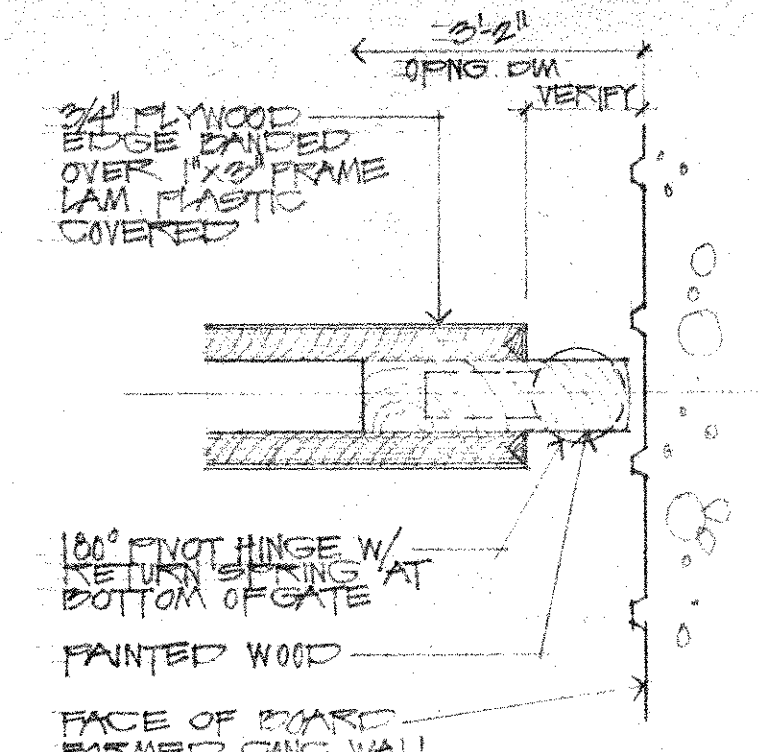
APPROVED FOR PERMIT  
3271 + APPROVED PER 1/3/19/0  
*B. H. H. H.*

APPROVED  
STATE OF CALIFORNIA  
DATE 1/3/19/0  
*OC*

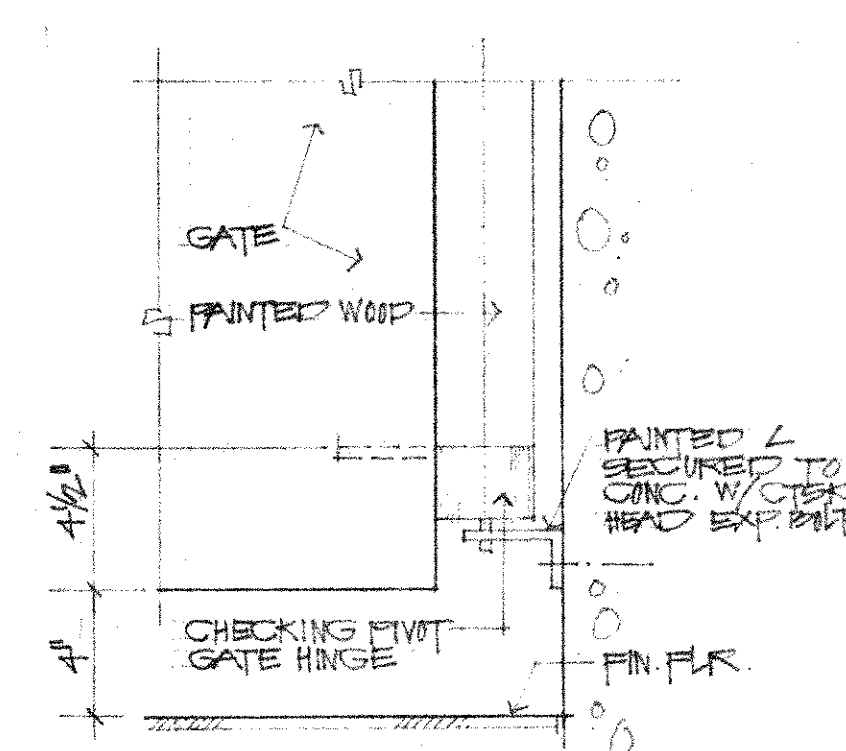




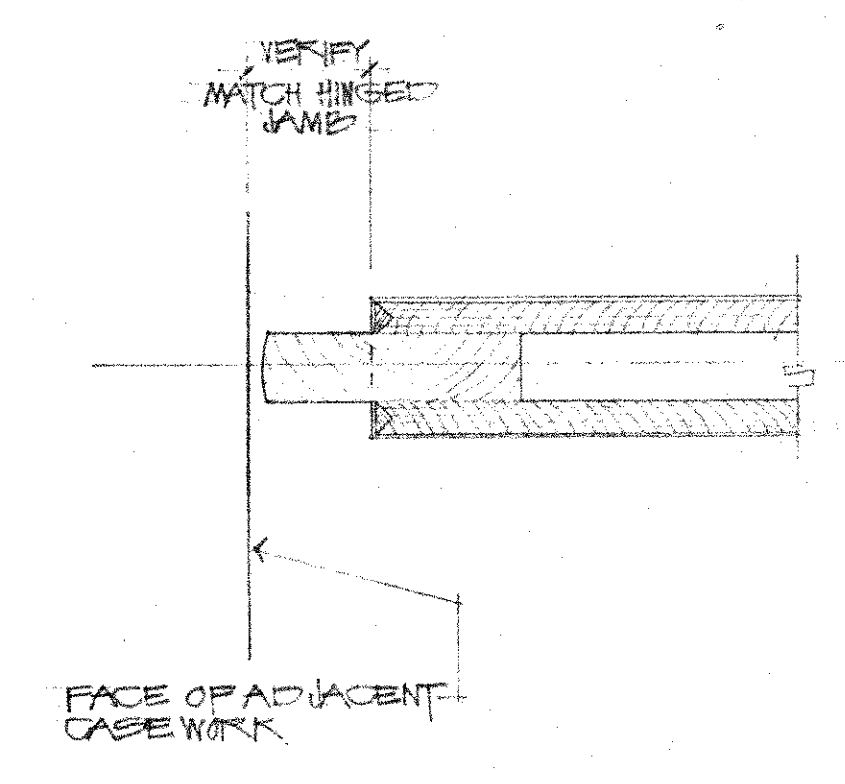
ELEVATION GATE JAMB SCALE 3/4" = 1'-0" C



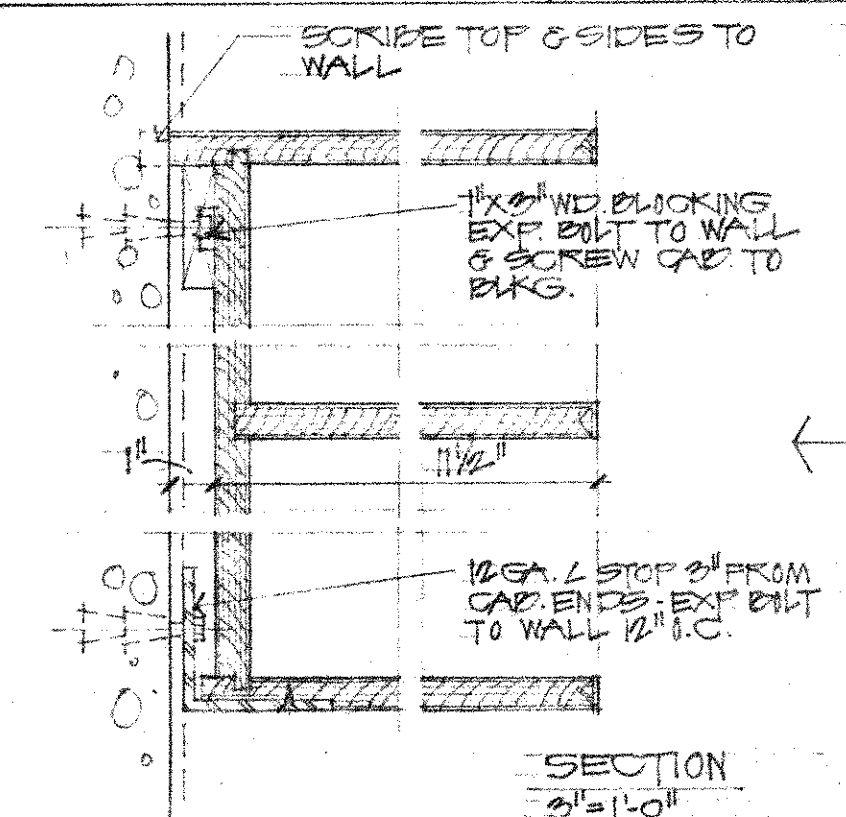
GATE JAMB SCALE 3/4" = 1'-0" A



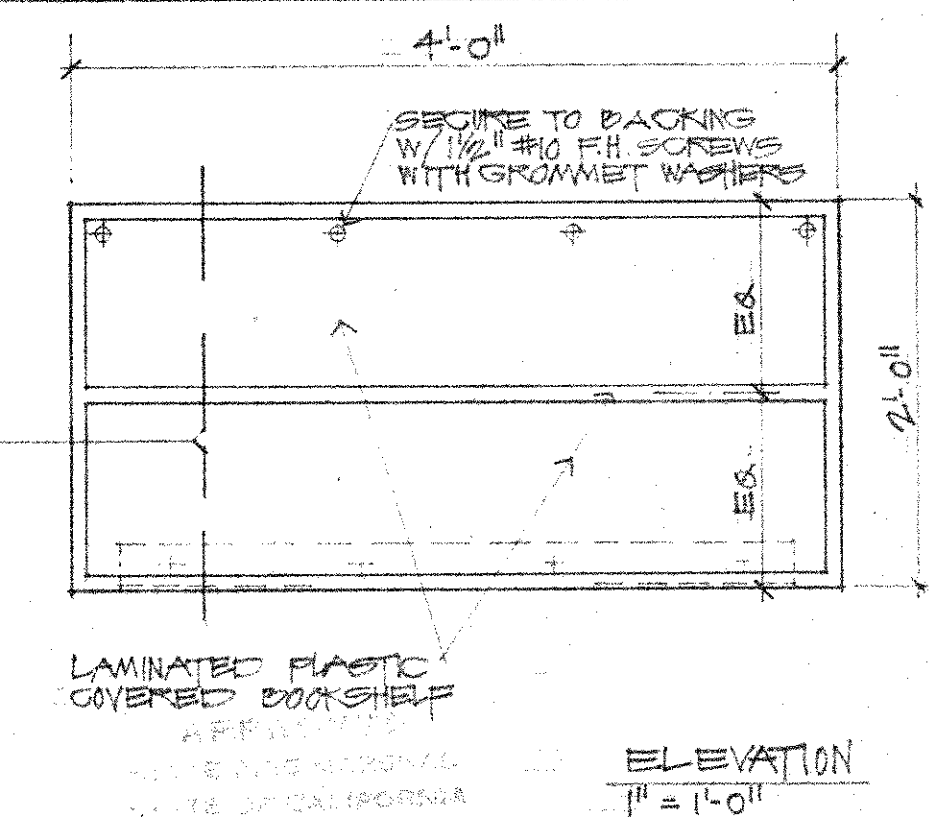
ELEVATION GATE JAMB SCALE 3/4" = 1'-0" D



GATE JAMB SCALE 3/4" = 1'-0" B



BOOKSHELF



CASE WORK SCALE AS NOTED E

STATE OF CALIFORNIA DEPARTMENT OF CLERICAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION  
02716 APPROVED FEB 1 1970  
B. Harder

SCALE AS NOTED  
DATE  
DRAWN VON SUND  
JOB C-1007

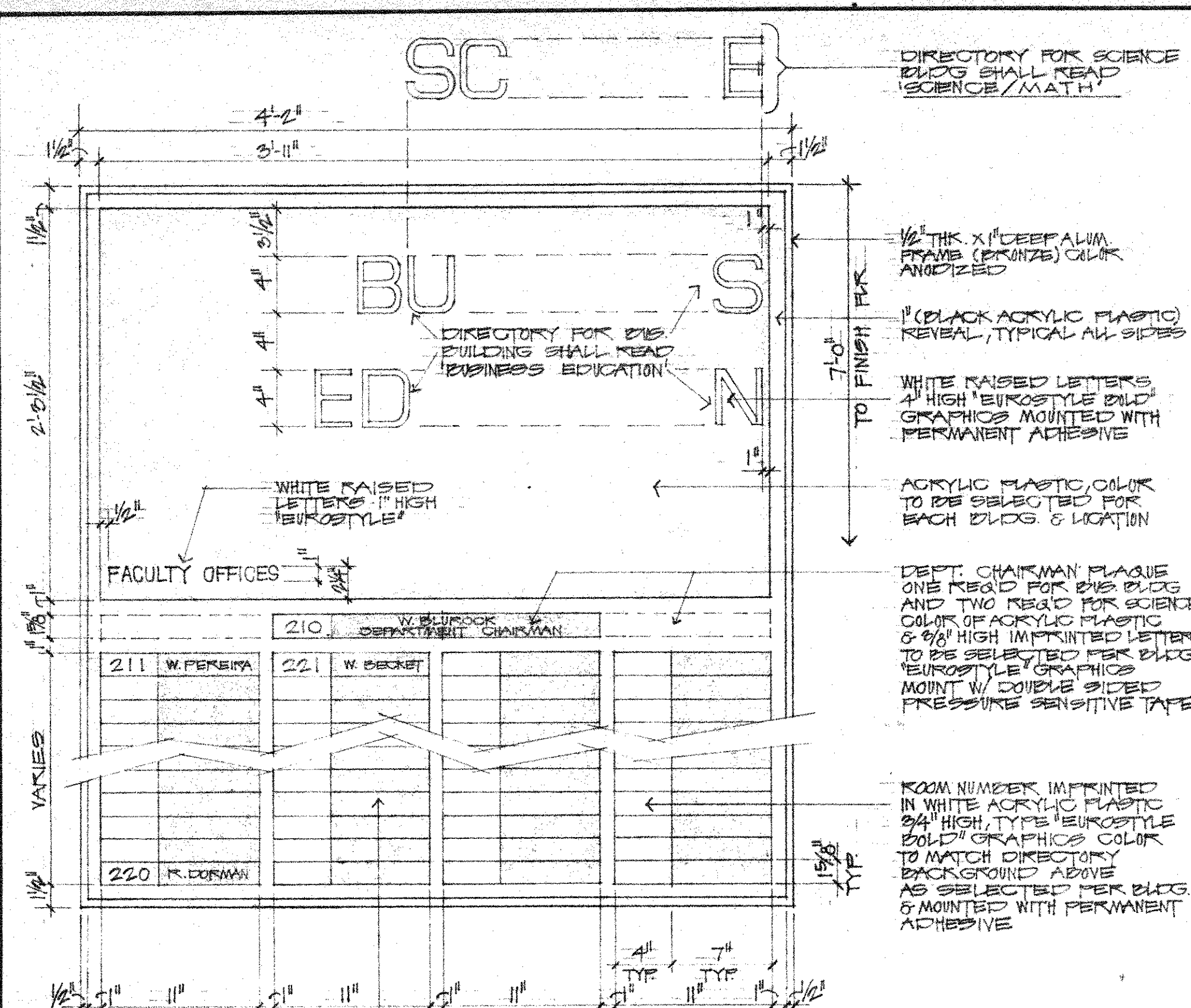
CYPRESS COLLEGE  
PHASE II

William Blurock  
WB ARCHITECTS PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

CASE WORK

SHEET 18.06 OF





**DIRECTORY FOR SCIENCE BLDG SHALL READ SCIENCE / MATH**

**1/2" THK X 1" DEEP ALUM. FRAME (BRONZE) COLOR ANODIZED**

**1" (BLACK ACRYLIC PLASTIC) REVEAL, TYPICAL ALL SIDES**

**WHITE RAISED LETTERS 1/4" HIGH "EUROSTYLE BOLD" GRAPHICS MOUNTED WITH PERMANENT ADHESIVE**

**ACRYLIC PLASTIC, COLOR TO BE SELECTED FOR EACH BLDG. & LOCATION**

**DEPT. CHAIRMAN PLAQUE ONE REQ'D FOR BUS. BLDG AND TWO REQ'D FOR SCIENCE COLOR OF ACRYLIC PLASTIC 6 3/8" HIGH IMPRINTED LETTERS TO BE SELECTED PER BLDG. "EUROSTYLE" GRAPHICS MOUNT W/ DOUBLE SIDED PRESSURE SENSITIVE TAPE**

**ROOM NUMBER IMPRINTED IN WHITE ACRYLIC PLASTIC 3/4" HIGH, TYPE "EUROSTYLE BOLD" GRAPHICS COLOR TO MATCH DIRECTORY BACKGROUND ABOVE AS SELECTED PER BLDG. & MOUNTED WITH PERMANENT ADHESIVE**

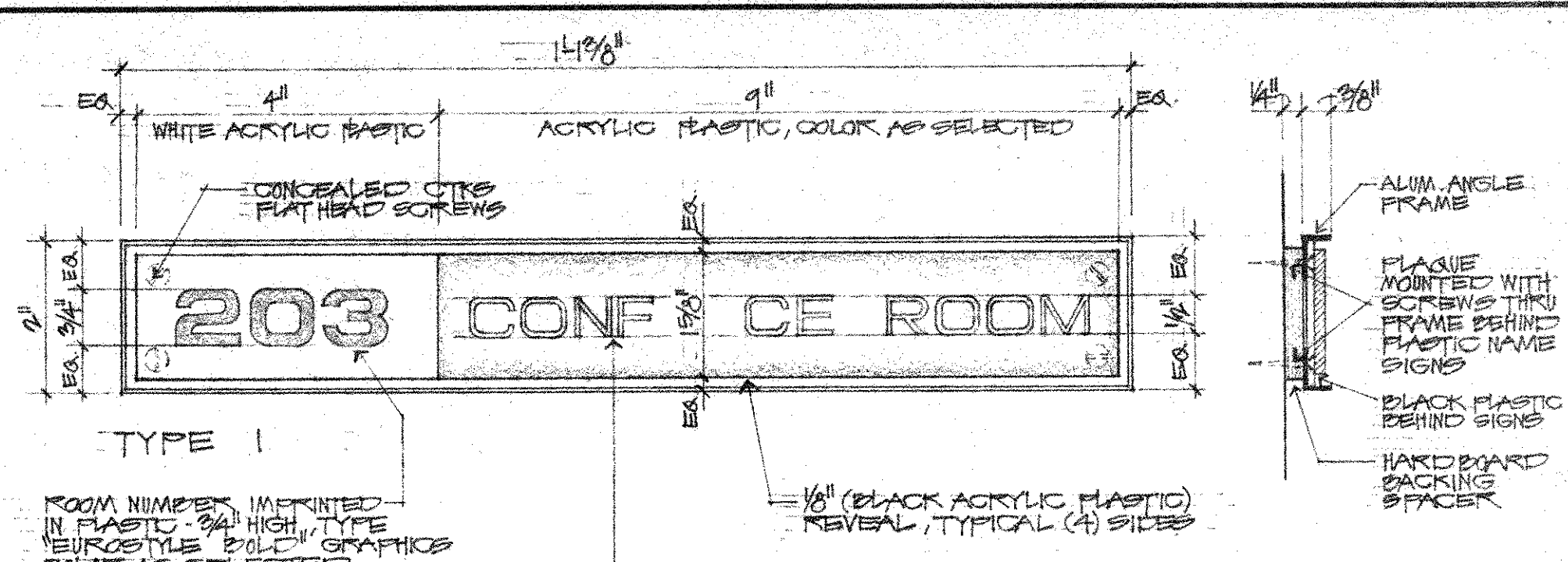
**NOTE:**

ATTACH DIRECTORIES TO WALLS WITH CONCEALED CTKS FLAT HEAD TOGGLE BOLTS ART. 20" O.C. PROVIDE 1/4" HARDBOARD BACKING SPACER SIM. TO DTL A/19.01 DOOR PLAQUE SEE INTERIOR ELEVATIONS FOR DIRECTORY LOCATIONS

**STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES OFFICE OF ARCHITECTURE AND CONSTRUCTION**

**32715 APPROVED FEB 13 1970**

**APPROVED BY: [Signature]**



**TYPE I**

**ROOM NUMBER IMPRINTED IN PLASTIC - 3/4" HIGH, TYPE "EUROSTYLE BOLD" GRAPHICS COLOR AS SELECTED**

**ROOM DESIGNATION OR FACULTY NAME IMPRINTED IN PLASTIC - 1/2" HIGH, TYPE "EUROSTYLE BOLD" GRAPHICS - COLOR SHALL BE WHITE**

**NOTE:**

PLAQUES SHALL HAVE EXTRUDED ALUM. L FRAMES - MADE FROM ONE CONTINUOUS PIECE OF ALUM. ANGLE. SIGNS SHALL BE OVERLAPPED OVER (BLACK ACRYLIC PLASTIC) WITH DOUBLE SIDED PRESSURE SENSITIVE TAPE.

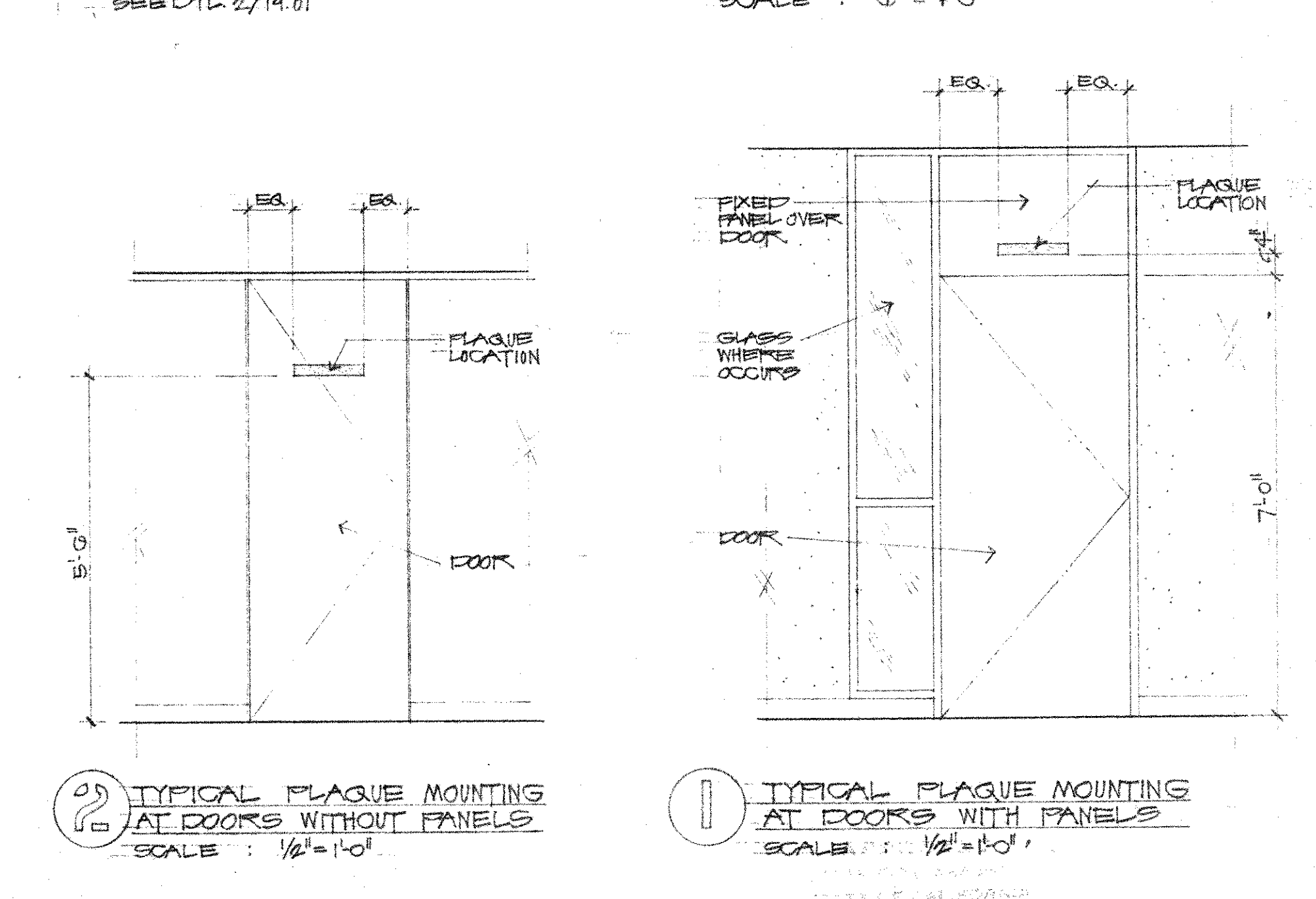
**MOUNTING OF DOOR PLAQUE:**

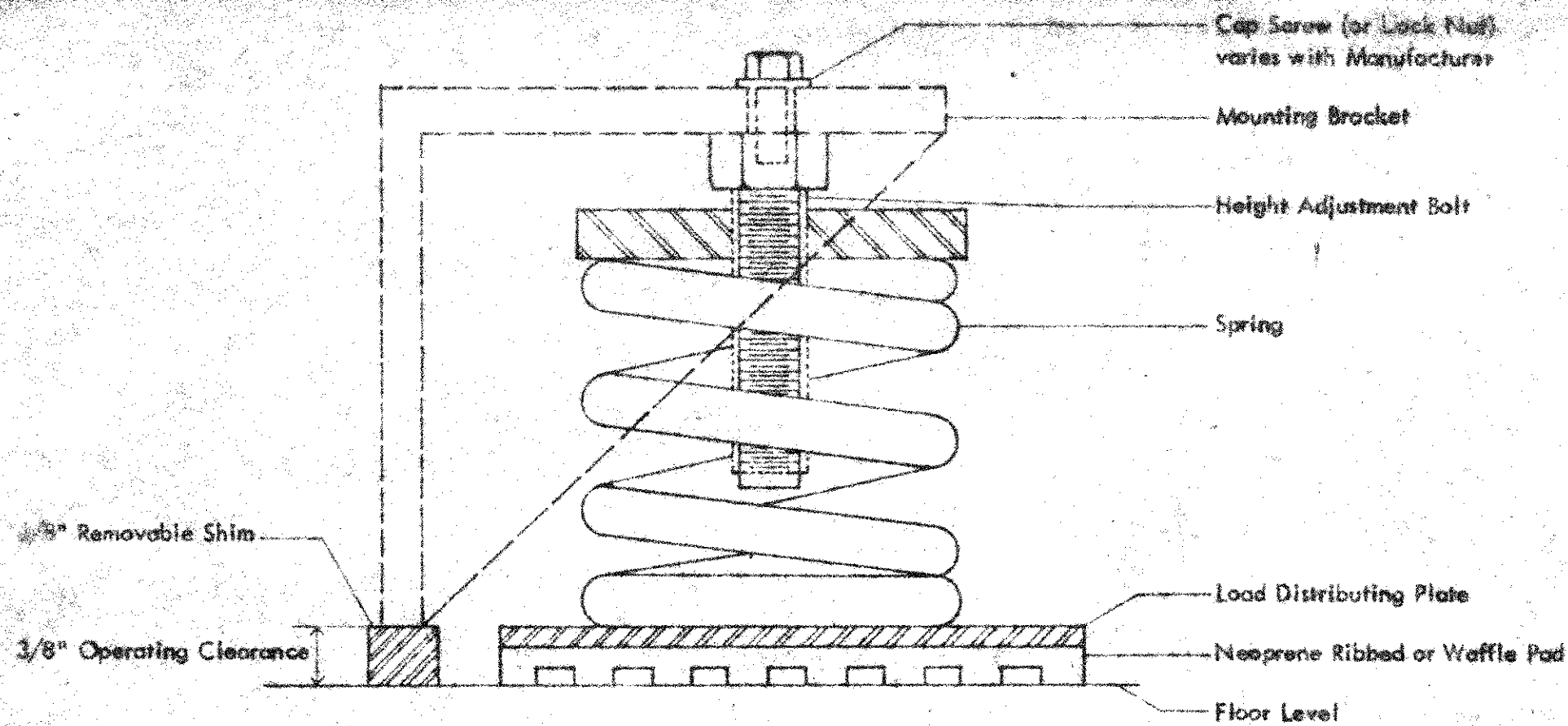
(1) DOORS W/ PANELS OVER-MOUNT ON PANEL, BOTT. OF SIGN 4" FROM BOTT. OF PANEL SEE DTL 1/19.01

(2) DOORS WITHOUT PANELS OVER-MOUNT ON DOOR BOTT. OF SIGN AT 5'-0" ABOVE FIN. FLOOR SEE DTL 2/19.01

**PLAQUE ELEVATION**

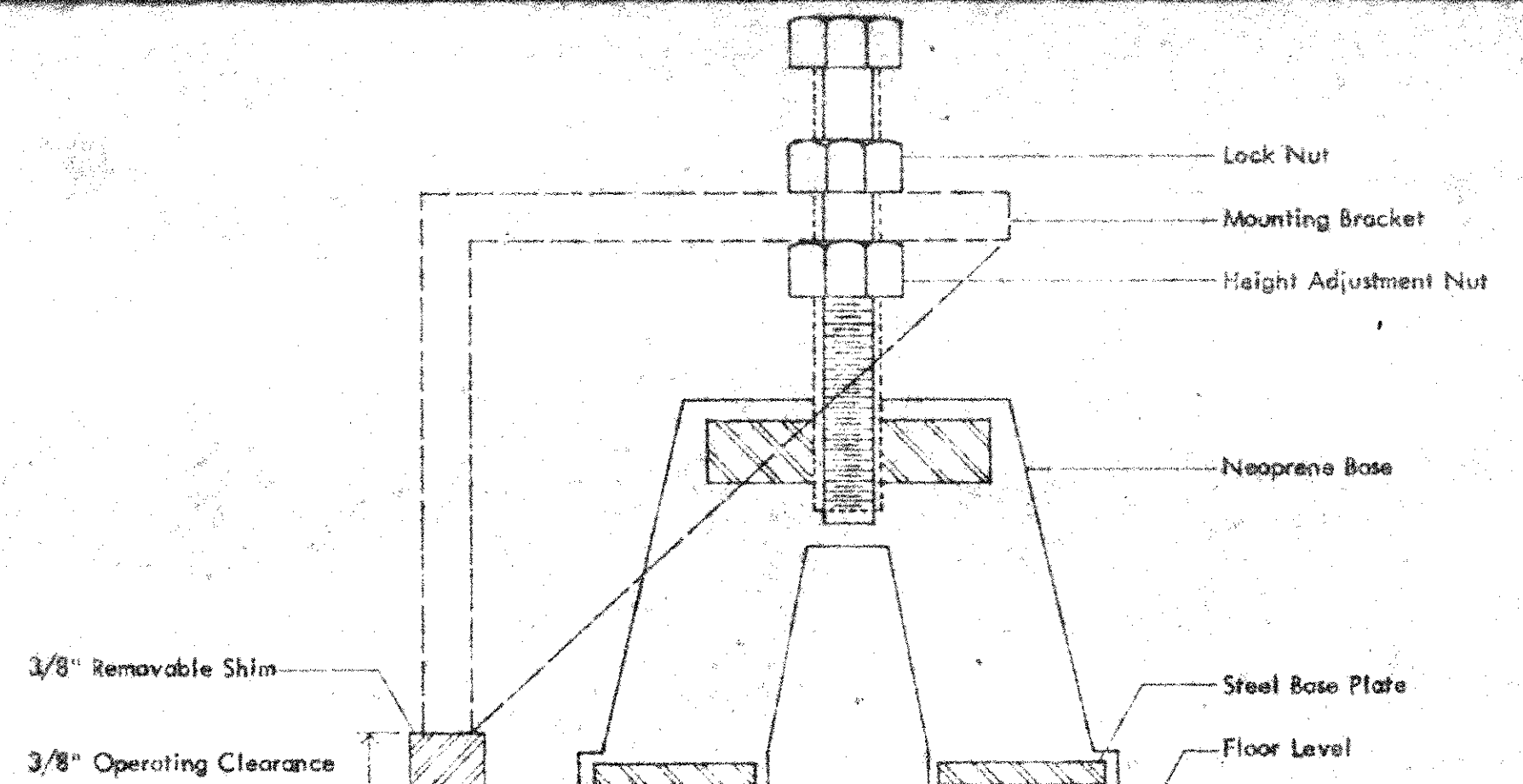
**SCALE: 3/8" = 1'-0"**





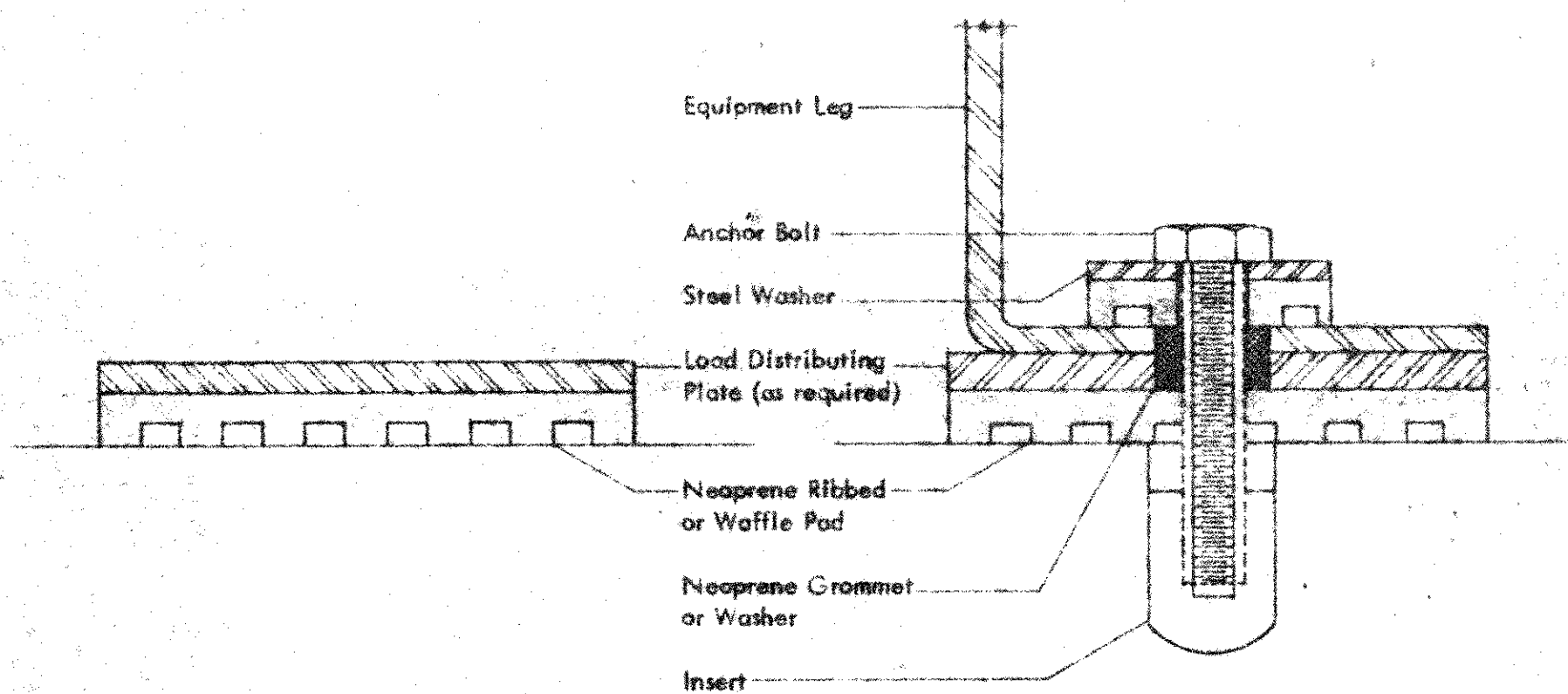
Notes: 1. See specification for installation and adjustment procedure.

Isolator, Type MS - Spring Mount



Notes: 1. See specification for installation and adjustment procedure.

Isolator, Type MN - Neoprene Mount



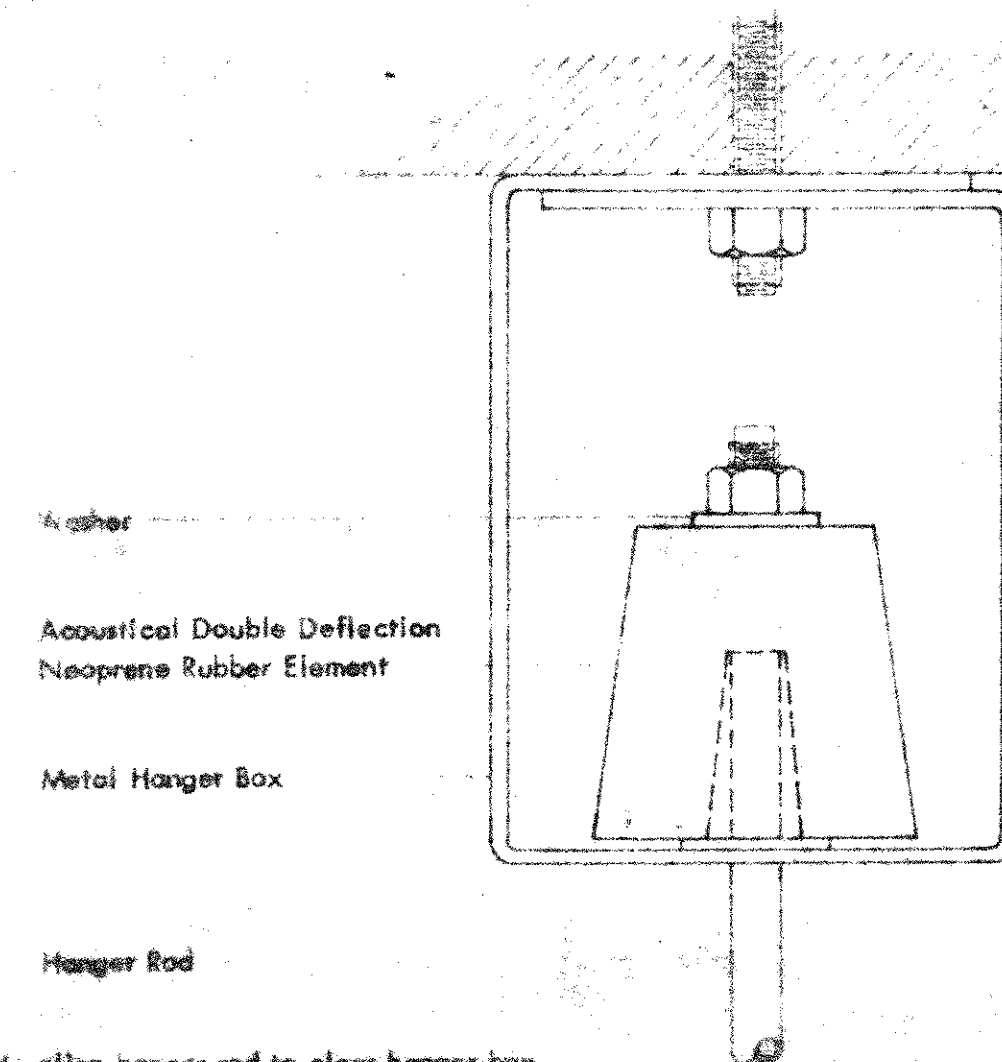
A Standard Isolator

B Anchor Bolt Mounting

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

82716 APPROVED FEB 13 1970

*B. H. H. H. H.*



Notes:

1. When mounting equipment, align hanger rod to clear hanger box.
2. Mount hanger box directly against structural element.
3. Do not support hanger from slab diaphragms.

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STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE: FEB 11 1970  
BY: *OC*

Isolator, Type PN - Neoprene Pad

Isolator, Type HN - Neoprene Hanger

SCALE: NONE  
DATE:  
DRAWN:  
JOB:

*Donald H. Rack*  
**RACK & SUNDERLAND**  
MECHANICAL ENGINEERS  
PASADENA CALIFORNIA



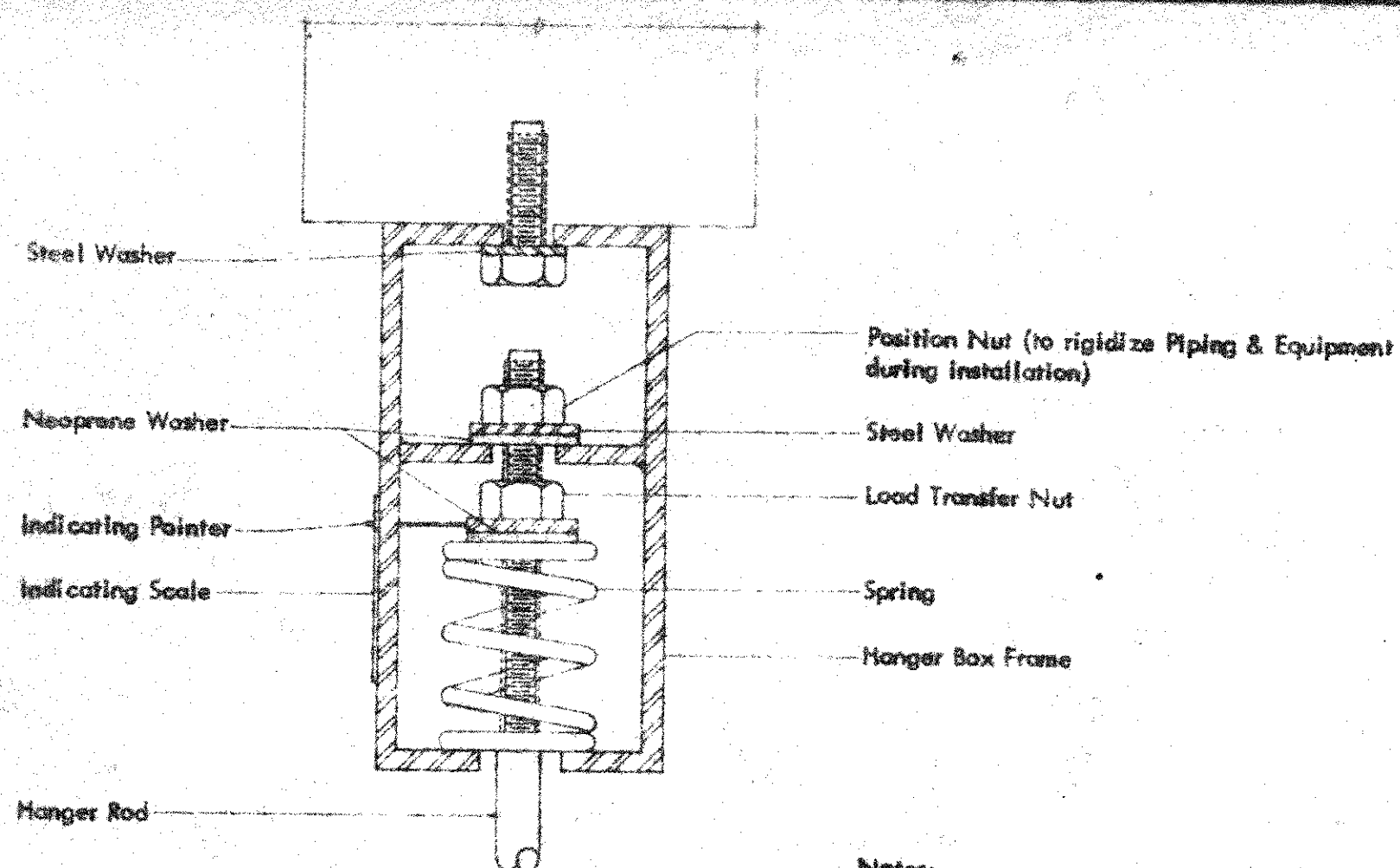
**WILLIAM E. BLUROCK & ASSOCIATES**  
**CAUDILL ROWLETT SCOTT**  
associated architects  
1550 BAYSIDE DR. CORONA, DEL MAR 92030 714 673 0300

**CYPRESS JUNIOR COLLEGE**  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

VIBRATION ISOLATION DETAILS

SHEET  
**20.01**  
OF



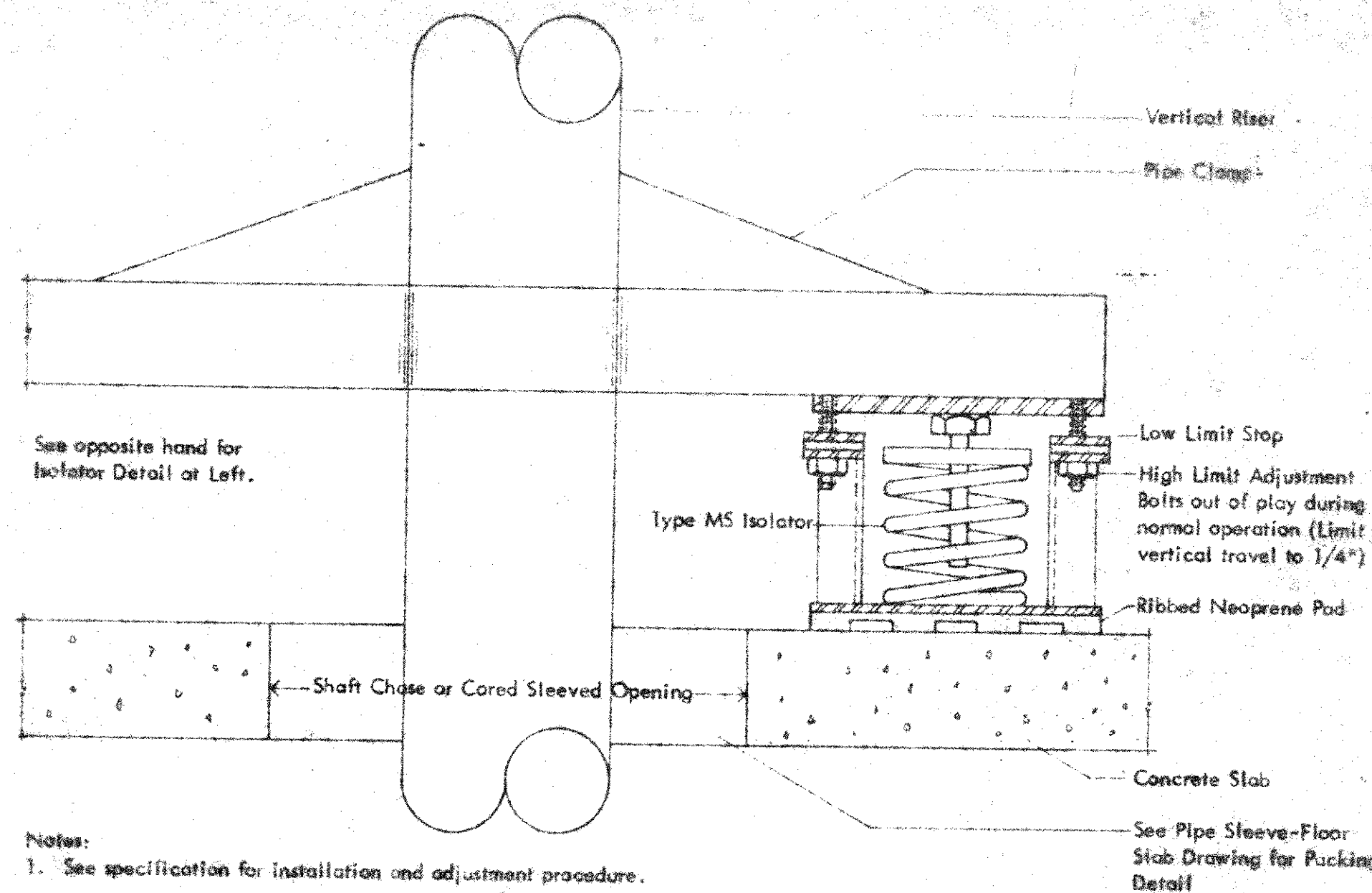


Notes:

1. When mounting equipment, align hanger rod to clear hanger box.
2. Mount hanger box directly against structural element.
3. Do not support hanger from slab diaphragms.
4. See specification for installation and adjustment procedure.

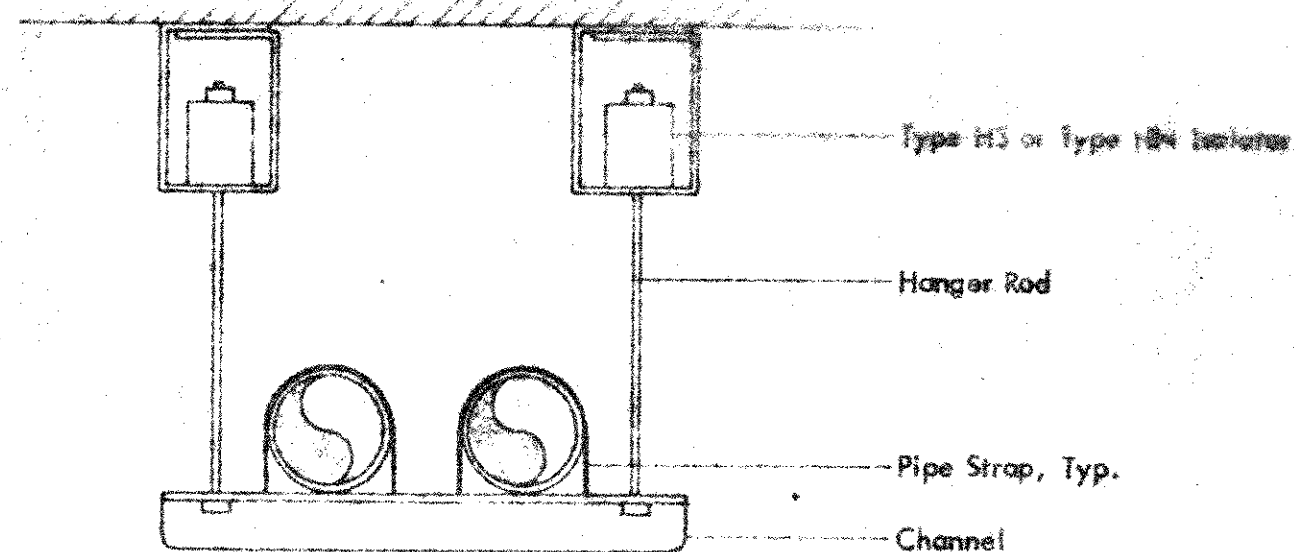
Isolator, Type HS - Spring Hanger

5



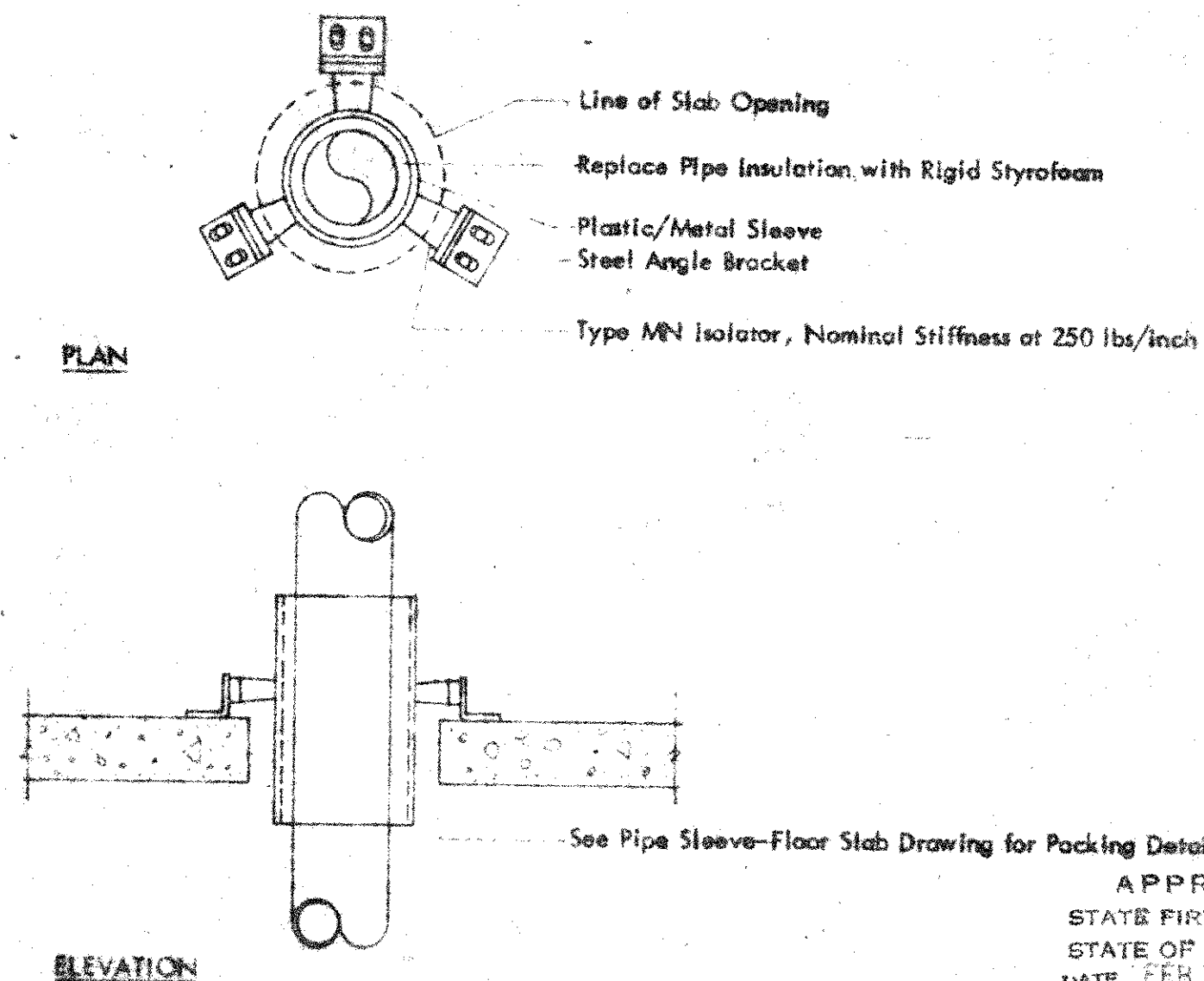
Pipe Support - Vertical Riser

6



Pipe Hanger - Trapeze

7



Pipe Guide - Vertical Riser

8

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OFFICE OF ARCHITECTURE AND CONSTRUCTION

82716 APPROVED FEB 13 1970

*B. Harder*

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE FEB 11 1970  
BY *BC*

SCALE: NONE

DATE

DRAWN

JOB

*Donald H. Nock*  
**W E**  
**NACK & SUDDERLAND**  
MECHANICAL ENGINEERS  
PASADENA CALIFORNIA



**WILLIAM E. BLUROCK & ASSOCIATES**  
**CAUDILL ROWLETT SCOTT**  
associated architects

1550 BAYSIDE DR. CORONA DEL MAR

714 673 0100

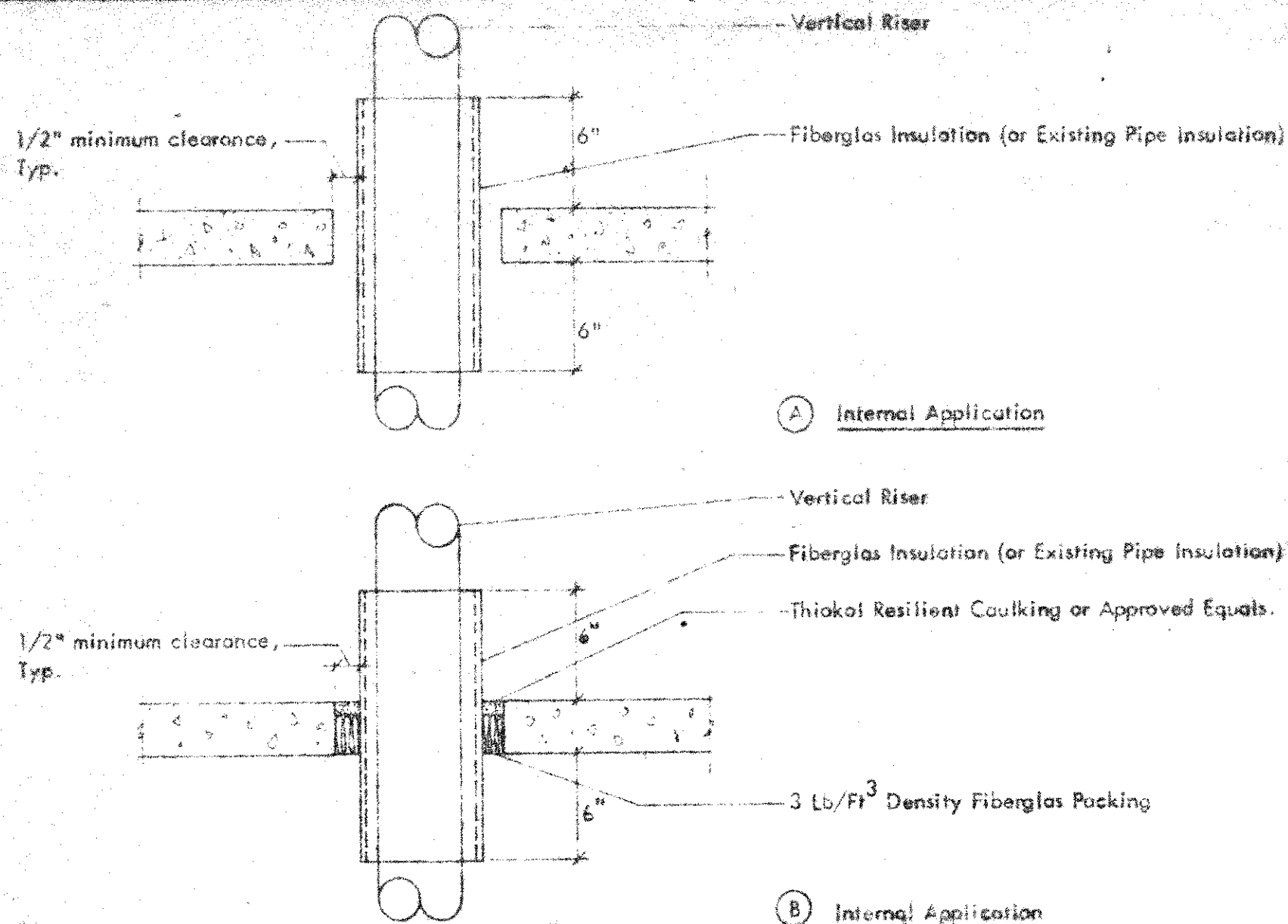
**CYPRESS JUNIOR COLLEGE**

NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

VIBRATION ISOLATION DETAILS

SHEET  
**20.02**

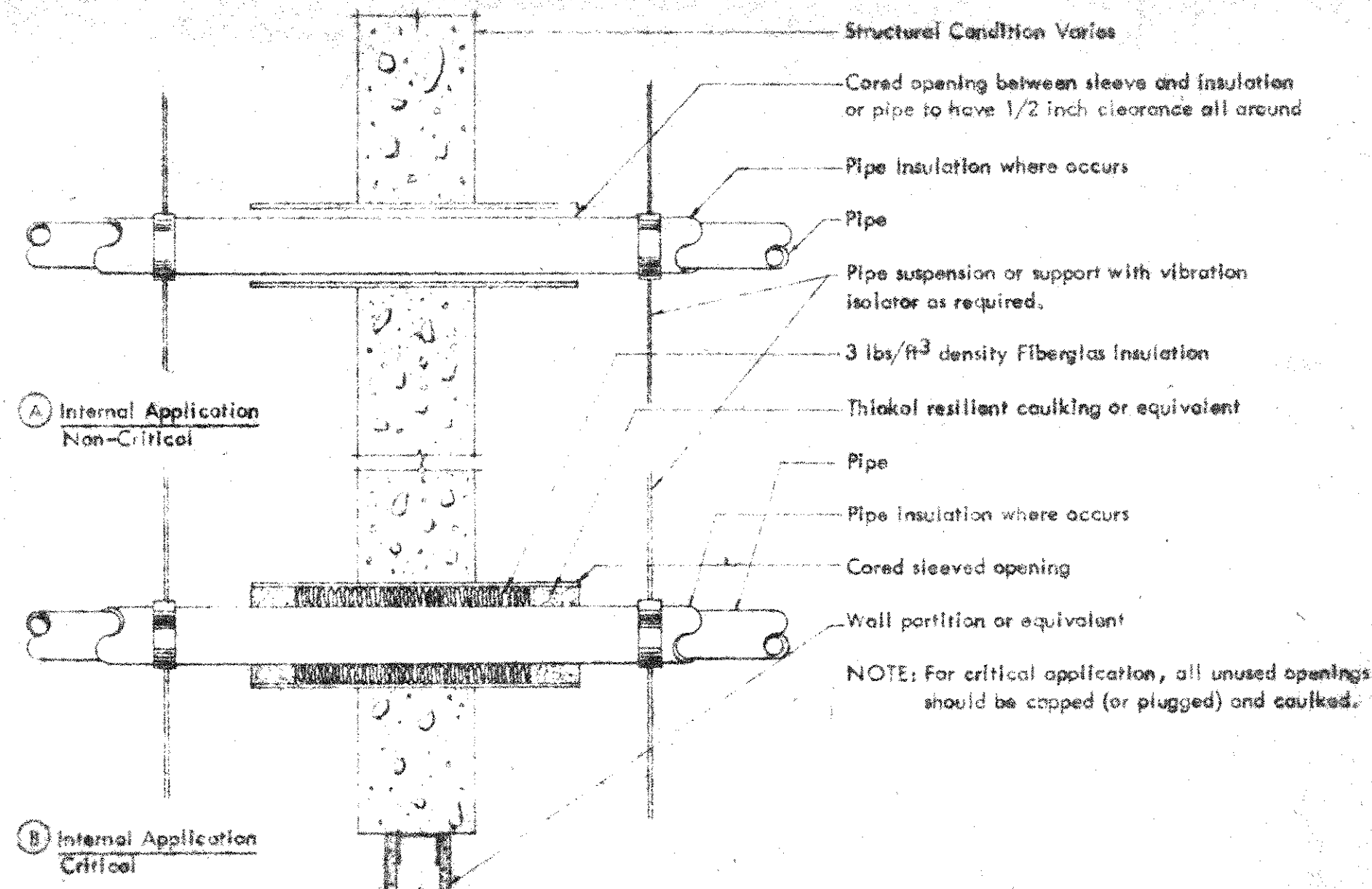
OF



Notes:  
1. Pipe to be centered in opening.

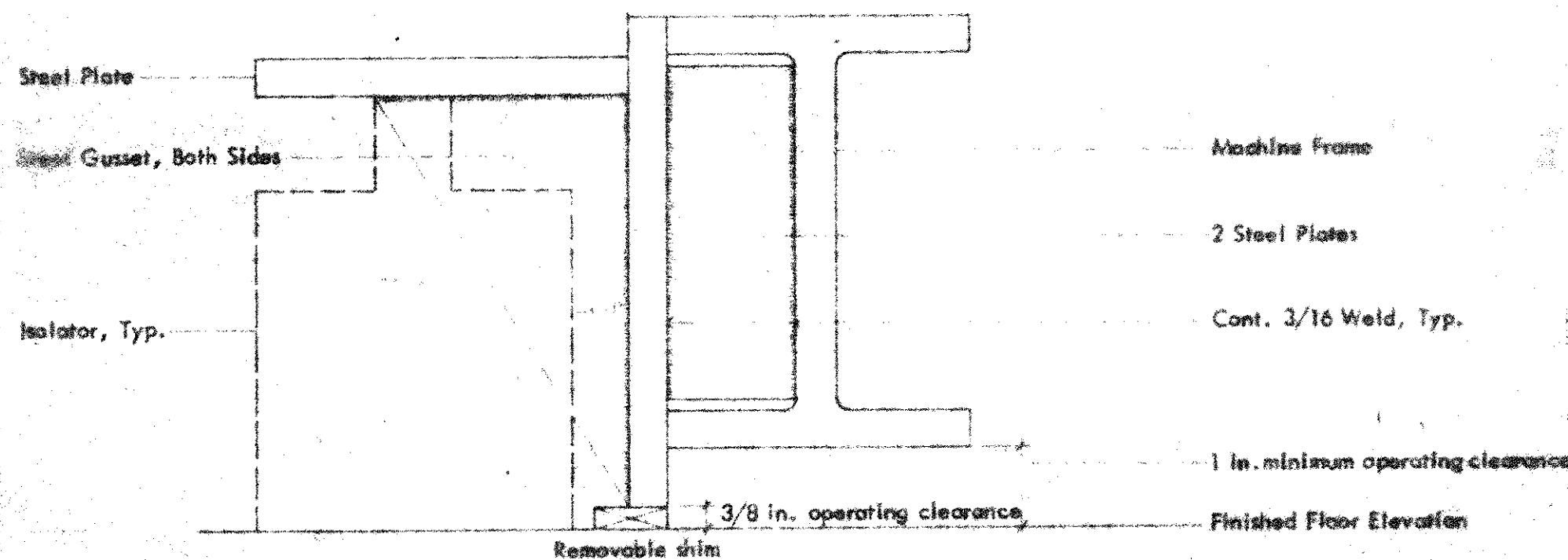
Pipe Sleeve - Floor Slab

9



Pipe Sleeve - Wall

10



Bracket Installation

11

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

3 2 71 6 APPROVED FEB 13 1970

BY *Beharles*

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE 12/11/1970  
BY *OC*

12

SCALE NONE  
DATE  
DRAWN  
JOB

*Donald H. Mack*  
**DRACK & SUNDERLAND**  
MECHANICAL ENGINEERS  
PASADENA CALIFORNIA



**WILLIAM E. BLUROCK & ASSOCIATES**  
**CAUDILL ROWLETT SCOTT**  
associated architects  
13500 RAYSIDE DR. CORONA DEL MAR 714 673-9300

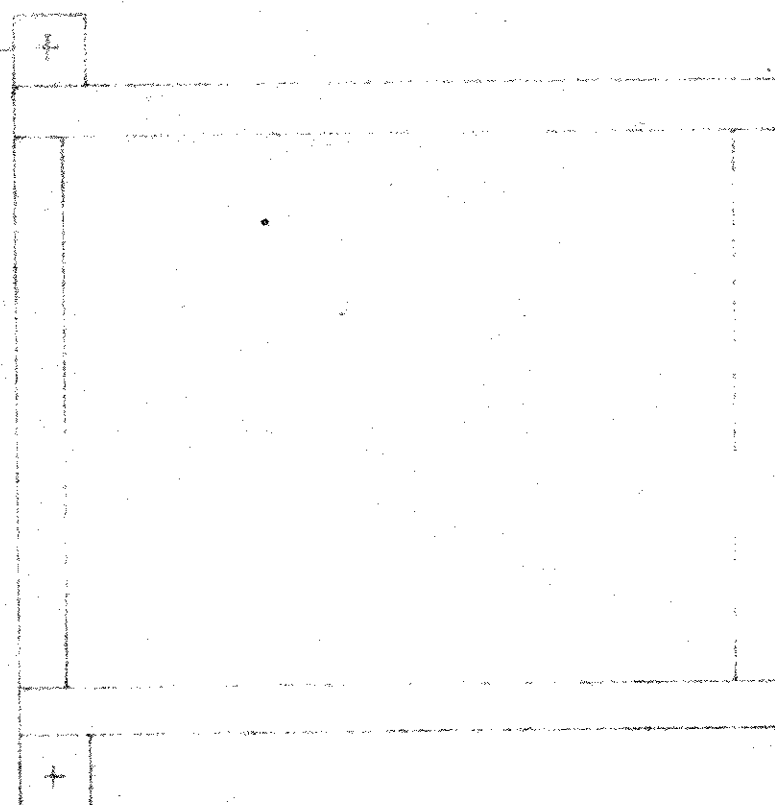
**CYPRESS JUNIOR COLLEGE**  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

VIBRATION ISOLATION DETAILS

SHEET  
**20.03**  
OF

Mounting Bracket, Typ.

Direction of Air Flow

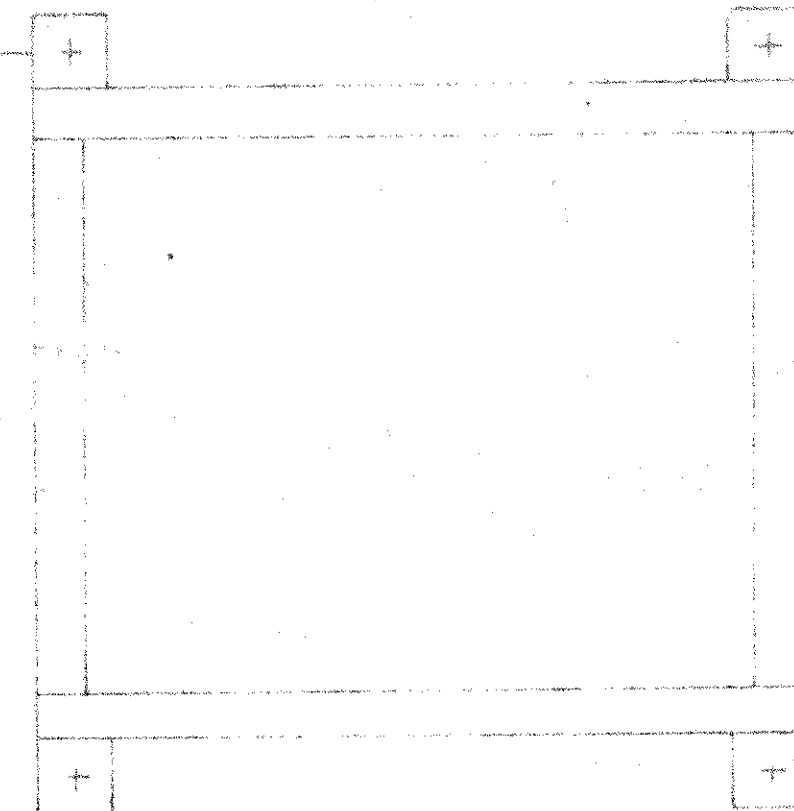


Notes:

1. All structural members shall be as follows:  
Type A frame - WF beam  
Type B frame - Channel steel
2. Depth of frame shall be 1/10th longest frame dimension.

Mounting Bracket, Typ.

Direction of Air Flow



Notes:

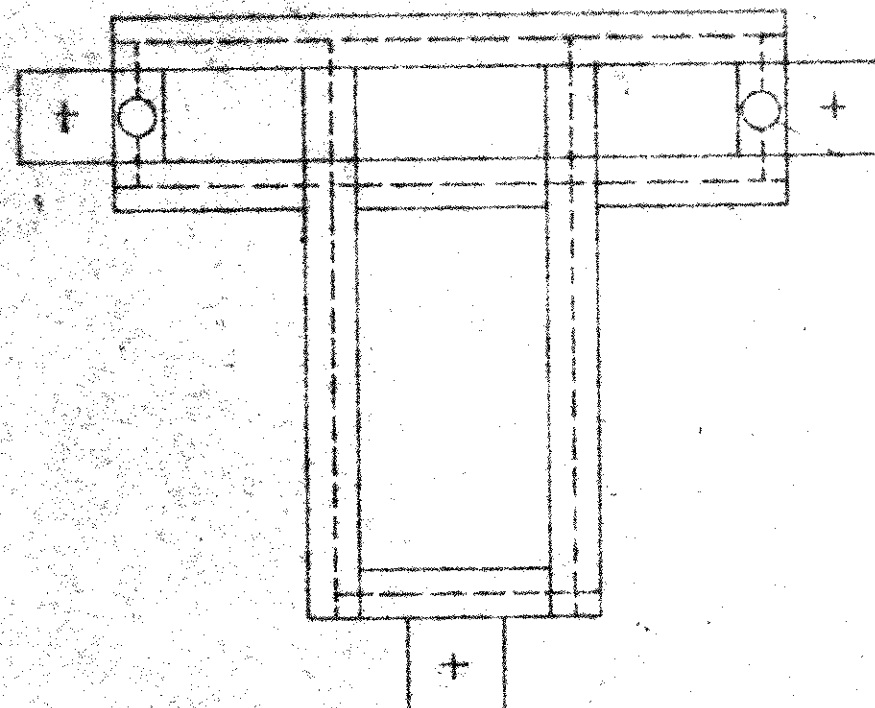
1. All structural members shall be as follows:  
Type A frame - WF beam  
Type B frame - Channel steel
2. Depth of frame shall be 1/10th longest frame dimension.

Frame - General Purpose - 3 Point Suspension

13

Frame - General Purpose - 4 Point Suspension

14



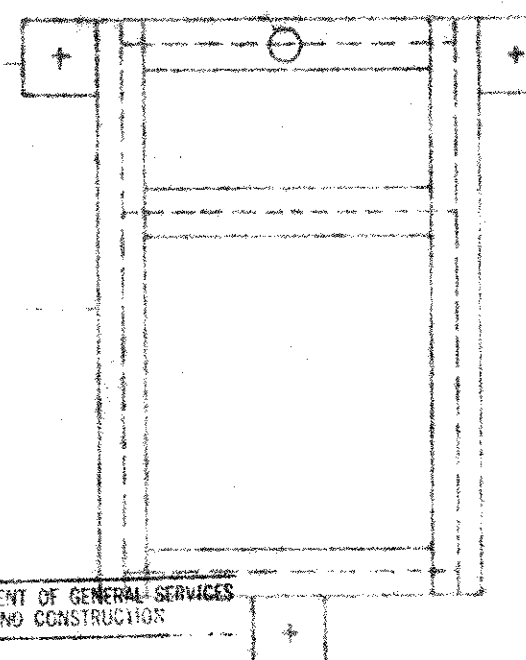
Notes:

1. All structural members shall be wide flange beam, as indicated.
2. Depth of frame shall be 1/10th longest frame dimension.

Elbow Support

Mounting Bracket, Typ.

Wide Flange Beam



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3 2 7 1 6 APPROVED FEB 13 1970  
*ASHARDOR*

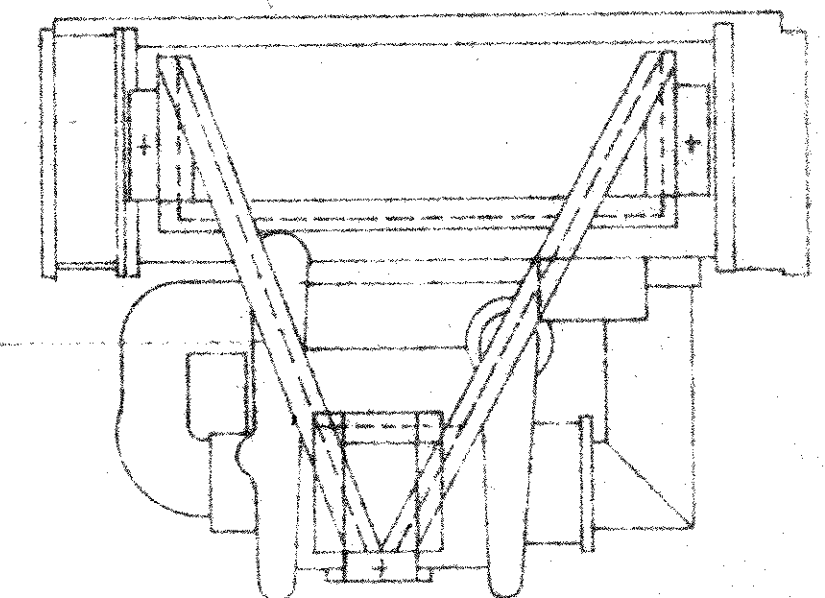
Notes:

1. All structural members shall be wide flange beams, as indicated.
2. Depth of frame shall be 1/10th longest frame dimension.

Centrifugal Chiller

Mounting Bracket, Typ.

Wide Flange Beam



Notes:

1. All structural members to be wide flange beams.
2. Depth of frame shall be 1/10th longest frame dimension.

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STATE OF CALIFORNIA  
DATE FEB 11 1970  
BY *Re*

Frame - Splitcase Horizontal Pump

15

Frame - End Suction Pump

16

Frame, Centrifugal Chiller

17

SCALE NONE

DATE

DRAWN

JOE

*Ronald H. Mack*  
**MACK & SUNDERLAND**  
MECHANICAL ENGINEERS  
PASADENA CALIFORNIA



**WILLIAM E. BLUROCK & ASSOCIATES**  
CAUDILL ROWLETT SCOTT  
associated architects

1000 BAYSIDE DR. CORONA DEL MAR

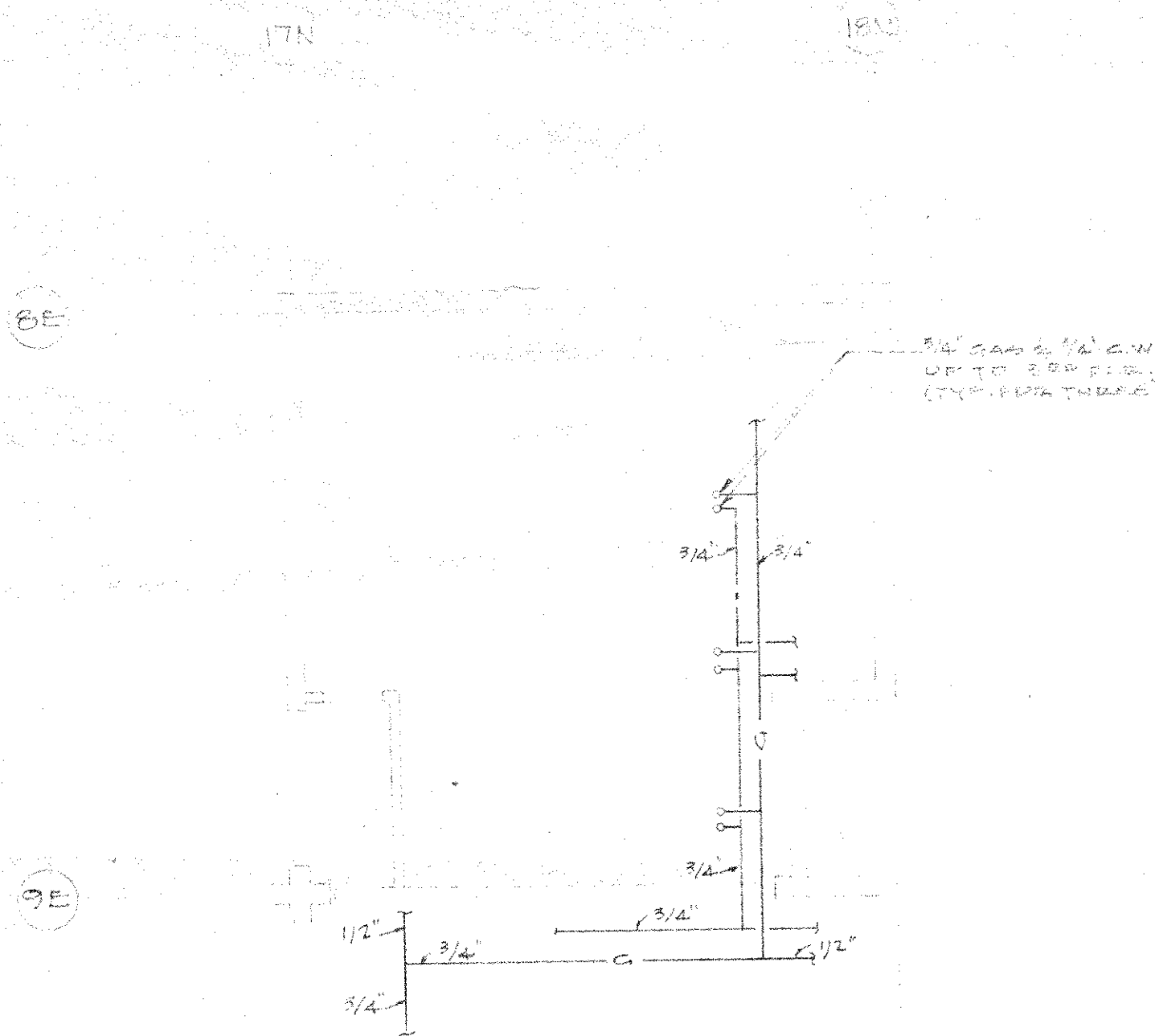
714 673 0300

**CYPRESS JUNIOR COLLEGE**  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

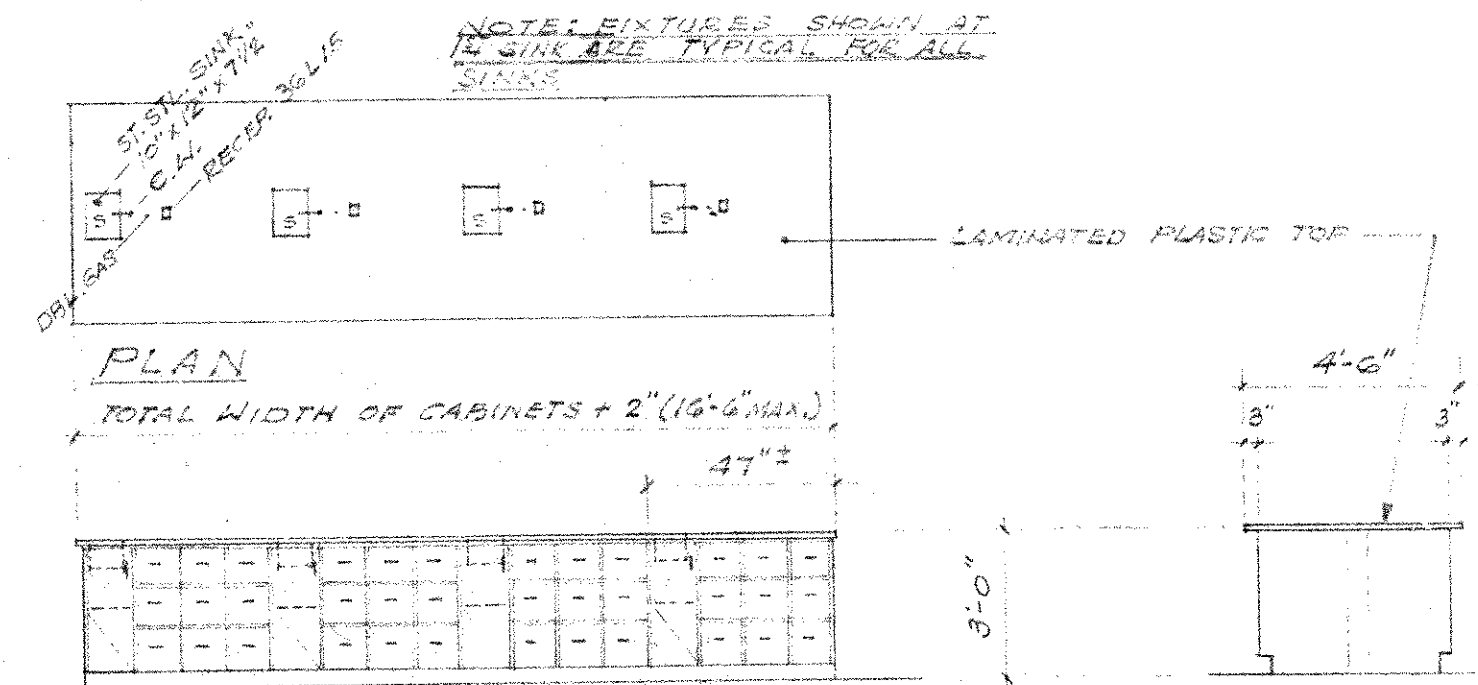
VIBRATION ISOLATION DETAILS

SHEET  
**20.04**  
OF



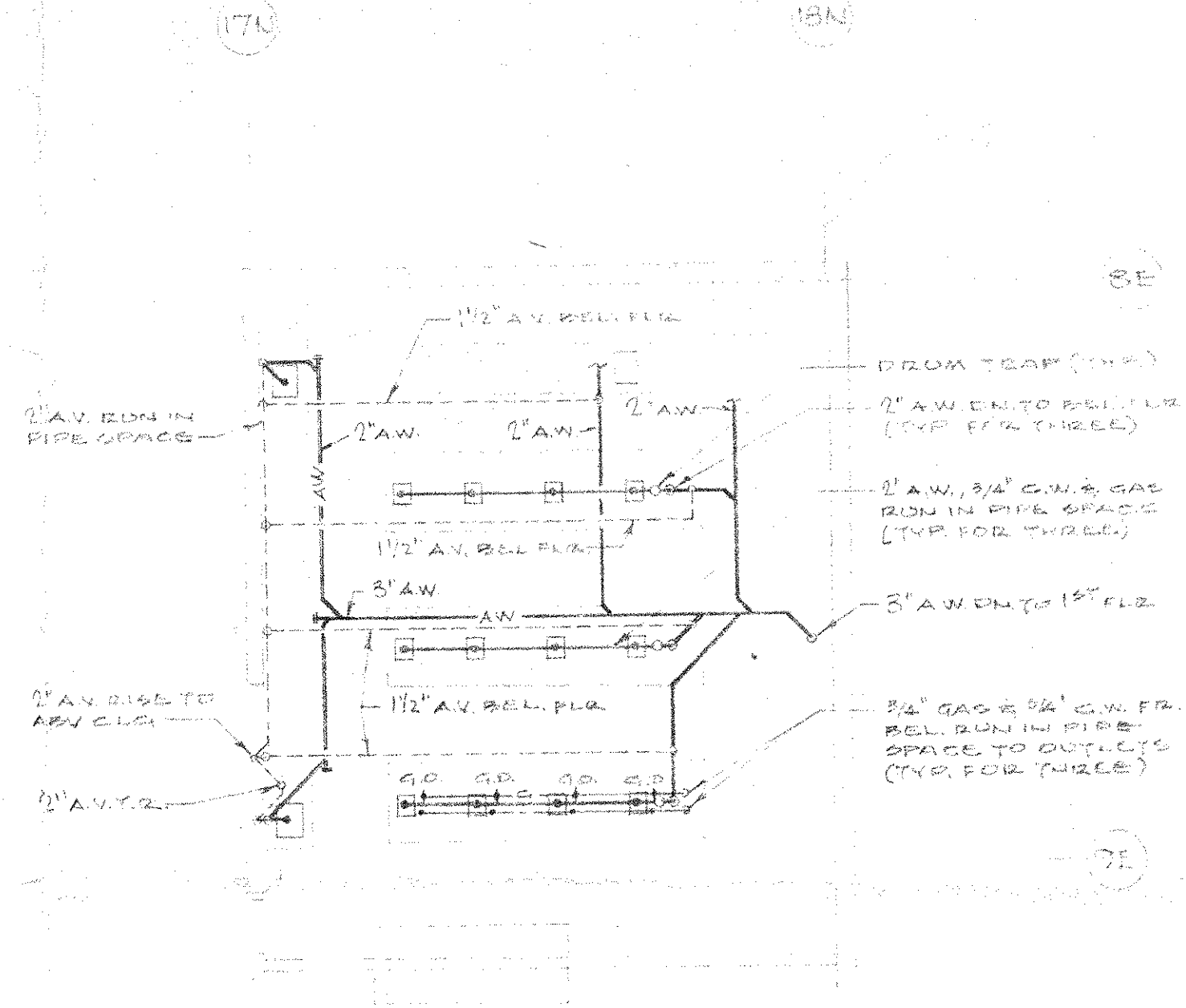


**PIPING FLOOR PLAN**  
2ND FLR. REF. CONT. DWG. P-4A  
SCALE 1/8" = 1'-0"



**SIDE ELEVATION**  
(OPPOSITE SIDE IS OPPOSITE HAND)  
24389M HAMILTON  
MFG. CO. (TYPICAL)

**STUDENT TABLES**  
MICROBIOLOGY LAB RM. #325  
3 REQ'D (THESE TABLES ARE SHOWN ON FLOOR PLAN - SHEET 3-A)



**DRAINAGE FLOOR PLAN**  
3RD FLR. REF. CONT. DWG. P-5A  
SCALE 1/8" = 1'-0"

**NOTE:**  
THIS ADDENDUM DRAWING APPLIES TO THREE STUDENT TABLES IN MICROBIOLOGY RM. #325 ONLY. ALL PIPING, NOTES, ETC. NOT SHOWN ON THIS ADDENDUM DRAWING SHALL BE AS SHOWN ON THE ORIGINAL CONTRACT DRAWINGS AND SPECIFICATIONS.

Special Note: Delete the word "top". Standard casework with 1 inch overhang of top is intended.

**ADDENDUM SHEET**

SCALE AS NOTED  
DATE 6-9-70  
DRAWN 12.1.70  
6-1007

**NACK & SUNDERLAND**  
MECHANICAL ENGINEERS



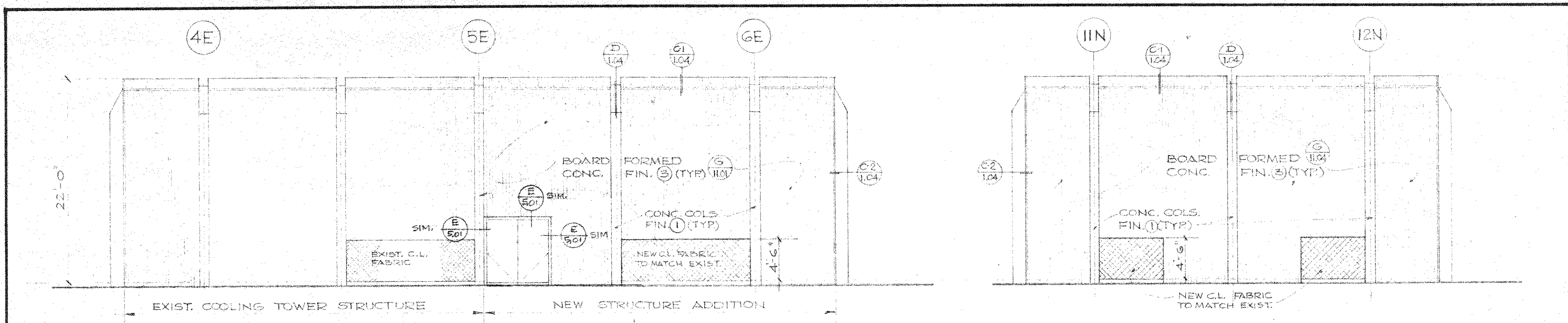
**WILLIAM E. BLUROCK & ASSOCIATES**  
CAUDILL ROWLETT SCOTT  
associated architects  
1550 BAYSIDE DR. CORONA DEL MAR 714 673-0300

**CYPRESS JUNIOR COLLEGE**  
NORTH ORANGE COUNTY JUNIOR COLLEGE DISTRICT

SCIENCE BUILDING  
PHASE II

SHEET  
**A13-2**  
OF

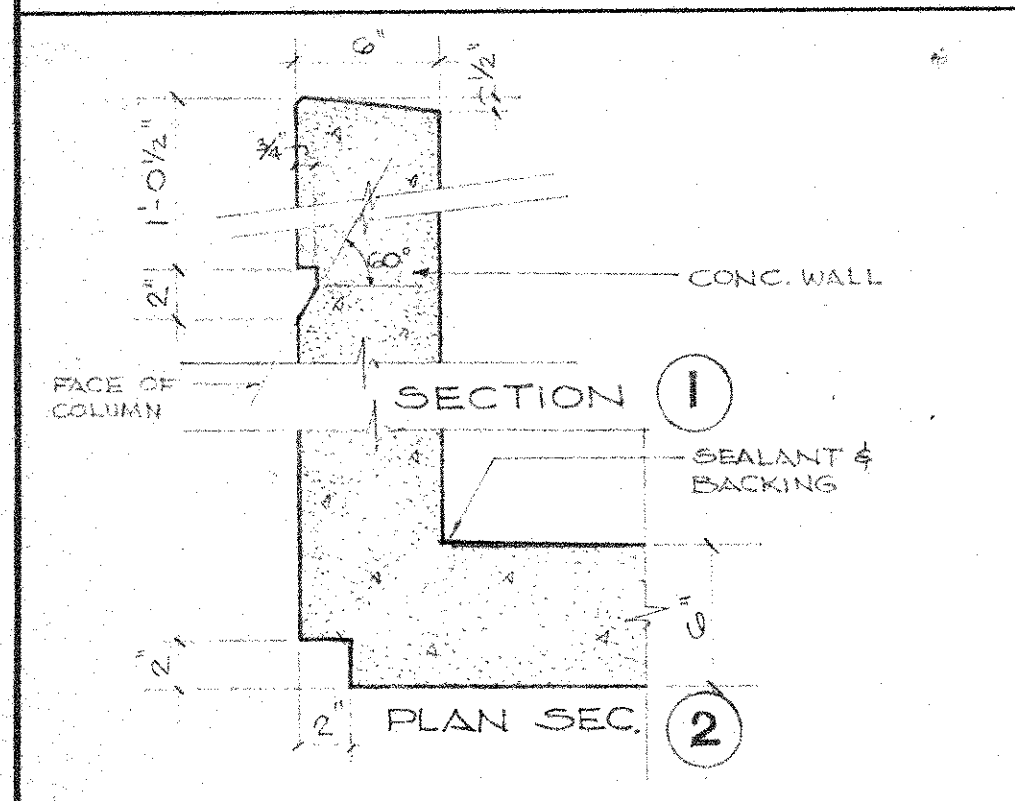
Job Completed 1973



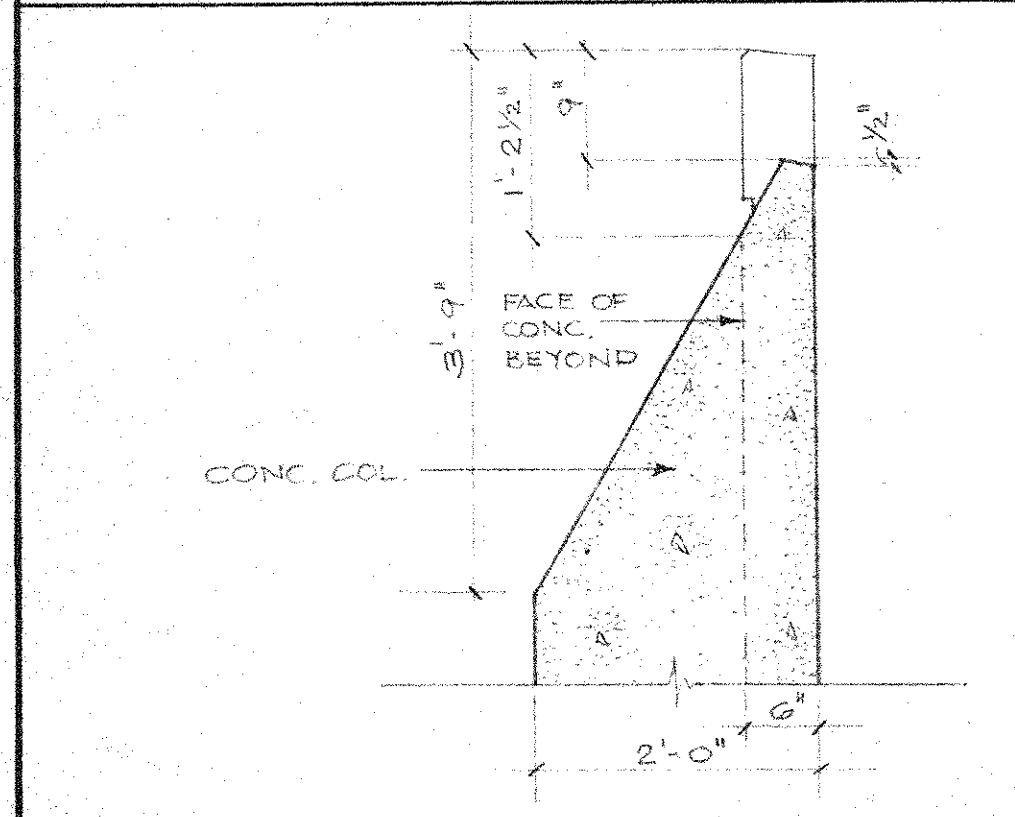
SOUTH ELEVATION (NORTH ELEV. SIMILAR)

EAST ELEVATION

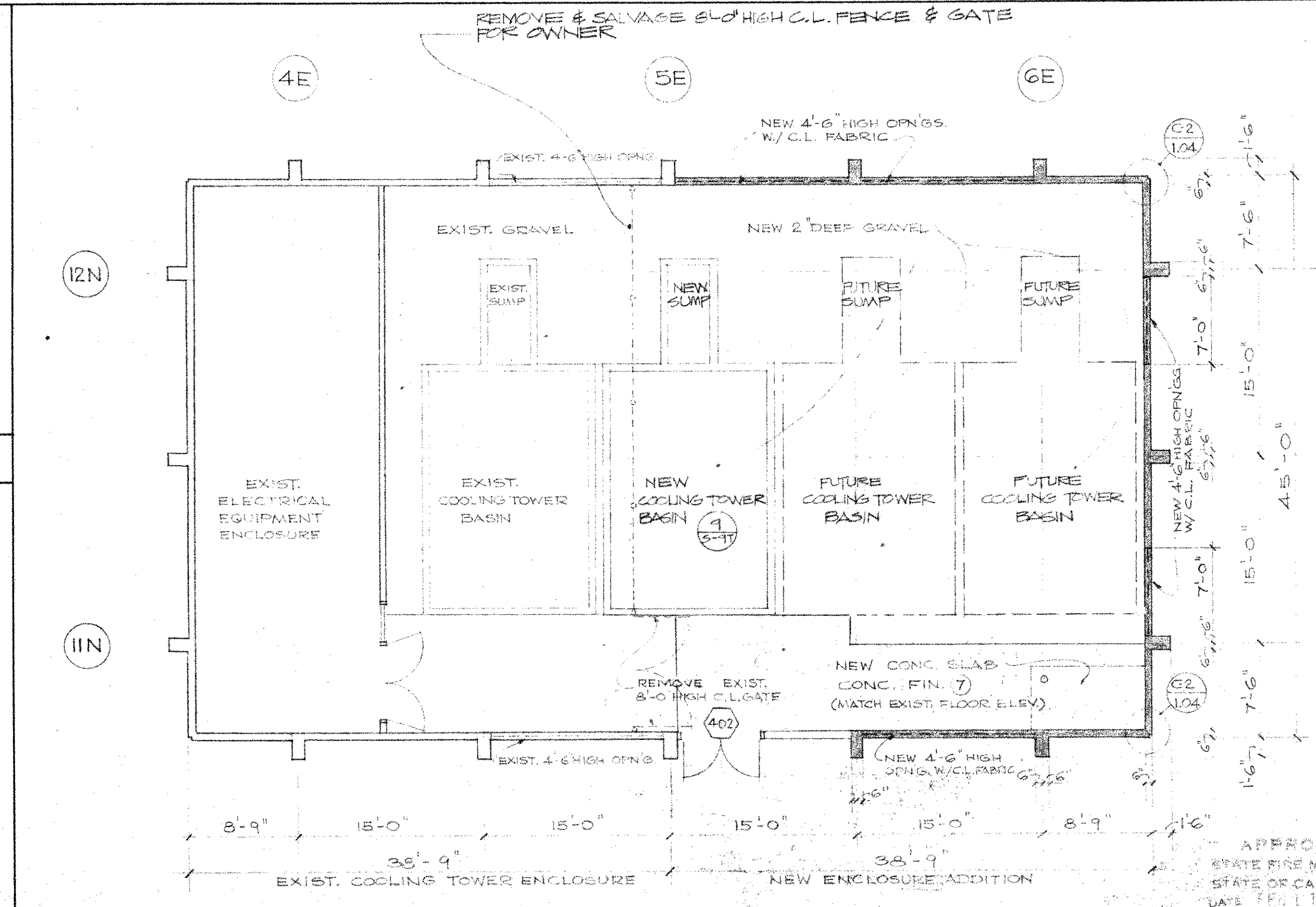
SCALE 1/8"=1'-0" **B**



WALL SECTIONS SCALE 1/2"=1'-0" **C**

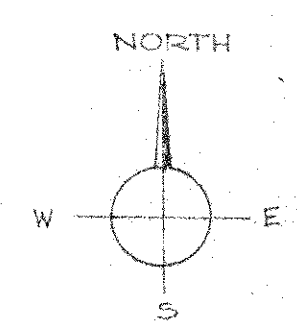


COLUMN DETAIL SCALE 3/4"=1'-0" **D**



PLAN

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION  
82716 APPROVED FEB 1 1970  
APPROVED FOR: *[Signature]*



APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE FEB 1 1970

# INTERIOR FINISH SCHEDULE

SPACE		FLOOR			BASE			WALL			CEILING					* NO BASE ON CONC. WALLS & COLUMNS (TYPICAL) FOR TYPE NUMBERS - SEE SHT. 0.02 EXPOSED CONC. COL'S. (TYP)		REMARKS
NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL	HT.	FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT			
101	DINING	BRICK TILE CONC.	— 7	FF U	CONC. 7 *	5"	U	PLAS. VINYL CARPET CONC.	1 — 3	PF — U	CONC. AC. T.	1 1	U FF	CONC. AC. T.	11'-7 1/2" 9'-0"			
102	DISPLAY	BRICK	—	FF	CONC. 7 *	5"	U	PLAS. + CARP CONC.	1 3	PF U	CONC.	1	U	CONC.	13'-6"			
103	PANTRY	CONC.	7	S	CONC. 7 *	5"	S	PLAS. CONC.	2 3	CG CG	CONC.	1	PG	CONC.	8'-0"			
104	OMIT	—	—	—	—	—	—	—	—	—	—	—	—	—	—			OMIT
105	COOKING	CONC.	7	S	CONC. 7 * ***	5"	S	PLAS. CONC.	2 3	CG CG	CONC.	1	PG	CONC.	8'-0" VARIES			*** CONC. BASE 7 UNDER CABT. WORK
106	SNACK SHOP	TILE CONC.	7	FF U	CONC. 7 * ***	5"	S	CONC. PLAS.	3 2	PE PE	AC. T. PLAS.	1 1	FF PE	AC. T. PLAS.	9'-0" 7'-1 1/2"			*** CONC. BASE 7 UNDER CABT. WORK
107	CUSTODIAN STORAGE	CONC.	7	S	CONC. 7 *	5"	S	PLAS. CONC.	2 3	PE U	CONC.	1	U	CONC.	11'-7 1/2"			
108	MUSEUM PROJECT LAB. & PREPARATION	CONC.	2	—	CONC. 2 * ***	5"	—	PLAS. CONC.	2 3	CG CG	AC. T. CONC.	1 1	FF U	AC. T. CONC.	9'-0" VARIES			*** CONC. BASE 2 UNDER CABT. WORK
109	MUSEUM	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CARPET	1 —	PF —	AC. T.	1	FF	AC. T.	9'-0"			
110	GEOLOGY LABORATORY	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"			** RESIL. BASE 1 ON CABT. WORK
111	GEOLOGY PREPARATION & STORAGE	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"			** RESIL. BASE 1 ON CABT. WORK
112	CUTTING & POLISHING	RESIL.	3	—	CONC. 2 * ***	5"	—	PLAS. CONC.	2 3	PE U	AC. T.	1	FF	AC. T.	9'-0"			*** CONC. BASE 2 UNDER CABT. WORK
113	MUSEUM	CARPET	—	U	—	—	—	—	—	—	CONC. (OPEN TO 2 <sup>nd</sup> FL.)	1	U	CONC.	25'-1 1/2"			Room 113: Revise ceiling to "AC. BD. 2" in lieu of conc. (ceiling at 2nd floor).
114	MECHANICAL ROOM	CONC.	7	S	RESIL. 1 *	4"	FF	PLAS. ** CONC.	1 3	PF U	CONC. **	1	U	CONC.	11'-7 1/2"			** ACUSTICAL LINING PLANTED IN COFFERS & UPON WALLS FROM 5'-0" TO 11'-7 1/2" SEE ELEV. 1008
115	RESEARCH PROJECT	CONC.	2	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"			** RESIL. BASE 1 ON CABT. WORK
116	CORRIDOR	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	CONC. AC. T.	1 1	U FF	CONC. AC. T.	11'-7 1/2" 9'-0"			
117	PROJECT LABORATORY	CONC.	2	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"			** RESIL. BASE 1 ON CABT. WORK
118	DARK ROOM	CONC.	2	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PF U	PLAS.	1	PF	PLAS.	9'-0"			** RESIL. BASE 1 ON CABT. WORK
119	OMIT	—	—	—	—	—	—	—	—	—	—	—	—	—	—			OMIT
120	ELEVATOR MECHANICAL ROOM	CONC.	7	S	RESIL. 1 *	4"	FF	PLAS. CONC.	1 3	PF U	CONC.	1	U	CONC.	11'-7 1/2"			
121	CORRIDOR	RESIL. **	3	W	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"			** SEE PLAN
122	PROJECTION ROOM	RESIL.	3	W	RESIL. 1 *	4"	FF	PLAS.	1	PF	CONC.	1	U	CONC.	11'-7 1/2"			
123	PREPARATION	RESIL.	3	W	RESIL. 1 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
124	PROJECTION ROOM	RESIL.	3	W	RESIL. 1 *	4"	FF	PLAS.	1	PF	CONC.	1	U	CONC.	11'-7 1/2"			
125	LECTURE ROOM	CARPET RESIL.	— 3	U W	RESIL. 2, 4	4"	FF	CONC. PLAS.	1 1	SACKED PF	AC. T. W/ LUMIN. CLG.	1	FF	AC. T.	23'-2 1/2" ****			**** FROM FIRST FLOOR ELEV. "Conc 8" for CARPET & RESIL 3 (Floors) and RESIL 2, 4 (Base). Add in REMARKS: Carpet in 4 foot aisle and aisle risers between entrance doors (4).

Substitute 9" x 9" x 1/8" KENTILE "Colonial" - Georgetown Red 3ED95 in lieu of ceramic paving tile in the following areas:

Building "A" (Science): Dining, Room 101  
Snack Shop, Room 106

STATE OF CALIFORNIA - DEPARTMENT OF CONSTRUCTION  
OFFICE OF ARCHITECTURE AND CONSTRUCTION SERVICES

82716 APPROVED FEB 3 1970

APPROVED FOR THE ARCHITECT BY

APPROVED  
STATE FIRE MARSHAL

STATE OF CALIFORNIA  
DATE FEB 11 1970

BY *ac*

SCALE NONE  
DATE  
DRAWN HMK  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

WB  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

FINISH SCHEDULE  
SCIENCE BUILDING "A"

SHEET  
2.01  
OF



# INTERIOR FINISH SCHEDULE

SPACE			FLOOR			BASE			WALL			CEILING					* NO BASE ON CONC. WALLS & COLUMNS (TYPICAL) FOR TYPE NUMBERS - SEE SHT. 0.02 EXPOSED CONC. COLS. (TYP)		REMARKS
NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL	HT.	FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT				
126	LECTURE ROOM	CARPET RESIL.	— 3	U W	RESIL. 2, 4	4"	FF	CONC. PLAS.	1 1	SACKED PF	AC.T. W/ LUMIN. CLG.	1	FF	AC.T.	23'-2 1/2" ****	**** FROM FIRST FLOOR	"Conc 8" for CARPET & RESIL 3 (Floors) and RESIL 2, 4 (Base). Add in REMARKS: Carpet in 4 foot aisle and aisle risers between entrance doors (4).		
127	ACCESS	CONC.	7	S	—	—	—	CONC.	3	U	CONC.	1	U	CONC.	VARIES				
128	SHOP	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PG U	CONC. PLAS.	1 1	U PG	CONC. PLAS.	11'-7 1/2" 9'-0"	** RESIL. BASE 1 ON CAB'T. WORK			
129	SHOP OFFICE	RESIL.	3	W	RESIL. 1	4"	FF	PLAS.	1	PF	AC.T.	1	FF	AC.T.	9'-0"				
130	RECEIVING & STORAGE	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PF U	AC.T. CONC.	1 1	FF U	AC.T. CONC.	9'-0" 11'-7 1/2"	** RESIL. BASE 1 ON CAB'T. WORK			
131	GENERAL PHYSICS LABORATORY	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PE U	AC.T.	1	FF	AC.T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK			
132	GENERAL PHYSICS LABORATORY	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS.	1	PE	AC.T.	1	FF	AC.T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK			
133	GENERAL PHYSICS LABORATORY	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PE U	AC.T.	1	FF	AC.T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK			
134	PHYSICAL SCIENCE	RESIL.	3	—	RESIL. 1 **	4"	FF	PLAS.	1	PE	AC.T.	1	FF	AC.T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK			
135	DUPLICATING	RESIL.	3	—	RESIL. 1 **	4"	FF	PLAS.	1	PE	AC.T.	1	FF	AC.T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK			
136	ENGINEERING GRAPHICS	CARPET	—	U	RESIL. 2 * **	4"	FF	PLAS. CONC.	1 3	PF U	AC.T.	1	FF	AC.T.	9'-0"	** RESIL. BASE 2 ON CAB'T. WORK			
137	STORAGE	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS.	1	PF	AC.T.	1	FF	AC.T.	9'-0"				
138	E & M STORAGE	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PF U	AC.T.	1	FF	AC.T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK			
139	ENGINEERING MATLS. LABORATORY	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PE U	AC.T.	1	FF	AC.T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK			
140	ACCESS & CORRIDOR	CARPET RESIL. **	— 3	U W	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	CONC.	1	U	CONC.	11'-7 1/2"	** SEE PLAN FOR LOCATION			
141	ENGINEERING MATLS. LABORATORY	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PE U	CONC. AC.T.	1 1	U FF	CONC. AC.T.	11'-7 1/2" 9'-0"	** RESIL. BASE 1 ON CAB'T. WORK			
142	NOT USED																		
143	MECHANICAL ROOM	CONC.	7	S	RESIL. 1 *	4"	FF	PLAS. ** CONC.	1 3	PF U	CONC. **	1	U	CONC.	11'-7 1/2"	** ACOUSTICAL LINING PLANTED IN COFFERS & UPON WALLS FROM 5'-0" TO 11'-7 1/2". SEE SHEET 10A, RM. # 114			
144	VESTIBULE	CARPET	—	U	RESIL. 2	4"	FF	PLAS. *	1	PF	PLAS.	1	PF	PLAS.	9'-0"	2 1/2" THICK 2 HR. PARTITION @ SO. WALL			
145	WOMEN	CMTU	—	FF	CER. TILE	4"	GLAZED FF	CER. TILE PLAS. CONC.	GLAZED 2 3	FF PG U	PLAS.	1	PG	PLAS.	7'-5 3/4"				
146	MEN	CMTU	—	FF	CER. TILE	4"	GLAZED FF	CER. TILE PLAS. CONC.	GLAZED 2 3	FF PG U	PLAS.	1	PG	PLAS.	7'-5 3/4"				
147	TRANSFORMER	CONC.	7	S	CONC. 7	5"	S	PLAS. ** CONC.	1 3	PF U	CONC. **	1	U	CONC.	11'-7 1/2"	** ACOUSTICAL LINING PLANTED IN COFFERS & UPON WALLS FROM 5'-0" TO 11'-7 1/2". SEE SHEET 10A, RM. # 114			
148	CHILLER	CONC.	7	S	RESIL. 1 *	4"	FF	PLAS. CONC.	1 3	PF U	CONC.	1	U	CONC.	11'-7 1/2"				
149	VESTIBULE	CARPET	—	U	RESIL. 2	4"	FF	PLAS.	1	PF	PLAS.	1	PF	PLAS.	9'-0"				
Rooms 128 and 140: Revise ceiling to "AC. BD 2" in lieu of "Conc 1".																			
82710 APPROVED FEB 13 1970																			
STATE FIRE MARSHAL STATE OF CALIFORNIA DATE: FEB 1 1970																			
SHEET																			

SCALE NONE  
DATE  
DRAWN HKC  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

William E. Blurock  
WB  
ARCHITECTS  
PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

FINISH SCHEDULE  
SCIENCE BUILDING "A"

SHEET  
2.02  
OF

## INTERIOR FINISH SCHEDULE

[illegible]

SCALE	NONE
DATE	
DRAWN	HAK
JOB	C-1007

CYPRESS COLLEGE  
PHASE II

**W B**  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

## FINISH SCHEDULE

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### SCIENCE BUILDING "A"

SHEET  
2.03  
OF



# INTERIOR FINISH SCHEDULE

SPACE			FLOOR			BASE			WALL			CEILING					*NO BASE ON CONC. WALLS & COLUMNS (TYPICAL) FOR TYPE NUMBERS - SEE SHT. 002 EXPOSED CONC. COL'S. (TYP)		REMARKS
	NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL	HT.	FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT			
	201	HOUSE ACTIVITIES AREA	CARPET	—	U	RESIL. 2 *	4"	FF	CONC. PLAS. **	3 1	U PF	CONC. AC. T.	1 1	U FF	CONC. AC. T.	11'-7 1/2" 9'-0"	VINYL FABRIC ON PLASTER ①		
	202	MUSEUM AREA	CARPET	—	U	RESIL. 2 *	4"	FF				AC. T.	1	FF	AC. T.	9'-0"			
	203	CLASSROOM	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"			
	204	CLASSROOM	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"			
	205	CORRIDOR	CARPET	—	U	— *	—	—	—	—	—	AC. T.	1	FF	AC. T.	9'-0"			
	206	COUNSELING	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"			
	207	COUNSELING	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	208	COUNSELING	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	209	WORKROOM	RESIL.	3	W	RESIL. 2	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	210	CONFERENCE	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	211	CONFERENCE	CARPET	—	U	RESIL. 2	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	212	OMIT	—	—	—	—	—	—	—	—	—	—	—	—	—	—	OMIT		
	213	CHAIRMAN	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	214	SECRETARY RECEPTIONIST	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"			
	215	CHAIRMAN	CARPET	—	U	RESIL. 2	4"	FF	PLAS	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	216	WORK ROOM	RESIL.	3	W	RESIL. 1 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	217	CONFERENCE	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	218	CLASSROOM	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	219	CORRIDOR	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	220	CORRIDOR	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"			
	221	CLASSROOM	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	222	LOBBY	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	223	LOBBY	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"			
	224	HOUSE	CARPET	—	U	RESIL. 2 *	4"	FF				AC. T.	1	FF	AC. T.	9'-0"			
	225	MECHANICAL	CONC.	7	S	RESIL. 1 *	4"	FF	PLAS. ** CONC.	1 3	PF U	CONC. **	1	U	CONC.	11'-7 1/2"	** ACOUSTICAL LINING PLANTED IN COFFERS & UPON WALLS FROM 5'-0" TO 11'-7 1/2". SEE SHT. 10A, RM #14 ②		

INTERIOR FINISH SCHEDULE

SPACE		FLOOR			BASE			WALL			CEILING					REMARKS
NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL	HT.	FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT	
226	CLASSROOM	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"	
227	CLASSROOM	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"	
228	CLASSROOM	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"	
229	OMIT	—	—	—	—	—	—	—	—	—	—	—	—	—	—	OMIT
230	FACULTY OFFICES	CARPET	—	U	—	—	—	CONC. PLAS.	3 1	U PF	AC. T.	1	FF	AC. T.	9'-0"	
231	FACULTY OFFICES	CARPET	—	U	—	—	—	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"	
232	ACCESS	CARPET	—	U	— *	—	—	CONC.	3	U	AC. T.	1	FF	AC. T.	9'-0"	
233	MECHANICAL	CONC.	7	S	RESIL. 1 *	4"	FF	PLAS. ** CONC.	1 3	PF U	CONC. **	1	U	CONC.	11'-7 1/2"	**ACOUSTICAL LINING PLANTED IN COFFERS & UPON WALLS FROM 5'-0" TO 11'-7 1/2". SEE SHEET 16A, RW. 14
234	VESTIBULE	CARPET	—	U	RESIL. 2	4"	FF	PLAS. *	1	PF	PLAS.	1	PF	PLAS.	9'-0"	2 1/2" THICK - 2 HR. PARTITION WALL @ SO. WALL
235	WOMEN	CMTU	—	FF	CER. TILE	4"	GLAZED	CER. TILE PLAS. CONC.	GLAZED 2 3	FF PG U	PLAS.	1	PG	PLAS.	7'-5 3/4"	
236	MEN	CMTU	—	FF	CER. TILE	4"	GLAZED	CER. TILE PLAS. CONC.	GLAZED 2 3	FF PG U	PLAS.	1	PG	PLAS.	7'-5 3/4"	
237	CLASSROOM	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"	
238	VESTIBULE	CARPET	—	U	RESIL. 2	4"	FF	PLAS.	1	PF	PLAS.	1	PF	PLAS.	9'-0"	
239	HOUSE OFFICE	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"	
240	LOBBY	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"	
241	CUSTODIAN	CONC.	7	S	RESIL. 1	4"	FF	PLAS. ***	1	PF	CONC.	1	U	CONC.	11'-7 1/2"	*** 2'-0" HIGH CER. TILE (GLAZED) AT MOP SERVICE SINK 2 1/2" THICK - 2 HR. PARTITION @ NO. WALL
242	TELEPHONE CL.	RESIL.	3	W	RESIL. 1 *	4"	FF	PLAS.	1	PF	CONC.	1	U	CONC.	11'-7 1/2"	
	STAIR # 1	CARPET	—	U	RESIL. 2 *	4"	FF	CONC. PLAS.	3 1	U PF	CONC.	1	U	CONC.	VARIES	
	STAIR # 2	CARPET	—	U	RESIL. 2 *	4"	FF	CONC. PLAS.	3 1	U PF	CONC.	1	U	CONC.	VARIES	
	STAIR # 3	CARPET	—	U	RESIL. 2 *	4"	FF	CONC. PLAS.	3 1	U PF	CONC.	1	U	CONC.	VARIES	
STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES OFFICE OF ARCHITECTURE AND CONSTRUCTION																APPROVED STATE FIRE MARSHAL STATE OF CALIFORNIA DATE: FEB 11 1970 BY: <i>[Signature]</i>
32716 APPROVED FEB 13 1970 ARCHITECTS WILLIAM E. BLUROCK AND ASSOCIATES 1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA 714-673-0300																



# INTERIOR FINISH SCHEDULE

SPACE			FLOOR			BASE			WALL			CEILING					*NO BASE ON CONC. WALLS & COLUMNS (TYPICAL) FOR TYPE NUMBERS - SEE SHT. 0.02 EXPOSED CONC. COL'S. (TYP)		REMARKS
	NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL	HT.	FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT			
	301	LOBBY	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	FF U	AC. T.	1	FF	AC. T.	9'-0"			
	302	LOBBY	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	FF	AC. T.	1	FF	AC. T.	9'-0"			
	303	GREENHOUSE	CONC.	2	—	CONC. 2 ***	6"	—	CONC. PLAS.	3 2	U PG	CONC.	3 1	U	CONC.	8'-11 1/2" 11'-7 1/2"	*** CONC. CURB 2 UNDER CAB'T. WORK		
	304	BIOLOGY LABORATORY	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK		
	305	BIOLOGY STORAGE & PREPARATION	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS. CONC.	1 3	PE U	CONC. AC. T.	1 1	U FF	CONC. AC. T.	11'-7 1/2" 9'-0"	** RESIL. BASE 1 ON CAB'T. WORK		
	306	DEAD ANIMAL	RESIL.	3	—	CONC. 2 ***	5"	—	PLAS.	2	CG	CONC.	1	PG	CONC.	11'-7 1/2"	*** CONC. CURB 2 UNDER CAB'T. WORK		
	307	MECHANICAL	CONC.	7	S	RESIL. 1 *	4"	FF	PLAS. ** CONC.	1 3	PF U	CONC. **	1	U	CONC.	11'-7 1/2"	** ACUSTICAL LINING PLANTED IN COFFERS & UPON WALLS FROM 5'-0" TO 11'-7 1/2". SEE SHT. 10A, RM. #14		
	308	ANATOMY LABORATORY	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK		
	309	BIOLOGY LABORATORY	RESIL.	3	W	RESIL. 1 * **	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK		
	310	BIOLOGY LABORATORY	RESIL.	3	W	RESIL. 1 * **	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK		
	311	BIOLOGY LABORATORY	RESIL.	3	W	RESIL. 1 * **	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK		
	312	BIOLOGY LABORATORY	RESIL.	3	W	RESIL. 1 * **	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK		
	313	PROJECT LABORATORY	RESIL.	3	—	CONC. 2 ***	5'6"	—	PLAS.	2	PG	AC. T.	1	FF	AC. T.	9'-0"	*** CONC. CURB 2 UNDER CAB'T. WORK		
	314	PROJECT LABORATORY	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS.	1	PE	CONC.	1	U	CONC.	11'-7 1/2"	** RESIL. BASE 1 ON CAB'T. WORK		
	315	PROJECT LABORATORY	RESIL.	3	—	RESIL. 1 **	4"	FF	PLAS.	1	PE	CONC.	1	U	CONC.	11'-7 1/2"	** RESIL. BASE 1 ON CAB'T. WORK		
	316	PROJECT OBSERVATION	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	CONC.	1	U	CONC.	11'-7 1/2"			
	317	PROJECT LABORATORY	RESIL.	3	—	RESIL. 1 **	4"	FF	PLAS.	1	PE	CONC.	1	U	CONC.	11'-7 1/2"	** RESIL. BASE 1 ON CAB'T. WORK		
	318	BALANCE ROOM	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS.	1	PE	CONC.	1	U	CONC.	11'-7 1/2"	** RESIL. BASE 1 ON CAB'T. WORK		
	319	PROJECT LABORATORY	RESIL.	3	—	RESIL. 1 **	4"	FF	PLAS.	1	PE	CONC.	1	U	CONC.	11'-7 1/2"	** RESIL. BASE 1 ON CAB'T. WORK		
	320	BALANCE ROOM	RESIL.	3	—	RESIL. 1 * **	4"	FF	PLAS.	1	PE	CONC.	1	U	CONC.	11'-7 1/2"	** RESIL. BASE 1 ON CAB'T. WORK		
	321	CORRIDOR	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	322	CORRIDOR	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS.	1	PF	AC. T.	1	FF	AC. T.	9'-0"			
	323	PROJECT LABORATORY	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"			
	324	LOBBY	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"			
	325	MICROBIOLOGY	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"			
													</						

# INTERIOR FINISH SCHEDULE

SPACE		FLOOR			BASE			WALL			CEILING					REMARKS
NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL	HT.	FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT	
326	AUTOCLAVE	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS. CONC.	2 3	PG U	PLAS.	1	PG	PLAS.	9'-0"	* NO BASE ON CONC. WALLS & COLUMNS (TYPICAL) FOR TYPE NUMBERS - SEE SHT. 0.02 EXPOSED CONC. COL'S. (TYP.) ** RESIL. BASE 1 ON CAB'T. WORK Room 326: Revise ceiling to "AC T 1" in lieu of "Plas 1".
327	ORGANIC CHEMISTRY LABORATORY	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
328	INSTRUMENT ROOM	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
329	ANALYTICAL CHEMISTRY LABORATORY	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
330	BALANCE ROOM	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
331	PHYSICAL CHEMISTRY LABORATORY	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
332	LOBBY	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
333	CHEMISTRY LABORATORY	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
334	CHEMISTRY LABORATORY	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
335	CHEMISTRY LABORATORY	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
336	CHEMISTRY LABORATORY	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS.	1	PE	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
337	CHEMISTRY STORAGE & PREPARATION	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS. CONC.	1 3	PE U	CONC.	1	U	CONC.	11'-7 1/2"	** RESIL. BASE 1 ON CAB'T. WORK
338	BOILER	CONC.	7	S	CONC. 7 *	5"	S	PLAS. CONC.	1 3	PF U	CONC.	1	U	CONC.	11'-7 1/2"	
339	WOMEN	CMTU	—	FF	CER. TILE	4"	GLAZED FF	CER. TILE PLAS. CONC.	GLAZED 2 3	FF PG U	PLAS.	1	PG	PLAS.	7'-5 3/4"	
340	MEN	CMTU	—	FF	CER. TILE	4"	GLAZED FF	CER. TILE PLAS. CONC.	GLAZED 2 3	FF PG U	PLAS.	1	PG	PLAS.	7'-5 3/4"	
341	COUNTING	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
342	RESEARCH PROJECT	RESIL.	3	—	RESIL. 1 *	4"	FF	PLAS. CONC.	1 3	PE U	AC. T.	1	FF	AC. T.	9'-0"	** RESIL. BASE 1 ON CAB'T. WORK
343	VESTIBULE	CARPET	—	U	RESIL. 2	4"	FF	PLAS.	1	PF	PLAS.	1	PF	PLAS.	9'-0"	
344	LOBBY	CARPET	—	U	RESIL. 2 *	4"	FF	PLAS. CONC.	1 3	PF U	AC. T.	1	FF	AC. T.	9'-0"	
345	CUSTODIAN	CONC.	7	S	RESIL. 1	4"	—	PLAS. ***	1	PF	CONC.	1	U	CONC.	11'-7 1/2"	*** 2'-0" HIGH CER. TILE (GLAZED) AT MOP SERVICE SINK 2 1/2" THICK - 2HR. PARTITION @ NO. WALL
346	VESTIBULE	CARPET	—	U	RESIL. 2	4"	FF	PLAS. *	1	PF	PLAS.	1	PF	PLAS.	9'-0"	* 2 1/2" THICK - 2HR. PARTITION @ SO. WALL
347	MECHANICAL	CONC.	7	S	RESIL. 1 *	4"	FF	PLAS. CONC. **	1 3	PF U	CONC. **	1	U	CONC.	11'-7 1/2"	** ACUSTICAL LINING PLANTED IN COFFERS & UPON WALLS FROM 5'-0" TO 11'-7 1/2". SEE SHT. 1.2A, RM. #114
348	ANIMAL ROOM	RESIL.	3	CG	CONC. 7 ***	5 1/2"	CG **	PLAS.	2	PG	PLAS. CONC.	1	PG	PLAS. CONC.	9'-0"	** COLD GLAZE ON CONC. COL'S. ALSO *** CONC. CURB 2 UNDER CAB'T. WORK
349	STORAGE	CONC.	7	S	CONC.	6"	—	PLAS. CONC.	1 3	PG U	CONC.	1	U	CONC.	11'-7 1/2"	STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES OFFICE OF ARCHITECTURE AND CONSTRUCTION
																32716 APPROVED FEB 13 1970
																APPROVED For <i>ASAC</i> <i>CS</i>
	STAIR #1	CARPET CONC. **	7	U S	RESIL. 2 *	4"	FF	CONC. PLAS.	3 1	U PF	CONC.	1	U	CONC.	VARIES	** FROM 3 <sup>rd</sup> FLOOR TO APPROVED
	STAIR #2	CARPET	—	U	RESIL. 2 *	4"	FF	CONC. PLAS.	3 1	U PF	CONC.	1	U	CONC.	VARIES	STATE FIRE MARSHAL STATE OF CALIFORNIA DATE FEB 11 1970
	STAIR #3	CARPET	—	U	RESIL. 2 *	4"	FF	CONC. PLAS.	3 1	U PF	CONC.	1	U	CONC.	VARIES	BY <i>ac</i>



# INTERIOR FINISH SCHEDULE

SPACE			FLOOR			BASE			WALL			CEILING					*NO BASE ON CONC. WALLS & COLUMNS (TYPICAL) EXPOSED CONC. COLUMNS (TYPICAL)		REMARKS
	NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL		FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT			
	100	STAIR N°1	CONC. BRICK PAVING	7	AF**	————* #7	—	—	CONC.	3	U	CONC.	1	U	CONC.	VARIES		UNDERSIDE OF STAIRS & LANDINGS SHALL BE CONC. TYPE 1. ** ABRASIVE FINISH	
	101	TRANSFORMER VAULT	CONC.	7	S	————* #7	—	—	CONC.**	3	U	CONC. AC.T.	1	U	CONC.	11'-7½"		** ACOUSTICAL LINING ON WALLS FROM 5'-0" TO 11'-7½". SEE SCI. BLDG. SHEET 16A RM.# 114 (C) 10/29	
	102	TRASH ROOM	CONC.	7	S	CONC.	5"	—	CONC. PLAS.	3 2	U PG	CONC.	1	U	CONC.	11'-7½"		SEE DET. (C) FOR CONC. BASE 10.02 SIM.	
	103	ELEVATOR MACHINE ROOM	CONC.	7	S	CONC.	5"	—	CONC. PLAS.	3 2	U PG	CONC.	1	U	CONC.	11'-7½"		SEE DET. (C) FOR CONC. BASE 10.02 SIM.	
	104	LOBBY	CONC. CEZ. PAV'G.T. BRICK PAVING	7	S	RESIL. 1*	4"	FF	CONC. CARPET PLAS.	3 1	U FF FF	CONC. AC.T. AC.BD.	1 2	U FF FF	CONC. AC.T.	11'-7½" 9'-0"			
	105	SNACK BAR	CONC. CEZ. PAV'G.T.	7	S	CEMENT BASES RESIL W/COVE	6" 6"	—	CONC.** PLAS.	3 2	VARIES SG	AC.T. PLAS.	1 2	FF SG	AC.T. PLAS.	9'-0" 10'-6"		** ALL 10'-6" HIGH CONCRETE WALLS SHALL BE SACKED SMOOTH & PAINTED SEMI-GLOSS (K) (G) 12/28 12/28	
	106	PANTRY	RESIL.	3	W	RESIL. 1*	4"	FF	CONC. PLAS.	3 2	U PF	CONC. PLAS.	1 2	PF PF	CONC. PLAS.	VARIES 9'-0"			
	107	DISPLAY CASE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. CARPET PLAS.	3 1	U PF	AC.T.	1	FF	AC.T.	9'-0"			
	108	STAIR N°2	CARPET	—	U	————	—	—	CONC. PLAS.	3 1	U PF	CONC. PLAS.	1 1	U PF	CONC. PLAS.	VARIES 9'-0"		1-HOUR FIRE RATED CEILING / UNDERSIDE OF STAIRS & LANDINGS SHALL BE CONC. TYPE 1.	
	109	TYPING	CARPET	—	U	RESIL. 2* **	4"	FF	CONC. PLAS. DEM. PART.	3 1	U SP SP	CONC. AC.T. AC.BD.	1 2	U FF FF	CONC. AC.T.	11'-7½" 9'-0"		** RESIL. BASE 2 ON CABINET WORK.	
	110	TYPING	CARPET	—	U	RESIL. 2* **	4"	FF	CONC. PLAS. DEM. PART.	3 1	U SP SP	CONC. AC.T. AC.BD.	1 2	U FF FF	CONC. AC.T.	11'-7½" 9'-0"		** RESIL. BASE 2 ON CABINET WORK.	
	111	LOBBY	CARPET	—	U	RESIL. 2* **	4"	FF	PLAS. DEM. PART.	1 1	PF SP	AC.T.	1	FF	AC.T.	9'-0"		** RESIL. BASE 2 ON STORAGE WALL.	
	112	ENTRY	CARPET	—	U	RESIL. 2*	4"	FF	PLAS. DEM. PART.	1 1	PF SP	CONC. AC.T.	1 1	U FF	CONC. AC.T.	11'-7½" 9'-0"			
	113	SHORTHAND	CARPET	—	U	RESIL. 2* **	4"	FF	DEM. PART. PLAS.	1 1	SP PF	CONC. AC.BD.	1 2	U FF	CONC.	11'-7½"		** RESIL. BASE 2 ON STORAGE WALL.	
	114	SHORTHAND	CARPET	—	U	RESIL. 2* **	4"	FF	DEM. PART. PLAS.	1 1	SP PF	CONC. AC.BD.	1 2	U FF	CONC.	11'-7½"		** RESIL. BASE 2 ON STORAGE WALL.	
	115	SHORTHAND	CARPET	—	U	RESIL. 2* **	4"	FF	CONC. PLAS. DEM. PART.	3 1	U SP SP	AC.T.	1	FF	AC.T.	9'-0"		** RESIL. BASE 2 ON STORAGE WALL.	
	116	FAN ROOM	CONC.	7	S	RESIL. 1* CONC. 7	4"	FF	CONC.** PLAS.**	3 2	U PG	CONC. **	1	U	CONC.	11'-7½"		** ACOUSTICAL LINING PLANTED IN COFFERS. & UPON WALLS FROM 10'-0" TO 11'-7½". SEE IGA, RM.# 1005 (C) 10/29	
	117	MECHANICAL	CONC.	7	S	RESIL. 1*	4"	FF	CONC.** PLAS.	3 2	U PG	CONC. **	1	U	CONC.	VARIES			
	118	CUSTODIAN	CONC.	7	S	RESIL. 1*	4"	FF	CONC. PLAS.	3 2	U PG	PLAS. **	1	PG	PLAS.	9'-0"		** 1-HR. FIRE RATED CEILING.	
	119	ENTRY	BRICK PAVING	—	U	————	—	—	CONC. PLAS.	3 1	U PF	CONC. AC.T.	1 1	U FF	CONC. AC.T.	11'-7½" 9'-0"			
	120	STAIR N°3	CARPET	—	U	————	—	—	CONC.	3	U	CONC.	1	U	CONC.	VARIES		UNDERSIDE OF STAIRS & LANDINGS SHALL BE CONC. TYPE 1.	
	121	SHORTHAND	CARPET	—	U	RESIL. 2* **	4"	FF	DEM. PART. PLAS.	1 1	SP PF	CONC. AC.BD.	1 2	U FF	CONC.	11'-7½"		** RESIL. BASE 2 ON STORAGE WALL.	
	122	LOBBY	CARPET	—	U	RESIL. 2* **	4"	FF	PLAS. DEM. PART.	1 1	PF SP	AC.T.	1	U	AC.T.	9'-0"		** RESIL. BASE 2 ON STORAGE WALL.	
	123	TYPING	CARPET	—	U	RESIL. 2* **	4"	FF	CONC. PLAS. DEM. PART.	3 1	U SP SP	CONC. AC.T. AC.BD.	1 2	U FF FF	CONC. AC.T.	11'-7½" 9'-0"		** RESIL. BASE 2 CABINET WORK.	
	124	TYPING	CARPET	—	U	RESIL. 2* **	4"	FF	CONC. PLAS. DEM. PART.	3 1	U SP SP	CONC. AC.T. AC.BD.	1 2	U FF FF	CONC. AC.T.	11'-7½" 9'-0"		** RESIL. BASE 2 CABINET WORK.	
	125	WORK ROOM	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3 1	U SP SP	AC.T.	1	FF	AC.T.	9'-0"			

Substitute 9" x 9" x 1/8" KENTILE "Colonial" - Georgetown Red 3ED95 in lieu of ceramic paving tile in the following areas:

Building "B" (Business Education): Lobby, Room 104  
Snack Bar, Room 105

Note (Room 104) Exterior brick will continue under the window wall to concrete band along line 2-S to form a strip of brick paving approximately 30" wide inside Room 104. Similarly, the interior brick paving shown in and adjacent to stair No. 1 will remain as indicated.

STATE OF CALIFORNIA - DEPARTMENT OF PUBLIC UTILITIES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

82716 APPROVED FEB 13 1970

DATE FEB 13 1970

APPROVED

STATE FIRE MARSHAL

STATE OF CALIFORNIA

DATE FEB 13 1970

BY

SCALE  
DATE  
DRAWN E.W.  
JOB C-1007

W.B. ARCHITECTS PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

FINISH SCHEDULE  
BUSINESS EDUCATION  
BUILDING.

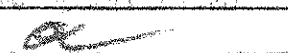
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INTERIOR FINISH SCHEDULE

SPACE		FLOOR			BASE			WALL			CEILING					* NO BASE ON CONC. WALLS & COLUMNS (TYPICAL)
NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL		FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT	EXPOSED CONC. COLUMNS (TYPICAL)
126	STORAGE	RESIL.	3	W	RESIL. 1*	4"	FF	CONC. DEM. PART.	3	U	ACT.	1	U	ACT.	9'-0"	
127	ELEC. & TELE. CLOS.	CONC.	7	S	RESIL. 1	4"	FF	PLAS.	1	PF	CONC.	1	U	CONC.	11'-7 1/2"	
128	ELEC. & TELE. CLOS.	CONC.	7	S	RESIL. 1*	4"	FF	CONC. PLAS.	3	U	CONC.	1	U	CONC.	11'-7 1/2"	
	ELEVATOR SHAFT	CONC.	7	—	—	—	—	CONC. PLAS. **	1	U	—	—	—	—	—	** 2 1/2" THICK 2 HE. PLAS. PARTITION

# INTERIOR FINISH SCHEDULE

SPACE			FLOOR			BASE			WALL			CEILING					* NO BASE ON CONC. WALLS & COLUMNS (TYPICAL) EXPOSED CONC. COLUMNS (TYPICAL)		REMARKS
	NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL		FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT			
	200	STAIR N <sup>o</sup> 1	CONC. BRICK PAVING	7	AP**	—	—	—	CONC.	3	U	CONC.	1	U	CONC.	VARIES	UNDERSIDE OF STAIRS & LANDINGS SHALL BE CONC. TYPE I. ** ABRASIVE FINISH		
	201	HOUSE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. CARPET PLAS.	3 1	U FF	CONC. AC.T. AC.T.	1 2	U FF	CONC. AC.T.	11'-7 1/2" 9'-0"			
	202	VESTIBULE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS.	3 1	U FF	AC.T.	1	FF	AC.T.	9'-0"			
	203	WOMEN	CMTU	—	FF	CER.TILE	4"	GLAZED FF	CONC. CER.TILE	3 2	U FF	PLAS.	2	PG	PLAS.	8'-0"			
	204	VESTIBULE	CARPET	—	U*	RESIL. 2*	4"	FF	CONC. PLAS.	3 1	U FF	AC.T.	1	FF	AC.T.	9'-0"			
	205	MEN	CMTU	—	FF	CER.TILE	4"	GLAZED FF	CONC. PLAS. CER.TILE	3 1 2	U FF FF	PLAS.	2	PG	PLAS.	8'-0"			
	206	STAIR N <sup>o</sup> 2	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. **	3 1	U FF	CONC.	1	U	CONC.	VARIES	** 1 HR CONSTRUCTION		
	207	SECTY. RECPT.	CARPET	—	U	RESIL. 2*	4"	FF	PLAS.	1	PF	AC.T.	1	FF	AC.T.	9'-0"			
	208	OFFICE AREA	CARPET	—	U	RESIL. 2*	4"	FF	PLAS.	1	PF	AC.T.	1	FF	AC.T.	9'-0"			
	209	WORK RM.	RESIL.	3	W	RESIL. 1* **	4"	FF	CONC. PLAS.	3 1	U FF	AC.T.	1	FF	AC.T.	9'-0"	** RESIL. BASE 1 ON CASEWORK		
	210	CONFERENCE	CARPET	—	U	RESIL. 2*	4"	FF	PLAS.	1	PF	AC.T.	1	FF	AC.T.	9'-0"			
	211	CHAIRMAN	CARPET	—	U	RESIL. 2*	4"	FF	PLAS.	1	PF	AC.T.	1	FF	AC.T.	9'-0"			
	212	CONFERENCE	CARPET	—	U	RESIL. 2*	4"	FF	PLAS.	1	PF	AC.T.	1	FF	AC.T.	9'-0"			
	213	OFFICE AREA	CARPET	—	U	RESIL. 2*	4"	FF	CONC.	3	U	AC.T.	1	FF	AC.T.	9'-0"			
	214	OFFICE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS.	3 1	U FF	AC.T.	1	FF	AC.T.	9'-0"			
	215	OFFICE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS.	3 1	U FF	AC.T.	1	FF	AC.T.	9'-0"			
	216	FACULTY OFFICE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. **	3 1	U FF	AC.T.	1	FF	AC.T.	9'-0"	** SEE SHS 18.01, 18.02 & 18.03 FOR DEMOUNTABLE OFFICE & TYPICAL CASEWORK CONSTRUCTION		
	217	FACULTY OFFICE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. **	3 1	U FF	AC.T.	1	FF	AC.T.	9'-0"			
	218	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲			
	219																		
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	224	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼			
	225	FACULTY OFFICE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. **	3 1	U FF	AC.T.	1	FF	AC.T.	9'-0"	** SEE SHS 18.01, 18.02 & 18.03 FOR DEMOUNTABLE OFFICE & TYPICAL CASEWORK CONSTRUCTION		
																	STATE OF CALIFORNIA OFFICE OF ARCHITECTURE AND CONSTRUCTION	APPROVED STATE TYPE MANDATE DATE 2/13/1970	
																	B 271 G APPROVED FEB 13, 1970	DATE 2/13/1970	
																	BY 		



## INTERIOR FINISH SCHEDULE

SPACE			FLOOR			BASE			WALL			CEILING					*NO BASE ON CONC. WALLS & COLUMNS (TYPICAL) EXPOSED CONC. COLUMNS (TYPICAL)		REMARKS
NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL		FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT				
226	FACULTY OFFICE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. **	3	U	AC.T.	1	FF	AC.T.	9'-0"	** SEE SHIT. N'S 18.01, 18.02 & 18.03 FOR DEMOUNTABLE FACULTY OFFICE & TYPICAL CASEWORK CONSTRUCTION			
227	▲	▲	▲	—	▲	▲	▲	CONC. **	3	U	▲	▲	▲	▲	▲	▲			
228				—				CONC. **	3	U									
229				—				CONC. **	3	U									
230				—				CONC. PLAS. **	3	U PF									
231				—				PLAS. **	1	PF									
232				—				**											
233				—				DEM PART **	1	SP									
234				—				▲	▲	▲									
235				—															
236				—															
237				—															
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245				—															
246				—															
247	▼	▼	▼	—	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼	▼			
248	FACULTY OFFICE	CARPET	—	U	RESIL. 2*	4"	FF	DEM. PART. **	1	SP	AC.T.	1	FF	AC.T.	9'-0"	** SEE SHIT. N'S 18.01, 18.02 & 18.03 FOR DEMOUNTABLE OFFICE & TYPICAL CASEWORK CONSTRUCTION.			
249	SECRETARY	CARPET	—	U	RESIL. 2	4"	FF	PLAS.	1	PF	CONC. AC.T.	1	U FF	CONC. AC.T.	11'-7 1/2"				
250	OFFICE AREA	CARPET	—	U	RESIL. 2	4"	FF	PLAS.	1	PF	AC.T.	1	FF	AC.T.	9'-0"				
															STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES OFFICE OF ARCHITECTURE AND CONSTRUCTION	APPROVED STATE FIRE MARSHAL STATE OF CALIFORNIA DATE FEB 13 1970			
															3271 C	APPROVED FEB 13 1970	60		

SCALE
DATE
DRAWN <i>K.W.</i>
JOB <i>C-1007</i>

CYPRESS COLLEGE  
PHASE II

**W & B**  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

FINISH SCHEDULE  
BUSINESS EDUCATION  
BUILDING.

SHEET

2.11

# INTERIOR FINISH SCHEDULE

SPACE			FLOOR			BASE			WALL			CEILING					* NO BASE ON CONC. WALLS & COLUMNS (TYPICAL)
NO.	NAME	MATERIAL	TYPE	FIN	MATERIAL		FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT	REMARKS	EXPOSED CONC. COLUMNS (TYPICAL)
251	CLASSROOM	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS.	3	U PF	ACT.	1	FF	ACT.	9'-0"		
252	FAN ROOM	CONC.	7	S	RESIL. 1*	4"	FF	CONC. ** PLAS. **	3	U PG	CONC. **	1	U	CONC.	11'-7 1/2"	SEE SHEET 10A, RM. #114	
253	CUSTODIAN	CONC.	7	S	RESIL. 1*	4"	FF	CONC. PLAS. ***	3	U PG	PLAS. **	1	PG	PLAS.	9'-0"	*** 4'-0" HIGH CER. TILE (GLAZED) @ MOP SERVICE SINK.	
254	VESTIBULE	CARPET	—	U	—	*	—	CONC. PLAS.	3	U PF	CONC. ACT.	1	U FF	CONC. ACT.	11'-7 1/2"		
255	STAIR NO 3	CARPET	—	U	—	—	—	CONC.	3	U	CONC.	1	U	CONC.	VARIES	UNDERSIDE OF STAIRS & LANDINGS SHALL BE CONC. TYPE 1.	
256	CORRIDOR	CARPET	—	U	RESIL. 2*	4"	FF	PLAS. ** DEM. PART.	1	U PF	ACT.	1	FF	ACT.	9'-0"	** 1-HZ. RATED CONSTRUCTION	
257	PROJECTION	RESIL.	3	W	RESIL. 1	4"	FF	PLAS.	1	PF	PLAS.	1	PF	PLAS.	9'-0"		
258	PREPARATION	RESIL.	3	W	RESIL. 1 **	4"	FF	PLAS.	1	PF	ACT.	1	FF	ACT.	9'-0"	** RESIL. BASE 2 ON CABINET WORK	
259	LECTURE CLASSROOM	CARPET **	—	U	RESIL. 2*	4"	FF	PLAS. CARPET	1	U	PLAS. LUMINOUS GYP. BD	1	U	PLAS. LUMINOUS GYP. BD	9'-0"	** BUILT-UP WOOD PLATFORM—SEE SHS 1201 & 1202	
260	CLASSROOM	CARPET	—	U	RESIL. 2*	4"	FF	PLAS.	1	PF	ACT.	1	FF	ACT.	9'-0"	NOTE: SEE DTL. 9/4/4 FOR ADDITIONAL PAINTING	
261	CLASSROOM	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U PF	CONC. AC. BD.	1	U	CONC. AC. BD.	11'-7 1/2"	SEE SH. NO 10.06 FOR OPERABLE WALL DETAILS.	
262	CLASSROOM	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U PF	CONC. AC. BD.	1	U	CONC. AC. BD.	11'-7 1/2"	1-HZ. RATED DEM. PART. TYPE 2 @ CORRIDOR.	
263	DUPLICATION	RESIL.	3	W	RESIL. 1 **	4"	FF	CONC. PLAS. DEM. PART.	3	U PF	ACT.	1	FF	ACT.	9'-0"	SEE SH. NO 10.06 FOR OPERABLE WALL DETAILS.	
264	TYPING	CARPET	—	U	RESIL. 2*	4"	FF	CONC. DEM. PART.	3	U SP	ACT.	1	FF	ACT.	9'-0"	1-HZ. RATED DEM. PART. TYPE 2 @ CORRIDOR.	
265	MODEL OFFICE	CARPET	—	U	RESIL. 2*	4"	FF	DEM. PART.	1	SP	ACT.	1	FF	ACT.	9'-0"	** RESIL. BASE 2 ON CABINET WORK	
266	MODEL OFFICE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U PF	ACT.	1	FF	ACT.	9'-0"	** RESIL. BASE 2 ON CABINET WORK	
267	WORK ROOM	CARPET	—	U	RESIL. 2*	4"	FF	CONC. DEM. PART.	3	U SP	ACT.	1	FF	ACT.	9'-0"		
268	ELEC. & TELE. CLOS.	CONC.	7	S	RESIL. 1	4"	FF	PLAS.	1	PF	CONC.	1	U	CONC.	11'-7 1/2"		
269	ELEC. & TELE. CLOS.	CONC.	7	S	RESIL. 1*	4"	FF	CONC. PLAS.	3	U PF	CONC.	1	U	CONC.	11'-7 1/2"		
	ELEVATOR SHAFT	—	—	—	—	—	—	CONC. PLAS. **	1	U PF	—	—	—	—	—	** 2 1/2" THK 2-HZ. PLAS. PARTITION	



# INTERIOR FINISH SCHEDULE

SPACE		FLOOR			BASE			WALL			CEILING					* NO BASE ON CONC. WALLS & COLUMNS (TYPICAL)	REMARKS
NO.	NAME	MATERIAL	TYPE	FIN*	MATERIAL		FIN	MATERIAL	TYPE	FIN	MATERIAL	TYPE	FIN	UNDERSIDE OF	HEIGHT	EXPOSED CONC. COLUMNS (TYPICAL)	
300	STAIR N°1	CONC.	7	AF**				CONC.	3	U	CONC.	1	U	CONC.	VARIES	** ABRASIVE FINISH	
301	CLASSROOM	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	CONC. AC. BD.	2	FF	CONC. AC. BD.	11'-7 1/2"		
302	CLASSROOM	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	CONC. AC. BD.	2	FF	CONC. AC. BD.	11'-7 1/2"		
303	STORAGE, REEF	RESIL.	3	W	RESIL. 1*	4"	FF	CONC. DEM. PART.	3	U	AC. T.	1	FF	AC. T.	9'-0"		
304	CLASSROOM	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	CONC. AC. BD.	2	FF	CONC. AC. BD.	11'-7 1/2"		
305	CLASSROOM	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	CONC. AC. BD.	2	FF	CONC. AC. T.	11'-7 1/2"		
306	DISPLAY CASE	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS.	3	U	AC. T.	1	U	AC. T.	9'-0"	2 HE. CONSTRUCTION (C) 100%	
307	STAIR N°2	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. **	3	U	CONC.	1	U	CONC.	VARIES	** 1-HE. FIRE RATED WALL CONSTRUCTION.	
308	ACCOUNTING	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	CONC. AC. BD.	2	FF	CONC. AC. T.	11'-7 1/2"		
309	ACCOUNTING	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	CONC. AC. BD.	2	FF	CONC. AC. T.	11'-7 1/2"		
310	HOUSE	CARPET	—	U	RESIL. 2	4"	FF	DEM. PART.	1	SP	AC. T.	1	FF	AC. T.	9'-0"		
311	LOBBY	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	AC. T.	1	FF	AC. T.	9'-0"		
312	ACCOUNTING	CARPET	—	U	RESIL. 2*	4"	FF	DEM. PART. PLAS.	1	SP	CONC. AC. T. AC. BD.	2	FF	CONC. AC. T.	11'-7 1/2"		
313	ACCOUNTING	CARPET	—	U	RESIL. 2*	4"	FF	DEM. PART. PLAS.	1	SP	CONC. AC. BD.	2	FF	CONC. AC. T.	11'-7 1/2"		
314	ACCOUNTING	CARPET	—	U	RESIL. 2*	4"	FF	DEM. PART. PLAS.	1	SP	CONC. AC. T. AC. BD.	2	FF	CONC. AC. T.	11'-7 1/2"		
315	ACCOUNTING	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	AC. T.	1	FF	AC. T.	9'-0"		
316	FAN ROOM	CONC.	7	S	RESIL. 1*	4"	FF	CONC. ** PLAS. **	3	U	CONC. **	1	U	CONC.	11'-7 1/2"	SEE SHEET 10A RM. #14 ** ACOUSTICAL LINING PLANTED IN COFFERS & UPON WALLS FROM +3'-0" TO +11'-7 1/2"	(C) 100%
317	BOILER ROOM	CONC.	7	S	RESIL. 1*	4"	FF	CONC. PLAS.	3	U	CONC.	1	U	CONC.	11'-7 1/2"		
318	CUSTODIAN	CONC.	7	S	RESIL. 1*	4"	FF	CONC. PLAS.	3	U	PLAS. **	1	PG	PLAS.	9'-0"	** 1-HE. FIRE RATED CEILING CONSTRUCTION.	
319	VESTIBULE	CARPET	—	U		*		CONC.	3	U	AC. T.	1	FF	AC. T.	9'-0"		
320	STAIR N°3	CARPET **	—	U				CONC.	3	U	CONC.	1	U	CONC.	VARIES	UNDERSIDE OF STAIRS & LANDINGS SHALL BE CONC. TYPE I. ** DEX-O-TEX TOPPING @ STAIR TO ROOF	
321	LOBBY	CARPET	—	U	RESIL. 2*	4"	FF	DEM. PART. PLAS.	1	SP	AC. T.	1	U	AC. T.	9'-0"		
322	BUSINESS MACHINES	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	CONC. AC. T. AC. BD.	2	FF	CONC. AC. T.	11'-7 1/2"	** RESIL. BASE 2 ON CABINET WORK.	
323	BUSINESS MACHINES	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	CONC. AC. T. AC. BD.	2	FF	CONC. AC. T.	11'-7 1/2"	** RESIL. BASE 2 ON CABINET WORK.	
324	ACCOUNTING	CARPET	—	U	RESIL. 2*	4"	FF	CONC. PLAS. DEM. PART.	3	U	CONC. AC. T. AC. BD.	2	FF	CONC. AC. T.	11'-7 1/2"		
325	ELEC. & TELE. CLOS.	CONC.	7	S	RESIL. 1*	4"	FF	PLAS.	1	PF	CONC.	1	U	CONC.	11'-7 1/2"		
326	ELEC. & TELE. CLOS.	CONC.	7	S	RESIL. 1*	4"	FF	CONC. PLAS.	3	U	CONC.	1	U	CONC.	11'-7 1/2"		
	ELEVATOR SHAFT							CONC. PLAS. **	1	U	CONC.	1	U	CONC.	11'-7 1/2"	** 2 1/2" THK. 2 HE. PLAS. PARTITION.	(C) 100%



## DOOR SCHEDULE

	NO.	DIMENSION		DOOR		FRAME	DETAILS					REMARKS	
		WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES		
	101			NOT USED									
EXT.	102	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
EXT.	103	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
	104			NOT USED									
EXT.	105	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
EXT.	106	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
EXT.	107	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
EXT.	108	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
EXT.	109	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
EXT.	110	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
EXT.	111	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	G 7.01	J 7.01		
EXT.	112	6'-0"	11'-5 3/4"	B* PAIR	SCRF	HM	A 6.02	C 6.02	C 5.01	B 6.02	F 5.03	24"X60" LOUVER IN EA. DOOR PANEL LOUVERS ABOVE DOOR * RESIN FINISHED	
EXT.	113	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
EXT.	114	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
EXT.	115	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
EXT.	116	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE	
	117			NOT USED									
	118	4'-4"	9'-0"	CX	SCP	ALC	A 7.05	K 5.01	E 7.05	M 7.01	L 5.02	3'-0" WIDE ACTIVE LEAF, MET. ASTRAGAL	
	119	3'-4"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	—	30"X 14" LOUVER	
	120	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	—	24" X 12" LOUVER	
	121	6'-0"	8'-10 1/2"	BX PAIR	SCP	HM	D 5.01	K 5.01	H 5.01	H 5.01	J 5.01	SOUND SEALS	
	122	6'-4 1/2"	13'-4 1/4"	BX PAIR	SCP	HM	C 5.01	G 5.01	C 5.01	C 5.01	—	PANIC HARDWARE 1-HR. FIRE RATING LABEL	
	123	3'-4"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	L 5.02		
	124	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	L 5.02		
	125	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	B 5.01	E 5.01	L 5.02		

## DOOR SCHEDULE

	NO.	DIMENSION		DOOR		FRAME	DETAILS					REMARKS
		WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES	
	126	3'-2 1/2"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	E 5.01	B 5.01	—	
	127	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	L 5.02	
	128	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	B 5.01	E 5.01	L 5.02	
	129	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	L 5.02	30" X 6" LOUVER
	130	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	E 5.01	—	
	131	6'-0"	8'-10 1/2"	BX PAIR	SCP	HM	G 5.03	K 5.01	B 5.01	C 5.01	L 5.02	MET. ASTRAGAL
	132	3'-0"	7'-0"	A	SCP	HM	D 5.01	—	H 5.01	sim. C 5.01	J 5.01	SOUND SEALS 24" X 6" LOUVER
	133	3'-4"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	—	
	134	3'-4"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	—	30" X 6" LOUVER
	135	3'-4"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	—	30" X 6" LOUVER
	136	3'-4"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	L 5.02	
	137	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	—	
	138	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	—	24" X 6" LOUVER
	139	3'-4"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	—	
	140	3'-4"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	—	30" X 6" LOUVER
	141	3'-4"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	—	
	142	3'-2 1/2"	7'-0"	A	SCP	HM	A 5.01	—	B 5.01	E 5.01	—	29" X 15" LOUVER
	143	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	H 5.02	
	144	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	—	
	145	5'-0"	8'-10 1/2"	CX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	L 5.02	3'-0" WIDE ACTIVE LEAF, MET. ASTRAGAL
	146	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	B 5.01	E 5.01	L 5.02	
	147	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	B 5.01	E 5.01	L 5.02	
	148	4'-4"	9'-0"	CX	SCP	ALC	L 7.01	K 5.01	L 7.01	M 7.01	L 5.02	3'-0" WIDE ACTIVE LEAF, MET. ASTRAGAL
	149	6'-4 1/2"	13'-4 1/4"	BX PAIR	SCP	HM	C 5.01	G 5.01	C 5.01	C 5.01	—	PANIC HARDWARE 1-HR. FIRE RATING LABEL
	150	3'-4"	7'-0"	A	SCP	HM	A 5.01	—	—	C 5.01	—	PANIC HARDWARE

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

APPROVED FEB 13 1970

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE: FEB 11 1970BY: *ac*

SCALE NONE

DATE

DRAWN HWK

JOB C-1007

CYPRESS COLLEGE  
PHASE IIWB  
ARCHITECTS  
PLANNERSWILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

DOOR SCHEDULE

SCIENCE BUILDING 'A'

SHEET

4.01  
OF

**DOOR SCHEDULE**

NO.	DIMENSION		DOOR		FRAME	DETAILS						REMARKS
	WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES		
151	3'-0"	7'-0"	A	—	SCP	HM	A 5.01	—	A 5.01	A 5.01	L 5.02	
152	2'-10 1/2"	8'-10 1/2"	AX	—	SCP	HM	G 5.03	—	G 5.02	E 5.01	L 5.02	CLOSURE B 5.02
153	3'-4"	8'-10 1/2"	AX	—	SCP	HM	G 5.03	K 5.01	E 5.01	E 7.05	L 5.02	LOUVER 26" x 18"
154	3'-4"	8'-10 1/2"	AX	—	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	—	LOUVER 30" x 18"
155	3'-4"	8'-10 1/2"	AX	—	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	—	LOUVER 30" x 6"
156	3'-4"	8'-10 1/2"	AX	—	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	—	
157	3'-4"	6'-10"	A	—	SCP	HM	C 5.01	—	C 5.01	C 5.01	—	LOUVER 30" x 6"
158	3'-4"	7'-0"	A	—	SCP	HM	A 5.01	—	—	C 5.01	—	PANIC HARDWARE
159	3'-0"	7'-0"	A	—	SCP	HM	A 5.01	—	A 5.01	A 5.01	L 5.02	
160	3'-4"	7'-0"	A	—	SCP	HM	A 5.01	—	—	—	—	
161	3'-4"	7'-0"	A	—	SCP	HM	A 5.01	—	—	—	—	
162	3'-0"	8'-10 1/2"	AX	—	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	L 5.02	
163	6'-0"	8'-10 1/2"	BX PAIR	—	SCP	HM	D 5.01	K 5.01	H 5.01	H 5.01	J 5.01	SOUND SEALS
164	3'-0"	8'-10 1/2"	AX	—	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	—	LOUVER 26" x 9"
165	3'-0"	7'-0"	H	—	SCP	HM	A 5.01	—	A 5.01	A 5.01	J 5.02	LOUVER 26" x 9"
166	3'-0"	8'-10 1/2"	AX	—	SCP	HM	G 5.03	K 5.01	B 5.01	B 5.01	L 5.02	
167	3'-0"	8'-10 1/2"	AX	—	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	—	LOUVER 26" x 9"
168	3'-0"	7'-0"	H	—	SCP	HM	A 5.01	—	A 5.01	A 5.01	J 5.02	LOUVER 26" x 9"
169	6'-0"	8'-10 1/2"	BX PAIR	—	SCP	HM	D 5.01	G 5.01	H 5.01	H 5.01	J 5.01	SOUND SEALS
170	3'-0"	6'-7"	A	—	SCP	HM	A 5.01	—	A 5.01	A 5.01	C 5.03	CONC. CURB
171	O	M	I	T								OMIT
172	6'-4 1/2"	13'-4 1/4"	BX PAIR	—	SCP	HM	C 5.01	G 5.01	C 5.01	C 5.01	—	PANIC HARDWARE 1 HR. FIRE RATING LABEL
173	6'-4 1/2"	7'-0"	J	—	HMF	HM	A 5.01	—	G 5.02	G 5.02	1 1/2" GAP @ FLOOR	DISPLAY CASE NARROW STYLE DOOR W/ 1/4" TEMP PL GLASS
174	3'-0"	7'-0"	—	—	SCP	HM	B 5.03	—	A 5.01	A 5.01	—	CASED OPENING ONLY (NO DOOR)

DOOR SCHEDULE

[illegible]

SCALE NONE

DATE \_\_\_\_\_

DRAWN HAK

JOB C-1007

CYPRESS COLLEGE  
PHASE II

**W B**  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

DOOR SCHEDULE

---

SCIENCE BUILDING

SHEET

4.02

9



## DOOR SCHEDULE

	NO.	DIMENSION		DOOR		FRAME	DETAILS					REMARKS
		WIDTH	HT.	TYPE	MAT.		MAT.	HEAD	TRAN	JAMB	JAMB	
	201	THIS NUMBER NOT USED										
EXT.	202	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE
EXT.	203	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE
	204	THIS NUMBER NOT USED										
EXT.	205	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	
EXT.	206	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	
	207	6'-0"	8'-10½"	BX PAIR	SCP	HM	D 5.01	G 5.01	H 5.01	H 5.01	J 5.01	SOUND SEALS
	208	4'-0"	8'-10½"	AX	SCP	HM	D 5.02	G 5.01	G 5.02	B 5.01	—	CLOSURE (C) 1HR. FIRE RATING LABEL PANIC HDWE (5.02)
	209	4'-0"	8'-10½"	AX	SCP	HM	D 5.02	G 5.01	G 5.02	B 5.01	—	CLOSURE (C) 1HR. FIRE RATING LABEL PANIC HDWE (5.02)
	210	3'-4"	8'-10½"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	—	
	211	3'-2¾"	8'-10½"	EX	SCP	HM	G 5.03	K 5.01	E 5.01	B 5.01	—	
	212	3'-4"	8'-10½"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	—	
	213	3'-4"	8'-10½"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	—	
	214	3'-4"	8'-10½"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	—	
	215	3'-0"	8'-10½"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	—	
	216	3'-0"	8'-10½"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	—	
	217	3'-0"	8'-10½"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	—	LOUVER 26" x 9"
	218	3'-0"	8'-10½"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	—	
	219	3'-0"	8'-10½"	AX	SCP	HM	G 5.03	K 5.01	B 5.01	L 5.01	—	
	220	3'-4"	8'-10½"	AX	SCRF	ALC	G 5.03	K 5.01	L 5.01	E 5.01	—	
	221	2'-10½"	8'-10½"	AX	SCRF	ALC	G 5.03	K 5.01	E 5.01	L 5.01	—	
	222	3'-0"	8'-10½"	AX	SCP	HM	G 5.03	K 5.01	L 5.01	E 5.01	—	
	223	3'-0"	8'-10½"	AX	SCP	HM	G 5.03	K 5.01	E 5.01	B 5.01	—	
	224	3'-0"	8'-10½"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.04	—	
	225	3'-0"	8'-10½"	AX	SCP	HM	G 5.03	K 5.01	E 5.04	A 5.01	—	

Doors 219, 222 and 248: Change frame material to ALC in lieu of HM as indicated.

## DOOR SCHEDULE

	NO.	DIMENSION		DOOR		FRAME	DETAILS					REMARKS
		WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES	
	226	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	L 5.02	
	227	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	—	
	228	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	—	
	229	4'-0"	11'-5"	AX	SCP	HM	D 5.02	G 5.01	G 5.02	B 5.01	—	1HR. FIRE RATING LABEL PANIC HDWE.
	230	4'-0"	11'-5"	AX	SCP	HM	D 5.02	G 5.01	G 5.02	B 5.01	—	1HR. FIRE RATING LABEL PANIC HDWE.
	231	6'-0"	8'-10 1/2"	BX PAIR	SCP	HM	D 5.01	G 5.01	H 5.01	H 5.01	J 5.01	SOUND SEALS
	232	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	—	LOUVER 26" x 9"
	233	3'-0"	7'-0"	H	SCP	HM	A 5.01	—	A 5.01	A 5.01	J 5.02	LOUVER 26" x 9"
	234	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	5.02	LOUVER 26" x 9"
	235	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	—	LOUVER 26" x 9"
	236	3'-0"	7'-0"	H	SCP	HM	A 5.01	—	A 5.01	A 5.01	J 5.02	LOUVER 26" x 9"
	237	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	—	
	238	3'-0"	8'-10 1/2"	AX	SCP	ALC	G 7.05	K 5.01	C 7.06	K 7.06	—	
	239	4'-0"	11'-5"	AX	SCP	HM	D 5.02	G 5.01	G 5.02	A 5.01	—	1HR. FIRE RATING LABEL PANIC HDWE.
	240	4'-0"	11'-5"	AX	SCP	HM	D 5.02	G 5.01	G 5.02	A 5.01	—	1HR. FIRE RATING LABEL PANIC HDWE.
	241	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	—	
	242	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	—	
	243	3'-6"	8'-10 1/2"	AX	SCN	HM	G 5.03	K 5.01	D 18.05	C 5.01	—	PANIC HARDWARE CLOSURE (B) (5.02)
	244	3'-6"	8'-10 1/2"	AX	SCN	HM	G 5.03	K 5.01	C 5.01	C 18.05	—	PANIC HARDWARE CLOSURE (B) (5.02)
	245	3'-6"	8'-10 1/2"	AX	SCN	HM	G 5.03	K 5.01	C 5.01	C 18.05	—	PANIC HARDWARE CLOSURE (B) (5.02)
	246	3'-6"	8'-10 1/2"	AX	SCN	HM	G 5.03	K 5.01	D 18.05	C 5.01	—	PANIC HARDWARE CLOSURE (B) (5.02)
	247	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	—	
	248	3'-0"	7'-0"	A	SCP	HM	A 7.05	—	M 7.01	E 7.05	—	SOUND SEALS
	249	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	E 5.01	—	
	250	3'-0"	4'-0"	A	SCP	HM	E 5.05	—	F 5.05	G 5.05	E 5.05	SOUND SEALS

STATE OF CALIFORNIA  
OFFICE OF ARCHITECTURE AND CONSTRUCTION  
3271 G APPROVED FEB 1 2 1970  
DATE 1/21/70  
BY [Signature]

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE 1/21/70  
BY [Signature]

SCALE NONE  
DATE  
DRAWN HWK  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

WB  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

DOOR SCHEDULE  
SCIENCE BUILDING "A"

SHEET  
4.03  
OF



## DOOR SCHEDULE

NO.	DIMENSION		DOOR		FRAME	DETAILS					REMARKS
	WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES	
301	4'-0"	11'-5"	AX	SCP	HM	D 5.02	G 5.01	G 5.02	B 5.01	—	CLOSURE (C) 1HR. FIRE RATING LABEL
302	3'-2 3/4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	B 5.01	E 5.01	L 5.02	
303	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	L 5.02	LOUVER 26" x 9"
304	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	—	
305	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	L 5.02	
306	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	L 5.02	
307	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	L 5.02	
308	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	E 5.01	—	
309	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	B 5.01	E 5.01	—	
310	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	E 5.01	—	
311	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	L 5.02	
312	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	—	
313	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	—	
314	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	L 5.02	
315	4'-0"	8'-10 1/2"	AX	SCP	HM	D 5.02	G 5.01	G 5.02	B 5.01	—	CLOSURE (C) 1HR. FIRE RATING LABEL
316	5'-0"	8'-10 1/2"	BX PAIR	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	—	LOUVERS - 26" x 15" IN 3'-0" LEAF & 14" x 15" IN 2'-0" LEAF
317	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	B 5.01	B 5.01	—	
318	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	B 5.01	B 5.01	—	
319	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	B 5.01	B 5.01	—	
320	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	B 5.01	B 5.01	—	
321	6'-0"	8'-10 1/2"	BX PAIR	SCP	HM	D 5.01	G 5.01	H 5.01	H 5.01	J 5.01	SOUND SEALS
322	6'-0"	6'-7"	BX PAIR	SCP	HM	A 5.01	—	A 5.01	A 5.01	C 5.03	6" CONC. CORB 1HR. FIRE RATING LABEL
323	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	—	LOUVER 26" x 9"
324	3'-0"	7'-0"	H	SCP	HM	A 5.01	—	A 5.01	A 5.01	M 5.02	*FRAME HT. - DOOR HT. = 6'-9 1/2"
325	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	L 5.02	LOUVER 26" x 9"

## DOOR SCHEDULE

NO.	DIMENSION		DOOR		FRAME	DETAILS					REMARKS
	WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES	
326	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	—	
327	3'-0"	7'-0"	H	SCP	HM	A 5.01	—	A 5.01	A 5.01	M 5.02	*FRAME HT. - DOOR HT. = 6'-9 1/2"
328	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	C 5.01	L 5.02	
329	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	—	
330	5'-0"	8'-10 1/2"	CX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	L 5.02	3'-0" WIDE ACTIVE LEAF, MET. ASTRAGAL
331	4'-0"	11'-5"	AX	SCP	HM	D 5.02	G 5.01	G 5.02	A 5.01	—	CLOSURE (C) 1HR. FIRE RATING LABEL
332	3'-4"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	L 5.02	
333	4'-8"	9'-0"	CX	SCP	ALC	D 7.05	K 5.01	E 7.05	E 7.05	L 5.02	3'-0" WIDE ACTIVE LEAF, MET. ASTRAGAL
334	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	*	*LIGHT PROOF BOTTOM DOOR SEAL
335	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.01	L 5.02	
336	3'-4"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	L 5.01	L 5.02	
337	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	—	
338	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	B 5.01	—	
339	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	—	
340	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	H 5.02	
341	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	H 5.02	
342	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	H 5.02	
343	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	H 5.02	
344	3'-4"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	B 5.01	L 5.02	
345	6'-0"	8'-10 1/2"	BX PAIR	SCP	HM	D 5.01	G 5.01	H 5.01	H 5.01	J 5.01	SOUND SEALS
346	3'-4"	9'-0"	AX	SCP	ALC	A 7.05	K 5.01	B 7.05	F 7.05	L 5.02	
347	3'-4"	9'-0"	AX	SCP	ALC	A 7.05	K 5.01	B 7.05	F 7.05	—	
348	3'-4"	9'-0"	AX	SCP	ALC	A 7.05	K 5.01	B 7.05	F 7.05	—	
349	3'-4"	9'-0"	AX	SCP	ALC	A 7.05	K 5.01	C 7.05	F 7.05	L 5.02	
350	3'-4"	9'-0"	AX	SCP	ALC	A 7.05	K 5.01	B 7.05	F 7.05	L 5.02	

STATE OF CALIFORNIA DEPARTMENT OF GENERAL SERVICES  
OFFICE OF ARCHITECTURE AND CONSTRUCTION

32716 APPROVED FEB 13 1970

APPROVED FOR ARCHITECT

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE FEB 11 1970

BY

SCALE NONE  
DATE  
DRAWN HWK  
JOB C-1007CYPRESS COLLEGE  
PHASE IIWB  
ARCHITECTS  
PLANNERSWILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300DOOR SCHEDULE  
SCIENCE BUILDING "A"SHEET  
4.04  
OF

DOOR SCHEDULE												
NO.	DIMENSION		DOOR		FRAME	DETAILS					REMARKS	
	WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES		
351	3'-4"	9'-0"	AX / —	SCP	ALC	A 7.05	K 5.01	B 7.05	F 7.05	—		
352	3'-4"	9'-0"	AX / —	SCP	ALC	A 7.05	K 5.01	B 7.05	F 7.05	—		
353	3'-4"	9'-0"	AX / —	SCP	ALC	A 7.05	K 5.01	C 7.05	F 7.05	L 5.02		
354	3'-4"	9'-0"	AX / —	SCP	ALC	A 7.05	K 5.01	B 7.05	F 7.05	L 5.02		
355	3'-4"	9'-0"	AX / —	SCP	ALC	A 7.05	K 5.01	B 7.05	F 7.05	L 5.02		
356	3'-4"	9'-0"	AX / —	SCP	ALC	A 7.05	K 5.01	B 7.05	F 7.05	L 5.02		
357	3'-4"	9'-0"	AX / —	SCP	ALC	A 7.05	K 5.01	C 7.05	F 7.05	L 5.02		
358	N	O	T		U	S	E	D				
359	3'-0"	7'-0"	A / —	SCP	HM	A 5.01	—	A 5.01	A 5.01	L 5.02		
360	N	O	T		U	S	E	D				
361	3'-0"	7'-0"	A / —	SCP	HM	A 5.01	—	A 5.01	A 5.01	L 5.02		
362	3'-0"	7'-0"	A / —	SCP	HM	A 5.01	—	A 5.01	A 5.01	L 5.02		
363	3'-0"	7'-0"	A / —	SCP	HM	A 5.01	—	A 5.01	A 5.01	L 5.02		
364	3'-0"	7'-0"	A / —	SCP	HM	A 5.01	—	A 5.01	A 5.01	L 5.02		
365	3'-0"	7'-0"*	A / —	SCP	H.M.	A 5.01	—	A 5.01	B 5.01	J 5.09	*6'-7" HT. ABOVE RAISED FL.	

SCALE	NONE	<u>CYPRESS COLLEGE</u> <u>PHASE II</u>
DATE		
DRAWN	HWK	
JOB	C-1007	

[illegible]

STATE OF CALIFORNIA DEPARTMENT OF PUBLIC WORKS	
OFFICE OF ARCHITECTURE AND CONSTRUCTION	
32716	APPROVED FEB 1 1970
100	100

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE: FEB 1 1970  
BY: *[Signature]*

DOOR SCHEDULE	SHEET
SCIENCE BUILDING "A"	4.05
	OF



## DOOR SCHEDULE

	NO.	DIMENSION		DOOR		FRAME	DETAILS					REMARKS
		WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES	
EXT.	101	10'-0"	11'-5"	BX PAIR	HM	HM	C 6.02	A 6.02	C 5.01	C 5.01	F 5.01	FULL LOWERED DOORS WITH LOUVERS ABOVE
EXT.	102	4'-3 1/2"	11'-5"	AX	SCRF	HM	A 5.02	K 5.01	C 5.01	C 5.01	F 5.01	
	103	4'-0"	7'-0"	A	SCRF	HM	A 5.01	—	A 5.01	C 5.01	—	36"x 24" LOWER LOW
EXT.	104	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	G 7.01	J 7.01	PANIC HARDWARE
EXT.	105	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	G 7.01	J 7.01	PANIC HARDWARE
	106	3'-10 1/2"	11'-5"	AX	SCP	HM	K 6.02	L 6.02	G 5.02	G 5.02	—	46 1/2" X 29" LOWER IN TRANSOM 36" X 24" LOWER LOW
	107	3'-10 1/2"	8'-10 1/2"	AX *	SCP	HM	G 5.03	K 5.01	G 5.02	G 5.02	—	36" X 24" LOWER LOW
	108	3'-0"	10'-4 1/2"	AX	SCP	HM	A 5.04	B 5.04	C 5.01	C 5.01	L 5.03	20" X 12" LOWER LOW
EXT.	109	4'-0"	11'-5"	AX	SCRF	HM	A 5.02	K 5.03	C 5.01	C 5.01	H 5.03	WEATHER SEALS * RESIN FINISHED
	110	6'-4 1/2"	8'-10 1/2"	J	HMF	HM	G 5.03	—	G 5.02	G 5.02	1/2" GAP FLOOR	STEEL NARROW STILE DOOR W/4" TEMP PL. GLASS INSTALL FLOOR HINGE
	111	6'-4 1/2"	8'-10 1/2"	BX PAIR	SCP	HM	G 5.03	G 5.01	G 5.02	G 5.02	J 5.04	PANIC HARDWARE 1 HR. ASSEMBLY
	112	3'-4"	8'-10 1/2"	AX	SCP	HM	G 5.03	F 5.08	L 5.01	A 5.01	L 5.02	PANIC HARDWARE
	113	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	D 16.02	C 16.02	—	
	114	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	B 16.02	C 16.02	—	
	115	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—	
	116	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	B 16.02	C 16.02	—	
	117	6'-0"	8'-10 1/2"	BX PAIR	SCP	HM	D 5.01	K 5.01	H 5.01	H 5.01	J 5.01	1 HR. ASSEMBLY SOUND SEALS, ASTRAGAL
	118	3'-0"	7'-0"	A	SCP	HM	A 5.01	—	A 5.01	A 5.01	—	
EXT.	119	6'-0"	7'-0"	B* PAIR	HM	HM	C 6.02	A 6.02	C 5.01	C 5.01	F 5.01	FULL LOWERED DOORS WITH LOUVERS ABOVE WEATHER SEALS * RESIN FINISHED
	120	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	F 5.08	A 5.01	A 5.01	L 5.02	1-HR. ASSEMBLY 20" X 12" LOWER LOW - FL.F.D.
	121	3'-4"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	L 5.01	L 5.01	L 5.02	PANIC HARDWARE
	122	3'-4"	8'-10 1/2"	AX	SCP	HM	C 5.01	G 5.01	C 5.01	C 5.01	L 5.02	PANIC HARDWARE 1-HR. ASSEMBLY
EXT.	123	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	H 7.01	G 7.01	J 7.01	PANIC HARDWARE WEATHER SEALS
EXT.	124	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	H 7.01	G 7.01	J 7.01	PANIC HARDWARE WEATHER SEALS
	125	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—	

## DOOR SCHEDULE

NO.	DIMENSION		DOOR		FRAME	DETAILS					
	WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES	
126	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	B 16.02	C 16.02	—	
127	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—	
128	3'-4"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	L 5.01	L 5.02	PANIC HARDWARE
129	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	L 5.01	L 5.02	
130	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	L 5.01	A 5.01	L 5.02	
131	3'-0"	7'-0"	E	SCP	DP	B 16.02	—	B 16.02	B 16.02	L 5.02	
132	6'-0"	8'-10 1/2"	BX PAIR	SCP	HM	G 5.03	K 5.01	E 5.03	E 5.03	L 5.02	
133	9'-0 5/8"	8'-10 1/2"	BX PAIR	SCP	HM	G 5.03	K 5.01	K 5.02	E 5.03	L 5.02	
EXT. 134	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	G 7.01	J 7.01	PANIC HARDWARE WEATHER SEALS
135	3'-0"	7'-0"	E	SCP	DP	B 16.02	—	D 16.02	B 16.02	L 5.02	

SCALE  
DATE  
DRAWN BY  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

WB  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

DOOR SCHEDULE  
BUSINESS EDUCATION  
BUILDING

SHEET  
4.06  
OF

APPROVED  
STATE FIRE MARSHAL  
STATE OF CALIFORNIA  
DATE 10/1/70  
32710

## DOOR SCHEDULE

	NO.	DIMENSION		DOOR		FRAME	DETAILS					REMARKS
		WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES	
EXT.	201	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	G 7.01	J 7.01	PANIC HARDWARE
EXT.	202	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	G 7.01	J 7.01	PANIC HARDWARE
	203	3'-0"	11'-5"	AX	SCP	HM	D 5.02	K 5.01	K 5.02	K 5.02	—	26" x 18" LOUVER LOW
	204	3'-0"	8'-10 1/2"	HX	SCP	HM	A 5.03	K 5.01	C 5.01	C 5.01	J 5.02	26" x 18" LOUVER LOW FUSIBLE LINK OPERATED
	205	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	K 5.02	K 5.02	—	26" x 18" LOUVER LOW
	206	3'-0"	8'-10 1/2"	HX	SCP	HM	A 5.03	K 5.01	C 5.01	C 5.01	J 5.02	26" x 18" LOUVER LOW FUSIBLE LINK OPERATED
	207	4'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	G 5.01	A 5.01	K 5.02	—	PANIC HARDWARE I-HZ. ASSEMBLY
	208	4'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	G 5.01	K 5.02	A 5.01	—	PANIC HARDWARE I-HZ. ASSEMBLY
	209	3'-6"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	L 5.01	A 5.01	—	I-HZ. ASSEMBLY
	210	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	E 5.04	L 5.01	—	
	211	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	L 5.01	E 5.04	—	
	212	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	G 5.04	L 5.01	—	
	213	3'-0"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	E 5.04	A 5.01	—	
	214	3'-0"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	E 5.04	—	
	215	3'-0"	8'-10 1/2"	EX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	L 5.02	
	216	2'-6"	7'-0"	G	HCP	DP	B 18.03	—	—	—	—	SEE SHTS 18.01, 18.02 & 18.03 FOR ADDITIONAL REFERENCE
	217	▲	▲									▲
	218											
	219											
	220											
	221											
	222											
	223											
	224	▼	▼									
	225	2'-6"	7'-0"	G	HCP	DP	B 18.03	—	—	—	—	SEE SHTS 18.01, 18.02 & 18.03 FOR ADDITIONAL REFERENCE

Door Schedule: Doors with references to sheets 18.01, 18.02 and 18.03 are not in this Contract.

Hollow Core doors for Office Cubicles is work of Separate Contract (Faculty Office Cubicles).

## DOOR SCHEDULE

	NO.	DIMENSION		DOOR		FRAME	DETAILS					
		WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES	
	226	2'-6"	7'-0"	G	HCP	DP	B 18.03	—	—	—	—	SEE SHTS 18.01, 18.02 & 18.03 FOR ADDITIONAL REFERENCE
	227	▲	▲									▲
	228											
	229											
	230											
	231											
	232											
	233											
	234											
	235											
	236											
	237											
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	239											
	240											
	241											
	242											
	243											
	244											
	245											
	246											
	247	▼	▼									▼
	248	2'-6"	7'-0"	G	HCP	DP	B 18.03	—	—	—	—	SEE SHTS 18.01, 18.02 & 18.03 FOR ADDITIONAL REFERENCE
	249	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	L 5.01	—	
	250	6'-0"	8'-10 1/2"	AX PAIR	SCP	HM	D 5.01	G 5.01	H 5.01	H 5.01	J 5.01	I-HZ. ASSEMBLY SOUND SEALS, ASTRAGAL

NOT TO BE USED FOR CONSTRUCTION OF OTHER SERVICES  
OTHER THAN THOSE SPECIFIED IN CONTRACT

APPROVED FEB 1 1970

SCALE  
DATE  
DRAWN E.W.  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

WB  
ARCHITECTS  
PLANNERS

WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

DOOR SCHEDULE  
BUSINESS EDUCATION  
BUILDING

SHEET

4.07  
OF



DOOR SCHEDULE												
NO.	DIMENSION		DOOR		FRAME		DETAILS					REMARKS
	WIDTH	HT.	TYPE	MAT.	MAT.	HEAD	TRAN	JAMB	JAMB	THRES		
251	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	L 5.02	1-HZ. ASSEMBLY 26"X12" LOWER LOW-FL.FD.	
252	3'-4"	8'-10 1/2"	AX	SCP	HM	C 5.01	G 5.01	C 5.01	C 5.01	—	PANIC HARDWARE 1-HZ. ASSEMBLY	
253	4'-4 1/4"	8'-10 1/2"	FX	SCP	HM	G 5.03	K 5.01	H 5.04	H 5.04	H 5.08	PANIC HARDWARE SOUND SEALS	
254	3'-0"	8'-10 1/2"	EX	SCP	HM	K 5.04	K 5.01	L 5.04	L 5.04	L 5.02		
255	10'-0"	9'-0"	2R SLIDING	SCP	—	A 5.08	—	C 5.08	—	B 5.08	SLIDING DOORS W/C.B. & CHALK RAIL	
256	3'-0"	8'-10 1/2"	AX	SCP	HM	K 5.04	K 5.01	L 5.04	L 5.04	J 5.01	SEAL FOR PROTECTION AGAINST LIGHT	
257	4'-4 1/4"	8'-10 1/2"	FX	SCP	HM	G 5.03	K 5.01	H 5.04	H 5.04	H 5.08	PANIC HARDWARE SOUND SEALS	
258	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	L 5.01	—		
259	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—		
260	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	B 16.02	C 16.02	—		
261	3'-4"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	B 5.01	L 5.01	—	PANIC HARDWARE	
262	3'-0"	8'-11"	EX	SCP	DP	A 16.02	K 5.01	B 16.02	B 16.02	L 5.02		
263	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	L 5.01	L 5.01	—		
264	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	D 16.02	—		
265	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	J 16.02	C 16.02	—		
266	6'-0"	8'-10 1/2"	BX FABR	SCP	HM	G 5.03	K 5.01	E 5.03	E 5.03	L 5.02		
267	3'-8"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	H 5.04	L 5.01	—	1-HZ. ASSEMBLY	
268	9'-0 5/8"	8'-10 1/2"	BX FABR	SCP	HM	G 5.03	K 5.01	K 5.02	E 5.03	L 5.02		
269	OPERABLE	WALL	—	—	ALUM.	C 10.06	—	H 10.06	E 10.06	D 10.06	OPERABLE WALL COVERED W/VINYL FABRIC	

[illegible]

SHEET  
4.08  
OF

## DOOR SCHEDULE

	NO.	DIMENSION		DOOR		FRAME	DETAILS					REMARKS
		WIDTH	HT.	TYPE	MAT.		HEAD	TRAN	JAMB	JAMB	THRES	
EXT.	301	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE
EXT.	302	3'-4"	7'-0"	A	SCRF	ALC	G 7.01	—	G 7.01	H 7.01	J 7.01	PANIC HARDWARE
	303	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	B 16.02	C 16.02	—	
	304	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—	
	305	3'-0"	8'-11"	EX	SCP	DP	A 16.02	K 5.01	B 16.02	B 16.02	L 5.02	
	306	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	K 16.02	C 16.02	—	
	307	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	D 16.02	C 16.02	—	
	308	3'-10 1/2"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	E 5.01	E 5.01	—	
	309	4'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	G 5.01	A 5.01	D 5.04	—	PANIC HARDWARE I-HR ASSEMBLY
	310	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	D 16.02	—	
	311	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	B 16.02	C 16.02	—	
	312	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—	
	313	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—	
	314	6'-0"	8'-10 1/2"	BX PAIR	SCP	HM	D 5.01	G 5.01	H 5.01	H 5.01	J 5.01	I-HR ASSEMBLY SOUND SEALS
	315	6'-0"	7'-0"	BX PAIR	SCP	HM	A 5.01	—	A 5.01	A 5.01	—	I-HR ASSEMBLY
	316	3'-0"	8'-10 1/2"	AX	SCP	HM	G 5.03	K 5.01	A 5.01	A 5.01	L 5.02	I-HR ASSEMBLY 20" x 12" LOUVER LOW-FLPD
	317	3'-0"	6'-8"	A	SCRF	HM	C 5.01	—	C 5.01	C 5.01	M 5.03	
	318	3'-4"	8'-10 1/2"	AX	SCP	HM	C 5.01	G 5.01	C 5.01	C 5.01	—	PANIC HARDWARE I-HR ASSEMBLY
	319	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—	
	320	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	B 16.02	C 16.02	—	
	321	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—	
	322	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	B 16.02	C 16.02	—	
	323	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—	
	324	3'-0"	8'-11"	AX	SCP	DP	A 16.02	K 5.01	C 16.02	B 16.02	—	
	325	6'-0"	8'-10 1/2"	BX PAIR	SCP	HM	G 5.03	K 5.01	E 5.03	E 5.03	L 5.02	

## DOOR SCHEDULE

	NO.	DIMENSION		DOOR		FRAME	DETAILS					
		WIDTH	HT.	TYPE	MAT.		HEAD	TRAN	JAMB	JAMB	THRES	
	326	9'-0 7/8"	8'-10 1/2"	BX PAIR	SCP	HM	G 5.03	K 5.01	K 5.02	E 5.03	L 5.02	

SCALE  
DATE  
DRAWN E.W.  
JOB C-1007

CYPRESS COLLEGE  
PHASE II

William E. Blurock  
WB  
ARCHITECTS  
PLANNERS  
WILLIAM E. BLUROCK AND ASSOCIATES  
1550 BAYSIDE DRIVE, CORONA DEL MAR, CALIFORNIA  
714-673-0300

DOOR SCHEDULE  
BUSINESS EDUCATION  
BUILDING

SHEET  
4.09  
OF

APPROVED  
DATE 11/10/00  
STATE OF CALIFORNIA  
APPROVED  
DATE 11/10/00  
STATE OF CALIFORNIA