



RFP NO. 320004

DANE COUNTY DEPARTMENT OF PUBLIC WORKS,
HIGHWAY AND TRANSPORTATION

**PUBLIC WORKS
ENGINEERING DIVISION**
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713

**REQUEST FOR PROPOSALS NO. 320004
EMERGENCY MANAGEMENT FACILITY REMODEL
ARCHITECTURAL / ENGINEERING DESIGN SERVICES
5415 KING JAMES WAY
FITCHBURG, WISCONSIN**

Due Date / Time: **TUESDAY, MARCH 24, 2020 / 2:00 P.M.**

Location: **PUBLIC WORKS OFFICE**

FOR INFORMATION ON THIS REQUEST FOR PROPOSALS, PLEASE CONTACT:

Eric Urtes, AIA – Public Works Project Manager
TELEPHONE NO.: 608/266-4798
FAX NO.: 608/267-1533
E-MAIL: urtes.eric@countyofdane.com



Department of Public Works, Highway & Transportation
Public Works Engineering Division

608/266-4018

Gerald J. Mandli, P.E.
Commissioner / Director

Joseph T. Parisi
County Executive

Deputy Director
Todd Draper

1919 Alliant Energy Center Way
Madison, Wisconsin 53713
Fax: 608/267-1533

https://pwht.countyofdane.com/public_works.aspx#engineering

February 20, 2020

INVITATION FOR PROPOSALS

You are invited to submit a Proposal for RFP No. 320004 to provide professional architectural & engineering (A/E) design services for the **Emergency Management Facility Remodel** of the former City of Fitchburg Fire Station on King James Way. The Proposals are due on or before **2:00 p.m., Tuesday, March 24, 2020**. No proposal bond or performance bond is required for this project.

ADDITIONAL INFORMATION

The building at 5415 King James Way (formerly a City of Fitchburg Fire Station) will now house the offices of the Dane County Department of Emergency management and store equipment/vehicles used and maintained by the Department. The building will also provide space for the County's primary Emergency Operations Center. While the emergency management offices and equipment bays are relatively standard, the Emergency Operations Center (EOC) is a highly specialized facility. The EOC is a critical disaster response and recovery asset for Dane County government. In addition to Dane county emergency Management staff experience, best practices will be used as the basis for design specification of the EOC facility.

INFORMATIONAL SITE TOUR

An informational facility tour will be held March 11, 2020 at 10:00 a.m. at the King James Way Fire Station, starting at the front of the building. Interested firms are strongly encouraged to attend this tour.

SPECIAL INSTRUCTIONS

Please provide the entire proposal package in these formats: one (1) unbound original hard copy, three (3) bound hard copies and an electronic version on a USB flash drive or compact disk. Follow these instructions when submitting your proposal:

1. Place the signed Proposal Form on top as page 1.
2. Place the signed Fair Labor Practices Certification after the Proposal Form as page 2.
3. Place the Proposal information after Fair Labor Practices Certification.
4. Clearly label your envelope containing your proposal in the lower left-hand corner as follows:

Proposal No. 320004

Emergency Management Facility Remodel

March 24, 2020, 2:00 p.m.

5. Mail or deliver to:
Eric Urtes, AIA - Project Manager
Dane County Department of Public Works, Highway & Transportation
1919 Alliant Energy Center Way
Madison, Wisconsin 53713

If any additional information about this Request for Proposals is needed, please call Eric Urtes, AIA at 608/266-4798 or send email to urtes.eric@countyofdane.com .

Sincerely,

J. Eric Urtes, AIA

Project Manager

Enclosure: Request for Proposals No. 320004 Package

SECTION 00 01 10

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- 00 52 98 - Sample Architectural / Engineering Professional Services Agreement
- 00 73 11 - Fair Labor Practices Certification

DRAWINGS

Plot drawings on 24" x 36" (ARCH D) paper for correct scale or size.

- Figure 1 – Aerial View of Former Fire Station
- Sheet A1 - Site Plan (From Original Plans Dated 2-18-1993 / As-Builts)
- Sheet A3 - Foundation-Basement Plan (From Original Plans Dated 2-18-1993 / As-Builts)
- Sheet A4 - First Floor Plan (From Original Plans Dated 2-18-1993 / As-Builts)
- Reference Drawings – Full Set (Original Plans Dated 2-18-1993 / As-Builts)

END OF SECTION

LEGAL NOTICE

REQUEST FOR PROPOSALS (RFP)

Dane County Dept. of Public Works, Hwy & Transp., 1919 Alliant Energy Center Way, Madison, WI 53713, will receive sealed Proposals until:

2:00 P.M., TUESDAY, MARCH 24, 2020

RFP NO. 320004

EMERGENCY MANAGEMENT FACILITY REMODEL

KING JAMES WAY FIRE STATION

5415 KING JAMES WAY, FITCHBURG, WI

Dane County is inviting Proposals for professional architectural & engineering design services. The project involves remodeling a building formerly used as a fire station so that it can be repurposed as a new Emergency Management Facility. Only firms with capabilities, experience & expertise with similar projects should obtain this RFP document & submit Proposals.

RFP document may be obtained after **2:00 p.m. on Thursday, February 20, 2020** by downloading it from bids-pwht.countyofdane.com. Please contact Eric Urtes, AIA - Project Mgr., at 608/266-4798 (urtes.eric@countyofdane.com), or our office at 608/266-4018, for any questions or additional information.

An informational facility tour will be held March 11, 2020 at 10:00 a.m. at the King James Way Fire Station, starting at the front of the building. Interested firms are strongly encouraged to attend this tour.

PUBLISH: FEBRUARY 18 & FEBRUARY 25, 2020 - WISCONSIN STATE JOURNAL
FEBRUARY 18 & FEBRUARY 25, 2020 - THE DAILY REPORTER

SECTION 00 24 16

SCOPES OF PROPOSALS

1. GENERAL INFORMATION

- A. Dane County is inviting proposals for professional architectural & engineering (A/E) design services for the Emergency Management Facility Remodel.
- B. The building at 5415 King James Way (formerly a City of Fitchburg Fire Station) will now house the offices of the Dane County Department of Emergency management and store equipment/vehicles used and maintained by the Department. The building will also provide space for the County's primary Emergency Operations Center. While the emergency management offices and equipment bays are relatively standard, the Emergency Operations Center (EOC) is a highly specialized facility. The EOC is a critical disaster response and recovery asset for Dane County government. In addition to Dane county emergency Management staff experience, best practices will be used as the basis for design specification of the EOC facility.
- C. To be considered for this project, the Consultant must meet or exceed the following criteria:
 - 1. Have at least one registered architect & one registered professional engineer as lead responsible members of the firm or project team.
 - 2. Have been in business for a period of not less than five (5) years.
 - 3. Must have been responsible for the design and completion of at least three (3) projects of similar design scope and size.
 - 4. Consideration may be given to joint ventures consisting of two or more firms organized for the purpose of furnishing professional services as a single entity, providing the assignment of and provisions for continuity of the various responsibilities within the joint venture are approved by the County, and further providing that either of the individual firms constituting the joint venture meets the eligibility requirements listed above.

2. SCOPE OF WORK

- A. **Project deliverables and specific tasks for all Design Phases are detailed in the *Architectural / Engineering Professional Services Agreement.***
 - 1. Design and Construction Phases Adhere to Dane County Green Building Policy.
 - 2. Dane County will review, provide input & make modifications throughout the design process.
 - 3. Develop & refine opinions of probable cost throughout design phases.
- B. Study Phase

Prepare a summary report / study consisting of text, drawings, and other documents that illustrate the present condition of the facility and provide recommendations / options for restoration & repairs (including condition assessment inspection report) with associated priorities & opinion of probable construction costs. Architectural Programming / Space Needs shall include descriptions of equipment, furniture and voice/data needs for all spaces.

Provide a summary table of rooms/areas, proposed square footage, and remarks. Written descriptions are to be provided in regard to work flow efficiencies to meet operational standards, security provisions, and public access. Details regarding specialized area requirements as determined by the Planning Team are to be described/reviewed. The development of an Emergency Operations Center (EOC) at the facility will be reviewed by the Planning Team for this facility. A questionnaire shall be developed for staff input and provided to the Planning Team for distribution.

Items to be reviewed during evaluation of the remodeling of the facility for Emergency Management include the following:

- Property and Building
 - 1) Energy Conservation and efficiency
 - 2) Structural Integrity of the building (code requirements for emergency facilities)
 - 3) Use of natural lighting
 - 4) Condition of existing roof systems (recommendations for replacement)
 - 5) Assess Concrete Apron in front of bays for repair or replacement. Include evaluation of possibility of heating portion of apron (10-15' in front of bay).
 - 6) Evaluate site access and parking (including replacement of paved areas).
 - 7) Site lighting strategy and needs.
 - 8) Stormwater drainage.
 - 9) Back up electrical generator (size and placement).
 - 10) HVAC system and replacement requirements.
 - 11) Plumbing systems (including water heaters).
 - 12) Basement humidity control.
 - 13) Building security and access (card-reader) control.
 - 14) ADA access review.
 - 15) Storm shelter identification.
 - 16) Radio Tower location (Tower will be by COUNTY).
 - 17) Fiber IT network access and system.
 - 18) POTS phone service back-up.
- Equipment Bays
 - 1) IR heating system.
 - 2) Reverse osmosis water supply and distribution.

- 3) Water drainage from garage interior.
 - 4) Installation of Plymovent ventilation system (to be relocated from Library Service Building for emergency vehicle use).
 - 5) Painting of walls and ceilings
 - 6) Establishment of maintenance space and work shop off bays.
 - 7) Equipment, supplies and tool storage.
 - 8) Air compressor and compressed air distribution in bays.
- Interior Remodeling
 - 9) Access control and security
 - 10) Reception area design issues and security.
 - 11) Provide office space for 10 employees following space planning guidelines with consideration for future expansion.
 - 12) Interior lighting upgrades.
 - 13) Conference Rooms and Meeting Rooms (size and location).
 - 14) Storage space requirements.
 - 15) Restrooms in office areas.
 - 16) Break area.
 - 17) IT closet space (shared with EOC).
 - 18) Audio Visual equipment and distribution.
 - 19) Public Safety Radio distribution throughout facility.
 - 20) Emergency Operation Center Items

Access Control and Security, Interior Lighting, workspace for 75 people, conference breakout rooms, media briefing area, communications room, kitchen/break area, restrooms with showers, storage and supply room, Public Safety Radio network distribution, IT networking, Audio Visual displays (and distribution), white marker boards (number and location).

1. Study shall contain the following sections at a minimum:
 - a. Executive Summary
 - b. Introduction
 - c. Analysis
 - d. Options
 - e. Recommendations
 - f. Opinion of Probable Construction Cost (OPC)

C. Design Development Phase

1. A/E shall formulate a design plan for the facility remodel to be reviewed by County. A/E shall review of State/IBC/local code requirements.
2. The Design Development (DD) Phase shall include: Floor Plan/Elevations; Site Plan, and Opinion of Probable Cost (to include construction of all structures, related site work, and permitting) for budget purposes.

D. Construction Documents Phase

1. A/E shall produce all necessary drawings and specifications for the site work grading and restroom construction. Documents shall be suitable for bidding and construction use. Obtaining all necessary State/local plan approvals shall be included.

E. Bidding and Construction Administration Phases

1. During the Bidding and Construction Administration Phases, A/E shall be responsible for answering all contractor questions via addendum or construction bulletin. During the Construction Administration Phase A/E (and any sub-consultants to the A/E) shall attend meetings and site visits in accordance with Attachment A. See *Architectural / Engineering Professional Services Agreement* for more information.

3. PROPOSAL CONTENT

A. Interested consultants are requested to submit the following information in their proposal, in eight distinct sections or divisions:

1. Signature Page, Fair Labor Practices Certification and Proposer's cover letter.
2. Description of firm's qualifications, organization, and resources. Give special attention to experience with new & renovated facilities including programming, planning, design, construction administration, developing standards, regulations or codes.
3. Brief list (min. of three, max. of five) of similar completed projects previously completed with the project details, name, address and telephone number of the client for whom the work was done. Specific reference shall be made to projects involving public facilities as is being proposed. You may separately list additional professional references.
4. Description of planning and design techniques to be used in approaching the project.
5. List of staff that will be committed to the Work with their professional resumes. Actual consultant project engineer / architect will be interviewed if firm is short-listed. Include listing of other consultants who may participate in this project and their area of expertise.
6. Indicate staff availability and tentative timetable with project tasks for the Work, including all project phases.
7. Fee for services stated as fixed (lump sum) fee for all design services through to completion of the Construction Administration phase.

8. State clearly any limitations you wish to include in *Architectural / Engineering Professional Services Agreement* and advise of any conditions that you may have.

4. EVALUATION CRITERIA

- A. Proposing consultants will be evaluated on this criteria:

Project Personnel	30%
Relative Experience	30%
Project Approach / Work Plan	30%
Pricing / Cost Proposal	<u>10%</u>
Total	100%

5. PRICING

- A. Additional details about project phases, pricing & payments are detailed in the *Architectural / Engineering Professional Services Agreement*.
- B. Fee for services stated as lump sum fixed fee (covering all design service phases) shall be submitted in the Proposals.

6. FACILITY TOUR

- A. A proposing company facility tour will be held on **March 11, 2020 at 10:00 a.m.** at the former Fitchburg Fire Station, 5415 King James Way, Fitchburg, Wisconsin, starting in front of the facility. This cursory tour will go until approximately 12:00 p.m.. Proposing companies are strongly encouraged to attend this tour, however attendance is optional.

7. OWNER’S RESPONSIBILITY

- A. Dane County will provide all available building, site, architectural, structural, mechanical, electrical, plumbing, telecommunications, fire protection, and security drawings and specifications. These drawings and specifications may not be complete or in an as-built condition. A/E firm will need to confirm accuracy of drawings and specifications. Dane County will provide any necessary hazardous material protection or abatement.

8. TIMETABLE

- A. Listed below are specific and estimated dates and times of events related to this RFP. The events with specific dates must be completed as indicated unless otherwise changed by Dane County. In the event that Dane County finds it necessary to change any of the specific dates and times in the calendar of events listed below, it will do so by issuing an addendum to this RFP. There may or may not be a formal notification issued for changes in the estimated dates and times.

<u>DATE</u>	<u>EVENT</u>
February 20, 2020	RFP issued
March 11, 2020 - 10:00 a.m.	Facility tour
March 16, 2020 - 2:00 p.m.	Written inquiries due
March 18, 2020	Latest addendum (if necessary)
March 24, 2020 - 2:00 p.m.	Proposals due
March 31, 2020 (estimated)	Notification of intent to award sent out

May – September (estimated) Design Phases

9. ADDITIONAL INFORMATION

- A. Dane County Department of Public Works, Highway & Transportation, 1919 Alliant Energy Center Way, Madison, Wisconsin 53713, will receive your Proposal.
- B. Information regarding this project may be obtained from Eric Urtes, AIA, Public Works Project Manager, 608/266-4798, urtes.eric@countyofdane.com .
- C. Since RFP documents are obtained from the Dane County web site, proposing company is responsible to check back there regularly for Addenda.
- D. All Proposals must be submitted by 2:00 p.m., Tuesday, March 24, 2020.
- E. Dane County reserves the right to accept or reject any Proposal submitted.
- F. Dane County reserves the right to negotiate an Agreement after the successful firm is selected. In that case selection will be based only on the proposal submitted and subsequent interviews. Therefore, the proposals must be complete. Submission of a proposal shall constitute a valid offer, which may be accepted by the County for a period of ninety (90) calendar days following the proposal due date.
- G. Dane County is an Equal Opportunity Employer.

END OF SECTION



Department of Public Works, Highway & Transportation
Public Works Engineering Division

608/266-4018

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Commissioner / Director

Joseph T. Parisi
County Executive

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Todd Draper

1919 Alliant Energy Center Way
Madison, Wisconsin 53713
Fax: 608/267-1533

https://pwht.countyofdane.com/public_works.aspx#engineering

SECTION 00 42 13

PROPOSAL FORM

PROPOSAL NO. 320004

**PROJECT: EMERGENCY MANAGEMENT FACILITY REMODEL
5415 KING JAMES WAY, FITCHBURG, WI**

The undersigned, submitting this Proposal, hereby agrees with all terms, conditions and requirements of the above referenced Request for Proposals, and declares that the attached Proposal and pricing are in conformity therewith.

SIGNATURE: _____

(Proposal is invalid without signature)

Print or Type Name: _____ Date: _____

Title: _____

Company: _____

Address: _____

Telephone No.: _____ Fax No.: _____

Email Address: _____

Contact Person: _____

Receipt of the following addenda and inclusion of their provisions in this Proposal is hereby acknowledged:

Addendum No(s). _____ through _____

Dated _____

All Proposers are strongly encouraged to be a registered vendor with Dane County. Registering allows vendors an opportunity to receive notifications for RFPs & RFBs issued by the County and provides the County with up-to-date company contact information. Complete a new form or renewal online at:

danepurchasing.com/Account/Login?

COUNTY OF DANE
PROFESSIONAL SERVICES AGREEMENT
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1. ARTICLE 1: SCOPE OF AGREEMENT

- 1.A. This Agreement between COUNTY and the person or firm, duly licensed under the laws and in accordance with the regulations of the State of Wisconsin, hereinafter referred to as the "A/E" shall be governed by the following Terms and Conditions.
- 1.B. The A/E shall provide technical and professional services under this Agreement. The Terms and Conditions of this Agreement shall apply to modifications made to this Agreement and shall apply to both the services rendered in the creation of the design and to the additional services called for in carrying out the design.
- 1.C. The A/E shall serve as the professional technical advisor and consultant to COUNTY in matters arising out of or incidental to the performance of this Agreement and in that capacity, the A/E shall not have a contractual duty or responsibility to any other person or party or individual regarding the services under this Agreement, except as that duty may arise under the laws of the State of Wisconsin. The A/E is not an agent of the COUNTY within the meaning of s. 893.80 or 895.46, Wis. Stats.
- 1.D. Professional services performed or furnished under this Agreement shall be based on the care and skill ordinarily used by members of the profession involved, who practice under the authority of and who are governed by the license issued under the Wisconsin Statutes and the Wisconsin Administrative Code. The standard of care for architectural and engineering services under this Agreement shall include designing buildings, structures and / or related infrastructural systems that comply with all applicable building and safety codes.
- 1.E. By accepting this Agreement, the A/E represents possession of the necessary skill and other qualifications to perform work under this Agreement and is familiar with the practices in the locality where such services and work shall be performed.
- 1.F. The A/E shall review and become familiar with the current Division 00 & 01 requirements utilized by COUNTY in construction contracts and shall provide services and work, consistent with such requirements, so that the Contractor's schedule is not negatively impacted.
- 1.G. The A/E shall be professionally responsible for work performed under this Agreement. Upon written approval of COUNTY, the A/E may subcontract work to an approved consultant under this Agreement, to the specific extent authorized by COUNTY. The authorization to subcontract shall not relieve the A/E of professional or contractual responsibility for any work performed or delivered under this Agreement. The authorization to subcontract shall not be construed to create any contractual relationship between COUNTY and such consultant.
- 1.H. Subcontracts for services under this Agreement shall provide that work performed under such subcontract, shall be subject to provisions of this Agreement and shall also provide that any professional duty or responsibility pertaining thereto shall be accomplished to the benefit of COUNTY. Upon request, an electronic copy of each such subcontract for which COUNTY approval is granted shall be furnished to COUNTY.
- 1.I. The A/E may substitute consultants or professional staff under this Agreement only to the specific extent authorized by COUNTY in writing.
- 1.J. In the performance of this Agreement, the A/E shall become familiar with and perform such services in accordance with the specifications set forth in the Request for Proposals document. The COUNTY reserves the right to update County Master Specifications Division 00 and Division 01 at any time, including after the signing date of this Agreement.

The A/E shall use and conform to the most current County Master Specifications Division 00 and Division 01 available at the time of Final Review Documents and the A/E shall not be eligible for a change order based upon alterations to said County Master Specifications Division 00 and Division 01 occurring after the date of Agreement signing.

2. ARTICLE 2: SCOPE OF THE SERVICES TO BE PROVIDED

2.A. General:

2.A.1) Services are to be provided by the A/E in each of the following phases:

Study Phase
Schematic Design Phase
Design Development Phase
Construction Documents Phase
Bidding Services Phase
Construction Administration Phase

2.A.2) An assigned COUNTY Public Works Project Manager will be the A/E's contact in securing COUNTY direction and for arranging the necessary meetings with COUNTY or other County Departments and obtaining the approvals required by COUNTY.

2.A.3) The A/E shall create a log of all COUNTY and A/E generated design changes resulting from meetings and communications from COUNTY. This log shall be kept throughout the entire design process and submitted to COUNTY every two (2) months.

2.A.4) The term "written" or "in writing" may be either electronic or hard copy documentation, unless otherwise stated or directed by COUNTY.

2.B. Study Phase:

2.B.1) The A/E shall obtain from COUNTY information and materials necessary to ascertain scope of the Project and shall verify with COUNTY program and functional requirements of the Project. This shall include gathering information from building users subject to approval by the COUNTY Public Works Project Manager.

2.B.2) Based on information, materials and requirements as verified by COUNTY, A/E shall prepare a Summary and Study consisting of text, drawings and other documents illustrating scale and relationship of the Project components. Draft version of Study shall be submitted to COUNTY for review, modifications and written approval before submitting Final version.

2.B.3) A/E shall conduct a building inspection to include the building envelope (roof, exterior walls, windows, etc.), all interiors areas, and building utility systems (HVAC, plumbing systems, electrical, telecom and communications wiring for security system/computer systems). In addition provide a condition assessment of exterior parking lot, concrete apron/sidewalks, and exterior items associated with the proposed future use of the facility. A report should be made available at the beginning of the Study Phase to assist with design decisions.

2.B.4) The A/E shall submit to COUNTY in the Summary and Study, a construction cost estimate based on information provided by COUNTY and gathered by A/E for Final version of Study.

2.B.5) Study Phase deliverables shall be:

2.B.5) a. Draft Study, electronic copies of:

- (1) Word 2010 (or earlier version);
- (2) Any other files (e.g., AutoCAD 2014, Excel 2010, PowerPoint 2010, etc. (or earlier versions)) included in Study; and
- (3) Adobe Acrobat 11 (or earlier version) (PDFs converted from Word, AutoCAD, or other programs; minimize pdf file size by converting files rather than scanning printouts).

2.B.5) b. Final Study:

- (1) Original unbound, hard copy in 8½ x 11 and / or 11 x 17 format prints;
- (2) Four (4) bound, hard copies in 8½ x 11 and / or 11 x 17 format;
- (3) Electronic version of all documents delivered on a USB flash drive or compact disk:
 - (a) Word 2010 (or earlier version);
 - (b) Any other files (e.g., AutoCAD 2014, Excel 2010, PowerPoint 2010, etc. (or earlier versions)) included in Study; and
 - (c) Adobe Acrobat 11 (or earlier version) (PDFs converted from Word, AutoCAD, or other programs; minimize pdf file size by converting files rather than scanning printouts).

2.C. Schematic Design Phase:

2.C.1) The A/E shall obtain from COUNTY information and materials necessary to ascertain scope of the Project and shall verify with COUNTY program and functional requirements of the Project. This shall include gathering information from building users subject to approval of COUNTY Public Works Project Manager.

2.C.2) Based on information, materials and requirements as verified by COUNTY, the A/E shall prepare Schematic Design Documents consisting of drawings and other documents illustrating scale and relationship of the Project components. Schematic Design Documents shall be submitted to COUNTY for written Approval.

2.C.3) The A/E shall submit to COUNTY construction cost estimates based on information provided by COUNTY and approved Schematic Design Documents.

2.C.4) Schematic Design Phase deliverables shall be:

2.C.4) a. Four (4) bound, hard copies of all drawings & outline specifications; and

2.C.4) b. Electronic version of all documents delivered on a USB flash drive or by email:

- (1) Specifications: Word 2010; and
- (2) Drawings: Adobe Acrobat 11 (or earlier version) (PDFs converted from AutoCAD).

2.D. Design Development Phase:

- 2.D.1) The A/E shall review the program and functional requirements, plans and specifications of record, (to the extent that such documents are reasonably available), and applicable COUNTY standards and guides or other written direction by COUNTY. The A/E shall establish the limiting parameters of the design as defined by the instructions issued to it by COUNTY, to determine if the design concept is achievable within the schedule and budget proposed by COUNTY.
- 2.D.2) To the extent necessary, the A/E shall facilitate investigation of the site for existing conditions which differ from those indicated in the record drawings or which could have a detrimental impact on the achievement of the work called for under the project.
- 2.D.3) Within seven (7) calendar days of receipt of the program and functional requirements, plans and specifications of record, the A/E and COUNTY shall schedule a meeting to review the A/E's design concept and such other matters as are necessary to establish that at this preliminary point, the proposed design concept is consistent with the requirements of COUNTY.
- 2.D.4) The A/E shall document the results of design meetings, including design factors agreed to, with any instructions furnished by COUNTY to carry out such factors, including, but not limited to:
- Program clarification
 - Scheduling concerns
 - Existing site conditions
 - Project cost estimates
 - Cost-value trade offs
 - Quality requirements
 - Special material requirements
 - Communications requirements
 - Engineering requirements
- 2.D.5) The A/E shall furnish a copy of the documentation produced under this Paragraph to each participant attending a design concept meeting.
- 2.D.6) In agreements which involve renovation or remodeling of or additions to existing facilities, the A/E shall evaluate the suitability of existing building elements, materials and equipment for reuse in the renovated project. Reasonably accessible areas shall also be observed by the A/E or its consultants to evaluate existing major mechanical, plumbing and electrical systems. Any of the foregoing considered to be economically reusable shall be reported to COUNTY and may be reused unless directed otherwise by COUNTY.
- 2.D.7) The A/E shall provide sufficient, alternative design solutions on major design features to allow COUNTY to ascertain that the recommended design achieves a practical programmatic and economic solution, within the limitations of the authorized program, schedule and budget. Include staffing and occupancy considerations provided by COUNTY.
- 2.D.8) The major design features, equipment and systems that must be evaluated include, but are not limited to:
- Site & civil related work (e.g., utilities, stormwater management, erosion control, replacement of parking lot, concrete apron, etc.)
 - Structural systems

Building envelope (wall, window and roofing) systems
Building configuration
Life safety systems
Heating, ventilating and air conditioning & associated controls
Plumbing & associated controls
Electrical & associated controls
Emergency Generator System
Lighting systems & associated controls
Telecom systems
Audio / visual systems
Building Security & Access Control (including cameras and card-readers)
Facility signage (New signage type, style and locations)

2.D.9) The analysis of major design features and systems shall include initial and life cycle cost comparisons. The A/E shall utilize the Uniform Guide of Life Cycle Cost Factors provided by COUNTY in the calculation of life cycle costs.

2.D.10) The A/E shall provide a working analysis of each major design feature included in the selected design concept, with constraints and dependencies that is sufficiently complete to allow commencement of the Construction Documents Phase:

2.D.10) a. The A/E shall prepare preliminary drawings, specifications and other data tailored to the project that fix and describe the size and character of the entire project as to major design features and systems and such other essentials outlined by COUNTY:

- (1) The preliminary drawings shall include plans, elevations, sections and details at a scale which is sufficient to fully illustrate the design concepts, materials and finishes to be employed. Drawings shall be in format as approved by COUNTY.
- (2) The outline specifications shall include relevant specific information for Division 01 - Bidding and Contract Requirements and a list of the applicable technical divisions.

2.D.10) b. The A/E shall prepare a Design Report that includes:

- (1) A time estimate for completion of each separate phase of the work (Design, Construction Documents, Bidding, Construction).
- (2) A detailed estimate of project cost based on the preliminary design concept, which indicates that the project budget limitations will not be exceeded. Factors influencing the cost feasibility of each major division of the specification and related drawings shall be identified.
- (3) An analysis of the biddability and constructability of the project within the time allowed by COUNTY.
- (4) An identification of any part of the work that might require special monitoring or consideration during construction to prevent quality control problems, delays, or cost escalation. Include any long lead time equipment or materials, items which interface with difficulty, areas of work requiring significant care, sequencing or precision in installation and full or partial User occupancy during construction.
- (5) As a safeguard against unforeseen bidding conditions, the A/E may recommend appropriate alternate bids for COUNTY's consideration. Such alternates shall be identified and developed at no additional cost to this Agreement.

2.D.11) Upon determination by the A/E that the final design is represented by the preliminary drawings and specifications, those documents along with a final Design Report shall be submitted to COUNTY for review and concurrence prior to commencement of Construction Documents.

2.D.11) a. The A/E shall provide COUNTY with up to four (4) sets and one (1) electronic file of the Design Report with appendix, preliminary drawings and outline specifications for review and coordination purposes. Electronic documents shall be in a format approved by COUNTY.

2.D.11) b. COUNTY will issue a list of recommended changes / corrections to be incorporated into the documents. Within seven (7) calendar days of receipt, the A/E shall transmit written replies to review comments issued by COUNTY. Directions by COUNTY shall be incorporated into the design, unless the A/E shall have explained objections to COUNTY and obtained prior written approval of noncompliance from COUNTY before proceeding with related work.

2.D.11) c. The A/E or COUNTY may call a further preliminary review meeting, when necessary to finalize the design concept. Written replies to additional COUNTY comments shall be made before proceeding to the Construction Documents Phase.

2.D.11) d. Approval of these documents by COUNTY will complete the Design Development Phase, whereupon COUNTY will issue written instruction to the A/E to proceed to the Construction Documents Phase.

2.D.12) Design Development Phase deliverables shall be:

2.D.12) a. Four (4) bound, hard copies of drawings (half size-typical of all submissions) & specifications (in 8½ x 11 format-typical of all submissions); and

2.D.12) b. Electronic version of all documents delivered on a USB flash drive or compact disk:

- (1) Drawings in AutoCAD 2014 (or earlier version);
- (2) Specifications in Word 2010 (or earlier version); and
- (3) Adobe Acrobat 11 (or earlier version) of drawings and specifications (PDFs converted from Word, AutoCAD, or other programs; minimize pdf file size by converting files rather than scanning printouts).

2.E. Construction Documents Phase:

2.E.1) Upon receipt of written instructions from COUNTY, the A/E shall prepare Construction Documents for bidding, and construction of the project, including working with a commissioning agent selected by the COUNTY. The Construction Documents shall provide the detailed requirements for the successful construction of the entire project.

2.E.2) Construction Documents shall comply with the COUNTY Master Specifications Division 00 and Division 01.

2.E.3) The Construction Documents shall be internally consistent in terms of coordination between:

- 2.E.3) a. Work of the A/E and its consultants.
- 2.E.3) b. Requirements of various divisions or trades.
- 2.E.3) c. Drawings and specifications.
- 2.E.4) During this phase, the A/E shall develop and provide documents for the systems designed under this Agreement which will achieve a biddable and constructible project, compliant with all applicable building and safety codes and within the assumption of professional responsibility set forth in this Agreement. These services shall include, but not be limited to:
- 2.E.4) a. Coordination, to protect the integrity of the design and facilitate construction with:
- (1) Manufacturers: Ensure that manufactured items called for in the documents are currently available and will fit, interface and perform as required to achieve design intent.
 - (2) Consultants: Ensure that information necessary to their work is provided in a timely manner and that consultants exchange information with each other and the A/E.
 - (3) Utility Companies: Determine the standard operating procedures and time requirements for obtaining the services and the cooperation of the utility companies involved in the execution of the project. Provide this information in writing to interested parties as needed.
 - (4) Occupying Agency: Ensure that program-required furniture, fixtures and equipment (FF&E) layout is suitable so as to be compatible but not interfere with access to, placement or operation of the mechanical, electrical or plumbing appurtenances.
 - (a) The A/E shall work with Occupying Agency & Purchasing Division on the FF&E program & develop an FF&E Report to be submitted for COUNTY approval.
 - (5) Governmental authorities having jurisdiction over the work:
 - (a) The A/E shall submit documents for approval to public agencies having jurisdiction over the project and after obtaining such approval of those agencies, the A/E shall file two (2) copies of such approval with COUNTY.
 - (6) Such other agencies, boards, associations or individuals whose activities could impact or interfere with the successful completion of the project.
- 2.E.4) b. Inclusion in the Construction Documents of:
- (1) Plans, elevations and sections at a scale which is sufficient to give a full and complete understanding of the construction, dimensions thereof, materials to be employed, location of utilities and any other pertinent data.
 - (2) Details, diagrams, schedules, photo reproductions and other graphic methods appropriate to define work required to be performed to accomplish the purposes of the project.
 - (3) Description of existing conditions of site and / or structures with sufficient clarity to permit their use without ambiguity in the bidding, construction and commissioning (for use by a commissioning agent hired by the COUNTY) process.

2.E.4) c. Inclusion in the specifications documents of bidding and contract requirements, special provisions and / or appendices, and technical sections. Unless otherwise agreed to by COUNTY in writing, the format shall generally follow the divisions of the Construction Specifications Institute. If approved by COUNTY in writing, short form specifications for limited scope work may be included on the drawings in lieu of Construction Specifications Institute format specification sections.

- (1) The technical sections of the specifications shall completely and concisely describe the materials and services to be employed or installed by the construction contractor(s) in the work. These specifications shall describe the work to be done and shall be arranged by work or material in appropriate divisions with suitable cross-references for clarity and continuity
- (2) The technical sections of the specifications shall be carefully worded to allow a clear understanding of the work required by each of the construction contractors and their subcontractors, and to describe the responsibility for the work required to be performed by such contractor(s), individually and collectively, for the performance of work required to deliver the project complete, without ambiguity as to which technical sections of the specifications cover each element of work.
- (3) The technical sections of the specifications shall clearly state the minimum grade, quality, and type of materials and workmanship required. These specifications shall not restrict competition, where it is available, but shall state a level of quality, which can be objectively determined by persons normally engaged in the type of trade or practice described.
- (4) When two (2) or more manufacturers offer on the open market materials, equipment or devices of equal quality and usability needed for the project, each such known manufactured product shall be specified for potential use on the project.
- (5) The professional judgment of the A/E or the direction of the COUNTY may limit competition to a brand name, process, or technique of manufacture.
- (6) The A/E shall compile and include in the construction contract documents a summary listing of all submittals required for the project from the construction contractor(s). Included shall be shop drawings, samples, cuts, catalogs, models, mockups and other preliminary information needed from the contractors to describe how they will fulfill their responsibilities under their contracts.

2.E.5) Upon determination by the A/E that the final project design is represented by completed Construction Documents, those documents shall be submitted to COUNTY for review and concurrence prior to release for bidding.

2.E.5) a. The A/E shall provide COUNTY with review sets in a format and standard specified by the COUNTY.

2.E.5) b. COUNTY will issue a list of recommended changes / corrections to be incorporated into the next review set or final documents. The A/E shall within seven (7) calendar days transmit written replies from the A/E and its sub-consultants to review comments issued by COUNTY or for which clarification requests were identified or for which changes were authorized

at the final design review meeting and communicated to the A/E. Directions by COUNTY shall be incorporated into the documents.

- 2.E.6) Prior to submission of the final documents, the A/E shall call for a final review meeting with COUNTY, if needed, to finalize and prepare for publication of the final bidding documents, with any conditions required by COUNTY.
- 2.E.7) A/E shall affix to both the cover sheet of Drawings and & inside cover of Project Manual current State of Wisconsin registration seal, number & signature. These shall be applied by registered architect and each professional engineer responsible for project design.
- 2.E.8) At the time of delivery of the final documents, the A/E shall report to COUNTY, in writing with updated estimates of project costs and schedules.
- 2.E.9) Upon receipt of the Construction Documents Phase deliverables, updated Design Report & FF&E Report, the COUNTY shall evaluate these documents & indicate to the A/E in writing when & how to proceed.
- 2.E.10) Constructions Documents Phase deliverables shall be:
 - 2.E.10) a. 60% Construction Documents:
 - (1) Four(4) bound, hard copies of Drawings & Specifications; and
 - (2) Electronic version of all documents delivered on a USB flash drive or compact disk:
 - (a) Drawings in Adobe Acrobat 11 (or earlier version; PDFs); and
 - (b) Specifications in Word 2010 (or earlier version).
 - 2.E.10) b. 95% Construction Documents:
 - (1) Four(4) bound, hard copies of Drawings & Project Manual; and
 - (2) Electronic version of all documents delivered on a USB flash drive or compact disk:
 - (a) Drawings in Adobe Acrobat 11 (or earlier version; PDFs); and
 - (b) Specifications in Word 2010 (or earlier version).
 - 2.E.10) c. Final Construction Documents:
 - (1) Original unbound, hard copy of Drawings and Project Manual in full size, paper format;
 - (2) Four(4)] hard, bound copies of Drawings and Project Manual;
 - (3) One (1) bound, hard copy of Drawings and Project Manual to be submitted by A/E to State of Wisconsin for stamped approval; and
 - (4) Electronic version of all documents delivered on a USB flash drive or compact disk:
 - (a) Drawings in AutoCAD 2014 (or earlier version):
 - 1. Each digital sheet shall be complete with x-refs or base plan sheets included and attached;
 - 2. All external data from non-AutoCAD programs (e.g., Excel or Word) shall be included and attached; and
 - 3. Include copy of Plot Style Table (ctb file) used to print drawings.
 - (b) Drawings in Adobe Acrobat 11 (or earlier version; minimize pdf file size by converting files from AutoCAD or other programs);

- (c) Project Manual in Word 2010 (or earlier version); and
- (d) Project Manual in Adobe Acrobat 11 (or earlier version; minimize pdf file size by converting files from Word or other programs, rather than scanning printouts).

2.F. Bidding Phase:

- 2.F.1) The Bidding Phase shall commence with the publication of the Invitation to Bid and shall conclude with the award of the number of contracts necessary to achieve the purposes of construction.
- 2.F.2) The A/E shall serve as the professional technical consultant and advisor to COUNTY during the bidding process, including the preparation for and participation in Pre-Bid Conferences.
- 2.F.3) The A/E shall answer all pre-bid questions from contractors in an addendum and prepare any additional addenda necessary, for COUNTY to authorize, print and distribute as appropriate.
- 2.F.4) The A/E shall assist COUNTY by evaluating and making recommendations to COUNTY on the qualifications of prospective construction contractors and subcontractors.
- 2.F.5) The A/E shall assist COUNTY in analyzing bids and negotiating with the lowest, qualified, responsible bidders as deemed appropriate by COUNTY.
- 2.F.6) If the low bids submitted by qualified, responsible bidders exceed construction cost estimate approved at Construction Documents Phase by five percent (5%) or more, the A/E shall revise and change the Construction Documents for a project rebidding, as approved by and without additional cost to COUNTY that will permit a proper award of the contract(s) within the approved estimate of project cost or other funding limitation. If the low bid exceeds construction cost estimate approved at Construction Documents Phase by less than five percent (5%), at the COUNTY's option, the A/E shall revise and change the Construction Documents for a project rebidding, as approved by COUNTY, but shall be compensated for revisions per negotiated amendment to this Professional Services Agreement.
- 2.F.7) In the event that there is a reduction in scope to keep the project within budget and this results in low bid(s) which total less than the construction budget, then the A/E shall, at no additional fee, prepare construction bulletin(s) to add deleted program work back into the project.
- 2.F.8) Upon construction contract offer, the A/E shall immediately prepare construction documents which incorporate the bid documents, addenda issued, alternate bids accepted and negotiated contract deductions, all of which are incorporated in the Construction Documents. Such work shall be completed in a timely fashion, but no later than seven (7) calendar days, so that construction is not delayed.

2.G. Construction Administration Phase:

- 2.G.1) An assigned COUNTY Project Manager will be responsible for arranging and conducting construction-related meetings as required and act as the point of contact for the construction contractors. A COUNTY approved A/E representative shall attend, take notes, publish and distribute COUNTY approved minutes of job meetings.

- 2.G.2) After the award of the construction contract(s), the A/E shall become an on-site technical and professional advisor to COUNTY. In this capacity the A/E will have continuous access to the site. The A/E, through COUNTY's Project Representative, will have access to data in the construction contractor(s) files or offices pertaining to the quality or time requirements of the construction contract(s), in the same mode, manner and extent that such data would be available to COUNTY.
- 2.G.2) a. When requested and specifically contracted for by COUNTY, the A/E shall provide a representative who shall be qualified in construction administration and subject to the approval of COUNTY. On projects for which COUNTY does not authorize full-time, on-site representation, the A/E shall provide, in accordance with ATTACHMENT A - AGREEMENT ON CONSTRUCTION PHASE SITE VISITS, a COUNTY-approved person, with suitable experience in the construction process to visit the site in order to monitor and report the progress, quality, and timely performance of the work relative to the Construction Documents, as such work is being performed by the construction contractor(s). The A/E shall keep COUNTY informed of the progress and quality of the work based on on-site observations and shall endeavor to protect COUNTY against defects and deficiencies in the work.
- 2.G.3) Immediately following the pre-construction meeting and prior to the start of construction, the A/E shall review the proposed schedule for submittals from the construction contractor(s). The A/E shall assess the timing feasibility of such submittals relative to the construction schedule and review needed, and advise COUNTY in writing accordingly.
- 2.G.3) a. The A/E shall be responsible for the professional review and approval or rejection of shop drawings, samples and other submittals from the construction contractor(s) to determine conformance with the specific portions of the Construction Documents under which the submittal was made. Deviation from the Construction Documents as noted by the contractor on submittals or otherwise observed by the A/E shall be brought to the attention of COUNTY's Project Representative and concurrence received from COUNTY before any approval is given to a contractor. Review of the submittals which have priority status as determined by COUNTY's Project Representative, must be completed within five (5) business days of receipt. Review of other submittals shall be completed within ten (10) business days of receipt, or in accordance with the submittal schedule prepared by the General Contractor and as approved by COUNTY and A/E at the start of construction. The A/E is responsible for submittal activity conducted by its consultants in the same manner as if such review were made by the A/E.
- 2.G.3) b. The A/E shall also review the results of all testing conducted during or after construction and report to COUNTY whether these results meet the design intent and the requirements of the Construction Documents.
- 2.G.4) The A/E's site representative shall observe the construction process to evaluate the adequacy and completeness of the construction contractor(s) compliance with the Construction Documents, and shall immediately report any noncompliance to the COUNTY Project Manager in writing.

- 2.G.4) a. The A/E shall be responsible for the coordination and performance of on-site services performed by consultants employed by the A/E and shall review reports and other data submitted by such consultants. The A/E and each consultant engaged under Article 1.G. and ATTACHMENT B. - A/E / CONSULTANT AGREEMENT shall visit the job site as delineated in ATTACHMENT A. - AGREEMENT ON CONSTRUCTION PHASE SITE VISITS. The A/E shall provide in each consultant agreement, a requirement for consultant visits to the site and a schedule for such visits for professional evaluation of the work monitored by each consultant and a reporting system to inform COUNTY. Site visits shall coincide with crucial times of the construction for the specialty area involved.
- 2.G.4) b. Following construction site visits, the A/E shall make routine, written status reports detailing observations and activities on the project, at such intervals as is elsewhere herein established and in a format approved by COUNTY. The A/E shall submit the reports within three (3) business days of the site visit by the A/E's representative. Reporting requirements for full-time, on-site representation shall be established by each Agreement for such professional services.
- 2.G.4) c. The A/E's site representative will receive copies of reports submitted by the General Contractor and shall provide site observation to evaluate the reports. Discovered construction variances shall immediately be reported to COUNTY.
- 2.G.4) d. If it becomes necessary during construction, to interpret, construe, clarify or to otherwise determine the reasonable meaning, application or implementation of the Construction Documents, the A/E acting in good faith, based upon the facts made known to it at the time, shall recommend to COUNTY in writing, a reasonable course of conduct in connection with the issues involved. Such recommendation(s) may be considered for further contractual action by COUNTY.
- 2.G.4) e. Should the A/E become aware that the work of any contractor or subcontractor in place or underway does not conform to the work or quality required by the Construction Documents, the COUNTY Project Manager shall be immediately notified in writing. It is appropriate for the A/E to also immediately advise the contractors of substantial deficiencies, and that notification of these deficiencies will be made to COUNTY. The A/E shall furnish such data as necessary to inform COUNTY of the degree of the noncompliance with the Construction Documents, the cause thereof, the impact on schedule and cost, if known, and a recommended course of conduct. COUNTY shall be solely responsible for implementation of the A/E's recommendation. This assumption of responsibility by COUNTY shall not relieve the A/E or its consultants for negligence in the discovery of the condition, which was or should have been discovered.
- 2.G.4) f. If the A/E considers suspension of construction work appropriate, the A/E shall notify COUNTY in writing and state the reasons, which, in the professional opinion of the A/E, justify such action.
- 2.G.5) Necessary professional services or construction required to repair or overcome problems caused by errors, omissions, ambiguities or changes not authorized by

COUNTY in the preparation of the documents or design shall be the responsibility of the A/E or its consultants, without additional cost to COUNTY.

- 2.G.6) The A/E shall review requests for information (RFIs) and shall respond within five (5) business days.
- 2.G.7) The A/E shall develop and issue appropriate construction bulletins (CBs) at the direction of the COUNTY Project Manager. The A/E shall then evaluate the CB proposals received from the construction contractors and provide COUNTY with a written recommendation regarding the appropriateness of the proposals. The evaluation and recommendation shall be completed within five (5) business days of receipt, or in accordance with another schedule approved by COUNTY. The evaluation shall consider the necessity for such change, the reasonableness of the proposed change, and an analysis of the cost proposed for effecting the change.
- 2.G.8) The A/E shall assist in the preparation of applications for energy incentive programs, when applicable.
- 2.G.9) Upon contractor's written notification and the COUNTY Project Manager's confirmation that Substantial Completion has taken place, the A/E shall observe the construction and provide a written punchlist to the COUNTY Project Manager. The COUNTY Project Manager will schedule the punchlist inspection in conjunction with the User and contractors involved. The punchlist shall contain items found not to be complete, in need of correction, replacement or otherwise not in accordance with the Construction Documents. As part of the Substantial Completion verification, the A/E shall perform or witness and document functional testing and review the testing and balance report prepared by others for all plumbing, HVAC, fire protection and electrical systems to verify installation and operation meet the intent of their design. The A/E shall forward the results of the functional testing and provide written recommendations for corrective measures where systems do not meet the intent of their design. The A/E shall prepare and distribute the Certificate of Substantial Completion when appropriate.
- 2.G.10) COUNTY will provide a set of Construction Documents to General Contractor on which daily records of changes and deviations shall be recorded. At completion of the project, General Contractor will submit its marked-up as-built documents to the A/E who shall, based on these marked up as-built documents, revise the original documents, including the electronic files, showing changes in the work made during the construction process to produce a set of Record Documents. Electronic documents shall be in a format and on a medium required by COUNTY. This work shall be completed and submitted to COUNTY within thirty (30) calendar days of receipt of the last marked up prints. The consequences of addenda, change orders and other circumstances known by the A/E to have caused change shall be included in the production of the Record Documents. The marked-up as-built documents shall be turned over to the COUNTY at the same time as the Record Documents.
- 2.G.10) a. Record Documents deliverables shall be:
- (1) Original unbound, hard copy of Drawings and Project Manual in full size, paper format;
 - (2) Four (4)] hard, bound copies of Drawings and Project Manual; and
 - (3) Electronic version of all documents delivered on a USB flash drive or compact disk:
 - (a) Drawings in AutoCAD 2014 (or earlier version):

1. Each digital sheet shall be complete with x-refs or base plan sheets included and attached;
 2. All external data from non-AutoCAD programs (e.g., Excel or Word) shall be included and attached; and
 3. Include copy of Plot Style Table (ctp file) used to print drawings.
- (b) Drawings in Adobe Acrobat 11 (or earlier version; minimize pdf file size by converting files from AutoCAD or other programs);
- (c) Project Manual in Word 2010 (or earlier version); and
- (d) Project Manual in Adobe Acrobat 11 (or earlier version; minimize pdf file size by converting files from Word or other programs, rather than scanning printouts).
- 2.G.11) The A/E shall obtain from the General Contractor, and review for compliance with design intent, an Operating and Maintenance Manual for building systems and operable mechanical and electrical equipment on the project, both powered and manual. Two (2) copies of the Manuals shall be provided to COUNTY's Project Representative. These manuals shall include:
- 2.G.11) a. Manufacturer's Instruction for Maintenance and Operation of Equipment and Systems, including a Spare Parts List; and
- 2.G.11) b. Temperature Control Record Drawings and Equipment Data Sheets including recommended maintenance procedures.
- 2.G.12) It is not intended by this Agreement to impose upon the A/E the duty of a guarantor of the construction contractor(s). It is, however, the intent of the Agreement to impose upon the A/E the duty of the faithful fulfillment, in accordance with the standard of care ordinary to the profession, of the performance of the duties specifically enumerated herein and for the close monitoring of the work of its consultants as if the work were performed by the A/E. As such, this shall not preclude the entitlement to COUNTY of reasonable expectation that systems as designed by the A/E or their consultants will operate as anticipated by COUNTY upon faithful completion of construction.

3. ARTICLE 3: COUNTY'S RESPONSIBILITIES

- 3.A. COUNTY will determine the project scope for which the professional design services are required and will fully cooperate in achieving completion of that work.
- 3.B. COUNTY will establish an internal operating procedure for timely and proper performance of any COUNTY duty required to fulfill the needs of the project.
- 3.C. COUNTY will provide available information regarding the requirements for the project, which set forth COUNTY's objectives for program, schedule and overall budget. COUNTY will make available to the A/E data known to COUNTY or requested by the A/E, which may be needed for the fulfillment of the professional responsibility of the A/E. This data may include, but is not limited to, prints of existing buildings or record drawings and COUNTY standards and guides. Such documents will be the most recent and accurate available. The use of any such data by the A/E shall be without contractual or legal significance unless otherwise established elsewhere in this Agreement. However, providing of documents by COUNTY shall not relieve the A/E from the responsibility for conducting a field survey to verify existing conditions as specified herein.

- 3.D. COUNTY will communicate to the A/E the format of the documents required to be submitted.
- 3.E. COUNTY will examine documents submitted by the A/E and will render decisions regarding them promptly, to avoid unreasonable delay in the progress and sequence of the A/E's work. COUNTY will coordinate review comments from the User agency and COUNTY staff prior to issuance to the A/E.
- 3.F. COUNTY will distribute Construction Documents and any necessary addenda to prospective bidders, and conduct the bid opening for the project.
- 3.G. COUNTY will prepare and process the Agreements between COUNTY and A/E, and between COUNTY and construction contractor(s).
- 3.H. Unless otherwise specified in this Agreement, COUNTY will arrange for services of a testing laboratory to furnish structural, chemical, mechanical and other laboratory tests, inspections and reports as required by law or deemed necessary by COUNTY.

4. ARTICLE 4: COMPENSATION

- 4.A. A/E fees for basic services will be compensated by COUNTY in accordance with the Terms and Conditions of this Agreement as follows:
 - 4.A.1) COUNTY will pay the A/E a lump sum fee of \$[] for all design services included in the Professional Services Agreement (Study Phase, Design Development Phase, Construction Documents Phase, Bidding Phase, Construction Administration Phase).
 - 4.A.1) a. The A/E fee for professional services shall be in accordance with the terms of this Agreement and based on the scope of services contained in the Request for Proposals, dated February 20, 2020, including any subsequent Addenda.
 - 4.A.1) b. The A/E is authorized to proceed through completion of the [] Phase. The A/E Fee is limited to \$[], until written instructions to proceed to the additional phases [included] are provided by COUNTY.
 - 4.A.2) No change in fee shall result from change orders to construction contracts unless such change is described as an Additional Service under Article 4.D. of this Agreement and approved by COUNTY. When the A/E's Design Report estimate indicates a revised project cost and such revision is approved by COUNTY, the amount of the lump sum fee may be renegotiated.
 - 4.A.3) In the event the lowest acceptable construction bids exceed the fixed limit of construction, as shown above, plus any COUNTY increases approved before bidding, COUNTY will do one or more of the following:
 - 4.A.3) a. Cooperate in revising the project scope and quality as required to reduce the project cost;
 - 4.A.3) b. Authorize the rebidding of the project within a reasonable time; and / or
 - 4.A.3) c. Give written approval of an increase in such fixed limit.
 - 4.A.4) Compensation for any revisions of project scope & necessary rebidding based lowest acceptable construction bids exceeding the construction cost estimate approved at

Construction Documents Phase shall be as described in "2.F. Bidding Phase" section above.

4.B. The A/E's Compensation for Additional Services, as described in Article 4.D., will be computed as follows:

4.B.1) Principals' time at a fixed rate of \$[] per hour, unless separate amounts are provided for each Principal. For the purposes of this Agreement, the Principals are:

[]
[]

[]
[]

[]
[]

4.B.2) Other design staff shall be billed at these fixed rates:

Senior design architect / engineer: \$[] per hour

Junior design architect / engineer: \$[] per hour

Senior designer: \$[] per hour

Junior designer: \$[] per hour

Drafting: \$[] per hour

Clerical: \$[] per hour

4.B.3) Employee's time shall be computed using the employee's basic hourly salary and include overhead costs for clerical support and mandatory and customary benefits such as statutory employee benefits, insurance, sick leave, holidays and vacations, pensions and similar benefits for persons in consultation, research and design in producing drawings, specifications and other documents pertaining to the project and for services during construction at the site.

4.C. Reimbursable Expenses:

4.C.1) Reimbursable Expenses are actual, incidental expenses incurred by the A/E, its employees or consultants, in the interest of the project and are not included in overhead costs for the Fees for Basic Services (4.A.) and Additional Services (4.D.). Reimbursable Expenses shall be incurred or contracted for only with PRIOR written approval from COUNTY. Such approval shall be based on a written proposal delineating the nature of the services, the time involved, the estimated cost thereof, and the individuals or firms involved. Payment Requests from consultants and construction contractors providing these Reimbursable Expenses shall be reviewed by the A/E to check the accuracy of and entitlement to the sums requested. Reimbursable Expenses may include, but are not limited to, the following incidental expenses:

- 4.C.1) a. Expense of reproduction of drawings and specifications, excluding the review sets required in Article 2.
 - 4.C.1) b. Expense of a site survey when needed.
 - 4.C.1) c. Expense of a geotechnical investigation and soils and material testing when required.
 - 4.C.1) d. Expense of State and / or City review fees when required.
 - 4.C.2) Expenses not eligible for reimbursement shall include, but are not limited to, indirect project overhead costs associated with the Fees for Basic Services (4.A.) and Additional Services (4.D.) such as mileage, travel, lodging, replication of drawings for the design development meetings and subsequent design meetings, preliminary and final review document printing, handling and postage, cost of correspondence transmittals, telephone expenses, and CAD / electronic graphic services. Such expenses shall be included as part of the Lump Sum fee.
- 4.D. Additional Services:
- 4.D.1) The following services are in addition to but are not covered in Article 4.A. These services may be identified as part of the A/E's fee proposal and included with the lump sum fee as such. Compensation for these additional services or other services must be requested by the A/E, and subsequently approved by COUNTY PRIOR to proceeding with the work. If the additional services are requested after the Agreement has been issued, such authorization shall be based on a written proposal delineating the nature of the services, the time involved, the estimated cost thereof, the effect on the project schedule and the individuals or firms involved. When authorized, an Agreement Change Order will be used to modify the A/E's Agreement.
 - 4.D.1) a. Providing planning surveys, program revision, site feasibility, or comparative studies of prospective sites.
 - 4.D.1) b. Revising previously approved drawings, specifications or other documents after written approval of Design Development Phase, to accomplish changes not initiated by the A/E other than record documents and revisions normally to be expected or required to correct deficiencies in the approved drawings and specifications.
 - 4.D.1) c. Preparing detailed model or exterior perspective renderings.
 - 4.D.1) d. Preparing documents for alternate bids or petitions for waiver when requested by COUNTY and, requiring significant additional time and expense on the part of the A/E or its consultants.
 - 4.D.1) e. Obtaining or participating in third party Value Engineering / Enhancement of the project when directed by COUNTY.
 - 4.D.1) f. Providing services other than corrective design work and record documents, after final payment to the construction contractor(s).
 - 4.D.1) g. Providing services as expert witness in connection with any public hearings, arbitration proceeding, or the proceedings of a court of record except when the A/E is party thereto.

4.D.1) h. Providing specialized design services, including, but not limited to LEED certification, vibration, wind or acoustical analysis, energy modeling.

4.D.1) i. Participation in post-project evaluations.

4.D.1) j. Preparing multiple bid packages.

4.E. Payments to the A/E:

4.E.1) Payments of the A/E's lump sum fee will be made monthly, in proportion to services performed as confirmed by COUNTY, to increase the compensation to the following percentages of the lump sum fee at the completion of each phase of the work.

Schematic Design Phase	15%
Design Development Phase	35%
Construction Documents Phase	70%
Bidding Phase	75%
Construction Phase	100%

4.E.2) No more than ninety percent (90%) of the A/E's lump sum fee shall be paid out prior to substantial completion of the project. When COUNTY confirms that development of punch lists, review of Operating & Maintenance Manuals, submittal of record documents, has been satisfactorily completed by the A/E, COUNTY will determine how and when the remaining lump sum fee is disbursed.

4.E.3) Payments for COUNTY-approved Reimbursable Expenses as defined in Article 4.C. and Additional Services of the A/E as defined in Article 4.D., will be made monthly upon request.

4.E.4) An A/E whose work is found deficient or fails to conform to the requirements set forth in the Agreement, is not entitled to further payments, until corrected to the satisfaction of COUNTY.

4.E.4) a. Payments to the A/E may be withheld for damages sustained by COUNTY due to error, omission, unauthorized changes or negligence on the part of the A/E. COUNTY will notify the A/E in writing of the alleged, specific damages and amounts involved, on a timely basis.

4.E.5) Payments to the A/E will not be withheld due to disputes between construction contractor(s) and COUNTY.

4.E.6) If the project is suspended for more than three (3) months in whole or in part, the A/E will be paid fees for services performed prior to receipt of written notice from COUNTY of the suspension, together with Reimbursable Expenses then due and reasonable expenses resulting from this suspension, as approved by COUNTY. If the project is resumed after being suspended for more than three (3) months, the A/E's compensation will be subject to renegotiation.

5. ARTICLE 5: ACCOUNTING RECORDS

5.A. Records of the A/E's direct personnel, consultants, and reimbursable expenses pertaining to the project shall be kept in accordance with Generally Accepted Accounting Principles (GAAP) and shall be available to COUNTY or an authorized representative throughout the term of this Agreement and for at least three (3) years after final payment to the A/E.

6. ARTICLE 6: TERMINATION OF AGREEMENT

- 6.A. This Agreement may be terminated by COUNTY without cause upon ten (10) calendar days written notice to the A/E. In the event of termination, the A/E will be paid fees for services performed to termination date, reimbursable expenses then due, and termination expenses as approved by COUNTY. Work performed prior to the date of termination shall be in accordance with the terms and conditions of this Agreement. Upon termination, the results of such work shall immediately be turned over to the COUNTY Project Manager and is a condition precedent to further payment by COUNTY.
- 6.B. In the event the Agreement between the A/E and any consultant on this project is terminated, the results of work by that consultant shall immediately be turned over to the A/E.

7. ARTICLE 7: OWNERSHIP OF DOCUMENTS

- 7.A. All drawings and specifications, renderings, models, scale details, approved copies of shop drawings and other such documents prepared by the A/E or any consultant pursuant to this Agreement shall become the property of COUNTY on completion and acceptance of any of the A/E's work, or upon termination of the Agreement, and shall be delivered to COUNTY upon request.
- 7.B. Documents prepared under this Agreement may be used by COUNTY for informational purposes without additional compensation to the A/E.
- 7.C. Specifications and isolated, detail drawings inherent to the [architectural / engineering, engineering] design of the project, whether provided by the COUNTY or generated by the A/E, shall be available for future use by the parties to this Agreement and other parties, each at their own risk.

8. ARTICLE 8: LIABILITY- HOLD HARMLESS AND INDEMNIFICATION

- 8.A. A/E shall indemnify, hold harmless and defend COUNTY, its boards, commissions, agencies, officers, employees and representatives against any and all liability, loss (including, but not limited to, property damage, bodily injury and loss of life), damages, costs or expenses which COUNTY, its officers, employees, agencies, boards, commissions and representatives may sustain, incur or be required to pay by reason of A/E furnishing the services required to be provided under this Agreement, provided, however, that the provisions of this paragraph shall not apply to liabilities, losses, charges, costs, or expenses caused or resulting from the acts or omissions of COUNTY, its agencies, boards, commissions, officers, employees or representatives. The obligations of A/E under this paragraph shall survive the expiration or termination of this Agreement.

9. ARTICLE 9: PROFESSIONAL LIABILITY INSURANCE

- 9.A. The A/E and its consultants retained under the terms of this Agreement shall procure and maintain a professional liability insurance policy with at least \$1,000,000 in coverage that provides for payment of the insured's liability for errors, omissions or negligent acts arising out of the performance of the professional services required under this Agreement. The A/E shall provide up-to-date, accurate professional liability information on the A/E's Data Record, including amount of insurance, deductible, carrier and expiration date of coverage. Upon request by COUNTY, the A/E shall furnish COUNTY with a Certificate of Insurance showing the type, amount, deductible, effective date and date of expiration of such policy. Such certificate shall also contain substantially the following statement: "The insurance covered by this certificate shall not be canceled, the coverage changed or reduced by endorsement, by the insurance company, except after thirty (30) calendar days written notice

has been received by COUNTY.” The A/E shall not cancel or materially alter this coverage without prior written approval by COUNTY. The A/E shall be responsible for consultants maintaining professional liability insurance during the life of their Agreement.

10. ARTICLE 10: OTHER INSURANCE

10.A. The A/E and its consultants retained under terms of this Agreement shall:

10.A.1) Maintain Worker’s Compensation Insurance:

10.A.1) a. Procure and maintain Worker’s Compensation Insurance as required by State of Wisconsin Statutes for all of the A/E’s and consultant’s employees engaged in work associated with the project under this Agreement.

10.A.1) b. Maintain Employer’s Liability Insurance with a policy limit of not less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate.

10.A.2) Procure and maintain during the life of this Agreement, and until one year after the completion of this Agreement, Commercial General Liability Insurance, including Products and Completed Operations for all claims that might occur in carrying out the Agreement. Minimum coverage shall be \$1,000,000 per occurrence, \$1,000,000 general aggregate, combined single limit for bodily injury, personal injury, and property damage. Such coverage shall be of the “occurrence” type form and shall include the employees of the A/E as insureds.

10.A.3) Procure and maintain Commercial Automobile Liability Insurance for all owned, non-owned, and hired vehicles that are used in carrying out the Agreement. Minimum coverage shall be \$1,000,000 per occurrence combined single limit for bodily injury and property damage.

10.A.4) Provide an insurance certificate indicating the above Commercial Liability Insurance and property damage coverage, countersigned by an insurer licensed to do business in Wisconsin, covering and maintained for the period of the Agreement. Upon request by COUNTY, the insurance certificate is to be presented on or before execution of the Agreement.

11. ARTICLE 11: MISCELLANEOUS PROVISIONS

11.A. A/E warrants that it has complied with all necessary requirements to do business in the State of Wisconsin, that the persons executing this Agreement on its behalf are authorized to do so.

11.B. Legal Relations. The A/E shall comply with and observe federal and state laws and regulations and local zoning ordinances applicable to this project and in effect on the date of this Agreement.

11.C. Approvals or Inspections. None of the approvals or inspections performed by COUNTY shall be construed or implied to relieve the A/E from any duty or responsibility it has for its professional performance, unless COUNTY formally assumes such responsibility in writing from COUNTY so stating that the responsibility has been assumed.

11.D. Successors, Subrogees and Assigns. COUNTY and A/E each bind themselves, their partners, successors, subrogees, assigns, and legal representatives to the other party to this Agreement and to the partners, successors, subrogees, assigns and legal representatives of such other party with respect to covenants of this Agreement.

- 11.E. Claims. The A/E's project manager will meet with COUNTY's Project Manager to attempt to resolve claims, disputes and other matters in question arising out of, or relating to, this Agreement or the breach thereof. Issues not settled are to be presented in writing to the COUNTY Deputy Director of [Public Works, Waste & Renewables] for review and resolution. The decision of the Deputy Director of [Public Works, Waste & Renewables] shall be final. Work shall progress during the period of any dispute or claim. Unless specifically agreed between the parties, venue will be in Dane County, Wisconsin.
- 11.F. Amendment of Agreement. This Agreement may be amended in writing by both COUNTY and A/E.
- 11.G. It is expressly understood and agreed to by the parties hereto that in the event of any disagreement or controversy between the parties, Wisconsin law shall be controlling. Venue for any legal proceedings shall be in the Dane County Circuit Court.
- 11.H. This Agreement is intended to be an agreement solely between the parties hereto and for their benefit only. No part of this Agreement shall be construed to add to, supplement, amend, abridge or repeal existing duties, rights, benefits or privileges of any third party or parties, including but not limited to employees of either of the parties.
- 11.I. The entire agreement of the parties is contained herein and this Agreement supersedes any and all oral agreements and negotiations between the parties relating to the subject matter hereof. The parties expressly agree that this Agreement shall not be amended in any fashion except in writing, executed by both parties.

12. ARTICLE 12: NONDISCRIMINATION IN EMPLOYMENT

12.A. During the term of this Agreement, A/E agrees not to discriminate on the basis of age, race, ethnicity, religion, color, gender, disability, marital status, sexual orientation, national origin, cultural differences, ancestry, physical appearance, arrest record or conviction record, military participation or membership in the national guard, state defense force or any other reserve component of the military forces of the United States, or political beliefs against any person, whether a recipient of services (actual or potential) or an employee or applicant for employment. Such equal opportunity shall include but not be limited to the following: employment, upgrading, demotion, transfer, recruitment, advertising, layoff, termination, training, rates of pay, and any other form of compensation or level of service(s). A/E agrees to post in conspicuous places, available to all employees, service recipients and applicants for employment and services, notices setting forth the provisions of this paragraph. The listing of prohibited bases for discrimination shall not be construed to amend in any fashion state or federal law setting forth additional bases and exceptions shall be permitted only to the extent allowable in state or federal law.

12.B. Civil Rights Compliance:

12.B.1) If A/E has twenty (20) or more employees and receives \$20,000 in annual contracts with COUNTY, the A/E shall submit to COUNTY a current Civil Rights Compliance Plan (CRC) for Meeting Equal Opportunity Requirements under Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title VI and XVI of the Public Service Health Act, the Age Discrimination Act of 1975, the Omnibus Budget Reconciliation Act of 1981 and Americans with Disabilities Act (ADA) of 1990. A/E shall also file an Affirmative Action (AA) Plan with COUNTY in accordance with the requirements of Chapter 19 of the Dane County Code of Ordinances. A/E shall submit a copy of its discrimination complaint form with its CRC/AA Plan. The CRC/AA Plan must be submitted prior to the effective date of this Agreement and failure to do so by said date shall constitute

grounds for immediate termination of this Agreement by COUNTY. If an approved plan has been received during the previous calendar year, a plan update is acceptable. The plan may cover a two-year period. If A/E has less than twenty (20) employees, but receives more than \$20,000 from the COUNTY in annual contracts, it may be required to submit a CRC Action Plan to correct any problems discovered as the result of a complaint investigation or other Civil Rights Compliance monitoring efforts set forth herein below. If A/E submits a CRC/AA Plan to a Department of Workforce Development Division or to a Department of Health and Family Services Division that covers the services purchased by COUNTY, a verification of acceptance by the State of A/E's Plan is sufficient.

- 12.B.2) A/E agrees to comply with the COUNTY's civil rights compliance policies and procedures. A/E agrees to comply with civil rights monitoring reviews performed by the COUNTY, including the examination of records and relevant files maintained by the A/E. A/E agrees to furnish all information and reports required by the COUNTY as they relate to affirmative action and non-discrimination. A/E further agrees to cooperate with COUNTY in developing, implementing, and monitoring corrective action plans that result from any reviews.
- 12.B.3) A/E shall post the Equal Opportunity Policy, the name of A/E's designated Equal Opportunity Coordinator and the discrimination complaint process in conspicuous places available to applicants and clients of services, applicants for employment and employees. The complaint process will be according to COUNTY's policies and procedures and made available in languages and formats understandable to applicants, clients and employees. A/E shall supply to COUNTY's Contract Compliance Officer upon request a summary document of all client complaints related to perceived discrimination in service delivery. These documents shall include names of the involved persons, nature of the complaints, and a description of any attempts made to achieve complaint resolution.
- 12.B.4) A/E shall provide copies of all announcements of new employment opportunities to COUNTY's Contract Compliance Officer when such announcements are issued.

ATTACHMENT A

PROFESSIONAL SERVICES AGREEMENT

AGREEMENT ON CONSTRUCTION PHASE SITE VISITS

Project No.: 320004

Agreement No.: [No.]

Project Name: Emergency Management Facility Remodel

Construction phase services, for the Project referenced above, shall be provided by either the A/E or its Consultants as follows and in compliance with Article 2.G.:

1. The A/E shall visit the site a minimum of 10 times during the construction phase and attend the pre-construction meeting, bi-weekly progress meetings and final inspection to determine if work has been completed according to plans and specifications. Site visits shall be conducted at essential times during the construction phase. To be considered a site visit, close-up observation of the current building elements in process of being constructed must be performed. Additional site visits necessitated by A/E error, omission, unauthorized changes or negligence, shall be accomplished without additional cost to COUNTY. Additional site visits necessitated by significant failure on the part of the lead or other prime construction contractors to perform, will be given consideration as additional services, reimbursable by the responsible construction contractor(s) through COUNTY. Where specialty work is performed "in-house" or by an outside Consultant, the minimum number of separate site visits by that specialist shall be as indicated below.
2. The Structural Consultant shall visit the site a minimum of 4 times during the construction phase.
3. The Mechanical Consultant shall visit the site a minimum of 4 times during the construction phase.
4. The Electrical Consultant shall visit the site a minimum of 5 times during the construction phase.
5. The Plumbing Consultant shall visit the site a minimum of 5 times during the construction phase.

ATTACHMENT B

PROFESSIONAL SERVICES AGREEMENT

A/E, ENGINEER / CONSULTANT AGREEMENT

Date: [Date]

Project No.: 320004

Agreement No.: [No.]

THIS AGREEMENT is between [A/E Name], hereinafter called "A/E", executing this Agreement, and [Consultant Name] hereinafter called the "Consultant".

WITNESSETH

WHEREAS, the A/E has entered into an Agreement with COUNTY to furnish professional services with a project, hereinafter named "Project", which is described as follows:

Emergency Management Facility Remodel

WHEREAS, the A/E deems it advisable to engage the services of a Consultant to furnish professional services in connection with this project, and

WHEREAS, the A/E and Consultant agree that the terms of the Agreement between COUNTY and the A/E also apply to this Agreement as though fully set forth and binding upon the Consultant, and

WHEREAS, the Consultant agrees that in the event of conflict between the A/E's Agreement with COUNTY and the A/E's Agreement with the Consultant, the A/E's Agreement with COUNTY shall take precedence, and

WHEREAS, the Consultant has signified willingness to furnish services for the A/E;

NOW, THEREFORE, in consideration of the premises and to their mutual and dependent agreements, the parties hereto agree as set forth in the Agreement between COUNTY and the A/E which are annexed hereto and made a part hereof.

IN WITNESS WHEREOF, the A/E and the Consultant have executed this Agreement.

[Consultant Firm Name]

[A/E Firm Name]

Signature

Date

Signature

Date

Printed Name

Printed Name

Title

Title

Providing the following services:

[Describe services]

SECTION 00 73 11

FAIR LABOR PRACTICES CERTIFICATION

The undersigned, for and on behalf of the BIDDER, APPLICANT or PROPOSER named herein, certifies as follows:

A. That he or she is an officer or duly authorized agent of the above-referenced BIDDER, APPLICANT or PROPOSER, which has a submitted a bid, application or proposal for a contract or agreement with the county of Dane.

B. That BIDDER, APPLICANT or PROPOSER has (check one):

_____ not been found by the National Labor Relations Board (“NLRB”) or the Wisconsin Employment Relations Commission (“WERC”) to have violated any statute or regulation regarding labor standards or relations in the seven years prior to the signature date of this Certification.

_____ been found by the National Labor Relations Board (“NLRB”) or the Wisconsin Employment Relations Commission (“WERC”) to have violated any statute or regulation regarding labor standards or relations in the seven years prior to the signature date of this Certification.

Officer or Authorized Agent Signature

Date

Printed or Typed Name and Title

Printed or Typed Business Name

NOTE: You can find information regarding the violations described above at: www.nlr.gov and werc.wi.gov.

For reference, Dane County Ordinance 25.09 is as follows:

(1) BIDDER RESPONSIBILITY. (a) Any bid, application or proposal for any contract with the county, including public works contracts regulated under chapter 40, shall include a certification indicating whether the bidder has been found by the National Labor Relations Board (NLRB) or the Wisconsin Employment Relations Committee (WERC) to have violated any statute or regulation regarding labor standards or relations within the last seven years. The Controller shall investigate any such finding and make a recommendation to the committee, which shall determine whether the conduct resulting in the finding affects the bidder’s responsibility to perform the contract.

If you indicated that the NLRB or WERC have found you to have such a violation, you must include copies of any relevant information regarding such violation with your proposal, bid or application.



Include this completed Certification with your bid, application or proposal.

END OF SECTION

5415 King James Way

Fitchburg, WI 53719

Legend

-  Fitch-Rona Ems District
-  Kapec & King James (SB)

Google Earth



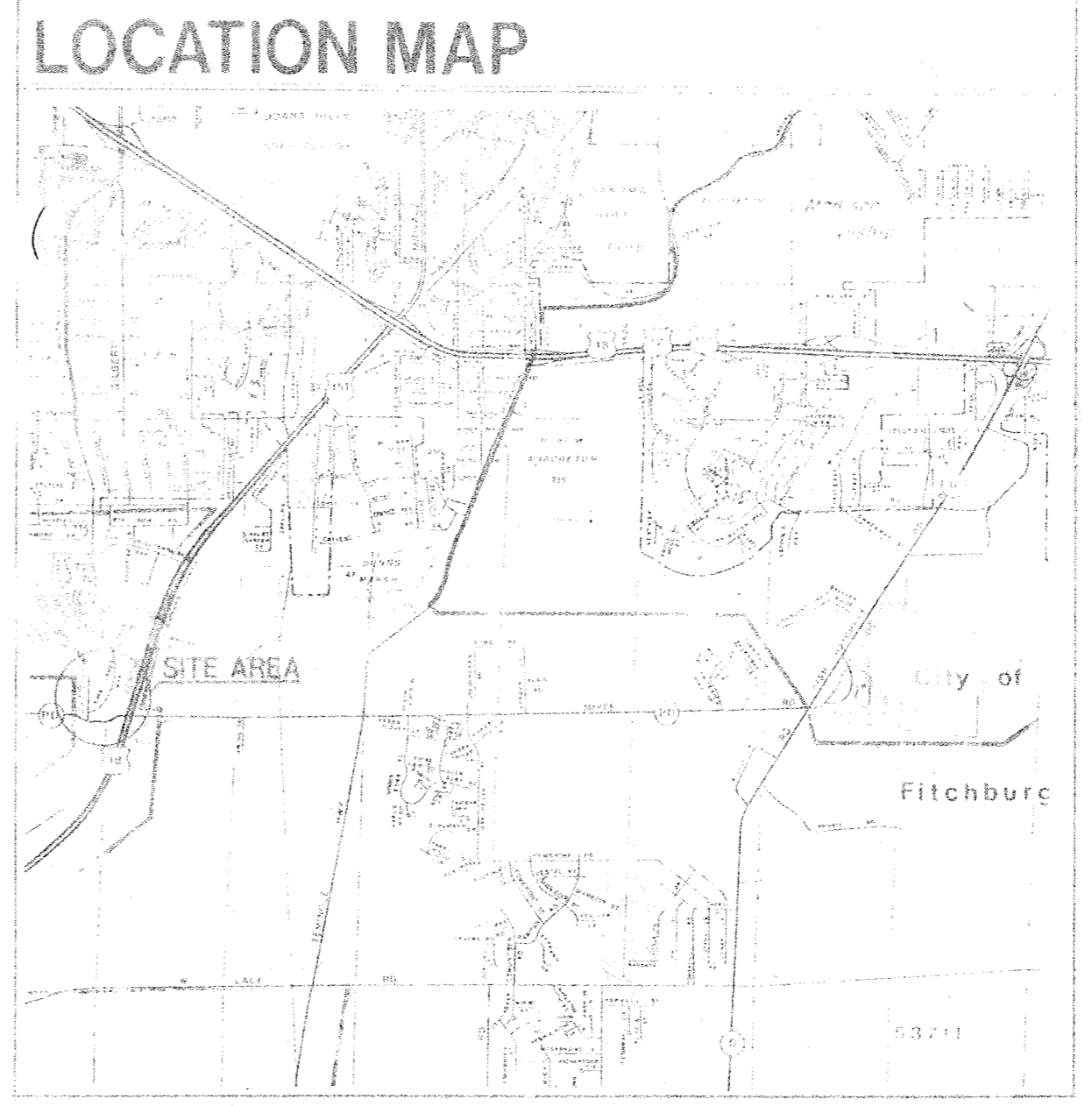
200 ft



OFFICE COPY
NEW PLAN

FITCHBURG FIRE STATION #2/FITCH-RONA EMS DISTRICT
5415 KING JAMES WAY
FITCHBURG, WI 53719

as built



DRAWING INDEX

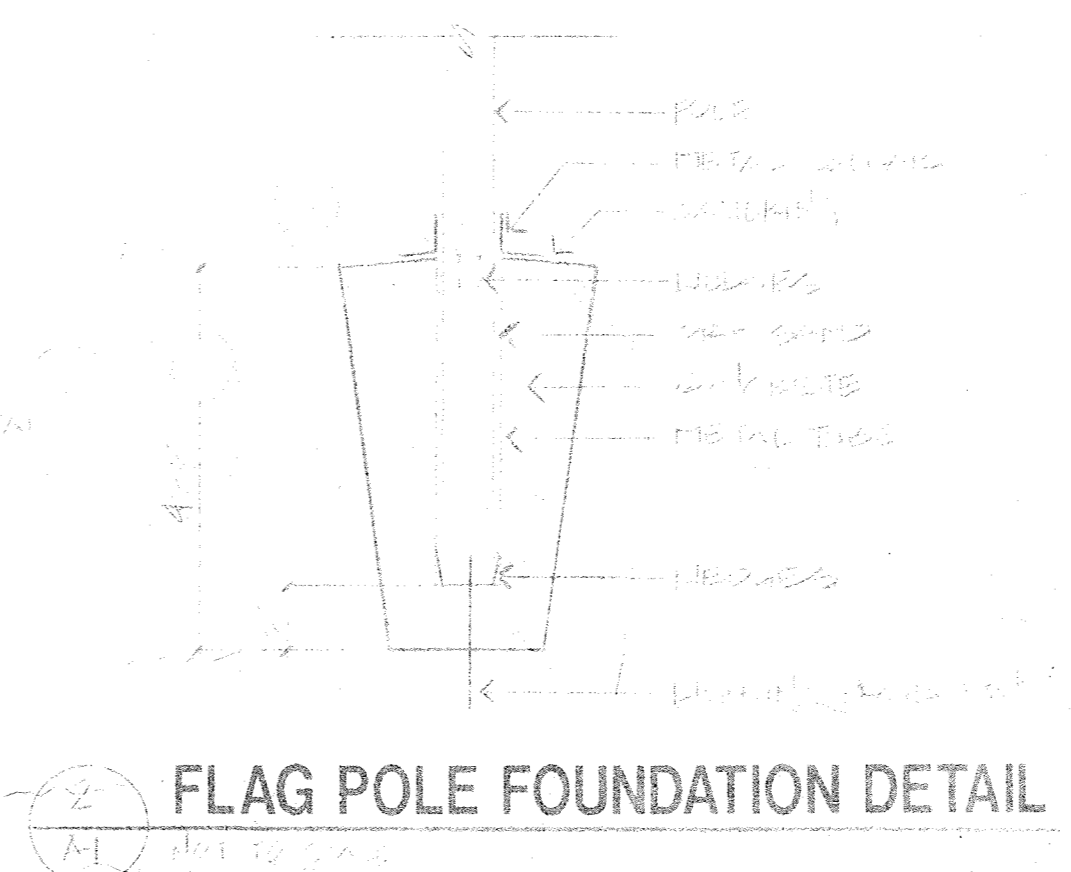
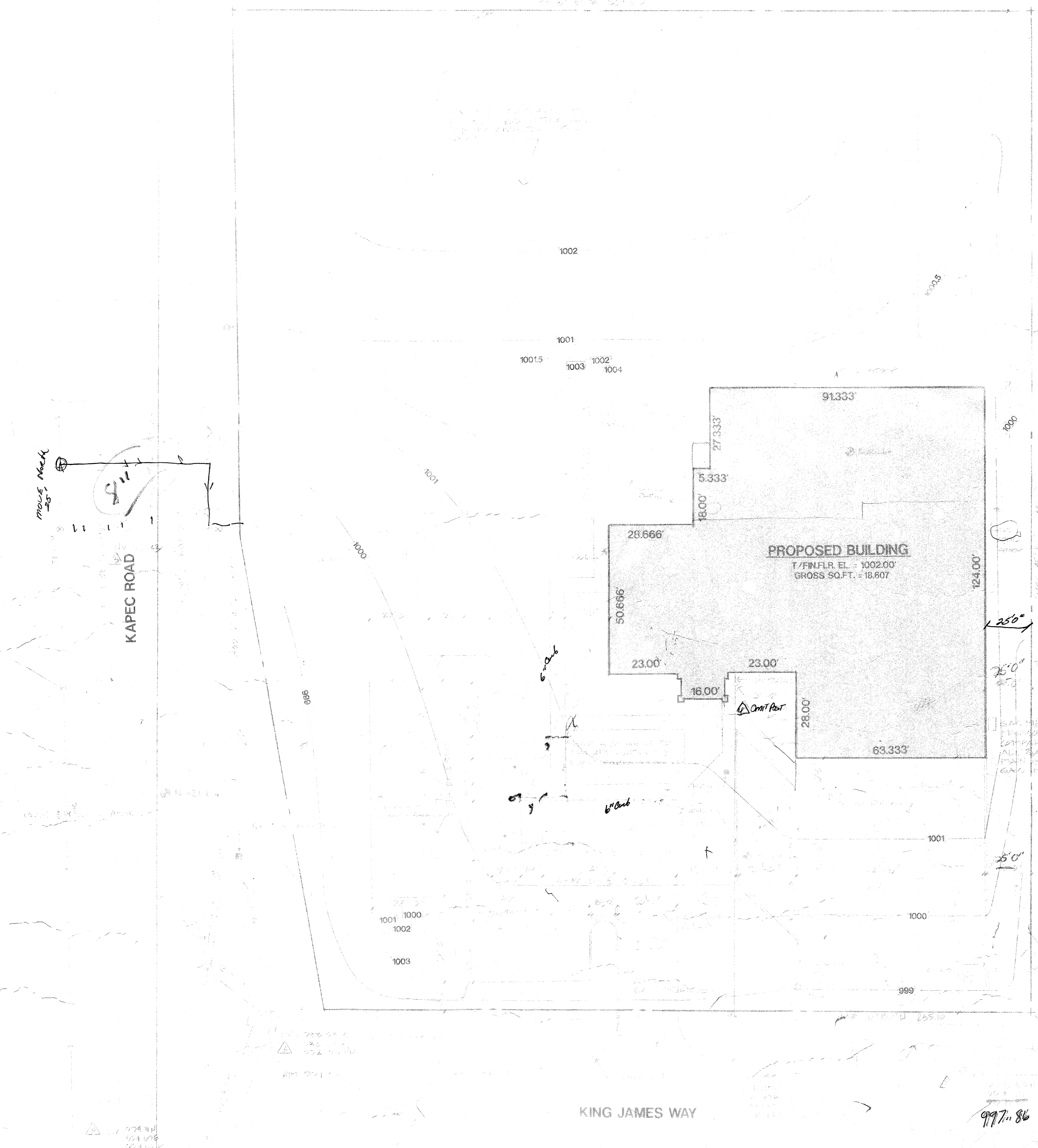
- A1 SITE PLAN
- A2 ELEVATIONS
- A3 FOUNDATION/BASEMENT PLAN
- A3.1 FOUNDATION PLAN - ALTERNATE
- A4 FIRST FLOOR PLAN/MEZZANINE PLAN
- A4.1 FIRST FLOOR PLAN - ALTERNATE
- A5 SCHEDULES
- A6 BUILDING SECTIONS
- A7 BUILDING SECTIONS
- A8 WALL SECTIONS
- A9 STAIR SECTION/ FASCIA DETAIL
- A10 INTERIOR ELEVATIONS
- A11 REFLECTED CEILING PLAN/ ROOF PLAN

- S1 FRAMING PLANS

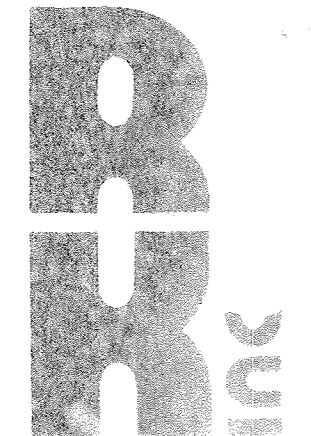
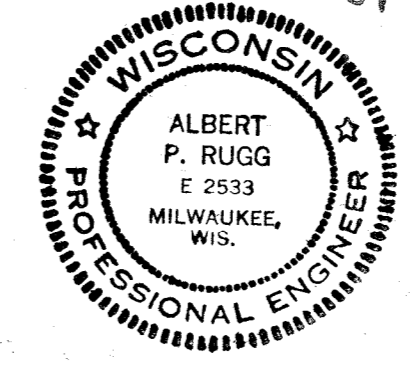
- HV1 BASEMENT PLAN
- HV2 FLOOR PLAN

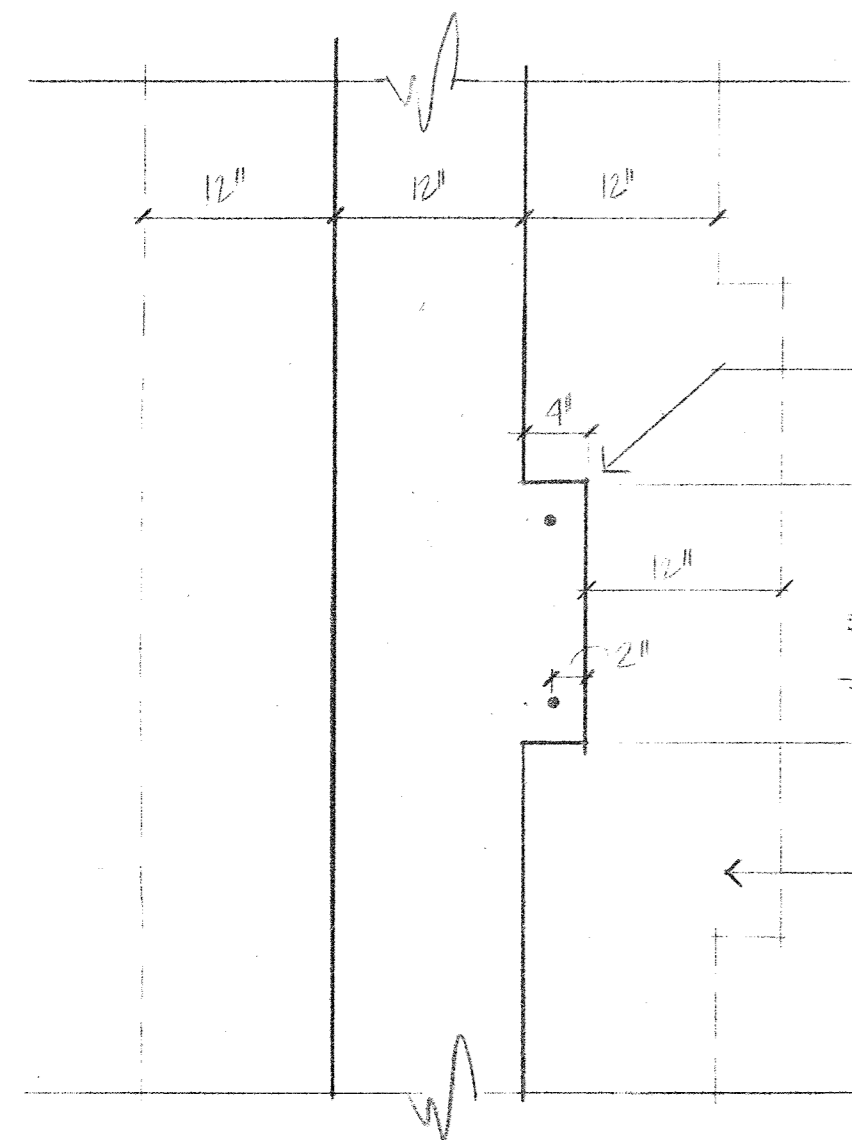
- P1 WASTE PLAN
- P2 SUPPLY PLAN
- P3 RISER DIAGRAMS
- P4 DETAILS

- E1 SITE & SYMBOL SCHEDULE
- E2 LIGHTING LAYOUTS
- E3 OUTLET LAYOUTS
- E4 COMMUNICATION LAYOUTS
- E5 SCHEDULES
- E6 DETAILS & SCHEDULES



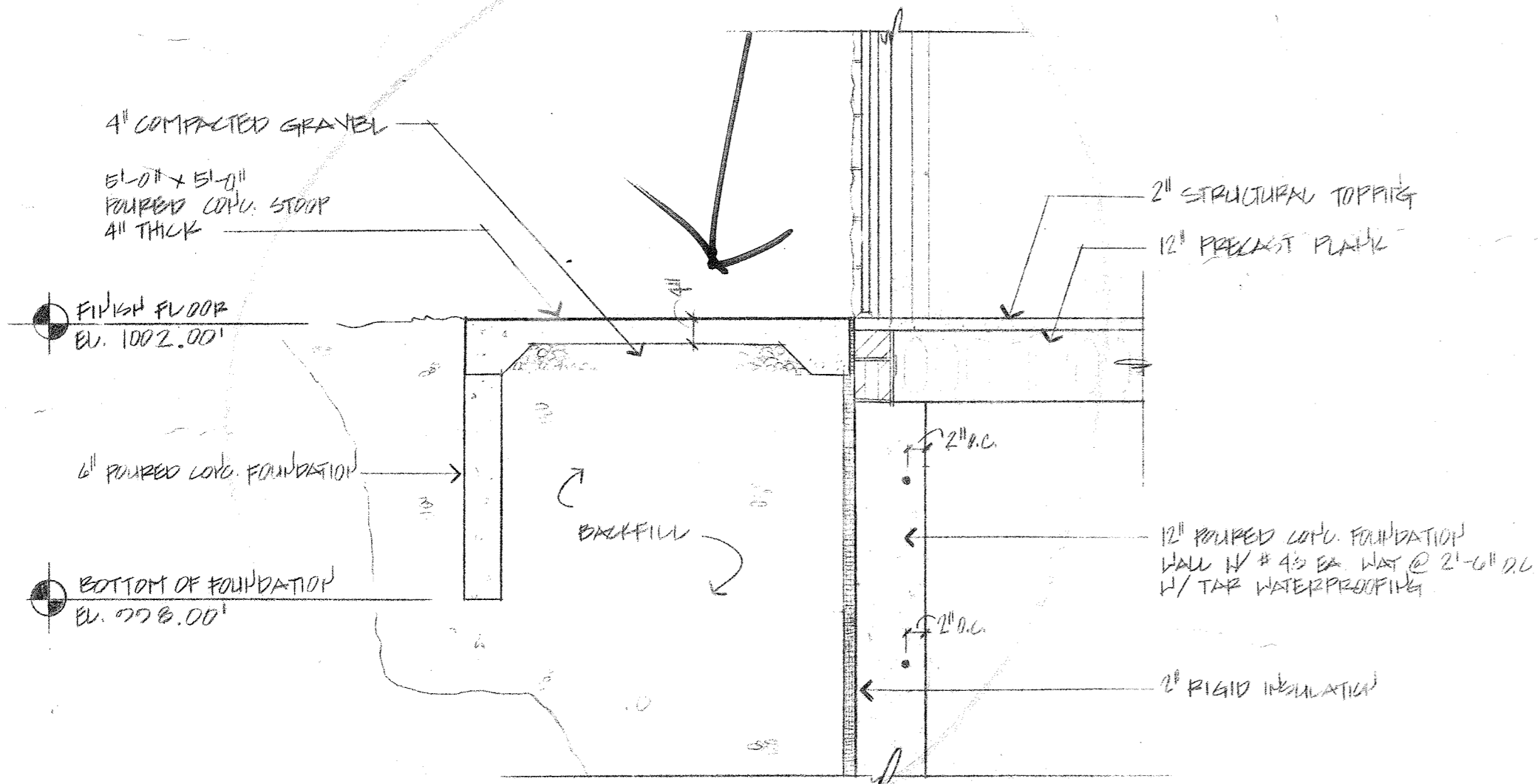
Albert P. Rugg





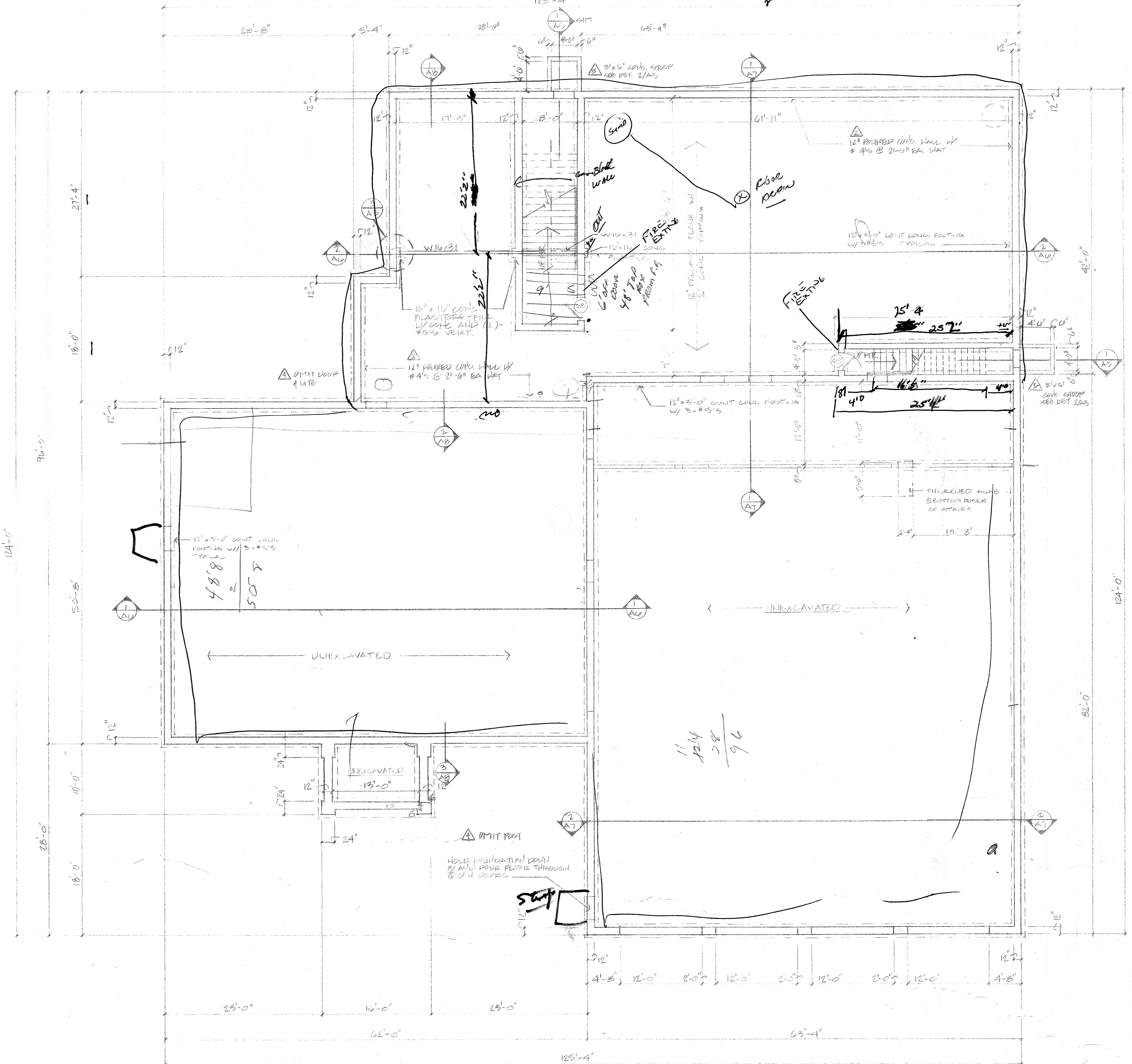
PILASTER DETAIL

P-1-01



STOOP DETAIL

S-1-01



FOUNDATION/BASEMENT PLAN

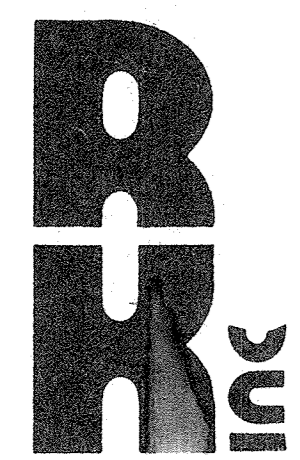
1/8" = 1'-0"

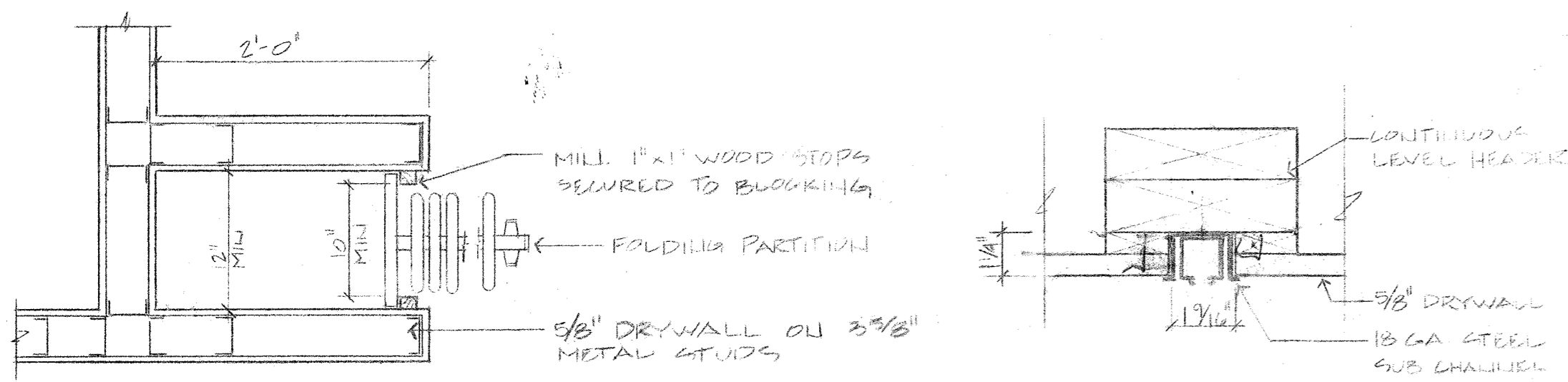
- △ NO CHANGES
- △ APPROVED NO. 2 3-15-93
- △ NO CHANGES
- △ REVISION CHANGES REQUEST 4-2-93
- △ REVISION CITY REQUEST 4-2-93

24 16
25 14
- 8
24 8

2 8 2
3 6

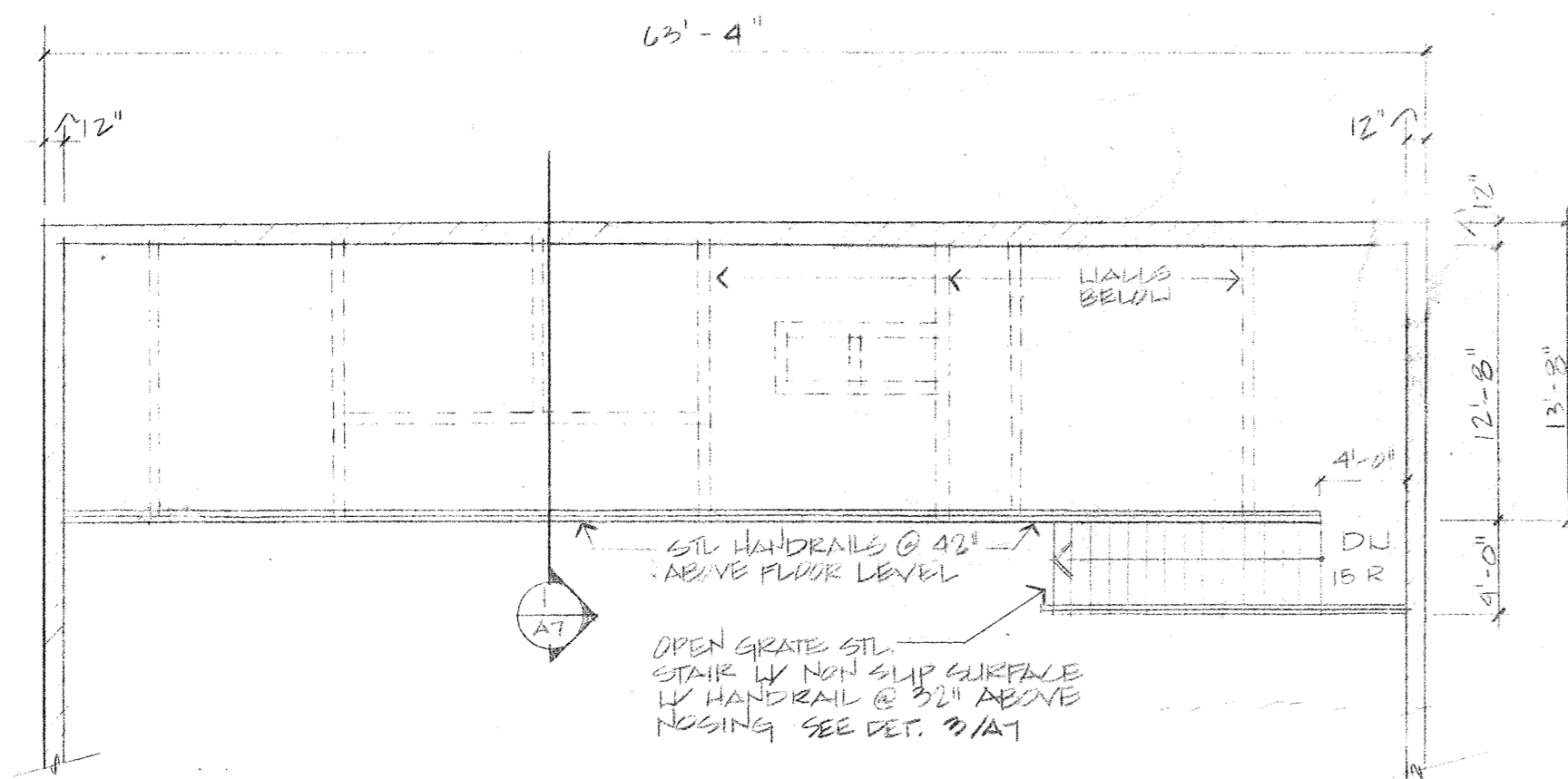
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4 6



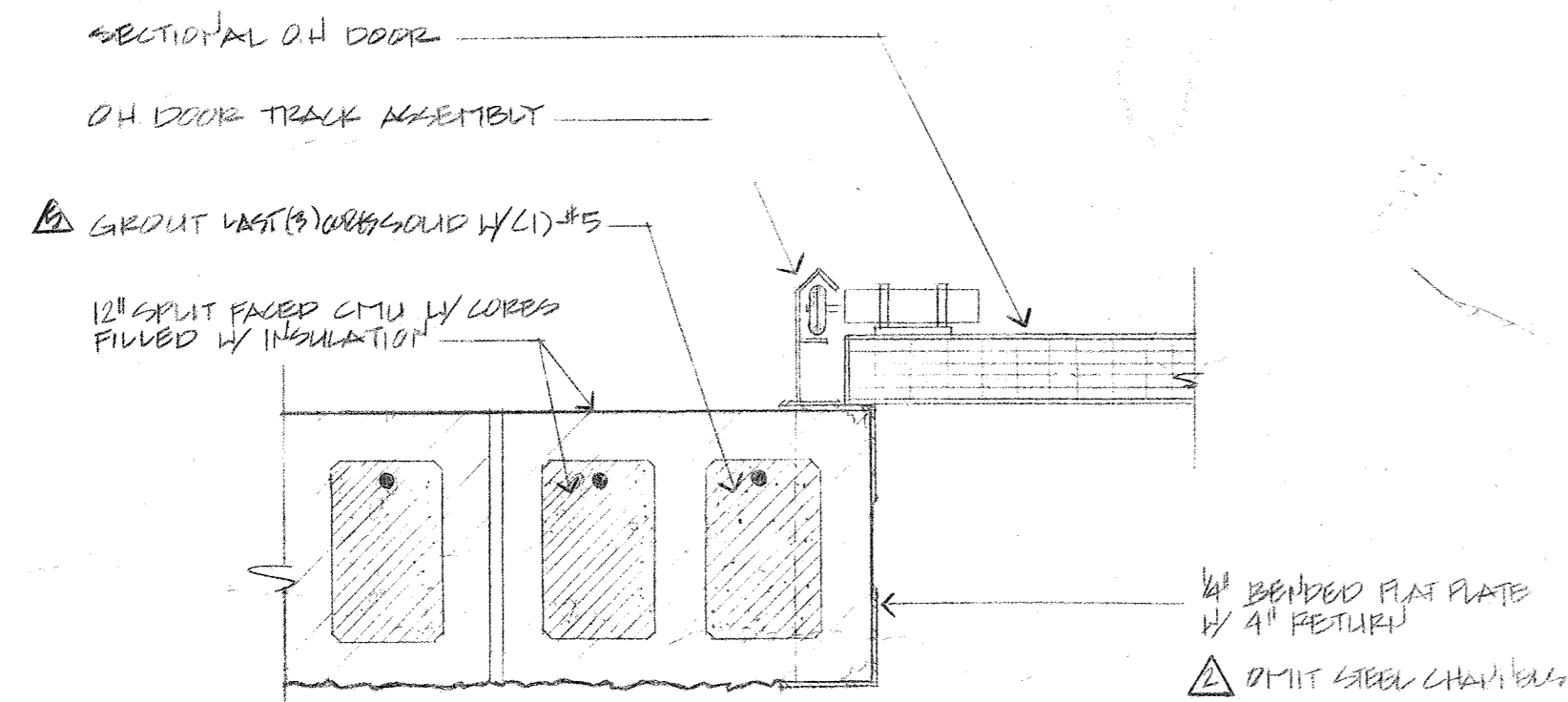


3 POCKET DETAIL @ FOLDING PARTITION
 A4 1" = 1'-0"

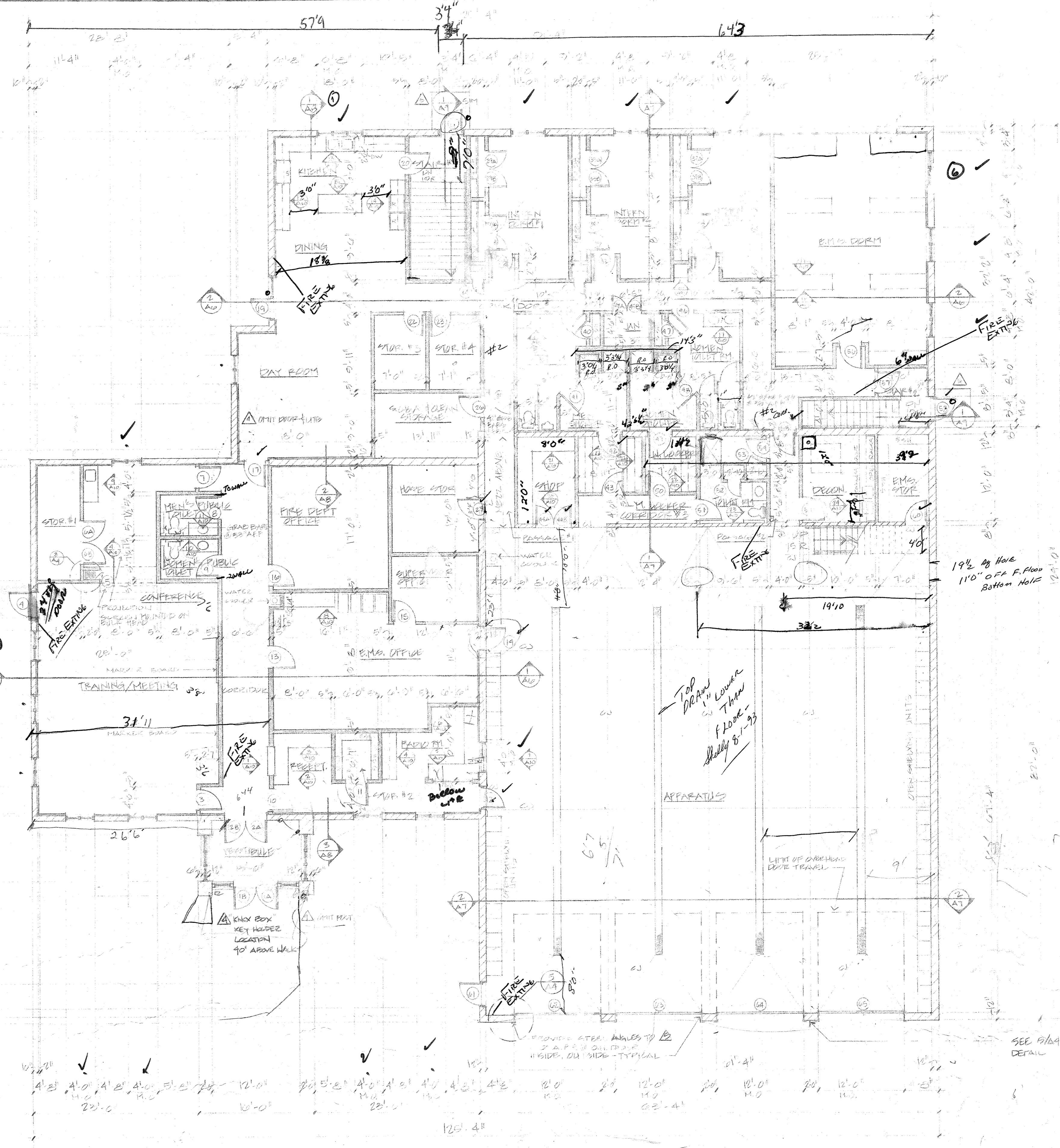
4 HEAD DETAIL
 A4 3" = 1'-0"



2 MEZZANINE PLAN
 A4 1/8" = 1'-0"



5 DETAIL @ O.H. DOOR JAMB
 A4 1 1/2" = 1'-0"



1 FIRST FLOOR PLAN
 A4 1/8" = 1'-0"

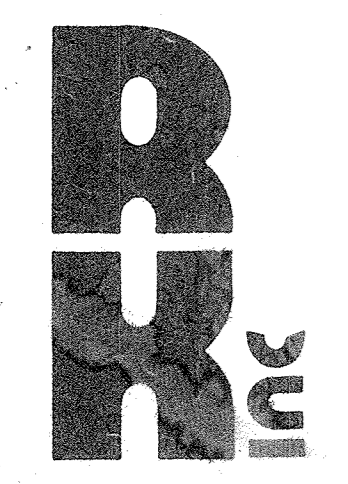
NOTE: ALL BLOCK WALLS SHALL HAVE HORIZ. REIN. @ EVERY 2ND COURSE - ALL EXTERIOR BLOCK WALLS SHALL HAVE VERT. REIN. @ 4'-0" OC - SEE 4/A1

- △ No change
- △ APPROX. IN NO. 5-10-93
- △ No change
- △ REVISION 2/18/93 REQUEST D-2003
- △ REVISION 04/08/93 REQUEST D-2003

3
2 10
2 10
20
8' 10"

1.00
35
50
125.0 ft

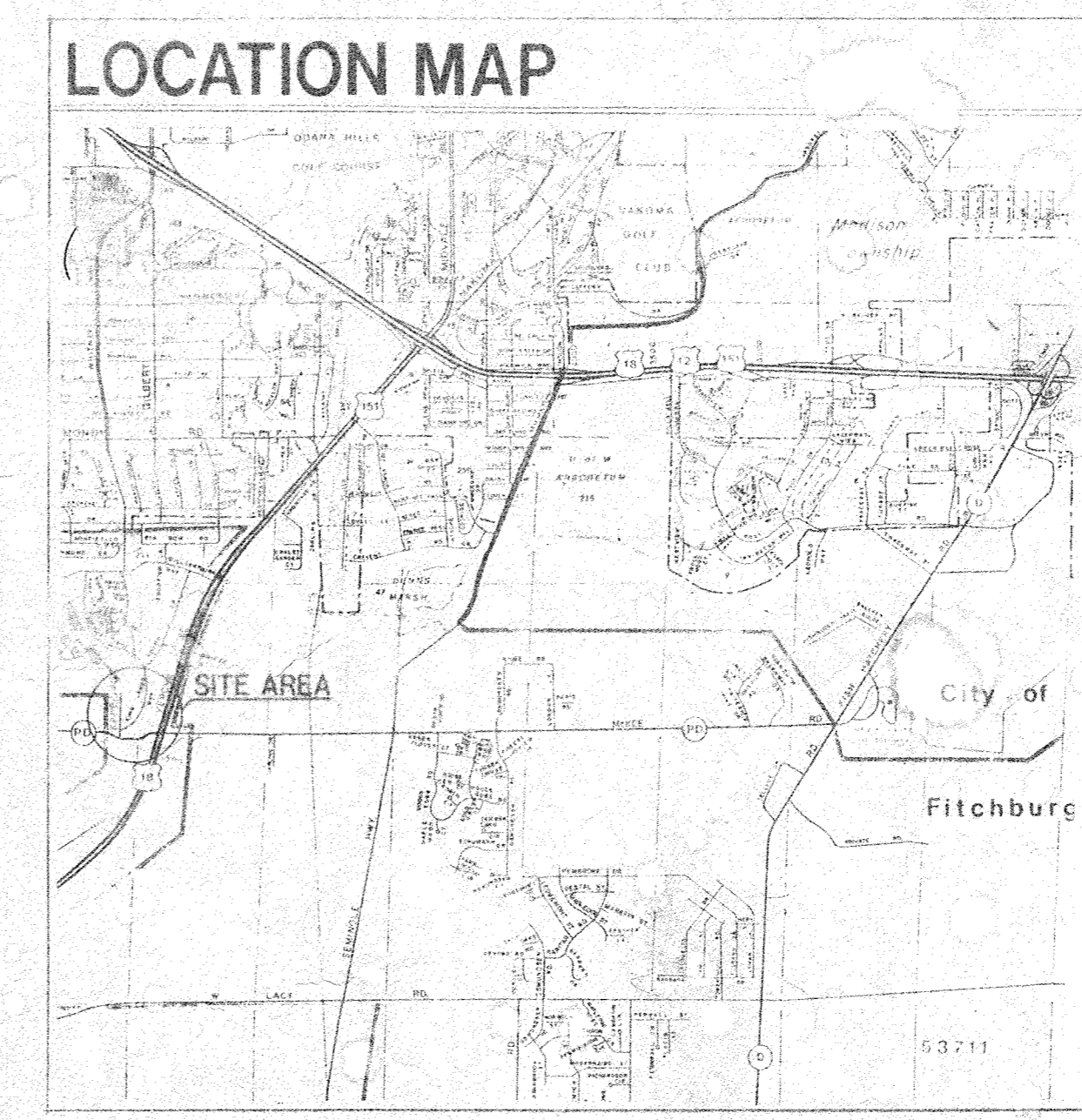
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OFFICE COPY
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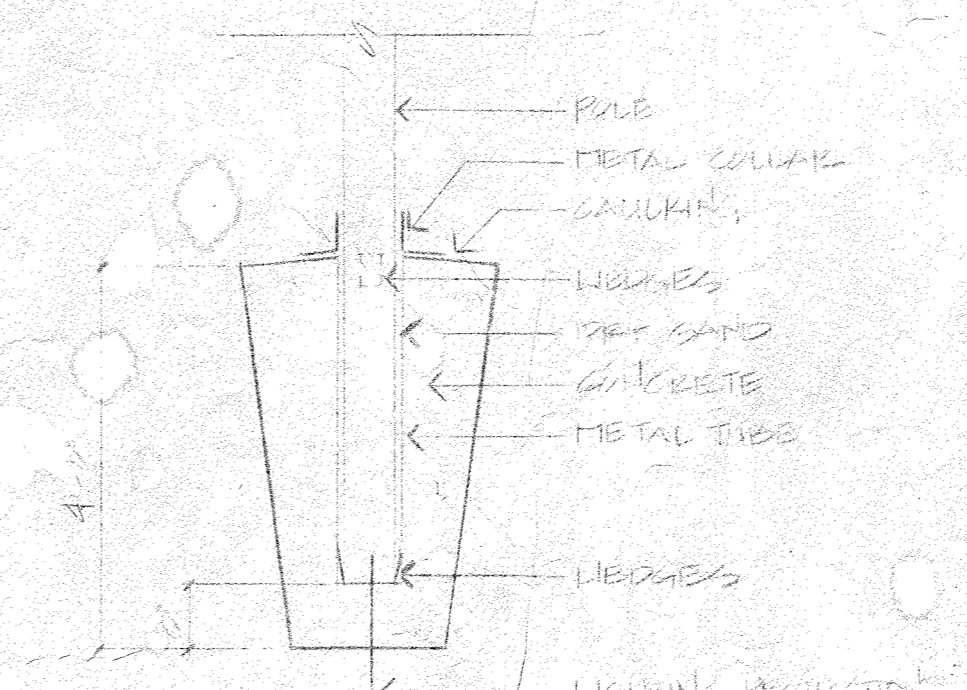
FITCHBURG FIRE STATION #2/FITCH-RONA EMS DISTRICT
5415 KING JAMES WAY
FITCHBURG, WI 53719

as built

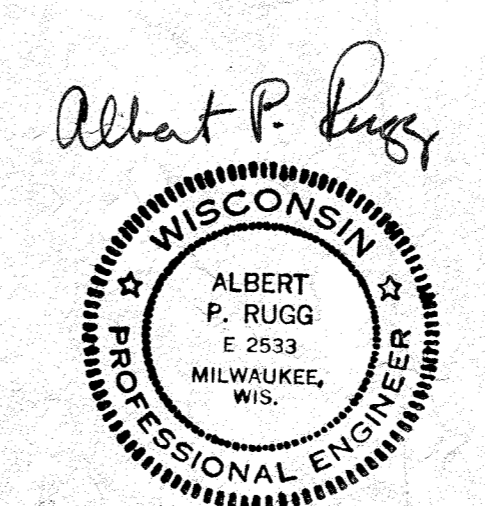


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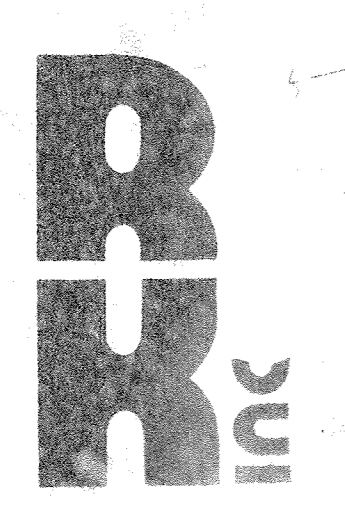
A1	SITE PLAN
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A7	BUILDING SECTIONS
A8	WALL SECTIONS
A9	STAIR SECTION/ FASCIA DETAIL
A10	INTERIOR ELEVATIONS
A11	REFLECTED CEILING PLAN/ ROOF PLAN



2 FLAG POLE FOUNDATION DETAIL
A1 NOT TO SCALE



POST DETAIL
1/2" = 1'-0"



RUGG-KNOPP INC. ARCHITECTS-ENGINEERS

21500 W. GREENFIELD AVE. NEW BERLIN, WISCONSIN 53146

JOB NO. 9203 DATE 2-2-93 SHEET A1

39
172
88
33
33.0'

6/10
1/30
1/5

8/30

CONTROL JOINT - 20' FROM CORNER OF BLDG - 30' INTERMEDIATE
SEE DET. 5/1/2

METAL FASCIA SYSTEM
PREFINISHED COLOR AS
SELECTED BY OWNER

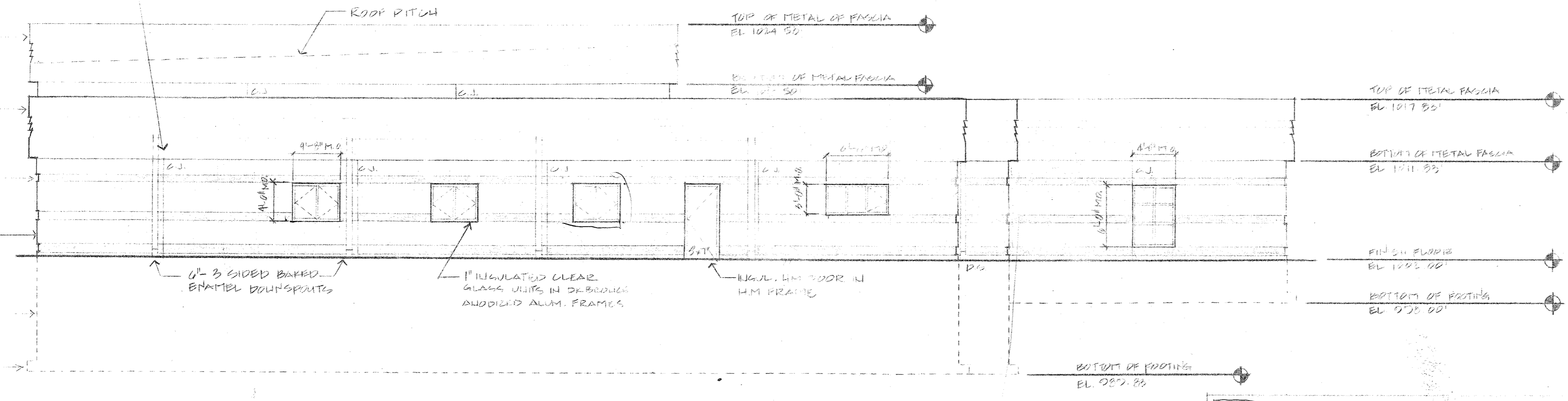
METAL FASCIA SYSTEM
PREFINISHED COLOR AS
SELECTED BY OWNER

STANDARD CMU COLOR
AS SELECTED BY OWNER

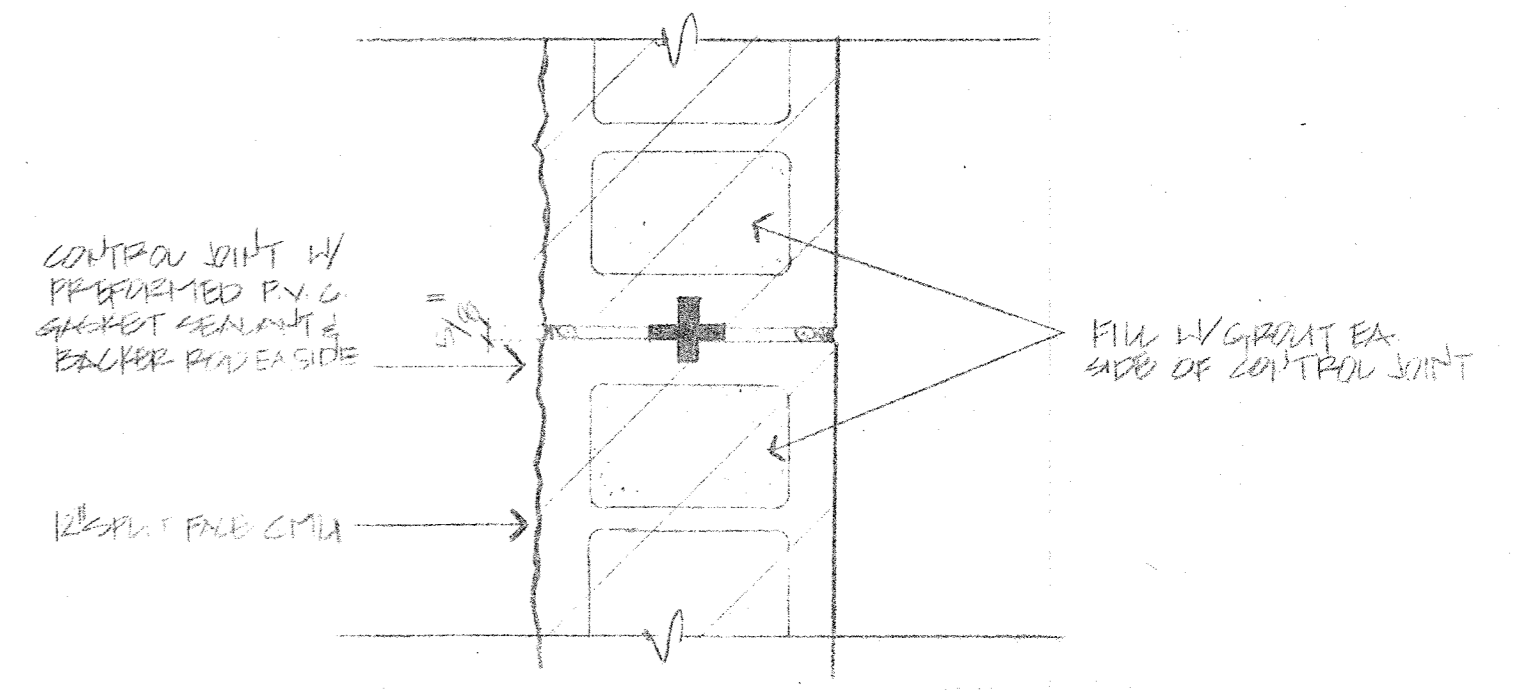
SPLIT FACE CMU - STANDARD
COLOR

POURED CONCRETE
FOUNDATION WALL

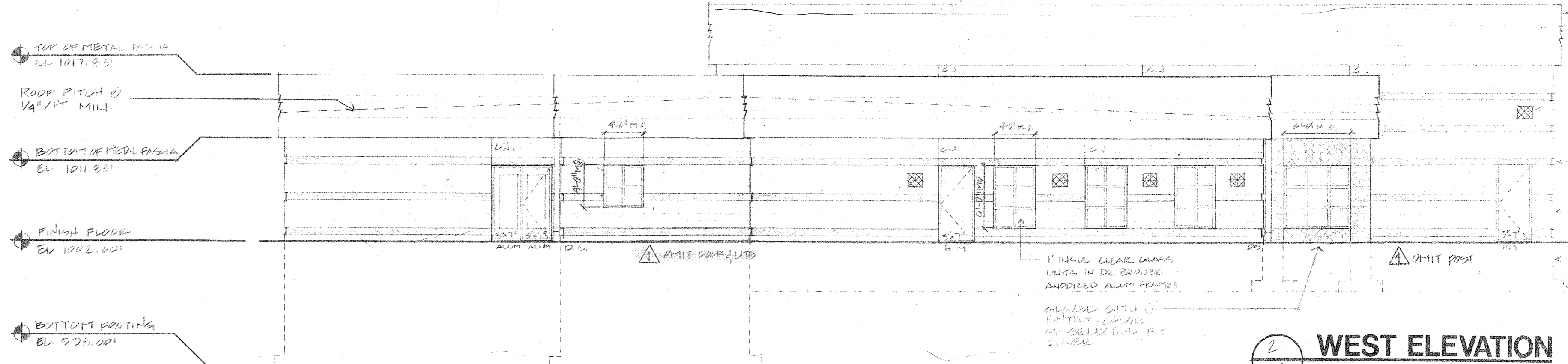
CONCRETE FOOTING



1 NORTH ELEVATION
1/8" = 1'-0"



CONTROL JOINT DETAIL
1/2" = 1'-0"



2 WEST ELEVATION
1/8" = 1'-0"

PREFINISHED METAL FASCIA
SYSTEM, COLOR AS SELECTED
BY OWNER

PREFINISHED METAL FASCIA
SYSTEM, COLOR AS SELECTED
BY OWNER

CONTROL JOINT - 20' FROM BR
CORNER OF BLDG - 30' INTERMEDIATE
SEE DET. 5/1/2

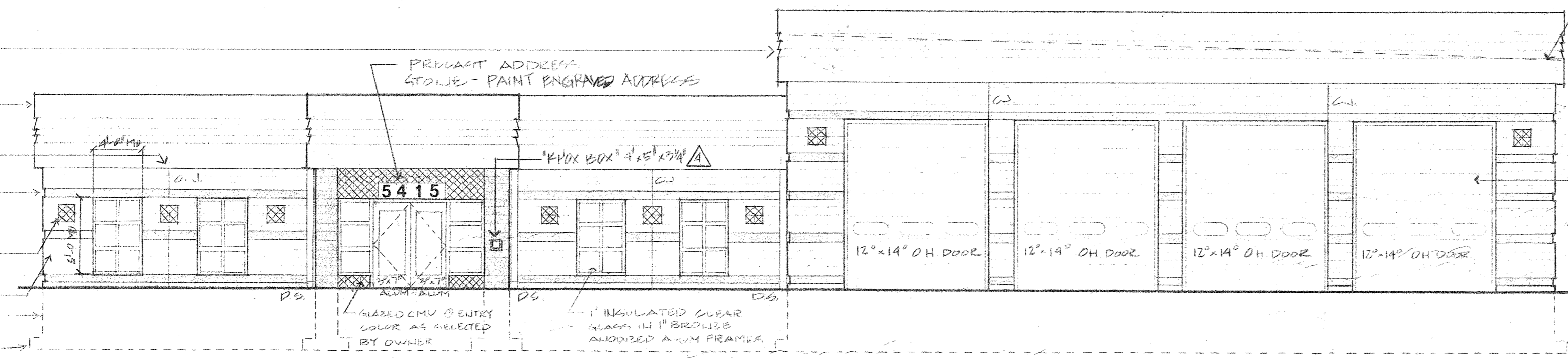
STANDARD CMU COLOR
AS SELECTED BY OWNER
(TYPICAL & SHADY AREAS)

GLAZED CMU INSERT
COLOR AS SELECTED BY OWNER

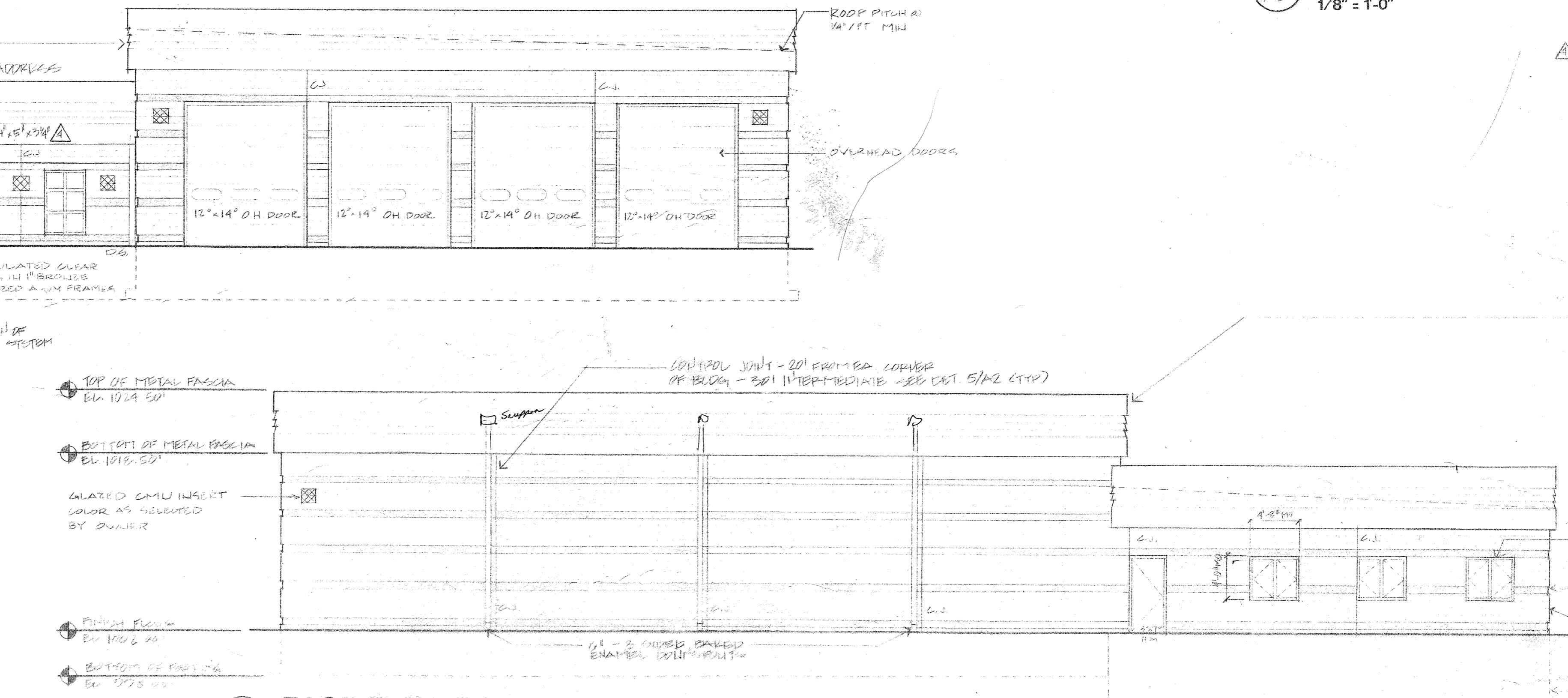
SPLIT FACE CMU STANDARD
COLOR

POURED CONCRETE
FOUNDATION WALL

CONCRETE FOOTING



3 SOUTH ELEVATION
1/8" = 1'-0"



4 EAST ELEVATION
1/8" = 1'-0"

NOTES: ALL ELEV. SHOW UNDOOR
DIMENSIONS @ OWNER'S
REQUEST

- △ NO CHANGE
- △ NO CHANGE
- △ NO CHANGE
- △ DIMENSION CHANGES REQUEST 6-2-93
- △ NO CHANGE

METAL FASCIA SYSTEM
PREFINISHED COLOR AS
SELECTED BY OWNER

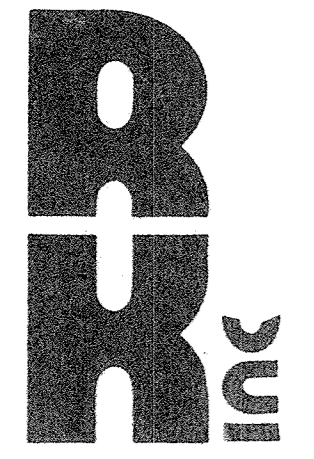
1" INSULATED CLEAR GLASS
UNITS IN 1" BRASS ANODIZED
ALUM. FRAMES

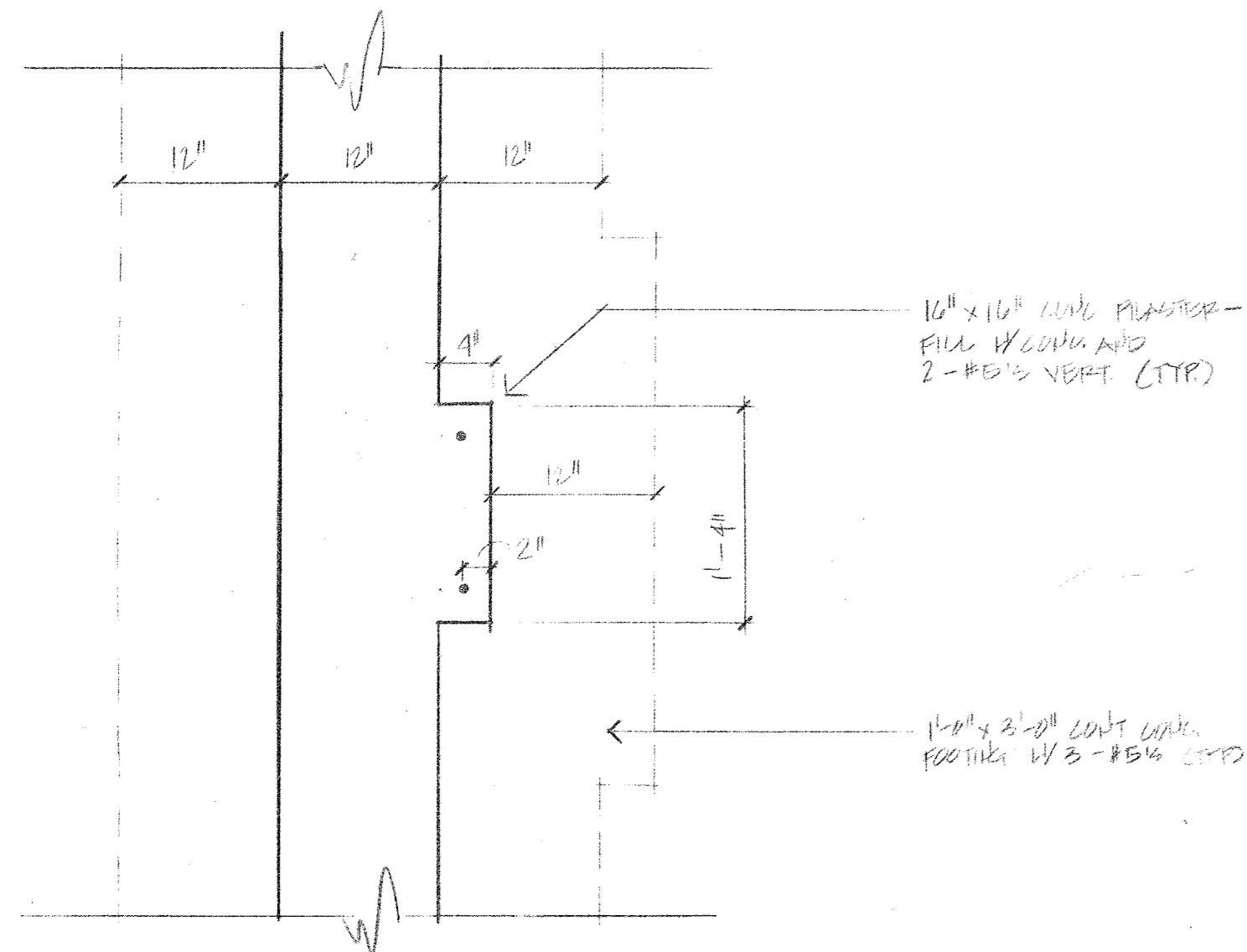
STANDARD CMU COLOR
AS SELECTED BY OWNER

SPLIT FACE CMU
STANDARD COLOR

POURED CONCRETE
FOUNDATION WALL

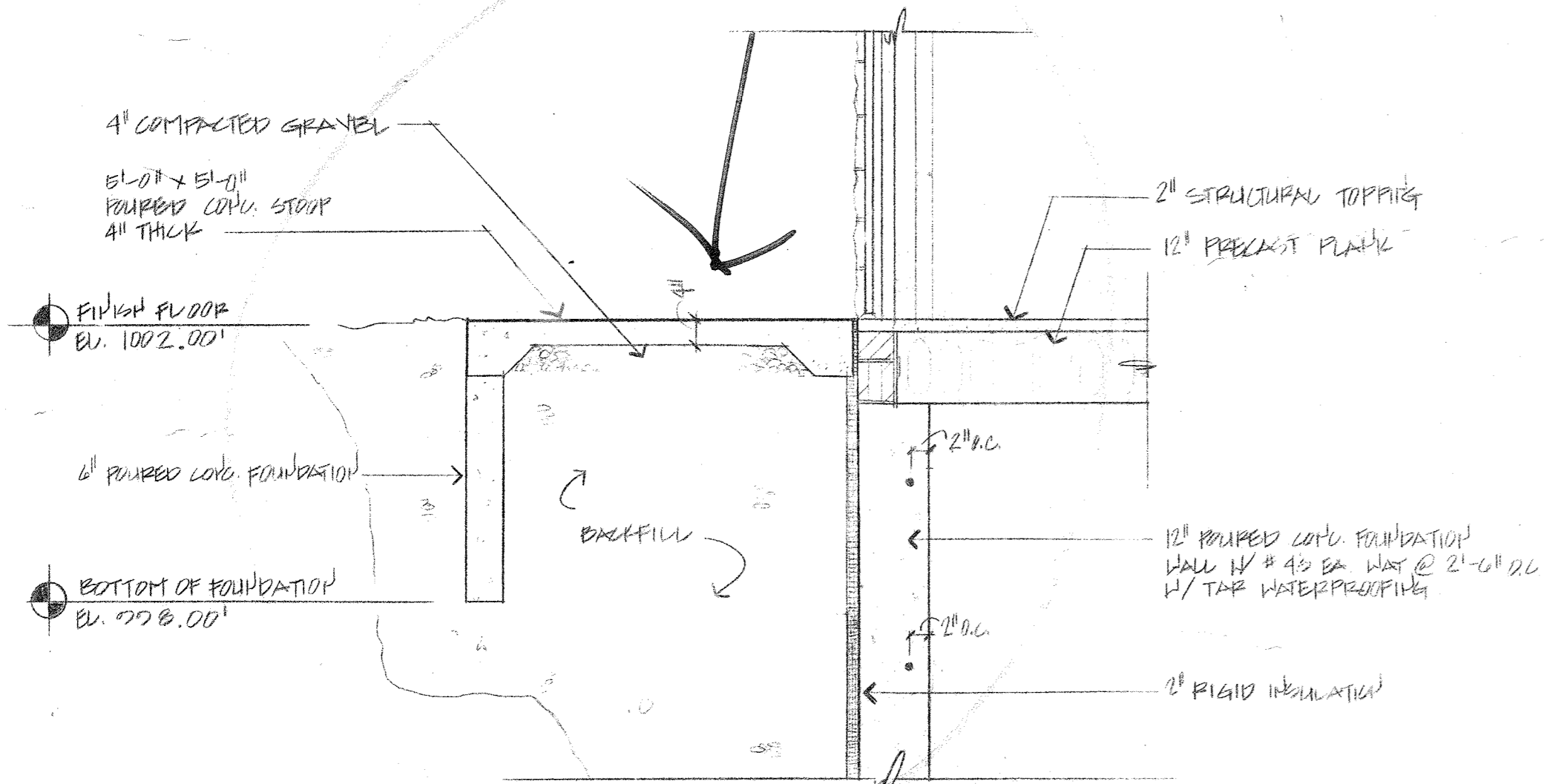
CONCRETE FOOTING





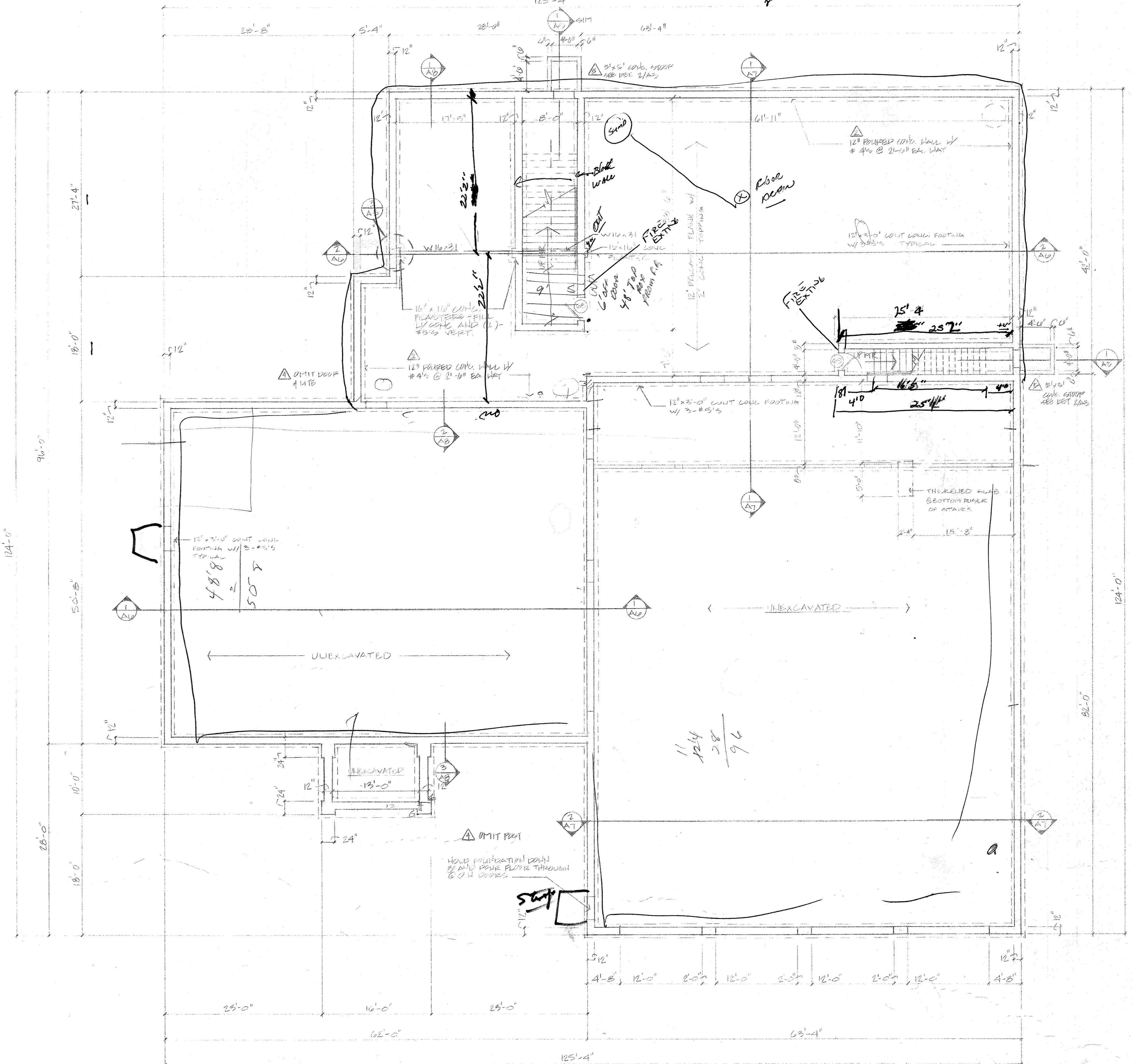
PILASTER DETAIL

P-1-01



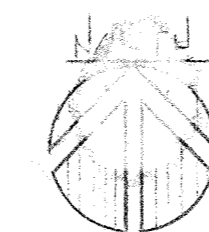
STOOP DETAIL

S-1-01



FOUNDATION/BASEMENT PLAN

1/8" = 1'-0"

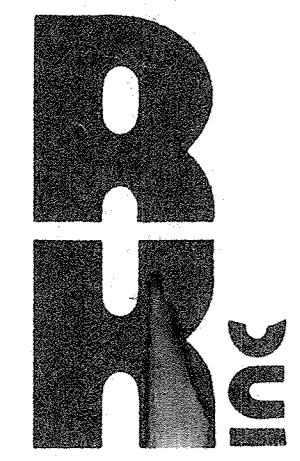


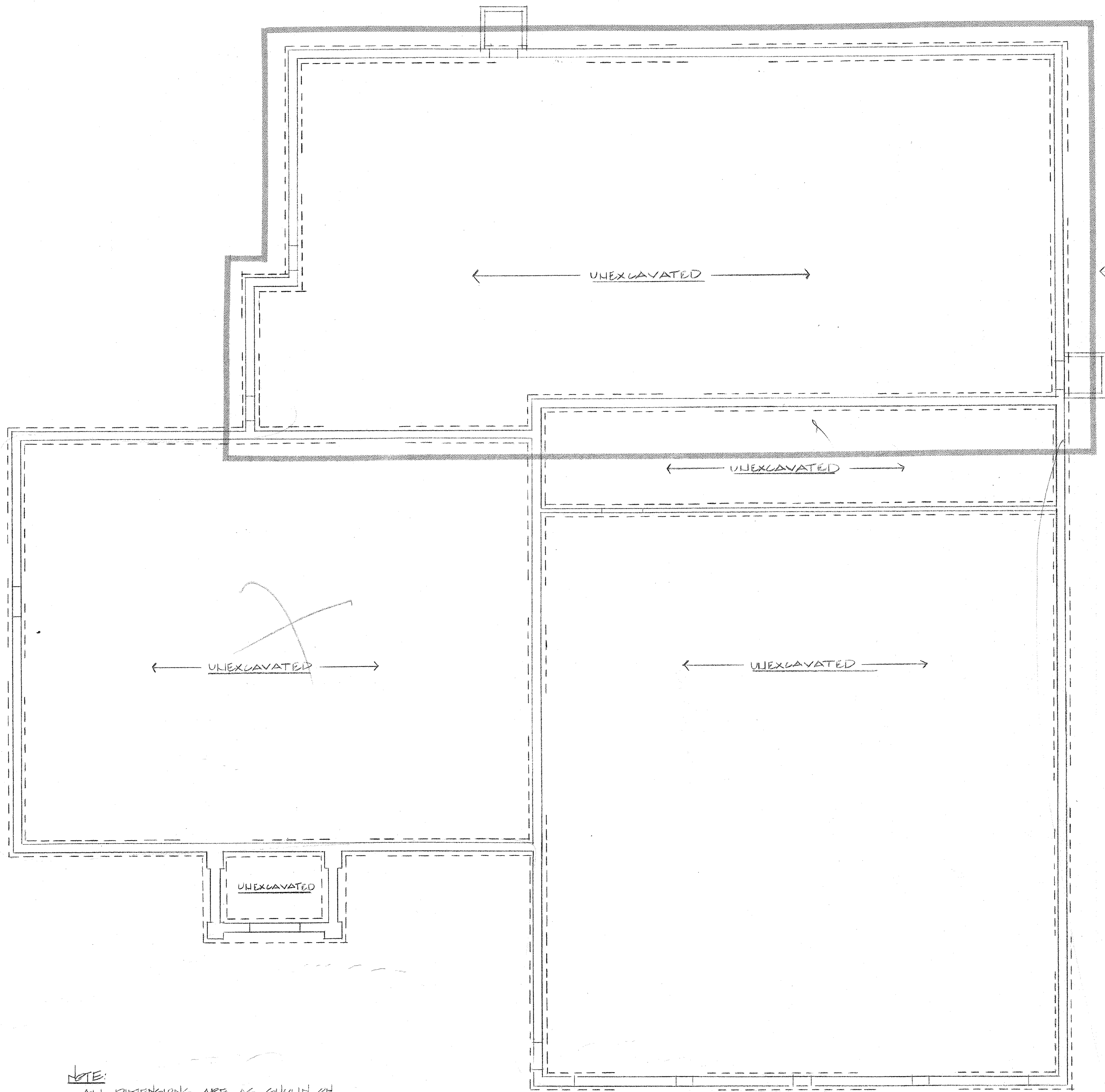
- △ no changes
- △ APPROVED NO. 2 3-10-93
- △ no changes
- △ REVISION CHANGES REQUEST 4-2-93
- △ REVISION CITY REQUEST 4-2-93

24 16
25 14
- 8
24 8

2 8 2
3 2
6 9

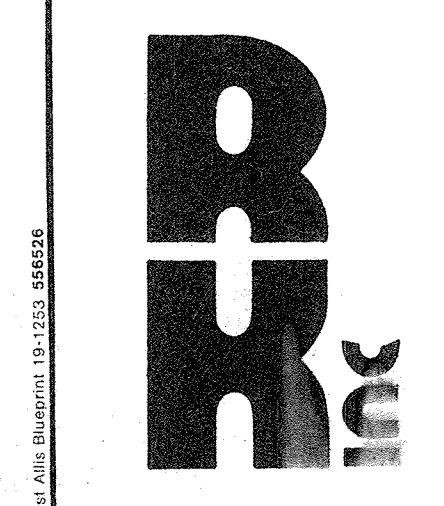
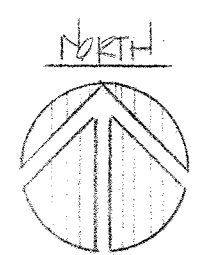
11
12 14
- 8
9 6

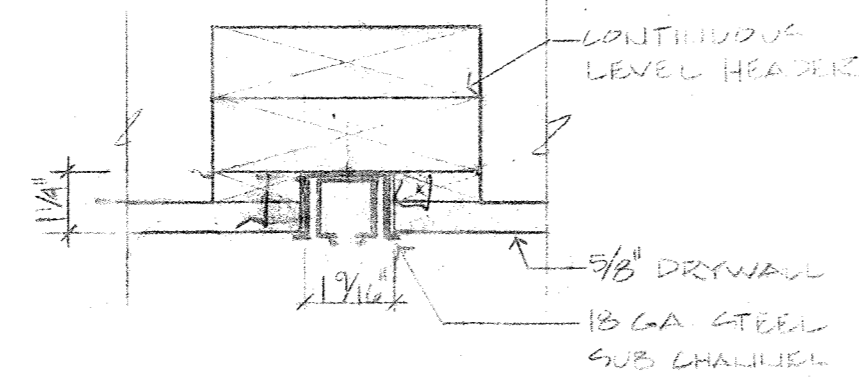
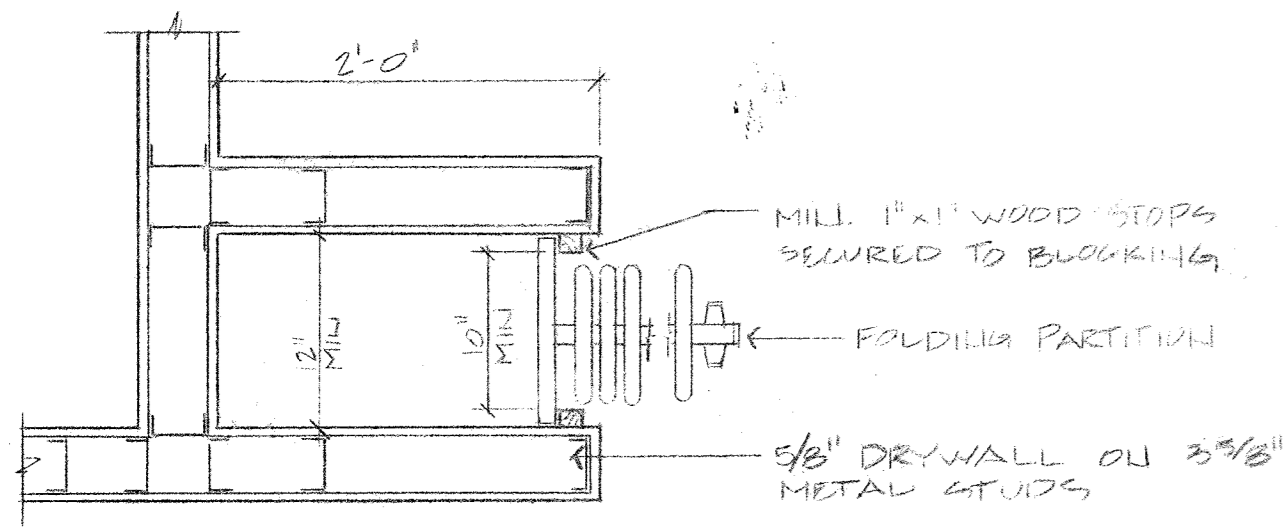




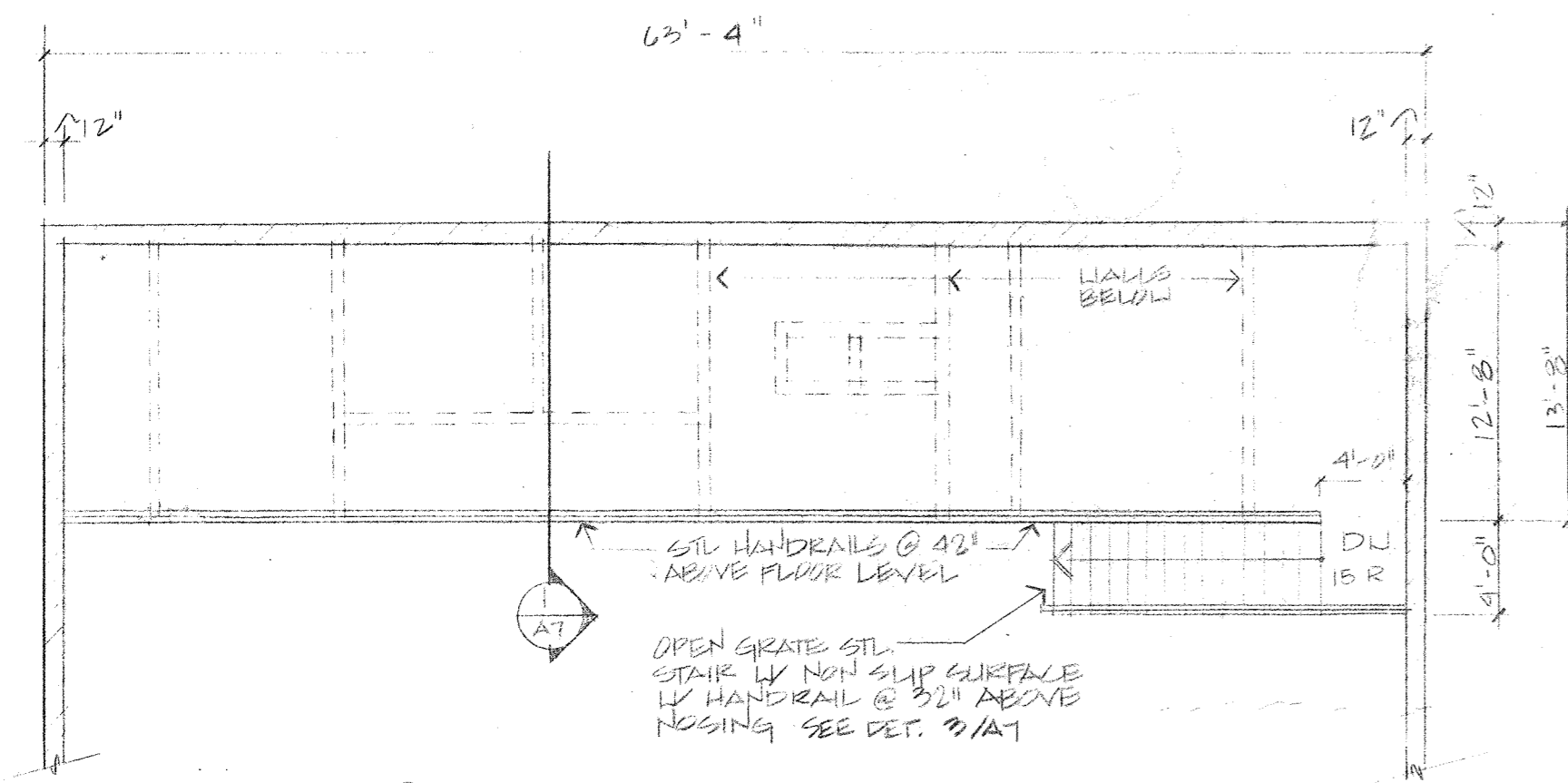
NOTE:
 ALL DIMENSIONS ARE AS SHOWN ON SHEET A3, THE ONLY PORTION OF THIS PLAN THAT DIFFERS FROM FOUNDATION BASEMENT PLAN IS THE BASEMENT AREA.

A
31
FOUNDATION PLAN - ALTERNATE
 1/8" = 1'-0"

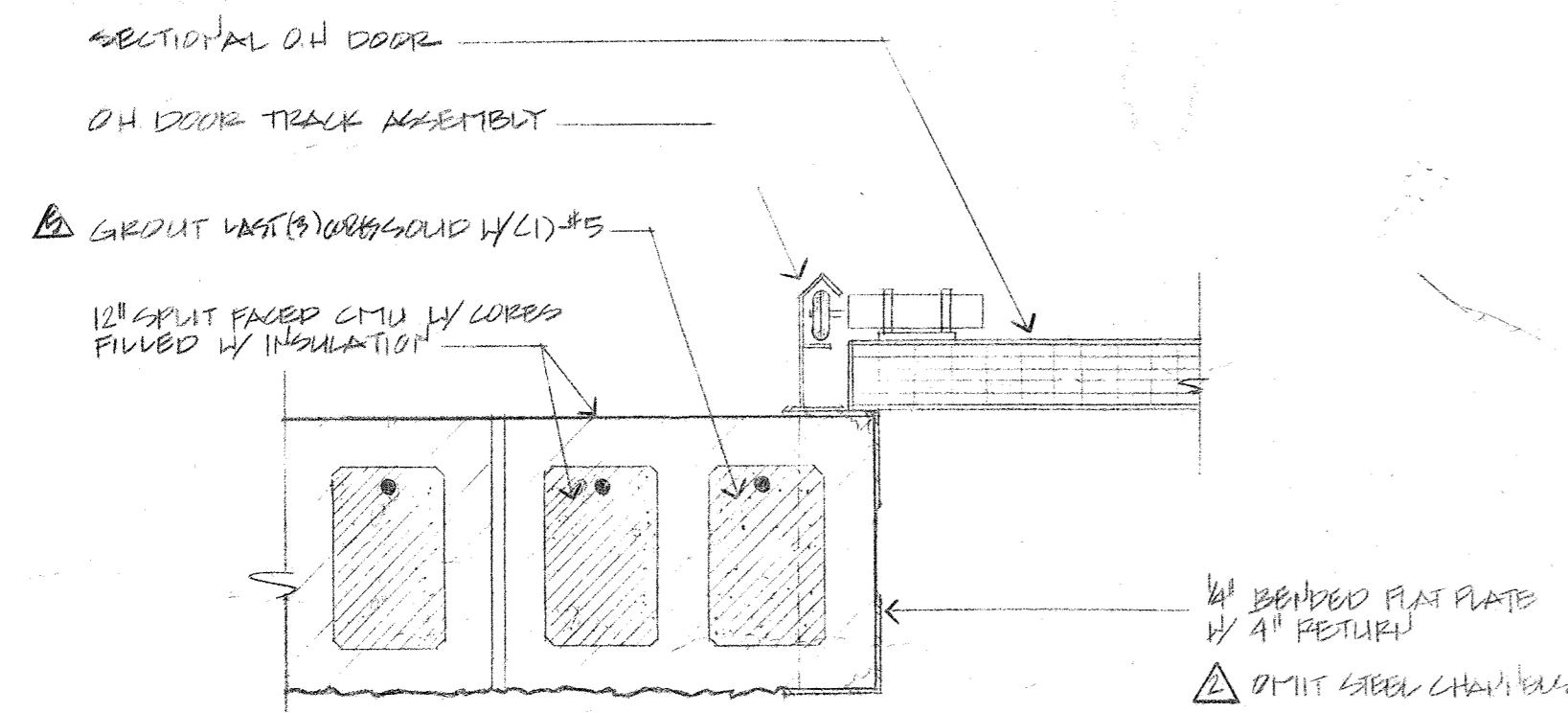




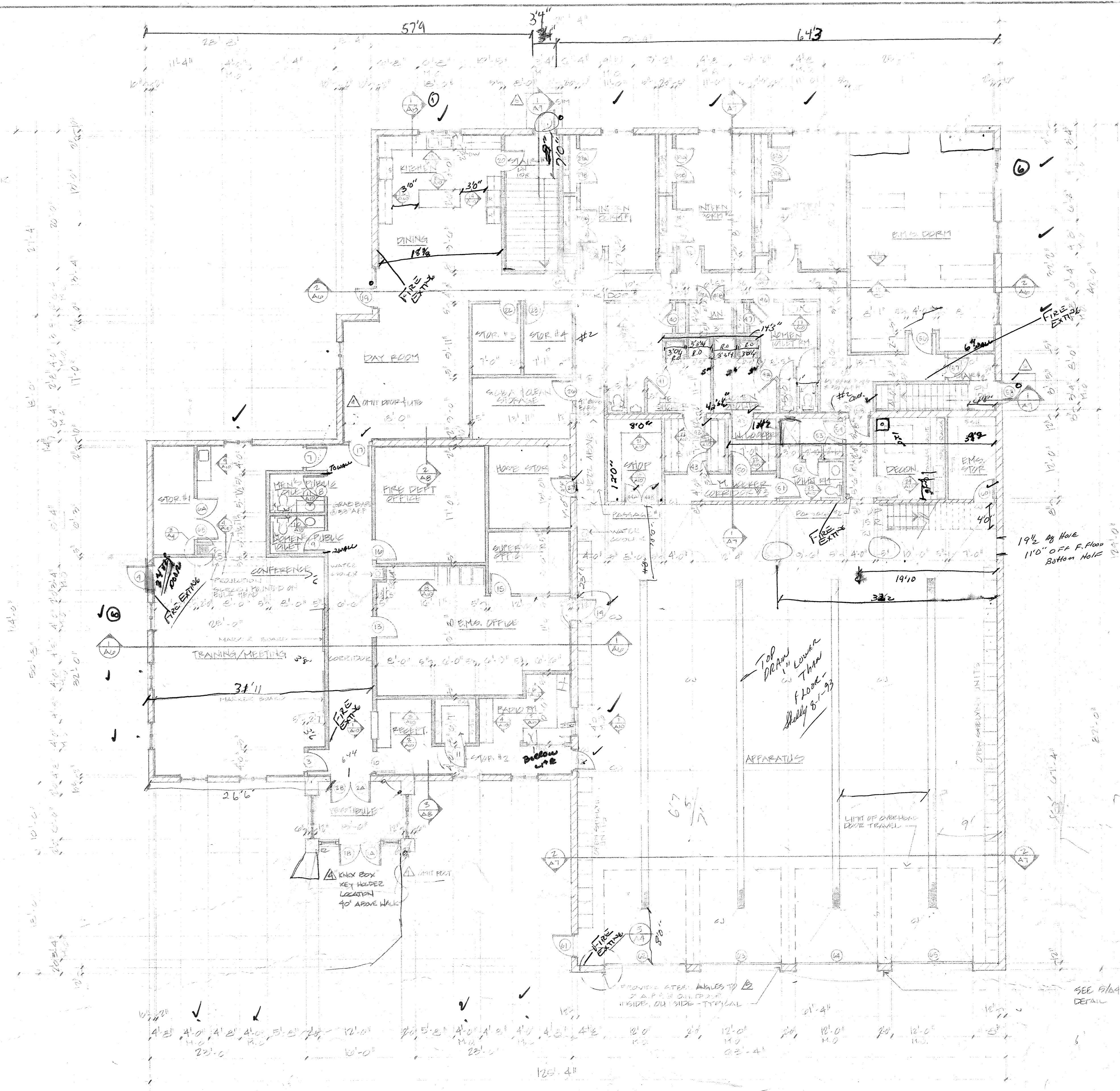
3 POCKET DETAIL @ FOLDING PARTITION 1" = 1'-0"
 4 HEAD DETAIL 3" = 1'-0"



2 MEZZANINE PLAN 1/8" = 1'-0"



5 DETAIL @ O.H. DOOR JAMB 1 1/2" = 1'-0"



1 FIRST FLOOR PLAN 1/8" = 1'-0"

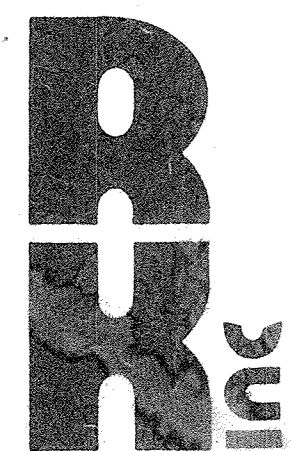
NOTE: ALL BLOCK WALLS SHALL HAVE HORIZ. REIN. @ EVERY 2ND COURSE - ALL EXTERIOR BLOCK WALLS SHALL HAVE VERT. REIN. @ 4'-0" OC - SEE 4/A1

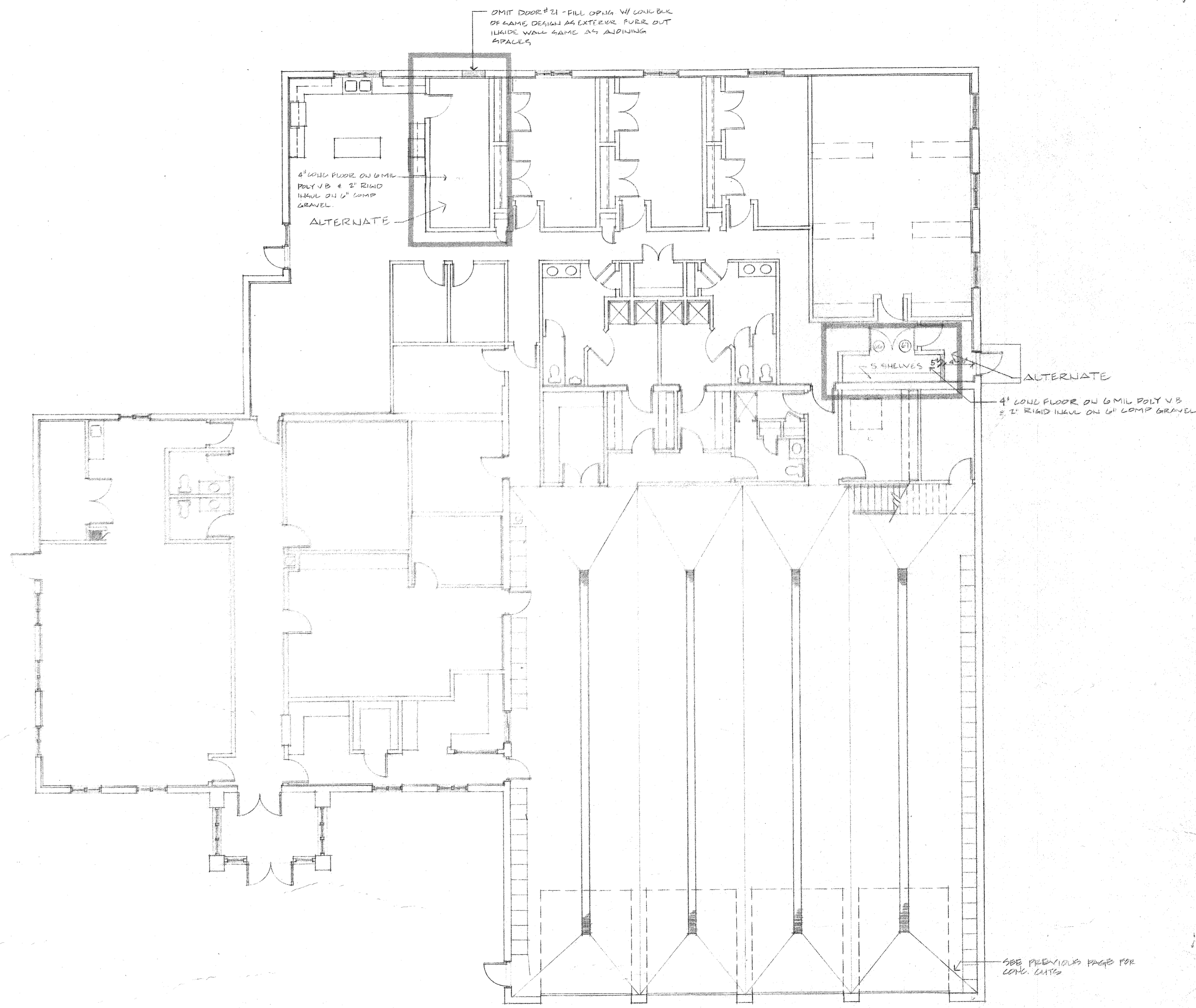
- △ No change
- △ APPROVED BY 10-2-93
- △ No change
- △ REVISION 2/18/93 REQUEST D-2003
- △ REVISION 4/18/93 REQUEST D-2003

3
2 10
2 10
20
92' 8" 10"

100
35
50
125.0 ft

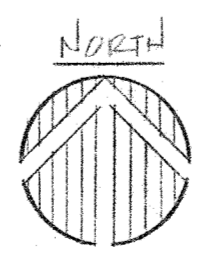
674



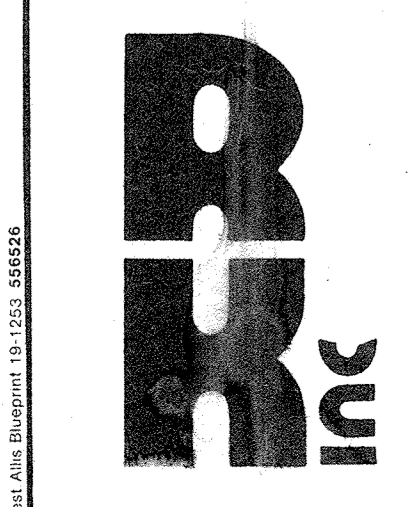


1
A4.1

FIRST FLOOR PLAN - ALTERNATE
1/8" = 1'-0"



CONTRACTOR NOTE:
ONLY PORTION OF THIS PLAN THAT DIFFERS FROM FIRST FLOOR PLAN IS THE AREA OF THE BASEMENT STAIRS. ALL OTHER SPACES REMAIN THE SAME INCLUDING DIMENSIONS



ROOM FINISH SCHEDULE

NAME	FLR	BASE	WALLS				CEILING		REMARKS
			N	E	S	W	MTL	HGT.	
BASEMENT	10	20	34	34	34	34	43	UNFINISHED	
VESTIBULE	12	21	30	30	30	30	42	7'-11"	
CORRIDOR	12	21	31	31	31	31	42	7'-11"	
TRAINING/MEETING	11	21	31	31	31	31	42	7'-11"	
CONFERENCE	11	21	31	31	31	31	42	7'-11"	
STORAGE #1	11	21	31	31	31	31	42	7'-11"	
MEN'S PUBLIC TOILET	13	23	32/31	32/31	32/31	32/31	41	7'-11"	
WOMEN'S PUBLIC TOILET	13	23	32/31	32/31	32/31	32/31	41	7'-11"	
RECEPTION	11	21	31	31	31	31	42	7'-11"	
STORAGE #2	11	21	31	31	31	31	42	7'-11"	
RADIO RM	11	21	31	31	31	31	42	7'-11"	
EMG OFFICE	11	21	31	31	31	31	42	7'-11"	
SUPERVISOR OFFICE	11	21	31	31	31	31	42	7'-11"	
FIRE DEPARTMENT OFFICE	11	21	31	31	31	31	42	7'-11"	
DAY ROOM	11	21	31	31	31	31	42	7'-11"	
DINING	12	21	31	31	31	31	42	7'-11"	
KITCHEN	12	21	31	31	31	31	42	7'-11"	
STAIR #1	12	21	31	31	31	31	42	7'-11"	
STORAGE #3	11	21	31	31	31	31	42	7'-11"	
STORAGE #4	11	21	31	31	31	31	42	7'-11"	
CORRIDOR #2	11	21	31	31	31	31	42	7'-11"	
PASSAGE #1	10	21	31	31	31	31	42	7'-11"	
SUBBAS CLEAN STORAGE	10	21	31	31	31	31	42	7'-11"	
INTERI DORM #1	11	21	31	31	31	31	42	7'-11"	
MEN'S TOILET ROOM	13	23	32/31	32/31	32/31	32/31	41	7'-11"	
MEN'S SHOWER ROOM	13	23	32/31	32/31	32/31	32/31	41	7'-11"	
MEN'S LOCKER ROOM	13	23	32	31	31	31	44	7'-11"	
INTERI DORM #2	11	21	31	31	31	31	42	7'-11"	
JANITOR	11	21	31	31	31	31	42	7'-11"	
INTERI DORM #3	11	21	31	31	31	31	42	7'-11"	
WOMEN'S TOILET ROOM	13	23	32/31	32/31	32/31	32/31	41	7'-11"	
WOMEN'S SHOWER RM	13	23	32/31	32/31	32/31	32/31	41	7'-11"	
WOMEN'S LOCKER RM	13	23	32	31	31	31	44	7'-11"	
TOILET ROOM	13	23	32	31	31	31	44	7'-11"	
EMG DORM	11	21	31	31	31	31	42	7'-11"	
PASSAGE #2	11	21	31	31	31	31	42	7'-11"	
STAIR #2	12	21	31	31	31	31	42	7'-11"	
DECONTAMINATION	13	23	32	31	31	31	43	7'-11"	
EMG STORAGE	10	21	30	30	30	30	44	7'-11"	
SHOP	10	21	30	30	30	30	44	7'-11"	
CORRIDOR #3	10	21	30	30	30	30	44	7'-11"	
HOLD STORAGE	10	21	30	30	30	30	42	7'-11"	
APPARATUS	10	20	30	30	30	30	43	—	
MEZZANINE	10	20	30	30	—	30	43	—	

FLOOR: 10 CONCRETE, 11 CARPET, 12 VINYL TILE, 13 CERAMIC TILE, 20 NONE, 21 VINYL, 22 WOOD, 23 CERAMIC TILE, 30 PAINTED BRICK, 31 PAINTED DRYWALL, 32 CERAMIC TILE, 34 NONE, 40 NONE, 41 PAINTED DRYWALL, 42 ADJUSTABLE TILE, 43 PAINTED STRUCTURE, 44 TEXTURED PAINT.

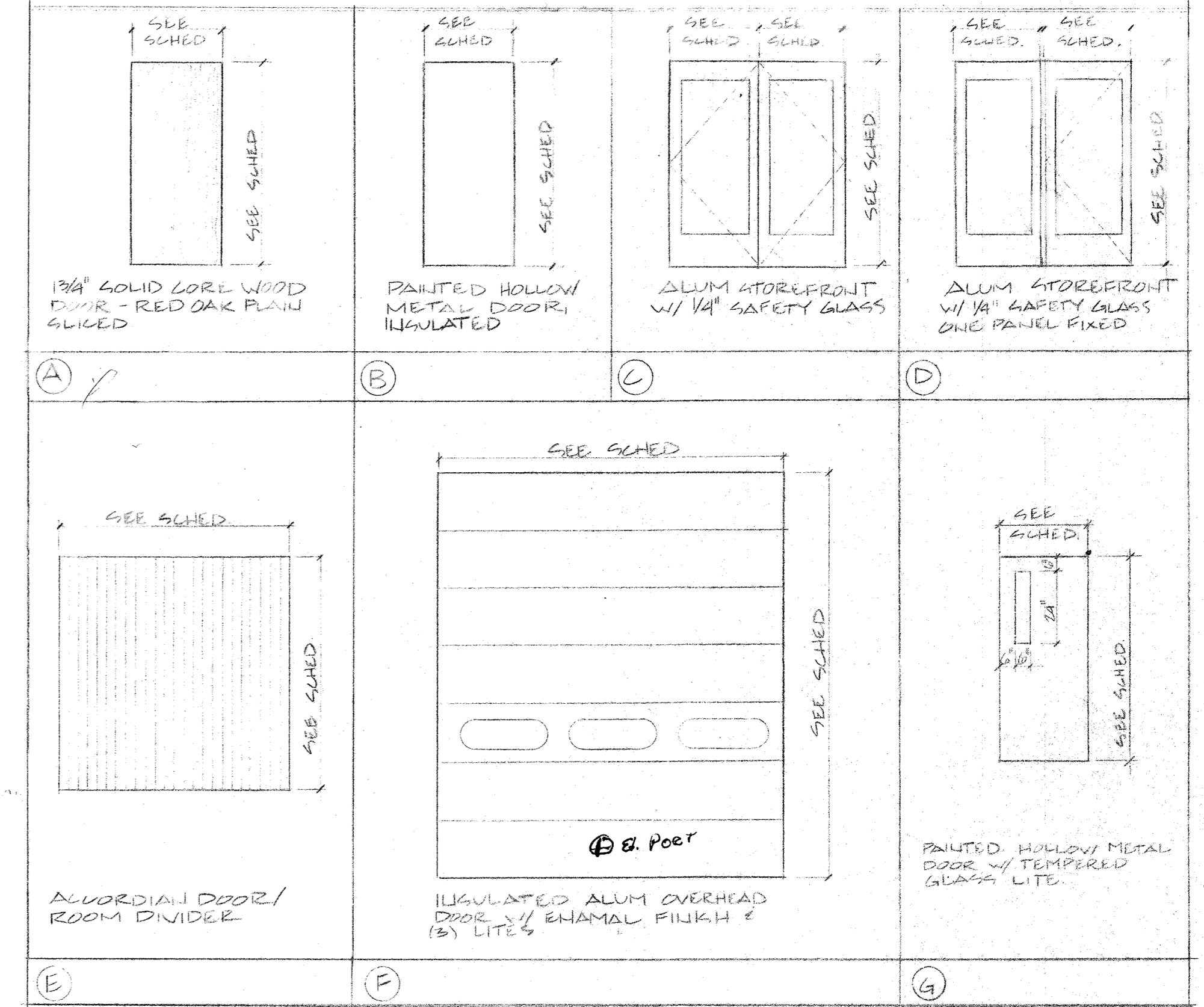
* DO NOT USE CURING AGENTS ON CONC FLOOR IN THIS AREA

DOOR SCHEDULE

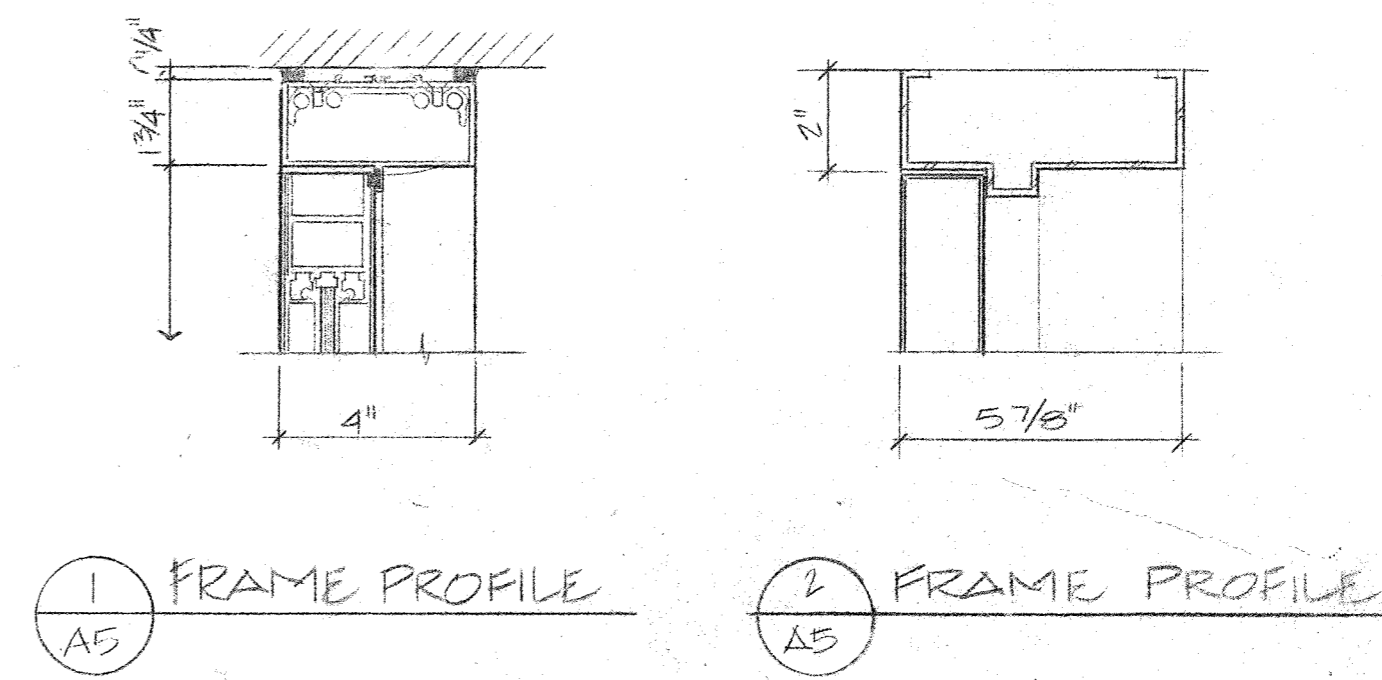
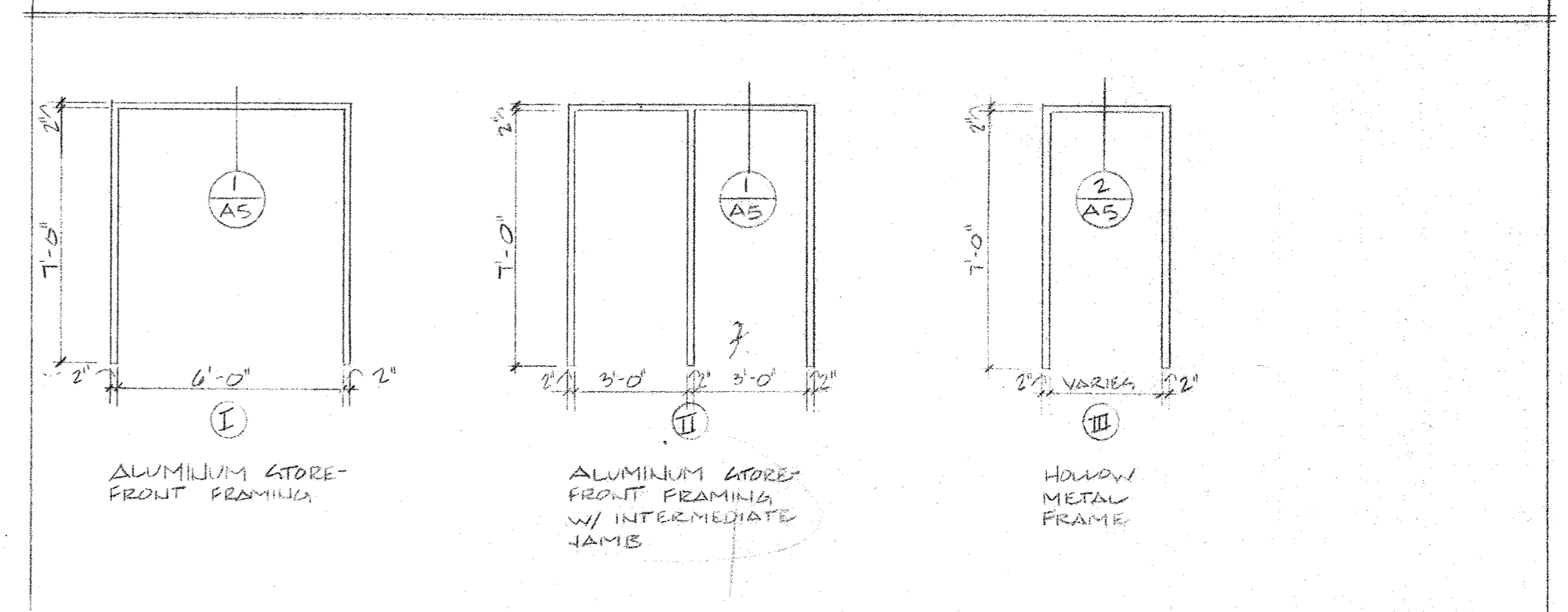
NO.	DOOR	TYPE	GRILLE	FRAME	FIRE RATING	REMARKS
1A/B	(2) 3'-0" x 7'-0"	C		I		WSX10 LINTEL W/ 11" x 1/4" PLATE
2A/B	(2) 3'-0" x 7'-0"	C		I		
3	3'-0" x 7'-0"	G		III		
4	3'-4" x 7'-0"	B		III		BUTTON - COMBINATION LOCK
5	3'-0" x 7'-0"	E		III		ALUMINUM STOREFRONT
6A/B	(2) 3'-0" x 7'-0"	E		III		
7	3'-0" x 7'-0"	G		III		
8	3'-0" x 7'-0"	A		III		
9	3'-0" x 7'-0"	A		III		
10	3'-0" x 7'-0"	G		III		
11	3'-0" x 7'-0"	A		III		
12	3'-0" x 7'-0"	G		III		
13	3'-0" x 7'-0"	G		III		
14	3'-0" x 7'-0"	G		III		
15	3'-0" x 7'-0"	G		III		
16	3'-0" x 7'-0"	G		III		
17	3'-0" x 7'-0"	A		III	1 HR	
18	(2) 2'-10" x 7'-0"	D		III		BUTTON - COMBINATION LOCK
19	(2) 2'-10" x 7'-0"	D		III		BUTTON - COMBINATION LOCK
20	2'-10" x 7'-0"	A		III	1 HR	
21	3'-0" x 7'-0"	B		III		BUTTON - COMBINATION LOCK
22	2'-10" x 7'-0"	A		III	1 HR	
23	2'-10" x 7'-0"	A		III		
24	1'-6" x 7'-0"	A		III		
25	3'-0" x 7'-0"	B		III		
26	3'-0" x 7'-0"	B		III		
27	3'-0" x 7'-0"	B		III		
28	3'-0" x 7'-0"	A		III	1 HR	
29A/B	(2) 2'-4" x 7'-0"	A		III		
30A/B	(2) 2'-4" x 7'-0"	A		III		
31	1'-6" x 7'-0"	A		III		
32	3'-0" x 7'-0"	A		III	1 HR	
33A/B	(2) 2'-4" x 7'-0"	A		III		
34A/B	(2) 2'-4" x 7'-0"	A		III		
35	NOT USED					
36	3'-0" x 7'-0"	A		III	1 HR	
37A/B	(2) 2'-4" x 7'-0"	A		III		
38A/B	(2) 2'-4" x 7'-0"	A		III		
39	3'-0" x 7'-0"	A		III		
40	2'-4" x 7'-0"	A		III		
41	3'-0" x 7'-0"	A		III		8 X 16 DOOR GRILLES
42	3'-0" x 7'-0"	B		III		
43	3'-0" x 7'-0"	B		III		
44A/B	(2) 2'-6" x 7'-0"	B		III		
45A/B	(2) 2'-6" x 7'-0"	A		III		
46	3'-0" x 7'-0"	A		III		
47	2'-4" x 7'-0"	A		III		
48	3'-0" x 7'-0"	A		III		8 X 16 DOOR GRILLES
49	3'-0" x 7'-0"	B		III		
50	3'-0" x 7'-0"	B		III		
51	3'-0" x 7'-0"	B		III		
52	1'-6" x 7'-0"	B		III		
53	3'-0" x 7'-0"	B		III		
54	3'-0" x 7'-0"	B		III		
55	3'-0" x 7'-0"	B		III		
56	3'-0" x 7'-0"	A		III	1 HR	
57	3'-0" x 7'-0"	A		III	1 HR	
58	3'-0" x 7'-0"	B		III	1 HR	
59	3'-0" x 7'-0"	B		III		BUTTON - COMBINATION LOCK
60	3'-0" x 7'-0"	B		III		
61	3'-0" x 7'-0"	B		III		
62	12'-0" x 14'-0"	F				BUTTON - COMBINATION LOCK
63	12'-0" x 14'-0"	F				WSX15 LINTEL W/ 13'-0" x 11'-0" x 1/4" PLATE
64	12'-0" x 14'-0"	F				WSX15 LINTEL W/ 13'-0" x 11'-0" x 1/4" PLATE
65	12'-0" x 14'-0"	F				WSX15 LINTEL W/ 13'-0" x 11'-0" x 1/4" PLATE
66	3'-0" x 7'-0"	A		III		
67	3'-0" x 7'-0"	A		III		
68	3'-0" x 7'-0"	B		III	1 HR	
69	3'-0" x 7'-0"	B		III	1 HR	

* OMIT IF ALTERNATE IS CHOSEN
 ** ADD IF ALTERNATE IS CHOSEN
 *** W 8 X 10 LINTEL W/ 9" x 1/4" PLATE

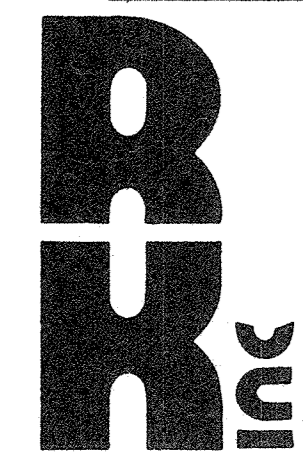
DOOR TYPES

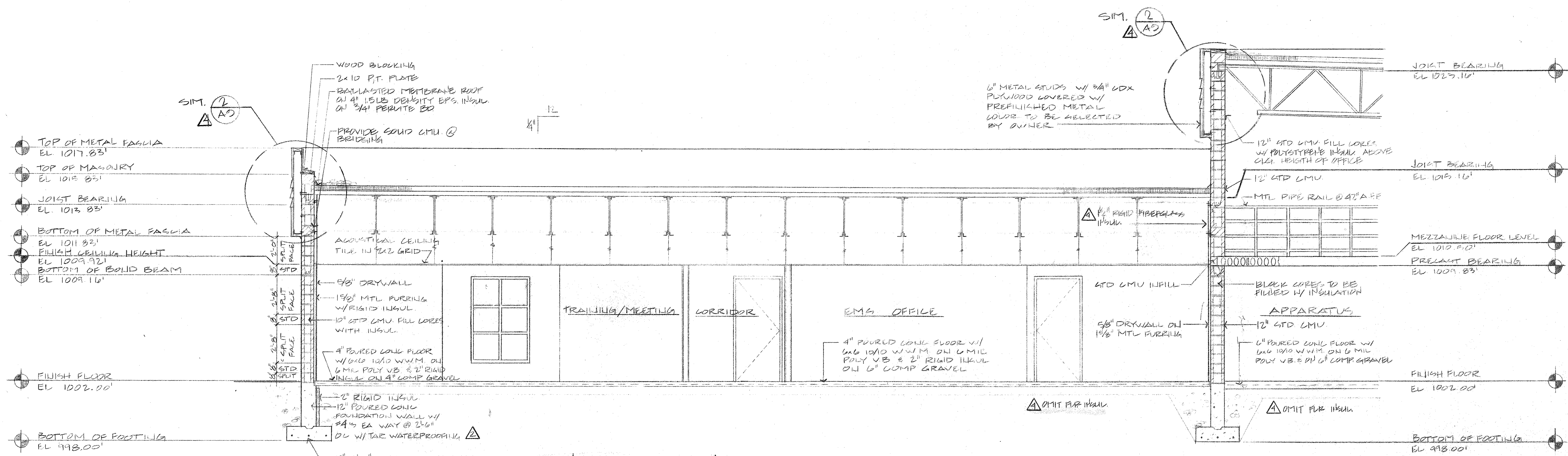


FRAMES



△ NO CHANGE
 △ NO CHANGE
 △ NO CHANGE
 △ REVISION OTHERS REQUEST U-203
 △ NO CHANGE

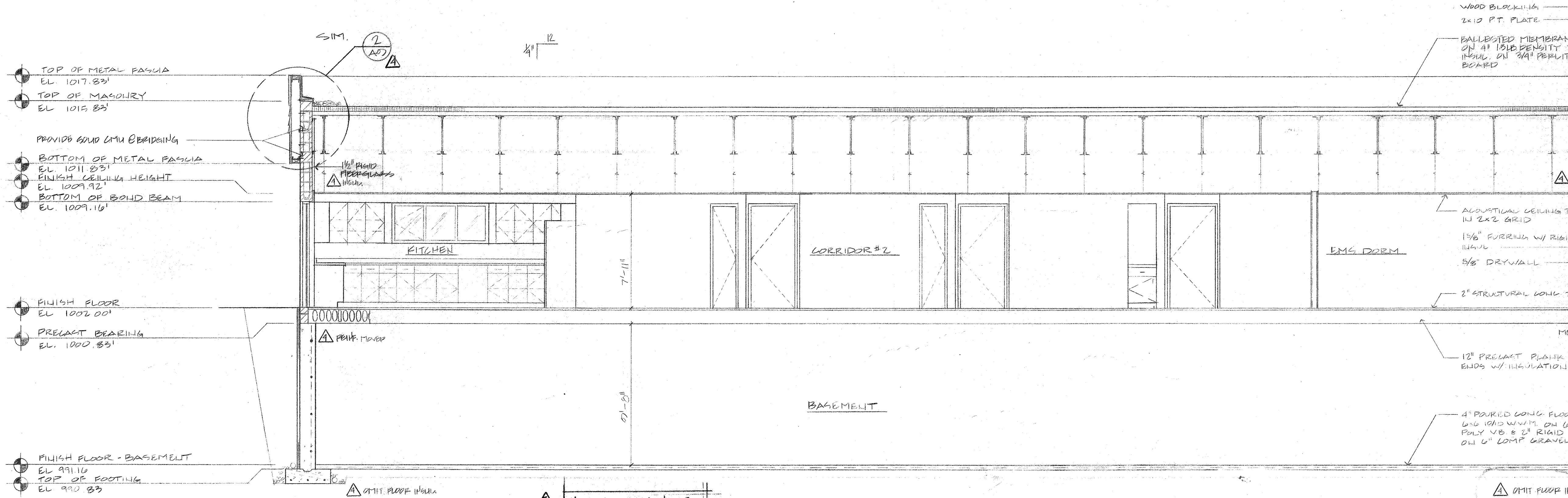




BUILDING SECTION
1/4" = 1'-0"

NOTE: ALL BLOCK WALLS SHALL HAVE HORIZ. REIN. @ EVERY 2ND COURSE - ALL EXTERIOR BLOCK WALLS SHALL HAVE VERT. REIN. @ 4'-0" O.C. SEE 4/A7

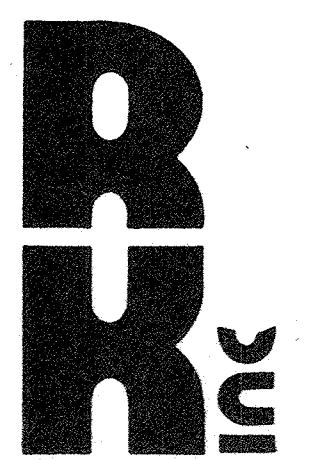
8740
1007.83
67
134
68
8.14



BUILDING SECTION
1/4" = 1'-0"

NOTE: ALL BLOCK WALLS SHALL HAVE HORIZ. REIN. @ EVERY 2ND COURSE - ALL EXTERIOR BLOCK WALLS SHALL HAVE VERT. REIN. @ 4'-0" O.C. SEE 4/A7

- △ NO CHANGE
- △ APPENDIX NO. 2 3-18-93
- △ NO CHANGE
- △ REVISION OVERSIGHT PERMIT U-2-93
- △ NO CHANGE



TOP METAL FACIA
EL. 1024.50'

BOTTOM METAL FACIA
EL. 1018.50'

TOP METAL FACIA
EL. 1017.83'

JOIST BEARING
EL. 1013.83'

BOTTOM METAL FACIA
EL. 1011.83'

FINISH CEILING HEIGHT
EL. 1009.92'

BOTTOM OF R.O.L.D. BM.
EL. 1009.16'

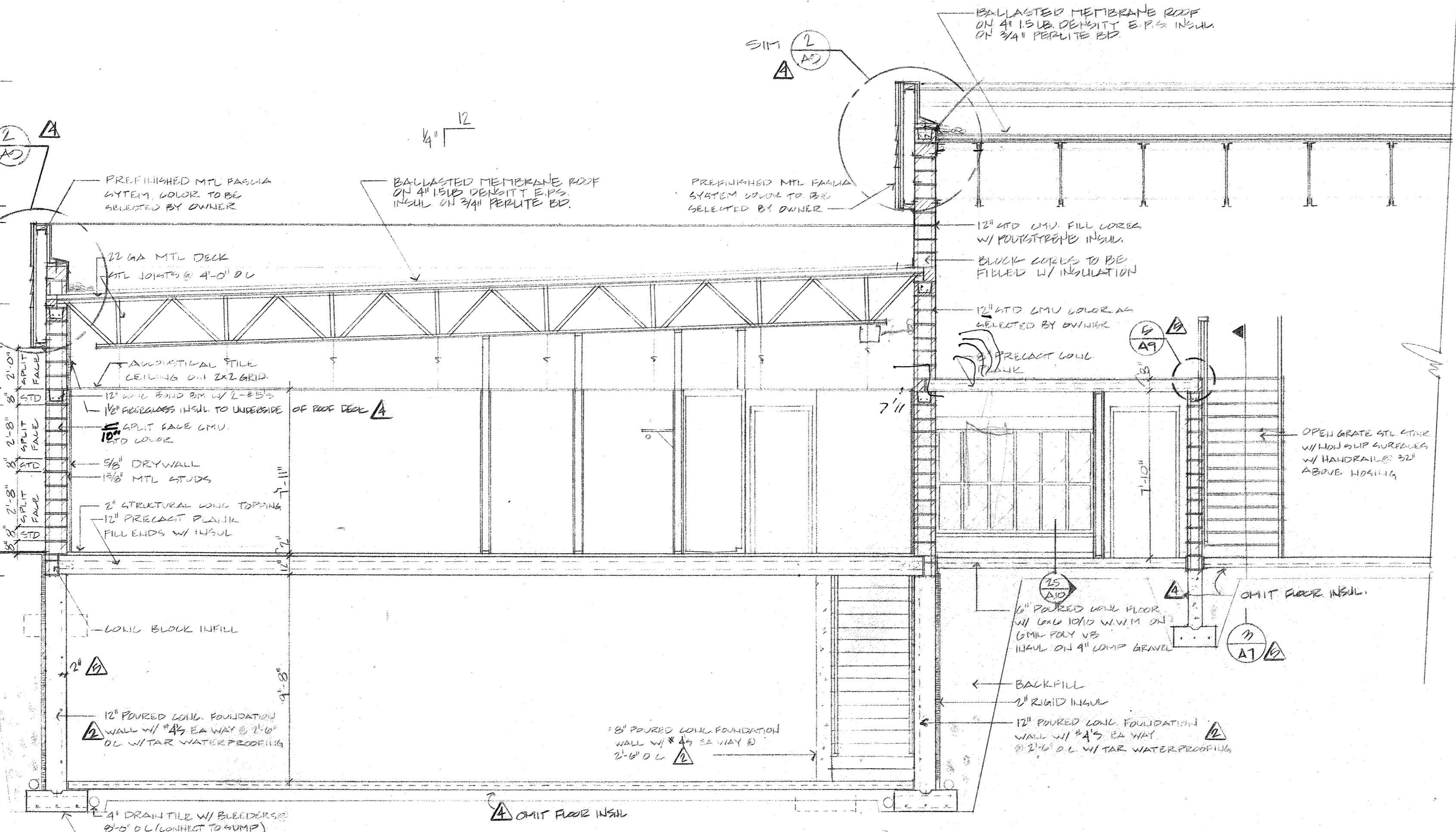
FINISH FLOOR
EL. 1002.00'

PRECAST BEARING
EL. 1000.83'

ALT. BOTTOM OF STA.
EL. 998.00'

FINISH FLOOR - B.S.M.T.
EL. 991.16'

TOP OF FOOTING
EL. 990.83'



BUILDING SECTION
1/4" = 1'-0"

NOTE: ALL BLOCK WALLS SHALL HAVE HORIZ. REINF. @ EVERY 2ND COURSE - ALL EXTERIOR BLOCK WALLS SHALL HAVE VERT. REINF. @ 4'-0" O.C. - SEE 4/A1

METAL FACIA SYSTEM PREFINISHED, COLOR TO BE SELECTED BY OWNER

BLOCK CORES TO BE FILLED W/ INSULATION

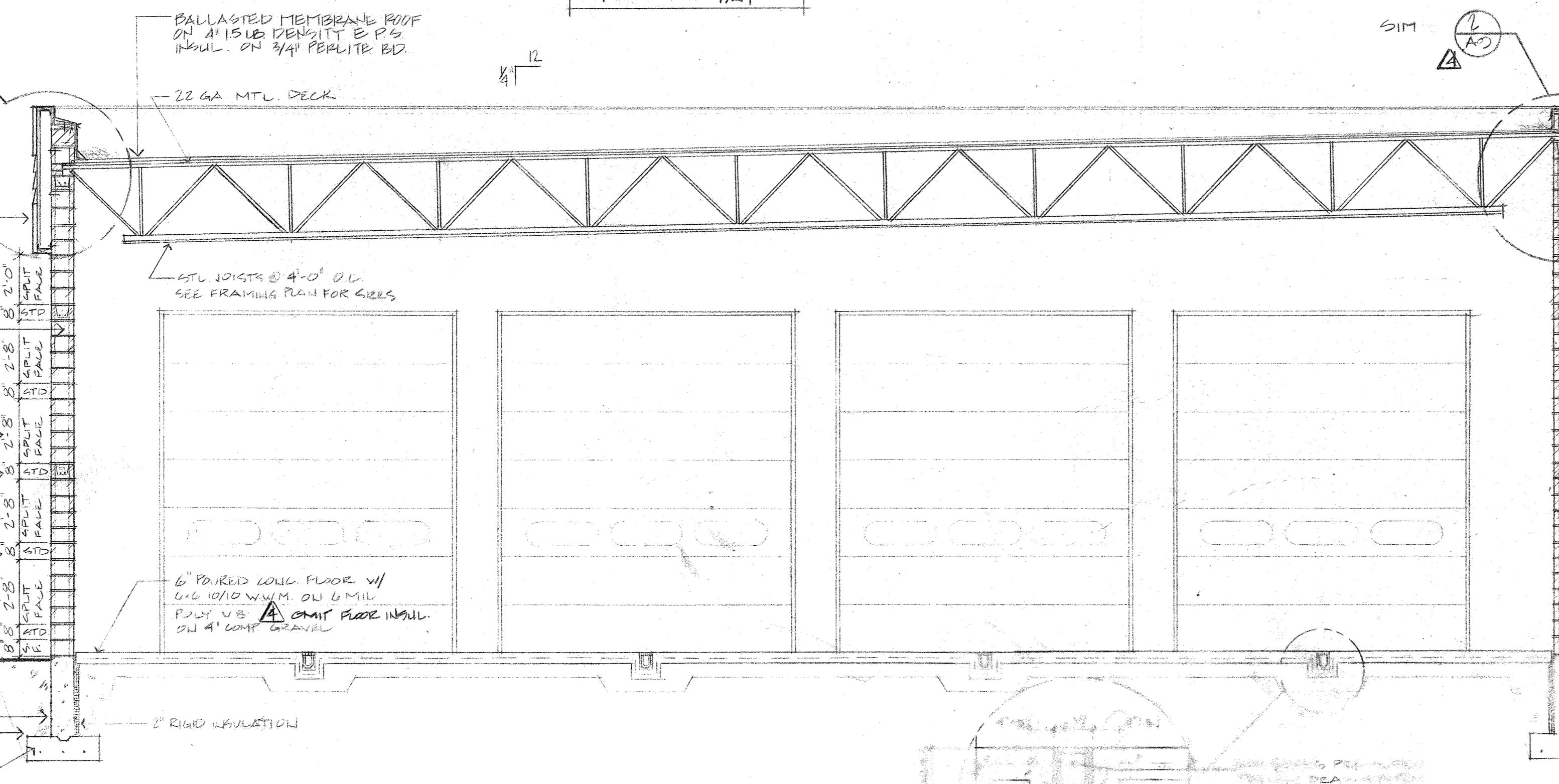
12" SPLIT FACE CMU STANDARD COLOR

12" STANDARD FACE BOLID BEAM COLOR AS SELECTED BY OWNER

12" STANDARD CMU COLOR AS SELECTED BY OWNER

POURED CONG. FOUNDATION WALL W/ #3 REBAR 2'-0" O.C. EACH WAY

BACKFILL CONG. FOOTING W/ #3 REBAR EA WAY



BUILDING SECTION
1/4" = 1'-0"

NOTE: ALL BLOCK WALLS SHALL HAVE HORIZ. REINF. @ EVERY 2ND COURSE - ALL EXTERIOR BLOCK WALLS SHALL HAVE VERT. REINF. @ 4'-0" O.C. - SEE 4/A1

TOP MTL FACIA
EL. 1024.50'

JOIST BEARING
EL. 1023.16'

JOIST BEARING
EL. 1021.83'

BOTTOM MTL FACIA
EL. 1018.50'

BOTTOM OF BOLID BM.
EL. 1015.83'

BOTTOM OF BOLID BM.
EL. 1009.16'

FINISH FLOOR
EL. 1002.00'

TOP OF POURED WALL
EL. 1001.83'

998.00

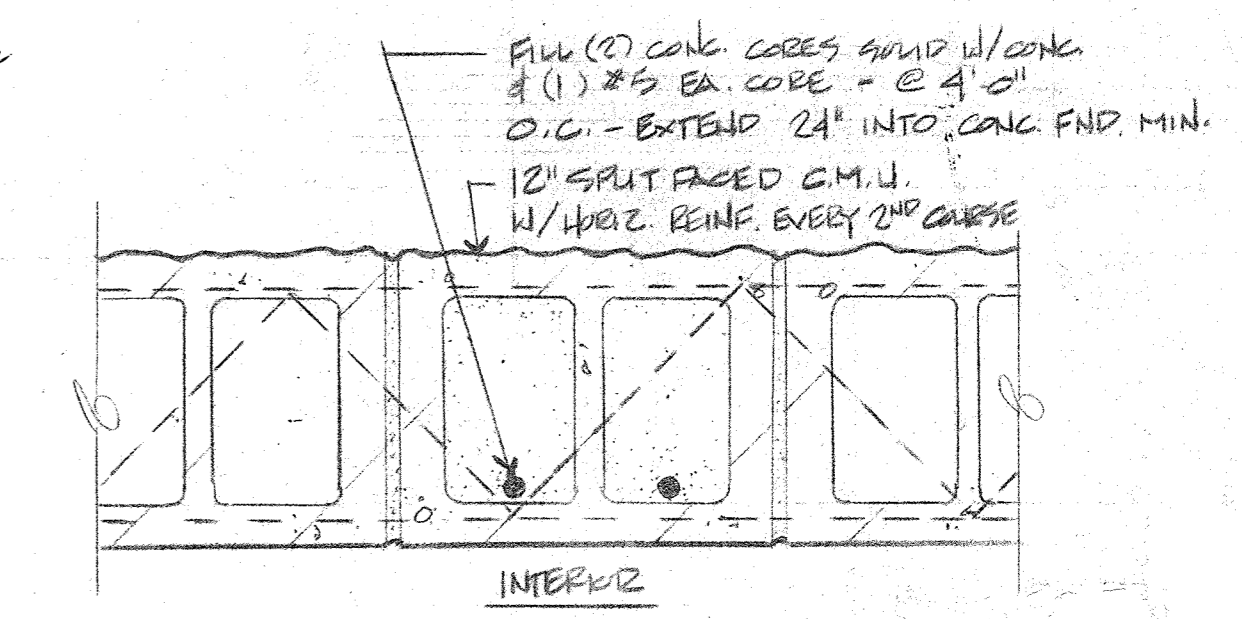
21' 1 1/2" off finish floor

19' 9 3/4" off finish floor

15' 9 3/4" off finish floor

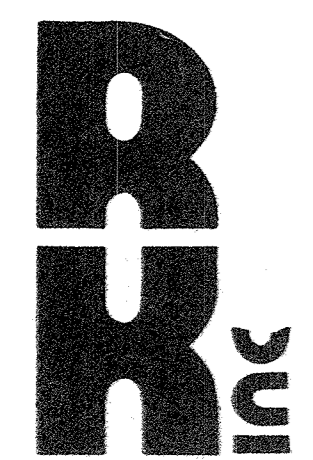
7' 1 1/2" off finish floor

STAIR @ MEZZANINE
2 1/8" = 1'-0"

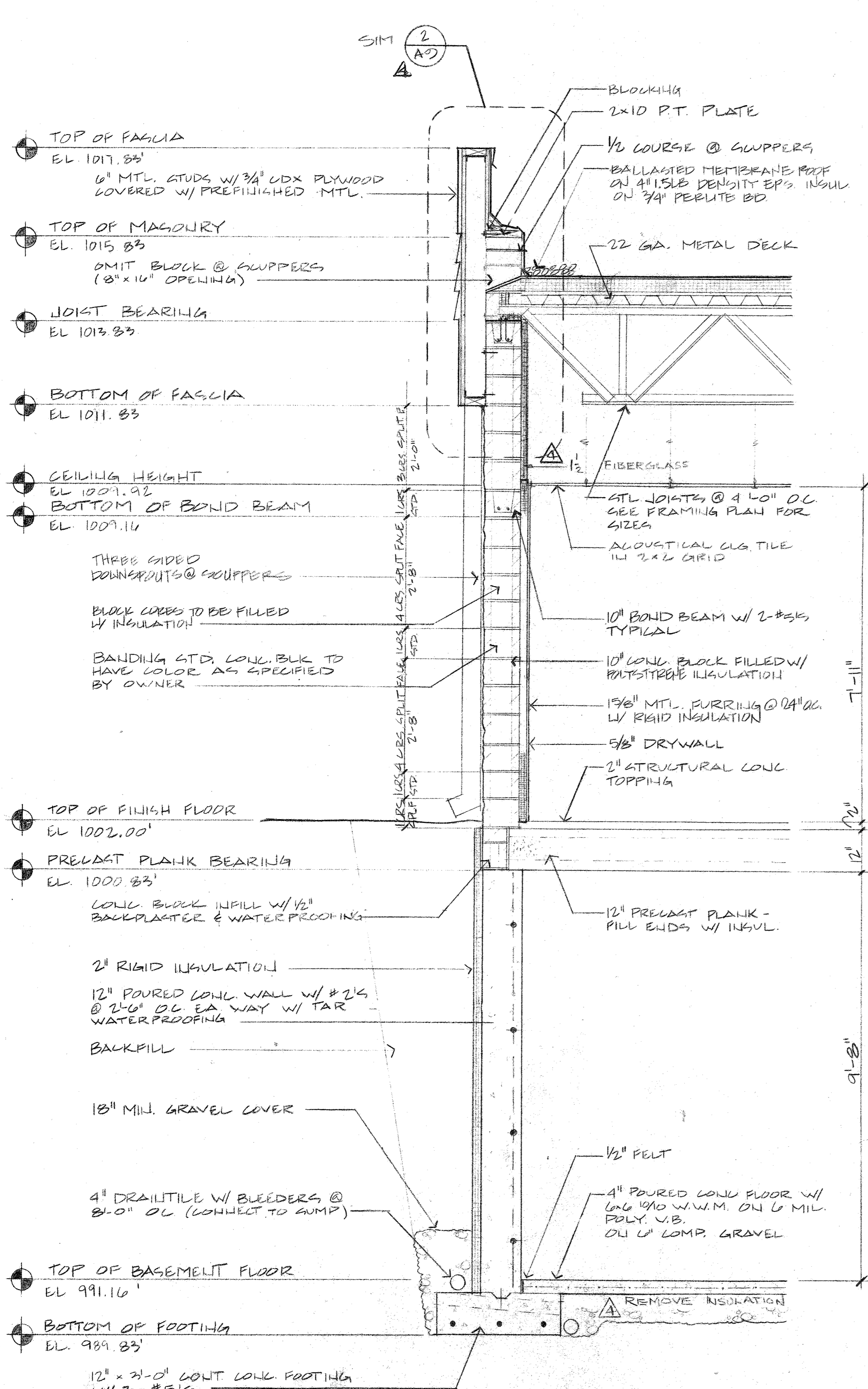


VERTICAL REINF. @ EXTERIOR WALLS
1/2" = 1'-0"

- △ 2/12/93 NO CHANGE
- △ 2/18/93 PER APPENDIX No 2
- △ 4/13/93 NO CHANGE
- △ 6/2/93 PER OWNER
- △ 6/2/93 PER CITY

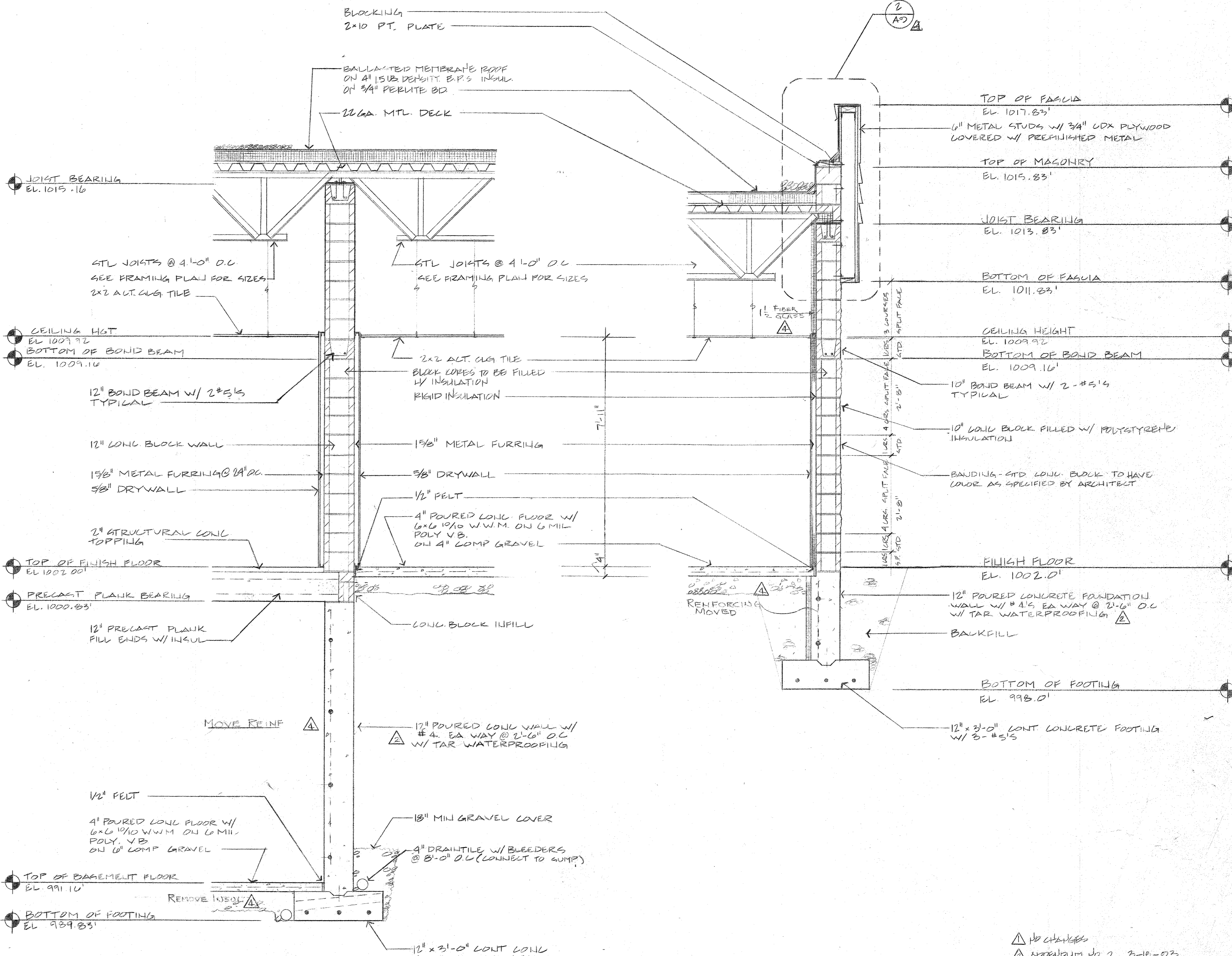


14
1010.50
1009.83
1.67



1 WALL SECTION
1/2" = 1'-0"

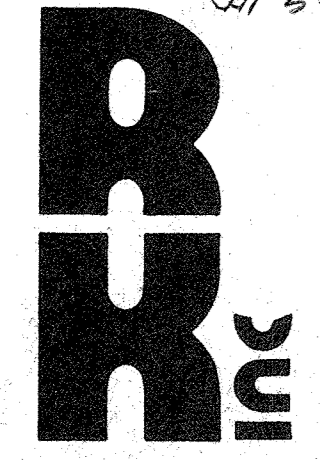
NOTE: ALL BLOCK WALLS SHALL HAVE HORIZ. REIN. @ EVERY 2ND COURSE - ALL EXTERIOR BLOCK WALLS SHALL HAVE VERT. REIN. @ 4'-0" O.C. SEE 1/A1



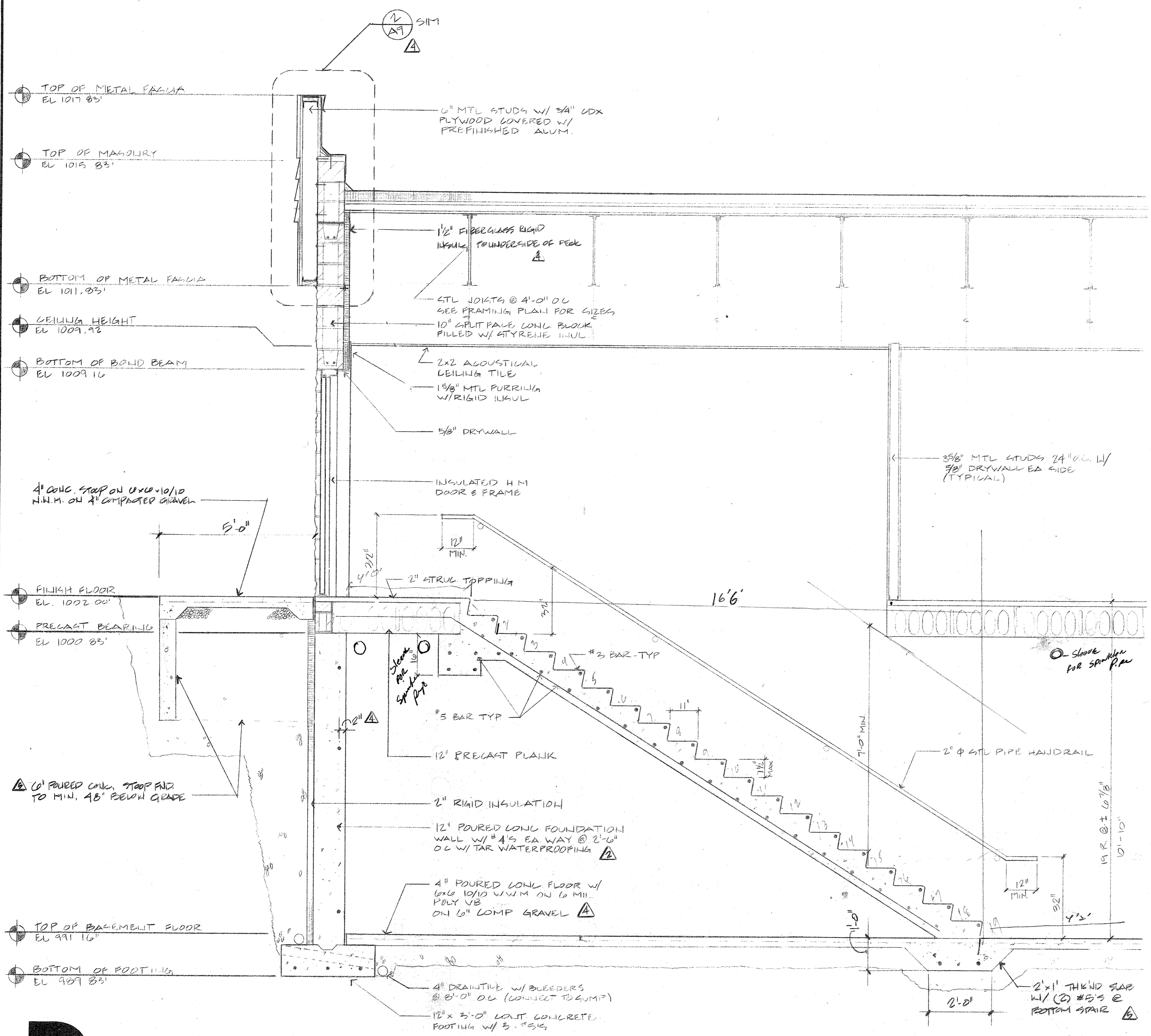
2 WALL SECTION
1/2" = 1'-0"

3 WALL SECTION
1/2" = 1'-0"

△ NO CHANGE
△ APPROVAL NO. 2 3-18-93
△ NO CHANGE
△ REVISION ON PERMANENT 6-2-93
△ NO CHANGE



11
11
11
11



R
K
INC.

RUGG · KNOPP INC. ARCHITECTS · ENGINEERS

21500 W. GREENFIELD AVE. NEW BERLIN, WISCONSIN 53146

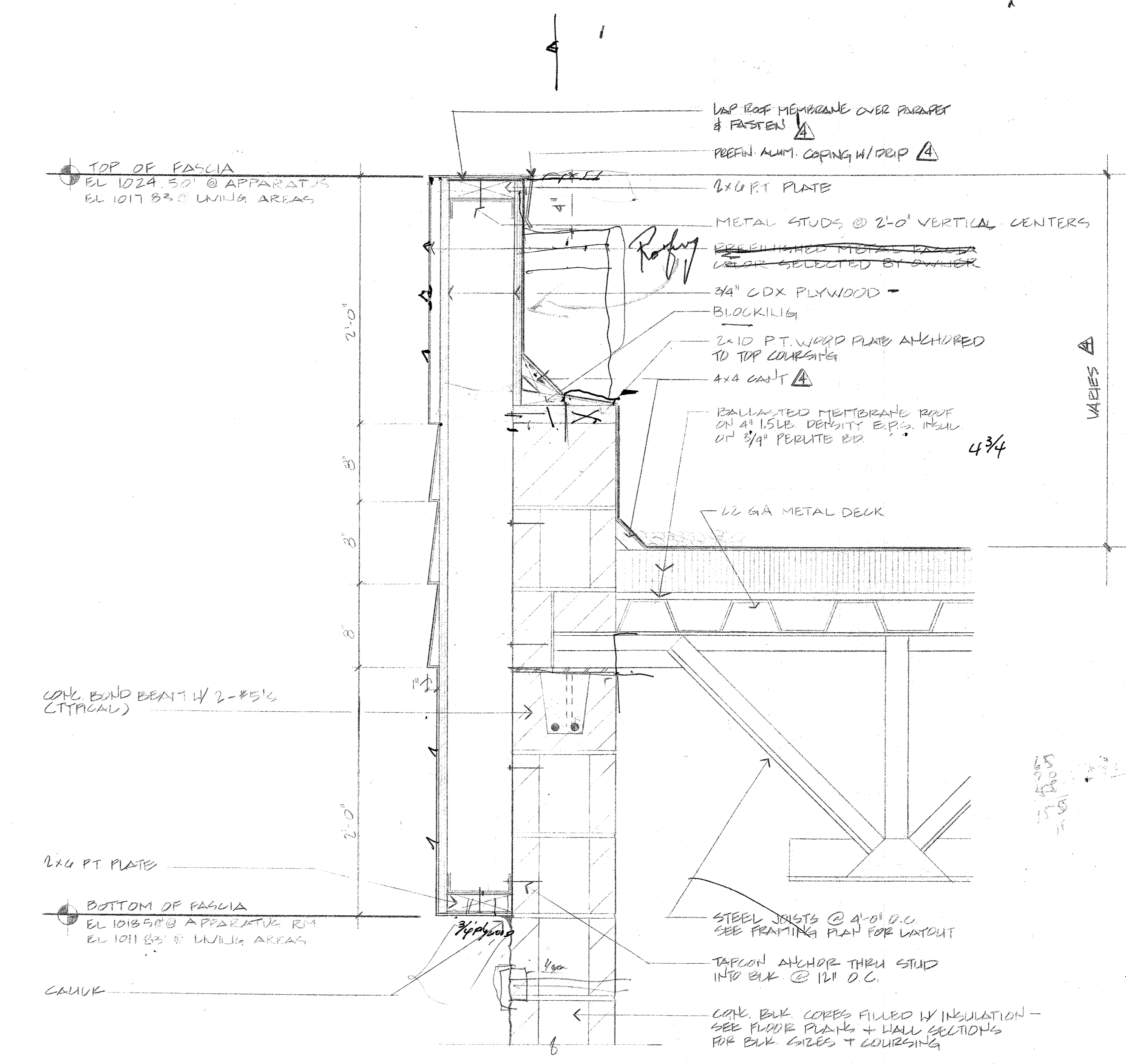
JOB NO. 9203

DATE 2-18-93

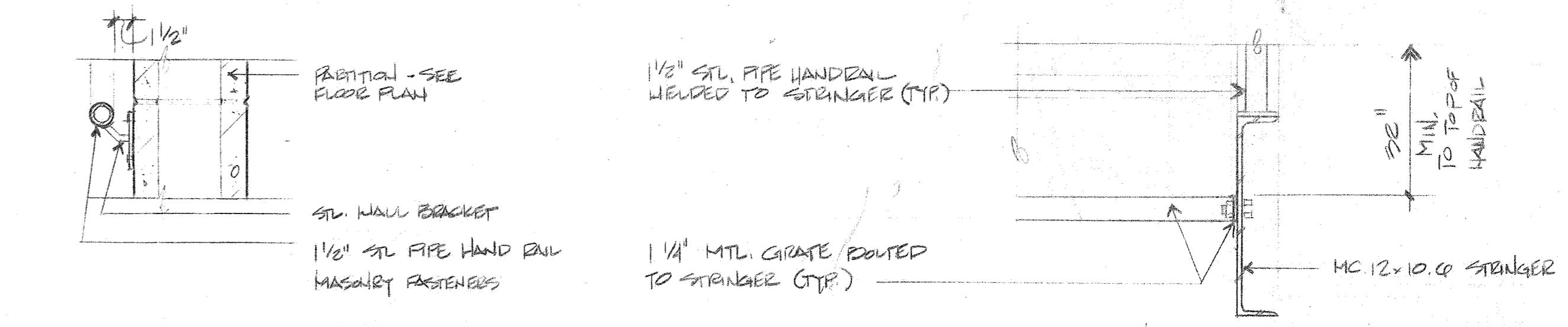
SHEET A9

STAIR SECTION
1/2" = 1'-0"

NOTE: ALL BACK WALLS SHALL HAVE HORIZ. REIN. @ EVERY 2ND COURSE. ALL EXTERIOR BLOCK WALLS SHALL HAVE VERT. REIN. @ 4'-0" O.C. SEE 1/A7

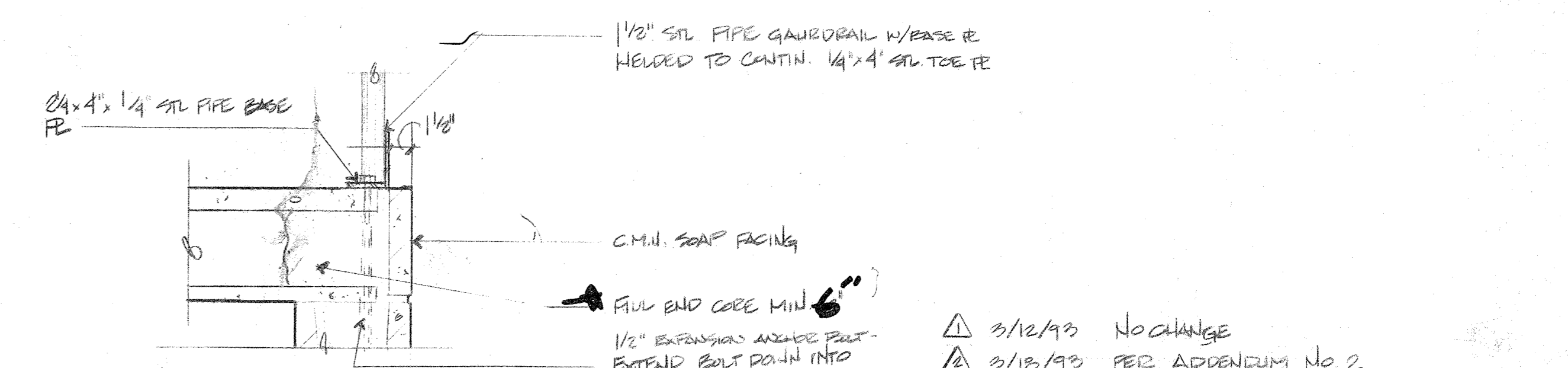


METAL FASCIA DETAIL
1 1/2" = 1'-0"



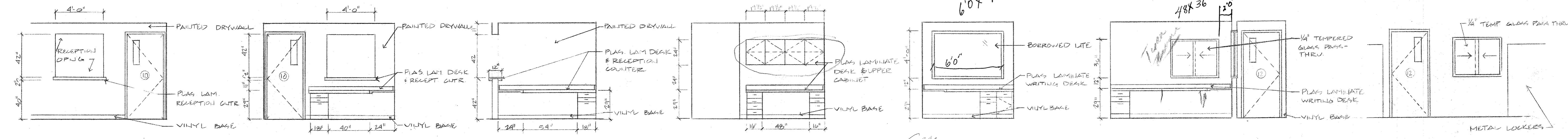
HANDRAIL @ MASONRY DETAIL
1/2" = 1'-0"

HANDRAIL @ METAL STAIR
1/2" = 1'-0"

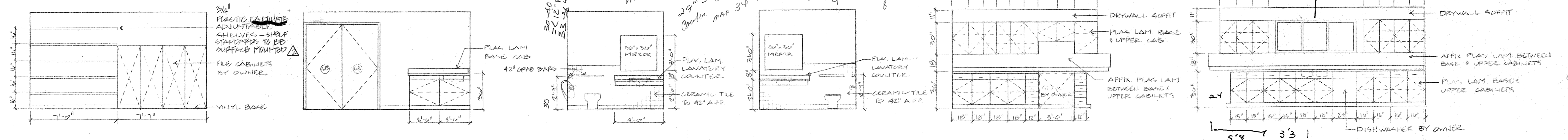


GUARDRAIL DETAIL @ MEZZ.
1/2" = 1'-0"

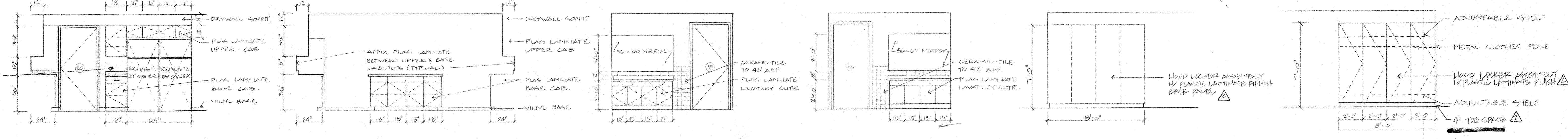
- △ 3/12/93 NO CHANGE
- △ 3/13/93 PER APPENDIX No 2
- △ 4/15/93 NO CHANGE
- △ 6/12/93 PER OWNER
- △ 6/12/93 PER CITY?



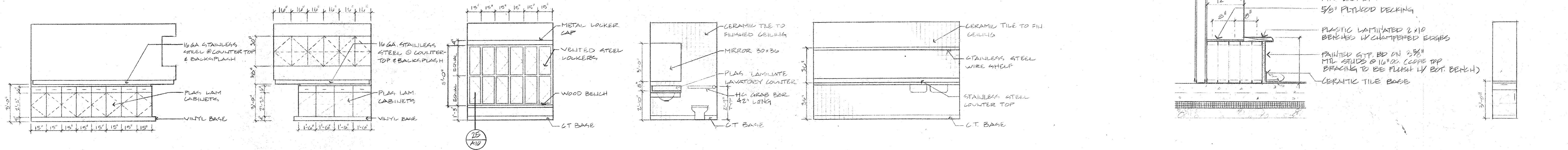
1 CORRIDOR #1 1/4"=1'-0" 2 RECEPTION RM 1/4"=1'-0" 3 RECEPTION RM. 1/4"=1'-0" 4 RADIO RM. 1/4"=1'-0" 5 RADIO RM. 1/4"=1'-0" 6 RADIO RM. 1/4"=1'-0" 7 APPARATUS RM. 1/4"=1'-0"



8 EMS OFFICE 1/4"=1'-0" 9 CONFERENCE RM. 1/4"=1'-0" 10 PUBLIC TLT. 1/4"=1'-0" 11 PUBLIC TLT. 1/4"=1'-0" 12 KITCHEN 1/4"=1'-0" 13 KITCHEN 1/4"=1'-0"

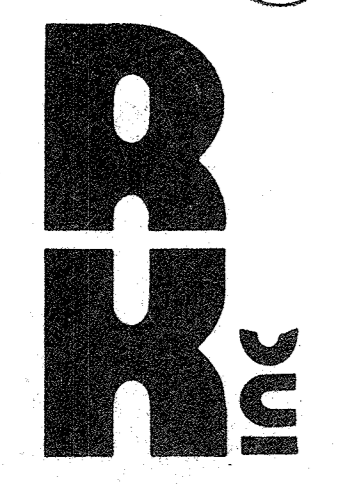


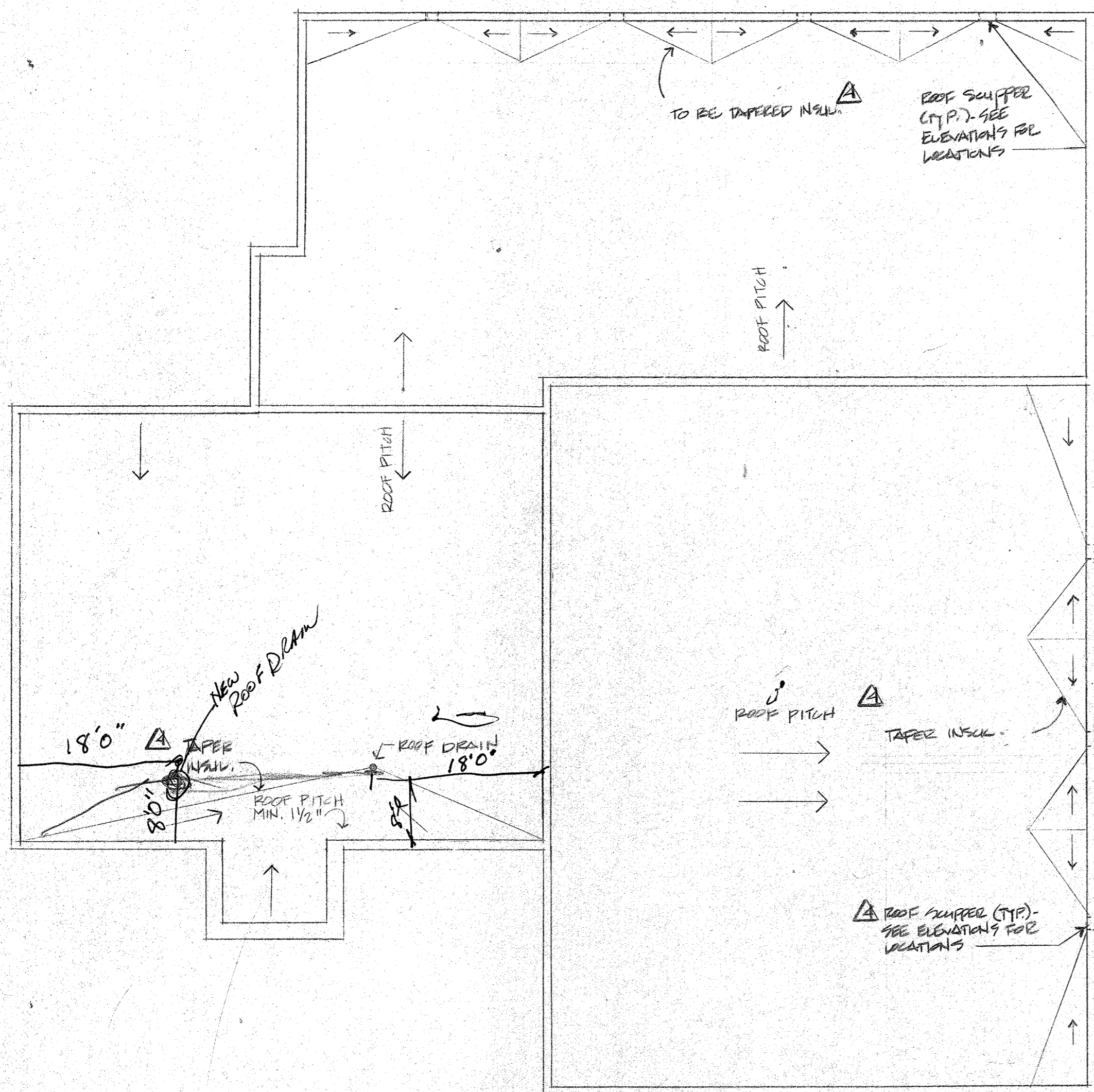
14 KITCHEN ELEV. 1/4"=1'-0" 15 KITCHEN ELEV. 1/4"=1'-0" 16 MEN'S TLT. RM. 1/4"=1'-0" 17 WOMEN'S TLT. RM. 1/4"=1'-0" 18 EMS DORM 1/4"=1'-0" 19 EMS DORM 1/4"=1'-0"



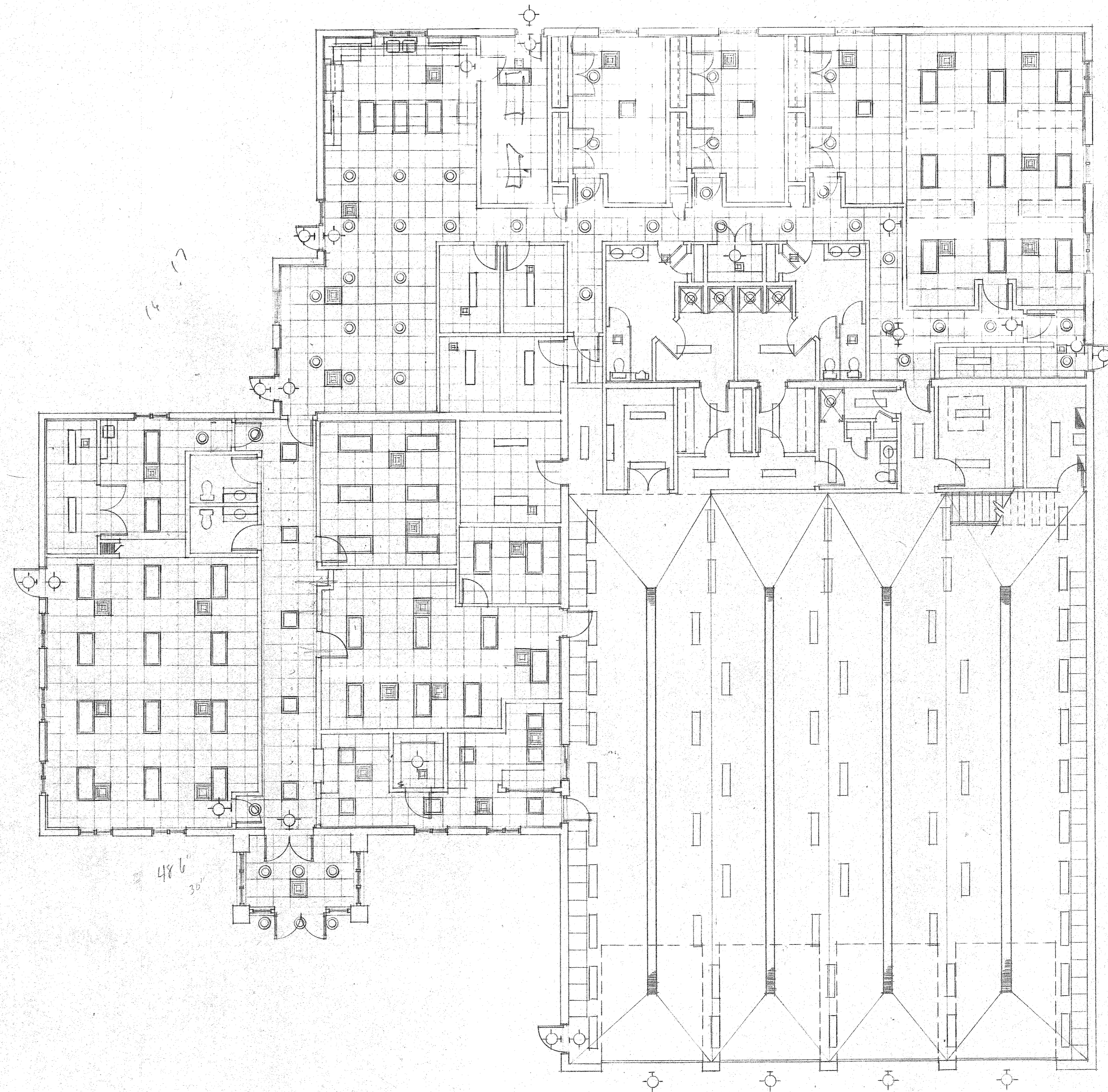
20 SHOP ELEV. 1/4"=1'-0" 21 SHOP ELEV. 1/4"=1'-0" 22 LOCKER RM. ELEV. 1/4"=1'-0" 23 TOILET RM. ELEV. 1/4"=1'-0" 24 DECONTAMINATION ELEV. 1/4"=1'-0" 25 BENCH DETAIL @ LOCKERS 3/4"=1'-0" 26 WATCH DESK 1/4"=1'-0"

- △ NO CHANGE
- △ ADDENDUM PR 2 3-10-93
- △ NO CHANGE
- △ NO CHANGE
- △ NO CHANGE





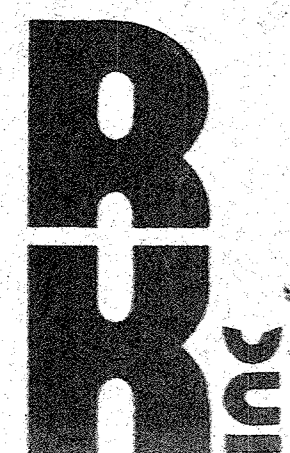
2 ROOF PLAN
All 3/32'-1'-0"

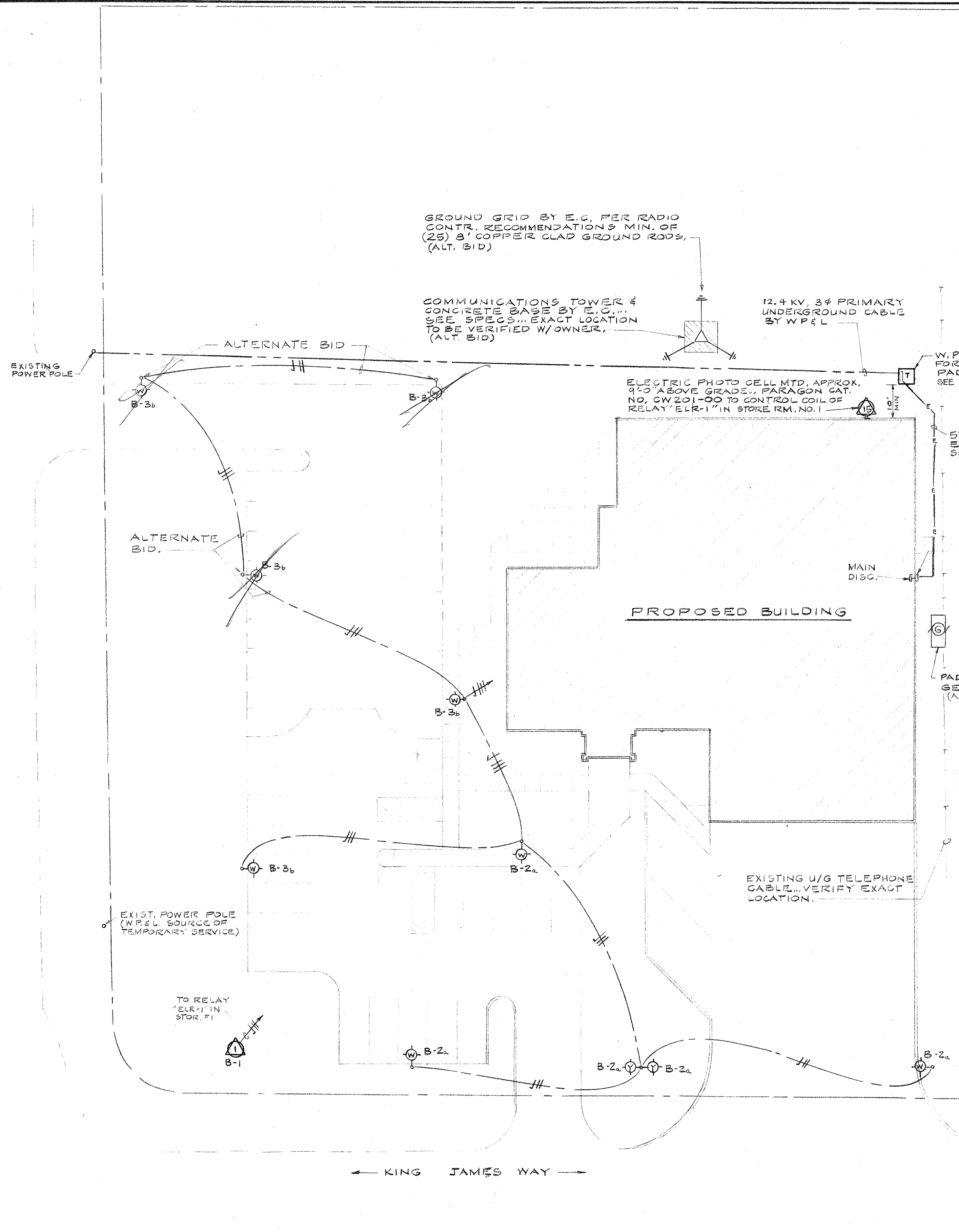


1 REFLECTED CEILING PLAN
All 1/8" = 1'-0"

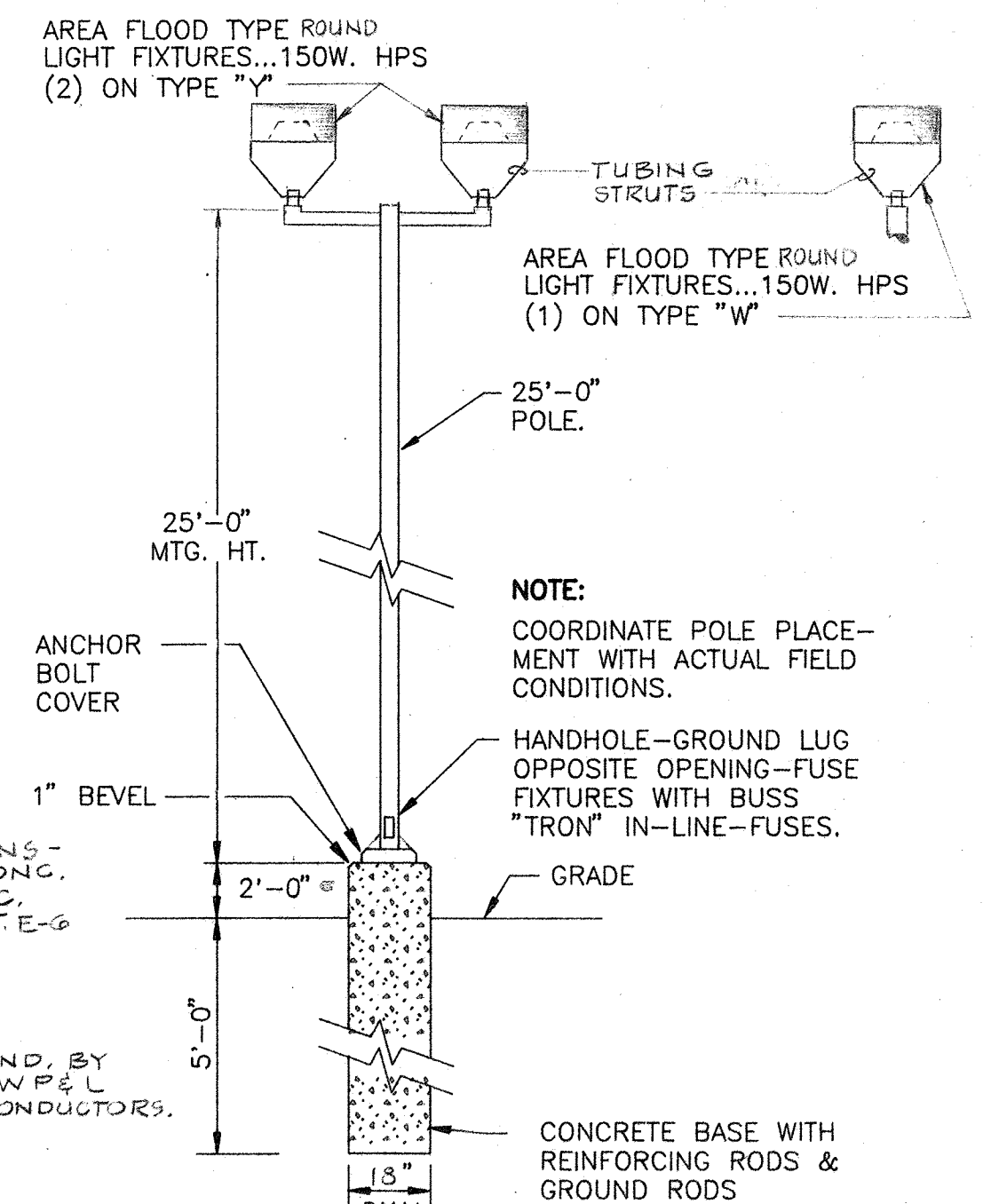


- △ 3/12/93 NO CHANGE
- △ 3/16/93 NO CHANGE
- △ 4/5/93 NO CHANGE
- △ 6/2/93 PER OWNER
- △ 6/12/93 NO CHANGE

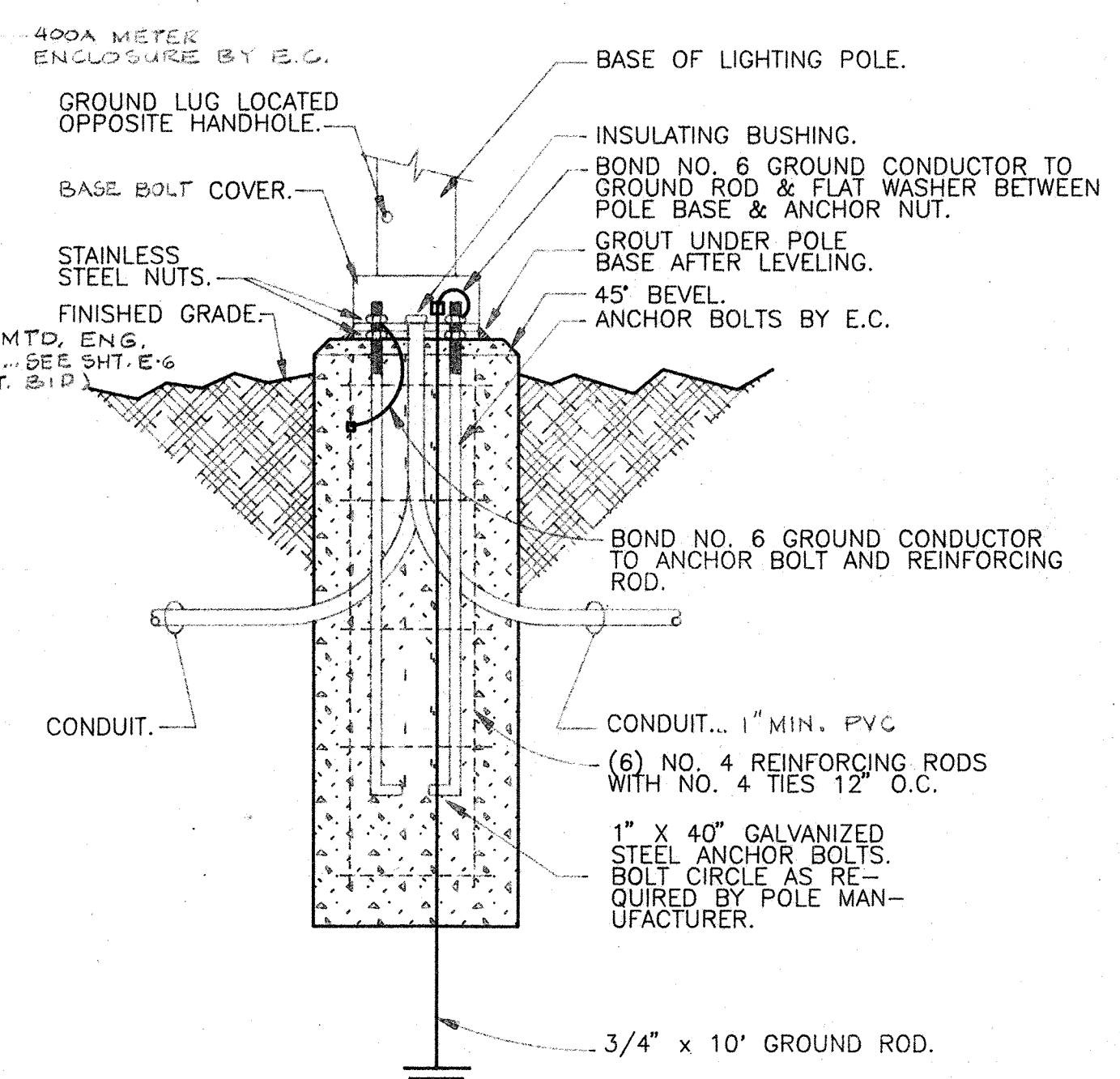




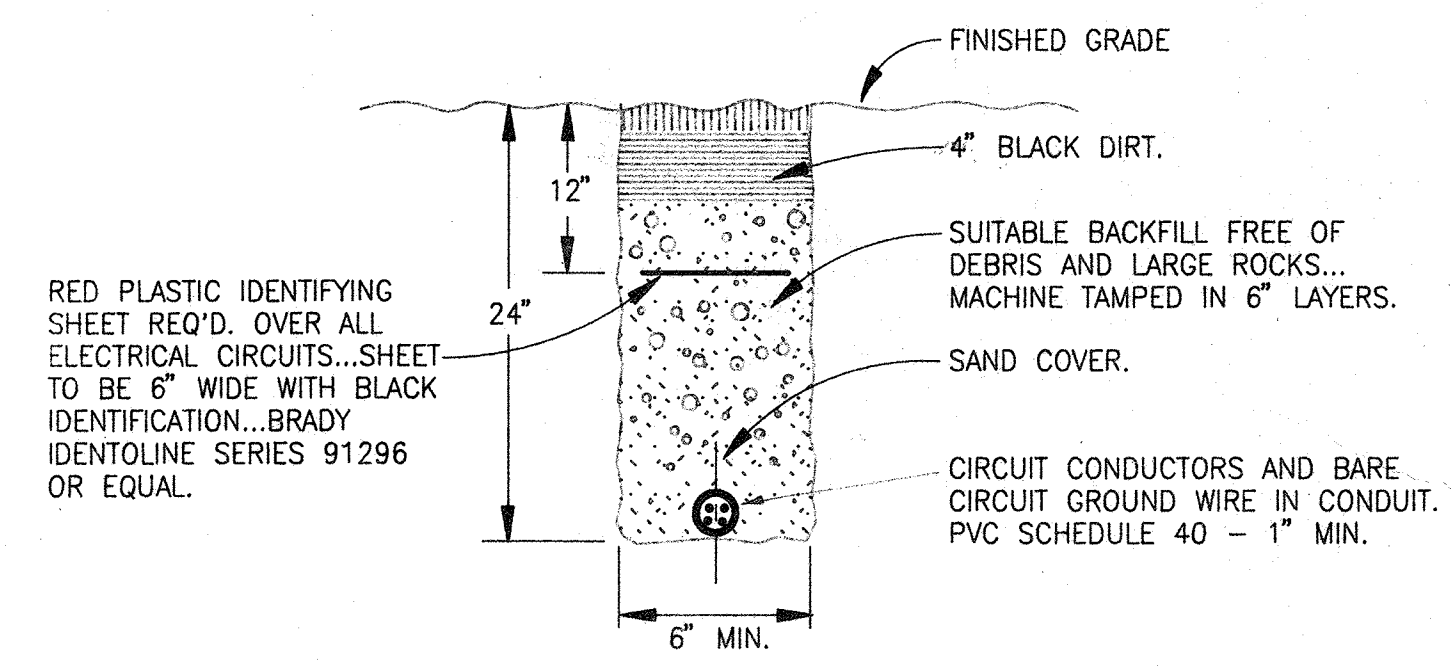
SITE PLAN
SCALE: 1" = 20'



DETAIL-LIGHTING FIXTURE TYPE "W" & "Y"
NOT TO SCALE



DETAIL-TYPICAL CONCRETE BASE FOR POLE MOUNTED LIGHTING FIXTURES
NOT TO SCALE



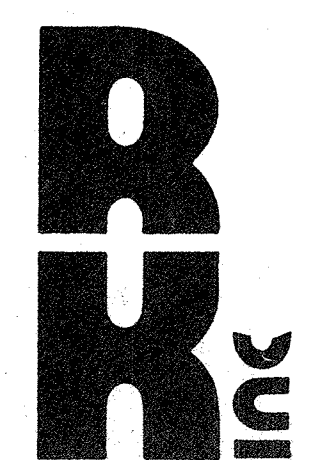
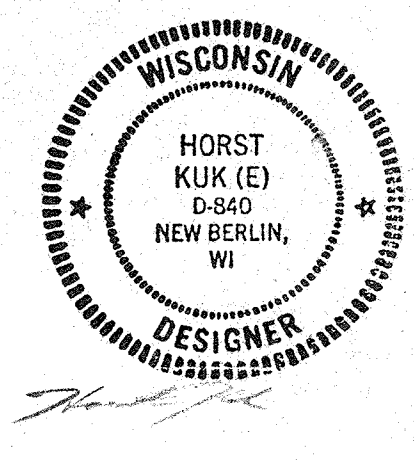
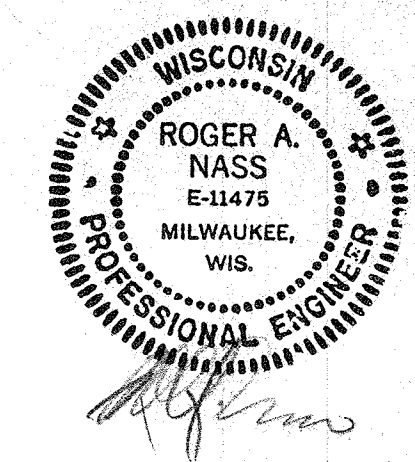
TYPICAL DETAIL TRENCHING UNDER UNPAVED AREAS
NOT TO SCALE

WIRING SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
\$ \$3 \$4	TOGGLE SWITCH... SINGLE POLE, 3-WAY, AND 4-WAY.
-M-	WALL MOUNTED AUTOMATIC LIGHT SWITCH... WATT STOPPER CAT. NO. WA-120 I
⊙	REMOTE LIGHTING RELAY SWITCH... (a) INDICATES LOCAL LIGHTING CONTROLLED
⊙	REMOTE MASTER "OFF" SWITCH... SEE LTG. CONTROL SCH. SHT. E-6.
⊕	GROUND. DUPLEX RECEPTACLE MTD. 18" ABOVE ABOVE FLR...
⊕	GROUNDABLE DUPLEX RECEPTACLE MTD. ABOVE COUNTER OR HT. AS SHOWN. (G) INDICATES GROUND FAULT TYPE RECEPTACLE.
⊕	GROUNDABLE DUPLEX RECEPTACLE... WITH UPPER HALF SWITCHED.
⊕	(2) GROUNDABLE DUPLEX RECEPTACLES IN A (2) GANG BOX.
□	RECESSED LIGHTING FIXTURE.
○	WALL MOUNTED LIGHTING FIXTURE.
○	FLUORESCENT LIGHTING FIXTURE.
—/—/—	CONDUIT RUN SHOWING NUMBER OF WIRES. (A) INDICATES GROUND WIRE.
—/—/—	CONDUIT HOME RUN SHOWING NO. OF WIRES. (A) INDICATES GRND. WIRE.
▭	PANELBOARD ...208Y/120 VOLTS 3Ø 4-WIRE
A-1a	A=PANELBOARD 1=CIRCUIT NUMBER a=SWITCH
⊕	SPECIAL PURPOSE OUTLET.
⊕	MOTOR OUTLET.
□	DISCONNECT SWITCH
\$3	MOTOR STARTER... NUMBER INDICATES MOTOR BEING CONTROLLED.
⊕	PUSHBUTTON CONTROL FOR OVERHEAD DOOR... PROVIDED BY O.H. DOOR SUPPLIER... INSTALLED AND WIRED BY E.C. PER MFG. WIRING DIAGRAMS.
48"	INDICATES MOUNTING HEIGHT.
24	ROOM NUMBER.
E.C.	ELECTRICAL CONTRACTOR .
R.A.I.	REMAINS AS IS.
H&V	HEATING AND VENTILATING CONTRACTOR.
WP	WEATHER PROOF
R.E.C.	RADIO EQUIPMENT CONTRACTOR.
▷	DATA OUTLET... WITH BLANK COVER.*
▷	TELEPHONE WALL OUTLET... 18" ABOVE FLOOR WITH BLANK COVER.*
▷	TELEPHONE WALL OUTLET... 48" ABOVE FLOOR WITH BLANK COVER.*
⊕	CABLE TV OUTLET... 18" ABOVE FLOOR.*
⊕	CEILING SPEAKER... FLUSH MOUNTED.
⊕	CEILING SPEAKER... SURFACE MOUNTED.
⊕	WEATHER PROOF CEILING SPEAKER... SURFACE MOUNTED.
⊕	WEATHER PROOF WALL SPEAKER (NO.'S 1, 2, OR 3) IF SHOWN INDICATE REMOTE VOLUME CONTROL SWITCH CONTROLLING THIS SPEAKER.
⊕	VOLUME CONTROL WITH INDICATOR LAMP (NO.'S 1, 2, OR 3) INDICATE SPEAKER TO BE CONTROLLED.
⊕	MICROPHONE.
P1	DOOR BELL PUSH BUTTON... WHEN PUSHD, TO EMIT ITS OWN DISTINCTIVE ELECTRONIC TONE THRU PAGING SPEAKERS. NUTONE CAT. NO. PB-41
P2	DOOR BELL PUSH BUTTON... WHEN PUSHD, TO EMIT ITS OWN DISTINCTIVE ELECTRONIC TONE THRU PAGING SPEAKERS. NUTONE CAT. NO. PB-41

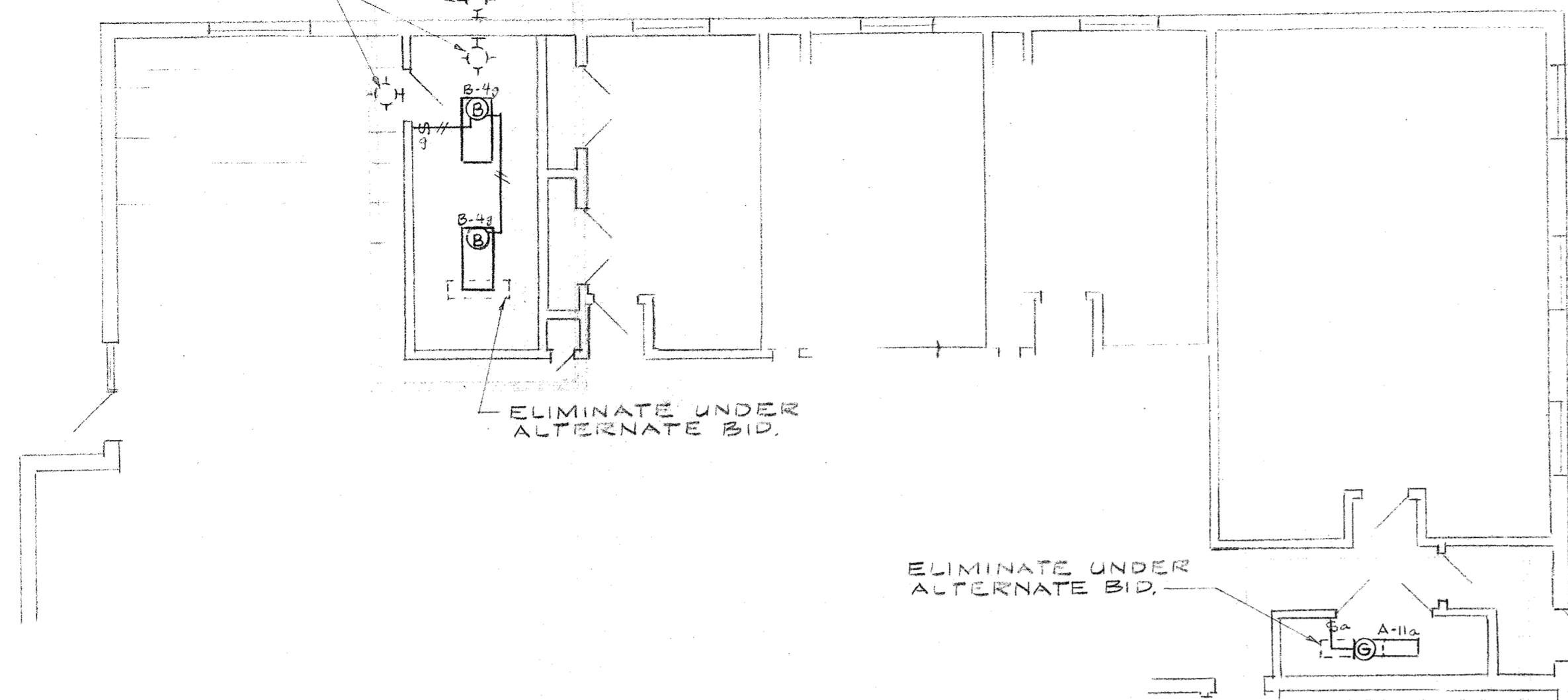
* - PROVIDE 3/4" C. TO NEAREST ACCESSIBLE CORRIDOR CEILING CAVITY FOR DATA, TELEPHONE & TV OUTLETS.

*500' 1" RCE
20 - 2" SMACKS
100 - 1/2" LASURES
PAW*

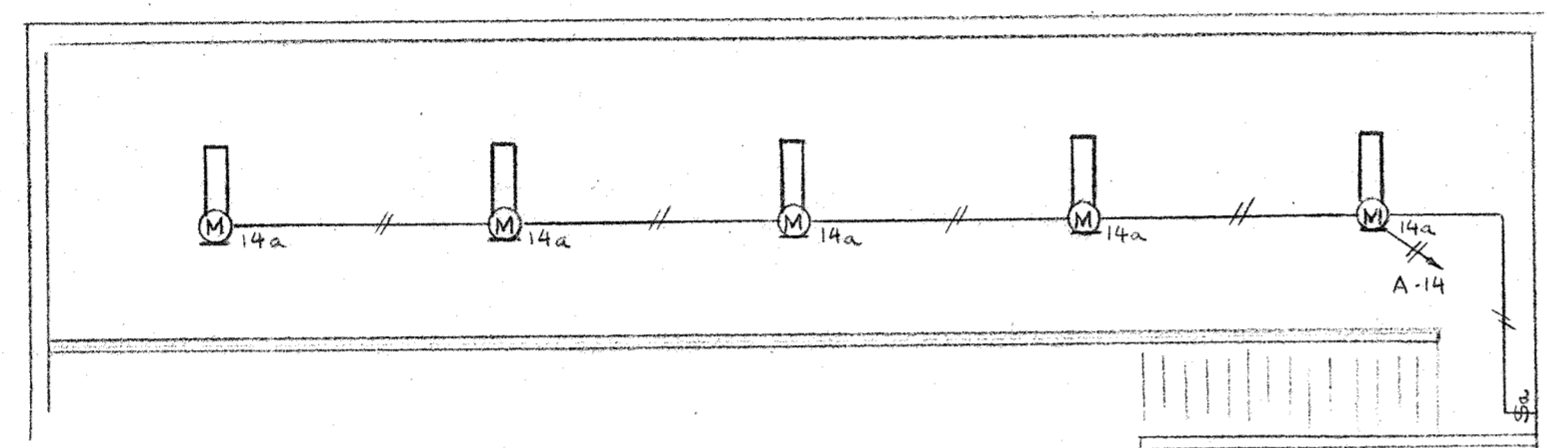
ELECTRICAL SHEETS E-1 THRU E-6
PREPARED BY:
DOLAN & DUSTIN INC.
CONSULTING ENGINEERS
1011 NORTH MAYFAIR RD.
WAUWATOSA, WISCONSIN 53226
TELEPHONE: 414-774-6543



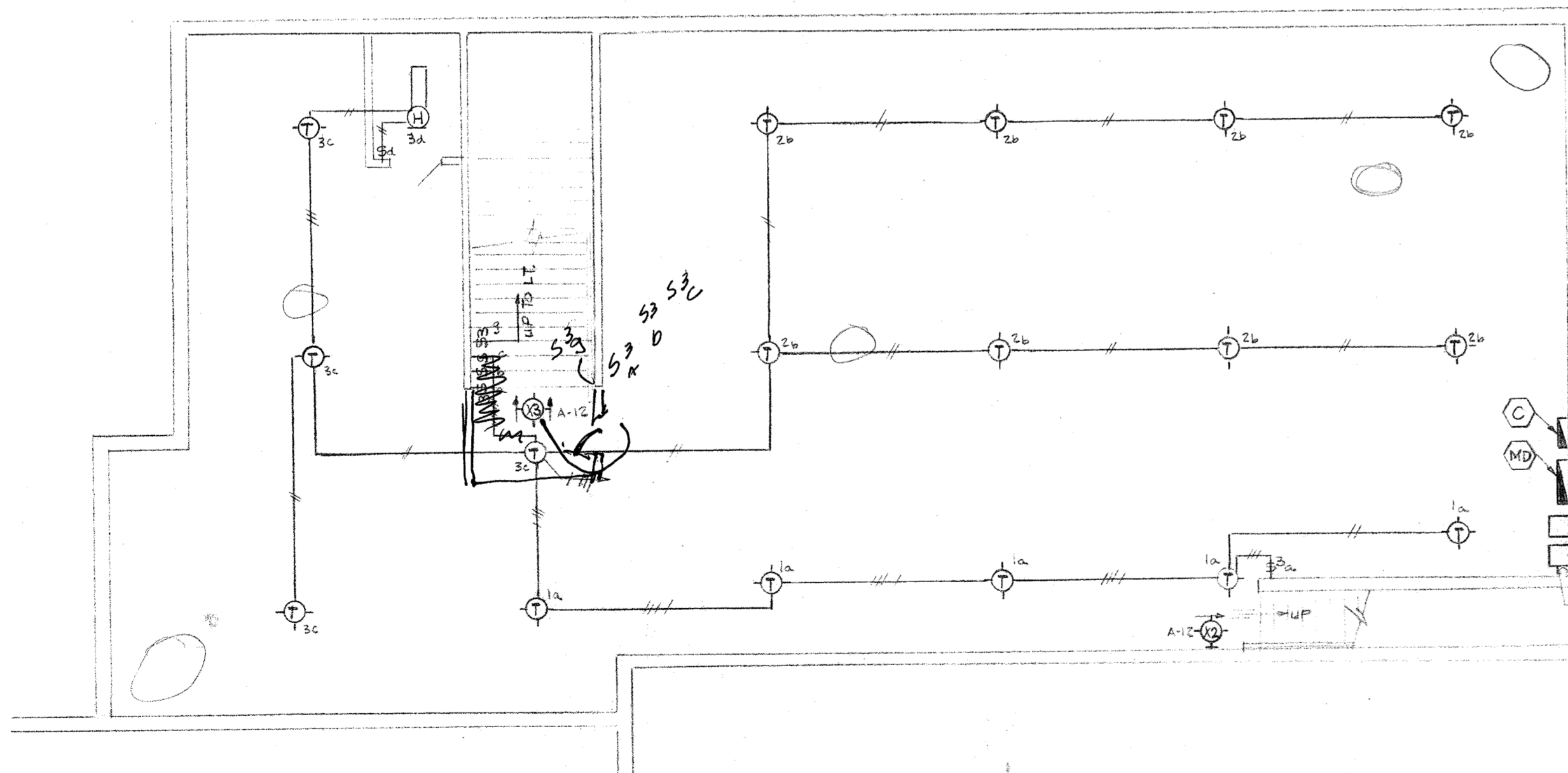
ELIMINATE UNDER ALTERNATE BID



ALTERNATE BID PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

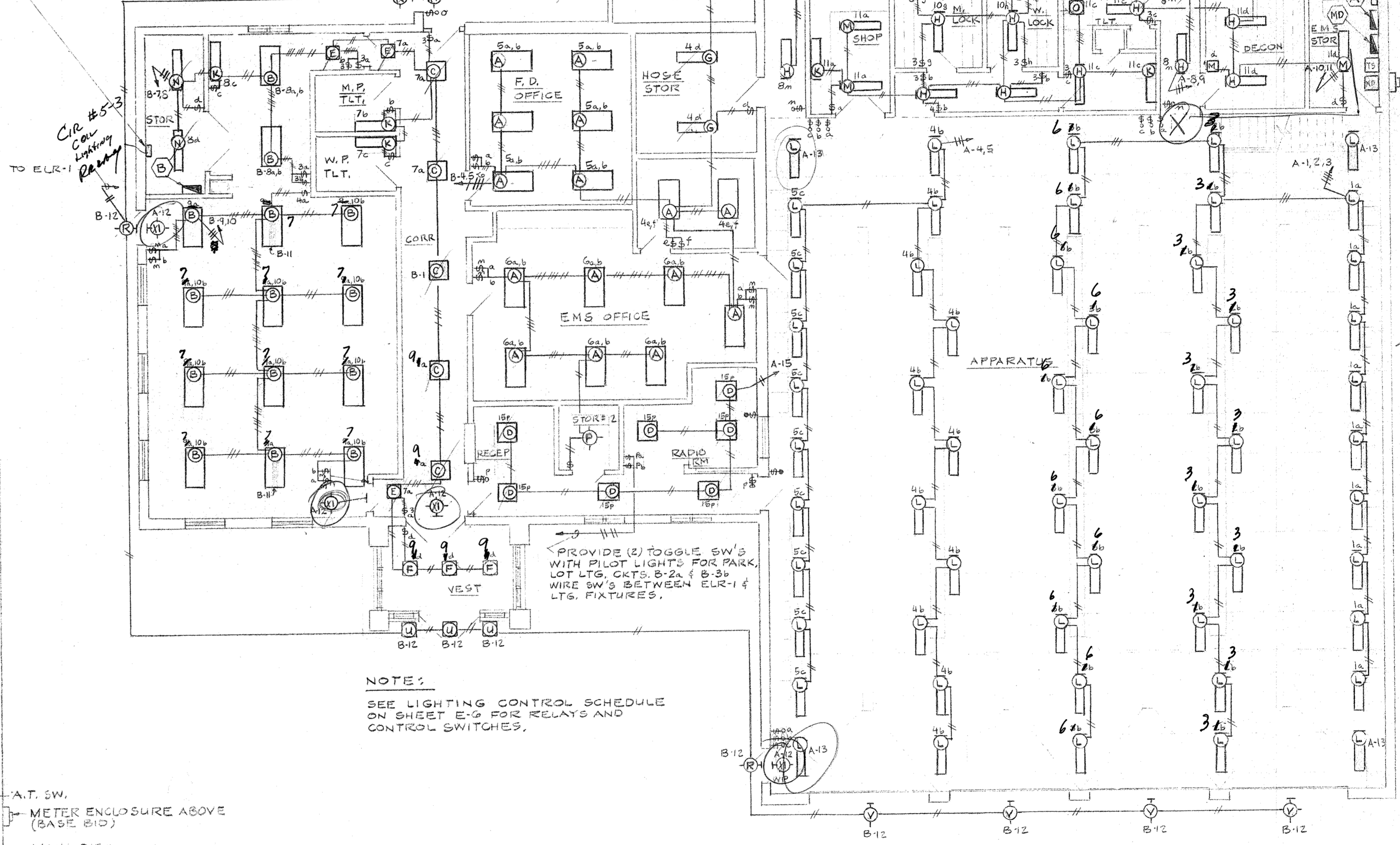


MEZZANINE PLAN - LIGHTING
SCALE: 1/8" = 1'-0"



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

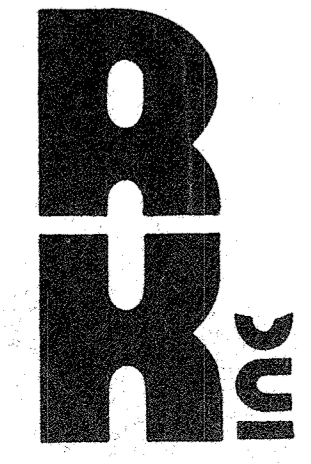
EXTERIOR LIGHTING RELAY
"ELR-1" SQ D CLASS 8903-
LG80-V02. 3-POLE, 120V COIL,
ELEC. HELD... TO CONTROL EXTERIOR
LTG. CIRCUITS B-1 & B-12... ALSO
SWITCHED CIRCUITS B-2 & 3.

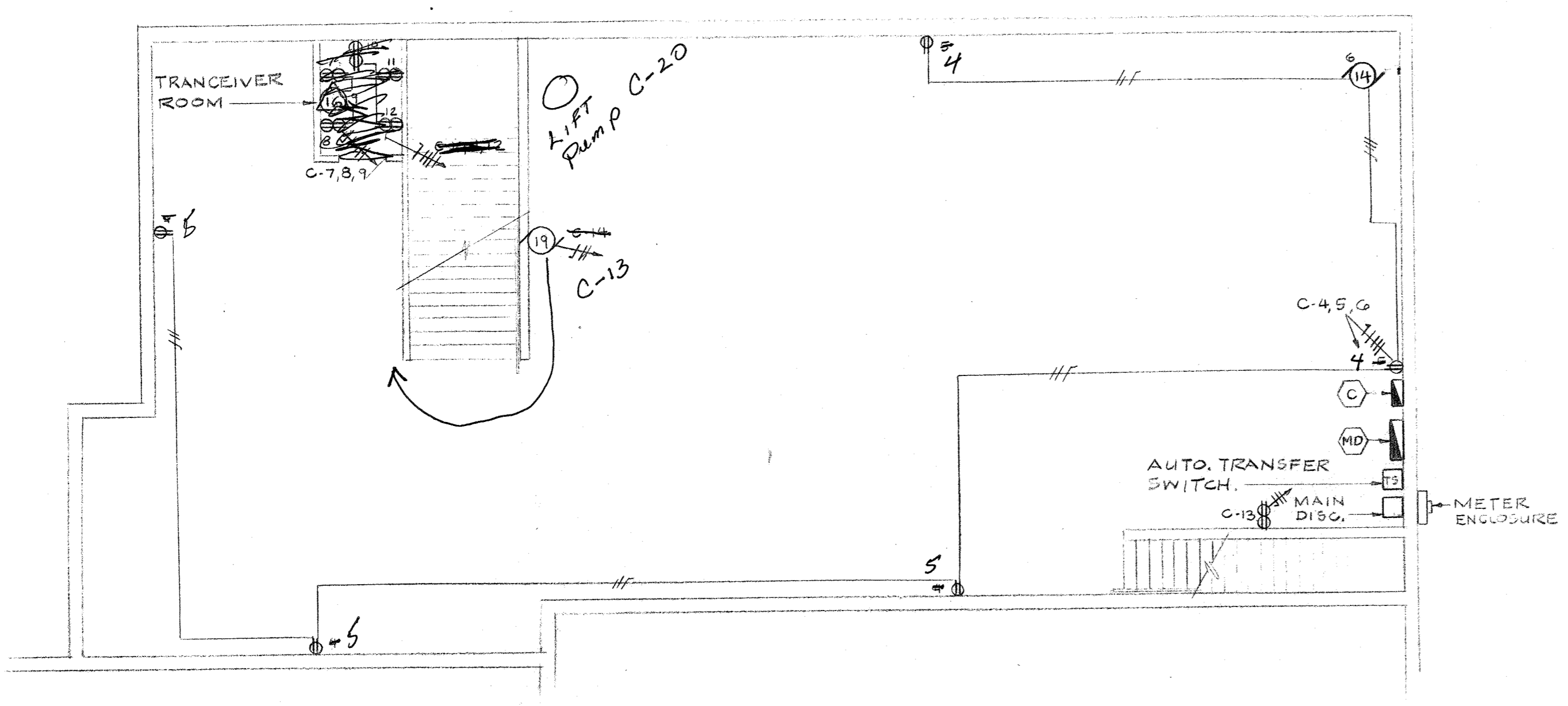
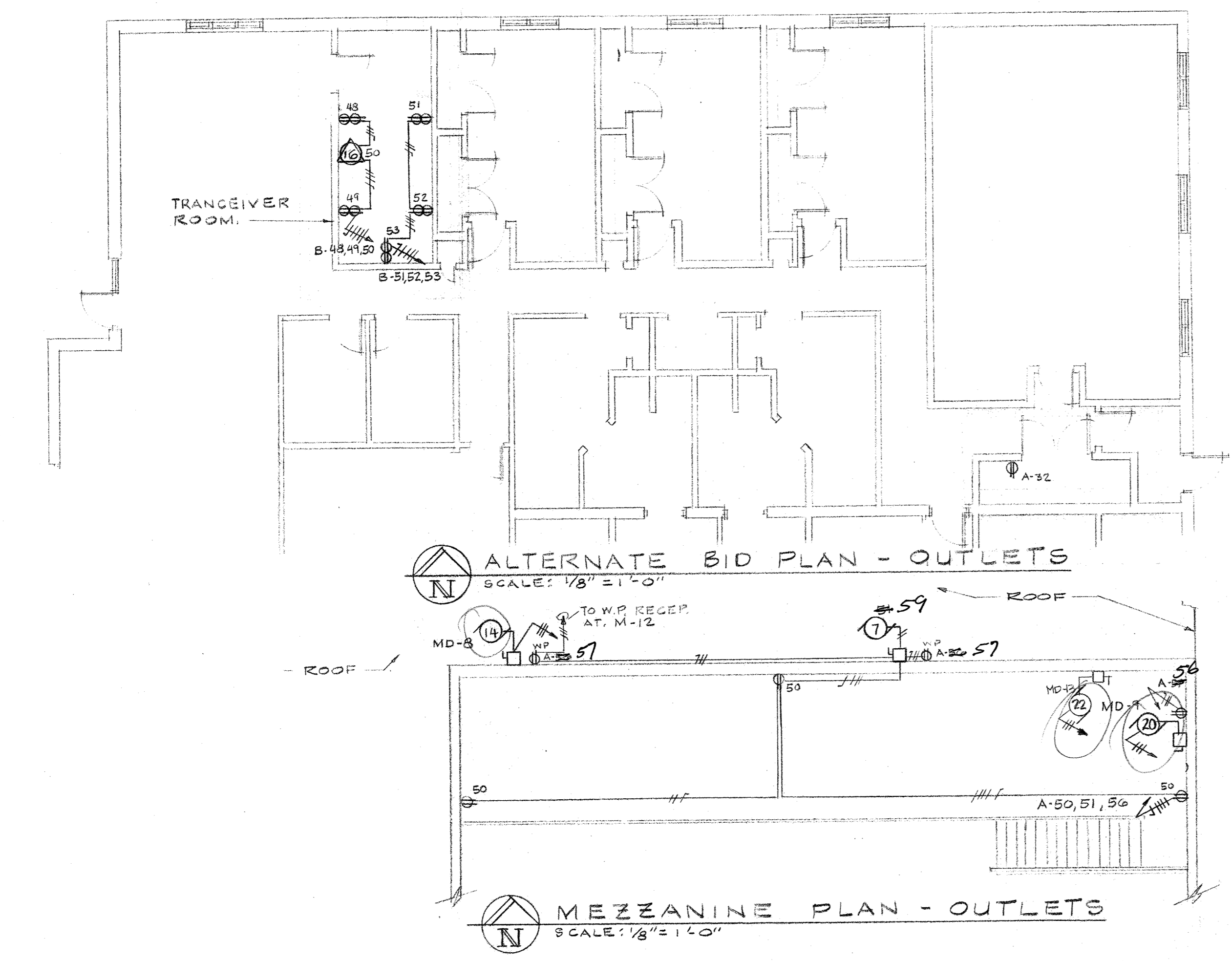


NOTE:
SEE LIGHTING CONTROL SCHEDULE
ON SHEET E-3 FOR RELAYS AND
CONTROL SWITCHES.

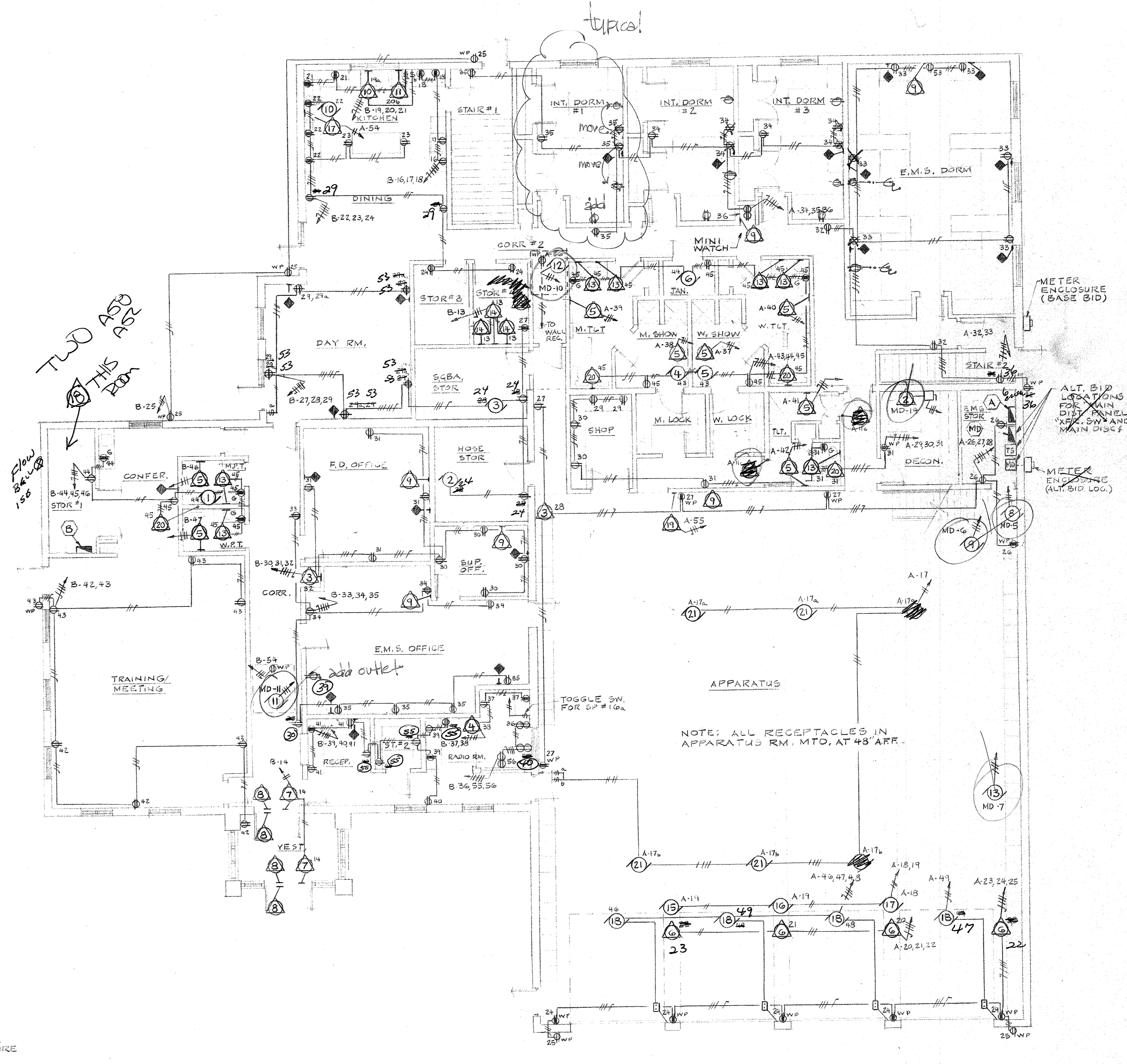
FIRST FLOOR PLAN - LIGHTING
SCALE: 1/8" = 1'-0"

3 UP
2 DOWN
1 ADDED
13 TOTAL



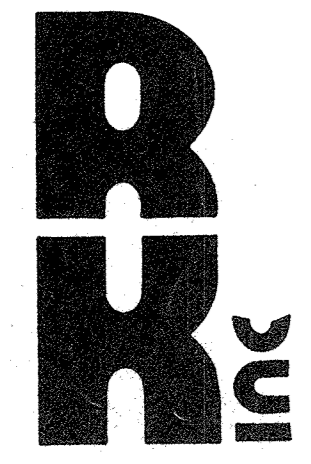


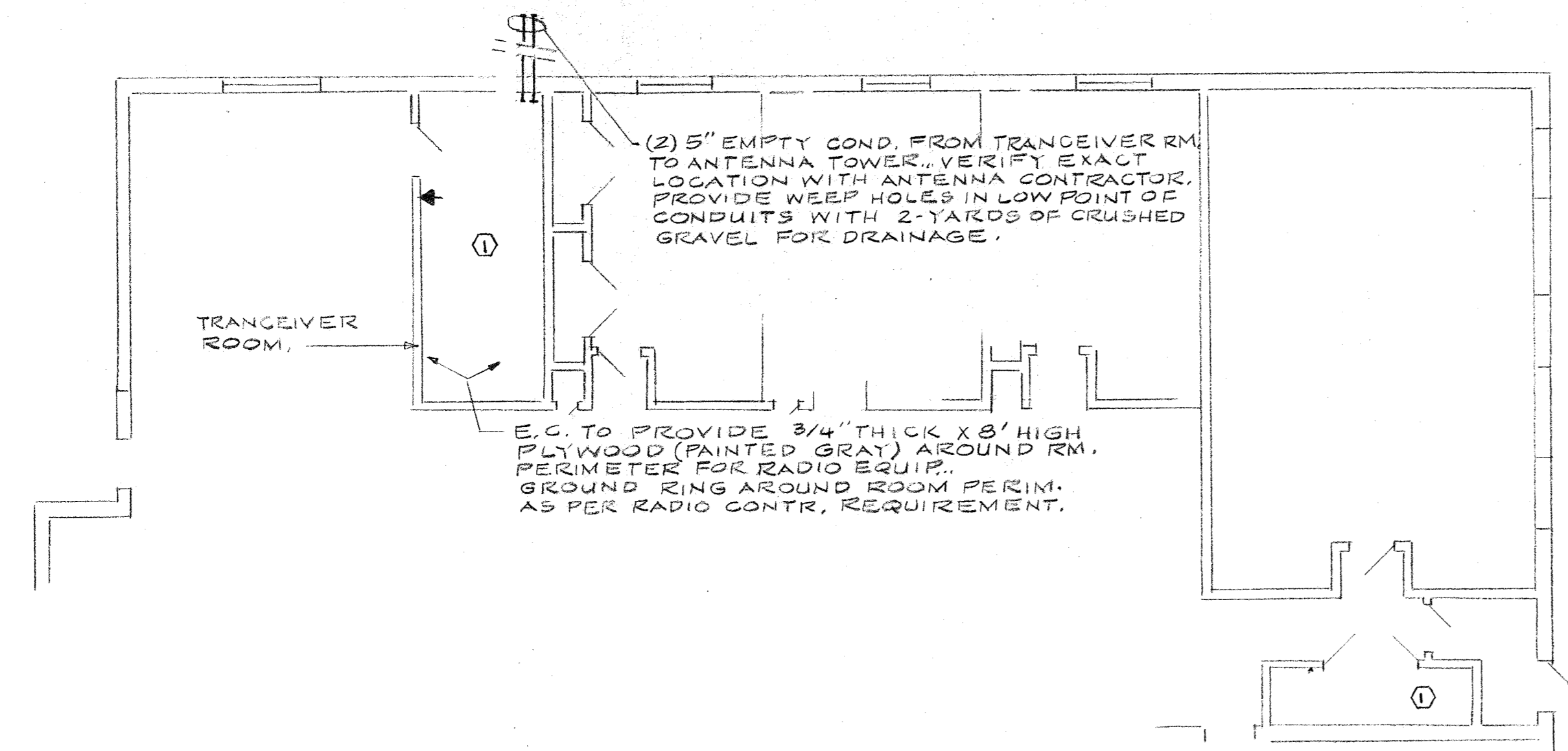
BASEMENT FLOOR PLAN - OUTLETS
SCALE: 1/8" = 1'-0"



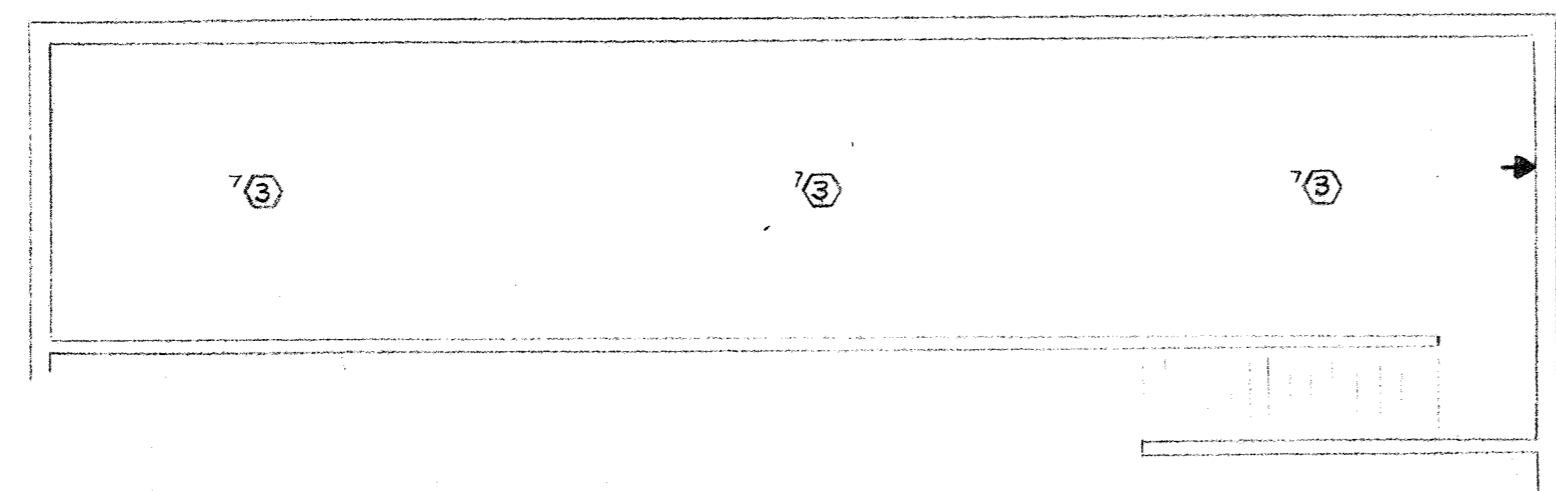
FIRST FLOOR PLAN - OUTLETS
SCALE: 1/8" = 1'-0"

owner requested changes
9-27-93

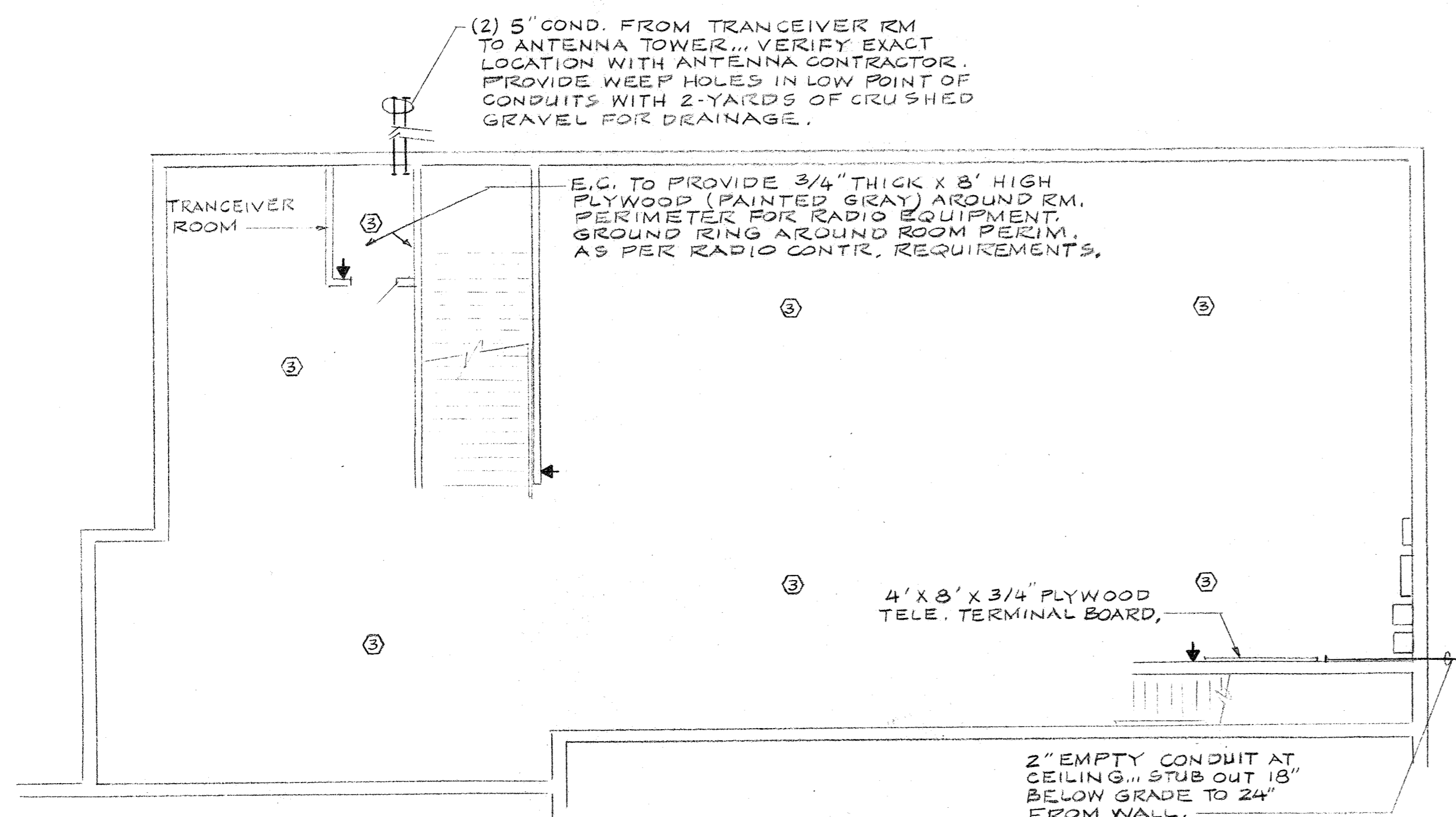




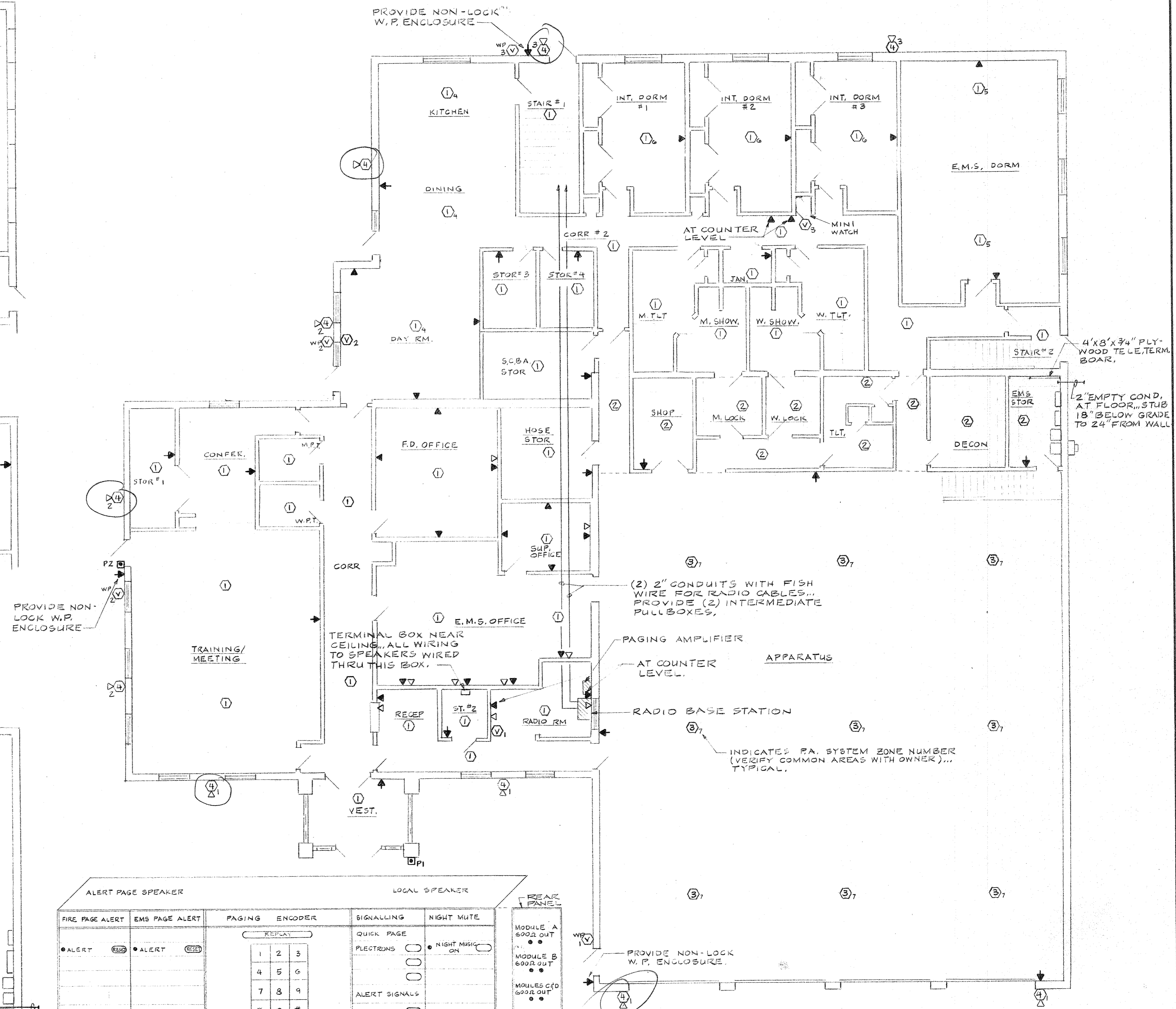
ALTERNATE BID PLAN - COMMUNICATION
SCALE: 1/8" = 1'-0"



MEZZANINE PLAN - COMMUNICATION
SCALE: 1/8" = 1'-0"



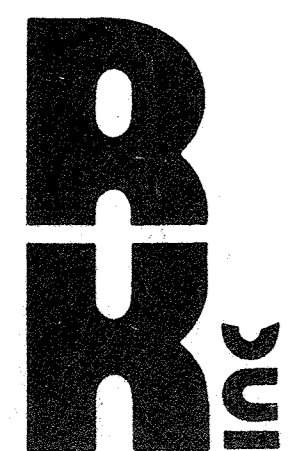
BASEMENT FLOOR PLAN - COMMUNICATION
SCALE: 1/8" = 1'-0"



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

ALERT PAGE SPEAKER			LOCAL SPEAKER			REAR PANEL	
FIRE PAGE ALERT	EMS PAGE ALERT	PAGING ENCODER	SIGNALLING	NIGHT MUTE			
ALERT	ALERT	REPLAY	QUICK PAGE	NIGHT MUTE ON	MODULE A 600Z OUT		
		1 2 3	PLECTRONS		MODULE B 600Z OUT		
		4 5 6			MODULE C 600Z OUT		
		7 8 9	ALERT SIGNALS		MODULE D 600Z OUT		
		* 0 #	STEADY TONE		MODULE E 600Z OUT		
		PAGE CLEAR	HI-LOW TONE		MODULE F 12VDC OUT		
			EMERGENCY TRAFFIC TONE		MODULE G 12VDC OUT		
DANE COUNTY FIRE#1	FITCHBURG FIRE/ FIREGROUND C	COORDINATION/ FIREGROUND OPS			REMOTE ALERT RESET		
VOLUME	VOLUME	VOLUME			NIGHT MUTE 12VDC OUT		
MUTE	MUTE	MUTE			NIGHT MUTE REMOTE 12VDC OUT		
MONITOR	MONITOR	MONITOR					
CHANNEL SELECT	CHANNEL SELECT	CHANNEL SELECT					
	ALPHA NUM DISPLAY	ALPHA NUM DISPLAY					
		SCAN					
	REPEATER TALKAROUND	REPEATER TALKAROUND					
STATION 1 ONLY: REMOTE MODULES ALSO INSTALLED ON PD CENTER COMM II	STATION 1 ONLY: REMOTE MODULES ALSO INSTALLED ON PD CENTER COMM II	STATION 1 MODULES: STATION 2 CENTER COMM II					

RADIO BASE STATION - ELEVATION



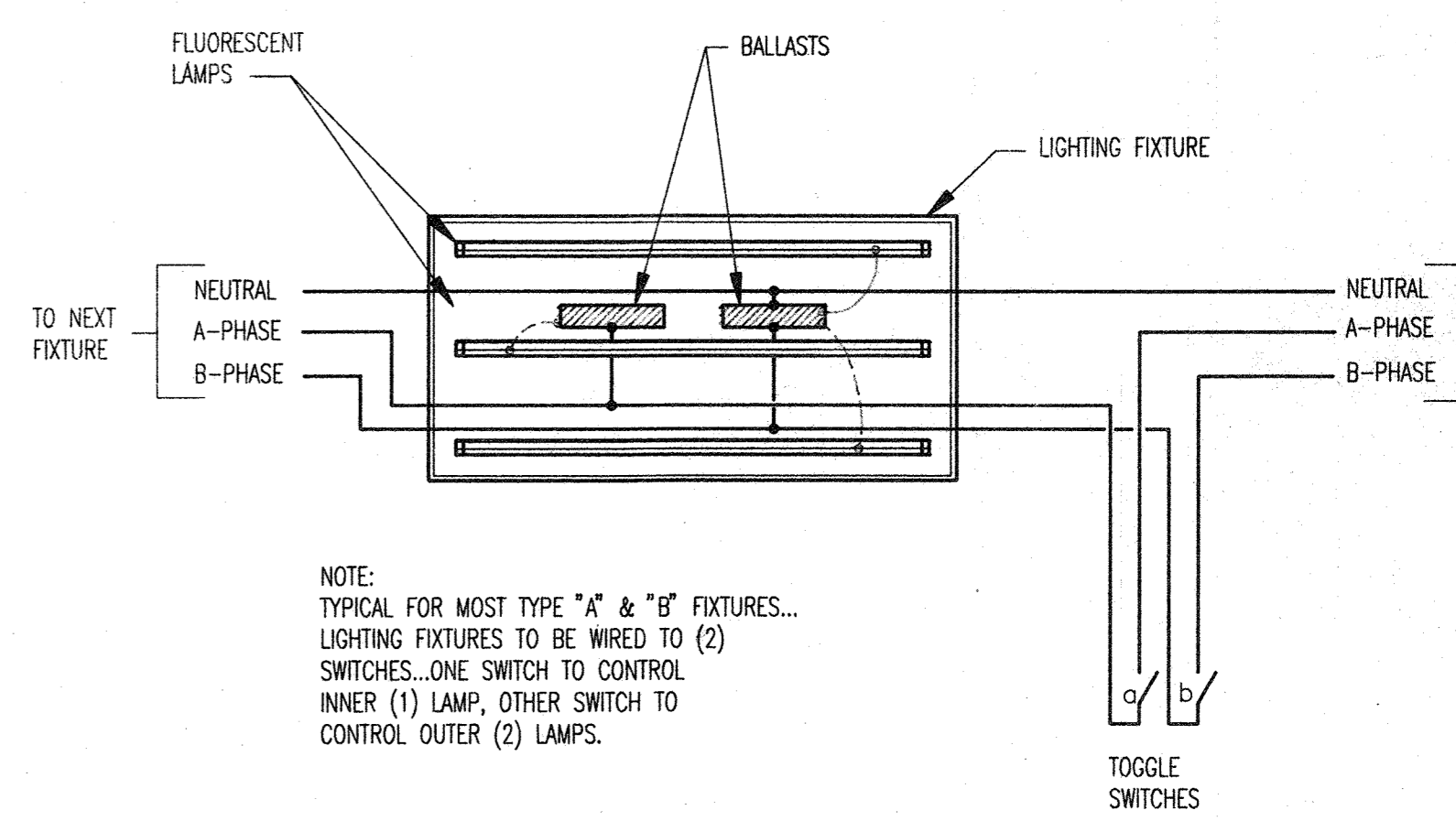
MOTOR SCHEDULE table with columns: MOTOR NUMBER, HP OR KW, VOLTAGE & PHASE, MACHINERY DRIVEN, LOCATION, CIRCUIT DATA, STARTER DATA, SEE NOTE NUMBER, CONTROL DATA.

LIGHTING FIXTURE SCHEDULE table with columns: SYMBOL, DESCRIPTION, MANUFACTURER'S DATA, MOUNTING, LAMP DATA, FINISH, CEILING TYPE, OTHER DATA.

SPECIAL PURPOSE OUTLET SCHEDULE table with columns: OUTLET NUMBER, EQUIPMENT SERVED, LOAD, VOLTAGE & PHASE, BRANCH CIRCUIT DATA, OUTLET LOCATION, MOUNTING HEIGHT, DESCRIPTION OF OUTLET.

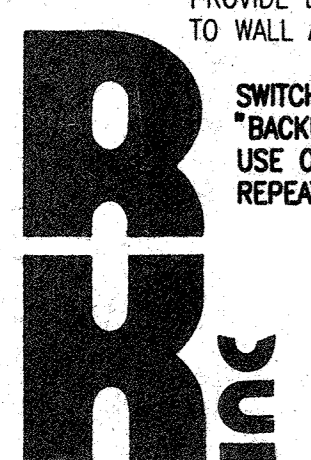
LIGHTING FIXTURE NOTES:

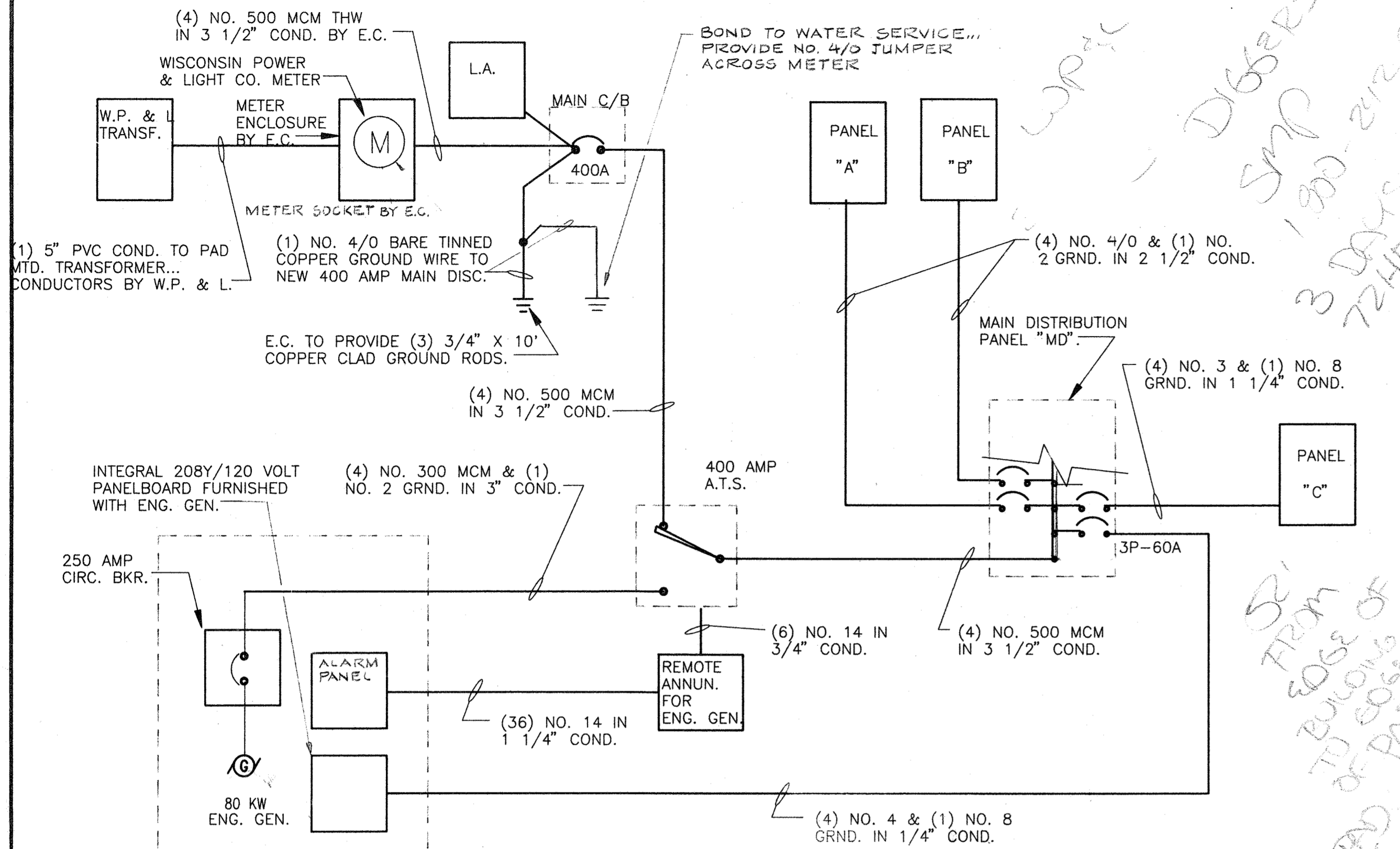
- 1 - ALL BALLASTS ARE TO BE 120 VOLT.
1W - (1) FIXTURE POLE MOUNTED LIGHT... CAT. NO. P85/150HPS/20/A/120/DBP/3M/SRT-25-66-11/DBP... POLE TO BE ROUND, TAPERED.
1Y - (2) FIXTURE POLE MOUNTED LIGHT... CAT. NO. P85/150HPS/20/B/120/DBP/3M/42-B/SRT-25-66-11-DBP... POLE TO BE ROUND, TAPERED.
2 - MOUNT FIXTURES TO CONTINUOUS UNISTRUT ATTACHED TO BOTTOM OF JOISTS.



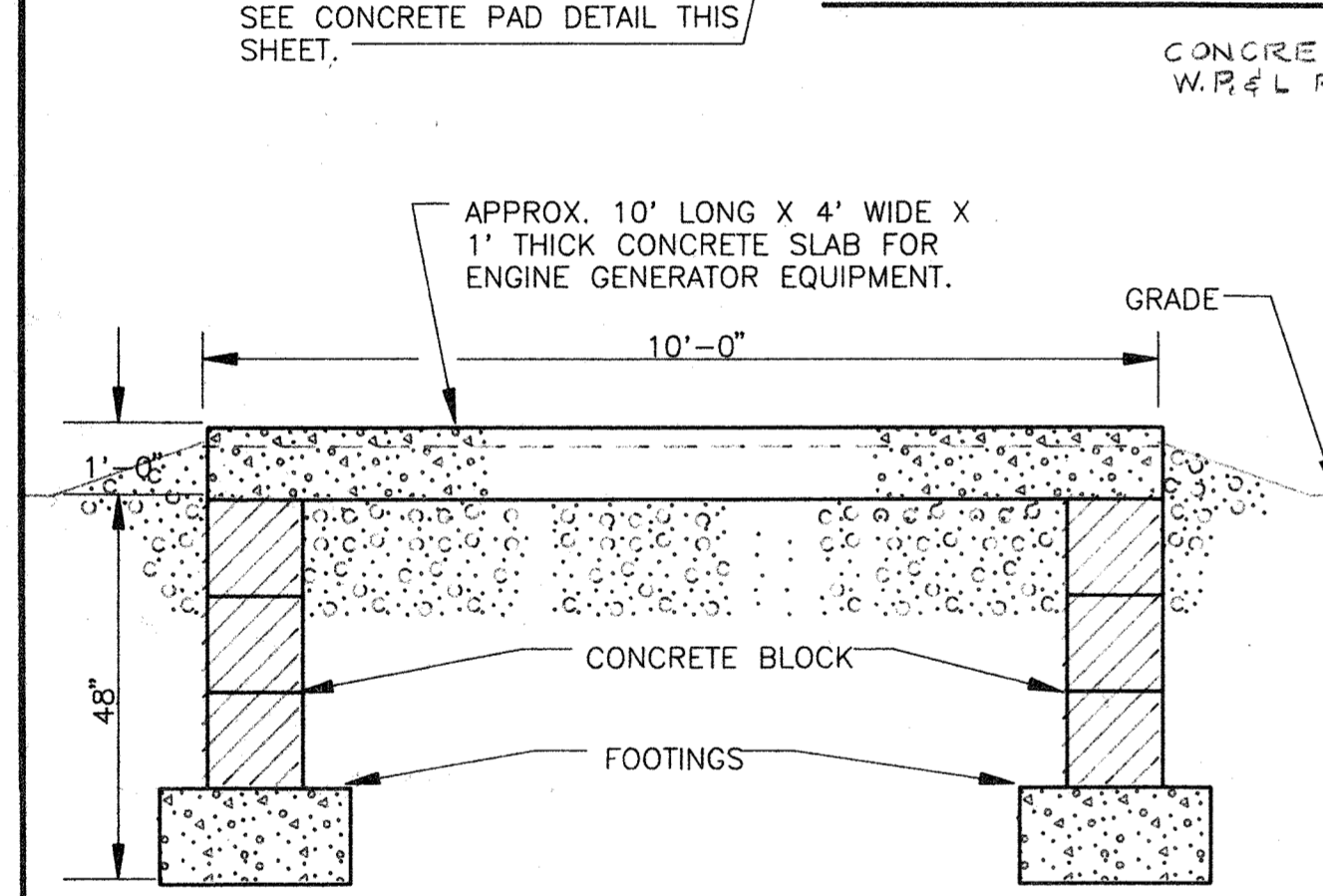
WIRING DIAGRAM - FIXTURE TYPE "A" & "B"

NOT TO SCALE

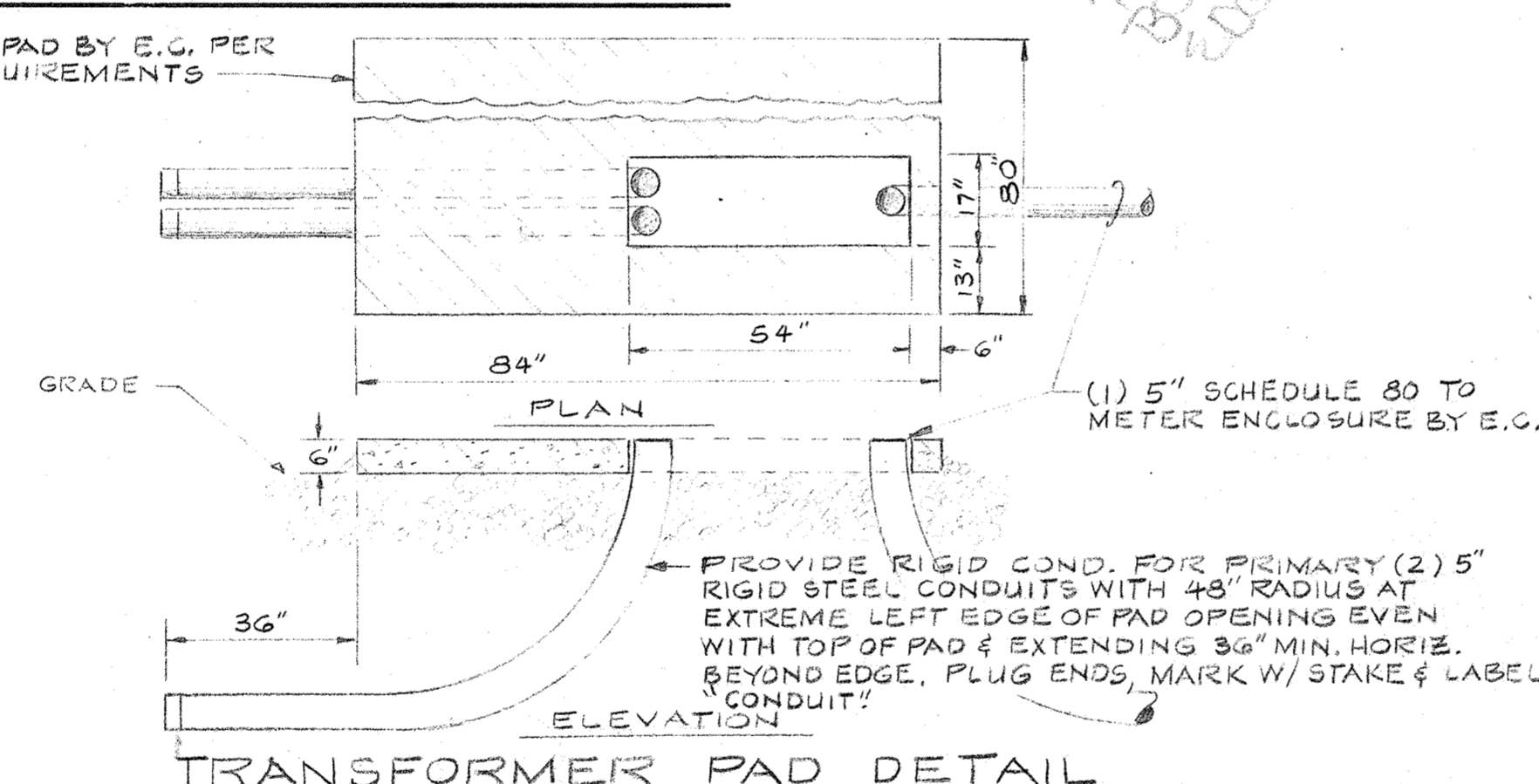




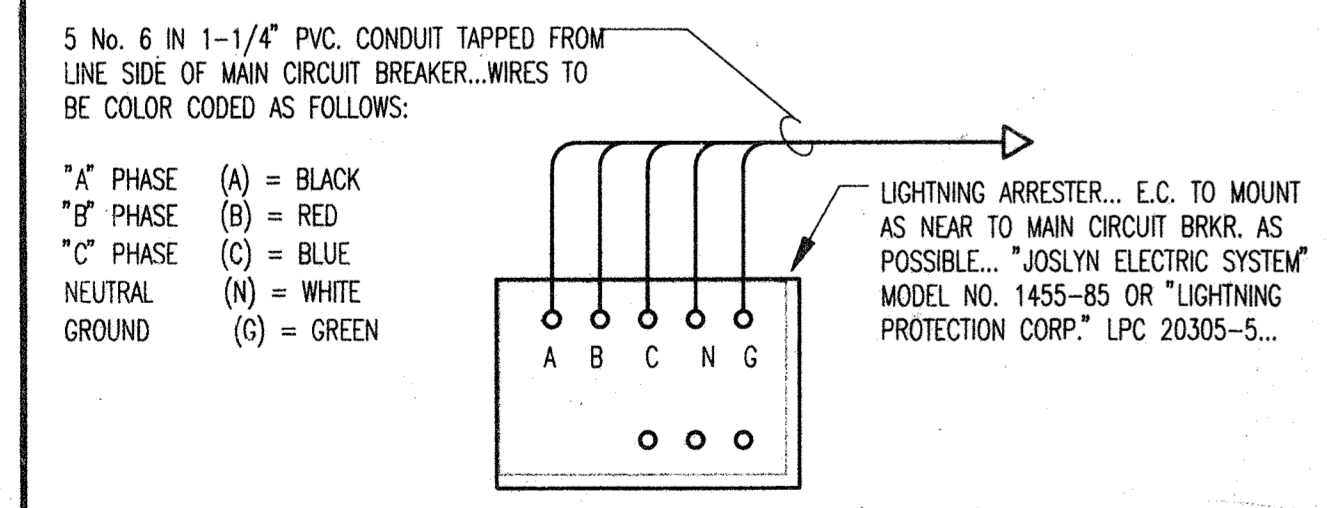
SERVICE AND DISTRIBUTION RISER DIAGRAM



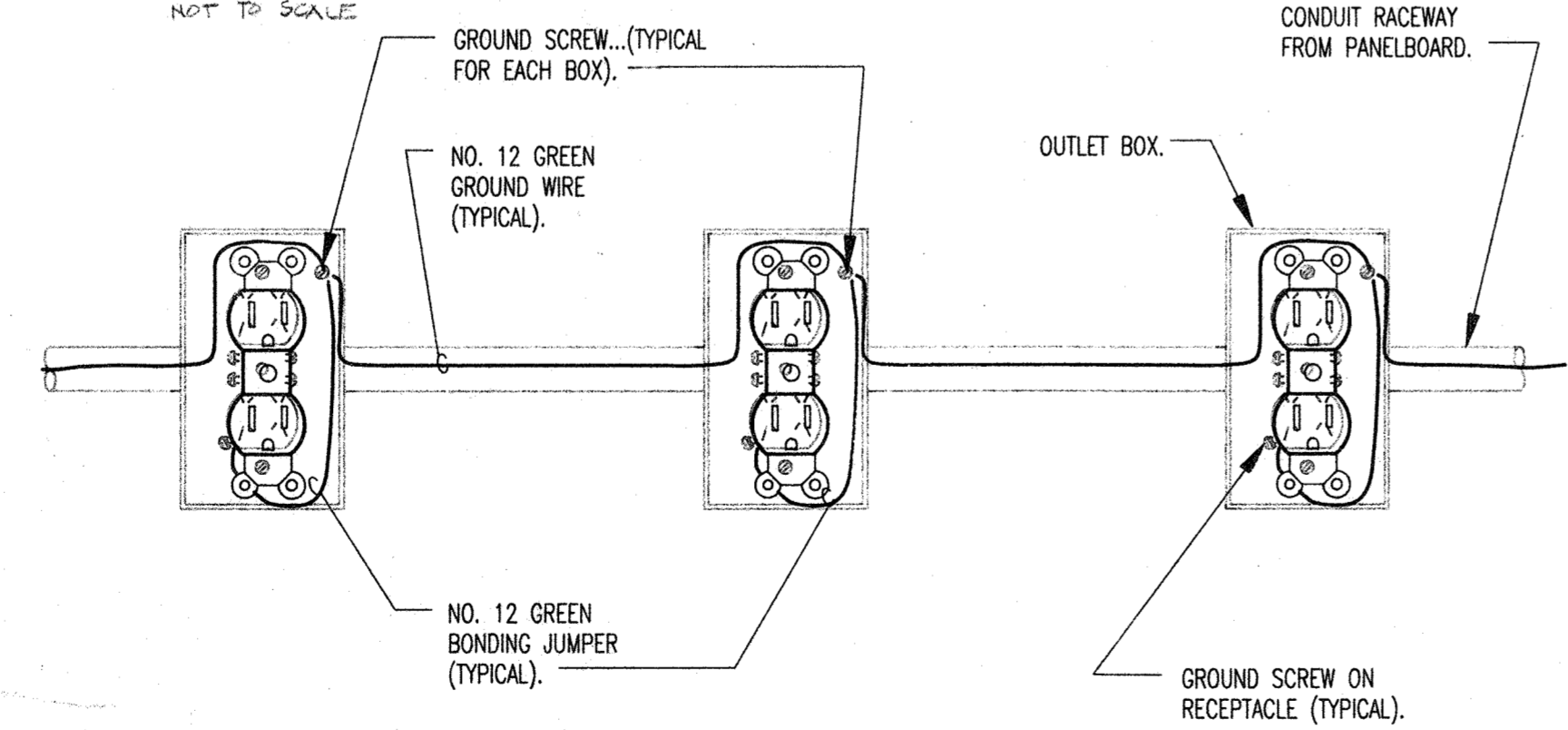
GENERATOR PAD ELEVATION
NOT TO SCALE



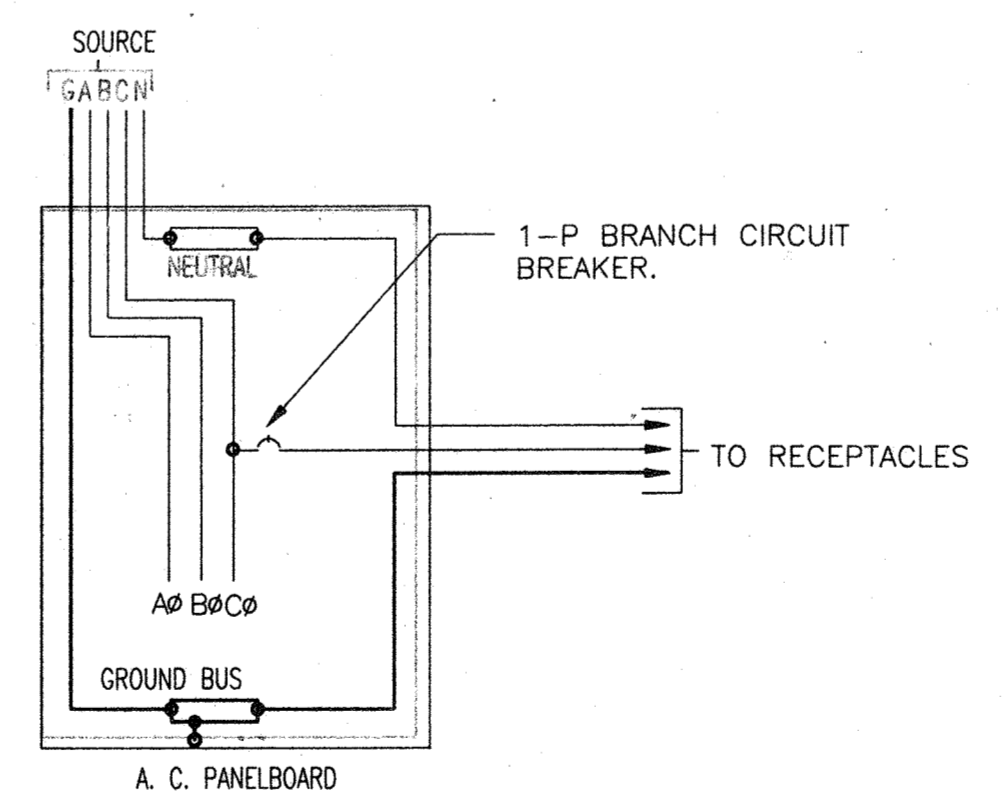
TRANSFORMER PAD DETAIL
NOT TO SCALE



208Y/120 VOLT - 3 PHASE - 4 WIRE SERVICE WIRING DETAIL - LIGHTNING ARRESTER
NOT TO SCALE



RECEPTACLE GROUNDING DETAIL
NOT TO SCALE



GROUND. OF BLDG. ELEC. SYSTEM
NOT TO SCALE

LIGHTING CONTROL SCHEDULE

LOW VOLT SW.	RELAY NO. CONT.	CKT. NO.	AREA LIGHTING SERVED
R 1	A-1a	A-1a	APPARATUS
R 2	A-2a	A-2a	APPARATUS
R 3	A-3a	A-3a	APPARATUS
R 4	A-4a	A-4a	APPARATUS
R 5	A-5a	A-5a	APPARATUS
R 6	A-6a	A-6a	EM'S DORM
R 7	A-6e	A-6e	EM'S DORM
R 8	A-6f	A-6f	EM'S DORM
R 9	A-7a	A-7a	INTERN DORM NO. 3
R 10	A-7b	A-7b	INTERN DORM NO. 3
R 11	A-7c	A-7c	INTERN DORM NO. 2
R 12	A-7d	A-7d	INTERN DORM NO. 2
R 13	A-7e	A-7e	INTERN DORM NO. 1
R 14	A-7f	A-7f	INTERN DORM NO. 1
R 15	A-8m	A-8m	CORRIDOR NO. 2
R 16	A-8n	A-8n	CORRIDOR
R 17	A-9a	A-9a	PAY ROOM
R 18	A-15p	A-15p	RECEPTION / RADIO ROOM
R 19	A-16q	A-16q	KITCHEN / DINING
R 20	A-16r	A-16r	KITCHEN / DINING
R 21	A-54	A-54	SOLENOID VALVE CONTROL ON GAS PIPE TO RANGE
R 22	ALL ABOVE	ALL ABOVE	"ALL OFF"
R 23	ALL ABOVE	ALL ABOVE	"ALL ON" (FROM RELAYS IN BASE RADIO CONSOLE)
R 24	-	-	SPARE RELAYS.

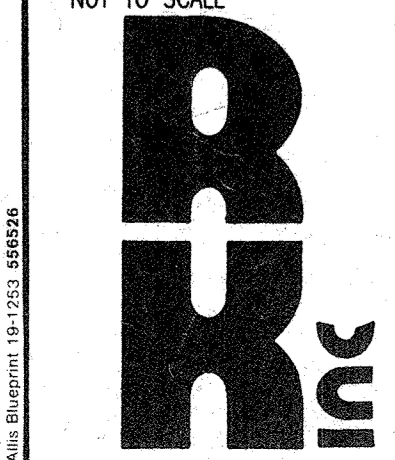
PANELBOARD SCHEDULE

PANELBOARD DESIGNATION	A (DOUBLE PANEL)	B (DOUBLE PANEL)	C	MD
FEEDER WIRE	4#4/0(1) #2 GR	4#4/0(1) #2 GR	4#3 (1) #8 GR	4#500MCM
FEEDER RACEWAY	2 1/2"	2 1/2"	1 1/2"	3 1/2"
BUS & S/N SIZE	225A	225A	00A	400A
VOLTAGE & PHASE	208Y/120V-3	208Y/120V-3	208Y/120V-3	208Y/120V-3p
MOUNTING	SURFACE	SURFACE	SURFACE	SURFACE
LOCATION	EM'S STOR	STORAGE #1	BASEMENT	BASE / ATTIC
MANUFACTURER	SQUARE-D	SQUARE-D	SQUARE-D	SQUARE-D
CATALOG NUMBER	N200D	N200D	N200D	HCH
OTHER DATA	SUBFEED LUGS	SUBFEED LUGS		

BRANCH CIRCUIT SCHEDULE

CIRCUIT NUMBER	SECTION NO. 1	SECTION NO. 2	POLE & LOAD	POLE & LOAD	POLE & LOAD	POLE & LOAD	POLE & LOAD	POLE & LOAD	POLE & LOAD	POLE & LOAD
1	43	1-20	L	1-20 M-4.5	1-20 SP-1	1-20 R	1-20 L	3-60 ALARM PANEL		
2	44	1-20		1-20 M-6	1-20 L	1-20 SP-3-M-1	1-20 L	3-100 PANEL "C"		
3	45	1-20		1-20 R-3-M-3	1-20	1-20 R	1-20 L	3-225 PANEL "A"		
4	46	1-20		1-20 M-18	1-20	1-20 SP-5	1-20 R	3-225 PANEL "B"		
5	47	1-20		1-20 M-18	1-20	1-20 SP-5	1-20 R	3-20 M-13		
6	48	1-20		1-20 M-18	1-20	1-20 R	1-20 R	3-20 M-9		
7	49	1-20		1-20 M-18	1-20	1-20 R	1-20 R	3-50 M-13		
8	50	1-20		1-20 R	1-20	1-20 SP-16	1-20 R	3-20 M-14		
9	51	1-20		1-20 M-7	1-20	1-20 R	1-20 R	3-40 M-20		
10	52	1-20		1-20 SP-17	1-20	1-20 R	1-20 R	3-40 M-12		
11	53	1-20		1-20 R	1-20	1-20 R	1-20 R	3-70 M-11		
12	54	1-20		1-20 SP-17	1-20	1-20 R	1-20 R	3-20 SP-2		
13	55	1-20		1-20 SP-19	2-20 SP-H(6P)	1-20 R	1-20 R	3-30 M-22		
14	56	1-20		1-20 R	1-20 SP-7	1-20 R	1-20 M-19	3- SPACE		
15	57	1-20		1-20 R	1-20	1-20 SPARE	1-20 SPARE	3- SPACE		
16	58	1-20	L	1-20 SP-18	1-20 R			3- SPACE		
17	59	1-20	M-21 (6)	1-20 SPARE	1-20 R					
18	60	1-20	M-17		1-20 R					
19	61	1-20	M-15, 16		1-20 SP-10					
20	62	1-20	SP-6		1-20 SP-11					
21	63	1-20	SP-6	1- SPACE	1-20 R	1- SPACE	1- SPACE			
22	64	1-20	SP-6	1-20 R	1-20 R	1-20 R	1-20 R			
23	65	1-20	SP-6		1-20 R					
24	66	1-20	R		1-20 R					
25	67	1-20	R		1-20 R					
26	68	1-20	R		1-20 SPARE					
27	69	1-20	R		1-20 R					
28	70	1-20	SP-3		1-20 R	1-20 R	1-20 R			
29	71	1-20	R		1-20 R					
30	72	1-20	R		1-20 R					
31	73	1-20	R		1-20 R					
32	74	1-20	R		1-20 SP-3					
33	75	1-20	R		1-20 R	1-20 R	1-20 R			
34	76	1-20	R		1-20 R					
35	77	1-20	R		1-20 R					
36	78	1-20	R		1-20 R					
37	79	1-20	SP-5		1-20 R					
38	80	1-30	SP-5		2-20 SP-4					
39	81	1-30	SP-5		1-20 R					
40	82	1-30	SP-5		1-20 R					
41	83	1-30	SP-5		1-20 R					
42	84	1-30	SP-5		1-20 R					

PANELBOARD SCHEDULE NOTES:
 ALL PANELBOARDS TO INCLUDE "EQUIPMENT GROUND BAR"



MAKE-UP AIR UNIT SCHEDULE

Table with columns: TAG NO., MODEL NO., LOCATION, TYPE, CFM, E.S.P., MOTOR, HEATING, CAPACITY, NATURAL GAS, SUPPLY, COND. DRAIN, NO. & SIZE OF FILTERS, MOUNTING, ELEC. SUPPLY. Rows include MAU-1 and MAU-2.

(1) MAU-1 SHALL BE INTERLOCKED WITH EF-8 AT LOW SPEED... MAU-1 INTERLOCKED WITH EF-8 AND EF-9 AT HIGHER SPEED & CO MONITORING... (2) MAU-2 SHALL BE INTERLOCKED WITH EF-4, EF-5 & EF-7...

GRILLES & DIFFUSER SCHEDULE

Table with columns: TAG NO., TYPE, SIZE, MOUNTING, REMARKS. Lists various grilles and diffusers for different rooms.

FAN SCHEDULE

Table with columns: TAG NO., LOCATION, TYPE, CFM, E.S.P., SONE, HP/VAMP, VPH/HZ, MANUFACTURE, MODEL, REMARKS. Lists various fans and their specifications.

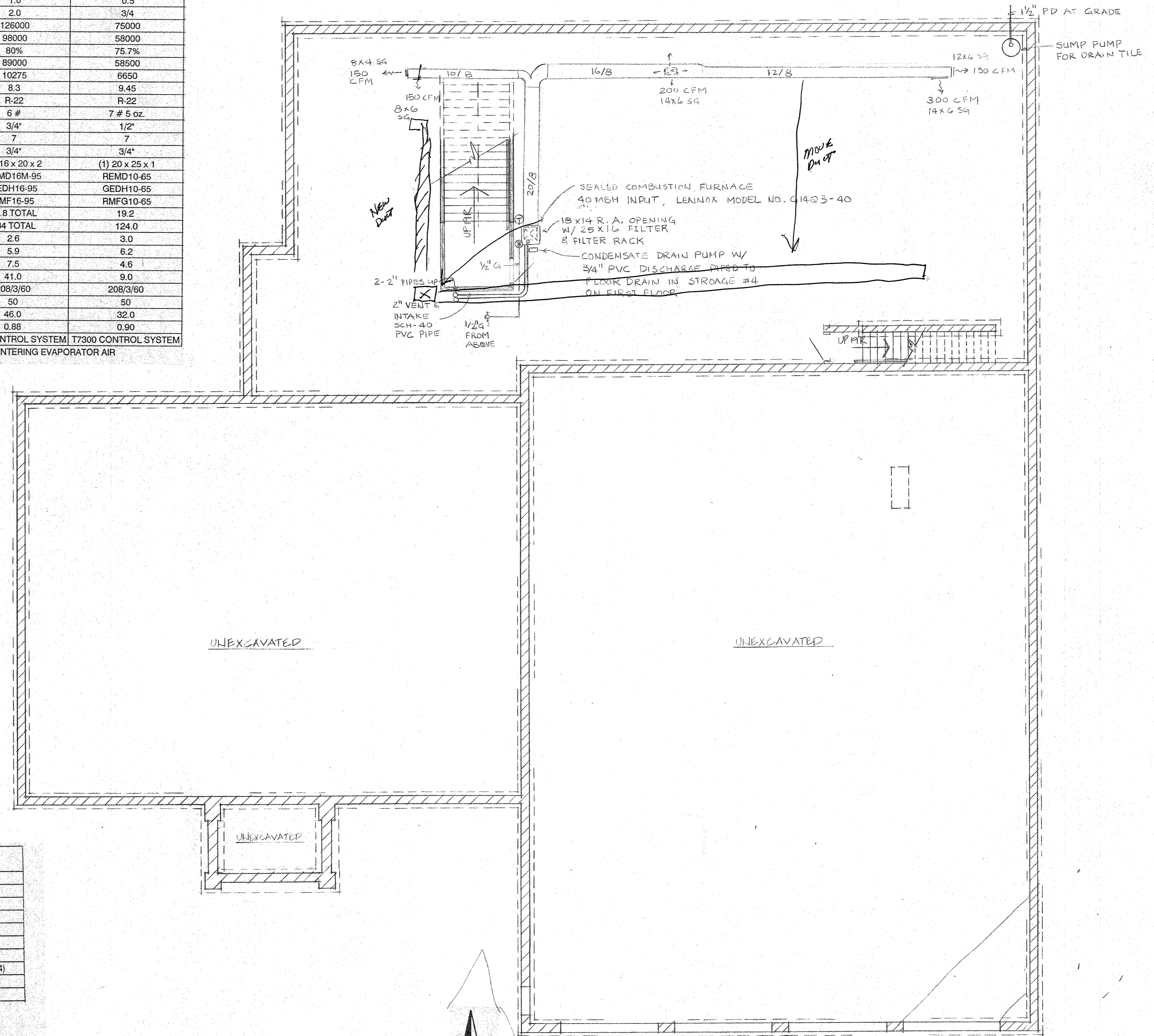
INFRA-RED HEATER SCHEDULE

Table with columns: TAG NO., MODEL NO., LOCATION, TYPE, HEATING, CAPACITY, NATURAL GAS, SUPPLY, MOUNTING, ELEC. SUPPLY. Lists three infrared heater models.

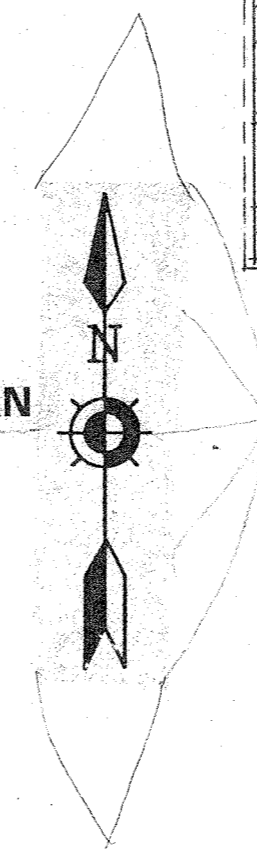
NOTE: PROVIDE HEAT DEFLECTORS FOR ALL INFRA-RED HEATERS. HEAT DEFLECTORS SHALL BE SUPPLIED BY INFRA-RED HEATER MANUFACTURER/SUPPLIER.

ROOF TOP UNIT SCHEDULE

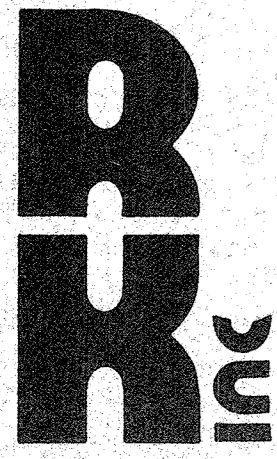
Table with columns: TAG NO., MODEL NO., LOCATION, TYPE, CFM, E.S.P., MOTOR, HEATING, CAPACITY, COOLING, CAPACITY, NATURAL GAS, SUPPLY, COND. DRAIN, NO. & SIZE OF FILTERS, ECONOMIZER, EXHAUST DAMPER, ROOF MOUNTING FRAME/DUCT OPENINGS, ELECTRICAL DATA, ELEC. SUPPLY, MAXIMUM FUSE SIZE, MINIMUM CIRCUIT AMPACITY, POWER FACTOR, CONTROL SYSTEM. Rows include RTU-1 and RTU-2.

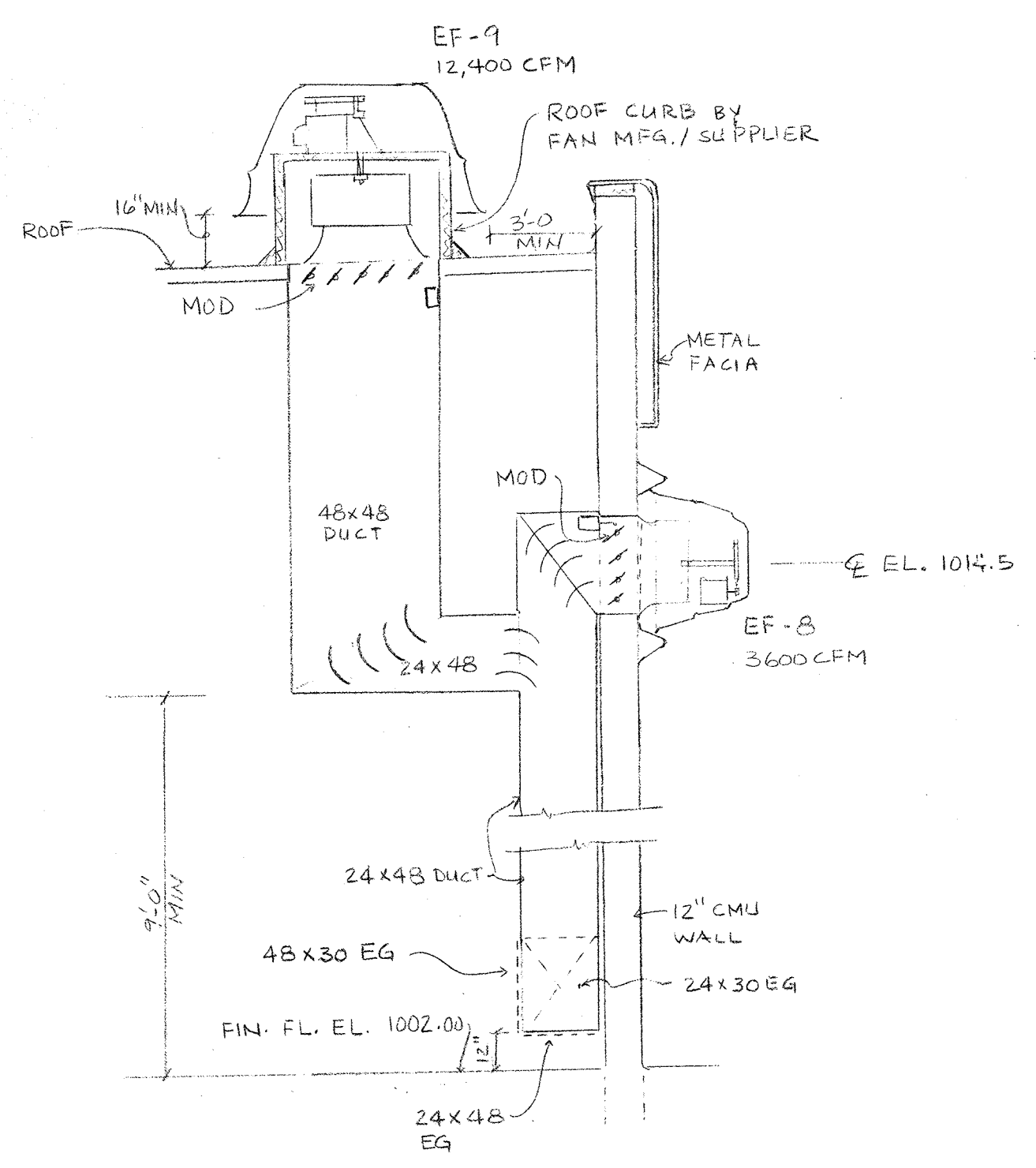


BASEMENT MECHANICAL FLOOR PLAN 1/8"=1'-0"

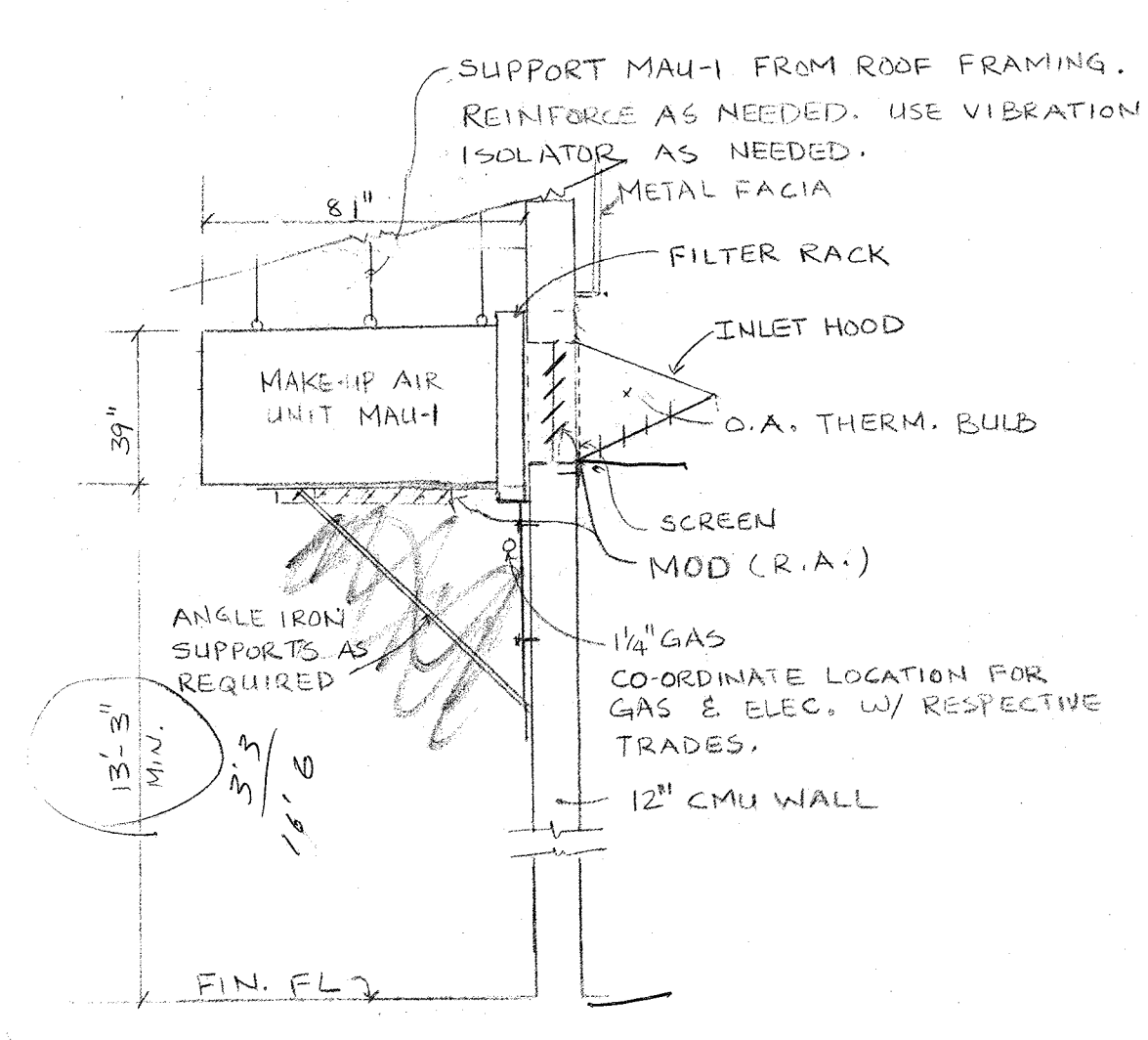


NOTES 1. FOR ALTERNATE DELETE FOLLOWING: - GAS PIPING IN BASEMENT - FURNACE & T-STAT - DUCTWORK - 2" SCH-40 PVC PIPES - SUMP PUMP & PIPING

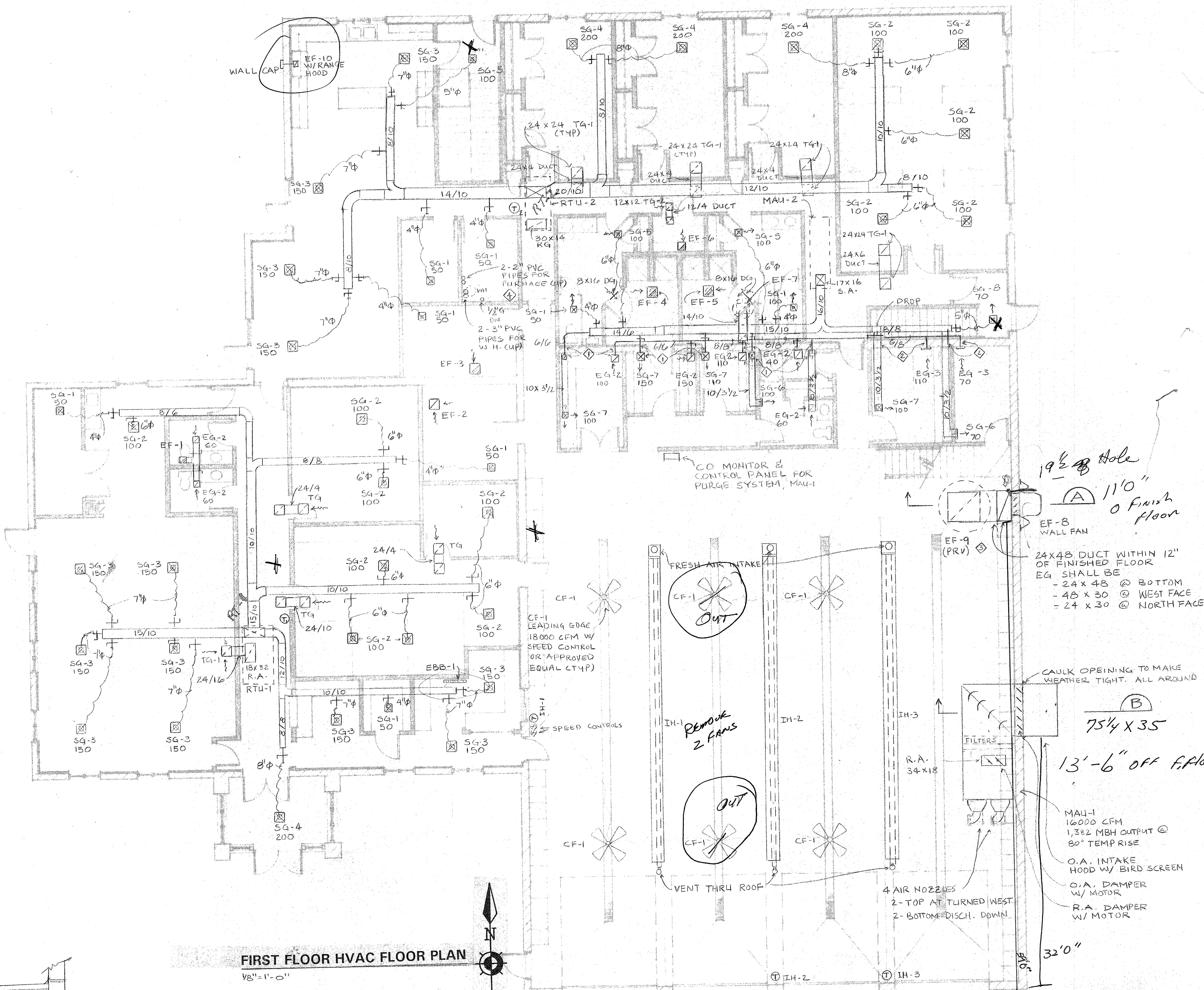




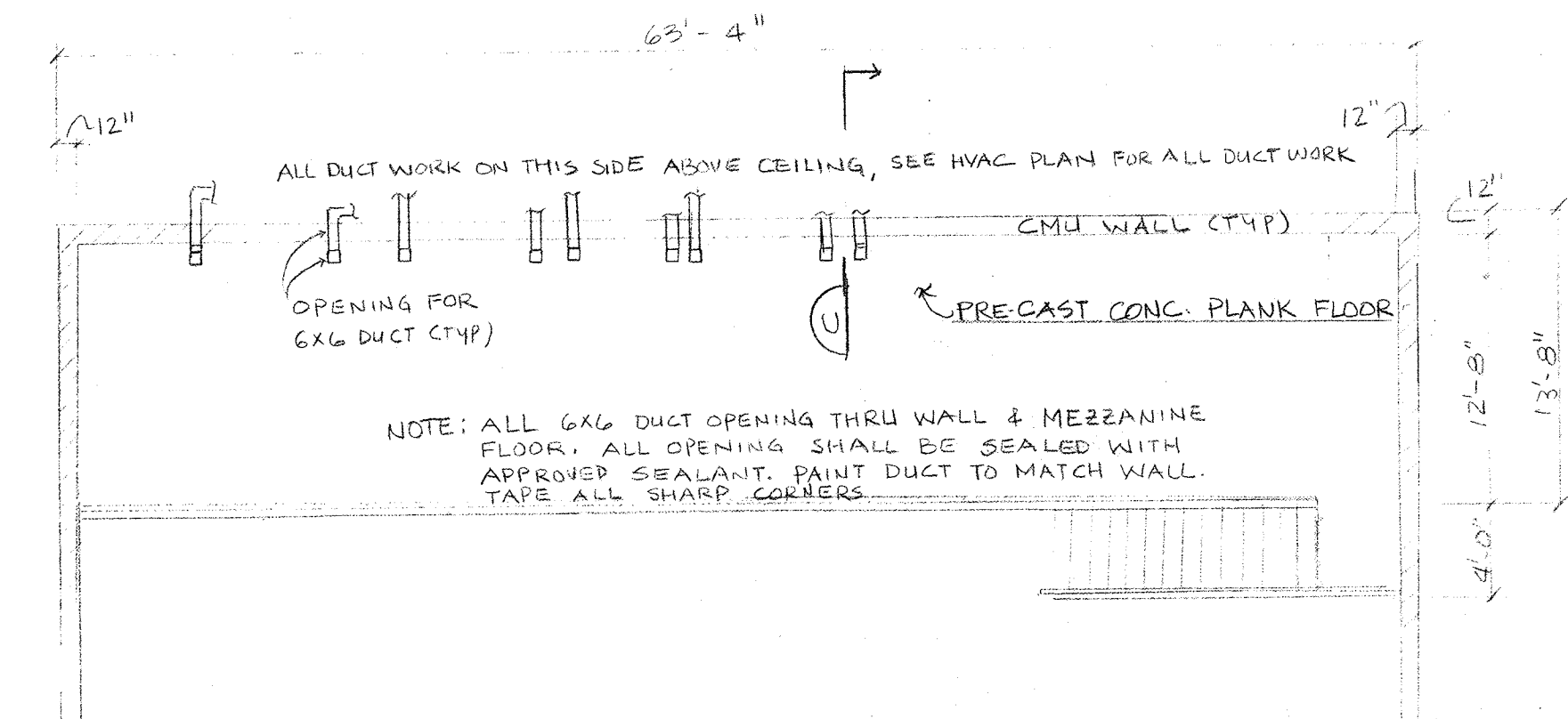
SECTION - A
NTS



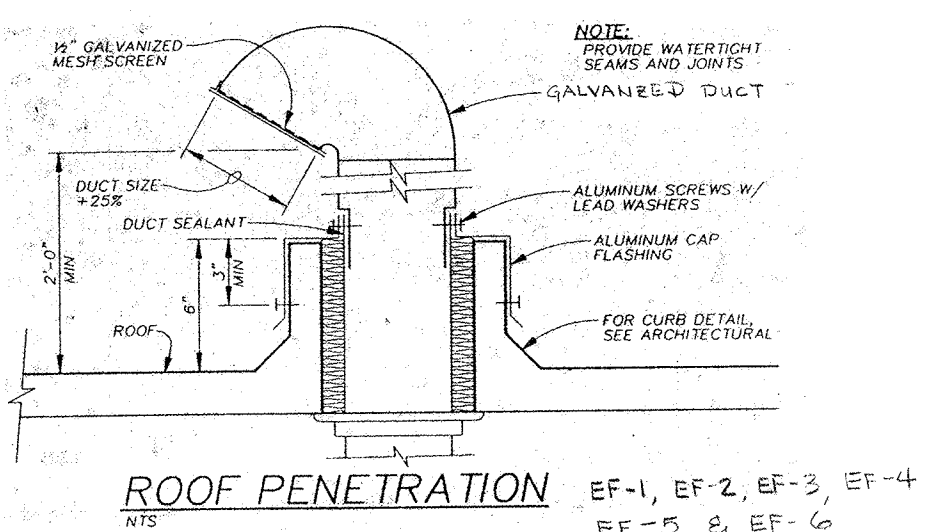
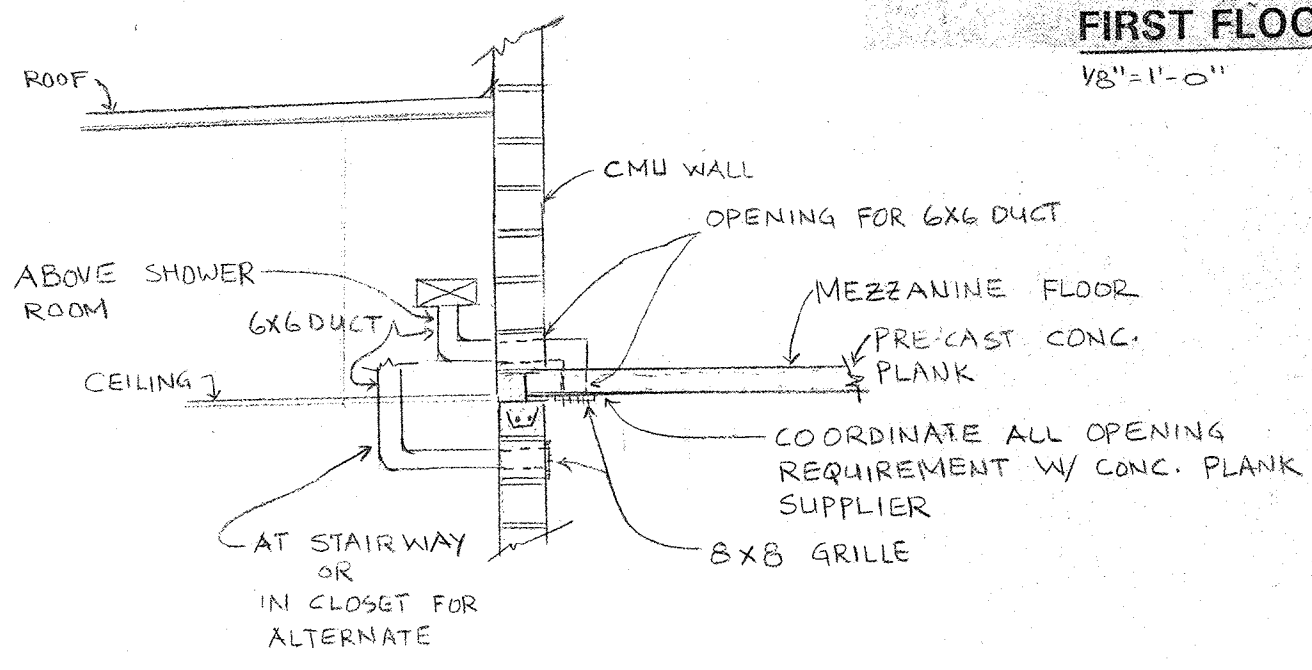
SECTION - B
NTS



FIRST FLOOR HVAC FLOOR PLAN
1/8" = 1' - 0"



SECTION - C
NTS

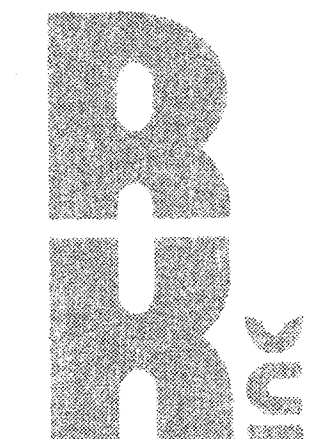


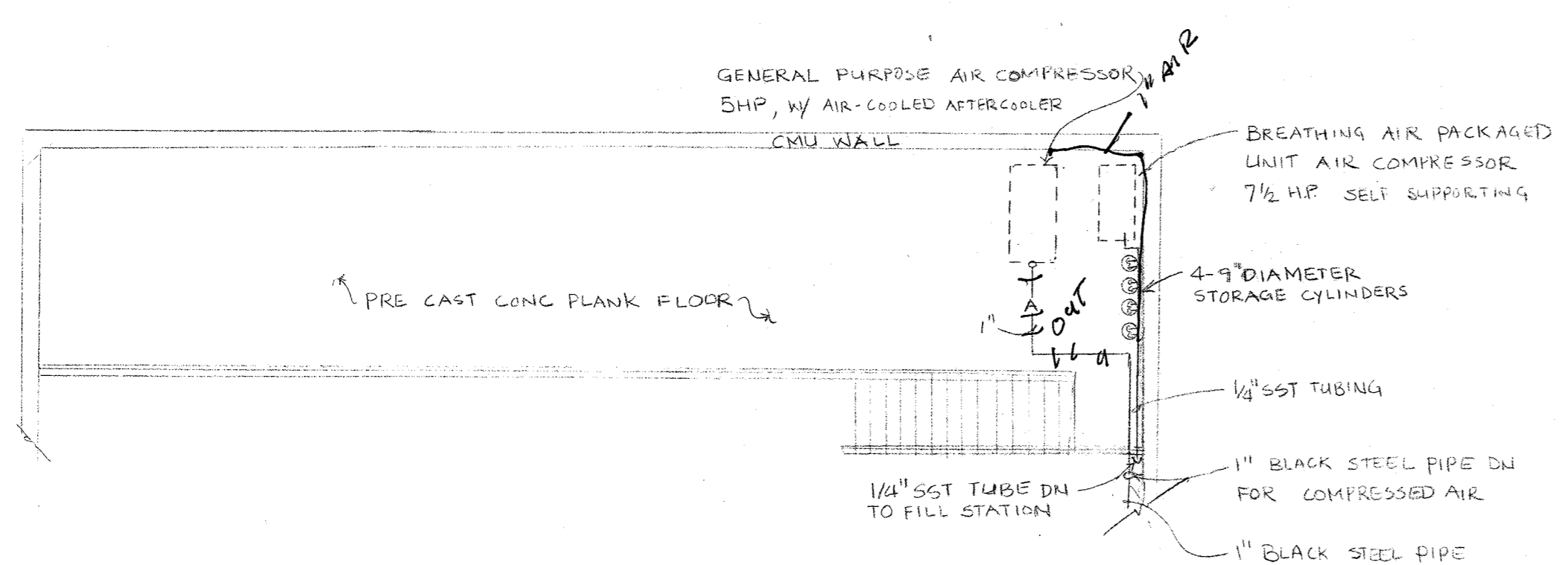
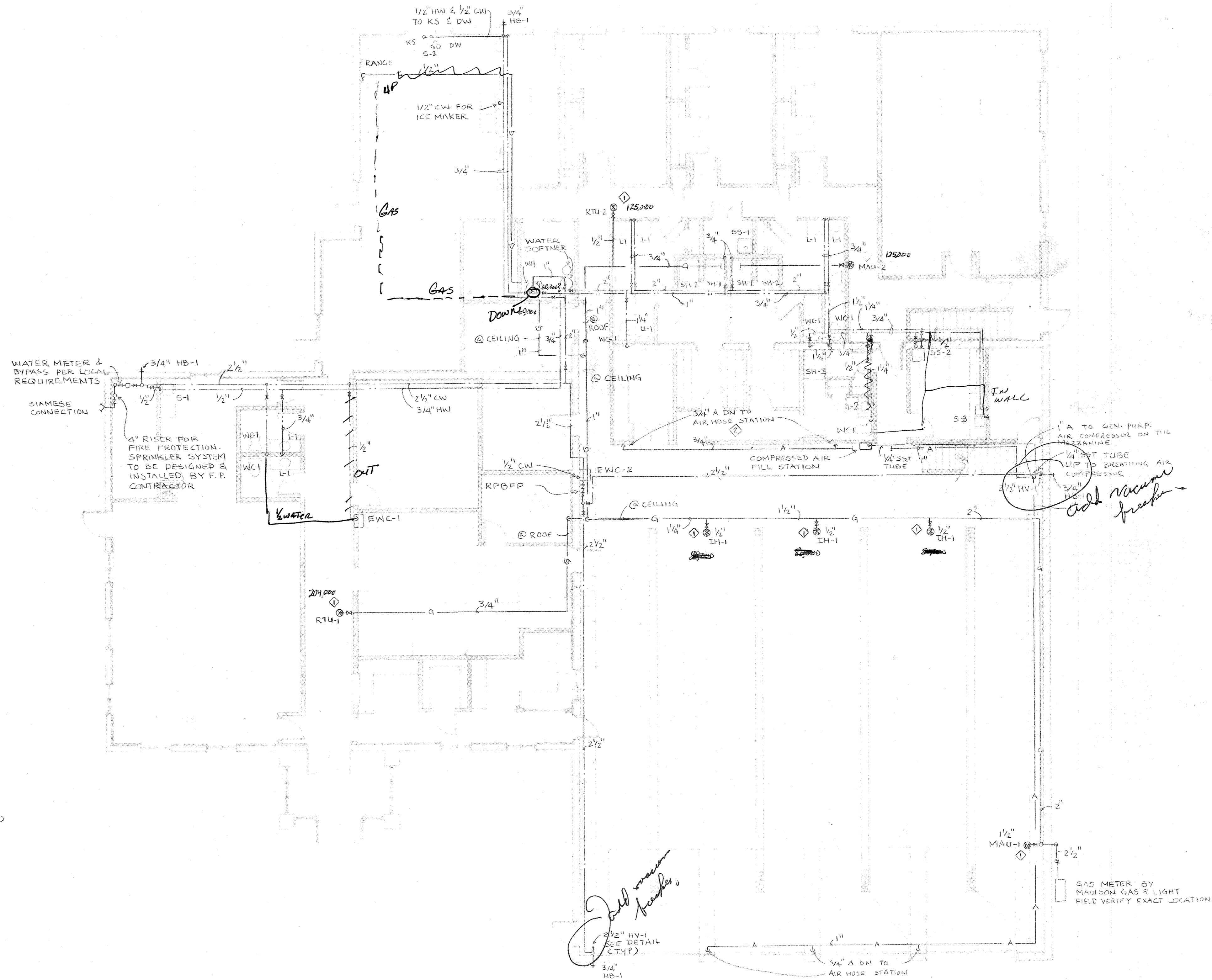
GENERAL NOTES

1. HVAC CONTRACTOR TO MAKE FINAL GAS CONNECTION W/ REQUIRED UNIONS DRIP LEAF, REGULATORS ETC. TO ALL HVAC EQUIP.
2. HVAC CONTRACTOR TO INSTALL FIRE DAMPERS AT ALL DUCT OPENINGS IN RATED WALL.
3. ALL PIPE OPENING SHALL BE CAULKED W/ FIRE RATED CAULK PER CODE REQUIREMENT.
4. ALL GRILLES, DIFFUSER & REGISTER BASED ON "NAILED" MFG. CO. PRODUCTS.
5. CO-ORDINATE LOCATION OF ELEC. FIXTURES, CEILING TILES, GRILLES AND DIFFUSERS WITH RESPECTIVE TRADES.

PLAN NOTES:

- 1. 6"x6" OPENING THRU FLOOR & WALL, 6/6 DUCT
- 2. 6"x6" OPENING THRU WALL, 6/6 DUCT
- 3. COORDINATE LOCATION & SPACING REQUIREMENT W/ OTHER TRADES FOR ROOF TRUSSES, LOCKERS AND PLUMBING.
- 4. 2" PVC - PIPES NOT REQUIRED FOR ALTERNATE





NOTE: INSTALL BOTH AIR COMPRESSORS W/ VIBRATION ISOLATOR TO REDUCE NOISE & VIBRATION. VIBRATION ISOLATORS SHALL BE AS P24 MFG. RECOMMENDED.

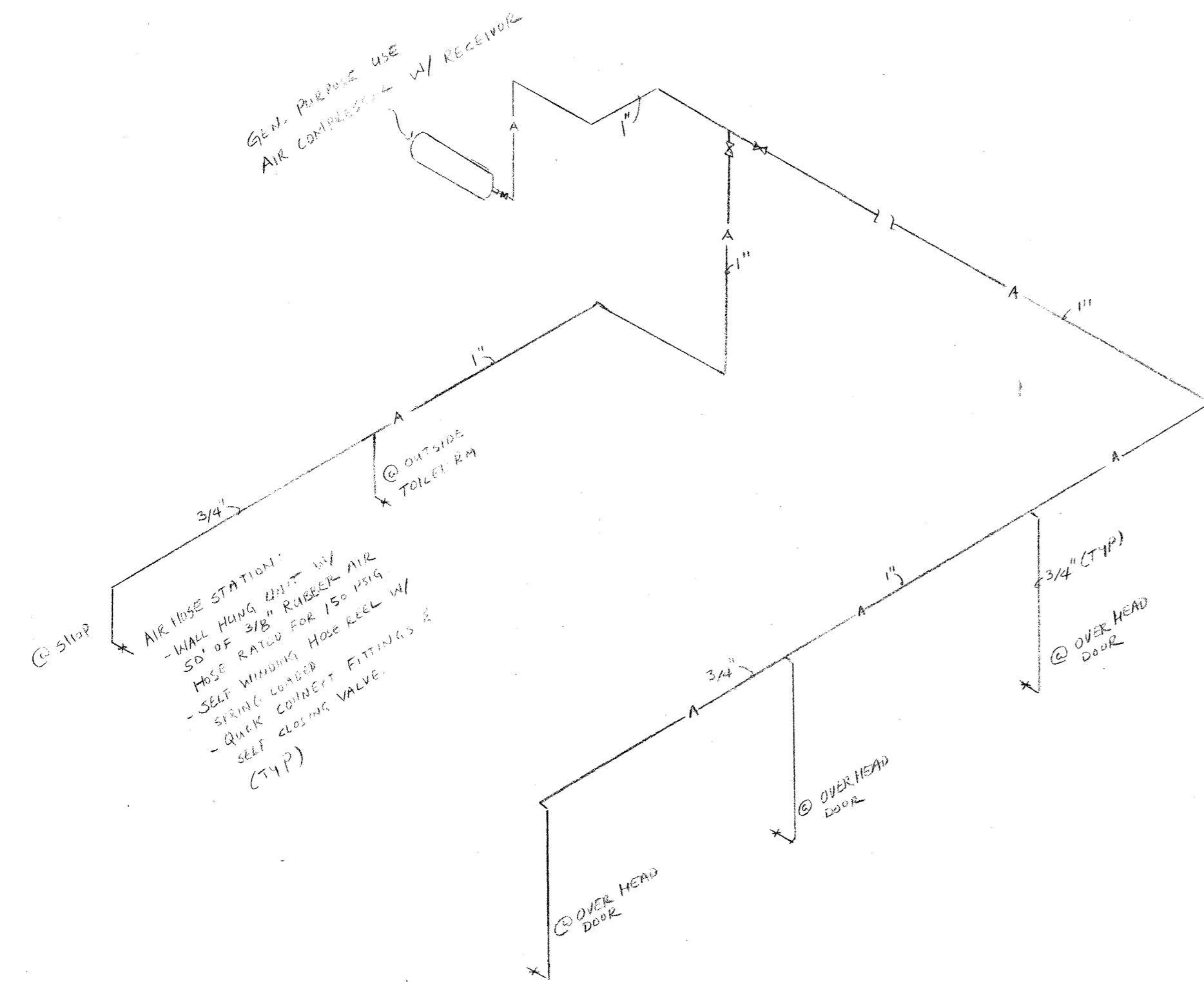
MEZZANINE PLAN
1/8" = 1'-0"

PLUMBING SUPPLY PLAN
1/8" = 1'-0"

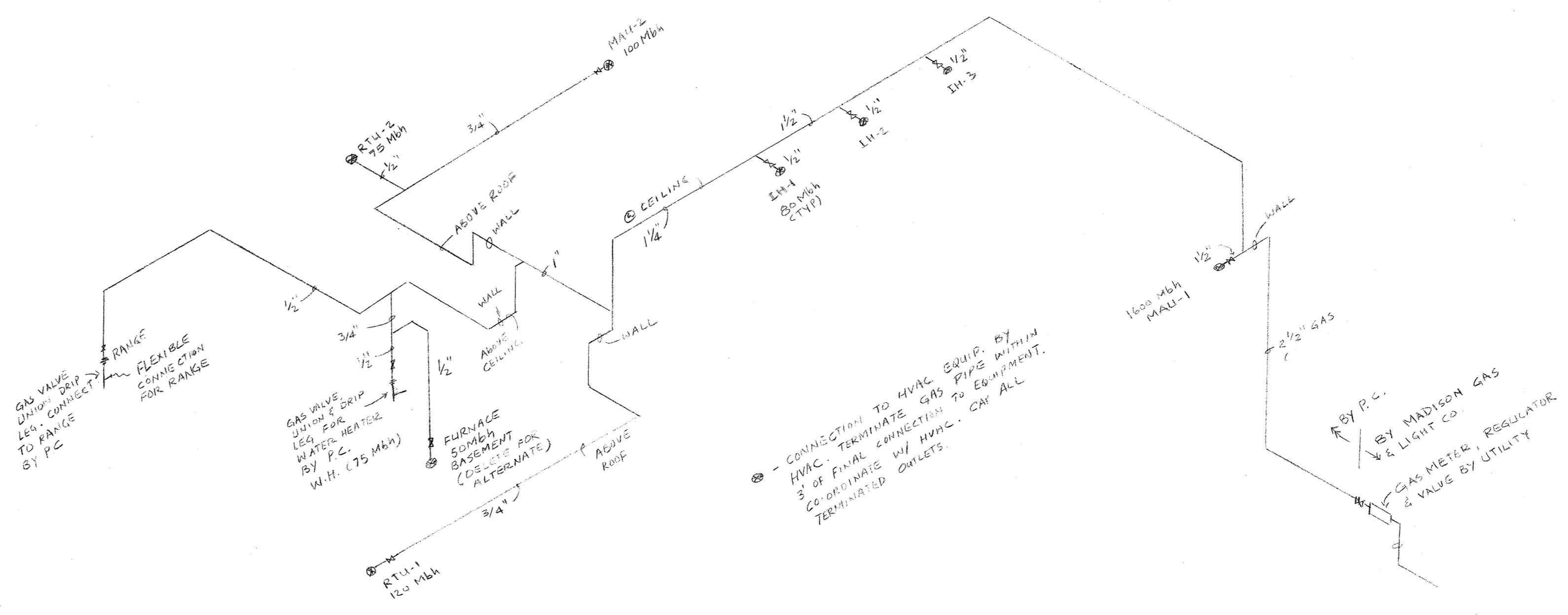


- PLAN NOTES:**
- ① P.C. TO INSTALL GAS VALVES AND CAP. HVAC TO MAKE FINAL CONNECTIONS. CO-ORDINATE LOCATION WITHIN 5' OF FINAL CONNECTION.
 - ② AIR HOSE STATION SHALL BE SELF WINDING, SPRING COILED TYPE WITH 50' OF 3/8" Ø AIR HOSE & STD ADAPTER W/ SELF CLOSING VALVE. AIR HOSE SHALL BE RATED FOR 150 PSIG. SUBMIT DATA FOR APPROVAL BEFORE ORDERING AIR HOSE STATION, AIR HOSE & QUICK DISCONNECTS.

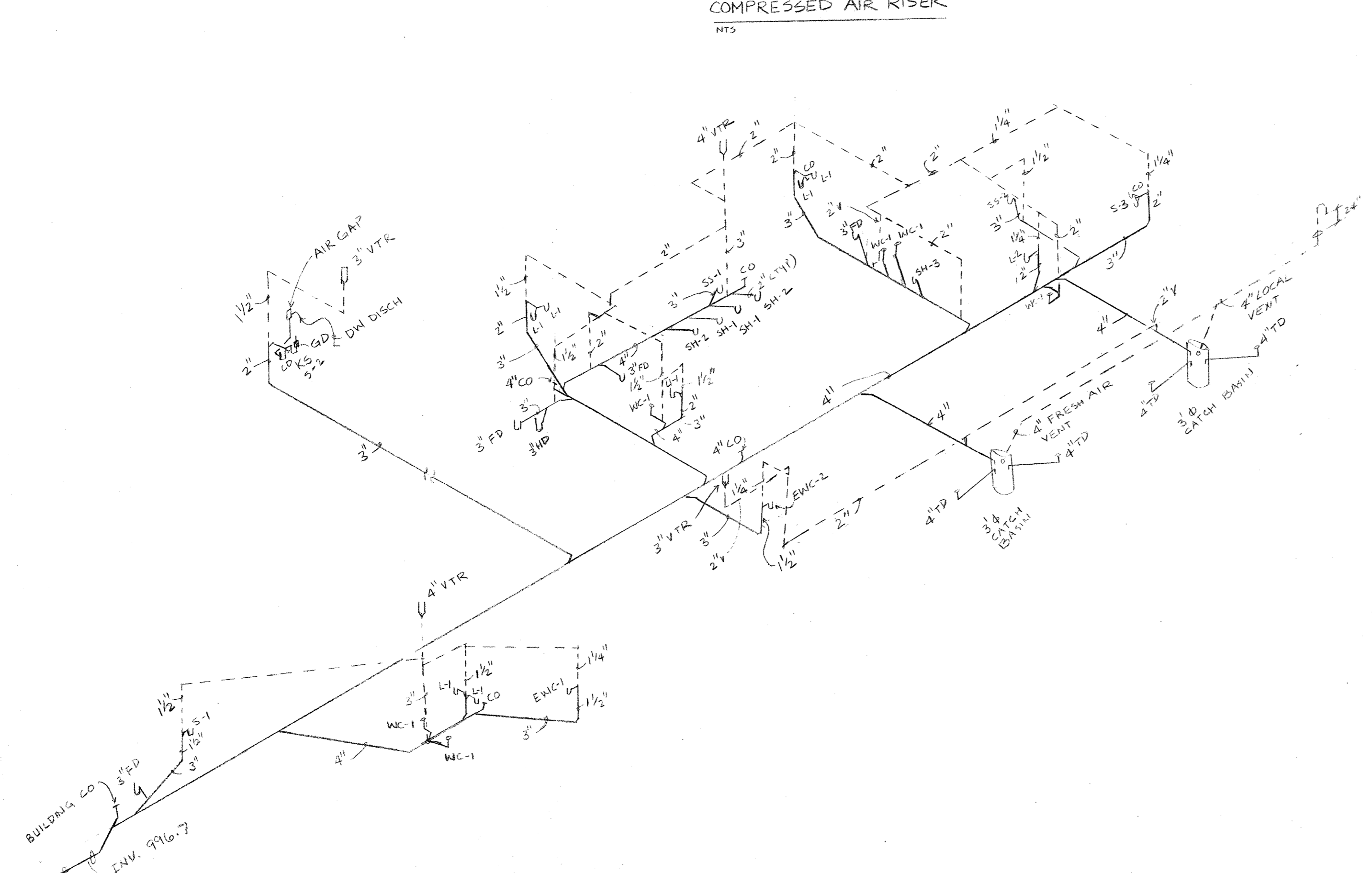




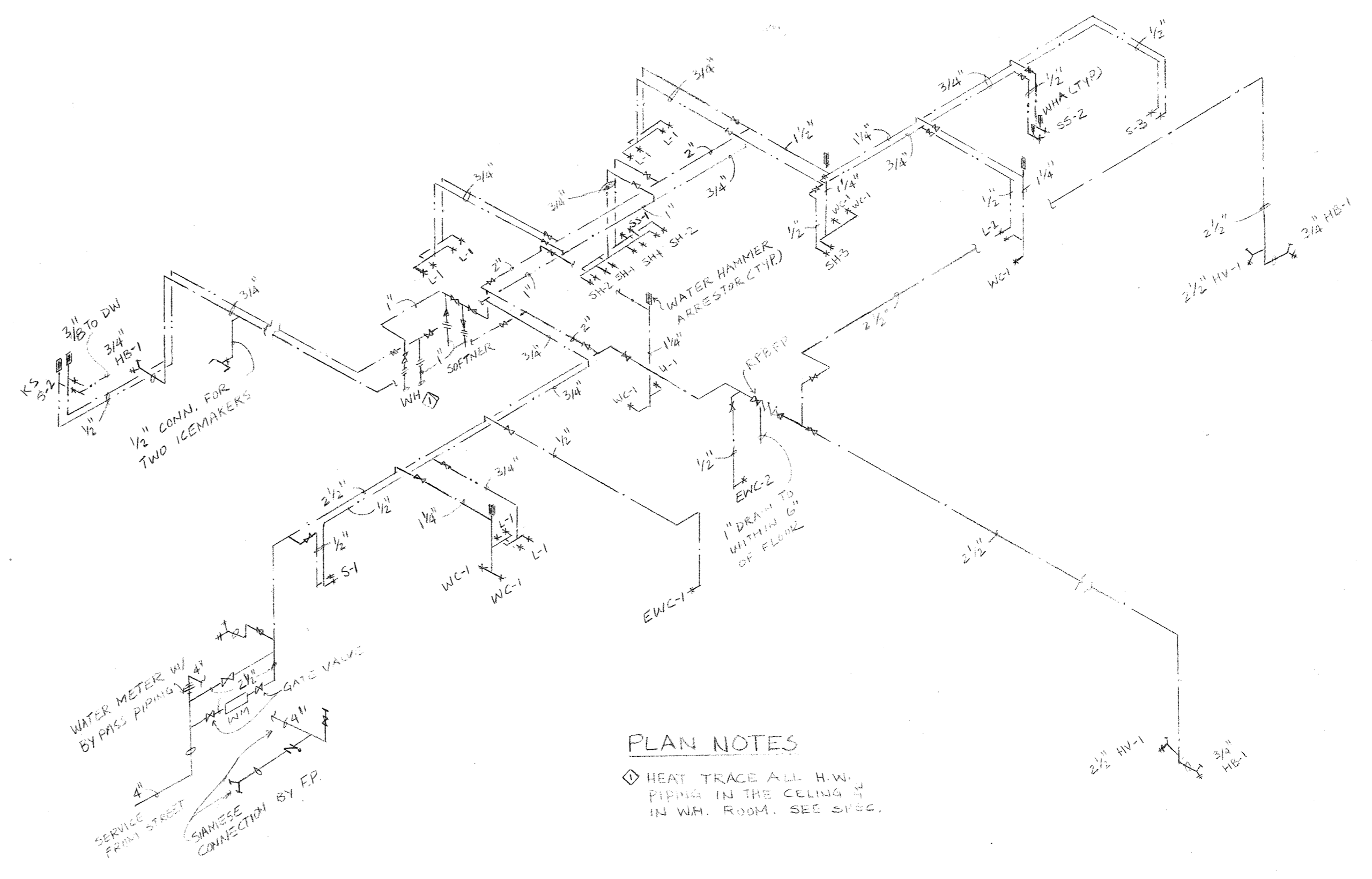
COMPRESSED AIR RISER
NTS



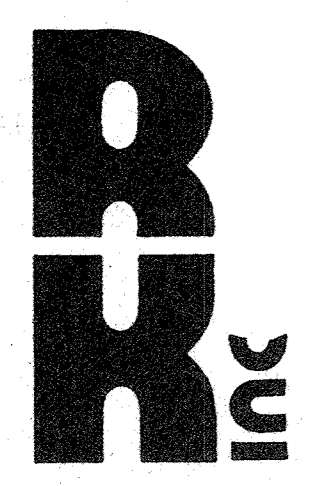
NATURAL GAS RISER
NTS

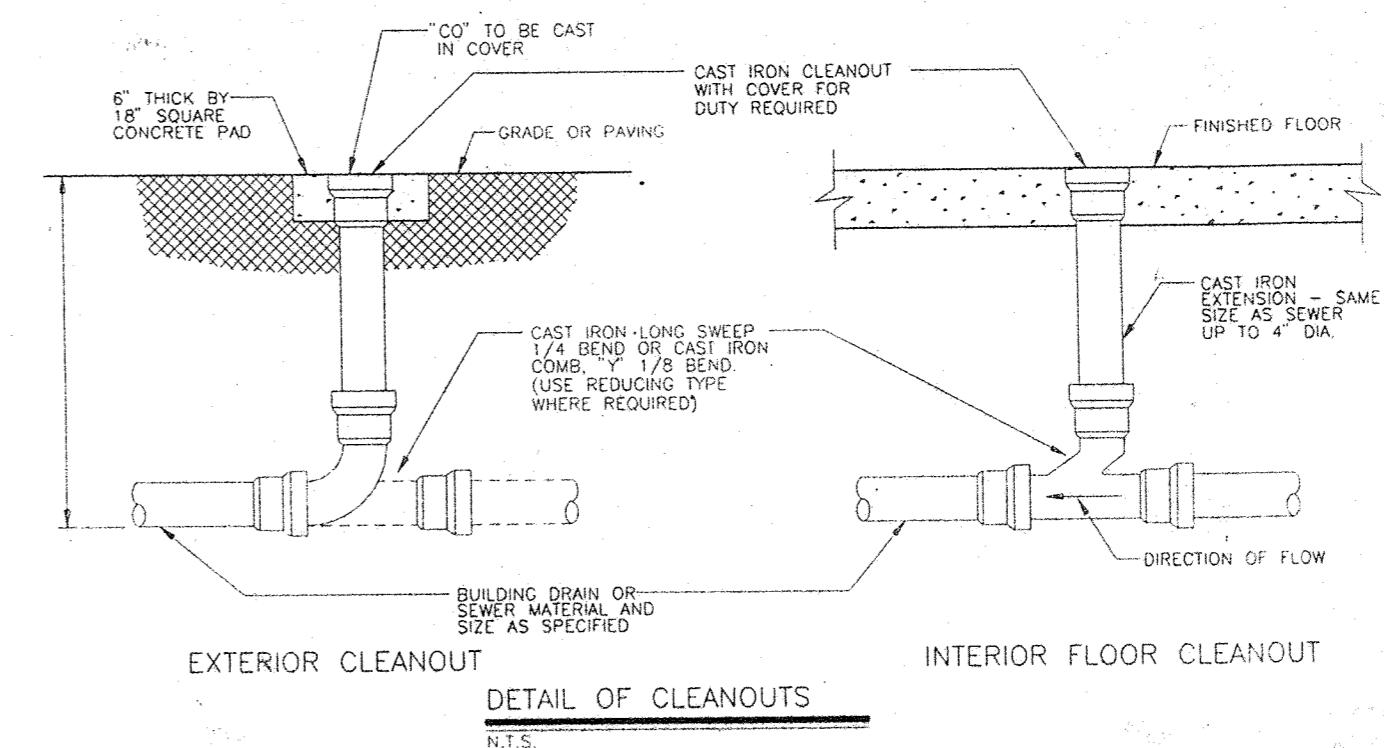


WASTE & VENT RISER
NTS

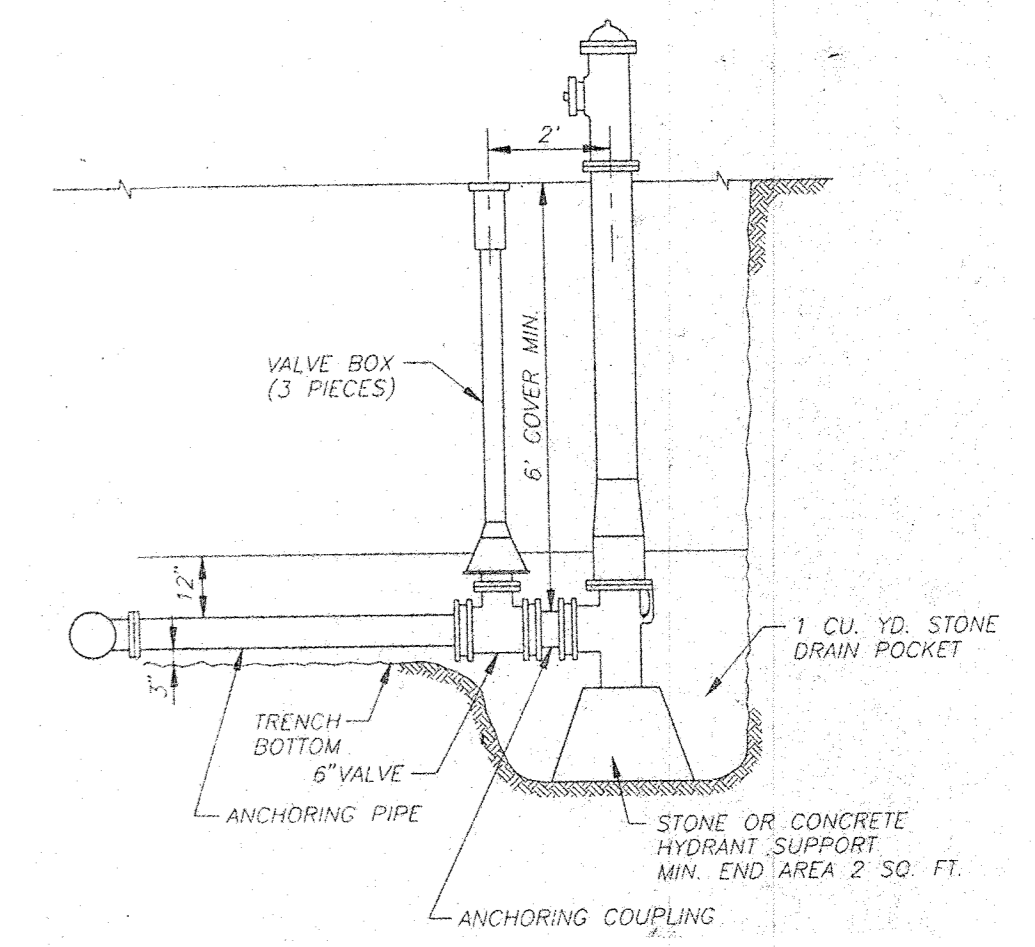


SUPPLY RISER
NTS

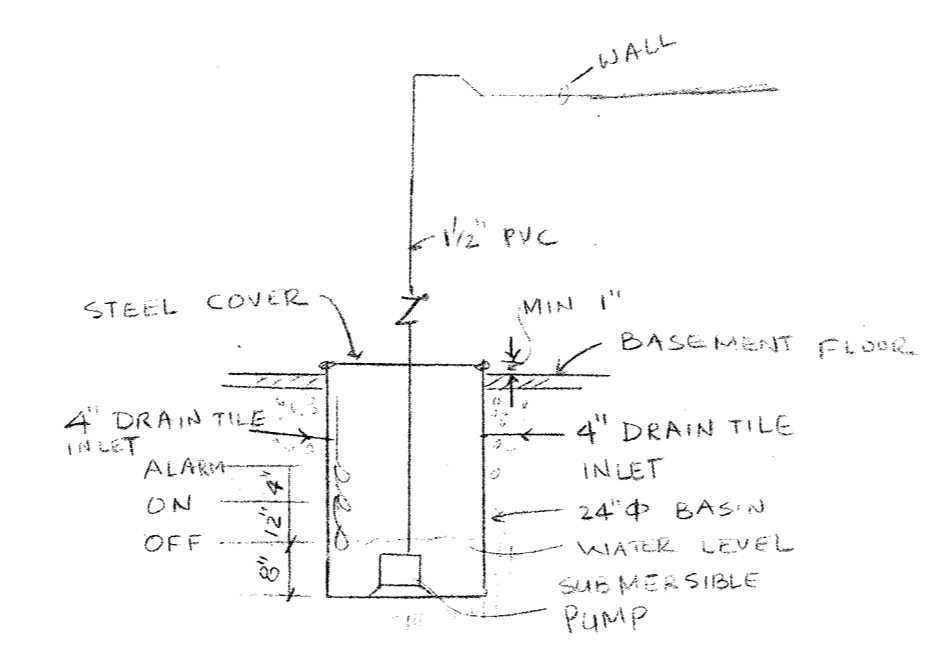




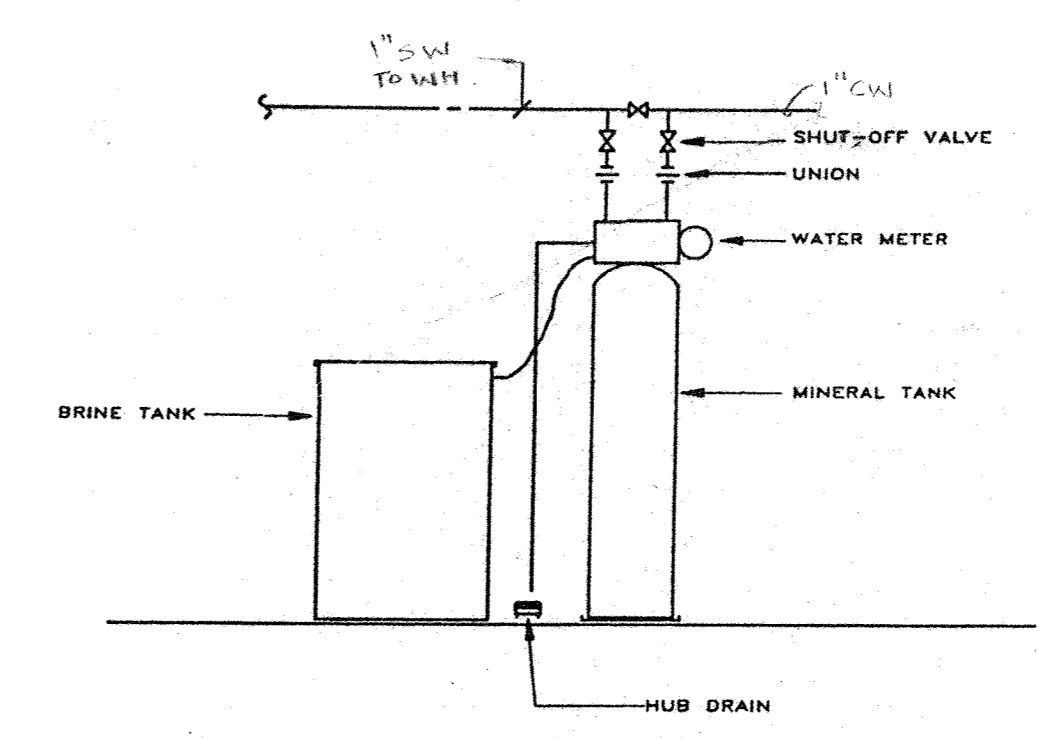
EXTERIOR CLEANOUT INTERIOR FLOOR CLEANOUT
DETAIL OF CLEANOUTS
 N.T.S.



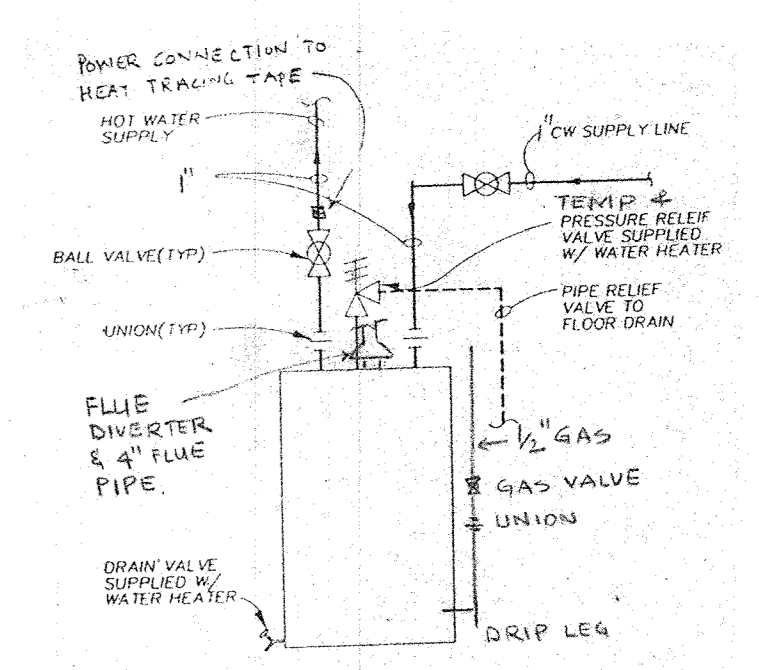
FIRE HYDRANT
 N.T.S.



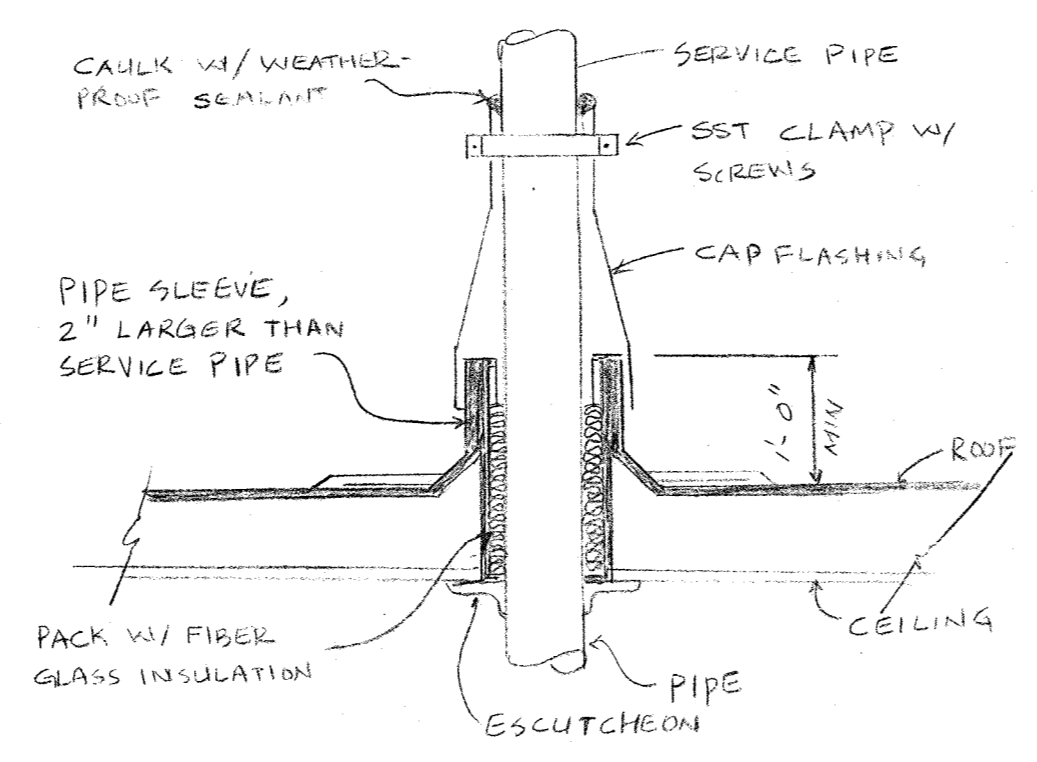
SUMP PUMP
 N.T.S.



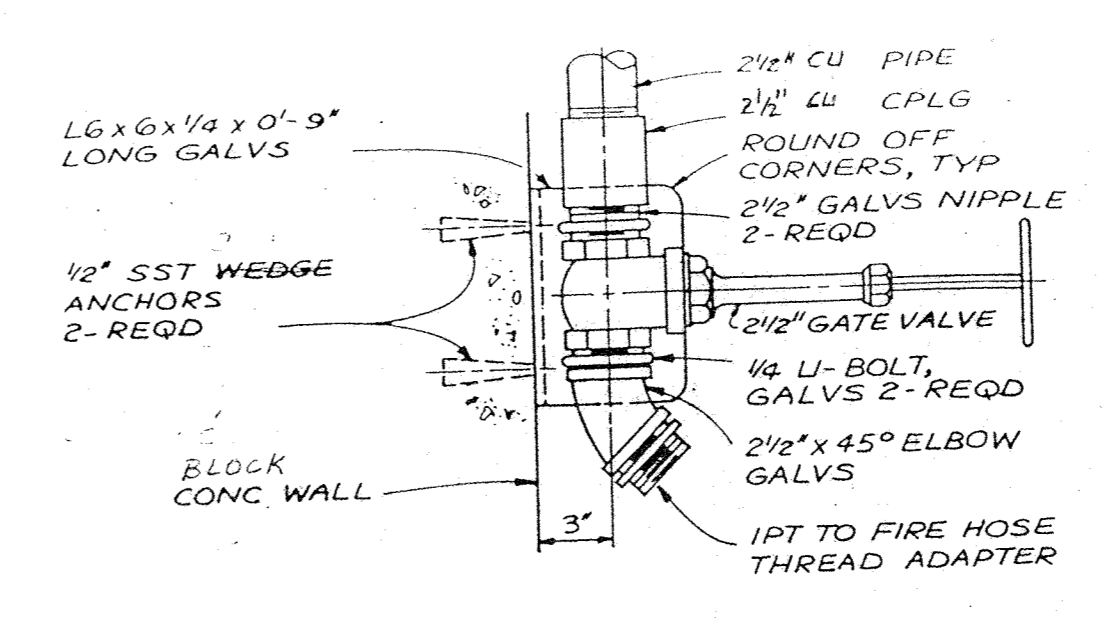
WATER SOFTENER PIPING DETAIL
 NO SCALE



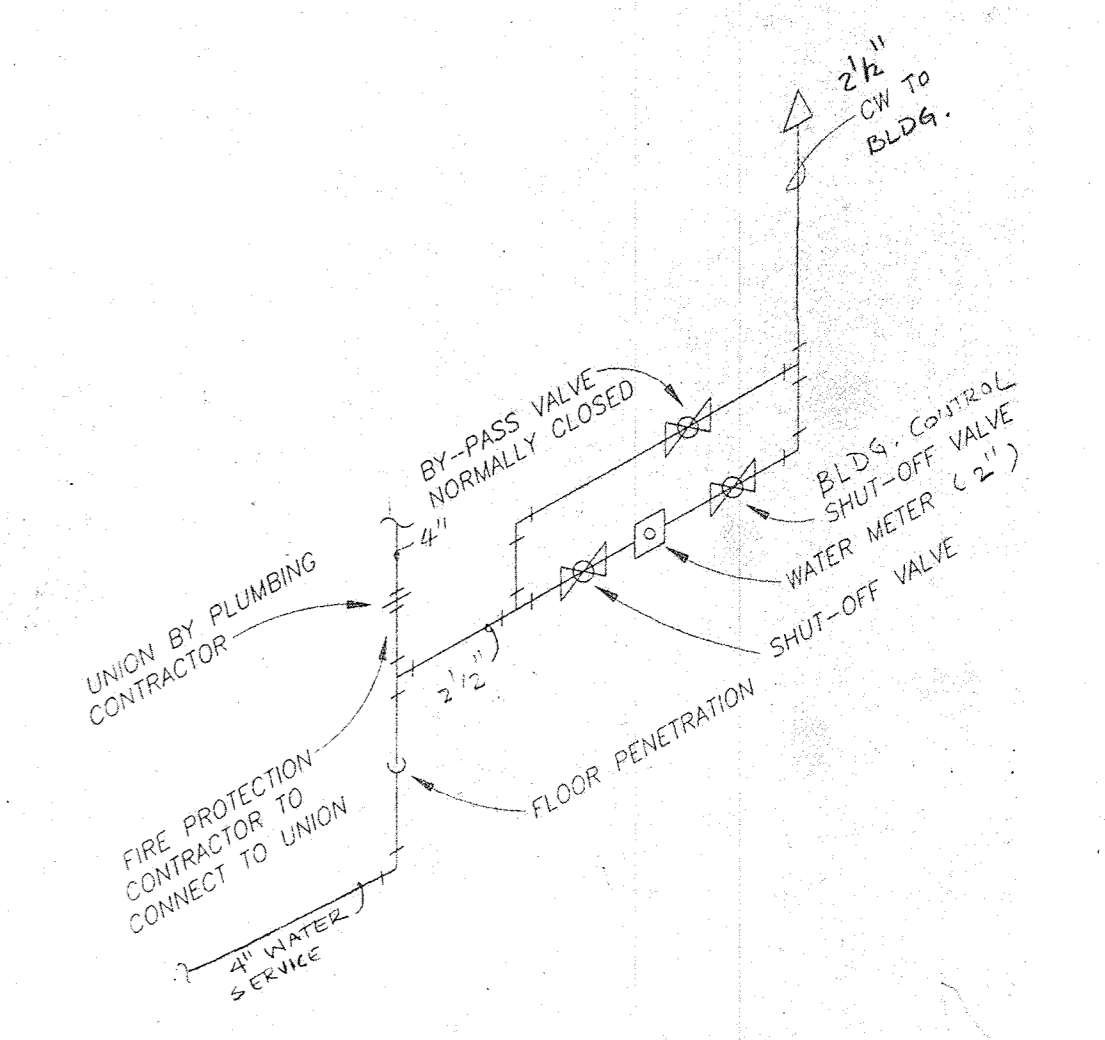
WATER HEATER
 N.T.S.



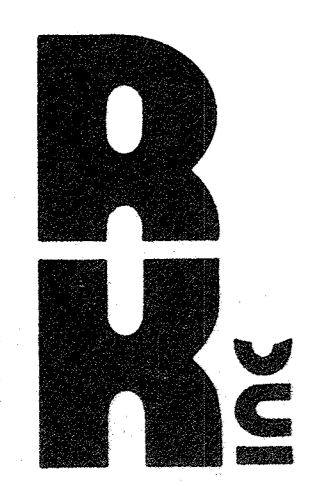
ROOF PENETRATION
 N.T.S.

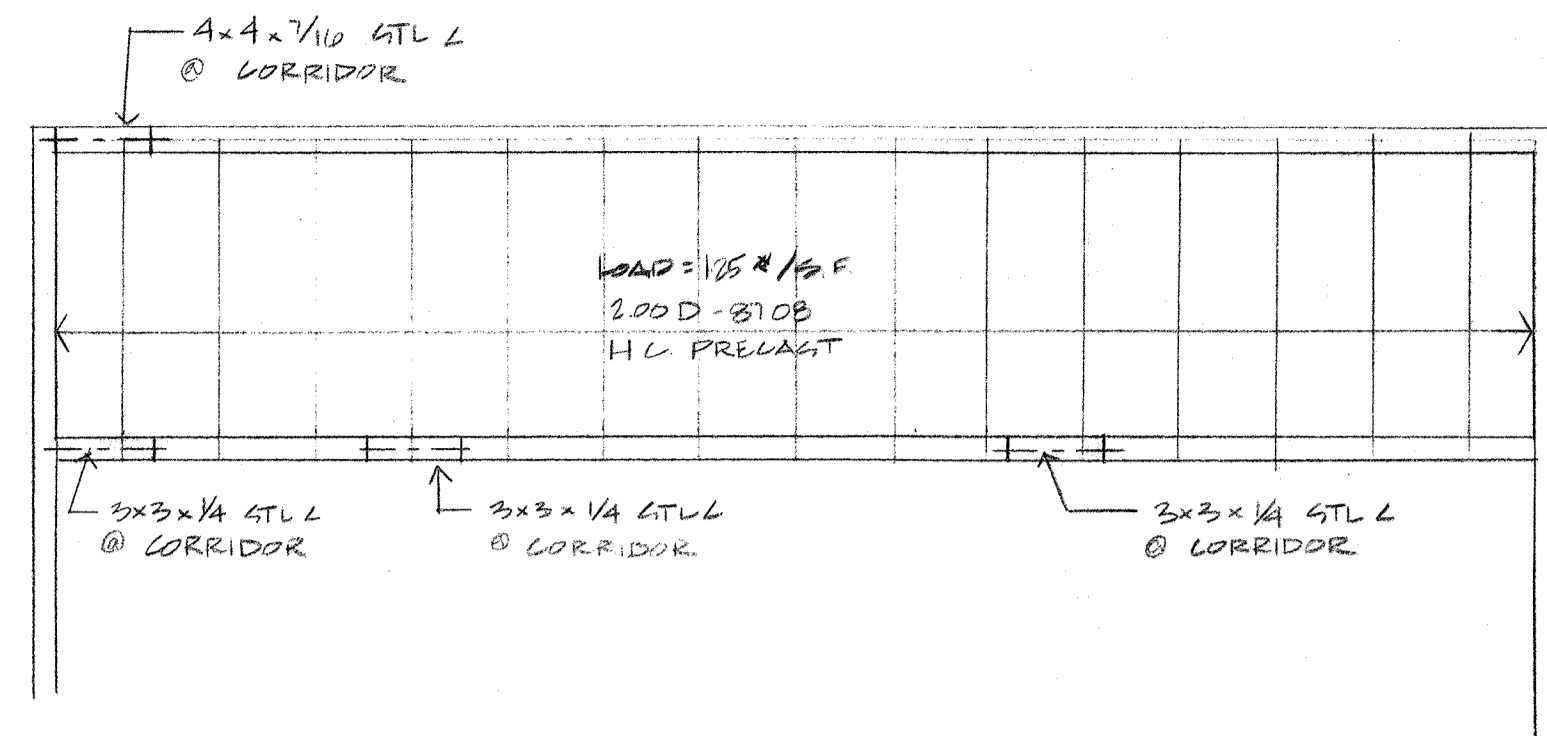


HV-1 HOSE VALVE DETAIL
 N.T.S.

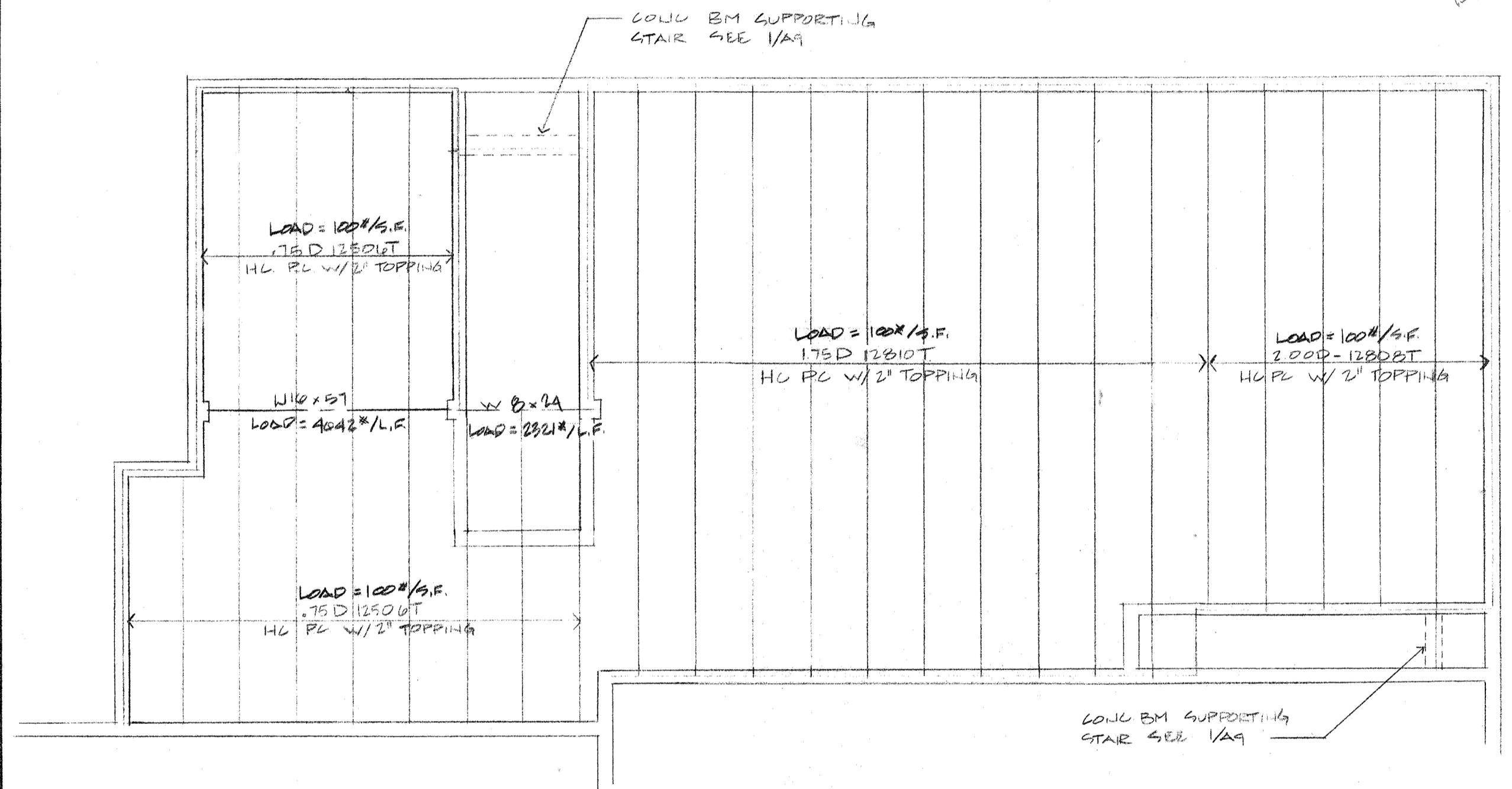


WATER METER & BYPASS PIPING
 N.T.S.





3 MEZZANINE FRAMING PLAN
1/8"=1'-0"



2 FLOOR FRAMING PLAN
1/8"=1'-0"



1 ROOF FRAMING PLAN
1/8"=1'-0"

4 ROWS OF BRG @ 2'-10" O.C. W/DIAGONAL BRG @ MIDSPAN OF JOIST BOLTED CONNECTIONS @ CORNERS + INTERSECTIONS

5 ROWS OF BRG @ 11'-0" O.C.

Joist added See Roof Drawing

- △ NO CHANGE
- △ MODIFICATION NO. 2 3-18-93
- △ NO CHANGE
- △ REVISION BY OWNER 6-4-93
- △ NO CHANGE

