

Dutchess County Department of Public Works
626 Dutchess Turnpike
Poughkeepsie, NY 12603
Email: dpwcontracts@dutchessny.gov

**Temporary Homeless Shelter at 150 N. Hamilton St., Poughkeepsie
RFB-DCB-01-24**

ADDENDUM # 1

To: ALL PROSPECTIVE BIDDERS

FROM: Dutchess County Department of Public Works

Date: February 7, 2024

Re: Questions & Answers, Clarifications, Revisions and Attachments

The purpose of this addendum is to notify all prospective bidders of the following:

- Q1. Please provide a scope of work for pre-construction Deep Cleaning. Which building elements are to be cleaned? What products and processes to be used?
- A1. Drawing G-100, 10-Cleaning, Item 3 is clear on methodology, scope, and areas/items to be cleaned.
- Q2. Please provide 1st and 2nd floor deck heights.
- A2. Existing floor deck heights will be addressed in Addendum 1 with the existing construction drawings included for reference.
- Q3. A-101 Keynote D3, "Modify existing door hardware/controls for egress compliance. Coordinate with MEP prime contractor and drawings for additional information." Could you point me towards any additional information? Not apparent in the electrical plans. What is required at existing cell doors? What is required at other detention doors?
- A3. Each detention door has different new egress and access requirements, we feel that the information we provided to be presented in Addendum 1 will clarify and address this question.

In the Project Manual, CLARIFICATION: All bidders may disregard the last 353 pages of the specification. Divisions 21-33 and the Existing Conditions Reference Photos have been duplicated and can be eliminated.

Section 011000, Summary of Work, Sec. 1.4, Attachments, Special Notes: Contract #1 – General Work Contractor, Item 12. ADD: See Detail 1/G-101.

Section 011000, Summary of Work, Sec. 1.4, Attachments, Special Notes: Contract #1 – General Work Contractor, Item 18. ADD: and C-200.

Section 011000, Summary of Work, Sec. 1.7, Attachments, Special Notes: Contract #4 – Plumbing Work Contractor, Item 10. MODIFY as follows: All sanitary and water distribution piping work is by the Plumbing Contractor. All demolition, backfill (approved materials), compaction, concrete, and patchwork for plumbing piping (interior/subslab) is by the Plumbing Work Contractor unless noted otherwise.

Section 011000, Summary of Work, Sec. 1.19, Additional Requirements, Item 40, MODIFY as follows: All Contractors and their employees, subcontractors and suppliers are expressly forbidden from entering occupied areas of the site and jail building without prior written permission of the Construction Manager and for using any of its facilities.

Section 015000, Temporary Facilities and Controls, Site Staging Attachment, INSERT the attached site diagram.

Drawing A-101, at the Property Storage area, the General Work Contractor is to remove existing paint on floor and prep for new flooring installation.

Drawing A-101, Demolition Scope Note D5, ADD: Where there is an existing double window and the design intent is to remove one window and install a new hollow metal door frame, the existing window panel is to remain. If this is not possible due to existing construction systems, the General Works Contractor shall provide a new hollow metal window sidelight to match the existing opening.

Drawing A-101, Demolition Scope Note D11, REPLACE with the following: The Plumbing Work Contractor is to saw cut and remove existing floor finish and concrete slab. The Plumbing Work Contractor is to make every effort to minimize the width of any trenching while meeting the specifications. See MEP drawings for more information.

Drawing A-102, Rooms 207B and 201B, at the areas indicated for the new toilet rooms installations (identified by Note D14, ADD: The General Work Contractor is to remove the existing VCT flooring and prepare the substrate for the new resinous flooring installation.

Drawing A-104, ADD the following clarifications:

1. At Code Blue 116 single user toilet room, the existing gypsum board ceiling is to remain and shall be patched by the Plumbing Work Contractor as may be required by Second Floor plumbing work.

2. Material Schedule – Interior Finishes: All ceiling work scheduled as GYP-1, will be primed and painted with PNT-1 by the General Work Contractor.
3. Material Schedule – Interior Finishes, ACT-1, change size 12" x 12" to 24' x 24".
4. Where new construction walls are to attach to existing walls where fintube heating elements are existing, the new construction will be scribed around the fintube cover with no more than ¼" gap which shall be sealed. Modification to the heating system is not planned. Where new doors are adjacent to fintube heating elements, the doors shall be set 4" from the face of the wall to avoid conflict with the fintube cover.
5. New Work Scope Notes: The General Work Contractor is responsible for Notes 2, 9, 11 and 14.
6. At Women 104D and Men 104E, delete New Work Scope Note 16 and add New Work Scope Note 17 as follows: The General Work Contractor is to replace the existing concrete floor, reference Detail 1/G101.

Drawing A-105, ADD the following clarifications:

1. At Rooms 207B and 201B, new single user toilet rooms, the existing gypsum board ceiling is to remain and shall be cleaned, patched, primed and painted with PNT-1 by the General Work Contractor.
2. At Rooms Men 207 and Women 201:
 - a. Where the new washers and dryers are scheduled for installation per Detail 2/A-105, the existing five wall mounted telephone units at each location are to be removed by the General Work Contractor.
 - b. Where new CPT-1 is scheduled, ADD: See Detail 9/A-105.
3. New Work Scope Notes: The General Work Contractor is responsible for Notes 2 and 15.
4. Detail 10/A-105, Aluminum Threshold shall be provided at Doors 121, 125, 127, 205 and 210 by the General Work Contractor.

Drawing A-200, ADD the following clarifications:

1. At Rooms Code Blue 116, 207B and 201B, the new single user toilet rooms, the existing gypsum board ceiling is to remain and shall be cleaned, patched, primed and painted with PNT-1 by the General Work Contractor; Elevations 11 and 6, showing Detail 13/A-200 will not apply. At Women 104D and Men 104E, the General Work Contractor will provide a new GWB ceiling per Detail 13/A-200, finished, primed and painted.
2. At Doors 125 and 127, indicated at Plan Detail 2, ADD: See Detail 10/A-105.
3. At Toilet Room Key Notes, DELETE: CWT and EWC. Items PD, SD, SNR and TD will be furnished by the Owner for installation by the General Work Contractor.

Drawing A-202, ADD the following clarifications:

1. At 1, Enlarged Plan – Security: Door 141, infill wall type will be Type 1-A. At Doors 141, 139A and 139 ADD: See Detail 10/A-105.
2. New Work Scope Notes: The General Work Contractor is responsible for Notes 2, 9, and 11.

Drawing A-600, Door Schedule and Details, ADD the following clarifications:

1. Door Type A, indicates an existing Sleeping Room door with vision panel to remain.
2. Door Type C will be provided with a 10" x 24" tempered glazing vision panel, unrated.
3. Frame Types are included and are to be provided as needed to match existing construction conditions.
4. Door 125, CHANGE Door Hardware Group to #006.

5. Door 141, ADD Door Hardware Group #007.
6. Door(s) 206, the referenced hardware group shall be provided per door as noted in the Hardware Group #010 notes.
7. Add Door ST2-4 to the door schedule and provide door hardware group #011.
8. Door 123, ADD Panic Device ED9700.
9. Door 123, REMOVE Electric Strike, Door Contact, and Card Reader.
10. Door 106, ADD Panic Device ED9700.
11. Door 122, ADD Privacy Latch CDC-76-S.
12. GC to install all door hardware.

CLARIFICATION Section 066400 refers to Plastic Paneling in the Warming Kitchen / Kitchenette. The plastic sheet paneling is expected to run from the top of the cove base to underside of ceiling, on all walls in the Warming Kitchen.

REMOVE Section 081416 Flush Wood Doors from Project Manual.

Sheet A-104 note CLARIFICATION "Work in this area under separate contract (JTC Addition) shown for reference only" appears to be pointing to the Warming Kitchen Callout. This note refers to the wall shown with a gray box.

CHANGE Section 078400, Firestopping to Section 078413 to coordinate with the Summary of Work.

CHANGE Section 092116, Gypsum Board Assemblies to Section 092900 to coordinate with Summary of Work.

ADD to Project Manual missing Specifications 028200, Asbestos Abatement Limited Survey for ACM, LBP and PCBs, and 024119.16 Selective Interior Demolition. See Attached at end of this addendum.

ATTACHED to this Addendum includes original construction drawings for the 1995 addition to the Dutchess County Jail building.

CHANGE Section 096500 Resilient Flooring to Section 096519 to coordinate with Summary of Work.

REPLACE Specification Section 06 4100 – Architectural Wood Casework - 2.05 Countertops with the following text:

2.05 Plastic Laminate Countertops

A. High-Pressure Laminate: NEMA LD 3

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

- a. Formica – High Pressure Laminate
- b. Panolam Industries International, Inc – High Pressure Laminate

c. Wilsonart, LLC – High Pressure Laminate

B. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:

1. As selected from manufacturer's full range in the following categories:

- a. Solid colors, matte finish.
- b. Wood colors, matte finish.
- c. Patterns, matte finish.

C. Edge treatment: integral waterfall edge

D. Core Material: Medium-density fiberboard (MDF), ANSI A208.2

E. Core Thickness: 1-1/8 inch (29mm)

F. Backer Sheet: Provide plastic-laminate backer sheet, NEMA LD 3, Grade BKL, on underside of countertop substrate.

G. Accessories: Grommets for Cable Passage through Countertops: 4" OD, black, molded-plastic grommets and matching plastic caps with slot for wire passage.

All doors labeled with PO to be provided with a 4.75" Square push plate stainless steel 10PBS by BWA Americas (or Equivalent) w/ 10BOX475SQSM PBS series surface mount box set @ 42" AFF to be provided by GWC. Electrical Contractor to power and interface.

CLARIFICATION all doors labeled with SC means Secure Close. GC to close door and lock with key.

CLARIFICATION all doors labeled with SC means Secure Open. GC to lock door in the open position with key.

CLARIFICATION all doors labeled with CR means Card Reader. Owner to install under separate contract.

REMOVE Section 230993, Sequence of Operations from Summary of Work and Project Manual Lists.

**PLEASE INCLUDE ACKNOWLEDGEMENT OF THE ADDENDUM IN YOUR BID
RECEIPT OF ADDENDUM**

END OF ADDENDUM #1



Quality Environmental Solutions & Technologies, Inc.

**LIMITED INSPECTION FOR
ASBESTOS-CONTAINING MATERIALS (ACM)**

For

**DUTCHESS COUNTY
DEPARTMENT OF PUBLIC WORKS
626 Dutchess Turnpike
Poughkeepsie, New York, 12603**

At

**DUTCHESS COUNTY JAIL
150 North Hamilton Street
Poughkeepsie, New York 12601**

Project #Q17-1052

QuES&T

Quality Environmental Solutions & Technologies, Inc.

July 19th, 2017

Dutchess County Department of Public Works
626 Dutchess Turnpike
Poughkeepsie, NY 12603

ATTN: Brendan McAllister

Via Email: bmcallister@dutchessny.gov

Re.: Dutchess County Jail
150 North Hamilton Street, Poughkeepsie NY 12601
Limited Asbestos Inspection
QuES&T Project #Q17-1052

Dear Mr. McAllister,

Attached is the Limited Inspection Report for Asbestos-containing Materials (ACM) conducted throughout the interiors and exteriors of the above-referenced location(s) by **Quality Environmental Solutions & Technologies, Inc. (QuES&T)**. The inspection included visual assessment and representative sampling for the detection of ACM in compliance with the requirements of Title 12 NYCRR Part 56-5.1.

The attached report summarizes the inspection protocol and inspection results for your review. **QuES&T** believes this report accurately reflects the material condition existing in the functional spaces at the time of our inspection.

Should you wish to discuss this matter further or require additional information concerning this submittal, please contact us at (845) 298-6031. **QuES&T** appreciates the opportunity to assist Dutchess County Department of Public Works, in the environmental services area.

Sincerely,



Tanay Ranadive
Field and Technical Services
NYS AHERA Inspector
Cert. #AH 15-10696
NYS Mold Assessor

QuES&T

Quality Environmental Solutions & Technologies, Inc.

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I. INTRODUCTION:

Quality Environmental Solutions & Technologies, Inc. (**QuES&T**) performed an Asbestos Survey for Building/Structure Demolition, Renovation, Remodeling and Repair, in conformance with Title 12 NYCRR Part 56-5.1, on May 24th, 2017 and May 25th, 2017 for Dutchess County Department of Public Works throughout the Dutchess County Jail located at 150 North Hamilton Street, Poughkeepsie, New York 12601. The survey included a visual inspection/assessment for Presumed Asbestos-containing Materials (PACM) and suspect miscellaneous Asbestos-containing Materials (ACM) throughout accessible interior and exterior areas, as described in narratives provided by Dutchess County Department of Public Works.

QuES&T established functional spaces based either on physical barriers (i.e. walls, doors, etc.) or homogeneity of material. Within each functional space identified, a visual inspection was performed using reasonable care and judgment, to identify and assess location, quantity, friability and condition of all accessible installed ACM building materials observed within accessible interior and exterior locations throughout the site.

Limited localized demolition of building surfaces was performed, as part of this survey, to access concealed surfaces. No disassembly of installed equipment was conducted as part of this inspection. ACM concealed within structural components and equipment interiors or that is accessible only through extensive mechanical or structural demolition may not have been identified as part of this survey. When any construction activity, such as demolition, remodeling, renovation or repair work, reveals PACM or suspect miscellaneous ACM that has not been identified, as part of this survey, all construction activities shall cease in the affected area.

The survey included both visual inspection of accessible spaces and representative sampling of suspect building materials for ACM. Samples collected were analyzed by a laboratory approved under the New York State Department of Health Environmental Laboratory Approval Program (NYSDOH ELAP). Samples were analyzed in the laboratory by Polarized Light Microscopy (PLM), Polarized Light Microscopy-NOB (PLM-NOB) and/or Quantitative Transmission Electron Microscopy (QTEM), as required. Sample collection and laboratory analysis were conducted in compliance with the requirements of Title 12 NYCRR Part 56-5.1, 29 CFR 1926.1101 and standard EPA & OSHA accepted methods. Samples consisting of multiple layers were separated and analyzed independently in the laboratory.

Certified **QuES&T** personnel (Appendix C), Mr. Larry Goldstein (Cert. #AH 12-20855), Mr. Louis Johnson III (Cert. #AH 08-05954), Mr. Tanay Ranadive (Cert. #AH 15-10696) performed visual assessments throughout interior and exterior locations identified. A total of **(229) two hundred twenty-nine** samples/layers of installed, and accessible, suspect building materials were submitted for analysis by a laboratory approved under the NYSDOH ELAP. **(71) seventy-one** samples/layers were analyzed using Polarized Light Microscopy (PLM) for friable materials; **(80) eighty** samples/layers were analyzed using Polarized Light Microscopy (PLM-NOB) for non-friable organically bound materials; and **(78) seventy-eight** samples/layers were analyzed by Confirmatory-QTEM following negative-determinations using PLM-NOB protocols.

II. INSPECTION SUMMARY:

A visual inspection was performed and homogenous material types were established based on appearance, color and texture. The findings presented in this report are based upon reasonably available information and observed site conditions at the time the assessment was performed. The findings and conclusions of this report are not meant to be indicative of future conditions at the site and does not warrant against conditions that were not evident from visual observations or historical information obtained from others.

Representative bulk sampling was performed on suspect building materials for laboratory analysis using PLM, PLM-NOB and QTEM. The following is a summary of installed building materials sampled:

- Ceiling Materials – Joint Compound, Sheetrock, Ceiling Tile & Glue Dabs,
- Wall Materials – Joint Compound, Sheetrock, Ceramic Tile System (i.e. Grout, Mortar, Thinset), Cementitious Block & Mortar,
- Flooring Materials – Quarry Tile System (i.e. Mudset, Grout, Tile), Cementitious Slab, Cementitious Block & Mortar, Ceramic Tile System (i.e. Grout, Mortar, Tile), CoveBase Molding & Adhesive, Floor Tile & Mastic, Epoxy Coating
- Exterior Materials – Caulk, Window Caulk,
- Roofing Materials – IsoFoam, Cement Panel, Concrete, Cementitious Block & Mortar, Perlite, Tar Vapor Barrier, Built-Up Roofing, Tar, Rolled Roofing, EPDM, Felt Paper, Caulk Patch
- Structural Materials – Concrete Column
- Thermal Insulation System Materials – Mudded Joint Packing, Sprayed-on Fire Proofing
- Miscellaneous Materials – Window Glazing, Duct Sealant, Anti-Sweat Tar, Sink Caulk,

III. IDENTIFIED ASBESTOS-CONTAINING MATERIALS (ACM):
(please see attached drawings for approx. ACM locations)

KEY: ACM = Materials containing greater than 1% of asbestos;
LF = Linear Feet; SF = Square Feet; PACM = Presumed Asbestos-containing Materials;
Friable = ACM capable of being released into air, and which can be crumbled, pulverized, powdered, crushed or exposed by hand-pressure.

Location	Material	Approx. Qty.	Friable?	Condition
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1980s Addition

INTERIORS

1980s Addition, All Control Towers, Window Glass to Casing, Black	Glazing	20 LF (per Window)	No	Good
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1980s Addition, Loading Dock, On Concrete	*Epoxy Coating	140 SF	No	Good
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**See Appendix A (ASB-01) for Location.*

1990s Addition

****No Asbestos Containing Materials (ACM) discovered during testing****

IV. GENERAL DISCUSSION:

All construction personnel as well as individuals who have access to locations where asbestos containing materials (ACM) exists should be informed of its presence and the proper work practices in these areas. Conspicuous labeling of all ACM is suggested to ensure personnel is adequately informed. Personnel should be informed not to rest, lean or store material or equipment on or near these surfaces and not to cut, saw, drill, sand or disturb ACM. All removal, disturbance, and repair of ACM should be performed in compliance with Title 12 NYCRR Part 56 by persons properly trained to handle ACM. Facility custodial and maintenance personnel should receive training commensurate with their work activities; as defined in 29 CFR 1910.1001.

The findings presented in this report are based upon reasonably available information and observed site conditions at the time the assessment was performed. Conditions may have changed since that time and the findings and conclusions of this report are not meant to be indicative of future conditions at the Site. This report does not warrant against conditions that were not evident from visual observations or historical information obtained, or conditions that could only be determined by physical sampling or other intrusive investigation techniques that are outside the proposed scope of work.

V. TRANSMITTAL OF BUILDING SURVEY INFORMATION:

As specified in Title 12 NYCRR Part 56-5.1 (g), information derived from this building survey shall be immediately transmitted by the building owner or his/her agent to the commissioner through the Department's Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required, to the town or city clerk where the building is located.

VI. ABATEMENT REQUIRED:

As specified in Title 12 NYCRR Part 56-5.1 (h) and (i), "If the building/structure asbestos survey finds that the portion of the building/structure to be demolished, renovated, remodeled, or have repair work contains ACM, PACM, suspect miscellaneous ACM assumed to be ACM, or asbestos material, which is impacted by the work, the owner or the owner's agent shall conduct, or cause to have conducted, asbestos removal performed by a licensed asbestos abatement contractor in conformance with all standards set forth in this Part. All ACM, PACM, suspect miscellaneous ACM assumed to be ACM, or asbestos material impacted by the demolition, renovation, remodeling or repair project shall be removed as per this Part, prior to access or disturbance by other uncertified trades or personnel. No demolition, renovation, remodeling or repair work shall be commenced by any owner or the owner's agent prior to the completion of the asbestos abatement in accordance with the notification requirements of this Part...All building/structure owners and asbestos abatement contractors on a demolition, renovation, remodeling, or repair project, which includes work covered by this part, shall inform all trades on the work site about PACM, ACM, asbestos material and suspect miscellaneous ACM...Bids may be advertised and contracts awarded for demolition, remodeling, renovation, or repair work, but no work on the current intermediate portion of the project shall commence on the demolition, renovation, remodeling or repair work by any owner or agent prior to completion of all necessary asbestos abatement work for the current intermediate portion of the entire project, in conformance with all standards set forth in this Part."

Prior to conducting demolition or construction work at the building, all ACM affected/impacted by such activities shall be removed utilizing a licensed asbestos abatement contractor and NYSDOL/EPA/NYC certified personnel prior to construction/demolition activities. All work conducted should be in accordance with all legal requirements, including but not limited to U.S. Environmental Protection Agency (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP) [40 CFR Part 61], New York State Industrial Code Rule 56 Asbestos Regulations (ICR 56) and Chapter 1 of Title 15 of the Rules of the City of New York Regulations, as applicable. Advance notification of the asbestos project to the USEPA, NYSDOL, and NYCDEP may be required.

All suspect building materials not sampled during this survey should be considered ACM until these materials are sampled and analyzed for ACM in the laboratory. Concealed ACM: In addition to the ACMs identified at the site, there is a possibility that concealed ACM may exist at the subject facility. As such, if any concealed suspect ACM is encountered during future construction related activities, the work should immediately stop. Prior to resuming the work, the suspect ACM should either be 1) Sampled by an appropriately-certified asbestos professional and submitted to an Approved NYSDOH ELAP laboratory for asbestos analysis or 2) Presumed to be ACM (PACM) and removed by a licensed asbestos abatement contractor for disposal in accordance with all applicable regulations.

VII. DISCLAIMERS:

It should be noted that the information contained within this report is based solely upon site observations and the results of laboratory analysis for samples collected by **QuES&T**. These observations and results are time dependent, subject to changing site conditions and revisions to Federal, State and Local regulations. **QuES&T** warrants that these findings have been promulgated after being prepared in general accordance with generally accepted practices in the abatement industries. **QuES&T** also recognizes that inspection laboratory data is not usually sufficient to make all abatement and management decisions.

Due to the potential for concealed Asbestos-containing Materials (ACM) or other regulated materials, this report should not be construed to represent all ACM or regulated materials within the site(s). All quantities of ACM or other regulated materials identified, and all dimensions listed within this report are approximate and should be verified On-site.

This inspection report is not intended to be used as the sole basis for soliciting pricing for asbestos abatement. An abatement plan, specification, drawing and/or Variances should be developed to identify scope, timing, phasing and remediation means & methods for any asbestos project. The Linear and/or Square Footages (LF / SF) listed within this Report are only approximates. Abatement Contractor(s) are required to visit the building(s) in order to take actual field measurements within each listed location.



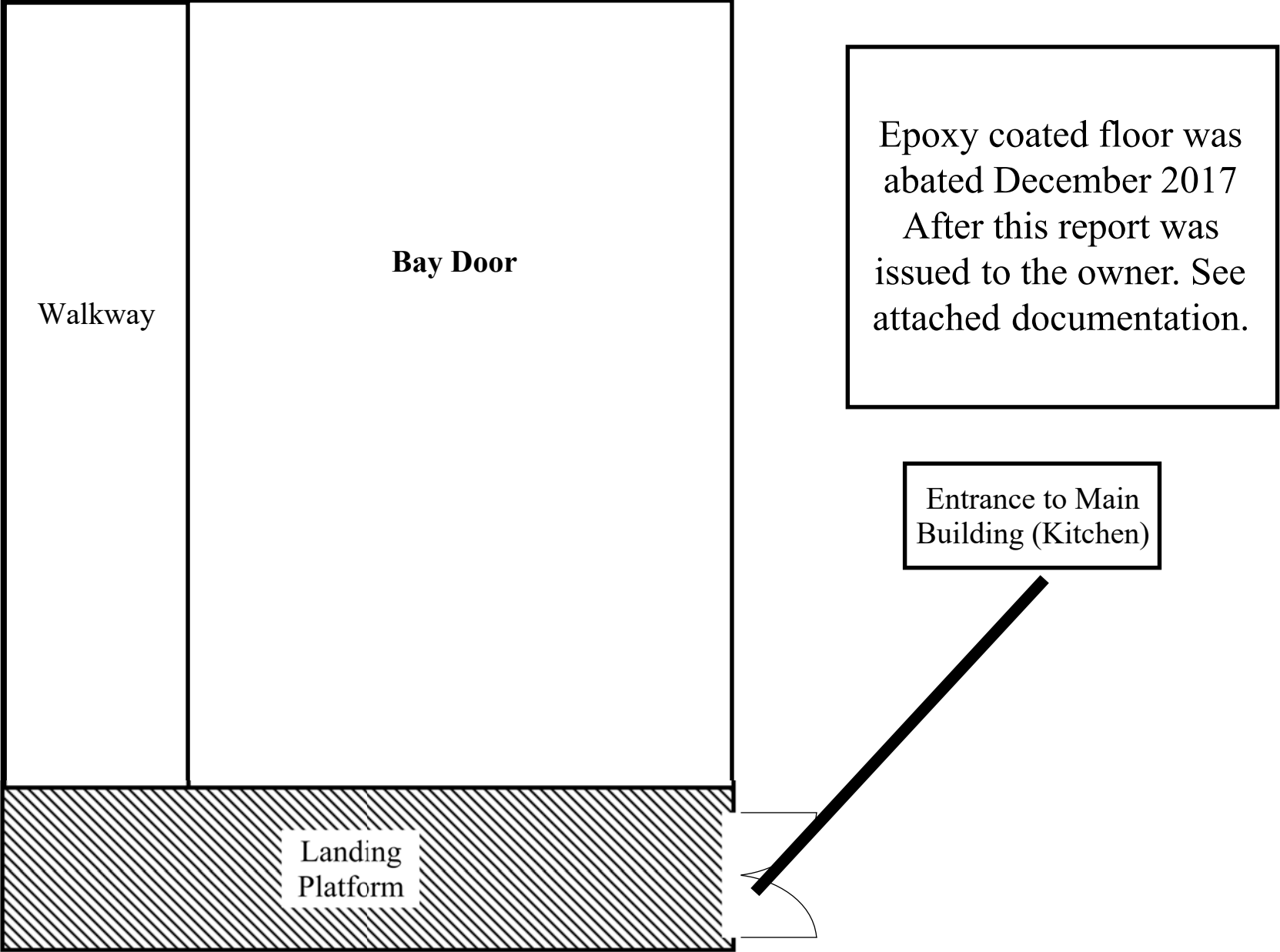
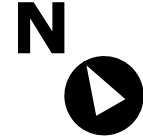
Quality Environmental Solutions & Technologies, Inc.

Appendix A: DRAWINGS & FLOOR PLANS

1376 Route 9, Wappingers Falls, NY 12590 Phone (845) 298-6031 Fax (845) 298-6251

NYS MWBD MBE Cert # 49952-2006 NYSUCP DBE Certified NJUCP DBE Certified www.Qualityenv.com


Dutchess County Jail - Basement (1980s Addition)



Basement Floor Key Plan - ACM Locations

****Drawing Not to Scale****
 This Drawing is not intended to be used as the sole basis for soliciting pricing for asbestos abatement. An abatement plan, specification, drawing and/or variances should be developed to identify scope, timing, phasing and remediation means & methods for any asbestos project.

ACM LEGEND: (see report for details)

	ACM Epoxy Coating on Concrete
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Dutchess County DPW
 626 Dutchess Turnpike
 Poughkeepsie, NY 12603

Dutchess County Jail
 150 North Hamilton St.
 Poughkeepsie, New York 12601



Quality Environmental
 Solutions & Technologies, Inc.
 1376 Route 9
 Wappingers Falls, NY 12590
 Phone: (845) 298-6031
 Fax: (845) 298-6251

Date: 7-18-2017	Version # 1
Issued For: Asbestos Survey	
Project NO: Q17-1052	
Project Manager: Larry Goldstein	
Drawing Prepared By: Tanay Ranadive	

ASB - 01

QuES&T

Quality Environmental Solutions & Technologies, Inc.

January 14, 2020

Dutchess County DPW
626 Dutchess Turnpike
Poughkeepsie, New York, 12603

ATTN: Brendan McAllister

**Re: Dutchess Jail Loading Dock
Re-Occupancy Letter – Date of Clearances: December 2, 2017**

Dear Mr. McAllister,

Final Visual Inspection(s) of the asbestos abatement work areas at the Dutchess County Jail Loading Dock located at 150 North Hamilton Street, Poughkeepsie, New York, have been satisfactorily completed. Agreed upon scope of work, as defined within the Asbestos Report and supporting Contractual documentation, was completed by certified asbestos abatement contractor BSB Construction in compliance with NYS Industrial Code Rule 56 (ICR-56).

Final visual inspections were performed as required by Title 12 NYCRR Part 56-11.6. Copies of all project logs shall be included in the Owner's final project closeout package.

Should you wish to discuss this matter further or require additional information, please contact me @ (845) 298-6031. QuES&T greatly appreciates the opportunity to assist the Dutchess County Department of Public Works in the environmental remediation services area.

Sincerely,



Vicki A. Donaldson
Field Services Administrator



Eastern Analytical Services, Inc.

Air Sample Report

RE: CPN Q17-1453 - Dutchess County DPW - Dutchess County Jail - 150 North Hamilton Street - Poughkeepsie, NY

Date Collected: 12/02/2017
Collected By: Zachary Malkischer
Date Received: 12/02/2017
Date Analyzed: 12/02/2017
Analyzed By: Damien Warner

Client: QuES&T, Inc.
1376 Route 9
Wappingers Falls, NY 12590

Signature:

Analyte: Fibers
Analytical Method: NIOSH 7400, Issue 2, 08/15/94 (Olympus CX31)
NYS Lab Number: 10851

Sample ID# / Lab ID#	Time Interval	Sample Location	Sample Notes	Volume (liters)	Concentration
1453-C-01 2524720	1205 1305	Inside Isolation Barrier	Clearance	900.0	BDL < 7.01 f/mm ² BDL < 0.003 f/cc 4/100 f/fds
1453-C-02 2524721	1206 1306	Inside Isolation Barrier	Clearance	900.0	BDL < 7.01 f/mm ² BDL < 0.003 f/cc 1/100 f/fds
1453-C-03 2524722	1207 1307	Inside Isolation Barrier	Clearance	900.0	BDL < 7.01 f/mm ² BDL < 0.003 f/cc 0.5/100 f/fds
1453-C-04 2524723	1210 1310	Outside Isolation Barrier	Clearance	900.0	BDL < 7.01 f/mm ² BDL < 0.003 f/cc 3/100 f/fds
1453-C-05 2524724	1211 1311	Outside Isolation Barrier	Clearance	900.0	BDL < 7.01 f/mm ² BDL < 0.003 f/cc 1/100 f/fds
1453-C-06 2524725	1212 1312	Outside Isolation Barrier	Clearance	900.0	BDL < 7.01 f/mm ² BDL < 0.003 f/cc 1.5/100 f/fds
1453-C-07 2524726	NA	Not Applicable	Field Blank	0.0	BDL < 7.01 f/mm ² 0/100 f/fds
1453-C-08 2524727	NA	Not Applicable	Field Blank	0.0	BDL < 7.01 f/mm ² 0/100 f/fds

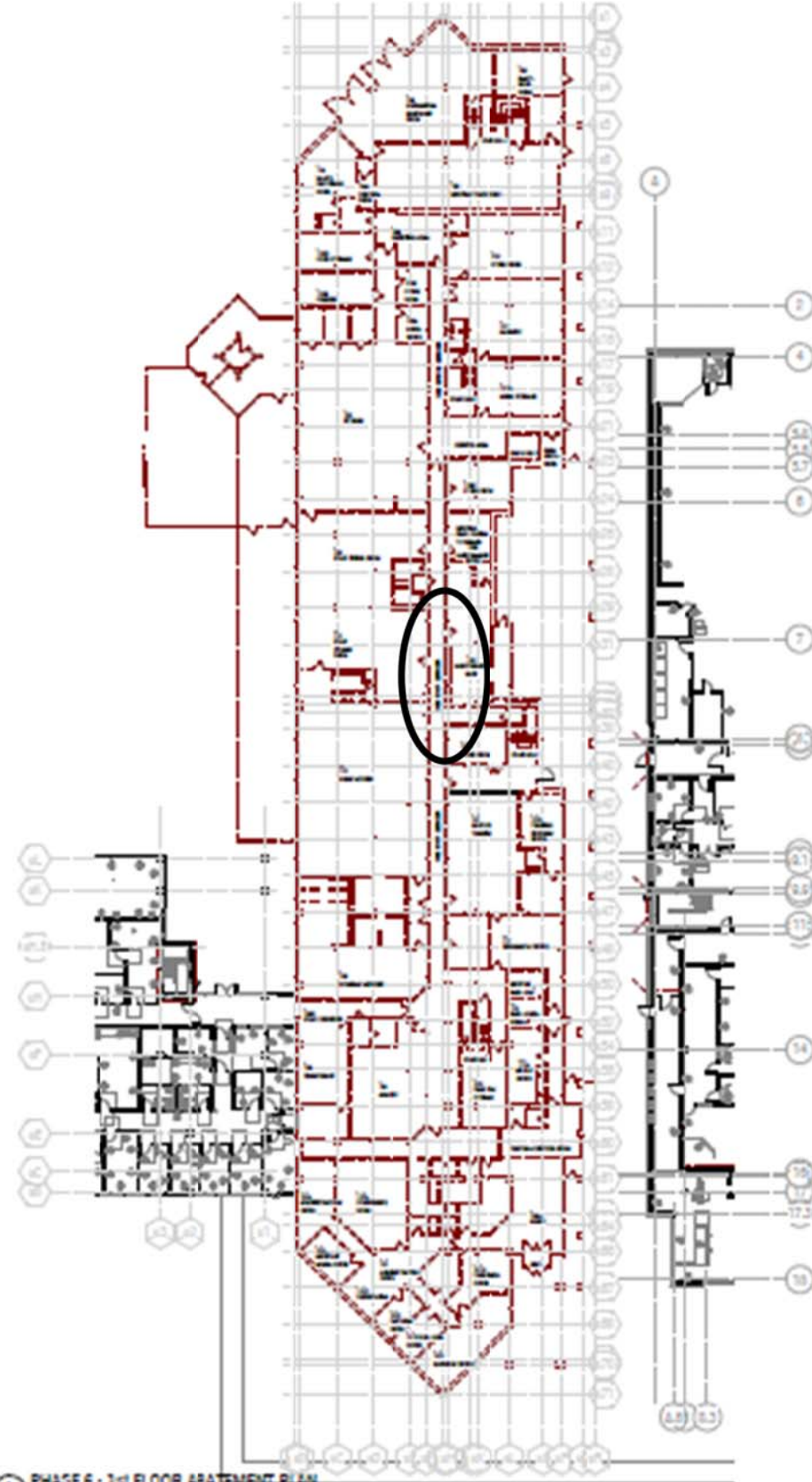
Volume Supplied by Client for Samples Not Collected by EAS.

BDL = Below Detectable Limits

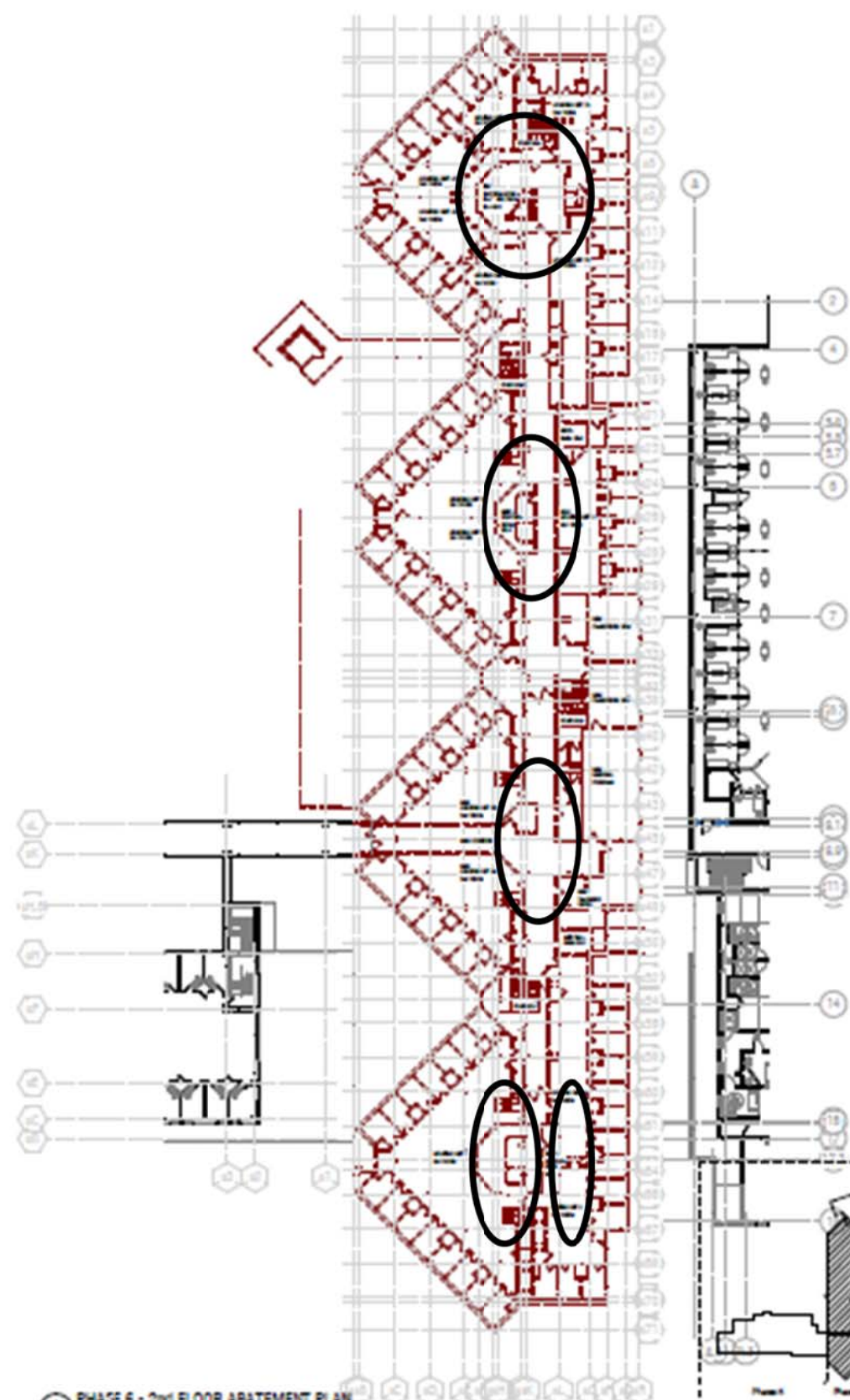
Liability Limited to Cost of Analysis. Samples received in acceptable condition unless otherwise noted. Results are Not Blank Corrected

Results Applicable to Those Items Tested. Interlab RSD = 0.159; Intralab RSD: (7.0-25.5 f/mm²) = 0.274 (25.6-63.7 f/mm²) = 0.271 (63.8-127.4 f/mm²) = 0.163 (>127.5 f/mm²) = 0.199

AHIA Accreditation No. 100263 Rhode Island DOI No. AAL-072 Massachusetts DOL No. A A 000072 Connecticut DOH No. PH-0622 Maine DEP No. LA-024 Vermont DOH No. AL-709936

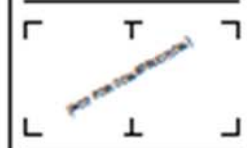
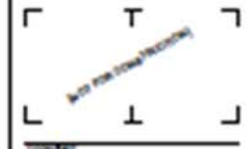


PHASE 6 - 1st FLOOR ABATEMENT PLAN



PHASE 6 - 2nd FLOOR ABATEMENT PLAN

LaBella
 Project by: **LaBella**
 300 State Street, Suite 202
 Poughkeepsie, NY 12564
 845-486-4333
 labella.com



This is a copy of the final approved plan. It is not to be used for construction. It is the responsibility of the contractor to verify the accuracy of the information shown on this drawing. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary permits and approvals. The contractor shall be responsible for obtaining all necessary permits and approvals.



DUTCHESS COUNTY
 COUNTY CLERK
 Poughkeepsie, NY 12561

JUSTICE & TRANSITION CENTER
 100 & 100 NORTH DUTCHESS STREET
 Poughkeepsie, NY 12561

COURT REPORTER
 Poughkeepsie, NY

NO.	DATE	REVISION

EXISTING 04 BUILDING
 ABATEMENT PLAN

DRAFT

Report Drawing
ASB-02

QuES&T

Quality Environmental Solutions & Technologies, Inc.

Appendix B: SAMPLE RESULTS

1376 Route 9, Wappingers Falls, NY 12590 Phone (845) 298-6031 Fax (845) 298-6251

NYS MWBD MBE Cert # 49952-2006 NYSUCP DBE Certified NJUCP DBE Certified www.Qualityenv.com



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnaslab@EMSL.com

EMSL Order: 041715081

Customer ID: QUES51

Customer PO:

Project ID:

Attention: Larry Goldstein
Quality Environmental Solution & Tech
1376 Route 9
Wappingers Falls, NY 12590

Phone: (845) 298-6031
Fax: (845) 298-6251
Received: 05/26/2017 9:20 AM
Analysis Date: 06/01/2017 - 06/02/2017
Collected: 05/25/2017

Project: Dutchess County DPW - Dutchess County Jail - 150 North Hamilton St., Poughkeepsie, NY 1206 - Q17-1052

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1052-07 041715081-0001	1980's Edition - Second Floor - Hallway - Ceiling on Sheetrock - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-08 041715081-0002	1980's Edition - Second Floor - Hallway - Ceiling on Sheetrock - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-09 041715081-0003	1980's Edition - Second Floor - Hallway - Ceiling on Sheetrock - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-10 041715081-0004	1990's Edition - First Floor - Unit 20 - Wall on Sheetrock - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-11 041715081-0005	1990's Edition - First Floor - Unit 20 - Wall on Sheetrock - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-12 041715081-0006	1990's Edition - First Floor - Unit 20 - Wall on Sheetrock - Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-13 041715081-0007	1980's Edition - Second Floor - Hallway - Ceiling - Sheetrock	Brown/White Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
1052-14 041715081-0008	1990's Edition - First Floor - Unit 20 - Wall - Sheetrock	Brown/White Fibrous Homogeneous	15% Cellulose 5% Glass	80% Non-fibrous (Other)	None Detected
1052-15 041715081-0009	1980's Edition - Kitchen - Floor - under Quarry Tile - Mudset	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367

Initial report from: 06/02/2017 08:08:46



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnaslab@EMSL.com

EMSL Order: 041715081

Customer ID: QUES51

Customer PO:

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Attention: Larry Goldstein
Quality Environmental Solution & Tech
1376 Route 9
Wappingers Falls, NY 12590

Phone: (845) 298-6031
Fax: (845) 298-6251
Received: 05/26/2017 9:20 AM
Analysis Date: 06/01/2017 - 06/02/2017
Collected: 05/25/2017

Project: Dutchess County DPW - Dutchess County Jail - 150 North Hamilton St., Poughkeepsie, NY 1206 - Q17-1052

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1052-16 041715081-0010	1980's Edition - Kitchen - Floor - under Quarry Tile - Mudset	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-17 041715081-0011	1980's Edition - Kitchen - Floor - under Quarry Tile - Grout	Gray/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-18 041715081-0012	1980's Edition - Kitchen - Floor - under Quarry Tile - Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-19 041715081-0013	1980's Edition - Kitchen - Floor - Quarry Tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-20 041715081-0014	1980's Edition - Kitchen - Floor - Quarry Tile	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-21 041715081-0015	1980's Edition - Third Floor - Unit 11 - Mudded Joint Packing	Gray Fibrous Homogeneous	40% MinWool 5% Glass	55% Non-fibrous (Other)	None Detected
1052-22 041715081-0016	1980's Edition - Second Floor - Unit 1 - in Pipe Chase (H) on Metal Pipe - Elbow - Mudded Joint Packing	Gray Fibrous Homogeneous	40% MinWool 8% Glass	52% Non-fibrous (Other)	None Detected
1052-23 041715081-0017	1980's Edition - Basement - Mechanical Room - Mudded Joint Packing	Gray Fibrous Homogeneous	40% MinWool 5% Glass	55% Non-fibrous (Other)	None Detected
1052-24 041715081-0018	1980's Edition - Unit 1 - Structural Column - Concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-25 041715081-0019	1980's Edition - Unit 1 - Structural Column - Concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367

Initial report from: 06/02/2017 08:08:46



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EMSL Order: 041715081

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Customer PO:

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Attention: Larry Goldstein
Quality Environmental Solution & Tech
1376 Route 9
Wappingers Falls, NY 12590

Phone: (845) 298-6031
Fax: (845) 298-6251
Received: 05/26/2017 9:20 AM
Analysis Date: 06/01/2017 - 06/02/2017
Collected: 05/25/2017

Project: Dutchess County DPW - Dutchess County Jail - 150 North Hamilton St., Poughkeepsie, NY 1206 - Q17-1052

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1052-26 041715081-0020	1980's Edition - Basement - Mechanical Room - Structural Column - Concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-27 041715081-0021	1980's Edition - Basement - Mechanical Room - Structural Column - Concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-28 041715081-0022	1980's Edition - Second Floor - Unit 1 - Cell 20 - Floor - Cement Slab	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-29 041715081-0023	1980's Edition - Third Floor - Floor - Cement Slab	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-30 041715081-0024	1980's Edition - Second Floor - Unit 1 - Cell 20 - Wall - CMU - Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-31 041715081-0025	1980's Edition - Third Floor - Unit 11 - Wall - CMU - Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-32 041715081-0026	1980's Edition - Second Floor - Unit 1 - Cell 20 - Wall - Cementitious Block	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-33 041715081-0027	1980's Edition - Third Floor - Unit 11 - Wall - Cementitious Block	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-34 041715081-0028	1990's Edition - Second Floor - Unit 23 - Storage Closet - Wall - Ceramic Tile - Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-35 041715081-0029	1990's Edition - Second Floor - Unit 23 - Storage Closet - Wall - Ceramic Tile - Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367

Initial report from: 06/02/2017 08:08:46



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EMSL Order: 041715081

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Attention: Larry Goldstein
Quality Environmental Solution & Tech
1376 Route 9
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Phone: (845) 298-6031
Fax: (845) 298-6251
Received: 05/26/2017 9:20 AM
Analysis Date: 06/01/2017 - 06/02/2017
Collected: 05/25/2017

Project: Dutchess County DPW - Dutchess County Jail - 150 North Hamilton St., Poughkeepsie, NY 1206 - Q17-1052

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1052-36 041715081-0030	1990's Edition - Second Floor - Unit 23 - Storage Closet - Wall behind Ceramic Tile - Thinset	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-37 041715081-0031	1990's Edition - Second Floor - Unit 23 - Storage Closet - Wall behind Ceramic Tile - Thinset	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-38 041715081-0032	1990's Edition - Second Floor - Unit 23 - Closet on CMU Wall - Ceramic Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-39 041715081-0033	1990's Edition - Second Floor - Unit 23 - Closet on CMU Wall - Ceramic Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-40 041715081-0034	1990's Edition - Second Floor - Unit 23 - Floor - Ceramic Tile - Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
QC by MH.					
1052-41 041715081-0035	1990's Edition - Second Floor - Unit 23 - Floor - Ceramic Tile - Grout	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-42 041715081-0036	1990's Edition - Second Floor - Unit 23 - Floor - Ceramic Tile - Mudset	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-43 041715081-0037	1990's Edition - Second Floor - Unit 23 - Floor - Ceramic Tile - Mudset	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-44 041715081-0038	1990's Edition - Second Floor - Unit 23 - Floor - Ceramic Tile	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367

Initial report from: 06/02/2017 08:08:46



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200 Route 130 North Cinnaminson, NJ 08077

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<http://www.EMSL.com> / cinnaslab@EMSL.com

EMSL Order: 041715081

Customer ID: QUES51

Customer PO:

Project ID:

Attention: Larry Goldstein
Quality Environmental Solution & Tech
1376 Route 9
Wappingers Falls, NY 12590

Phone: (845) 298-6031
Fax: (845) 298-6251
Received: 05/26/2017 9:20 AM
Analysis Date: 06/01/2017 - 06/02/2017
Collected: 05/25/2017

Project: Dutchess County DPW - Dutchess County Jail - 150 North Hamilton St., Poughkeepsie, NY 1206 - Q17-1052

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1052-45 041715081-0039	1990's Edition - Second Floor - Unit 23 - Floor - Ceramic Tile	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-46 041715081-0040	1990's Edition - Second Floor - Unit 23 - Pipe Chase - Wall - CMU - Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-47 041715081-0041	1990's Edition - Second Floor - Unit 23 - Pipe Chase - Wall - CMU - Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-48 041715081-0042	1990's Edition - Second Floor - Unit 23 - Pipe Chase - Wall - Cementitious Block	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-49 041715081-0043	1990's Edition - Second Floor - Unit 23 - Pipe Chase - Wall - Cementitious Block	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-50 041715081-0044	1990's Edition - Second Floor - Unit 23 - Storage Closet - Floor - Concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1052-51 041715081-0045	1990's Edition - Second Floor - Unit 23 - Storage Closet - Floor - Concrete	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Christian Strey (22)

Nancy Stalter (23)

Benjamin Ellis, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367

Initial report from: 06/02/2017 08:08:46

041715081

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CINNAMINSON, N.J.
2017 MAY 26 A 11:04

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 North Hamilton St., Poughkeepsie NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive
 DATE SAMPLED: 25-May-17
 ANALYSIS METHOD: PLM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS	
1052-07	1980's Edition, Second Floor, Hallway, Ceiling, on Sheetrock	Joint Compound		
1052-08	1980's Edition, Second Floor, Hallway, Ceiling, on Sheetrock	Joint Compound		
1052-09	1980's Edition, Second Floor, Hallway, Ceiling, on Sheetrock	Joint Compound		
1052-10	1990's Edition, First Floor, Unit 20, Wall, on Sheetrock	Joint Compound		
1052-11	1990's Edition, First Floor, Unit 20, Wall, on Sheetrock	Joint Compound		
1052-12	1990's Edition, First Floor, Unit 20, Wall, on Sheetrock	Joint Compound		
1052-13	1980's Edition, Second Floor, Hallway, Ceiling	Sheetrock		
1052-14	1990's Edition, First Floor, Unit 20, Wall	Sheetrock		
1052-15	1980's Edition, Kitchen, Floor, under Quarry Tile	Mudset		Stop
1052-16	1980's Edition, Kitchen, Floor, under Quarry Tile	Mudset		At
				First
				Positive

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Janay Ranadive

DATE: 5/25/17 16:52

RECEIVED BY: [Signature]

DATE: 5-26-17 9:20am

45

041715081

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CINNAMINSON, N.J.

CLIENT: Dutchess County DPW

SAMPLED BY: L. Goldstein, L. Johnson, T. Ranadive

ADDRESS: 626 Dutchess Turnpike

DATE SAMPLED: 2017 MAY 26 A 11:04
25-May-17

Poughkeepsie, NY 12603

CONTACT: Brendan McAllister

ANALYSIS METHOD: PLM

PROJECT ID: Dutchess County Jail

TURN-AROUND TIME: _____ HOURS

150 North Hamilton St., Poughkeepsie NY 12601

5 DAYS

PROJECT # Q17-1052

_____ OTHER

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-17	1980's Edition, Kitchen, Floor, Quarry Tile	Grout	Stop At
1052-18	1980's Edition, Kitchen, Floor, Quarry Tile	Grout	First Positive
1052-19	1980's Edition, Kitchen, Floor	Quarry Tile	Stop At
1052-20	1980's Edition, Kitchen, Floor	Quarry Tile	First Positive
1052-21	1980's Edition, Third Floor, Unit 11	Mudded Joint Packing	
1052-22	1980's Edition, Second Floor, Unit 1, In Pipe Chase (H), on Metal Pipe, Elbow	Mudded Joint Packing	
1052-23	1980's Edition, Basement, Mechanical Room	Mudded Joint Packing	
1052-24	1980's Edition, Unit 1, Structural Column	Concrete	Stop At
1052-25	1980's Edition, Unit 1, Structural Column	Concrete	First Positive
1052-26	1980's Edition, Basement, Mechanical Room, Structural Column	Concrete	Stop At

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Zanay Ranadive

DATE: 5/25/17 16:58

RECEIVED BY: _____

DATE: _____

041715081

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CINNAMINSON, N.J.

CLIENT: Dutchess County DPW

SAMPLED BY: L. Goldstein, L. Johnson, T. Ranadive

ADDRESS: 626 Dutchess Turnpike

DATE SAMPLED: 25-May-17 **2017 MAY 26 A 11:04**

Poughkeepsie, NY 12603

CONTACT: Brendan McAllister

ANALYSIS METHOD: PLM

PROJECT ID: Dutchess County Jail

TURN-AROUND TIME: _____ HOURS

150 North Hamilton St., Poughkeepsie NY 12601

5 DAYS

PROJECT #: Q17-1052

_____ OTHER

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-27	1980's Edition, Basement, Mechanical Room, Structural Column	Concrete	First Positive
1052-28	1980's Edition, Second Floor, Unit 1, Cell 20, Floor	Cement Slab	Stop At
1052-29	1980's Edition, Third Floor, Floor	Cement Slab	First Positive
1052-30	1980's Edition, Second Floor, Unit 1, Cell 20, Wall, CMU	Mortar	Stop At
1052-31	1980's Edition, Third Floor, Unit 11, Wall, CMU	Mortar	First Positive
1052-32	1980's Edition, Second Floor, Unit 1, Cell 20, Wall	Cementitious Block	Stop At
1052-33	1980's Edition, Third Floor, Unit 11, Wall	Cementitious Block	First Positive
1052-34	1990's Edition, Second Floor, Unit 23, Storage Closet, Wall, Ceramic Tile	Grout	Stop At
1052-35	1990's Edition, Second Floor, Unit 23, Storage Closet, Wall, Ceramic Tile	Grout	First Positive
1052-36	1990's Edition, Second Floor, Unit 23, Storage Closet, Wall, Behind Ceramic Tile	Thinset	Stop At

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Tenay Ranadive

DATE: 5/25/17 16:52

RECEIVED BY: _____

DATE _____

041715081

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CINNAMINSON, N.J.

CLIENT: Dutchess County DPW

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive

ADDRESS: 626 Dutchess Turnpike

DATE SAMPLED: 25-May-17 **2017 MAY 26 A 11:04**

Poughkeepsie, NY 12603

CONTACT: Brendan McAllister

ANALYSIS METHOD: PLM

PROJECT ID: Dutchess County Jail

TURN-AROUND TIME: _____ HOURS

150 North Hamilton St., Poughkeepsie NY 12601

5 DAYS

PROJECT #: Q17-1052

_____ OTHER

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-37	1990's Edition, Second Floor, Unit 23, Storage Closet, Wall, Behind Ceramic Tile	Thinset	First Positive
1052-38	1990's Edition, Second Floor, Unit 23, Closet, on CMU Wall	Ceramic Tile	Stop At
1052-39	1990's Edition, Second Floor, Unit 23, Closet, on CMU Wall	Ceramic Tile	First Positive
1052-40	1990's Edition, Second Floor, Unit 23, Floor, Ceramic Tile	Grout	Stop At
1052-41	1990's Edition, Second Floor, Unit 23, Floor, Ceramic Tile	Grout	First Positive
1052-42	1990's Edition, Second Floor, Unit 23, Floor, Ceramic Tile	Mudset	Stop At
1052-43	1990's Edition, Second Floor, Unit 23, Floor, Ceramic Tile	Mudset	First Positive
1052-44	1990's Edition, Second Floor, Unit 23, Floor	Ceramic Tile	Stop At
1052-45	1990's Edition, Second Floor, Unit 23, Floor	Ceramic Tile	First Positive
1052-46	1990's Edition, Second Floor, Unit 23, Pipe Chase, Wall, CMU	Mortar	Stop At

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Jenay Ranadive

DATE: 5/25/17 16:52

RECEIVED BY: _____

DATE: _____

041715081

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CINNAMINSON, N.J.

CLIENT: Dutchess County DPW

SAMPLED BY: L. Goldstein, L. Johnson, T. Ranadive

ADDRESS: 626 Dutchess Turnpike

DATE SAMPLED: 25-May-17

Poughkeepsie, NY 12603

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ANALYSIS METHOD: PLM

PROJECT ID: Dutchess County Jail

TURN-AROUND TIME: _____ HOURS

150 North Hamilton St., Poughkeepsie NY 12601

5 DAYS

PROJECT #: Q17-1052

OTHER

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-47	1990's Edition, Second Floor, Unit 23, Pipe Chase, Wall, CMU	Mortar	First Positive
1052-48	1990's Edition, Second Floor, Unit 23, Pipe Chase, Wall	Cementitious Block	Stop At
1052-49	1990's Edition, Second Floor, Unit 23, Pipe Chase, Wall	Cementitious Block	First Positive
1052-50	1990's Edition, Second Floor, Unit 23, Storage Closet, Floor	Concrete	Stop At
1052-51	1990's Edition, Second Floor, Unit 23, Storage Closet, Floor	Concrete	First Positive

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: *Janay Ranadive*

DATE: 5/25/17 16:52

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QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

EMISE
CINNAMINSON, N.J.
2017 MAY -0 A 10: 28

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 North Hamilton St., Poughkeepsie NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive
 DATE SAMPLED: 25-May-17
 ANALYSIS METHOD: PLM-NOB / QTEM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-52	1990's Edition, First Floor, Wall, on Cementitious Block, Covebase Molding	Adhesive	Stop At
1052-53	1990's Edition, Second Floor, Wall, on Cementitious Block, CoveBase Molding	Adhesive	First Positive
1052-54	1990's Edition, First Floor, Unit 20, Wall, on Cementitious Block	CoveBase Molding	Stop At
1052-55	1990's Edition, Second Floor, 1990's Edition, Wall, on Cementitious Block	Covebase Molding	First Positive
1052-56	1980's Edition, Unit 1, Second Floor, Control Tower, Wall, on Cementitious Block, Green	CoveBase Molding & Mastic (Separate Layers)	Stop At
1052-57	1980's Edition, Unit 1, Second Floor, Control Tower, Wall, on Cementitious Block, Green	CoveBase Molding & Mastic (Separate Layers)	First Positive
1052-58	1980's Edition, Second Floor, Unit 1, Control Tower, Along Window Glass to Casing	Glazing	Stop At
1052-59	1980's Edition, Second Floor, Unit 1, Control Tower, Along Window Glass to Casing	Glazing	First Positive
1052-60	1980's Edition, Second Floor, Unit 1, Chase "I", on Metal Return	Duct Sealant	Stop At
1052-61	1980's Edition, Second Floor, Unit 1, Chase "I", on Metal Return	Duct Sealant	First Positive

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Janay Ranadive
 RECEIVED BY: [Signature]

DATE: 5/26/17 10:27am
 DATE: 5-30-17 9:03a

478

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QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

 EMISE
 CINNAMINSON, N.J.
 2017 MAY -0 A 10: 28

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 North Hamilton St., Poughkeepsie NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive
 DATE SAMPLED: 25-May-17
 ANALYSIS METHOD: PLM-NOB / QTEM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-62	1980's Edition, Second Floor, Hallway, Floor, on Concrete	Mastic	Stop At
1052-63	1980's Edition, Second Floor, Hallway, Floor, on Concrete	Mastic	First Positive
1052-64	1980's Edition, Second Floor, Hallway, Floor, on Concrete, 1 x 1	Floor Tile	Stop At
1052-65	1980's Edition, Second Floor, Hallway, Floor, on Concrete, 1 x 1	Floor Tile	First Positive
1052-66	1980's Edition, Second Floor, Break Room, Sink	Anti-Sweat Tar	Stop At
1052-67	1980's Edition, Second Floor, Break Room, Sink	Anti-Sweat Tar	First Positive
1052-68	1980's Edition, Second Floor, Unit 1, Control Tower, Ceiling, 2 x 4, Dot Speckle	Ceiling Tile	Stop At
1052-69	1980's Edition, Second Floor, Unit 1, Control Tower, Ceiling, 2 x 4, Dot Speckle	Ceiling Tile	First Positive
1052-70	1980's Edition, Second Floor, Officer's Bathroom, Sink	Caulk	Stop At
1052-71	1980's Edition, Second Floor, Officer's Bathroom, Sink	Caulk	First Positive

CHAIN OF CUSTODY (SEE LAST PAGE)

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DATE: _____

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BULK SAMPLE FORM

EMSL
CINNAMINSON, N.J.
2017 MAY 26 A 10:28

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 North Hamilton St., Poughkeepsie NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive
 DATE SAMPLED: 25-May-17
 ANALYSIS METHOD: PLM-NOB / QTEM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-72	1980's Edition, Unit 1, Cell 20, Sink	Caulk	Stop At
1052-73	1980's Edition, Unit 1, Cell 20, Sink	Caulk	First Positive
1052-74	1980's Edition, Loading Dock, Floor, on Concrete	Epoxy Coating	Stop At
1052-75	1980's Edition, Loading Dock, Floor, on Concrete	Epoxy Coating	First Positive
1052-76	1980's Edition, Office Area, Ceiling, on Sheetrock, under 1 x 1 Ceiling Tile	Glue Dabs	Stop At
1052-77	1980's Edition, Office Area, Ceiling, on Sheetrock, under 1 x 1 Ceiling Tile	Glue Dabs	First Positive
1052-78	1980's Edition, Office Area, Ceiling, on Sheetrock, 1 x 1, Dot Spec	Ceiling Tile	Stop At
1052-79	1980's Edition, Office Area, Ceiling, on Sheetrock, 1 x 1, Dot Spec	Ceiling Tile	First Positive
1052-80	1990's Edition, Second Floor, Unit 23, Window	Caulk	Stop At
1052-81	1990's Edition, Second Floor, Unit 23, Window	Caulk	First Positive

CHAIN OF CUSTODY (SEE LAST PAGE)

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DATE: 5/26/17 10:27am
 DATE: _____

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BULK SAMPLE FORM

RECEIVED
EMSL
CINNAMINSON, N.J.

2017 MAY -01 A 10:28

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 North Hamilton St., Poughkeepsie NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L. Goldstein, L. Johnson, T. Ranadive
 DATE SAMPLED: 25-May-17
 ANALYSIS METHOD: PLM-NOB / QTEM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-82	1990's Edition, Second Floor, Window, by Unit 23	Caulk	Stop At
1052-83	1990's Edition, Second Floor, Window, by Unit 23	Caulk	First Positive
1052-84	1990's Edition, Second Floor, Hallway, by Unit 23, Ceiling, 2 x 4	Ceiling Tile	Stop At
1052-85	1990's Edition, Second Floor, Hallway, by Unit 23, Ceiling, 2 x 4	Ceiling Tile	First Positive
1052-86	1990's Edition, First Floor, Unit 20, Cell 3, Sink	Caulk	Stop At
1052-87	1990's Edition, First Floor, Unit 20, Cell 3, Sink	Caulk	First Positive
1052-88	1990's Edition, First Floor, Unit 20, Floor, on Concrete, under 1 x 1 Floor Tile	Mastic	Stop At
1052-89	1990's Edition, First Floor, Unit 20, Floor, on Concrete, under 1 x 1 Floor Tile	Mastic	First Positive
1052-90	1990's Edition, First Floor, Unit 20, Floor, on Concrete, 1 x 1	Floor Tile	Stop At
1052-91	1990's Edition, First Floor, Unit 20, Floor, on Concrete, 1 x 1	Floor Tile	First Positive

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: *Tenay Ranadive*
 RECEIVED BY: _____

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 DATE: _____

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BULK SAMPLE FORM

EMSL
CINNAMINSON, N.J.
MAY -0 A 10:28

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 North Hamilton St., Poughkeepsie NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L. Goldstein, L. Johnson, T. Ranadive
 DATE SAMPLED: 25-May-17
 ANALYSIS METHOD: PLM-NOB / QTEM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-92	1980's Edition, Second Floor, Break Room, Floor, on Concrete, under 1 x 1 Brown Floor Tile	Mastic	Stop At
1052-93	1980's Edition, Second Floor, Break Room, Floor, on Concrete, under 1 x 1 Brown Floor Tile	Mastic	First Positive
1052-94	1980's Edition, Second Floor, Break Room, Floor, on Concrete, Brown, 1 x 1	Floor Tile	Stop At
1052-95	1980's Edition, Second Floor, Break Room, Floor, on Concrete, Brown, 1 x 1	Floor Tile	First Positive

CHAIN OF CUSTODY (SEE LAST PAGE)
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 DATE: _____

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<http://www.EMSL.com>cinnaslab@EMSL.com

EMSL Order: 041715228

CustomerID: QUES51

CustomerPO:

ProjectID:

Attn: **Larry Goldstein**
Quality Environmental Solution & Tech
1376 Route 9
Wappingers Falls, NY 12590

Phone: (845) 298-6031
 Fax: (845) 298-6251
 Received: 05/30/17 9:05 AM
 Analysis Date: 6/5/2017
 Collected: 5/25/2017

Project: **Dutchess County Jail / 150 North Hamilton Street, Poughkeepsie, NY 12601 / Q17-1052****Test Report:Asbestos Analysis of Bulk Material**

Test	Analyzed Date	Color	Non Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-52 041715228-0001		Description	1990's Edition - First Floor - Wall on Cementitious Block - Covebase Molding - Adhesive		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/3/2017	Yellow			Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	Yellow			None Detected
Sample ID 1052-53 041715228-0002		Description	1990's Edition - Second Floor - Wall on Cementitious Block - Covebase Molding - Adhesive		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/4/2017	Yellow			Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	Yellow			None Detected
Sample ID 1052-54 041715228-0003		Description	1990's Edition - First Floor - Unit 20 Wall on Cementitious Block - Cove Base Molding		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/3/2017	Gray			Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	Gray			None Detected
Sample ID 1052-55 041715228-0004		Description	1990's Edition - Second Floor - 1990's Addition Wall on Cementitious Block - Cove Base Molding		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/4/2017	Gray			Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	Gray			None Detected
Sample ID 1052-56-Cove Base 041715228-0005		Description	1980's Edition - Unit 1 Second Floor - Control Tower Wall on Cementitious Block - Green - Cove Base Molding		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/3/2017	Green			Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	Green			None Detected



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EMSL Order:	041715228
CustomerID:	QUES51
CustomerPO:	
ProjectID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Sample ID 1052-56-Mastic 041715228-0005A	Description Homogeneity	1980's Edition - Unit 1 Second Floor - Control Tower Wall on Cementitious Block - Green - Mastic		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Gray			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Gray			None Detected
Sample ID 1052-57-Cove Base 041715228-0006	Description Homogeneity	1980's Edition - Unit 1 Second Floor - Control Tower Wall on Cementitious Block - Green - Cove Base Molding		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Green			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Green			None Detected
Sample ID 1052-57-Mastic 041715228-0006A	Description Homogeneity	1980's Edition - Unit 1 Second Floor - Control Tower Wall on Cementitious Block - Green - Mastic		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Gray			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Gray			None Detected
Sample ID 1052-58 041715228-0007	Description Homogeneity	1980's Edition - Second Floor - Unit 1 Control Tower Along Window Glass to Casing - Glazing		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Black			3.1% Chrysotile 3.1% Total
TEM NYS 198.4 NOB				Not Analyzed
Sample ID 1052-59 041715228-0008	Description Homogeneity	1980's Edition - Second Floor - Unit 1 Control Tower Along Window Glass to Casing - Glazing		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017				Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB				Not Analyzed
Sample ID 1052-60 041715228-0009	Description Homogeneity	1980's Edition - Second Floor - Unit 1 Chase "I" on Metal Return - Duct Sealant		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Red			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Red			None Detected



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EMSL Order:	041715228
CustomerID:	QUES51
CustomerPO:	
ProjectID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Sample ID 1052-61 041715228-0010	Description Homogeneity	1980's Edition - Second Floor - Unit 1 Chase "I" on Metal Return - Duct Sealant Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Red			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Red			None Detected
Sample ID 1052-62 041715228-0011	Description Homogeneity	1980's Edition - Second Floor - Hallway Floor on Concrete - Mastic Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Gray/Yellow			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Gray/Yellow			<1% Anthophyllite <1% Total
Sample ID 1052-63 041715228-0012	Description Homogeneity	1980's Edition - Second Floor - Hallway Floor on Concrete - Mastic Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Gray/Yellow			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Gray/Yellow			None Detected
Sample ID 1052-64 041715228-0013	Description Homogeneity	1980's Edition - Second Floor - Hallway Floor on Concrete - 1x1 - Floor Tile Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	White			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	White			None Detected
Sample ID 1052-65 041715228-0014	Description Homogeneity	1980's Edition - Second Floor - Hallway Floor on Concrete - 1x1 - Floor Tile Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	White			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	White			None Detected
Sample ID 1052-66 041715228-0015	Description Homogeneity	1980's Edition - Second Floor - Break Room Sink - Anti-Sweat Tar Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Gray			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Gray			None Detected



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EMSL Order:	041715228
CustomerID:	QUES51
CustomerPO:	
ProjectID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Sample ID 1052-67 041715228-0016	Description Homogeneity	1980's Edition - Second Floor - Break Room Sink - Anti-Sweat Tar Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Gray			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Gray			None Detected
Sample ID 1052-68 041715228-0017	Description Homogeneity	1980's Edition - Second Floor - Unit 1 Control Tower Ceiling 2x4 Dot Speckle - Ceiling Tile Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	White			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	White			None Detected
Sample ID 1052-69 041715228-0018	Description Homogeneity	1980's Edition - Second Floor - Unit 1 Control Tower Ceiling 2x4 Dot Speckle - Ceiling Tile Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	White	13.2% Min. Wool		Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	White			None Detected
Sample ID 1052-70 041715228-0019	Description Homogeneity	1980's Edition - Second Floor - Officer's Bathroom Sink - Caulk Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	White			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	White			None Detected
Sample ID 1052-71 041715228-0020	Description Homogeneity	1980's Edition - Second Floor - Officer's Bathroom Sink - Caulk Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	White			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	White			None Detected
Sample ID 1052-72 041715228-0021	Description Homogeneity	1980's Edition - Unit 1 Cell 20 Sink - Caulk Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Tan			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Tan			None Detected

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EMSL Order:	041715228
CustomerID:	QUES51
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ProjectID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Non Asbestos		Asbestos
	Color	Fibrous Non-Fibrous	
Sample ID 1052-73 041715228-0022	Description Homogeneity	1980's Edition - Unit 1 Cell 20 Sink - Caulk Homogeneous	
PLM NYS 198.1 Friable			Not Analyzed
PLM NYS 198.6 VCM			Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Tan		Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Tan		None Detected
Sample ID 1052-74 041715228-0023	Description Homogeneity	1980's Edition - Loading Dock on Concrete - Epoxy Coating Homogeneous	
PLM NYS 198.1 Friable			Not Analyzed
PLM NYS 198.6 VCM			Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Gray		6.8% Chrysotile 6.8% Total
TEM NYS 198.4 NOB			Not Analyzed
Sample ID 1052-75 041715228-0024	Description Homogeneity	1980's Edition - Loading Dock on Concrete - Epoxy Coating	
PLM NYS 198.1 Friable			Not Analyzed
PLM NYS 198.6 VCM			Not Analyzed
PLM NYS 198.6 NOB 6/3/2017			Positive Stop (Not Analyzed)
TEM NYS 198.4 NOB			Not Analyzed
Sample ID 1052-76 041715228-0025	Description Homogeneity	1980's Edition - Office Area Ceiling on Sheetrock under 1x1 Ceiling Tile - Glue Dabs Homogeneous	
PLM NYS 198.1 Friable			Not Analyzed
PLM NYS 198.6 VCM			Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Brown		Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Brown		None Detected
Sample ID 1052-77 041715228-0026	Description Homogeneity	1980's Edition - Office Area Ceiling on Sheetrock under 1x1 Ceiling Tile - Glue Dabs Homogeneous	
PLM NYS 198.1 Friable			Not Analyzed
PLM NYS 198.6 VCM			Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Brown		Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Brown		None Detected
Sample ID 1052-78 041715228-0027	Description Homogeneity	1980's Edition - Office Area Ceiling on Sheetrock 1x1 Dot Spec - Ceiling Tile Homogeneous	
PLM NYS 198.1 Friable			Not Analyzed
PLM NYS 198.6 VCM			Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	White		Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	White		None Detected



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EMSL Order:	041715228
CustomerID:	QUES51
CustomerPO:	
ProjectID:	

Test Report:Asbestos Analysis of Bulk Material

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Sample ID 1052-79 041715228-0028	Description Homogeneity	1980's Edition - Office Area Ceiling on Sheetrock 1x1 Dot Spec - Ceiling Tile Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	White			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	White			None Detected
Sample ID 1052-80 041715228-0029	Description Homogeneity	1980's Edition - Second Floor - Unit 23 Window - Caulk Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Gray			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Gray			None Detected
Sample ID 1052-81 041715228-0030	Description Homogeneity	1980's Edition - Second Floor - Unit 23 Window - Caulk Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Gray			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Gray			None Detected
Sample ID 1052-82 041715228-0031	Description Homogeneity	1990's Edition - Second Floor Window by Unit 23 - Caulk Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Black			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Black			<1% Chrysotile <1% Total
Sample ID 1052-83 041715228-0032	Description Homogeneity	1990's Edition - Second Floor Window by Unit 23 - Caulk Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Black			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Black			None Detected
Sample ID 1052-84 041715228-0033	Description Homogeneity	1990's Edition - Second Floor Hallway by Unit 23 Ceiling 2x4 - Ceiling Tile Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	White			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	White			None Detected



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EMSL Order:	041715228
CustomerID:	QUES51
CustomerPO:	
ProjectID:	

Test Report:Asbestos Analysis of Bulk Material

Test		Non Asbestos			Asbestos
Sample ID	Color	Fibrous	Non-Fibrous		
1052-85 041715228-0034	Description Homogeneity	1990's Edition - Second Floor Hallway by Unit 23 Ceiling 2x4 - Ceiling Tile Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/4/2017	White	5.0% Min. Wool		Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	White	None Detected		
1052-86 041715228-0035	Description Homogeneity	1990's Edition - First Floor - Unit 20 Cell 3 Sink - Caulk Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/3/2017	White			Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	White	None Detected		
1052-87 041715228-0036	Description Homogeneity	1990's Edition - First Floor - Unit 20 Cell 3 Sink - Caulk Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/4/2017	White			Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	White	None Detected		
1052-88 041715228-0037	Description Homogeneity	1990's Edition - First Floor - Unit 20 Floor on Concrete under 1x1 Floor Tile - Mastic Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/3/2017	Black			Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	Black	None Detected		
1052-89 041715228-0038	Description Homogeneity	1990's Edition - First Floor - Unit 20 Floor on Concrete under 1x1 Floor Tile - Mastic Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/4/2017	Black			Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	Black	None Detected		
1052-90 041715228-0039	Description Homogeneity	1990's Edition - First Floor - Unit 20 Floor on Concrete 1x1 - Floor Tile Homogeneous			
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	6/3/2017	Pink			Inconclusive: None Detected
TEM NYS 198.4 NOB	6/5/2017	Pink	None Detected		

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EMSL Order: 041715228
 CustomerID: QUES51
 CustomerPO:
 ProjectID:

Test Report:Asbestos Analysis of Bulk Material

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Sample ID 1052-91 041715228-0040	Description Homogeneity	1990's Edition - First Floor - Unit 20 Floor on Concrete 1x1 - Floor Tile Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Pink			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Pink			None Detected
Sample ID 1052-92 041715228-0041	Description Homogeneity	1980's Edition - Second Floor - Break Room Floor on Concrete under 1x1 Brown Floor Tile - Mastic Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Black			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Black			None Detected
Sample ID 1052-93 041715228-0042	Description Homogeneity	1980's Edition - Second Floor - Break Room Floor on Concrete under 1x1 Brown Floor Tile - Mastic Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Black			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Black			None Detected
Sample ID 1052-94 041715228-0043	Description Homogeneity	1980's Edition - Second Floor - Break Room Floor on Concrete Brown 1x1 - Floor Tile Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/3/2017	Brown			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Brown			None Detected
Sample ID 1052-95 041715228-0044	Description Homogeneity	1980's Edition - Second Floor - Break Room Floor on Concrete Brown 1x1 - Floor Tile Homogeneous		
PLM NYS 198.1 Friable				Not Analyzed
PLM NYS 198.6 VCM				Not Analyzed
PLM NYS 198.6 NOB 6/4/2017	Brown			Inconclusive: None Detected
TEM NYS 198.4 NOB 6/5/2017	Brown			None Detected




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EMSL Order: 041715228
CustomerID: QUES51
CustomerPO:
ProjectID:

Test Report:Asbestos Analysis of Bulk Material

Test	Color	Non Asbestos		Asbestos
		Fibrous	Non-Fibrous	
Analyst(s)				
<i>Daniel Fricker</i>	<i>Seri Smith</i>			
<i>Debbie Little</i>	<i>Wayne Froehlich</i>			
<i>Sandy Burany, Ph.D</i>				
				
				Benjamin Ellis, Laboratory Manager or other approved signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non-asbestos containing.
All samples examined for the presence of vermiculite when analyzed via NYS 198.1.
-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf
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EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.
This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. This report may contain data that is not covered by the NVLAP accreditation.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367

031715208

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 N Hamilton St., Poughkeepsie, NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive
 DATE SAMPLED: 24-May-17
 ANALYSIS METHOD: PLM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

17 MAY 25 AM 11:40
 Poughkeepsie, NY

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-01	1990's Edition Roof, Perimeter Flashing, Second Layer, Blue	IsoFoam	Stop At
1052-02	1990's Edition Roof, Field, Second Layer, Blue	IsoFoam	First Positive
1052-03	1990's Edition Roof, Field, Fourth Layer / Bottom Layer, on Concrete Deck	IsoFoam	
1052-04	1990's Edition Roof, Façade	Cement Panel	Stop At
1052-05	1990's Edition Roof, Façade	Cement Panel	First Positive
1052-06	1990's Edition Roof, Field, Deck	Concrete	Stop At
1052-07	1990's Edition Roof, Field, Deck	Concrete	First Positive
1052-08	Exterior, Wall, CMU	Mortar	Stop At
1052-09	Exterior, Wall, CMU	Mortar	First Positive
1052-10	Exterior, Wall	Cementitious Block	Stop At

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Tanay Ranadive
 RECEIVED BY: A. Francis

DATE: 5/24/17 14:58
 DATE: 5/25/17 11:48am

YC 5/30/17 11AM

PL 5/29/17
442Am

FX 79529145 7878

03 1715208

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 N Hamilton St., Poughkeepsie, NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive
 DATE SAMPLED: 24-May-17
 ANALYSIS METHOD: PLM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

17 MAY 25 AM 11:40
 ENCL RECEIVED

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-11	Exterior, Wall	Cementitious Block	First Positive
1052-12	1980's Edition, Roof A, Field, Second Layer	Perlite	Stop At
1052-13	1980's Edition, Roof B, Field, Second Layer	Perlite	First Positive
1052-14	1980's Edition, Roof A, Field, Top Layer	IsoFoam	
1052-15	1980's Edition, Perimeter Flashing, Perimter Parapit Wall	Concrete	Stop At
1052-16	1980's Edition, Roof B, Field, Deck	Concrete	First Positive
1052-17	1980's Edition, Stairwell, Façade	Cementitious Block	Stop At
1052-18	1980's Edition, Stairwell, Façade	Cementitious Block	First Positive
1052-19	1980's Edition, Stairwell, Façade, CMU	Mortar	Stop At
1052-20	1980's Edition, Stairwell, Façade, CMU	Mortar	First Positive

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Lanay Ranadive

DATE: 5/24/17 14:58

RECEIVED BY: _____

DATE: _____

PAGE 2 OF 2

YC 5/30/17
11AM

OC 5/29/17
442AA



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<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031715208
Customer ID: QUES51
Customer PO:
Project ID:

Attention: Quality Environmental Solution & Tech
1376 Route 9
Wappingers Falls, NY 12590

Phone: (845) 298-6031
Fax: (845) 298-6251
Received Date: 05/25/2017 11:40 AM
Analysis Date: 05/29/2017 - 05/30/2017
Collected Date: 05/24/2017

Project: Q17-1052/ DUTCHESS COUNTY JAIL/ 150 N HAMILTON ST., POUGHKEEPSIE, NY, 12601

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-01 031715208-0001			Description 1990'S EDITION ROOF, PERIMETER FLASHING, SECOND LAYER, BLUE - ISOFOAM Homogeneity Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	Blue		100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-02 031715208-0002			Description 1990'S EDITION ROOF, FIELD, SECOND LAYER, BLUE - ISOFOAM Homogeneity Homogeneous		
PLM NYS 198.1 Friable	05/30/2017	Blue		100.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-03 031715208-0003			Description 1990'S EDITION ROOF, FIELD, FOURTH LAYER/ BOTTOM LAYER, ON CONCRETE DECK - ISOFOAM Homogeneity Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	Black/ Yellow	15.00% Cellulose	85.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-04 031715208-0004			Description 1990'S EDITION ROOF, FAÇADE - CEMENT PANEL Homogeneity Homogeneous		
PLM NYS 198.1 Friable	05/30/2017	Gray	15.00% Glass	25.00% Gypsum 20.00% Non-fibrous (other) 40.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-05 031715208-0005			Description 1990'S EDITION ROOF, FAÇADE - CEMENT PANEL Homogeneity Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	Gray		33.00% Ca Carbonate 25.00% Non-fibrous (other) 42.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 05/30/2017 11:25:44



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EMSL Order: 031715208

Customer ID: QUES51

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Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-06 031715208-0006			Description 1990'S EDITION ROOF, FIELD, DECK - CONCRETE		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	Gray		30.00% Ca Carbonate 26.00% Non-fibrous (other) 44.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-07 031715208-0007			Description 1990'S EDITION ROOF, FIELD, DECK - CONCRETE		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	05/30/2017	Gray		25.00% Gypsum 35.00% Non-fibrous (other) 40.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-08 031715208-0008			Description EXTERIOR, WALL, CMU - MORTAR		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	White		30.00% Ca Carbonate 30.00% Non-fibrous (other) 40.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-09 031715208-0009			Description EXTERIOR, WALL, CMU - MORTAR		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	05/30/2017	White		50.00% Ca Carbonate 40.00% Non-fibrous (other) 10.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-10 031715208-0010			Description EXTERIOR, WALL - CEMENTITIOUS BLOCK		
			Homogeneity Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	White		32.00% Ca Carbonate 26.00% Non-fibrous (other) 42.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 05/30/2017 11:25:44



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EMSL Order: 031715208

Customer ID: QUES51

Customer PO:

Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-11 031715208-0011		Description	EXTERIOR, WALL - CEMENTITIOUS BLOCK		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	05/30/2017	White		55.00% Ca Carbonate 40.00% Non-fibrous (other) 5.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-12 031715208-0012		Description	1980'S EDITION, ROOF A, FIELD, SECOND LAYER - PERLITE		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	Brown	40.00% Cellulose	42.00% Non-fibrous (other) 18.00% Perlite	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-13 031715208-0013		Description	1980'S EDITION, ROOF B, FIELD, SECOND LAYER - PERLITE		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	05/30/2017	Brown	45.00% Cellulose	40.00% Non-fibrous (other) 15.00% Perlite	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-14 031715208-0014		Description	1980'S EDITION, ROOF A, FIELD, TOP LAYER - ISOFOAM		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	Brown/ Yellow	13.00% Cellulose	87.00% Non-fibrous (other)	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-15 031715208-0015		Description	1980'S EDITION, PERIMETER FLASHING, PERIMETER PARAPETWALL - CONCRETE		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	Brown		35.00% Ca Carbonate 19.00% Non-fibrous (other) 46.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-16 031715208-0016		Description	1980'S EDITION, ROOF B, FIELD DESK - CONCRETE		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	05/30/2017	Gray		30.00% Gypsum 20.00% Non-fibrous (other) 50.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 05/30/2017 11:25:44



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EMSL Order: 031715208
Customer ID: QUES51
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-17 031715208-0017		Description	1980'S EDITION, STAIRWELL, FAÇADE - CEMENTITIOUS BLOCK		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	Gray		28.00% Ca Carbonate 26.00% Non-fibrous (other) 46.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-18 031715208-0018		Description	1980'S EDITION, STAIRWELL, FAÇADE - CEMENTITIOUS BLOCK		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	05/30/2017	White		45.00% Ca Carbonate 45.00% Non-fibrous (other) 10.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-19 031715208-0019		Description	1980'S EDITION, STAIRWELL, FAÇADE, CMU - MORTAR		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	05/29/2017	Gray		20.00% Ca Carbonate 38.00% Non-fibrous (other) 42.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed
Sample ID 1052-20 031715208-0020		Description	1980'S EDITION, STAIRWELL, FAÇADE, CMU - MORTAR		
		Homogeneity	Homogeneous		
PLM NYS 198.1 Friable	05/30/2017	Gray		10.00% Gypsum 50.00% Non-fibrous (other) 40.00% Quartz	None Detected
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB					Not Analyzed
TEM NYS 198.4 NOB					Not Analyzed

Initial Report From: 05/30/2017 11:25:44



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EMSL Order: 031715208
Customer ID: QUES51
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above . Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 5/25/2017
Analysis Completed Date: 5/29/2017

Sample Receipt Time: 11:40 AM
Analysis Completed Time: 1:55 AM

Analyst(s):

Deen Liang PLM NYS 198.1 Friable (11)

Yolanda Chow PLM NYS 198.1 Friable (9)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations . Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

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Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Initial Report From: 05/30/2017 11:25:44

031715310

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 N Hamilton St., Poughkeepsie, NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive
 DATE SAMPLED: 24-May-17
 ANALYSIS METHOD: PLM-NOB / QTEM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

25 AM 11:50

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-21	1980's Edition, Roof A, Field, Bottom Layer, on Concrete	Tar Vapor Barrier	
1052-22	1980's Edition, Roof A, Field, Top Layer	Built-Up Roofing	
1052-23	1980's Edition, Roof B, Field, Bottom Layer, Hot Mop	Tar	
1052-24	1980's Edition, Roof B, Field, Third Layer	Tar	STOP AT First Positive
1052-25	1980's Edition, Roof B, Field, Third Layer	Tar	
1052-26	1980's Edition, Roof B, Field, Top Layer	Built-Up Roofing	
1052-27	1980's Edition, Roof B, Perimeter Flashing, Bottom Layer, on Concrete & Wood	Tar Vapor Barrier	Stop At First Positive
1052-28	1980's Edition, Roof A, Perimeter Flashing, Bottom Layer, on Concrete	Tar Vapor Barrier	
1052-29	1980's Edition, Roof B, Perimeter Flashing, Second Layer	Built-Up Roofing	Stop At First Positive
1052-30	1980's Edition, Roof B, Perimeter Flashing, Second Layer	Built-Up Roofing	

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Tanay Ranadive
 RECEIVED BY: A. Francis

DATE: 5/24/17 1600
 DATE: 5/25/17 11:50 am

[Signature] 5/31/17 2:17 AM

PAGE 1 OF 4
[Signature] 5/31/17

031715310

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 N Hamilton St., Poughkeepsie, NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive
 DATE SAMPLED: 24-May-17
 ANALYSIS METHOD: PLM-NOB / QTEM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

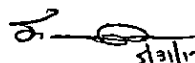
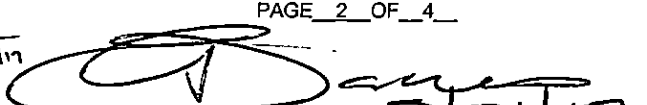
MAY 25 AM 11:50
 RECEIVED
 QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-31	1980's Edition, Roof A, Perimeter Flashing, Top Layer	Rolled Roofing	Stop At
1052-32	1980's Edition, Roof B, Perimeter Flashing, Top Layer	Rolled Roofing	First Positive
1052-33	1980's Edition, Roof A, Equipment Flashing, Bottom Layer, on Wood	Tar Vapor Barrier	Stop At
1052-34	1980's Edition, Roof B, Equipment Flashing, Bottom Layer, on Wood	Tar Vapor Barrier	First Positive
1052-35	1980's Edition, Roof A, Equipment Flashing, Top Layer	Rolled Built-Up Roofing	Stop At
1052-36	1980's Edition, Roof B, Equipment Flashing, Top Layer	Rolled Built-Up Roofing	First Positive
1052-37	1980's Edition, Roof B, Pitch Pocket	Tar	Stop At
1052-38	1980's Edition, Roof A, Pitch Pocket	Tar	First Positive
1052-39	1980's Edition, Roof B, Pitch Pocket, on Fence	Tar	Stop At
1052-40	1980's Edition, Roof A, Pitch Pocket, on Fence	Tar	First Positive

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Zanay Ranadive
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DATE: 5/24/17 16:00
 DATE: 5/25/17 11:50 am



 L. Goldstein
 T. Ranadive
 PAGE 2 OF 4
 Page 2 Of 5
 5/31/17

031715310

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 N Hamilton St., Poughkeepsie, NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Regnady
 DATE SAMPLED: 24-May-17
 ANALYSIS METHOD: PLM-NOB / QTEM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

17 MAY 25 AM 11:50
 RECEIVED BY: [Signature]

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-41	1980's Edition, Elevator / Stair Tower, Flashing, to Cementitious Block	Caulk	Stop At
1052-42	1980's Edition, Elevator / Stair Tower, Flashing, to Cementitious Block	Caulk	First Positive
1052-43	1980's Edition, Exterior, Window	Caulk	Stop At
1052-44	1980's Edition, Exterior, Window	Caulk	First Positive
1052-45	1990's Edition, Roof, Perimeter Flashing, Bottom Layer, on Wood	EPDM	Stop At
1052-46	1990's Edition, Roof, Field, Third Layer	EPDM	First Positive
1052-47	1990's Edition, Roof, Field, Top Layer, under Rock Bed	Felt Paper	Stop At
1052-48	1990's Edition, Roof, Field, Top Layer, under Rock Bed	Felt Paper	First Positive
1052-49	1990's Edition, Roof, Along Metal Looover Perimeters	Caulk Patch	Stop At
1052-50	1990's Edition, Roof, Along Metal Looover Perimeters	Caulk Patch	First Positive

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: [Signature]
 RECEIVED BY: [Signature]

DATE: 5/24/17 16:00
 DATE: 5/25/17 11:50 am

PAGE 3 OF 4
 [Signatures and Dates: 5/31/17, 5/31/17]

031715310

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CLIENT: Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT: Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 N Hamilton St., Poughkeepsie, NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive
 DATE SAMPLED: 24-May-17
 ANALYSIS METHOD: PLM-NOB / QTEM
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

17 MAY 25 AM 11:50
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SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-51	1990's Edition, Roof, on Metal Rail	Tar	Stop At
1052-52	1990's Edition, Roof, on Metal Rail	Tar	First Positive
1052-53	1990's Edition, Roof, on Green Steel Beam	Tar	Stop At
1052-54	1990's Edition, Roof, on Green Steel Beam	Tar	First Positive
1052-55	Exterior, Along Glass Block, Window System Panel	Caulk	Stop At
1052-56	Exterior, Along Glass Block, Window System Panel	Caulk	First Positive

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Jenay Ranadive
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DATE: 5/24/17 16:00
 DATE: 5/25/17 11:50 am

[Signature]
 stah

[Signature]
 5/31/17



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018
Tel/Fax: (212) 290-0051 / (212) 290-0058
<http://www.EMSL.com / manhattanlab@emsl.com>

EMSL Order: 031715310
Customer ID: QUES51
Customer PO:
Project ID:

Attention: Larry Goldstein
Quality Environmental Solution & Tech
1376 Route 9
Wappingers Falls, NY 12590

Phone: (845) 298-6031
Fax: (845) 298-6251
Received Date: 05/25/2017 11:50 AM
Analysis Date: 05/31/2017
Collected Date: 05/24/2017

Project: Q17-1052/ DUTCHESS COUNTY JAIL/ 150 N HAMILTON ST, POUGHKEEPSIE, NY 12601

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-21 <i>031715310-0001</i>		Description	1980'S EDITION, ROOF A, FIELD, BOTTOM LAYER, ON CONCRETE - TAR VAPOR BARRIER		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-22 <i>031715310-0002</i>		Description	1980'S EDITION, ROOF A, FIELD, TOP LAYER - BUILT-UP ROOFING		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	3.20% Glass	96.80% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-23 <i>031715310-0003</i>		Description	1980'S EDITION, ROOF B, FIELD, BOTTOM LAYER, HOT MOP - TAR		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected
Final residue mass <1%					
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-24 <i>031715310-0004</i>		Description	1980'S EDITION, ROOF B, FIELD, THIRD LAYER - TAR		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-25 <i>031715310-0005</i>		Description	1980'S EDITION, ROOF B, FIELD, THIRD LAYER - TAR		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected

Report amended: 05/31/2017 13:26:13 Replaces initial report from: 05/31/2017 13:22:21 Reason Code: Data Entry-Change to Appearance



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EMSL Order: 031715310
Customer ID: QUES51
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-26 031715310-0006		Description	1980'S EDITION, ROOF B, FIELD, TOP LAYER - BUILT-UP ROOFING		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	5.10% Glass	94.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-27 031715310-0007		Description	1980'S EDITION, ROOF B, PERIMETER FLASHING, BOTTOM LAYER, ON CONCRETE & WOOD - TAR VAPOR BARRIER		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-28 031715310-0008		Description	1980'S EDITION, ROOF A, PERIMETER FLASHING, BOTTOM LAYER, ON CONCRETE - TAR VAPOR BARRIER		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-29 031715310-0009		Description	1980'S EDITION, ROOF B, PERIMETER FLASHING, SECOND LAYER - BUILT-UP ROOFING		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	2.10% Glass	97.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-30 031715310-0010		Description	1980'S EDITION, ROOF B, PERIMETER FLASHING, SECOND LAYER - BUILT-UP ROOFING		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	2.10% Glass	97.90% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-31 031715310-0011		Description	1980'S EDITION, ROOF A, PERIMETER FLASHING, TOP LAYER - ROLLED ROOFING		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected

Report amended: 05/31/2017 13:26:13 Replaces initial report from: 05/31/2017 13:22:21 Reason Code: Data Entry-Change to Appearance



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EMSL Order: 031715310
Customer ID: QUES51
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-32 031715310-0012			Description 1980'S EDITION, ROOF B, PERIMETER FLASHING, TOP LAYER - ROLLED ROOFING		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-33 031715310-0013			Description 1980'S EDITION, ROOF A, EQUIPMENT FLASHING, BOTTOM LAYER, ON WOOD - TAR VAPOR BARRIER		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-34 031715310-0014			Description 1980'S EDITION, ROOF B, EQUIPMENT FLASHING, BOTTOM LAYER, ON WOOD - TAR VAPOR BARRIER		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	<1.00% Glass	100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-35 031715310-0015			Description 1980'S EDITION, ROOF A, EQUIPMENT FLASHING, TOP LAYER - ROLLED BUILT-UP ROOFING		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	6.30% Glass	93.70% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-36 031715310-0016			Description 1980'S EDITION, ROOF B, EQUIPMENT FLASHING, TOP LAYER - ROLLED BUILT-UP ROOFING		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black	5.90% Glass	94.10% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-37 031715310-0017			Description 1980'S EDITION, ROOF B, PITCH POCKET - TAR		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected

Report amended: 05/31/2017 13:26:13 Replaces initial report from: 05/31/2017 13:22:21 Reason Code: Data Entry-Change to Appearance



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EMSL Order: 031715310
Customer ID: QUES51
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-38 <i>031715310-0018</i>			Description 1980'S EDITION, ROOF A, PITCH POCKET - TAR		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-39 <i>031715310-0019</i>			Description 1980'S EDITION, ROOF B, PITCH POCKET, ON FENCE - TAR		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-40 <i>031715310-0020</i>			Description 1980'S EDITION, ROOF A, PITCH POCKET, ON FENCE - TAR		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
Final residue mass <1%					
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-41 <i>031715310-0021</i>			Description 1980'S EDITION, ELEVATOR/ STAIR TOWER, FLASHING, TO CEMENTITIOUS BLOCK - CAULK		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Gray		100.00% Other	None Detected
Sample ID 1052-42 <i>031715310-0022</i>			Description 1980'S EDITION, ELEVATOR/ STAIR TOWER, FLASHING, TO CEMENTITIOUS BLOCK - CAULK		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Gray		100.00% Other	None Detected
Sample ID 1052-43 <i>031715310-0023</i>			Description 1980'S EDITION, EXTERIOR, WINDOW - CAULK		
			Homogeneity Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Gray		100.00% Other	None Detected

Report amended: 05/31/2017 13:26:13 Replaces initial report from: 05/31/2017 13:22:21 Reason Code: Data Entry-Change to Appearance



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EMSL Order: 031715310
Customer ID: QUES51
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-44 <i>031715310-0024</i>		Description	1980'S EDITION, EXTERIOR, WINDOW - CAULK		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Gray		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Gray		100.00% Other	None Detected
Sample ID 1052-45 <i>031715310-0025</i>		Description	1990'S EDITION, ROOF, PERIMETER FLASHING, BOTTOM LAYER, ON WOOD - EPDM		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-46 <i>031715310-0026</i>		Description	1990'S EDITION, ROOF, FIELD, THIRD LAYER - EPDM		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-47 <i>031715310-0027</i>		Description	1990'S EDITION, ROOF, FIELD, TOP LAYER, UNDER ROCK BED - FELT PAPER		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-48 <i>031715310-0028</i>		Description	1990'S EDITION, ROOF, FIELD, TOP LAYER, UNDER ROCK BED - FELT PAPER		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-49 <i>031715310-0029</i>		Description	1990'S EDITION, ROOF, ALONG METAL LOOVER PERIMETERS - CAULK PATCH		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected

Report amended: 05/31/2017 13:26:13 Replaces initial report from: 05/31/2017 13:22:21 Reason Code: Data Entry-Change to Appearance



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307 West 38th Street New York, NY 10018

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EMSL Order: 031715310
Customer ID: QUES51
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-50 <i>031715310-0030</i>		Description	1990'S EDITION, ROOF, ALONG METAL LOOVER PERIMETERS - CAULK PATCH		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-51 <i>031715310-0031</i>		Description	1990'S EDITION, ROOF, ON METAL RAIL - TAR		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-52 <i>031715310-0032</i>		Description	1990'S EDITION, ROOF, ON METAL RAIL - TAR		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-53 <i>031715310-0033</i>		Description	1990'S EDITION, ROOF, ON GREEN STEAL BEAM - TAR		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-54 <i>031715310-0034</i>		Description	1990'S EDITION, ROOF, ON GREEN STEAL BEAM - TAR		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	Black		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	Black		100.00% Other	None Detected
Sample ID 1052-55 <i>031715310-0035</i>		Description	EXTERIOR, ALONG GLASS BLOCK, WINDOW SYSTEM PANEL - CAULK		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	White		100.00% Other	None Detected

Report amended: 05/31/2017 13:26:13 Replaces initial report from: 05/31/2017 13:22:21 Reason Code: Data Entry-Change to Appearance



EMSL Analytical, Inc.

307 West 38th Street New York, NY 10018

Tel/Fax: (212) 290-0051 / (212) 290-0058

<http://www.EMSL.com> / manhattanlab@emsl.com

EMSL Order: 031715310
Customer ID: QUES51
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

Test	Analyzed Date	Color	Non-Asbestos		Asbestos
			Fibrous	Non-Fibrous	
Sample ID 1052-56 031715310-0036		Description	EXTERIOR, ALONG GLASS BLOCK, WINDOW SYSTEM PANEL - CAULK		
		Homogeneity	Heterogeneous		
PLM NYS 198.1 Friable					Not Analyzed
PLM NYS 198.6 VCM					Not Analyzed
PLM NYS 198.6 NOB	05/31/2017	White		100.00% Other	Inconclusive: None Detected
TEM NYS 198.4 NOB	05/31/2017	White		100.00% Other	None Detected

Report amended: 05/31/2017 13:26:13 Replaces initial report from: 05/31/2017 13:22:21 Reason Code: Data Entry-Change to Appearance



EMSL Analytical, Inc.

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EMSL Order: 031715310
Customer ID: QUES51
Customer PO:
Project ID:

Test Report:Asbestos Analysis of Bulk Material

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk Materials via NYS ELAP Approved Methods . The reference number for these samples is the EMSL Order ID above . Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date: 5/25/2017
Analysis Completed Date: 5/31/2017

Sample Receipt Time: 11:50 AM
Analysis Completed Time: 1:24 AM

Analyst(s):

Shahrakur Mahmud PLM NYS 198.6 NOB (36)

Sarah Richey TEM NYS 198.4 NOB (2)

Venisha Lazarus-Barnes TEM NYS 198.4 NOB (34)

Samples reviewed and approved by:

James Hall, Laboratory Manager
or Other Approved Signatory

NOB = Non Friable Organically Bound N/A = Not Applicable VCM = Vermiculite Containing Material

-In New York State, TEM is currently the only method that can be used to determine if NOB materials can be considered or treated as non -asbestos containing.

All samples examined for the presence of vermiculite when analyzed via NYS 198.1.

-NYS Guidelines for Vermiculite containing samples are available at http://www.wadsworth.org/labcert/elapcert/forms/VermiculiteInterimGuidance_Rev070913.pdf EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations . Interpretation and use of test results are the responsibility of the client. Samples were received in good condition unless otherwise noted.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government . This report may contain data that is not covered by the NVLAP accreditation .

Samples analyzed by EMSL Analytical, Inc. New York, NY NYS ELAP 11506

Report amended: 05/31/2017 13:26:13 Replaces initial report from: 05/31/2017 13:22:21 Reason Code: Data Entry-Change to Appearance



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Phone/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnaslab@EMSL.com

EMSL Order: 041715061

Customer ID: QUES51

Customer PO:

Project ID:

Attention: Larry Goldstein
Quality Environmental Solution & Tech
1376 Route 9
Wappingers Falls, NY 12590

Phone: (845) 298-6031
Fax: (845) 298-6251
Received: 05/26/2017 9:20 AM
Analysis Date: 06/02/2017
Collected: 05/25/2017

Project: Dutchess County DPW - Dutchess County Jail - 150 North Hamilton Street, Poughkeepsie, NY 1206 - Q17-1052

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1

Method

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1052-SOFPV-01 041715061-0001	95 Addition - Penthouse Mechanical Room on Steel Column - Sprayed-on Fireproofing	Gray Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
1052-SOFPV-02 041715061-0002	95 Addition - Penthouse Mechanical Room on Steel Column - Sprayed-on Fireproofing	Gray Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
1052-SOFPV-03 041715061-0003	95 Addition - Penthouse Mechanical Room on Steel Column - Sprayed-on Fireproofing	Gray Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
1052-SOFPV-04 041715061-0004	95 Addition - Penthouse Mechanical Room on Metal Ceiling Deck - Sprayed-on Fireproofing	Tan Fibrous Homogeneous	30% Cellulose 30% Glass	40% Non-fibrous (Other)	None Detected
1052-SOFPV-05 041715061-0005	95 Addition - Penthouse Mechanical Room on Metal Ceiling Deck - Sprayed-on Fireproofing	Tan Fibrous Homogeneous	30% Cellulose 30% Glass	40% Non-fibrous (Other)	None Detected
1052-SOFPV-06 041715061-0006	95 Addition - Penthouse Mechanical Room on Metal Ceiling Deck - Sprayed-on Fireproofing	Tan Fibrous Homogeneous	30% Cellulose 30% Glass	40% Non-fibrous (Other)	None Detected

Analyst(s)

Daniel Fricker (2)

Keishla Vazquez Caraballo

(4)

Benjamin Ellis, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. All samples examined for the presence of vermiculite.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NYS ELAP 10872, PA ID# 68-00367

Report amended: 06/05/2017 09:13:34 Replaces initial report from: 06/02/2017 15:07:47 Reason Code: Client-Change to Appearance

QUALITY ENVIRONMENTAL SOLUTIONS & TECHNOLOGIES, INC.

BULK SAMPLE FORM

CLIENT Dutchess County DPW
 ADDRESS: 626 Dutchess Turnpike
Poughkeepsie, NY 12603
 CONTACT Brendan McAllister
 PROJECT ID: Dutchess County Jail
150 North Hamilton St., Poughkeepsie NY 12601
 PROJECT #: Q17-1052

SAMPLED BY: L.Goldstein, L.Johnson, T.Ranadive
 DATE SAMPLED: 25-May-17
 ANALYSIS METHOD SOF-V (198.8)
 TURN-AROUND TIME: _____ HOURS
5 DAYS
 _____ OTHER

Please Notify if Vermiculite is Present

SAMPLE # LAB#	LOCATION	SAMPLE DESCRIPTION	COMMENTS
1052-SOFPV-01	95 Addition, Penthouse Mechanical Room, on Steel Column	Sprayed-on-FireProofing	RECEIVED EMSL CINCINNATI, OH, N.J. 2017 JUN -5 A 9:1
1052-SOFPV-02	95 Addition, Penthouse Mechanical Room, on Steel Column	Sprayed-on-FireProofing	
1052-SOFPV-03	95 Addition, Penthouse Mechanical Room, on Steel Column	Sprayed-on-FireProofing	
1052-SOFPV-04	95 Addition, Penthouse Mechanical Room, on Metal Ceiling Deck	Sprayed-on-FireProofing	
1052-SOFPV-05	95 Addition, Penthouse Mechanical Room, on Metal Ceiling Deck	Sprayed-on-FireProofing	
1052-SOFPV-06	95 Addition, Penthouse Mechanical Room, on Metal Ceiling Deck	Sprayed-on-FireProofing	

CHAIN OF CUSTODY (SEE LAST PAGE)

SUBMITTED BY: Samy Holstein

DATE: 5/25/2017

RECEIVED BY: _____

DATE _____

Rcvd Reused 6.5.17 8:25 AM sc

QuES&T

Quality Environmental Solutions & Technologies, Inc.

Appendix C: ACM SPREADSHEET

1376 Route 9, Wappingers Falls, NY 12590 Phone (845) 298-6031 Fax (845) 298-6251

NYS MWBD MBE Cert # 49952-2006 NYSUCP DBE Certified NJUCP DBE Certified www.Qualityenv.com

Sample Number	Location - Non ACM	Material	Analytical Test	Result	Total Asbestos
1052-SOFFPV-01	95 Addition - Penthouse Mechanical Room on Steel Column	Sprayed-on Fireproofing	PLM	Negative	None Detected
1052-SOFFPV-02	95 Addition - Penthouse Mechanical Room on Steel Column	Sprayed-on Fireproofing	PLM	Negative	None Detected
1052-SOFFPV-03	95 Addition - Penthouse Mechanical Room on Steel Column	Sprayed-on Fireproofing	PLM	Negative	None Detected
1052-SOFFPV-04	95 Addition - Penthouse Mechanical Room on Metal Ceiling Deck	Sprayed-on Fireproofing	PLM	Negative	None Detected
1052-SOFFPV-05	95 Addition - Penthouse Mechanical Room on Metal Ceiling Deck	Sprayed-on Fireproofing	PLM	Negative	None Detected
1052-SOFFPV-06	95 Addition - Penthouse Mechanical Room on Metal Ceiling Deck	Sprayed-on Fireproofing	PLM	Negative	None Detected
1052-01	1990'S EDITION ROOF, PERIMETER FLASHING, SECOND LAYER, BLUE	ISOFOAM	PLM	Negative	None Detected
1052-02	1990'S EDITION ROOF, FIELD, SECOND LAYER, BLUE	ISOFOAM	PLM	Negative	None Detected
1052-03	1990'S EDITION ROOF, FIELD, FOURTH LAYER/ BOTTOM LAYER, ON CONCRETE DECK	ISOFOAM	PLM	Negative	None Detected
1052-04	1990'S EDITION ROOF, FACADE	CEMENT PANEL	PLM	Negative	None Detected
1052-05	1990'S EDITION ROOF, FACADE	CEMENT PANEL	PLM	Negative	None Detected
1052-06	1990'S EDITION ROOF, FIELD, DECK	CONCRETE	PLM	Negative	None Detected
1052-07	1990'S EDITION ROOF, FIELD, DECK	CONCRETE	PLM	Negative	None Detected
1052-08	EXTERIOR, WALL, CMU	MORTAR	PLM	Negative	None Detected
1052-09	EXTERIOR, WALL, CMU	MORTAR	PLM	Negative	None Detected
1052-10	EXTERIOR, WALL	CEMENTITIOUS BLOCK	PLM	Negative	None Detected
1052-11	EXTERIOR, WALL	CEMENTITIOUS BLOCK	PLM	Negative	None Detected
1052-12	1980'S EDITION, ROOF A, FIELD, SECOND LAYER	PERLITE	PLM	Negative	None Detected
1052-13	1980'S EDITION, ROOF B, FIELD, SECOND LAYER	PERLITE	PLM	Negative	None Detected
1052-14	1980'S EDITION, ROOF A, FIELD, TOP LAYER	ISOFOAM	PLM	Negative	None Detected
1052-15	1980'S EDITION, PERIMETER FLASHING, PERIMETER PARAPETWALL	CONCRETE	PLM	Negative	None Detected
1052-16	1980'S EDITION, ROOF B, FIELD DECK	CONCRETE	PLM	Negative	None Detected
1052-17	1980'S EDITION, STAIRWELL, FACADE	CEMENTITIOUS BLOCK	PLM	Negative	None Detected
1052-18	1980'S EDITION, STAIRWELL, FACADE	CEMENTITIOUS BLOCK	PLM	Negative	None Detected
1052-19	1980'S EDITION, STAIRWELL, FACADE, CMU	MORTAR	PLM	Negative	None Detected
1052-20	1980'S EDITION, STAIRWELL, FACADE, CMU	MORTAR	PLM	Negative	None Detected
1052-21	1980'S EDITION, ROOF A, FIELD, BOTTOM LAYER, ON CONCRETE	TAR VAPOR BARRIER	PLM NOB/TEM NOB	Negative	None Detected
1052-22	1980'S EDITION, ROOF A, FIELD, TOP LAYER	BUILT-UP ROOFING	PLM NOB/TEM NOB	Negative	None Detected
1052-23	1980'S EDITION, ROOF B, FIELD, BOTTOM LAYER, HOT MOP	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-24	1980'S EDITION, ROOF B, FIELD, THIRD LAYER	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-25	1980'S EDITION, ROOF B, FIELD, THIRD LAYER	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-26	1980'S EDITION, ROOF B, FIELD, TOP LAYER	BUILT-UP ROOFING	PLM NOB/TEM NOB	Negative	None Detected
1052-27	1980'S EDITION, ROOF B, PERIMETER FLASHING, BOTTOM LAYER, ON CONCRETE & WOOD	TAR VAPOR BARRIER	PLM NOB/TEM NOB	Negative	None Detected
1052-28	1980'S EDITION, ROOF A, PERIMETER FLASHING, BOTTOM LAYER, ON CONCRETE	TAR VAPOR BARRIER	PLM NOB/TEM NOB	Negative	None Detected
1052-29	1980'S EDITION, ROOF B, PERIMETER FLASHING, SECOND LAYER	BUILT-UP ROOFING	PLM NOB/TEM NOB	Negative	None Detected
1052-30	1980'S EDITION, ROOF B, PERIMETER FLASHING, SECOND LAYER	BUILT-UP ROOFING	PLM NOB/TEM NOB	Negative	None Detected
1052-31	1980'S EDITION, ROOF A, PERIMETER FLASHING, TOP LAYER	ROLLED ROOFING	PLM NOB/TEM NOB	Negative	None Detected
1052-32	1980'S EDITION, ROOF B, PERIMETER FLASHING, TOP LAYER	ROLLED ROOFING	PLM NOB/TEM NOB	Negative	None Detected
1052-33	1980'S EDITION, ROOF A, EQUIPMENT FLASHING, BOTTOM LAYER, ON WOOD	TAR VAPOR BARRIER	PLM NOB/TEM NOB	Negative	None Detected
1052-34	1980'S EDITION, ROOF B, EQUIPMENT FLASHING, BOTTOM LAYER, ON WOOD	TAR VAPOR BARRIER	PLM NOB/TEM NOB	Negative	None Detected
1052-35	1980'S EDITION, ROOF A, EQUIPMENT FLASHING, TOP LAYER	ROLLED BUILT-UP ROOFING	PLM NOB/TEM NOB	Negative	None Detected
1052-36	1980'S EDITION, ROOF B, EQUIPMENT FLASHING, TOP LAYER	ROLLED BUILT-UP ROOFING	PLM NOB/TEM NOB	Negative	None Detected
1052-37	1980'S EDITION, ROOF B, PITCH POCKET	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-38	1980'S EDITION, ROOF A, PITCH POCKET	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-39	1980'S EDITION, ROOF B, PITCH POCKET, ON FENCE	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-40	1980'S EDITION, ROOF A, PITCH POCKET, ON FENCE	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-41	1980'S EDITION, ELEVATOR/ STAIR TOWER, FLASHING, TO CEMENTITIOUS BLOCK	CAULK	PLM NOB/TEM NOB	Negative	None Detected

1052-42	1980'S EDITION, ELEVATOR/ STAIR TOWER, FLASHING, TO CEMENTITIOUS BLOCK	CAULK	PLM NOB/TEM NOB	Negative	None Detected
1052-43	1980'S EDITION, EXTERIOR, WINDOW	CAULK	PLM NOB/TEM NOB	Negative	None Detected
1052-44	1980'S EDITION, EXTERIOR, WINDOW	CAULK	PLM NOB/TEM NOB	Negative	None Detected
1052-45	1990'S EDITION, ROOF, PERIMETER FLASHING, BOTTOM LAYER, ON WOOD	EPDM	PLM NOB/TEM NOB	Negative	None Detected
1052-46	1990'S EDITION, ROOF, FIELD, THIRD LAYER	EPDM	PLM NOB/TEM NOB	Negative	None Detected
1052-47	1990'S EDITION, ROOF, FIELD, TOP LAYER, UNDER ROCK BED	FELT PAPER	PLM NOB/TEM NOB	Negative	None Detected
1052-48	1990'S EDITION, ROOF, FIELD, TOP LAYER, UNDER ROCK BED	FELT PAPER	PLM NOB/TEM NOB	Negative	None Detected
1052-49	1990'S EDITION, ROOF, ALONG METAL LOOVER PERIMETERS	CAULK PATCH	PLM NOB/TEM NOB	Negative	None Detected
1052-50	1990'S EDITION, ROOF, ALONG METAL LOOVER PERIMETERS	CAULK PATCH	PLM NOB/TEM NOB	Negative	None Detected
1052-51	1990'S EDITION, ROOF, ON METAL RAIL	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-52	1990'S EDITION, ROOF, ON METAL RAIL	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-53	1990'S EDITION, ROOF, ON GREEN STEAL BEAM	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-54	1990'S EDITION, ROOF, ON GREEN STEAL BEAM	TAR	PLM NOB/TEM NOB	Negative	None Detected
1052-55	EXTERIOR, ALONG GLASS BLOCK, WINDOW SYSTEM PANEL	CAULK	PLM NOB/TEM NOB	Negative	None Detected
1052-56	EXTERIOR, ALONG GLASS BLOCK, WINDOW SYSTEM PANEL	CAULK	PLM NOB/TEM NOB	Negative	None Detected
1052-52	1990's Edition - First Floor - Wall on Cementitious Block - Covebase Molding	Adhesive	PLM NOB/TEM NOB	Negative	None Detected
1052-53	1990's Edition - Second Floor - Wall on Cementitious Block - Covebase Molding	Adhesive	PLM NOB/TEM NOB	Negative	None Detected
1052-54	1990's Edition - First Floor - Unit 20 Wall on Cementitious Block	Cove Base Molding	PLM NOB/TEM NOB	Negative	None Detected
1052-55	1990's Edition - Second Floor - 1990's Addition Wall on Cementitious Block	Cove Base Molding	PLM NOB/TEM NOB	Negative	None Detected
1052-56-Cove Base	1980's Edition - Unit 1 Second Floor - Control Tower Wall on Cementitious Block - Green	Cove Base Molding	PLM NOB/TEM NOB	Negative	None Detected
1052-56-Mastic	1980's Edition - Unit 1 Second Floor - Control Tower Wall on Cementitious Block - Green	Mastic	PLM NOB/TEM NOB	Negative	None Detected
1052-57-Cove Base	1980's Edition - Unit 1 Second Floor - Control Tower Wall on Cementitious Block - Green	Cove Base Molding	PLM NOB/TEM NOB	Negative	None Detected
1052-57-Mastic	1980's Edition - Unit 1 Second Floor - Control Tower Wall on Cementitious Block - Green	Mastic	PLM NOB/TEM NOB	Negative	None Detected
1052-60	1980's Edition - Second Floor - Unit 1 Chase "I" on Metal Return	Duct Sealant	PLM NOB/TEM NOB	Negative	None Detected
1052-61	1980's Edition - Second Floor - Unit 1 Chase "I" on Metal Return	Duct Sealant	PLM NOB/TEM NOB	Negative	None Detected
1052-63	1980's Edition - Second Floor - Hallway Floor on Concrete	Mastic	PLM NOB/TEM NOB	Negative	None Detected
1052-64	1980's Edition - Second Floor - Hallway Floor on Concrete - 1x1	Floor Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-65	1980's Edition - Second Floor - Hallway Floor on Concrete - 1x1	Floor Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-66	1980's Edition - Second Floor - Break Room Sink	Anti-Sweat Tar	PLM NOB/TEM NOB	Negative	None Detected
1052-67	1980's Edition - Second Floor - Break Room Sink	Anti-Sweat Tar	PLM NOB/TEM NOB	Negative	None Detected
1052-68	1980's Edition - Second Floor - Unit 1 Control Tower Ceiling 2x4 Dot Speckle	Ceiling Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-69	1980's Edition - Second Floor - Unit 1 Control Tower Ceiling 2x4 Dot Speckle	Ceiling Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-70	1980's Edition - Second Floor - Officer's Bathroom Sink	Caulk	PLM NOB/TEM NOB	Negative	None Detected
1052-71	1980's Edition - Second Floor - Officer's Bathroom Sink	Caulk	PLM NOB/TEM NOB	Negative	None Detected
1052-72	1980's Edition - Unit 1 Cell 20 Sink	Caulk	PLM NOB/TEM NOB	Negative	None Detected
1052-73	1980's Edition - Unit 1 Cell 20 Sink	Caulk	PLM NOB/TEM NOB	Negative	None Detected
1052-76	1980's Edition - Office Area Ceiling on Sheetrock under 1x1 Ceiling Tile	Glue Dabs	PLM NOB/TEM NOB	Negative	None Detected
1052-77	1980's Edition - Office Area Ceiling on Sheetrock under 1x1 Ceiling Tile	Glue Dabs	PLM NOB/TEM NOB	Negative	None Detected
1052-78	1980's Edition - Office Area Ceiling on Sheetrock 1x1 Dot Spec	Ceiling Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-79	1980's Edition - Office Area Ceiling on Sheetrock 1x1 Dot Spec	Ceiling Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-80	1980's Edition - Second Floor - Unit 23 Window	Caulk	PLM NOB/TEM NOB	Negative	None Detected
1052-81	1980's Edition - Second Floor - Unit 23 Window	Caulk	PLM NOB/TEM NOB	Negative	None Detected
1052-83	1990's Edition - Second Floor Window by Unit 23	Caulk	PLM NOB/TEM NOB	Negative	None Detected
1052-84	1990's Edition - Second Floor Hallway by Unit 23 Ceiling 2x4	Ceiling Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-85	1990's Edition - Second Floor Hallway by Unit 23 Ceiling 2x4	Ceiling Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-86	1990's Edition - First Floor - Unit 20 Cell 3 Sink	Caulk	PLM NOB/TEM NOB	Negative	None Detected
1052-87	1990's Edition - First Floor - Unit 20 Cell 3 Sink	Caulk	PLM NOB/TEM NOB	Negative	None Detected
1052-88	1990's Edition - First Floor - Unit 20 Floor on Concrete under 1x1 Floor Tile	Mastic	PLM NOB/TEM NOB	Negative	None Detected
1052-89	1990's Edition - First Floor - Unit 20 Floor on Concrete under 1x1 Floor Tile	Mastic	PLM NOB/TEM NOB	Negative	None Detected
1052-90	1990's Edition - First Floor - Unit 20 Floor on Concrete 1x1	Floor Tile	PLM NOB/TEM NOB	Negative	None Detected

1052-91	1990's Edition - First Floor - Unit 20 Floor on Concrete 1x1	Floor Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-92	1980's Edition - Second Floor - Break Room Floor on Concrete under 1x1 Brown Floor Tile	Mastic	PLM NOB/TEM NOB	Negative	None Detected
1052-93	1980's Edition - Second Floor - Break Room Floor on Concrete under 1x1 Brown Floor Tile	Mastic	PLM NOB/TEM NOB	Negative	None Detected
1052-94	1980's Edition - Second Floor - Break Room Floor on Concrete Brown 1x1	Floor Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-95	1980's Edition - Second Floor - Break Room Floor on Concrete Brown 1x1	Floor Tile	PLM NOB/TEM NOB	Negative	None Detected
1052-07	1980's Edition - Second Floor - Hallway - Ceiling on Sheetrock	Joint Compound	PLM	Negative	None Detected
1052-08	1980's Edition - Second Floor - Hallway - Ceiling on Sheetrock	Joint Compound	PLM	Negative	None Detected
1052-09	1980's Edition - Second Floor - Hallway - Ceiling on Sheetrock	Joint Compound	PLM	Negative	None Detected
1052-10	1990's Edition - First Floor - Unit 20 - Wall on Sheetrock	Joint Compound	PLM	Negative	None Detected
1052-11	1990's Edition - First Floor - Unit 20 - Wall on Sheetrock	Joint Compound	PLM	Negative	None Detected
1052-12	1990's Edition - First Floor - Unit 20 - Wall on Sheetrock	Joint Compound	PLM	Negative	None Detected
1052-13	1980's Edition - Second Floor - Hallway - Ceiling	Sheetrock	PLM	Negative	None Detected
1052-14	1990's Edition - First Floor - Unit 20 - Wall	Sheetrock	PLM	Negative	None Detected
1052-15	1980's Edition - Kitchen - Floor - under Quarry Tile	Mudset	PLM	Negative	None Detected
1052-16	1980's Edition - Kitchen - Floor - under Quarry Tile	Mudset	PLM	Negative	None Detected
1052-17	1980's Edition - Kitchen - Floor - under Quarry Tile	Grout	PLM	Negative	None Detected
1052-18	1980's Edition - Kitchen - Floor - under Quarry Tile	Grout	PLM	Negative	None Detected
1052-19	1980's Edition - Kitchen - Floor	Quarry Tile	PLM	Negative	None Detected
1052-20	1980's Edition - Kitchen - Floor	Quarry Tile	PLM	Negative	None Detected
1052-21	1980's Edition - Third Floor - Unit 11	Mudded Joint Packing	PLM	Negative	None Detected
1052-22	1980's Edition - Second Floor - Unit 1 - in Pipe Chase (H) on Metal Pipe - Elbow	Mudded Joint Packing	PLM	Negative	None Detected
1052-23	1980's Edition - Basement - Mechanical Room	Mudded Joint Packing	PLM	Negative	None Detected
1052-24	1980's Edition - Unit 1 - Structural Column	Concrete	PLM	Negative	None Detected
1052-25	1980's Edition - Unit 1 - Structural Column	Concrete	PLM	Negative	None Detected
1052-26	1980's Edition - Basement - Mechanical Room - Structural Column	Concrete	PLM	Negative	None Detected
1052-27	1980's Edition - Basement - Mechanical Room - Structural Column	Concrete	PLM	Negative	None Detected
1052-28	1980's Edition - Second Floor - Unit 1 - Cell 20 - Floor	Cement Slab	PLM	Negative	None Detected
1052-29	1980's Edition - Third Floor - Floor	Cement Slab	PLM	Negative	None Detected
1052-30	1980's Edition - Second Floor - Unit 1 - Cell 20 - Wall - CMU	Mortar	PLM	Negative	None Detected
1052-31	1980's Edition - Third Floor - Unit 11 - Wall - CMU	Mortar	PLM	Negative	None Detected
1052-32	1980's Edition - Second Floor - Unit 1 - Cell 20 - Wall	Cementitious Block	PLM	Negative	None Detected
1052-33	1980's Edition - Third Floor - Unit 11 - Wall	Cementitious Block	PLM	Negative	None Detected
1052-34	1990's Edition - Second Floor - Unit 23 - Storage Closet - Wall - Ceramic Tile	Grout	PLM	Negative	None Detected
1052-35	1990's Edition - Second Floor - Unit 23 - Storage Closet - Wall - Ceramic Tile	Grout	PLM	Negative	None Detected
1052-36	1990's Edition - Second Floor - Unit 23 - Storage Closet - Wall behind Ceramic Tile	Thinset	PLM	Negative	None Detected
1052-37	1990's Edition - Second Floor - Unit 23 - Storage Closet - Wall behind Ceramic Tile	Thinset	PLM	Negative	None Detected
1052-38	1990's Edition - Second Floor - Unit 23 - Closet on CMU Wall	Ceramic Tile	PLM	Negative	None Detected
1052-39	1990's Edition - Second Floor - Unit 23 - Closet on CMU Wall	Ceramic Tile	PLM	Negative	None Detected
1052-40	1990's Edition - Second Floor - Unit 23 - Floor - Ceramic Tile	Grout	PLM	Negative	None Detected
1052-41	1990's Edition - Second Floor - Unit 23 - Floor - Ceramic Tile	Grout	PLM	Negative	None Detected
1052-42	1990's Edition - Second Floor - Unit 23 - Floor - Ceramic Tile	Mudset	PLM	Negative	None Detected
1052-43	1990's Edition - Second Floor - Unit 23 - Floor - Ceramic Tile	Mudset	PLM	Negative	None Detected
1052-44	1990's Edition - Second Floor - Unit 23 - Floor	Ceramic Tile	PLM	Negative	None Detected
1052-45	1990's Edition - Second Floor - Unit 23 - Floor	Ceramic Tile	PLM	Negative	None Detected
1052-46	1990's Edition - Second Floor - Unit 23 - Pipe Chase - Wall - CMU	Mortar	PLM	Negative	None Detected
1052-47	1990's Edition - Second Floor - Unit 23 - Pipe Chase - Wall - CMU	Mortar	PLM	Negative	None Detected
1052-48	1990's Edition - Second Floor - Unit 23 - Pipe Chase - Wall	Cementitious Block	PLM	Negative	None Detected
1052-49	1990's Edition - Second Floor - Unit 23 - Pipe Chase - Wall	Cementitious Block	PLM	Negative	None Detected
1052-50	1990's Edition - Second Floor - Unit 23 - Storage Closet - Floor	Concrete	PLM	Negative	None Detected
1052-51	1990's Edition - Second Floor - Unit 23 - Storage Closet - Floor	Concrete	PLM	Negative	None Detected

Sample Number	Location - ACM	Material	Analytical Test	Result	Total Asbestos
1052-58	1980's Edition - Second Floor - Unit 1 Control Tower Along Window Glass to Casing	Glazing	PLM NOB	Positive: 3.1	Chrysotile
1052-59	1980's Edition - Second Floor - Unit 1 Control Tower Along Window Glass to Casing	Glazing	PLM NOB	Positive Stop	
1052-62	1980's Edition - Second Floor - Hallway Floor on Concrete	Mastic	PLM NOB/TEM NOB	None Detected / <1	Neg / Anthophyllite
1052-74	1980's Edition - Loading Dock on Concrete	Epoxy Coating	PLM NOB	Positive: 6.8	Chrysotile
1052-75	1980's Edition - Loading Dock on Concrete	Epoxy Coating	PLM NOB	Positive Stop	
1052-82	1990's Edition - Second Floor Window by Unit 23	Caulk	PLM NOB/TEM NOB	None Detected / <1	Neg / Chrysotile



Quality Environmental Solutions & Technologies, Inc.

Appendix D: PERSONNEL LICENSES & CERTIFICATIONS

1376 Route 9, Wappingers Falls, NY 12590 Phone (845) 298-6031 Fax (845) 298-6251

NYS MWBD MBE Cert # 49952-2006 NYSUCP DBE Certified NJUCP DBE Certified www.Qualityenv.com

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. PHILLIP M. WORBY
EMSL ANALYTICAL INC
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077

NY Lab Id No: 10872

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Asbestos-Vermiculite-Containing Material	Item 198.8 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 6010C EPA 7000B

Sample Preparation Methods

EPA 3050B

Serial No.: 55813

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2018
Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. JAMES HALL
EMSL ANALYTICAL, INC
307 WEST 38TH STREET SUITE 901
NEW YORK, NY 10018

NY Lab Id No: 11506

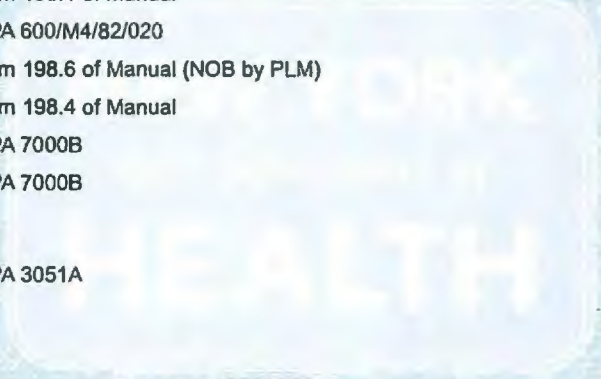
*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 7000B
Lead in Paint	EPA 7000B

Sample Preparation Methods

EPA 3051A



Serial No.: 56045

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE
MINORITY- AND WOMEN-OWNED BUSINESS
ENTERPRISE ("MWBE")
CERTIFICATION

Empire State Development's Division of Minority and Women's Business
Development grants a

Minority Business Enterprise (MBE)

pursuant to New York State Executive Law, Article 15-A to:

Quality Environmental Solutions & Technologies
Inc.

Certification Awarded on: August 11, 2015

Expiration Date: August 11, 2018

File ID#: 49952



**Division of Minority
and Women's
Business Development**

A Division of Empire State Development

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Quality Environmental Solutions & Technologies, Inc.
1376 Route 9
Wappinger Falls, NY 12590

FILE NUMBER: 99-0018
LICENSE NUMBER: 29085
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 01/26/2017
EXPIRATION DATE: 01/31/2018

Duly Authorized Representative – Lawrence J Holzapfel:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



LOUIS N JOHNSON III
CLASS(EXPIRES)
C ATEC(06/17) D INSP(06/17)
E MGPL(06/18) H PM (06/17)
I PD (06/17)

CERT# 08-05954
DMV# 641924292

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 004247644 03

EYES BLU
HAIR BLN
HGT 5' 10"

IF FOUND RETURN TO:
NYS DOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

OSHA 001897147



U.S. Department of Labor
Occupational Safety and Health Administration

Louis Johnson III

has successfully completed a 10-hour Occupational Safety and Health
Training Course in

Construction Safety & Health

Walter C. Veit

06/10/08
(Date)

(Trainer)

OSHA recommends Outreach Training courses as an orientation to occupational safety and health for workers. Participation is voluntary. Workers must receive additional training on specific hazards of their job. This course completion card does not expire.

For further information see our web site at www.osha.gov/outreach.html

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



TANAY RANADIVE
CLASS(EXPIRES)
C ATEC(06/18) D INSP(06/18)
H PM (06/18)

CERT# 15-10696
DMV# 859664473

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 004333405 18

EYES BRO
HAIR BLK
HGT 5' 10"

IF FOUND RETURN TO:
NYS DOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240



12-005398747

This card acknowledges that the recipient has successfully completed a
10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Tanay Ranadive

David Veit

06/05/2015

(Signer name – print or type)

(Course end date)

OSHA recommends Outreach Training Courses as an orientation to occupational safety and health for workers. Participation is voluntary. Workers must receive additional training on specific hazards of their job. This course completion card does not expire.

Use or distribution of this card for fraudulent purposes, including false claims of having received training, may result in prosecution under 18 U.S.C. 1001. Potential penalties include substantial criminal fines, imprisonment up to five years, or both.

Use OSHA Outreach Training Program logo to "Trainee" at www.osha.gov

OSHA-3090-02-15

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



LAURENCE S GOLDSTEIN
CLASS(EXPIRES)
C ATEC(01/18) D INSP(01/18)
E MGPL(01/18) H PM (01/18)
I PD (01/18)

CERT# 12-20855
DMV# 684731887

MUST BE CARRIED ON ASBESTOS PROJECTS



01213 004247897 49

EYES BRO
HAIR BRO
HGT 5' 08"

IF FOUND RETURN TO:
NYSDEL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

This card acknowledges that the recipient has successfully completed a
10-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Lawrence Goldstein

David Veit

11/28/2012

(Trainer name – print or type)

(Course end date)

QuES&T

Quality Environmental Solutions & Technologies, Inc.

Appendix E: LEAD REPORT

1376 Route 9, Wappingers Falls, NY 12590 Phone (845) 298-6031 Fax (845) 298-6251

NYS MWBD MBE Cert # 49952-2006 NYSUCP DBE Certified NJUCP DBE Certified www.Qualityenv.com

QuES&T

Quality Environmental Solutions & Technologies, Inc.

July 19th, 2017

Dutchess County Department of Public Works
626 Dutchess Turnpike
Poughkeepsie, NY 12603

ATTN: Brendan McAllister

Via E-mail: dpwadmin@dutchessny.gov

Re: Dutchess County Jail
150 North Hamilton Street, Poughkeepsie NY 12601
Limited XRF Lead Survey
QuES&T Project #Q17-1052

Dear Mr. McAllister,

Quality Environmental Solutions & Technologies, Inc. (QuES&T) was retained by Dutchess County Department of Public Works to complete a limited Lead-Based Paint Survey, utilizing X-Ray Fluorescence Technology (XRF), throughout the interiors and exteriors of Dutchess County Jail at 150 North Hamilton Street, Poughkeepsie, New York 12601. The survey was limited to specific accessible, representative building components & immovable objects, potentially affected by possible future renovation activities.

Niton-certified XRF Technician Louis Johnson III of **QuES&T**, collected a total of one-hundred nineteen (**119**) samples (including calibrations) on July 18, 2017. Findings and existing documentation associated from previously conducted inspections, performed directly by **QuES&T**, were incorporated into, and listed within, this report.

QuES & T

Quality Environmental Solutions & Technologies, Inc.

Based on review of the data generated by the Niton XLP-300A XRF Spectrum Analyzer, the following surfaces tested were identified as lead-based, as defined by HUD/EPA (equal to or in excess of 1.0 milligram per square centimeter):

Dutchess County Jail – 1990s Addition Interiors:

Location of Identified LBP	LBP Component	Substrate	Color	LBP Condition	Approx. Qty.
New Lobby: Men's Bathroom	Wall	Ceramic Tile	Glazed Blue	Fair	300 SF
New Lobby: Women's Bathroom	Wall	Ceramic Tile	Glazed Blue	Fair	300 SF

- Additionally, it should be noted that a few components tested did in fact contain minimal lead levels, below the EPA threshold level of 1.0 mg/sq. cm. for classification as Lead-Based Paint (LBP) and are considered lead-containing coatings by the OSHA Regulation, "Lead Exposure in Construction" (29 CFR 1926.62). OSHA does not recognize a minimum limit for lead concentrations in paint for the purposes of disturbance. Monitoring of workers performing demolition/cleaning/disturbance of painted surfaces shall be completed to document personnel occupational exposure. Items containing any amount of lead concentration are considered lead-containing coatings per 29 CFR 1926.62, OSHA Lead Exposure in Construction.

QuES&T

Quality Environmental Solutions & Technologies, Inc.

It should be noted that the information contained within this report is based upon observation and test results provided by **QuES&T**. These observations and results are time dependent, subject to changing site conditions and revisions to Federal, State, and Local regulations. **QuES&T** warrants that these findings have been promulgated after being prepared in general accordance with generally accepted practices in the abatement industries. **QuES&T** also recognizes that raw testing data is not usually sufficient to make all abatement and management decisions. No other warranties are expressed or implied.

Should you wish to discuss this matter further or require additional information concerning this transmittal, feel free to contact us at (845) 298- 6031. **QuES&T** greatly appreciates the opportunity to assist Dutchess County Department of Public Works in the environmental services area and we look forward to working again with you in the future.

Sincerely,

Tanay Ranadive

Tanay Ranadive
Field and Technical Services
NYS AHERA Inspector
Cert. #AH 15-10696
NYS Mold Assessor

Cc: lgoldstein@qualityenv.com
QuES&T File

QuES&T

Quality Environmental Solutions & Technologies, Inc.

Appendix A: ANALYTICAL DATA

<u>Sample</u>	<u>Building/Address</u>	<u>Interior/Exterior</u>	<u>Floor</u>	<u>Space/Room/Description</u>	<u>Object</u>	<u>Component</u>	<u>Substrate</u>	<u>Color</u>	<u>Condition</u>	<u>Result</u>	<u>Pb Concentration</u> <i>(mg/cm2)</i>	<u>Pb Error</u> <i>(mg/cm2)</i>
1	Shutter Calibration										1.32	0
2	<u>NIST</u>									Positive	1.1	0.1
3	NIST								Fair	Negative	0	0.02
4	Jail - 1990's Addition	Interior	1	Initial Old Lobby	Wall		CMU	Beige	Fair	Negative	0	0.02
5	Jail - 1990's Addition	Interior	1	Initial Old Lobby	Window	Casing	Metal	Brown	Fair	Negative	0.3	0.43
6	Jail - 1990's Addition	Interior	1	Initial Old Lobby	Heater	Vent	Metal	Beige	Fair	Negative	0	0.02
7	Jail - 1990's Addition	Interior	1	Initial Old Lobby	Floor		Ceramic	Brown	Fair	Negative	0.06	0.07
8	Jail - 1990's Addition	Interior	1	Initial Old Lobby	Wall		Sheetrock	Beige	Fair	Negative	0	0.02
9	Jail - 1990's Addition	Interior	1	New Lobby	Door		Metal	Pink	Fair	Negative	0	0.02
10	Jail - 1990's Addition	Interior	1	New Lobby	Door	Casing	Metal	Grey	Fair	Negative	0	0.03
11	Jail - 1990's Addition	Interior	1	New Lobby: Men's BathRoom	Wall	Lower	Ceramic Tile	Glazed Blue	Fair	Positive	1.5	0.5
12	Jail - 1990's Addition	Interior	1	New Lobby: Men's BathRoom	Wall	Upper	Ceramic Tile	Glazed White	Fair	Negative	0.01	0.05
13	Jail - 1990's Addition	Interior	1	New Lobby: Men's BathRoom	Floor			Glazed Blue	Fair	Negative	0.02	0.03
14	Jail - 1990's Addition	Interior	1	New Lobby: Men's BathRoom	Urinal			Glazed White	Fair	Negative	0.01	0.06
15	Jail - 1990's Addition	Interior	1	New Lobby: Men's BathRoom	Toilet			Glazed White	Fair	Negative	0.06	0.26
16	Jail - 1990's Addition	Interior	1	New Lobby: Men's BathRoom	Privacy Door			Blue	Fair	Negative	0	0.02
17	Jail - 1990's Addition	Interior	1	New Lobby: Lockers	Door		Metal	Light Blue	Fair	Negative	0.01	0.04
18	Jail - 1990's Addition	Interior	1	New Lobby: Lockers	Door	Frame	Metal	Dark Blue	Fair	Negative	0.03	0.09
19	Jail - 1990's Addition	Interior	1	Main Entrance	Floor		Ceramic	Gray	Fair	Negative	0	0.02
20	Jail - 1990's Addition	Interior	1	Main Entrance: Locker	Door		Metal	Green	Fair	Negative	0	0.03
21	Jail - 1990's Addition	Interior	1	Main Entrance	Column		CMU	Brown	Fair	Negative	0	0.02
22	Jail - 1990's Addition	Interior	1	Main Entrance: Salley Port	Door		Metal	Red	Fair	Negative	0	0.02
23	Jail - 1990's Addition	Interior	1	Main Entrance: Salley Port	Door	Casing	Metal	Gray	Fair	Negative	0	0.02
24	Jail - 1990's Addition	Interior	1	95 Addition	Wall		CMU	Tan	Fair	Negative	0	0.02
25	Jail - 1990's Addition	Interior	1	Recovery Sargent Office	Wall		CMU	Gray	Fair	Negative	0	0.02
26	Jail - 1990's Addition	Interior	1	Recovery Sargent Office	Wall		CMU	Blue	Fair	Negative	0	0.02
27	Jail - 1990's Addition	Interior		Holding Cell - Bench Support	Wall		CMU	Blue	Fair	Negative	0	0.02
28	Jail - 1990's Addition	Interior		Holding Cell - Bench Support	Floor		CMU	Gray	Fair	Negative	0	0.02
29	Jail - 1990's Addition	Interior		Classification	Sink		Porcelain	Glazed White	Fair	Negative	0	0.02
30	Jail - 1990's Addition	Interior		Bathroom	Wall	CoveBase	Ceramic	Glazed White	Fair	Negative	0.02	0.09
31	Jail - 1990's Addition	Interior		Bathroom	Floor		Ceramic	Glazed Blue	Fair	Negative	0.03	0.14
32	Jail - 1990's Addition	Interior		Bathroom	Floor		Marble	Glazed White	Fair	Negative	0.02	0.07
33	Jail - 1990's Addition	Interior		Receiving - Booking	Heater Casing		Metal	White	Fair	Negative	0	0.02
34	Jail - 1990's Addition	Interior		Housing Unit 20	Wall		CMU	Glazed White	Fair	Negative	0	0.02

35	Jail - 1990's Addition	Interior	Housing Unit 20	Floor		Terrazzo	Glazed White	Fair	Negative	0	0.02
36	Jail - 1990's Addition	Interior	Housing Unit 20 - Shower	Floor		Ceramic Tile	Glazed White	Fair	Negative	0.02	0.08
37	Jail - 1990's Addition	Interior	Housing Unit 20 - Shower	Wall		Sheetrock	Glazed White	Fair	Negative	0	0.02
38	Jail - 1990's Addition	Interior	Housing Unit 20 - Shower	Window	Casing	Metal	Green	Fair	Negative	0	0.03
39	Jail - 1990's Addition	Interior	Housing Unit 20	Door	Pipe Chase	Metal	Green	Fair	Negative	0	0.02
40	Jail - 1990's Addition	Interior	Housing Unit 20	Door	Casing	Metal	Red	Fair	Negative	0	0.02
41	Jail - 1990's Addition	Interior	Housing Unit 20	Bed		Metal	Green	Fair	Negative	0	0.02
42	Jail - 1990's Addition	Interior	Housing Unit 20	Table		Metal	Green	Fair	Negative	0.03	0.08
43	Jail - 1990's Addition	Interior	Housing Unit 20	Wood Case		Wood	Tan	Fair	Negative	0	0.02
44	Jail - 1990's Addition	Interior	Housing Unit 20	Ceiling		Sheetrock	White	Fair	Negative	0	0.02
45	Jail - 1990's Addition	Interior	Housing Unit 20	Grate		Metal	White	Fair	Negative	0	0.02
46	Jail - 1990's Addition	Interior	Housing Unit 20	Hatch Door		Metal	White	Fair	Negative	0	0.02
47	Jail - 1990's Addition	Interior	Housing Unit 20	Grate	Pipe Chase	Metal	White	Fair	Negative	0.01	0.04
48	Jail - 1990's Addition	Interior	Housing Unit 20	Interview Table		Metal	Green	Fair	Negative	0	0.02
49	Jail - 1990's Addition	Interior	Housing Unit 20	Elevator Door		Metal	Green	Fair	Negative	0	0.02
50	Jail - 1990's Addition	Interior	Housing Unit 20	Elevator Buck		Metal	Gray	Fair	Negative	0.01	0.04
51	Jail - 1990's Addition	Interior	Housing Unit 20	Window	Frame	Metal	White	Fair	Negative	0	0.02
52	Jail - 1990's Addition	Interior	Housing Unit 23 - Basketball Area	Table	Leg	Metal	Beige	Fair	Negative	0	0.02
53	Jail - 1990's Addition	Exterior	Housing Unit 23 - Basketball Area	Wall		CMU	Yellow	Fair	Negative	0	0.02
54	Jail - 1990's Addition	Exterior	Housing Unit 23 - Basketball Area	Window	Lintel	Metal	White	Fair	Negative	0	0.02
55	Jail - 1990's Addition	Exterior	Housing Unit 23 - Basketball Area	Column		CMU	Green	Fair	Negative	0	0.02
56	Jail - 1990's Addition	Exterior	Housing Unit 23 - Basketball Area	Basketball Paint			Blue	Fair	Negative	0.12	0.31
57	Jail - 1990's Addition	Interior	Housing Unit 23 - Closet	Floor		Ceramic Tile	White	Fair	Negative	0	0.02
58	Jail - 1990's Addition	Interior	Housing Unit 23 - Closet	Floor		Ceramic Tile	Beige	Fair	Negative	0	0.02
59	Jail - 1990's Addition	Interior	Housing Unit 23	Ceiling		Sheetrock	Tan	Fair	Negative	0	0.02
60	Jail - 1990's Addition	Interior	Housing Unit 23	Sink		Porcelain	Glazed White	Fair	Negative	0.03	0.14
61	Jail - 1990's Addition	Interior	Housing Unit 23	Toliet		Porcelain	Glazed White	Fair	Negative	0	0.03
62	Jail - 1990's Addition	Interior	Housing Unit 23	Bed		Metal	Green	Fair	Negative	0	0.02
63	Jail - 1990's Addition	Interior	Housing Unit 23	Table		Metal	Green	Fair	Negative	0.14	0.48
64	Jail - 1990's Addition	Interior	Housing Unit 23	Floor		Concrete	Gray	Fair	Negative	0.03	0.16
65	Jail - 1990's Addition	Interior	Housing Unit 23 - Staircase	Rail		Metal	Green	Fair	Negative	0	0.02
66	Jail - 1990's Addition	Interior	Housing Unit 23 - Staircase	Stringer		Metal	Green	Fair	Negative	0	0.02
67	Jail - 1990's Addition	Interior	Housing Unit 23 - Staircase	Door	Pipe Chase	Metal	Green	Fair	Negative	0.01	0.03
68	Jail - 1990's Addition	Interior	Housing Unit 23 - Staircase	Door	FireHose	Metal	Red	Fair	Negative	0	0.02
69	Jail - 1990's Addition	Interior	Housing Unit 23 - Staircase	Cell Door		Metal	Pink	Fair	Negative	0	0.02
70	Jail - 1990's Addition	Interior	Housing Unit 23 - Staircase	Cell Door	Casing	Metal	Gray	Fair	Negative	0	0.02
71	Jail - 1990's Addition	Interior	Housing Unit 23 - Staircase	Radiator Case		Metal	Tan	Fair	Negative	0	0.02

72	Jail - 1990's Addition	Interior	Stair 6	Rail		Metal	Green	Fair	Negative	0	0.02
73	Jail - 1990's Addition	Interior	Stair 6	Pipe		Metal	Black	Fair	Negative	0	0.02
74	Jail - 1990's Addition	Interior	Stair 6	Flange		Metal	Orange	Fair	Negative	0	0.02
75	Jail - 1980's Addition	Interior	Control Tower	Column		Concrete	Tan	Fair	Negative	0	0.02
76	Jail - 1980's Addition	Interior	Control Tower	Ceiling		Concrete	Tan	Fair	Negative	0	0.02
77	Jail - 1980's Addition	Interior	Control Tower	Wall		CMU	Tan	Fair	Negative	0	0.02
78	Jail - 1980's Addition	Interior	Control Tower	Ceiling		Sheetrock	Tan	Fair	Negative	0	0.02
79	Jail - 1980's Addition	Interior	Control Tower	Door		Metal	Pink	Fair	Negative	0	0.02
80	Jail - 1980's Addition	Interior	Control Tower	Door	Casing	Metal	Gray	Fair	Negative	0	0.02
81	Jail - 1980's Addition	Interior	Control Tower	Bench		Metal	Gray	Fair	Negative	0	0.02
82	Jail - 1980's Addition	Interior	Control Tower	Elevator Door		Metal	Green	Fair	Negative	0	0.02
83	Jail - 1980's Addition	Interior	Control Tower	Elevator Buck		Metal	Green	Fair	Negative	0	0.02
84	Jail - 1980's Addition	Interior	Control Tower	Door		Metal	Green	Fair	Negative	0	0.02
85	Jail - 1980's Addition	Interior	Control Tower	Door	Buck	Metal	Green	Fair	Negative	0	0.02
86	Jail - 1980's Addition	Interior	Unit 5	Wall	Grate	Metal	Tan	Fair	Negative	0.11	0.13
87	Jail - 1980's Addition	Interior	Unit 5	Sink		Porcelain	Glazed White	Fair	Negative	0.07	0.09
88	Jail - 1980's Addition	Interior	Unit 5	Toilet		Porcelain	Glazed White	Fair	Negative	0	0.02
89	Jail - 1980's Addition	Interior	Unit 5	Wall		CMU	Tan	Fair	Negative	0	0.02
90	Jail - 1980's Addition	Interior	Unit 5	Floor		Concrete	Gray	Fair	Negative	0	0.02
91	Jail - 1980's Addition	Interior	Unit 5	Bed		Metal	Green	Fair	Negative	0	0.03
92	Jail - 1980's Addition	Interior	Unit 5	Table		Metal	Green	Fair	Negative	0.03	0.14
93	Jail - 1980's Addition	Interior	Unit 5	Heater		Metal	Tan	Fair	Negative	0	0.02
94	Jail - 1980's Addition	Interior	Unit 5	Window		Metal	Tan	Fair	Negative	0	0.02
95	Jail - 1980's Addition	Interior	Unit 5	Ceiling		Concrete	Tan	Fair	Negative	0	0.02
96	Jail - 1980's Addition	Interior	Unit 5	Cell Door		Metal	Green	Fair	Negative	0	0.02
97	Jail - 1980's Addition	Interior	Unit 5	Cell Door	Casing	Metal	Green	Fair	Negative	0	0.02
98	Jail - 1980's Addition	Interior	Unit 5	Shower Wall		Ceramic Tile	White	Fair	Negative	0.13	0.2
99	Jail - 1980's Addition	Interior	Unit 5	Shower Floor		Terrazzo	Tan	Fair	Negative	0	0.02
100	Jail - 1980's Addition	Interior	Unit 5	Door	Pipe Chase	Metal	Green	Fair	Negative	0.02	0.06
101	Jail - 1980's Addition	Interior	Unit 5	Floor		Terrazzo	Red	Fair	Negative	0	0.02
102	Jail - 1980's Addition	Interior	Unit 5 Kitchen	Floor		Ceramic Tile	Red	Fair	Negative	0.01	0.06
103	Jail - 1980's Addition	Interior	Unit 5 Closet	Wall		CMU	Green	Fair	Negative	0	0.02
104	Jail - 1980's Addition	Interior	Unit 5 Loading Dock	Floor		CMU	Black	Fair	Negative	0.6	0.4
105	Jail - 1980's Addition	Interior	Unit 5 Loading Dock	Window	Casing	Metal	Green	Fair	Negative	0	0.02
106	Jail - 1980's Addition	Interior	Unit 5 Loading Dock	Rolled Up Door	Casing	Metal	Gray	Fair	Negative	0.02	0.03
107	Jail - 1980's Addition	Interior	Unit 5 Men's Locker Room	Wall		Ceramic Tile	White	Fair	Negative	0	0.02
108	Jail - 1980's Addition	Interior	Unit 5 Men's Locker Room	Sink		Porcelain	White	Fair	Negative	0.01	0.03
109	Jail - 1980's Addition	Interior	Unit 5 Men's Locker Room	Floor		Concrete	Tan	Fair	Negative	0	0.02
110	Jail - 1980's Addition	Interior	Unit 5 Men's Locker Room	Urinal		Porcelain	White	Fair	Negative	0.01	0.03
111	Jail - 1980's Addition	Interior	Unit 5 Men's Locker Room	Toliet		Porcelain	White	Fair	Negative	0.02	0.09
112	Jail - 1980's Addition	Interior	Unit 5 Men's Locker Room	Privacy Wall		CMU	Green	Fair	Negative	0.01	0.04
113	Jail - 1980's Addition	Interior	Unit 5 Men's Locker Room	Privacy Door		Metal	Green	Fair	Negative	0	0.02
114	Jail - 1980's Addition	Interior	Unit 5 Men's Locker Room	Lockers		Metal	Green	Fair	Negative	0.01	0.08
115	Jail - 1990's Addition	Interior	Reshot New Lobby: Men's Bathroom	Wall		Ceramic Tile	Glazed Blue	Fair	Positive	2	0.9

116	Jail - 1990's Addition	Interior	New Lobby: Women's Bathroom	Wall	Ceramic Tile	Glazed Blue	Fair	Positive	1.6	0.5
117	NIST						Fair	Negative	0	0.02
118	NIST						Fair	Negative	0.9	0.1
119	Shutter Calibration						Fair	Negative	0	0.02

QuES&T

Quality Environmental Solutions & Technologies, Inc.

Appendix B: RADIATION, XRF SPECTRUM ANALYZER & PERSONNEL CERTIFICATIONS

United States Environmental Protection Agency

This is to certify that



Quality Environmental Solutions & Technologies, Inc

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint renovation, repair, and painting activities pursuant to 40 CFR Part 745.89

In the Jurisdiction of:

All EPA Administered States, Tribes, and Territories

This certification is valid from the date of issuance and expires December 01, 2021

NAT-119213-2

Certification #

December 01, 2016

Issued On



A handwritten signature in black ink that reads "Michelle Price".

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

December 01, 2016

Lawrence Holzapfel
Quality Environmental Solutions & Technologies, Inc
1376 Route 9
Wappingers Falls, NY 12590

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Dear Lawrence Holzapfel:

Thank you for applying to the U.S. Environmental Protection Agency (EPA) for certification to conduct Renovation, Repair and Painting Activities in target housing and child-occupied facilities. I am pleased to inform you that, pursuant to 40 CFR Part 745, Subpart E, your renovation, repair and painting firm is certified. Your certificate is enclosed.

This certification **expires on December 01, 2021 and is valid in All EPA Administered States, Tribes, and Territories**. However, if a State in which you are certified obtains program authorization during the term of this certification, the scope of your certification will be diminished to exclude the affected area.

Your EPA firm certification is subject to the following restrictions:

- 1) Individual states and Indian tribes, whether authorized or not, are not required to accept EPA certification and may accept or reject it under its own authority. Please be aware that your EPA certification does not relieve you of any obligations you may have to any State or Indian tribe regarding renovation, repair and painting activities.
- 2) EPA certification is specific and limited as described above. If you wish to obtain certification in other lead-based paint disciplines, you must apply separately.
- 3) In advertising the EPA certification, firms must indicate clearly that the firm is certified only for purposes of Section 402 of TSCA. Failure to accurately state EPA certification conditions could result in EPA suspending or withdrawing certification.
- 4) EPA may conduct audits and/or inspections to ensure continued compliance with regulatory standards, and may revoke or suspend its certification if subsequent alterations or deviations result with the firm no longer meeting the standards found at 40 CFR Part 745, Subpart E.

If you have questions about the renovation, repair and painting rule or need assistance, please contact the Regional Lead Coordinator, Vickie Pane, of the EPA Region 2 staff at 732-321-6671. If you have any questions about your firm certification, please contact the National Lead Information Center at 1-800-424-LEAD and refer to **Application ID number C506794**. Congratulations, and thank you for your interest in being a certified renovation, repair and painting firm.

Sincerely,

A handwritten signature in black ink that reads "Michelle Price".

Michelle Price, Chief
Lead, Heavy Metals, and Inorganics Branch

Enclosures

United States Environmental Protection Agency

This is to certify that

Quality Environmental Solutions & Technologies, Inc

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires December 15, 2019

LBP-119213-1

Certification #

December 01, 2016

Issued On



A handwritten signature in black ink that reads "Michelle Price".

Michelle Price, Chief

Lead, Heavy Metals, and Inorganics Branch



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

December 01, 2016

Lawrence Holzapfel
Quality Environmental Solutions & Technologies, Inc
1376 Route 9
Wappingers Falls, NY 12590

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Dear Lawrence Holzapfel:

Thank you for applying to the U.S. Environmental Protection Agency (EPA) for certification to conduct Lead-based Paint Activities in target housing and child-occupied facilities. I am pleased to inform you that, pursuant to 40 CFR Part 745, Subpart L, your lead-based paint activities firm is certified. Your certificate is enclosed.

This certification **expires on December 15, 2019 and is valid in All EPA Administered States, Tribes, and Territories**. However, if a State in which you are certified obtains program authorization during the term of this certification, the scope of your certification will be diminished to exclude the affected area.

Your EPA firm certification is subject to the following restrictions:

- 1) Individual states and Indian tribes, whether authorized or not, are not required to accept EPA certification and may accept or reject it under its own authority. Please be aware that your EPA certification does not relieve you of any obligations you may have to any State or Indian tribe regarding lead-based paint activities.
- 2) EPA certification is specific and limited as described above. If you wish to obtain certification in other lead-based paint disciplines, you must apply separately.
- 3) In advertising the EPA certification, firms must indicate clearly that the firm is certified only for purposes of Section 402 of TSCA. Failure to accurately state EPA certification conditions could result in EPA suspending or withdrawing certification.
- 4) EPA may conduct audits and/or inspections to ensure continued compliance with regulatory standards, and may revoke or suspend its certification if subsequent alterations or deviations result with the firm no longer meeting the standards found at 40 CFR Part 745, Subpart L.

If you have questions about the lead-based paint activities rule or need assistance, please contact the Regional Lead Coordinator, Vickie Pane, of the EPA Region 2 staff at 732-321-6671. If you have any questions about your firm certification, please contact the National Lead Information Center at 1-800-424-LEAD and refer to **Application ID number C506794**. Congratulations, and thank you for your interest in being a certified abatement firm.

Sincerely,

A handwritten signature in black ink that reads "Michelle Price".

Michelle Price, Chief
Lead, Heavy Metals, and Inorganics Branch

Enclosures

United States Environmental Protection Agency

This is to certify that



Louis N Johnson III

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Inspector

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires March 31, 2021

LBP-I-1151914-1

Certification #

December 23, 2016

Issued On

A handwritten signature in black ink, appearing to read "John Gorman". The signature is fluid and cursive.

John Gorman, Chief

Pesticides & Toxic Substances Branch



United States Environmental Protection Agency

This is to certify that

Louis N Johnson III

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor



In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires March 31, 2021

LBP-R-I151914-1

Certification #

December 23, 2016

Issued On



A handwritten signature in black ink, appearing to read "John Gorman".

John Gorman, Chief

Pesticides & Toxic Substances Branch

United States Environmental Protection Agency

This is to certify that

Louis N Johnson III



has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Inspector

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires March 31, 2018

NY-I-1151914-1

Certification #

March 17, 2015

Issued On



A handwritten signature in black ink, appearing to read "John Gorman".

John Gorman, Chief

Pesticides & Toxic Substances Branch

United States Environmental Protection Agency

This is to certify that

Louis N Johnson III



has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Risk Assessor

In the Jurisdiction of:

New York

This certification is valid from the date of issuance and expires March 31, 2018

NY-R-1151914-1

Certification #

March 17, 2015

Issued On



A handwritten signature in black ink, appearing to read "John Gorman".

John Gorman, Chief

Pesticides & Toxic Substances Branch



This PERMIT has been issued in accordance with N.J.A.C. 8:22. You MUST have this PERMIT with you any time you are performing work for which it is required. Failure to carry this PERMIT or altering or falsifying this PERMIT may result in a civil administrative PENALTY of up to \$1,000 per day for the first offense and up to \$5,000/day for each subsequent offense. Each day shall constitute an additional and separate offense.

To report a lost or stolen PERMIT, defects to a PERMIT, or to find out how to renew a PERMIT, contact the NJ DOH (see below).

E-mail: lep.program@doh.nj.gov Telephone: 609-826-4950
 Web: www.state.nj.us/health/eohap Fax: 609-826-4975

Address: NJ DOH, CEOHS, EOHAP
 PO Box 372, Trenton, NJ 08625-0372

If this PERMIT is found abandoned, please send to the above address

<u>Issued By</u>	<u>Card Number</u>	<u>Issue Date</u>
DLA	031838 1	12/27/2016

Radiation Safety and Operation of Niton XRF Analyzers

This is to certify that

Louis Johnson

has successfully completed the one day Thermo Fisher Scientific Niton Analyzer Manufacturer's Training Course. The topics of this course include radiation safety, monitoring, device operation, and machine maintenance of the Niton XRF Analyzer.

(CIH's – The ABIH Awards 1 CM point, approval # 08-354)

Course date: 2009 Feb 12
Location: East Elmhurst, NY
Certificate Number: 13:030033000000Ta6Wu



Handwritten signature of Sophie Ung.

Sophie Ung
Radiation Safety Training Coordinator

Handwritten signature of James Blute.

James Blute, CHP
Manager of Health and Safety

Certificate of Completion

This is to certify that

Louis Johnson+III

Has completed the

Radiation Safety for X-ray Tube Based Instruments

Online training course

On

3/10/2017



Supervisor signature



Erin Poitras, RSO Thermo Fisher Scientific
Portable Analytical Instruments



Certificate of Completion

This is to certify that

Louis Johnson+III

Has completed the

Transport of Radioactive Sealed Sources in XRF Analyzers

Online training course

On

3/10/2017



Supervisor signature



Erin Poitras, RSO Thermo Fisher Scientific
Portable Analytical Instruments



Certificate of Completion

This is to certify that

Louis Johnson+III

Has completed the
Transport of Li Ion Batteries
Online training course

On

3/10/2017



Supervisor signature



Erin Poitras, RSO Thermo Fisher Scientific
Portable Analytical Instruments



Certificate of Completion

This is to certify that

Louis Johnson+III

Has completed the

Sealed Source XRF - Radiation Safety

Online training course

On

3/10/2017



Supervisor signature



Erin Poitras, RSO Thermo Fisher Scientific
Portable Analytical Instruments



Certificate of Completion

This is to certify that

Louis Johnson+III

Has completed

US Regulations for Handheld XRF Analyzers with Radioactive Sealed Sources

3/10/2017



Supervisor signature



Erin Poitras, RSO Thermo Fisher Scientific
Portable Analytical Instruments



Certificate of Completion

This is to certify that

Louis Johnson III

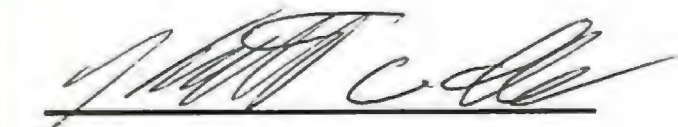
Has completed the

Transport of Radioactive Sealed Sources in XRF Analyzers

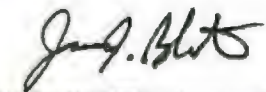
Online training course

On

10/13/2015



Supervisor signature



Jim Blute, RSO Thermo Fisher Scientific
Portable Analytical Instruments



Certificate of Completion

This is to certify that

Louis Johnson III

Has completed the

Radiation Safety for X-ray Tube Based Instruments

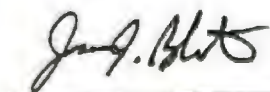
Online training course

On

10/13/2015



Supervisor signature



Jim Blute, RSO Thermo Fisher Scientific
Portable Analytical Instruments



Certificate of Completion

This is to certify that

Louis Johnson III

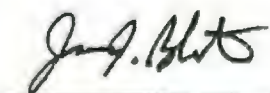
Has completed the
Transport of Li Ion Batteries
Online training course

On

1/12/2016



Supervisor signature



Jim Blute, RSO Thermo Fisher Scientific
Portable Analytical Instruments



Certificate of Completion

This is to certify that

Louis Johnson III

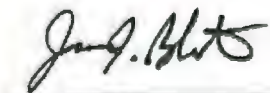
Has completed the
Sealed Source XRF - Radiation Safety
Online training course

On

1/12/2016



Supervisor signature



Jim Blute, RSO Thermo Fisher Scientific
Portable Analytical Instruments



Certificate of Completion

This is to certify that

Louis Johnson III

Has completed

US Regulations for Handheld XRF Analyzers with Radioactive Sealed Sources

1/13/2016



Supervisor signature



Jim Blute, RSO Thermo Fisher Scientific
Portable Analytical Instruments



SECTION 024119.16 - SELECTIVE INTERIOR DEMOLITION

PART 1 GENERAL

1.1 GENERAL REQUIREMENTS

- A. Work of this Section, as shown or specified, shall be in accordance with the requirements of the Contract Documents.

1.2 SECTION INCLUDES

- A. The Work of this Section includes all labor, materials, equipment and services necessary to complete the selective demolition and alteration work as shown on the drawings and/or specified herein, including but not limited to the following:
 - 1. Alterations, selective demolition and removals as noted on drawings and as required to accommodate new construction.
 - 2. Removal of debris.
 - 3. Protection of existing building and spaces to remain and shoring of the structure as required for structural integrity and personal safety.
 - 4. Protection of existing curbs and sidewalks.
 - 5. Temporary coverage passageways.
 - 6. Alterations, selective demolition and removals of exterior façade where noted.
 - 7. Patching and refinishing of existing surfaces damaged as a result of this work.

1.3 QUALITY ASSURANCE

- A. The Contractor shall comply with the requirements of all applicable Federal, State and local safety and health regulations regarding the demolition of structures including ANSI/NFPD 241-Building Construction and Demolition Operations.
- B. The Contractor shall be responsible for any damage to any adjacent structures or buildings to remain.
- C. Qualifications: Qualifications of Contractor for work of this Section shall not be less than ten (10) years of field experience in work of this nature.
- D. Professional Engineering: The Contractor shall retain the services of a Professional Engineer licensed in the State of New York, who shall design and supervise installation of all underpinning and shoring.

1.4 RELATED SECTIONS

- A. Alteration and removal requirements for mechanical, electrical, and plumbing work – Mechanical, Electrical, and Plumbing Sections.

1.5 SUBMITTALS

- A. Schedule of Demolition Operations: Submit demolition procedures and operational sequence for Architect's review prior to start of work. Submit a written request to Architect well in advance of executing any cutting or alteration which affects:

1. The work of tying in or connecting to operational systems of the building, including electrical, mechanical and security systems.
 2. The work of the Owner or any separate Contractor.
 3. The structural value or integrity of any element of the project or of adjacent structures.
 4. The integrity or effectiveness of weather-exposed and moisture-resistant elements or systems.
 5. The efficiency, operational life, maintenance, or safety of operational elements or systems.
- B. Notice of Differing Conditions: Submit a written notification if, during the work of demolition and cutting, conditions are discovered which significantly vary from those shown on the drawings. Do not commence work until approval of Architect.
- C. Shop Drawings: Submit the following prior to starting work:
1. Submit for Architect's information shop drawings indicating location and typical construction details of temporary dustproof and weatherproof partitions.
 2. Submit drawings of temporary structural shoring, bracing, framing or support, for the information of the Architect. Such drawings will be reviewed by the Structural Engineer for the effects of such temporary members on the structural elements to remain. These drawings shall include the reason for such temporary members, the location, the direction and magnitude of design reaction forces on existing structure, and details showing how these reaction forces will be applied to the existing structure.
 - a. Shop drawings shall be submitted with the Seal of the Professional Engineer engaged by Contractor; Professional Engineer must be licensed in the State of New York.
 - b. The Architect will receive acknowledgment for concepts shown. Such acknowledgments shall be of the concept only and not of actual capacities or structural design and shall not in any way diminish or limit the Contractor's responsibility for the quality and performance of the work and for protecting existing structures and facilities.

1.6 SPECIAL PRECAUTION

- A. Hazardous materials may be encountered during demolition operations including asbestos; comply with applicable regulations, laws, and ordinances concerning removal, handling, and protection against exposure or environmental pollution.

1.7 JOB CONDITIONS

A. Condition of Structure

1. The Contractor for the work of this Section shall be held to have visited the site, examined the premises, determined for himself the existing conditions, character of equipment and facilities needed for the performance of the work, and all matters which may in any way affect the work before submitting a bid.
 - a. Information regarding existing construction or conditions is based on available record drawings which may or may not truly reflect existing conditions. Such information is included on the assumption that it may be of interest to the Contractor, but the Architect, Owner and their consultants do not assume responsibility for its accuracy or completeness.
 - b. Notify the Architect if, during the course of demolition, conditions are discovered which significantly vary from those shown on the drawings. Do not proceed until authorized by Architect.

2. The Contractor shall accept the condition of the site and structures as found. The Architect and Owner assume no responsibility for condition of site or structures nor the continuation of the condition existing at time of bidding or thereafter.

B. Areas of building to be demolished or altered will be vacated and discontinued in use prior to the start of the work.

1. Surrounding areas of the building shall remain operational by the Owner.

C. Partial Removal

1. Items of savable value to the Contractor may be removed from the structure as the work progresses. Salvaged items must be transported from the site as they are removed.

2. Storage or sale of removed items on the site will not be permitted.

D. Explosives: The use of explosives will not be permitted.

E. Traffic

1. Conduct demolition operations and the removal of debris to ensure minimum interference with roads, streets, walks and other adjacent occupied or used facilities.

2. Do not close or obstruct streets, walks or other occupied or used facilities without permission from authorities having jurisdiction. Provide alternate routes around closed or obstructed traffic ways if required by governing regulations.

F. Utilities

1. Refer to Division 22 and 26 of the specifications for special requirements concerning utilities and services.

2. Refer to Civil contract drawings for requirements concerning utilities and services.

3. Maintain any existing utilities required to remain; keep in service and protect against damage during demolition operations.

4. Do not interrupt existing utilities serving occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities, as acceptable to the governing authorities.

5. Disconnect and seal any abandoned utilities before starting demolition operations. Coordinate all work with local utility companies having jurisdiction.

1.8 SCHEDULING

A. Before commencing any alteration or demolition work, submit for review by the Architect, and approval of the Owner, a schedule showing the commencement, the order, and the completion dates for the various parts of this work.

B. Before starting any work relating to existing utilities (electrical, sewer, water, heat, gas, fire lines, etc.) that will temporarily discontinue or disrupt service to the structures to remain, notify the Architect and the Owner 7 days in advance and obtain the Owner's approval in writing before proceeding with this phase of the work.

PART 2 PRODUCTS

Refer to Part 3 - Execution, for Product Requirements
SELECTIVE INTERIOR DEMOLITION

PART 3 EXECUTION

3.1 PROTECTION

- A. Take full precautions to protect workmen, passersby or any other persons from falling debris and other hazards of demolition operations.
- B. Execute demolition work to ensure protection of existing portions of building to remain against damages which might occur from falling debris or other cause. Do not interfere with use of adjacent occupied buildings and areas. Maintain free, safe passage to and from occupied adjacent buildings.
- C. Materials Placement: Do not load structure with weight that will endanger, overload, or cause excessive deflection of the existing structure, or that will damage finished surfaces adjacent to and/or supported by the existing structure, except portions being removed.
- D. Construction Operations: Do not employ any construction operation, equipment or vehicles that will endanger, overload, or cause excessive deflection of the existing structure, or that will damage finished surfaces adjacent to and/or supported by the existing structure, except portions being removed.
- E. Take precautions to guard against movement, settlement, damage, or collapse of any part of building, sidewalks, adjacent property, or street passages; be liable for any such movement, settlement or collapse. If such damage does accidentally occur, Contractor shall repair promptly at no cost to Owner.
- F. Provide the necessary safeguards to prevent accidents, to avoid all necessary hazards and protect the public, the work and property at all times, including Saturdays, Sundays, and holidays.
- G. Be responsible for any and all damages which may arise or occur to any party whatsoever by reason of the neglect in providing proper lights, guards, barriers, or any other safeguards to prevent damage to property, life and limb.
- H. Make such explorations and probes as are necessary to ascertain any required protective measures before proceeding with demolition and removal. Give particular attention to shoring and bracing requirements so as to prevent any damage to existing construction.
 - 1. Provide interior and exterior shoring, bracing, or support to prevent movement or settlement or collapse of structures to be demolished and adjacent facilities to remain. The Contractor's Professional Engineer shall advise on bracing, shoring, underpinning, or other structural requirements. The Contractor shall bear all responsibility for prevention of movement or other structural fault.
 - 2. The Contractor shall restore, by repair or otherwise, the portions of structure or their contents altered by the Contractor in furtherance of his underpinning and support operations. Restoration shall be completed to the conditions which existed prior to the start of the work. Any damage caused by inadequate support shall also be restored by the Contractor at no cost to the Owner.
- I. Provide, erect, and maintain catch platforms, lights, barriers, weather protection, warning signs, and other items as required for proper protection of the workmen engaged in demolition and alteration operations, occupants of the building, public and adjacent property. Any damage caused by the Contractor's operations shall be promptly repaired by the Contractor at no cost to the Owner.
- J. Provide and maintain temporary protection of the existing structure designated to remain where demolition, removal, and new work are being done, connections made, materials handled, or equipment moved.
- K. Take necessary precautions to prevent dust and dirt from rising. Protect unaltered portions of the existing building affected by the operations under this Section by dustproof partitions and other adequate means.

- L. Provide adequate fire protection in accordance with local Fire Department requirements.
- M. Do not close or obstruct walkways, passageways, or stairways. Do not store or place materials in passageways, stairs, or other means of egress. Conduct operations with minimum traffic interference.
- N. Be responsible for any damage to the existing structure or contents by reason of the insufficiency of protection provided.
- O. Erect temporary covered passageways at street level as required by authorities having jurisdiction.
- P. Promptly repair damages caused to adjacent facilities by demolition operations at no cost to the Owner.
- Q. Provide and maintain weather protection at exterior openings so as to fully protect the interior premises against damage from the elements until such openings are closed by new construction.

3.2 INSPECTION

- A. Verify that areas of demolition work are protected, and temporary dustproof partitions have been installed.
- B. Verify that construction to be removed is not load bearing or has been properly braced, framed, or supported.
- C. Inspect existing conditions of the project, including elements subject to damage or to movement during demolition and cutting.
- D. After uncovering work, inspect the conditions affecting the installation or performance of the work.
 - 1. Report differing or questionable conditions to the Architect in writing; do not proceed with the work until the Architect has provided further instructions.

3.3 PREPARATION

- A. Provide adequate temporary support as necessary to assure the structural value or integrity of the affected portion of the work.
- B. Provide devices and methods to protect other portions of the project from damage.
- C. Pollution Controls
 - 1. Use water sprinkling, temporary enclosures, and other suitable methods to limit the amount of dust and dirt rising and scattering in the air to the lowest practical level. Comply with governing regulations pertaining to environmental protection.
 - a. Do not use water when it may create hazardous or objectionable conditions such as ice, flooding, and pollution.
 - 2. Clean adjacent structures and improvements of dust, dirt and debris caused by demolition operations. Return adjacent areas to condition existing prior to the start of the work.
 - 3. Provide drainage for temporary water use.

3.4 DEMOLITION AND CUTTING

- A. Selectively demolish existing construction in conformance with the drawings and these specifications.
 - 1. Execute cutting and demolition by methods which will prevent damage to other work and will provide proper surface to receive installation of work by others and patching of finish surfaces.

2. Do all cutting or removal so as to leave neat, true, plumb and square edges, at edges to remain. Use carborundum or diamond saw equipment for cutting masonry, concrete and stone work, where edges or surfaces are to remain.
3. Do not cut or remove construction which might weaken or impair the structural integrity or strength of the structural framing or support systems which are to remain.
4. Demolish and remove materials as shown on the drawings without damage to the remaining parts of the structure or mechanical/electrical/utility systems.
5. Remove materials so as to not impose excessive loads in supporting walls, floors or framing and so as not to damage remaining undemolished portions of the structure.
6. Where portions of structures are to be removed, remaining portions shall be protected from damage and prepared to fit new construction. Damage to portions of structures to remain shall be repaired.
7. Reinforcing steel in existing structures shall be left in place, cleaned, and aligned to provide tie with new work.
8. Existing waterproofing systems and flashings shall be carefully exposed and protected to maintain workable conditions of fitting new work with existing construction.
9. Proceed with demolition in a systematic manner.
10. Demolish concrete and masonry in small sections.
11. Remove structural framing members and lower to ground by means of hoists, derricks, or other suitable methods.

B. Shoring

1. Design, provide, erect, and maintain necessary temporary shoring, bracing, framing, or support where load bearing structural or supporting members are removed or weakened by cuts or openings or are subject to damage from demolition operations, and otherwise as required for safety or to protect finish surfaces from damage.
2. Construction and adequacy of the shoring shall be the entire responsibility of the Contractor. Any damage caused by the inadequacy of the shoring or other support shall be the responsibility of the Contractor to remedy at no additional expense to the Owner.
3. Shoring and bracing shall remain until new structural framing and/or supports are installed. Coordinate operations fully with other trades.
4. Be ready at any time to promptly provide, add to, or strengthen temporary shoring, bracing, or support for existing work, in case existing construction begins to show signs of structural stress.

3.5 WORKMANSHIP STANDARDS FOR ALTERATION AND REMOVAL WORK

- A. Cut, remove, alter, temporarily remove, and replace, or relocate existing work as required for performance of the work. Perform such work required with due care, including shoring and bracing.
- B. Coordinate patching involving the various trades whether or not specifically mentioned in the respective specification Sections.
- C. Materials or items demolished and not designated to become the property of the Owner or to be reinstalled shall become the property of the Contractor and shall be removed from the Owner's property.

- D. Execute the work in a careful and orderly manner, with the least possible disturbance to the public and to the occupants of the adjacent buildings.
- E. In general, demolish masonry in small sections. Where necessary to prevent collapse of any construction, install temporary shores, struts, or bracing.
- F. Materials to be removed by existing elevators shall be put in enclosed containers.
- G. Where existing equipment and/or fixtures are indicated to be reused, repair such equipment and/or fixtures and refinish to put in perfect working order. Refinish as directed.
- H. Cut out embedded anchorage and attachment items as required to properly provide for patching and repair of the respective finishes.
- I. Confine cutting of existing roof areas designated to remain to the limits required for the proper installation of the new work. Cut and fold back existing roofing. Cut and remove insulation and related items. Provide temporary weathertight protection as required until new roofing and flashings are installed. Consult the Owner to ascertain if existing guarantee bonds are in force and execute the work so as not to invalidate such bonds.
- J. Where utilities are removed, relocated, or abandoned, cap, valve, plug, or by-pass to make complete and working installation.
- K. Restore existing pipe and duct coverings damaged by work under this Contract to original undamaged condition.
- L. Immediately restore to service and repair any damage caused by Contractor's workmen to existing pipe and conduits, wires, cables, etc., of utility services or of fire protection systems and communications systems which are not scheduled for discontinuance or abandonment.
- M. Upon completion of contract, deliver work complete. Damage that may be caused by Contractor or Contractor's workmen to existing structures designated to remain, grounds, and utilities shall be repaired by Contractor and left in as good condition as existed prior to damaging.
- N. Restore finish work of floors, walls, and ceilings remaining in place but damaged or defaced because of demolition or alteration work to condition equal that which existed at beginning of work under this Contract.
- O. Where alteration or removals expose damaged or unfinished surfaces or materials, refinish such surfaces or materials, or remove them and provide new or salvaged materials to make continuous surfaces uniform.
- P. Perform new work and restore and refinish existing work in conformance with applicable requirements of the specifications, except as follows:
 - 1. Materials for use in repair of existing surfaces, but not otherwise specified, shall conform to the highest standards of the trade involved, and be in accordance with approved industry standards, and shall be as required to match existing surfaces.
 - 2. Workmanship for repair of existing materials shall, unless otherwise specified, be equal to similar workmanship existing in or adjacent to the space where the work is being done.
 - 3. Installation of salvaged items where no similar items exist shall be done in accordance with the highest standards of the trade involved and in accordance with approved shop drawings.
- Q. Materials or items designated to become the property of the Owner shall be as shown on the drawings. Remove such items with care and store them in a location at the site to be designated by the Owner.

- R. Materials or items designated to be reinstalled shall be as shown on the drawings. Remove such items with care under the supervision of the trade responsible for reinstallation; protect and store until required. Replace materials or items damaged in their removal with similar new material.
- S. The existing building shall not be used as a workshop. Neither shall the furnishings or equipment in any room be used as work benches. Should any damage occur during the progress of the work to any furniture, fixtures, equipment, or appurtenances therein, such damage shall be repaired, replaced, or made good by the Contractor without extra cost to the Owner.
- T. Where removing existing floor finish and base, remove all adhesive and leave floors and walls smooth and flush, ready to receive new finish.
- U. Finish new and adjacent existing surfaces as specified for new work. Clean existing surfaces of dirt, grease, and loose paint before refinishing.

3.6 DISPOSAL OF DEMOLISHED MATERIALS

- A. General
 - 1. Remove from the site debris, rubbish and other materials resulting from work of this Section.
 - 2. Burning of removed materials from demolished structures will not be permitted on the site.
- B. Removal: Transport materials removed from demolished structures and legally dispose of off site. Pay any and all fees associated with disposal work. Leave the site in an orderly condition to the approval of the Architect.

3.7 CLEANING UP

- A. Remove debris as the work progresses. Maintain existing premises in a neat and clean condition.

END OF SECTION 024119.16

ABBREVIATIONS

Table of abbreviations for construction terms, including AC (Acoustical), AD (Area Drain), AGG (Aggregate), AL (Aluminum), AL-PNL (Aluminum Panel), ALT (Alternate), AP (Access Panel), APX (Approximately), ARCH (Architectural), ASC (Above Suspended Ceiling), ASPH (Asphaltic), AT-1 (Acoustical Ceiling Type 1), AT-2 (Acoustical Ceiling Type 2), A/V (Audio/Visual), AUT (Automatic), BC (Bottom of Curb), BD (Board), BEL (Below), BETW (Between), BLD (Building), BLK (Block), BLKG (Blocking), BM (Beam), BOT (Bottom), BRL (Bearing Plate), BRG (Bearing), BSM (Both Sides), BUR (Built Up Roofing), BW (Both Ways), CAB (Cabinet), CAF (Computer Access Floor), CAR (Carpet), CB (Catch Basin), CEM (Cement), CER (Ceramic (Applied Base)), CG (Corner Guard), CH (Ceiling Height), CI (Cast Iron), CJ (Control Joint), CK (Caulk), CLC (Ceiling), CLL (Contract Limit Line), CLO (Closet), CLF (Clearance), CLS (Closure), CMT (Ceramic Mosaic Tile), CMU (Concrete Masonry Unit), COL (Column), COLC (Colored Concrete), CONN (Connection), CONST (Construction), CONT (Continuous), CONTR (Contractor), COMP (Compress(ion)), CPS (Ceramic Tile), CT (Counter), CTR (Countersink), DBL (Double), DEP (Depressed), DET (Detail), DEM (Demolished, Demolition), DF (Drinking Fountain), DIAG (Diagonal), DIA (Diameter), DIM (Dimension), DIS (Dispenser), DMT (Demountable), DN (Down), DO (Door Opening), DP (Drip), DPR (Dampening), DPM (Demountable Metal Partition System), DR (Door), OS (Over-spray), DSP (Dry Stodpipe), DW (Dumbwaiter), DWG (Drawing), DWR (Drawer), E (East), EA (Each), EB (Expansion Bolt), EC (Empty Canister), EF (Each Face), EJ (Expansion Joint), EL (Elevation), ELEC (Electrical), ELEV (Elevator), EMER (Emergency), ENCL (Enclosure), ENT (Entrance), EP (Electrical Panelboard), EPOXY (Epoxy Industrial Flooring), EQ (Equipment), ERP (Epoxy Resinous Flooring), ESC (Escalator), EU (Exit Units), EWC (Electric Water Cooler), EXG (Existing), EXH (Exhaust), EXP (Expansion), EXPO (Exposed), EXT (Exterior), FA (Fire Alarm), FB (Face Brick), FRO (Furnished by Others), FD (Floor Drain), FE (Fire Extinguisher), FEC (Fire Extinguisher Cabinet), FF (Factory Finish), FFE (Finish Floor Elevation), FFL (Finish Floor Line), FGL (Fiberglass), FIN (Finish), FHC (Fire Hose Cabinet), FHS (Fire Hose Station), FLG (Flashing), FLUOR (Fluorescent), FLX (Flexible), FND (Foundation), FOB (Face of Building), GA (Gage), GALV (Galvanized), GCB (Grouted Concrete Block), GD (Grate, Grading), GF (Ground Face), GL (Glass, Glazing), GCB (Grouted Concrete Block), GND (Ground), GR (Grate), GT (Grout), GYP (Gypsum), GWB (Gypsum Wallboard), GWT (Glazed Wall Tile), HB (Hose Bidd), HC (Hollow Core), HD (Handicapped), HDR (Header), HDW (Hardware), HM (Hollow Metal), HOR (Horizontal), HP (High Point), HR (Hinge), HT (Height), HTC (Heating), HVAC (Heating, Ventilation & AirConditioning), HW (Hot Water Heater), ID (Inside Diameter), INCL (Include), INSUL (Insulate), INT (Interior), INV (Invert), JAN (Janitor), JC (Janitor's Closet), JI (Joint), KIT (Kitchen), KO (Knockout), L (Length), LAB (Laboratory), LAD (Ladder), LAM (Laminate), LAV (Lavatory), LBL (Label), LH (Left Hand), LP (Low Point), LT (Light), LWR (Lower), LW (Lightweight), MACH (Machine), MASON (Masonry), MAX (Maximum), MED (Medicine Cabinet), MECH (Mechanical), MED (Medium), MEJ (Mechanical Expansion Joint), MER (Mechanical Equipment Room), MEMB (Membrane), MET (Metal), MFR (Manufacturer), MH (Manhole), MIN (Minimum), MIR (Mirror), MSC (Miscellaneous), MLD (Molding), MO (Masonry Opening), MOD (Modular), MRB (Marble), MTD (Mount(ing)), MUL (Mullion), N (North), NIC (Not In Contract), NO (Number), NOM (Nominal), NTS (Not To Scale), OA (Overall), OBS (Obscure), OC (On Center), OFF (Office), OH (Overhead), OPR (Opening), OPH (Opposite Hand), OPP (Opposite), PAR (Parallel), PRR (Partial Closure), PB (Pane Bar), PRCST (Precast), PFD (Pedestal), PFC (Plastic Faced CMU), PFR (Prefinished), PL (Plate), PLAM (Plastic Laminate), PLAS (Plaster), PLB (Plumbing), PNL (Panel), PPR (Preformed), PRD (Product), PROJ (Projection), PTD (Painted), PIN (Paper Towel Receptacle), PV (Pave(ment)), PVC (Polyvinyl Chloride), PWT (Pavement), PWD (Plywood), QT (Quarry Tile), R (Riser), RA (Return Air), RAD (Radius), RD (Roof Drain), REF (Reference), REFR (Refrigerator), REG (Register), REIN (Reinforce), REM (Remove), RES (Resilient), RET (Return), REV (Revision), RFL (Roof Hatch), RHL (Right Hand), RH (Right Hand), RL (Rail), RM (Room), RO (Rough Opening), ROW (Right of Way), RUB (Rubber), RVS (Reverse (side)), RWC (Rain Water Conductor), RWD (Redwood), S (South), SC (Solid Core), SCH (Schedule), SD (Screening), SDN (Soap Dispenser), SEC (Section), SF (Square Foot (feet)), SFG (Structural Glazed Facing Tile), SH (Shelving), SHR (Shower), SHS (Sheet), SHTG (Sheathing), SHO (Shore), SIM (Sighting), SKL (Ski), SLD (Sanitary Napkin Dispenser), SNR (Sanitary Napkin Receptacle), SNT (Sealant), SPC (Soundproof), SPS (Specification), SQR (Square), SRS (Sport Surface Flooring), STA (Station), STL (Stainless Steel), STA (Sound Transmission Classification), STD (Standard), STG (Seating), STE (Steel), STO (Storage), STR (Structure), STR (Surface), SUS (Suspended), SYM (Symmetrical), SYN (Synthetic), SYS (System), T (Trawl), TB (Towel Bar), T&B (Top & Bottom), TECT (Teclum), TEL (Telephone), TEMP (Tempered), T&G (Tongue & Groove), THK (Thickness), THR (Threshold), TP (Top of Pavement), TRD (Toilet Paper Dispenser), TRN (Toilet Partition), TR (Transom), TDS (Top of Slab), TSTL (Top of Sheet), TV (Television), TW (Top of Wall), TYP (Typical), TER (Terrazzo), UC (Undercut), UNF (Unfinished), UNO (Unless Otherwise Noted), UR (Urinal), VB (Vapor Barrier), VCT (Vinyl Composition Tile), VERT (Vertical), VEST (Vestibule), VCR (Vinyl Coated Gyp. Bd. Tile), VINYL (Vinyl), VIB (Vinyl Impregnated Tack Board), VWB (Vinyl Wall Base), VWC (Vinyl Wall Covering), W (West), W/W (With), WC (Water Closet), WD (Wood), WG (Wired Glass), WH (Wall Hung), WI (Window), WM (Wire Mesh), WO (Window Opening), W/O (Without), WP (Waterproofing), WPT (Working Point), WR (Water Resistant), WS (Waterstop), WSCOT (Wainscot), WT (Weight), WTW (Wall to Wall), WWB (Wood Wall Base), WWF (Welded Wire Fabric)

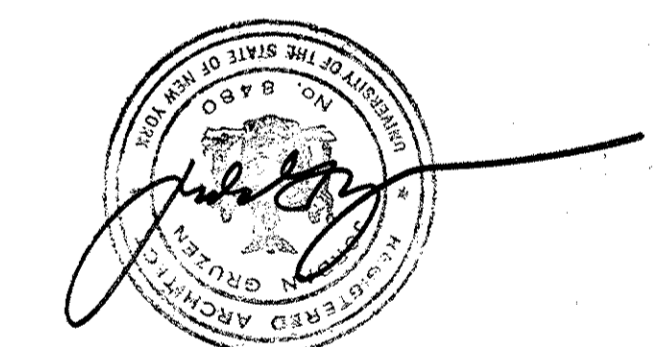
SYMBOLS

Table of symbols for construction drawings, including DETAIL MARKER, SECTION MARKER, DATUM MARK, ROOM ELEVATION, MATCH LINE, WALL TYPE, FLOOR DRAIN, ROOF DRAIN, WINDOW TYPE, LOUVER TYPE, DRAWING REVISION, SPOT ELEVATION OR WORK POINT, RETURN AIR GRILLE, SUPPLY AIR DIFFUSER, FLUORESCENT LIGHT FIXTURE, WALL MOUNTED LIGHT, JUNCTION BOX, DIRECTIONAL EXIT SIGN, SPRINKLER HEAD, CEILING MATERIAL CEILING HT., FIRE HOSE CABINET (ELEVATION), FIRE HOSE CABINET (PLAN), UNDISTURBED EARTH, COMPACTED GRAVEL FILL, CAST IN PLACE CONCRETE, CONCRETE MASONRY UNIT, BRICK, BATT INSULATION, GYPSUM WALL BOARD, RIGID INSULATION, CERAMIC TILE, MARBLE, ARTSTONE, GLASS, METAL, WOOD, WOOD BLOCKING, PLYWOOD LARGE SCALE

Dutchess County Jail

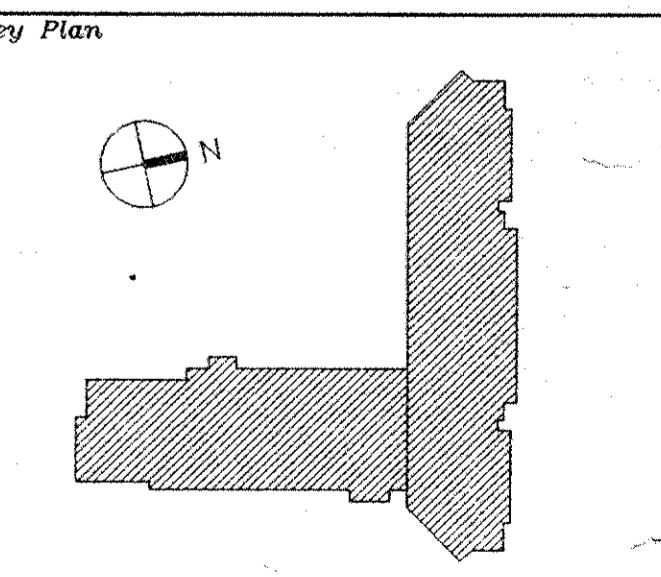
Phase 3 Addition & Renovations
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Revision table with columns: No., Date, Revision.
4 08.05.94 GENERAL REVISIONS
3 04.29.94 BID ISSUE
2 03.31.94 C.M. REVIEW ISSUE
1 03.21.94 NOT ISSUED

Table with columns: No., Date, Revision.
Drawn By RF Date 03.28.94
Checked By RFG Date 03.30.94
Issue Date
Scale



ARCHITECTURAL SYMBOLS & ABBREVIATIONS

CS Project No. 91-1286
RA Project # 99301.00
Drawing No.

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

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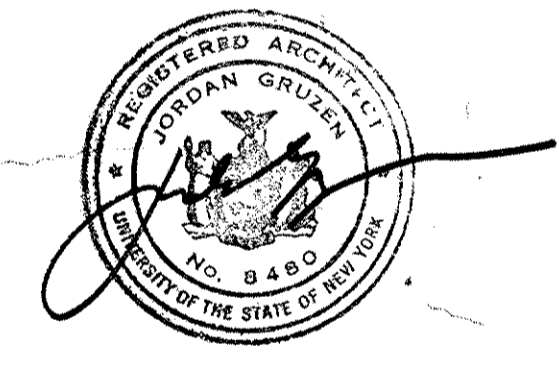
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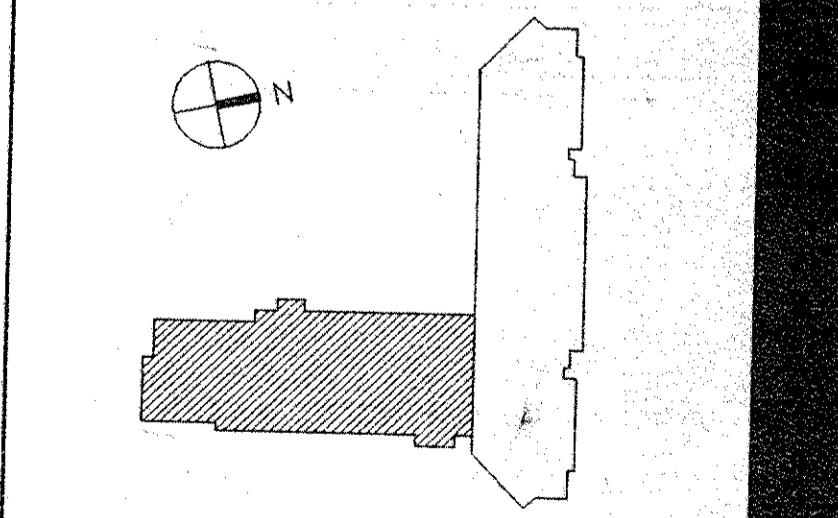
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No.	Date	Revision
6	08.05.94	GENERAL REVISIONS
5	06.22.94	DIMENSIONS ADDED
4	04.29.94	BID ISSUE
3	04.15.94	ADDENDUM 4.1
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

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 Checked By: _____
 Date: _____
 REC: _____
 Issue Date: _____

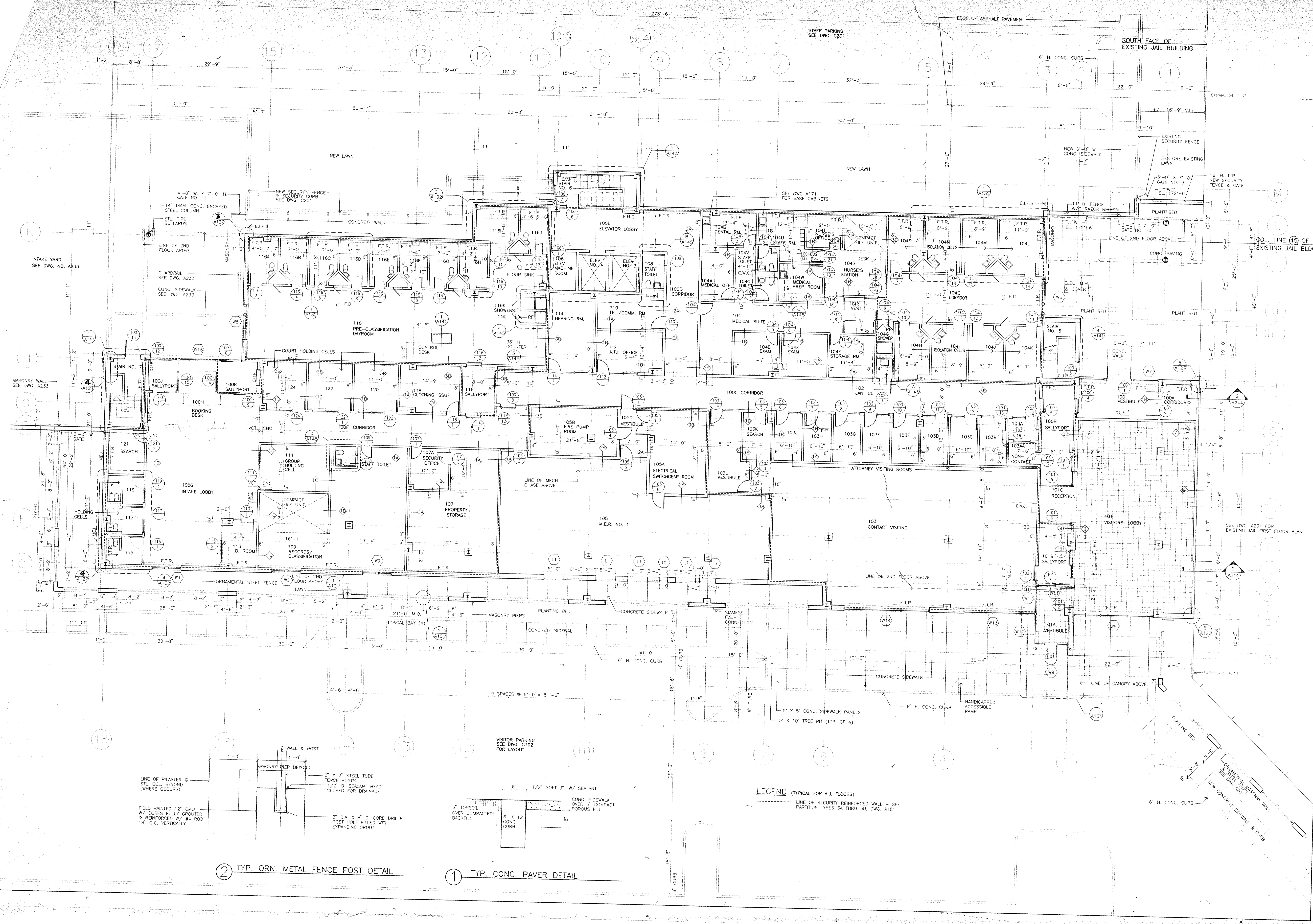
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 Key Plan: _____



Drawing Title
 NEW BUILDING
 FIRST FLOOR
 PLAN

62 Project No. 91-1286
 64 Project # 20091.00
 Drawing No.

A101



② TYP. ORN. METAL FENCE POST DETAIL

① TYP. CONC. PAVER DETAIL

LEGEND (TYPICAL FOR ALL FLOORS)
 --- LINE OF SECURITY REINFORCED WALL - SEE PARTITION TYPES 3A THRU 3D, DWG A181

Dutchess County Jail
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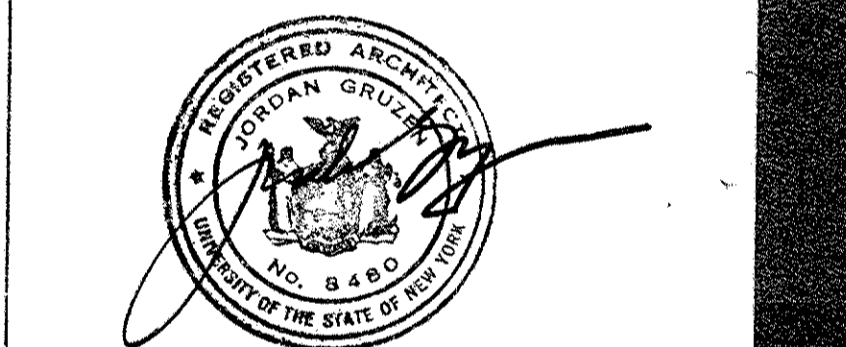
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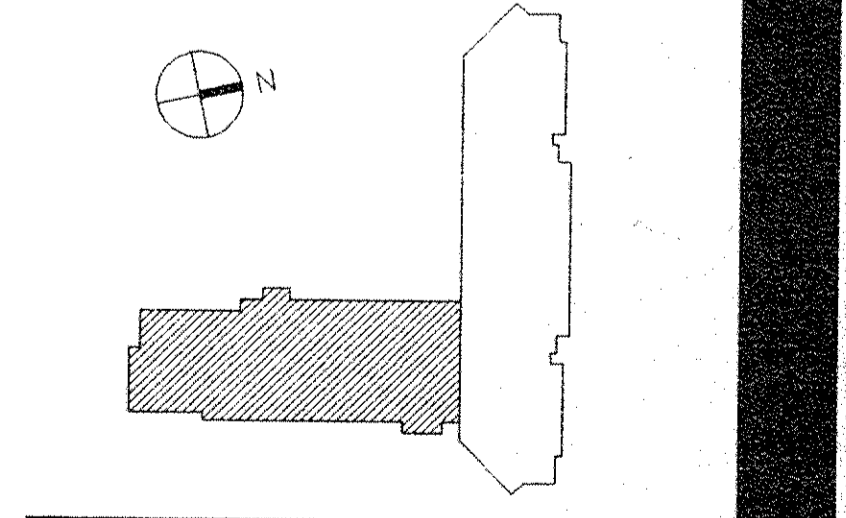
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No.	Date	Revision
7	09.09.94	ADDENDUM 9.2
6	08.29.94	WINDOW DIM. ADDED
5	08.05.94	GENERAL REVISIONS
4	04.29.94	BID ISSUE
3	04.15.94	ADDENDUM 4.1
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

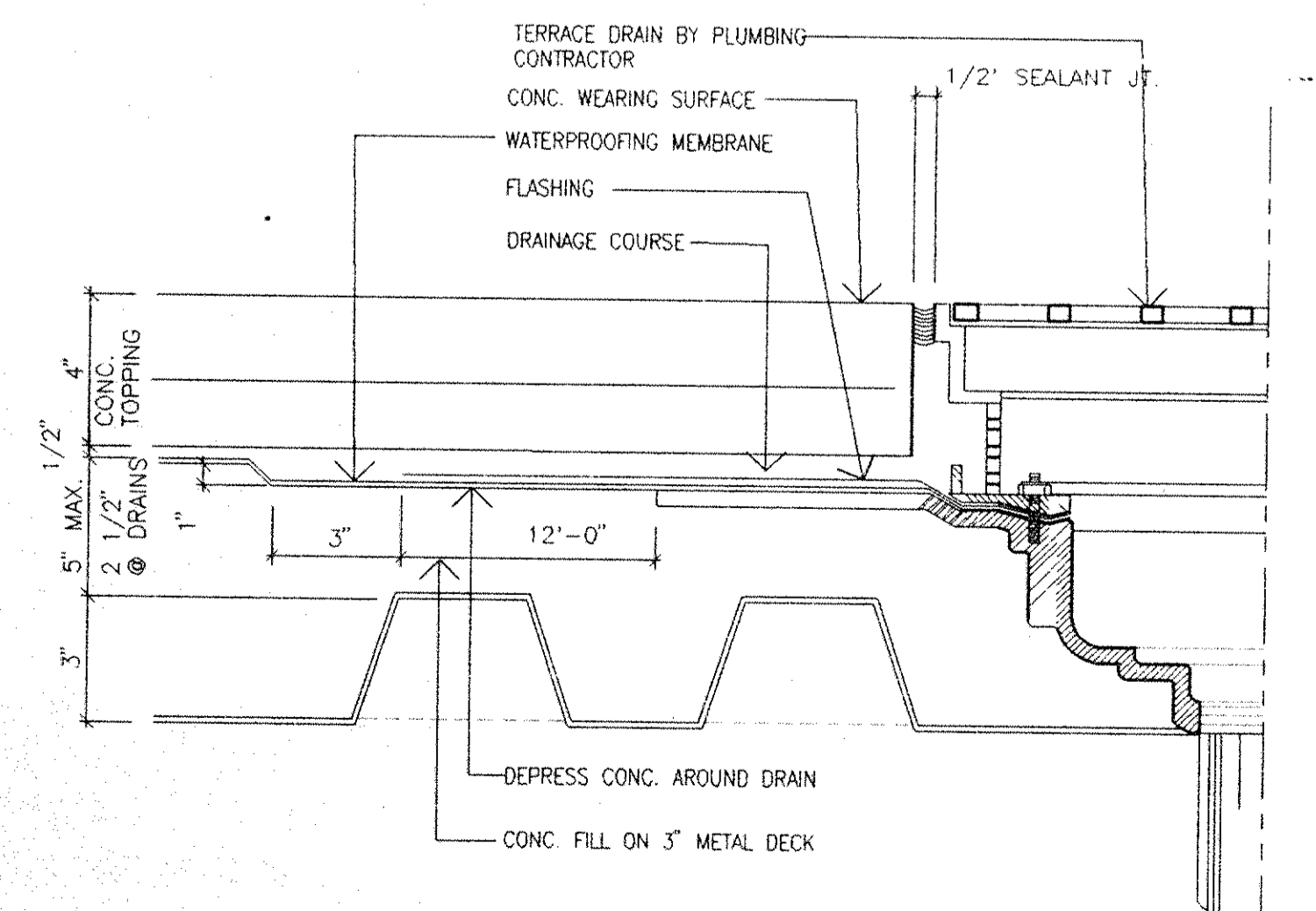
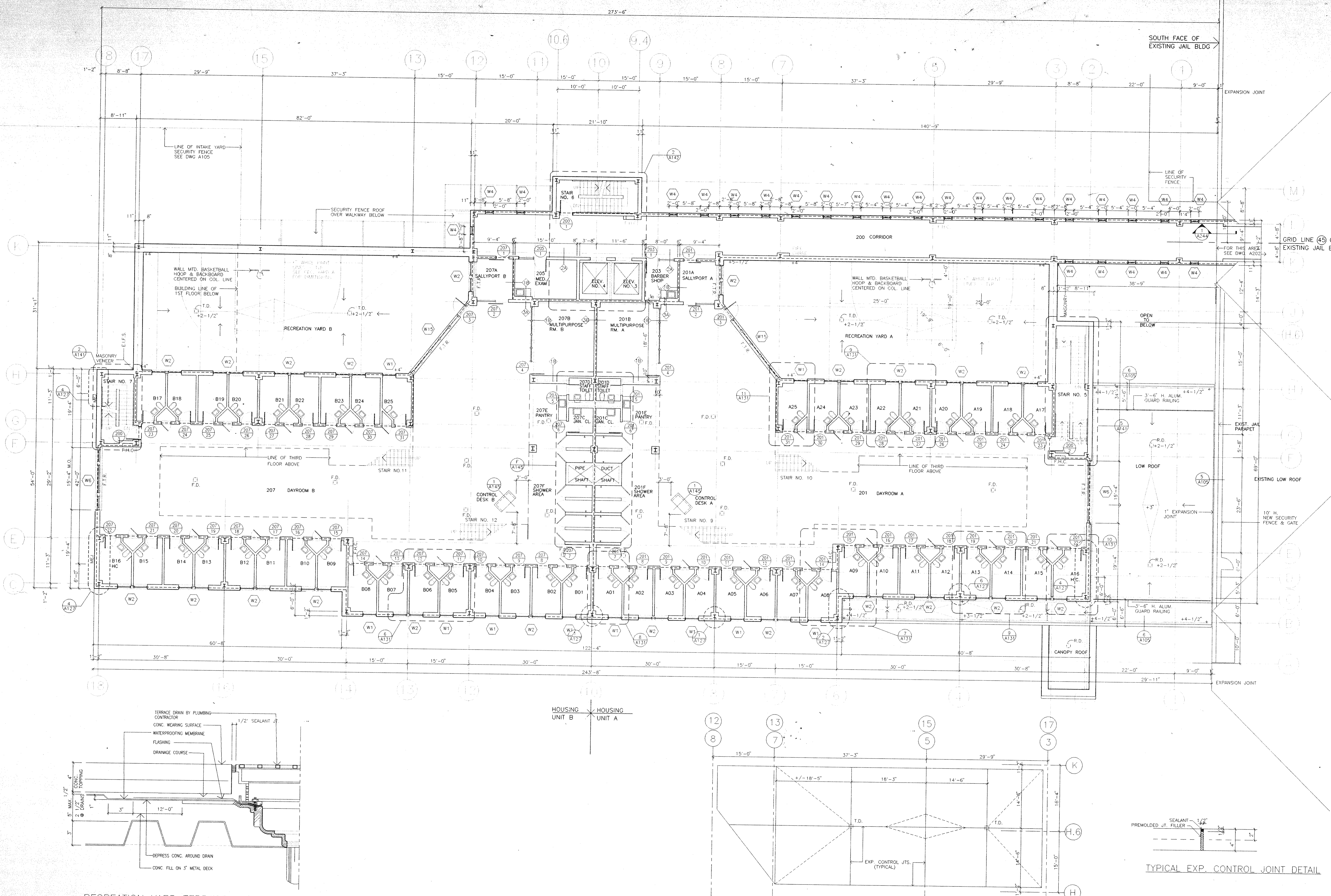
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Checked By	Date
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Issue Date	
03.21.94	
Scale	
1/8" = 1'-0"	
Key Plan	



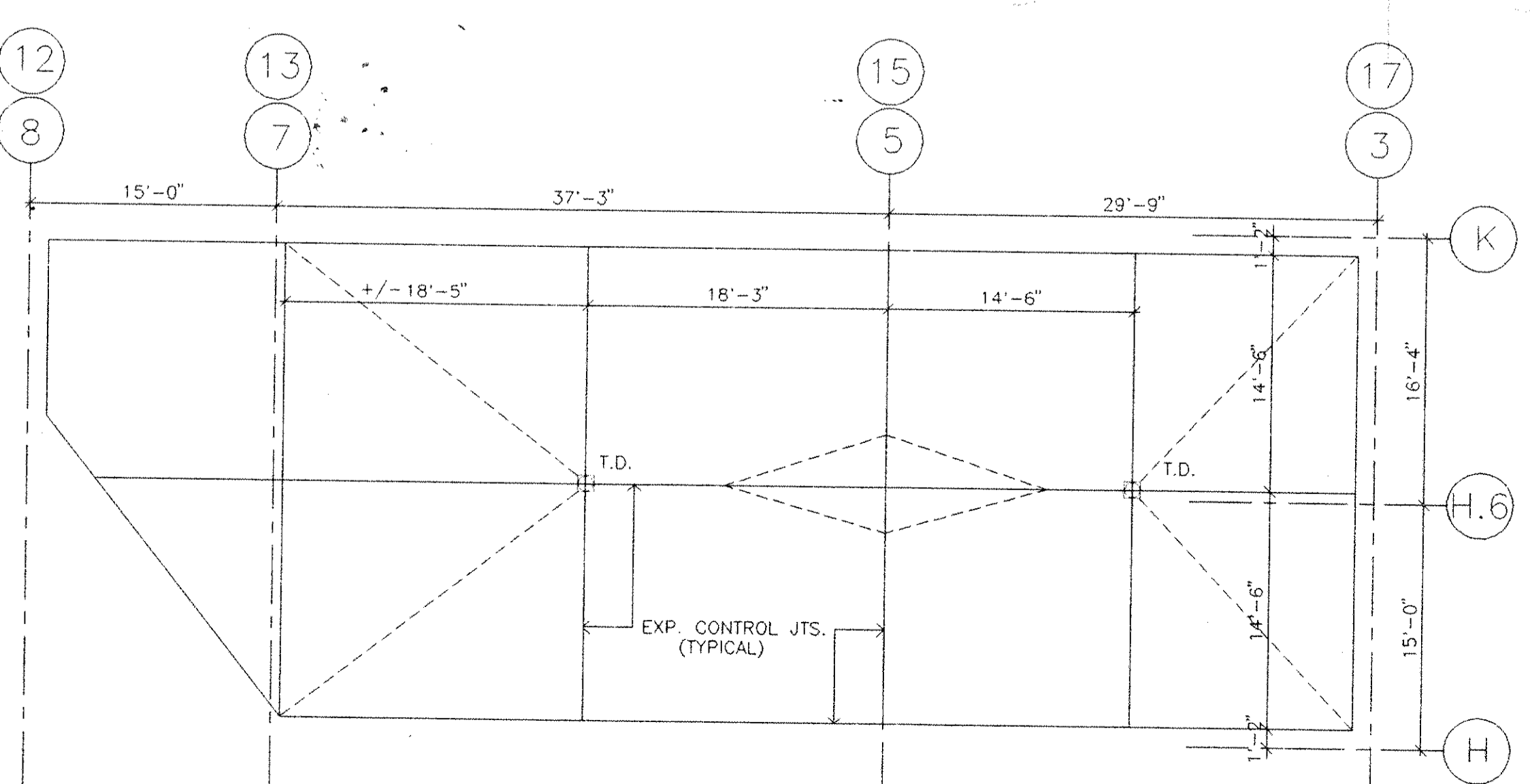
Drawing Title
**NEW BUILDING
 SECOND FLOOR
 PLAN**

CS Project No. 91-1286
 RA Project # 9901.00
 Drawing No.

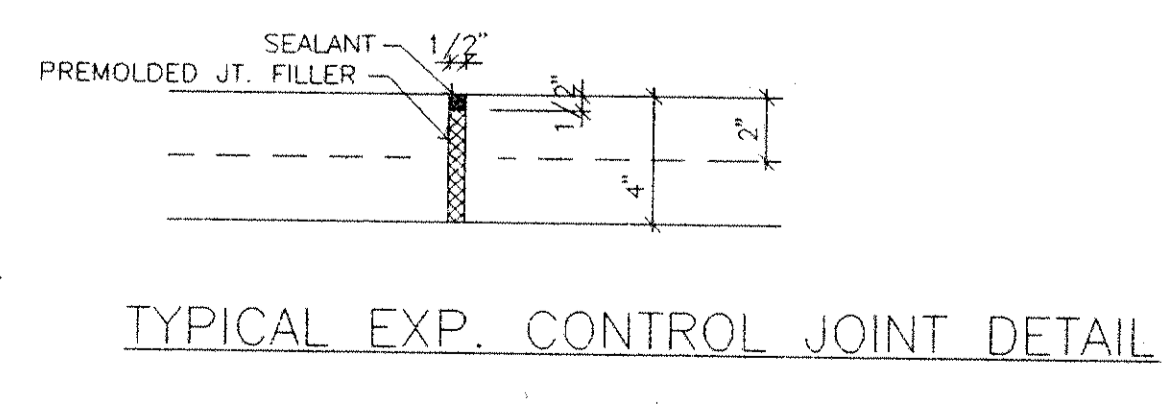
A102



RECREATION YARD TERRACE DRAIN DETAIL
 SCALE: 3" = 1'-0"



EXPANSION CONTROL JOINT LOCATIONS FOR CONC. TOPPING @ RECREATION YARDS A (SHOWN) & B (OPP. HAND)



TYPICAL EXP. CONTROL JOINT DETAIL

NOTE: 1. PROVIDE HOT DIPPED GALV. FLAT MAT 6 X 6 W1.4 X W1.4 WWP SUPPORTED ON CHAIRS 2" MIN. BELOW TOP OF CONC. FILL
 2. PLACE CONC. FILL IN ALTERNATE PANELS. ALLOW 72 HOURS BEFORE PLACING ADJACENT PANELS

DCP2.DWG

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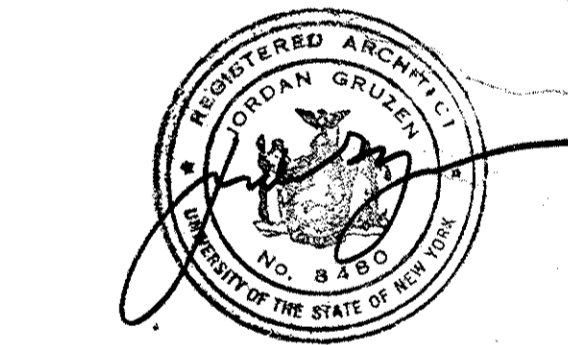
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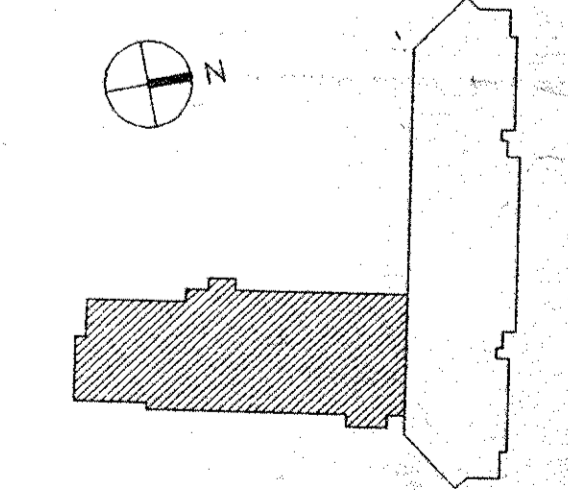


No.	Date	Revision
5	08.15.94	REVISED BID ISSUE
4	04.29.94	BID ISSUE
3	04.15.94	ADDENDUM 4.1
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

Drawn By	Date
RF/SB	

Checked By	Date
RFG	

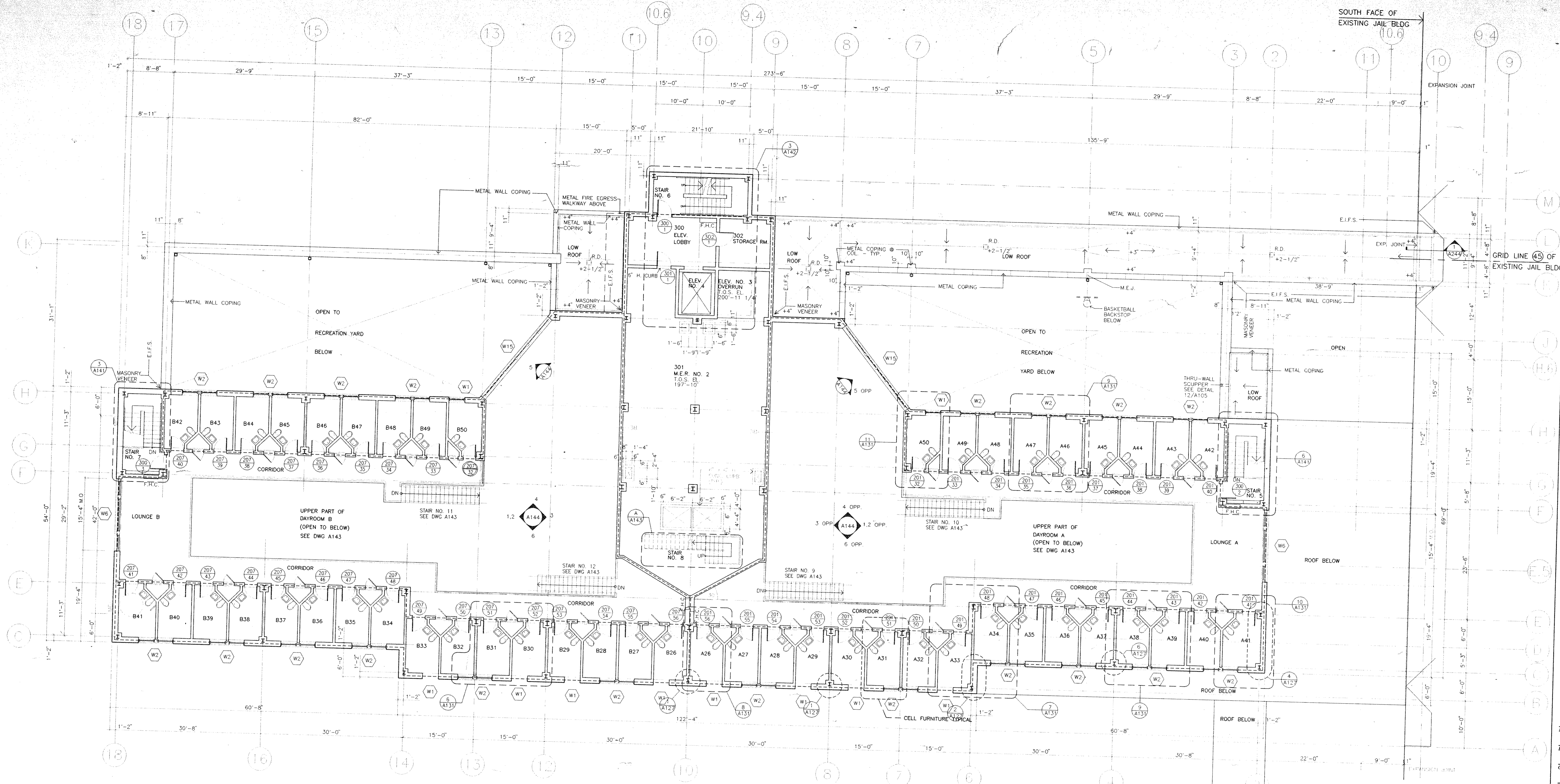
Issue Date: 03.21.94
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 Key Plan



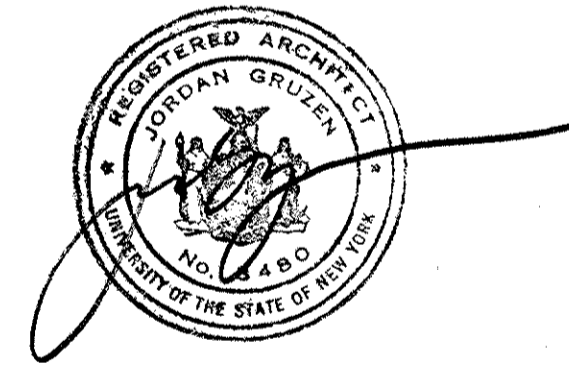
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**NEW BUILDING
 THIRD FLOOR
 PLAN**

GS Project No. 91-1286
 RA Project # 99301.00
 Drawing No.

A103

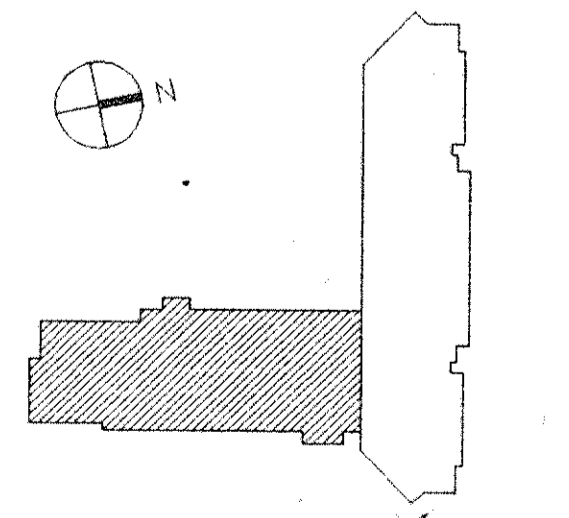


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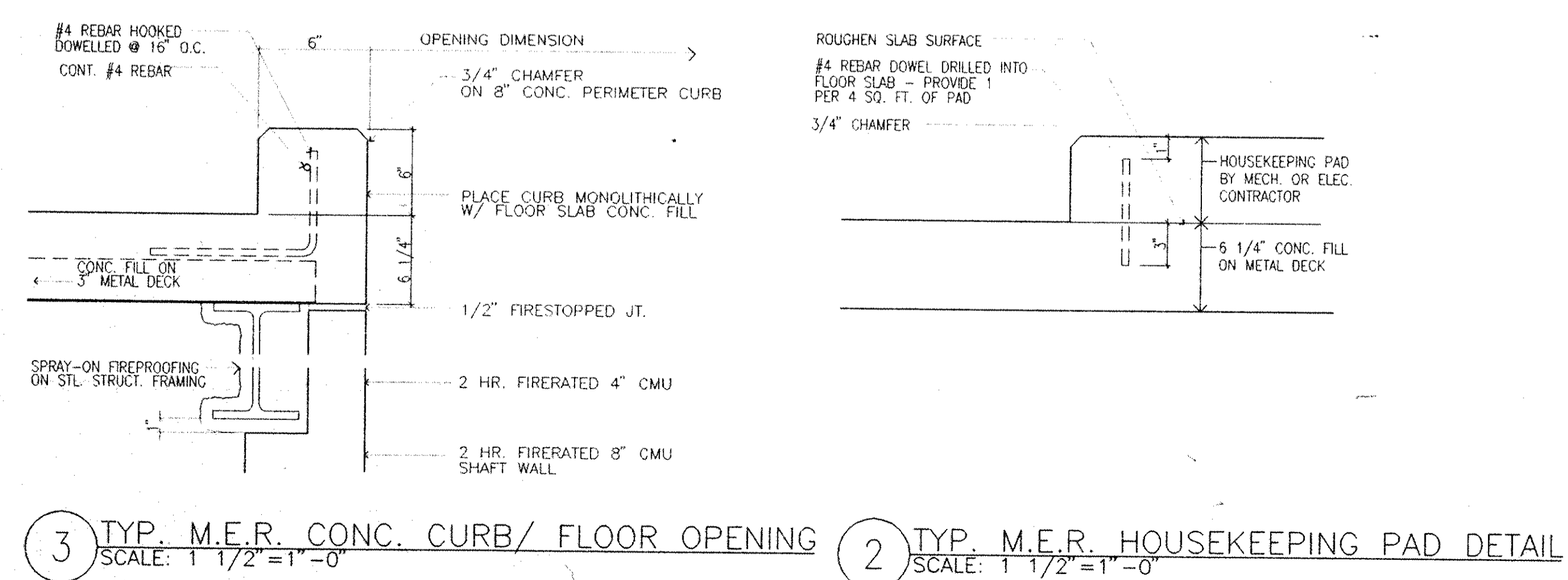
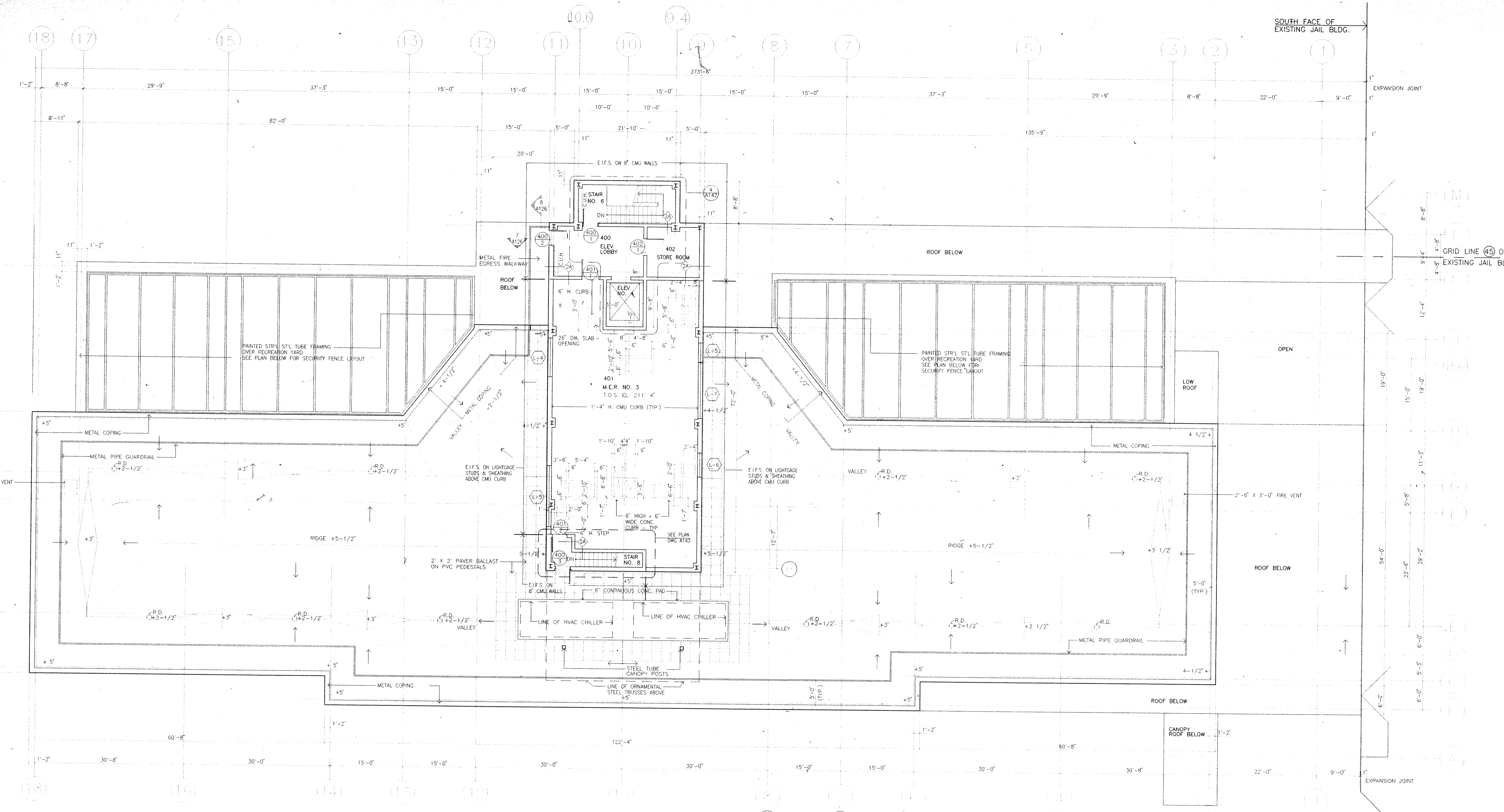


No.	Date	Revision
4	08.05.94	GENERAL REVISIONS
3	04.29.94	BID ISSUE
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

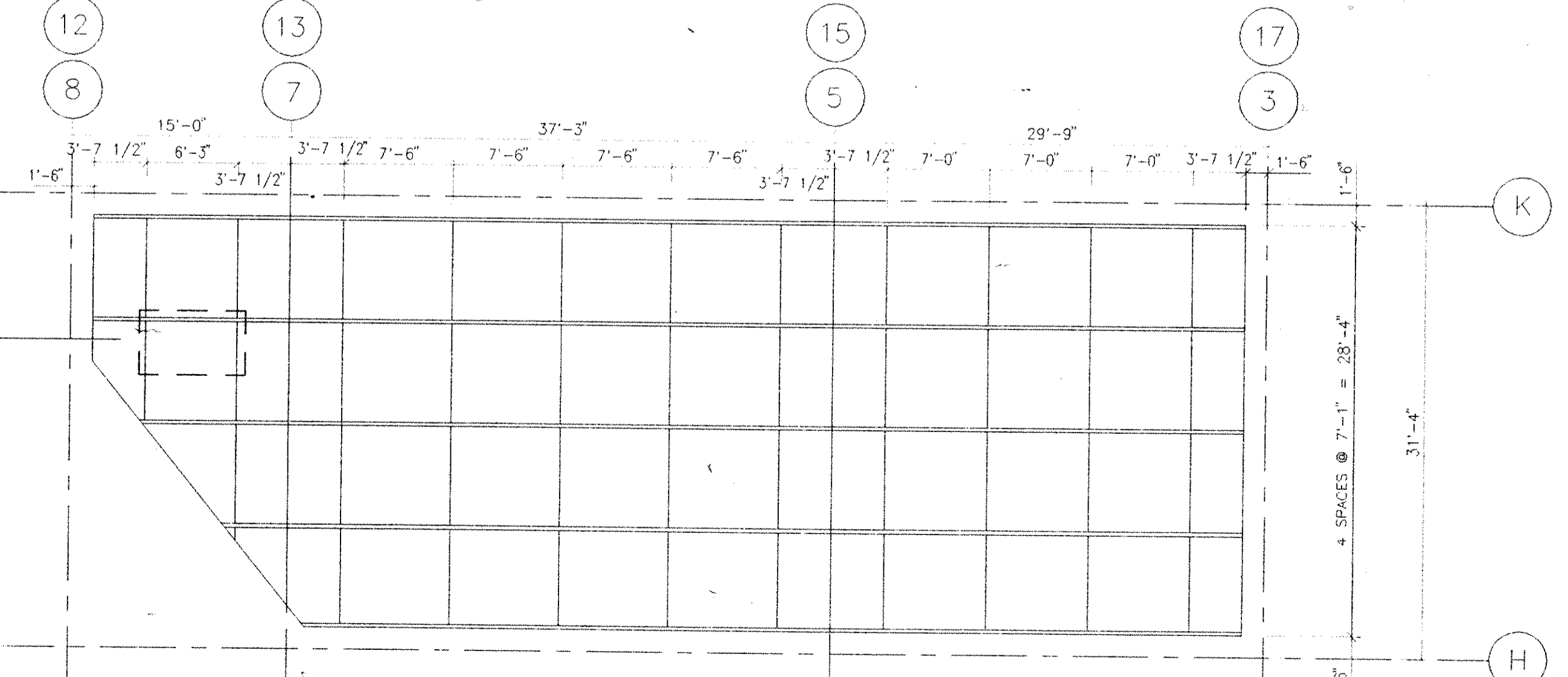
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RF	12.17.93
Checked By	Date
RFG	12.20.93
Issue Date	
21 MARCH 1994	
Scale	
1/8" = 1'-0"	
Key Plan	



Drawing Title
NEW BUILDING
ROOF PLAN



3 TYP. M.E.R. CONC. CURB/ FLOOR OPENING SCALE: 1 1/2" = 1'-0"
2 TYP. M.E.R. HOUSEKEEPING PAD DETAIL SCALE: 1 1/2" = 1'-0"



PLAN OF SECURITY FENCE OVER RECREATION YARD A
(RECREATION YARD B SIMILAR/OPPOSITE HAND)

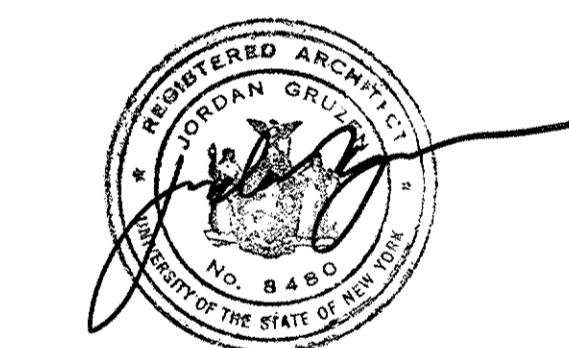
Architects Planners & Interior Designers
 Cruzen Samton
 304 Park Avenue South
 New York, NY 10010
 Fax 212/477-1257
 Tel 212/477-0900

Associated Architects
 Rice Associates
 130 West 30th Street
 New York, NY 10001
 Fax 212/268-5897
 Tel 212/563-9154

Structural Engineers
 DeSimone, Chaplin & Dobryn P.C.
 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211

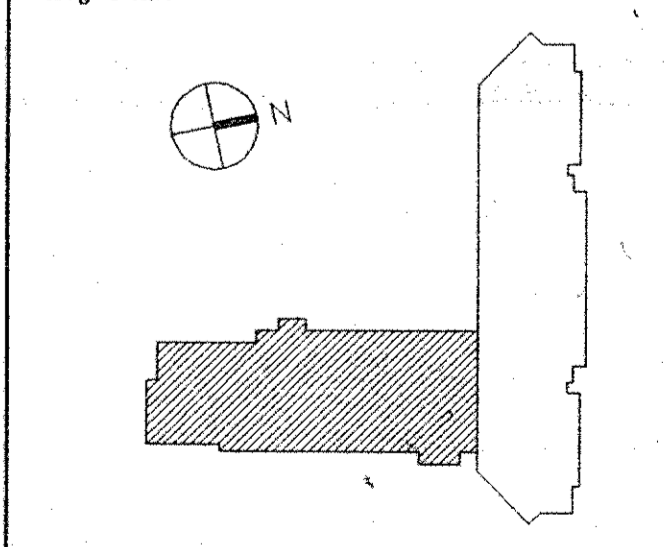
Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
 Fax 212/730-6425
 Tel 212/382-1800

Civil Engineers
 Passeri & Marini
 54-56 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0905
 Tel 914/471-7838



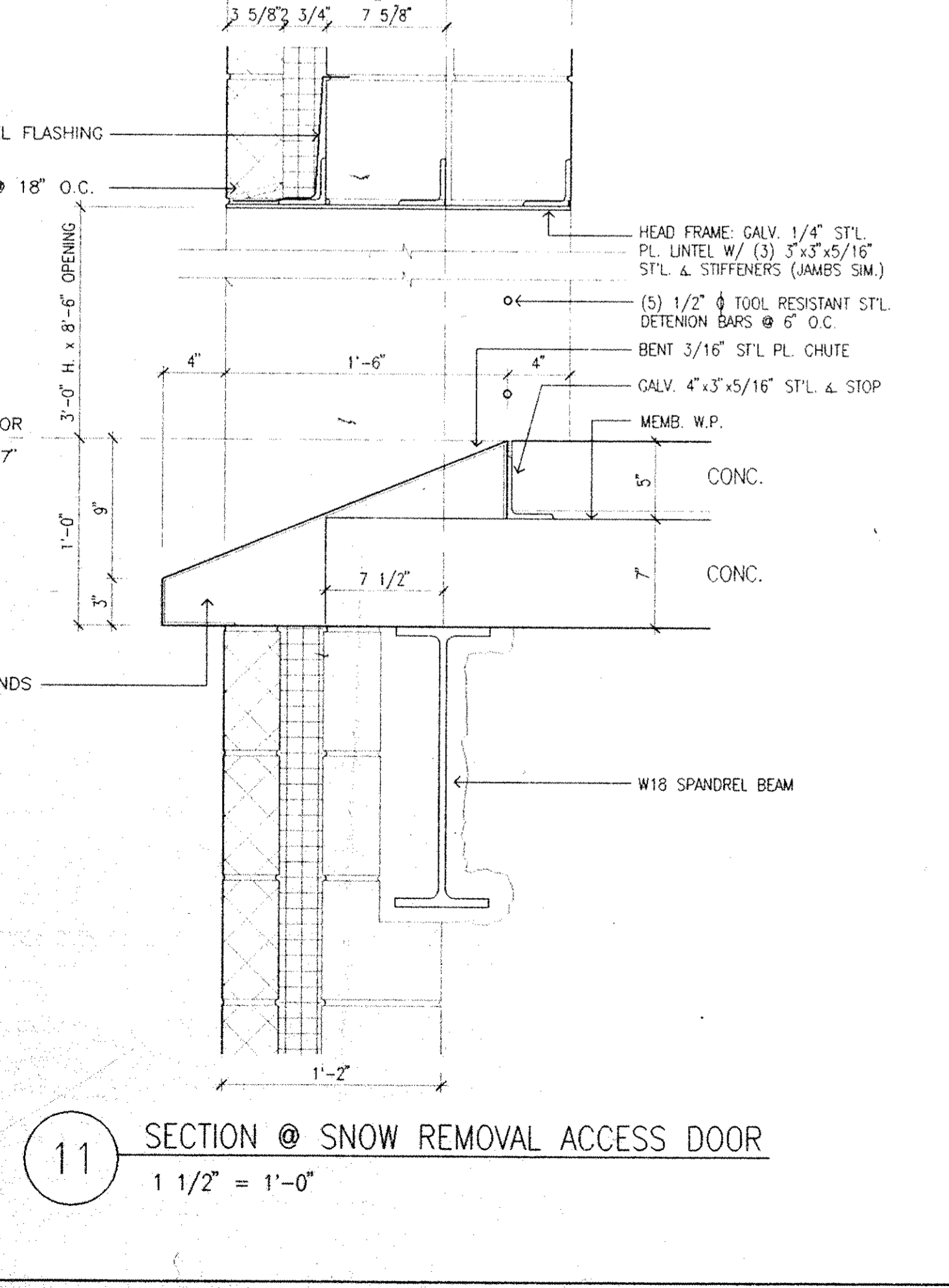
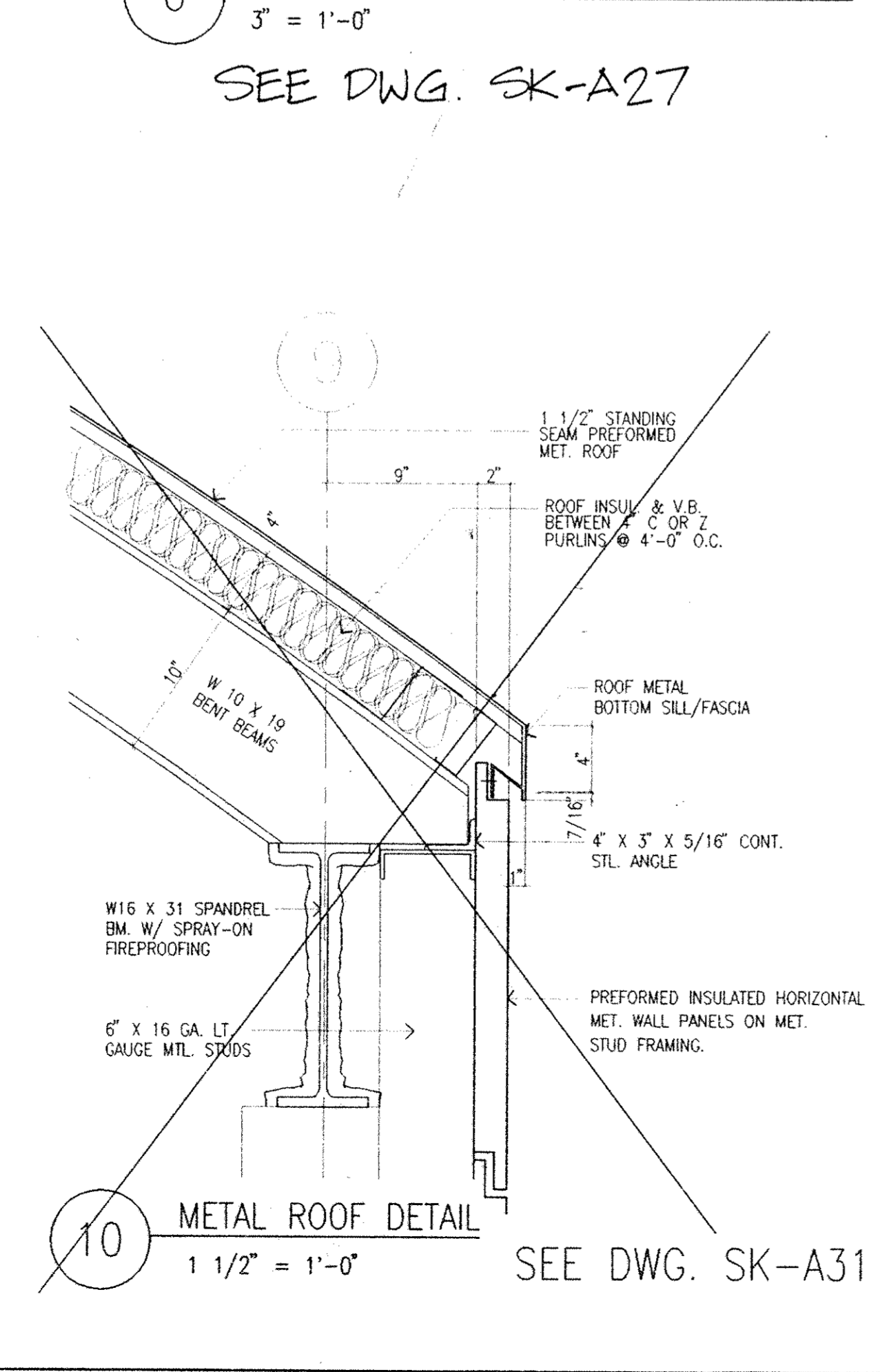
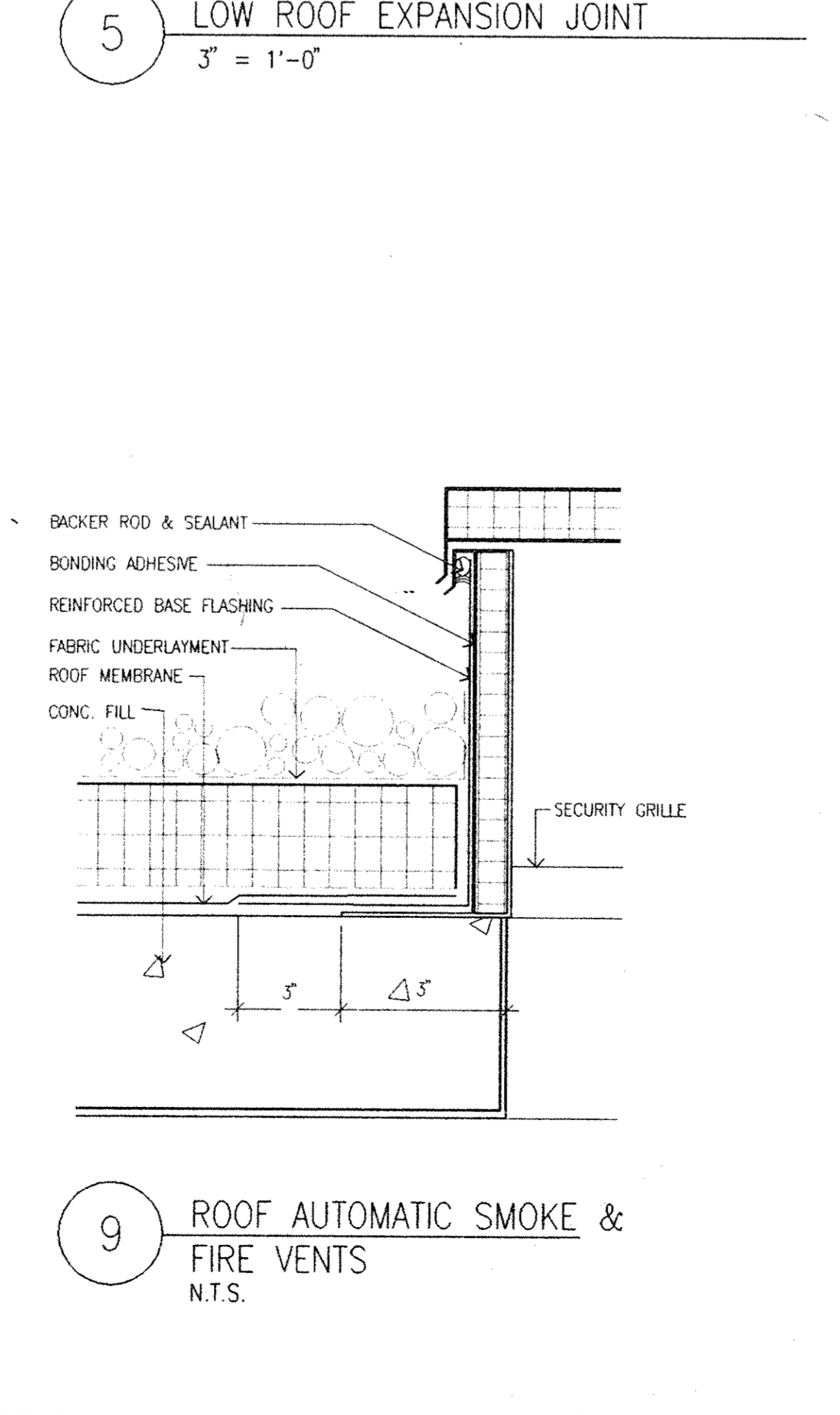
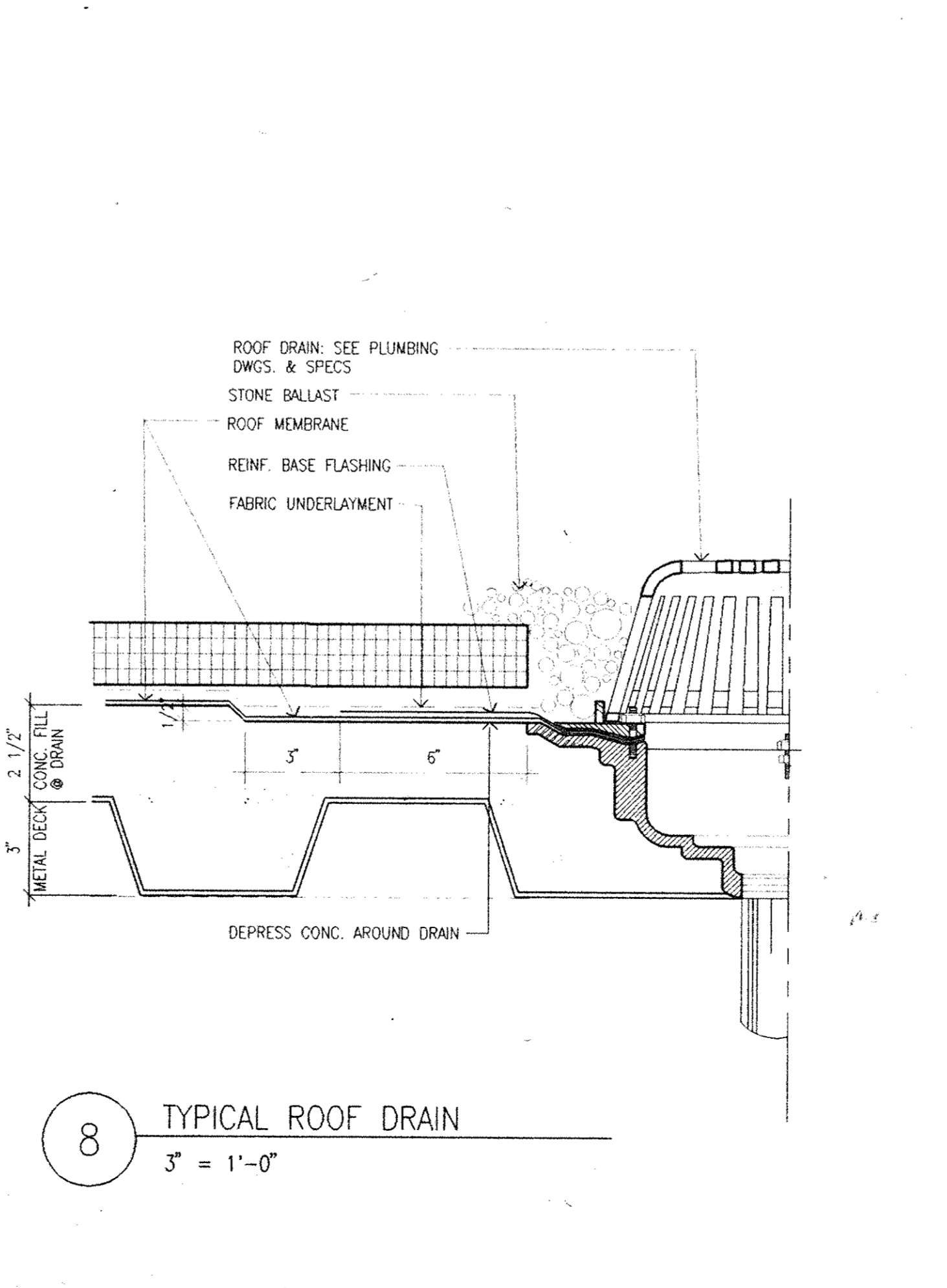
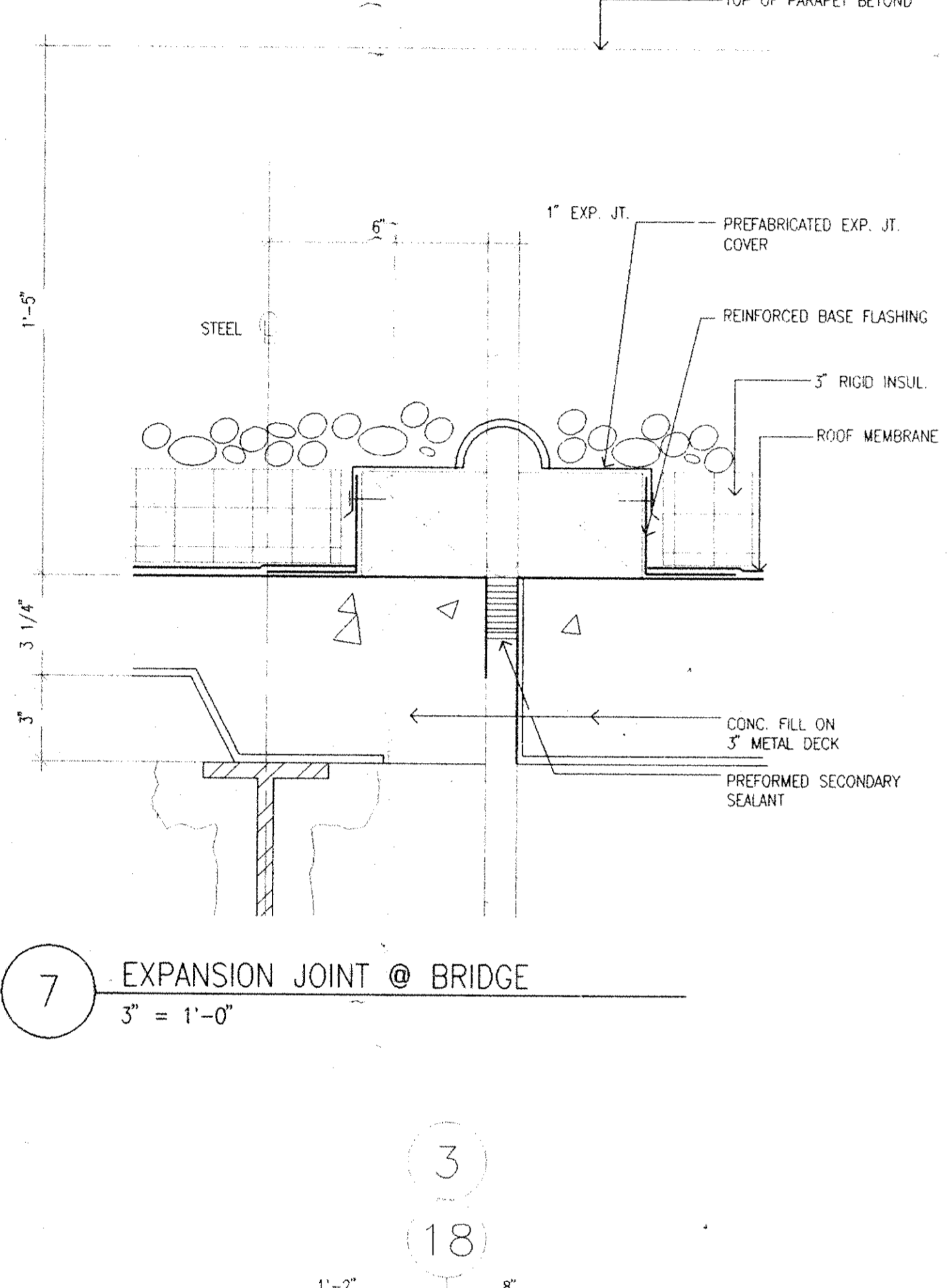
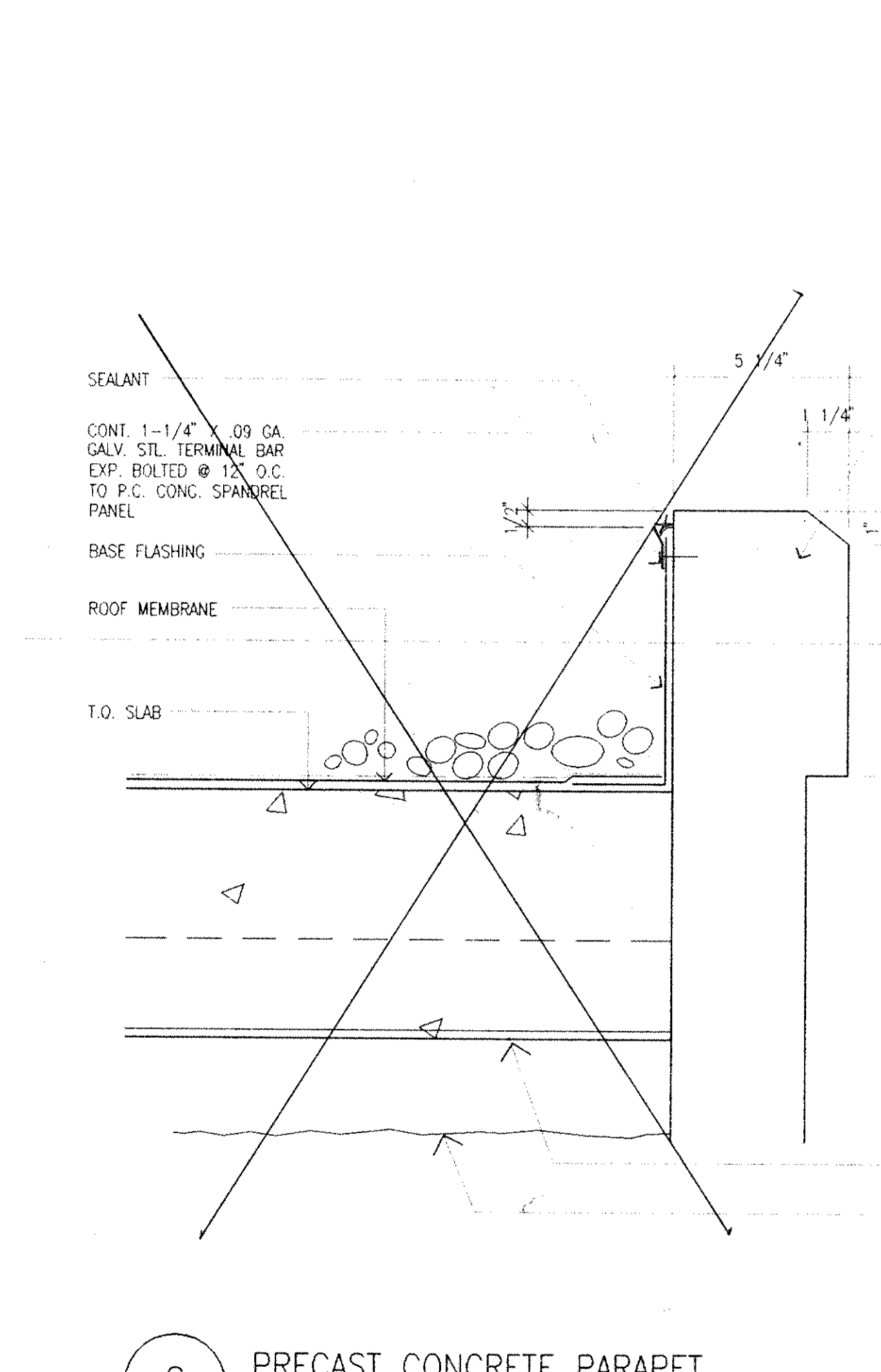
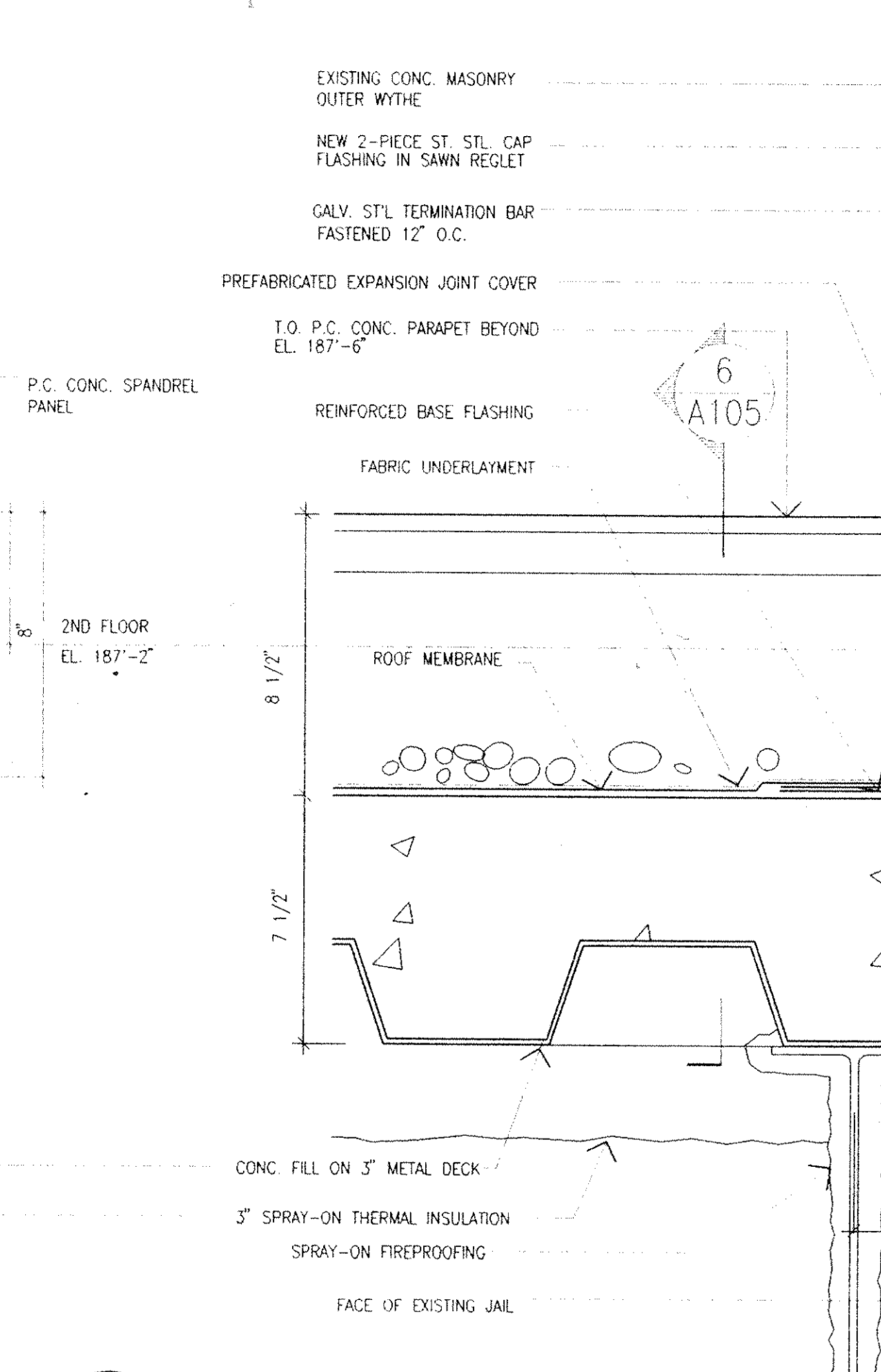
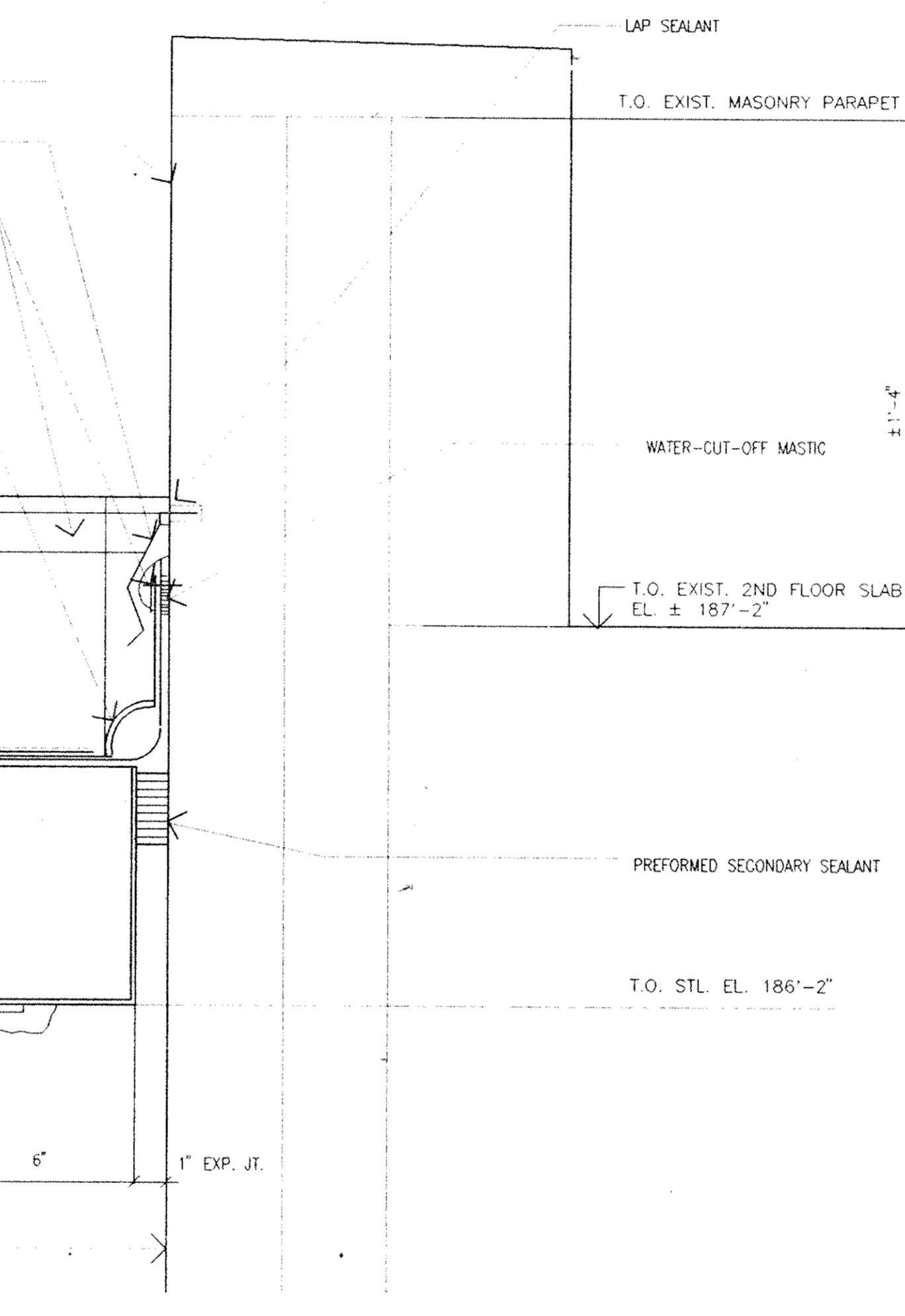
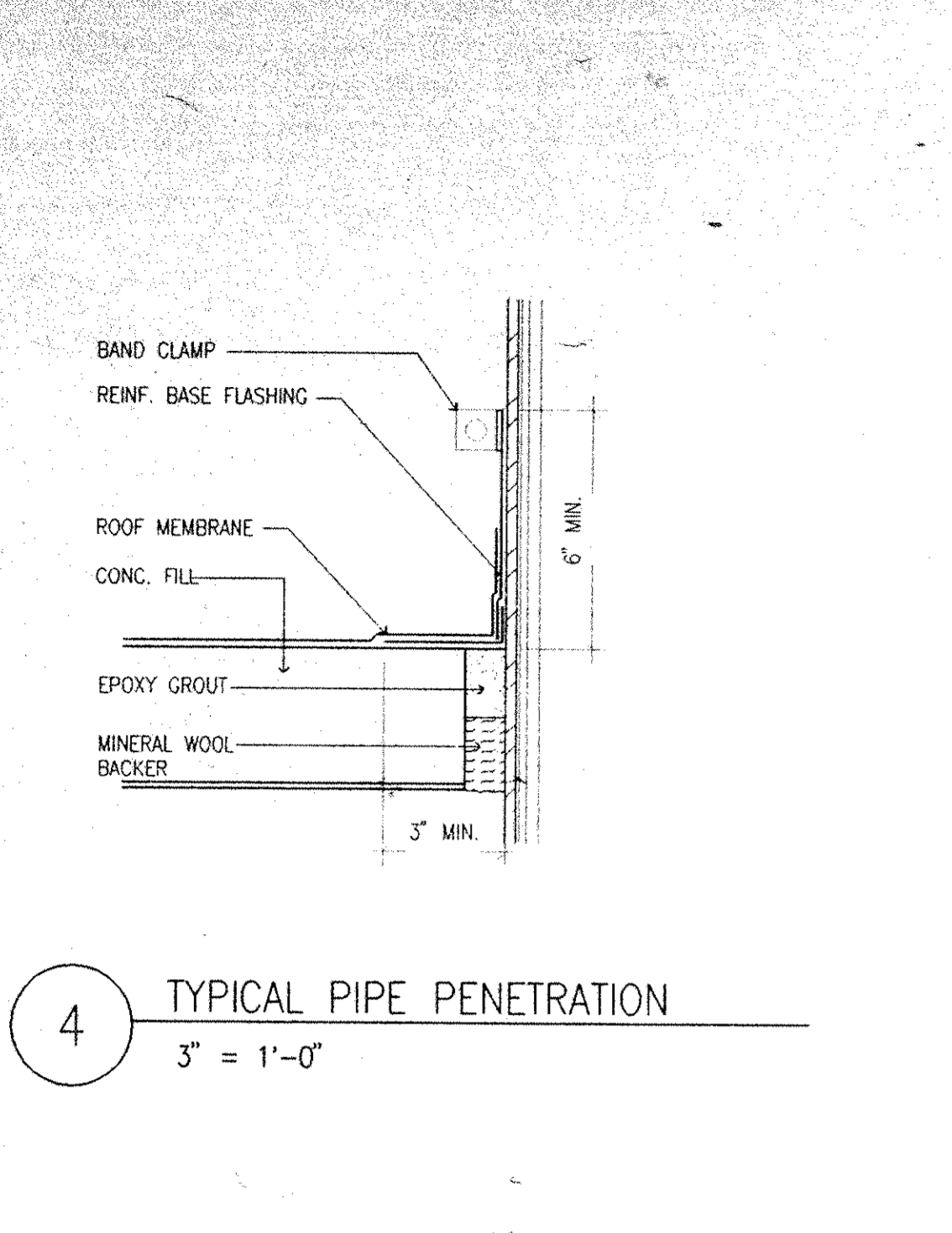
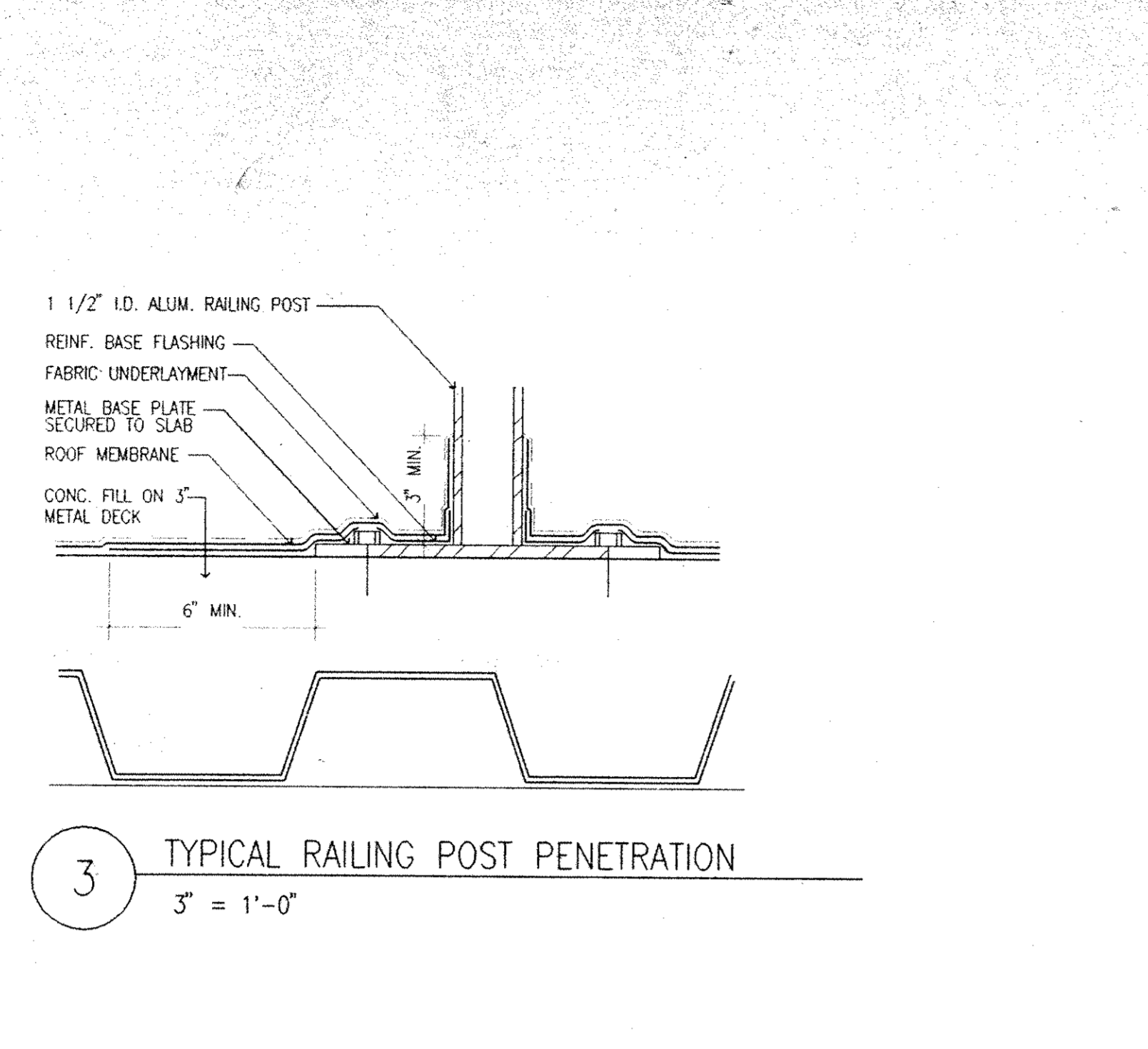
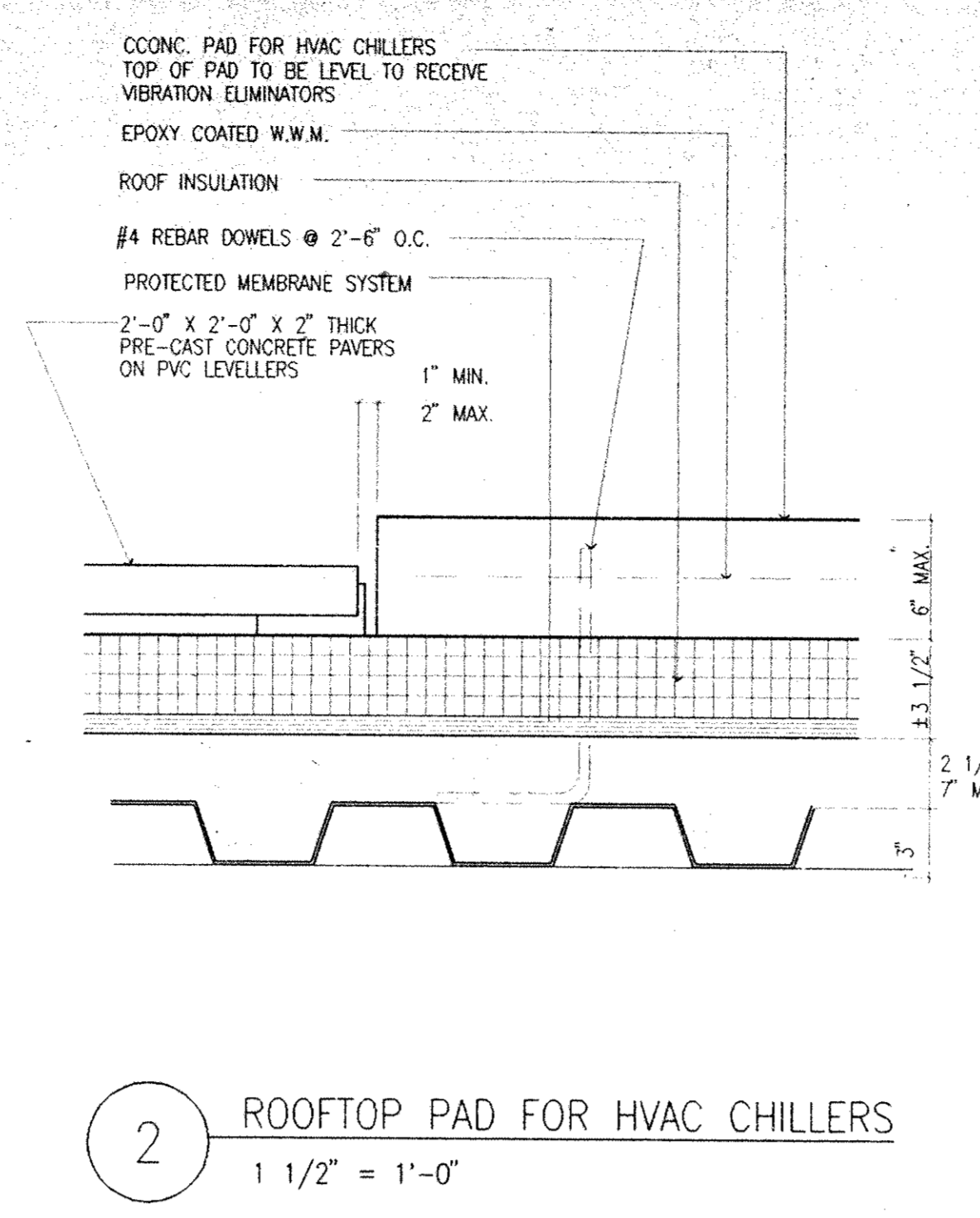
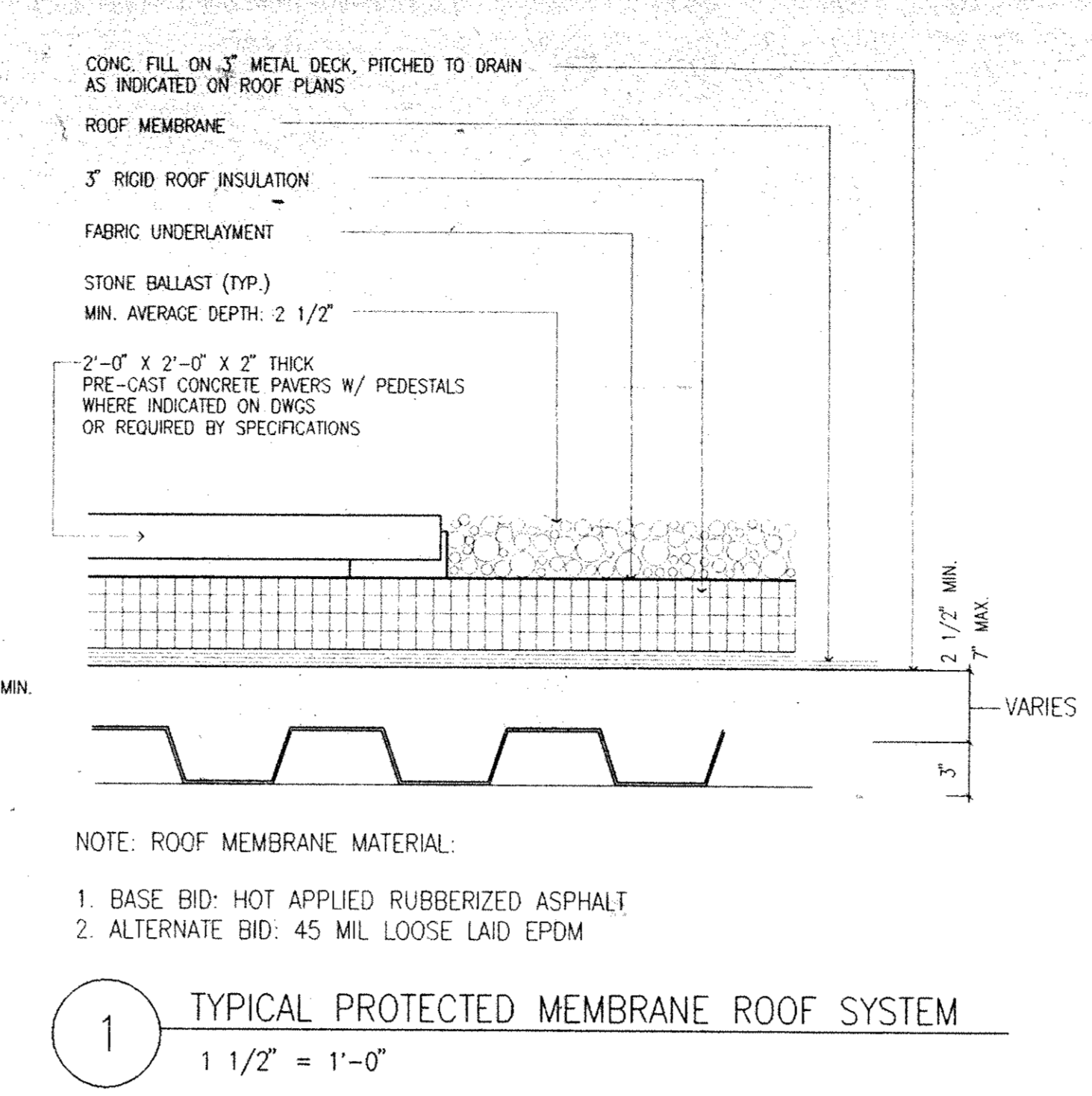
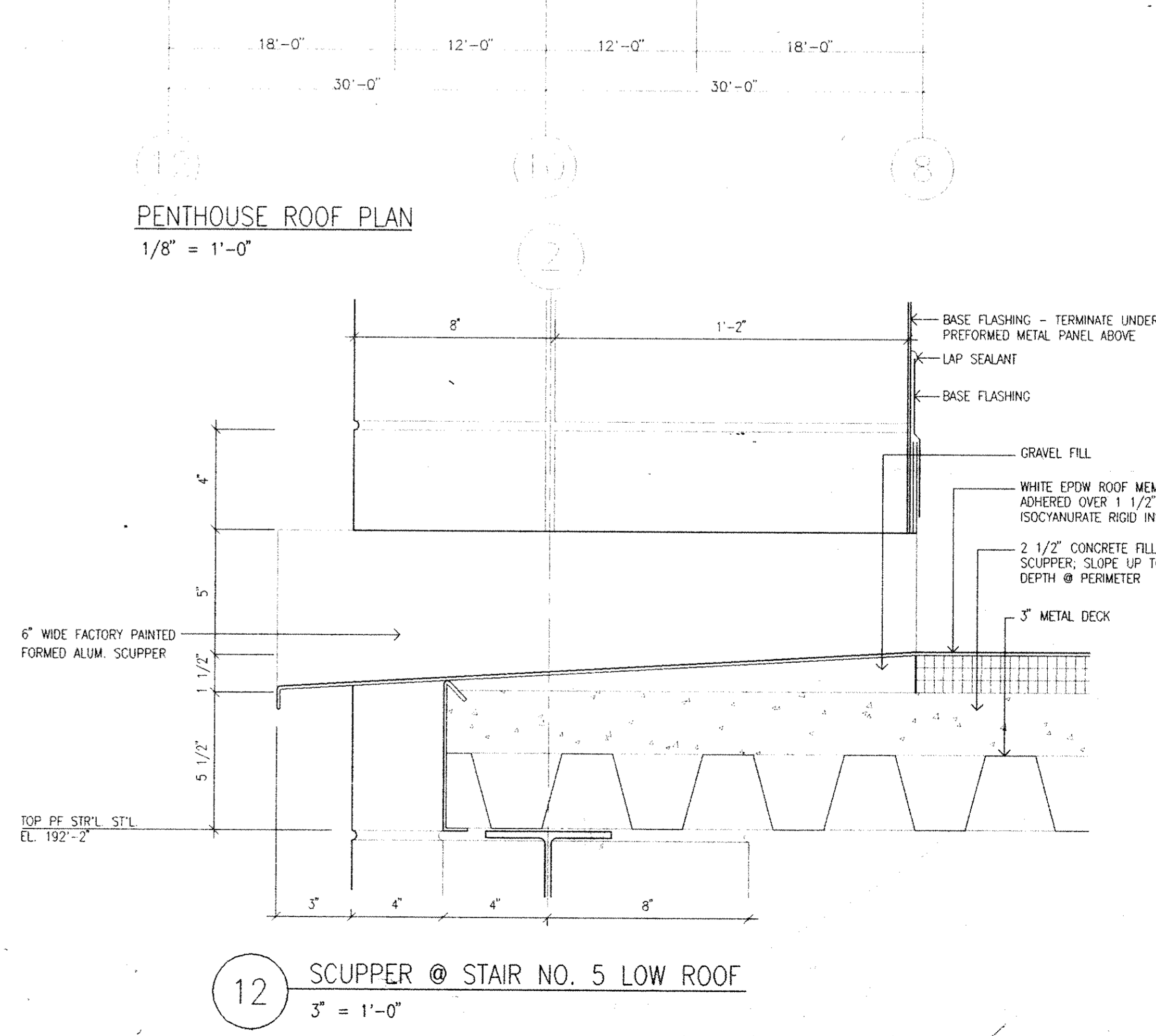
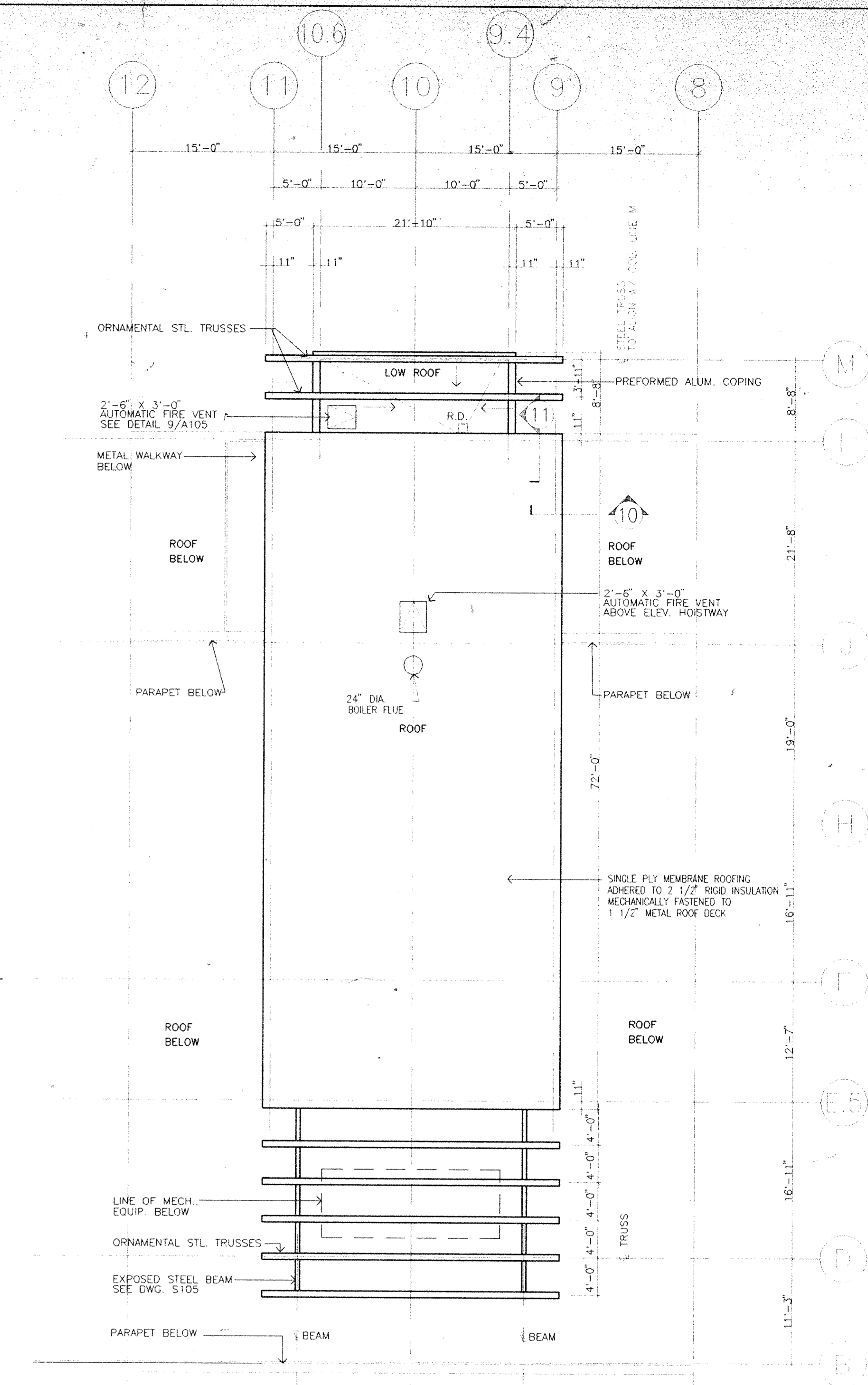
No.	Date	Revision
4	8.05.94	GENERAL REVISIONS
3	4.29.94	BID ISSUE
2	3.31.94	C.M. REVIEW ISSUE
1	3.21.94	COST ESTIMATE ISSUE

Drawn By: RF Date: 12.21.93
 Checked By: RFG Date: 1.3.94
 Issue Date: 21 MARCH 1994
 Scale: AS NOTED
 Key Plan:



Drawing Title:
**NEW BUILDING
 PENTHOUSE ROOF
 PLAN & ROOF
 DETAILS**

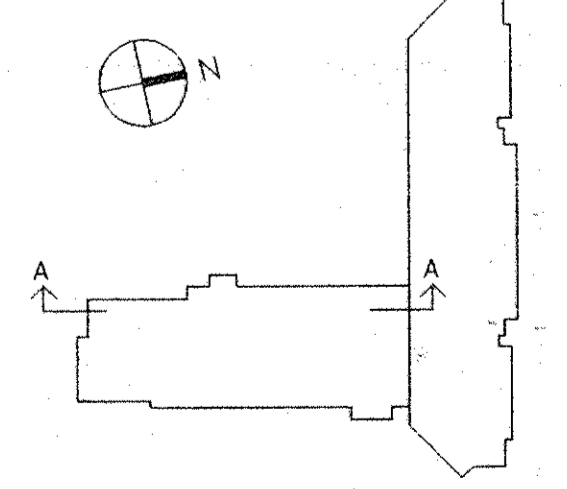
CS Project No. 91-1286
 RA Project # 9901.00
 Drawing No.





No.	Date	Revision
3	08.05.94	C.M. GENERAL REVISION
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

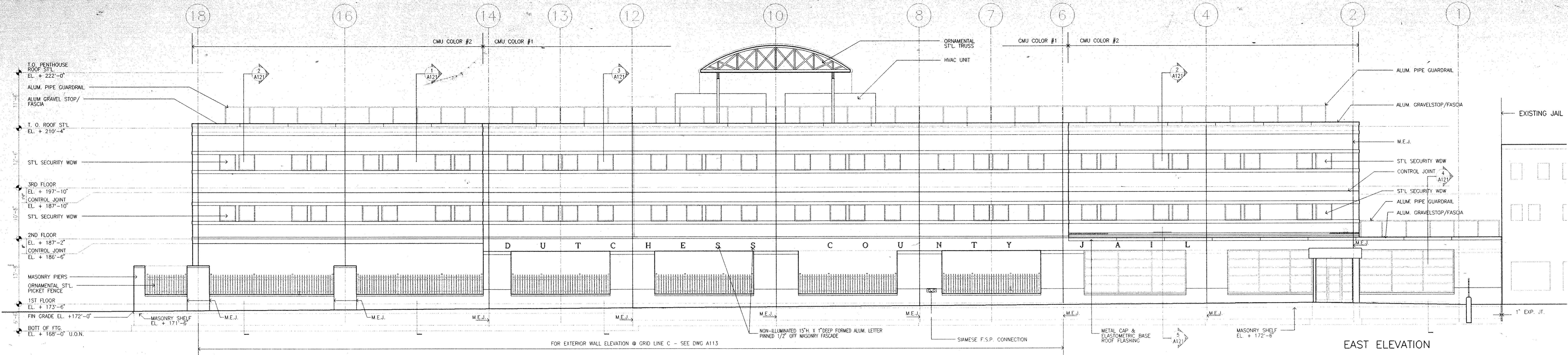
Drawn By	Date
SBG	
Checked By	Date
RFG	08.04.94
Issue Date	5 AUGUST 1994
Scale	1/8" = 1'-0" U.O.N.
Key Plan	



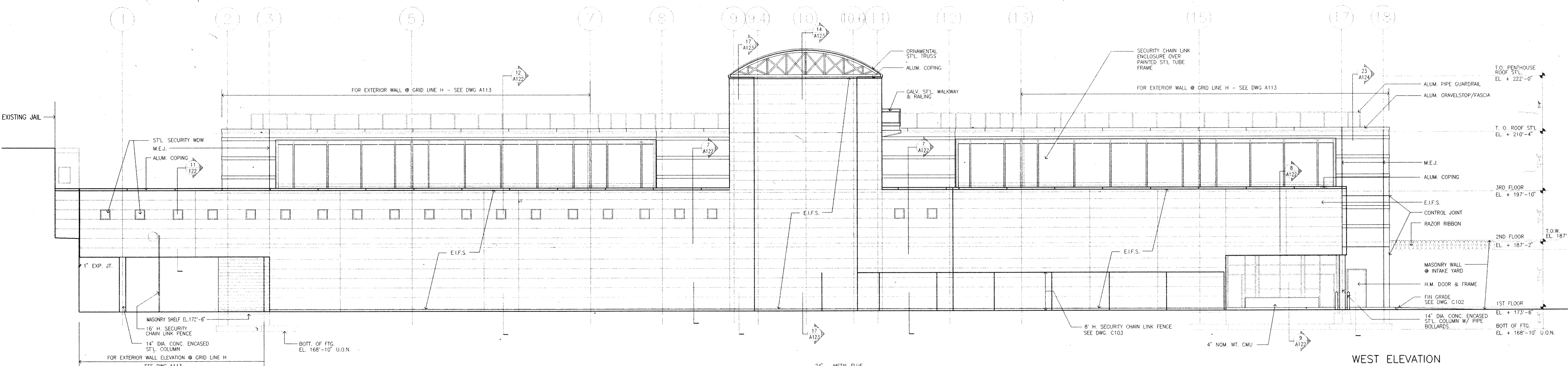
Drawing Title
EAST & WEST ELEVATIONS, SECTION A-A

GS Project No. 91-1286
RA Project # 9901.00
Drawing No.

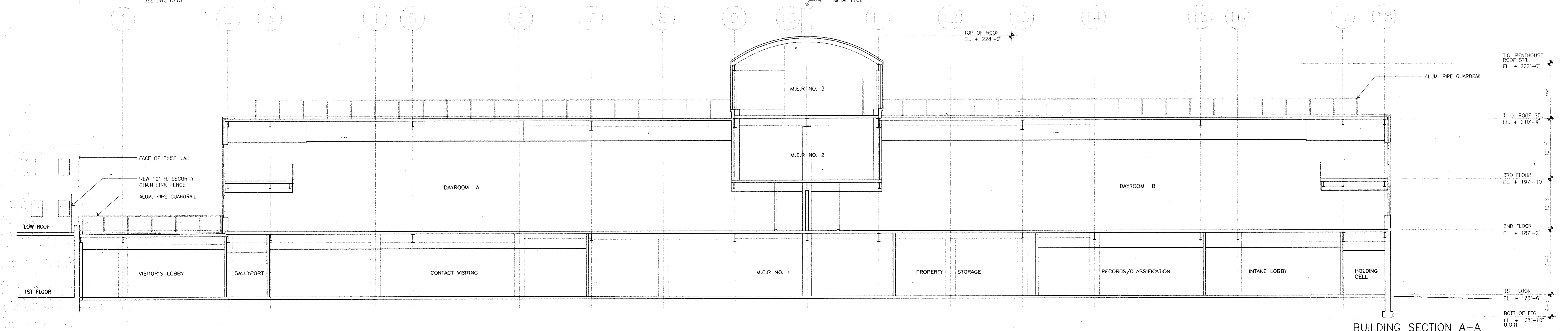
A111



EAST ELEVATION

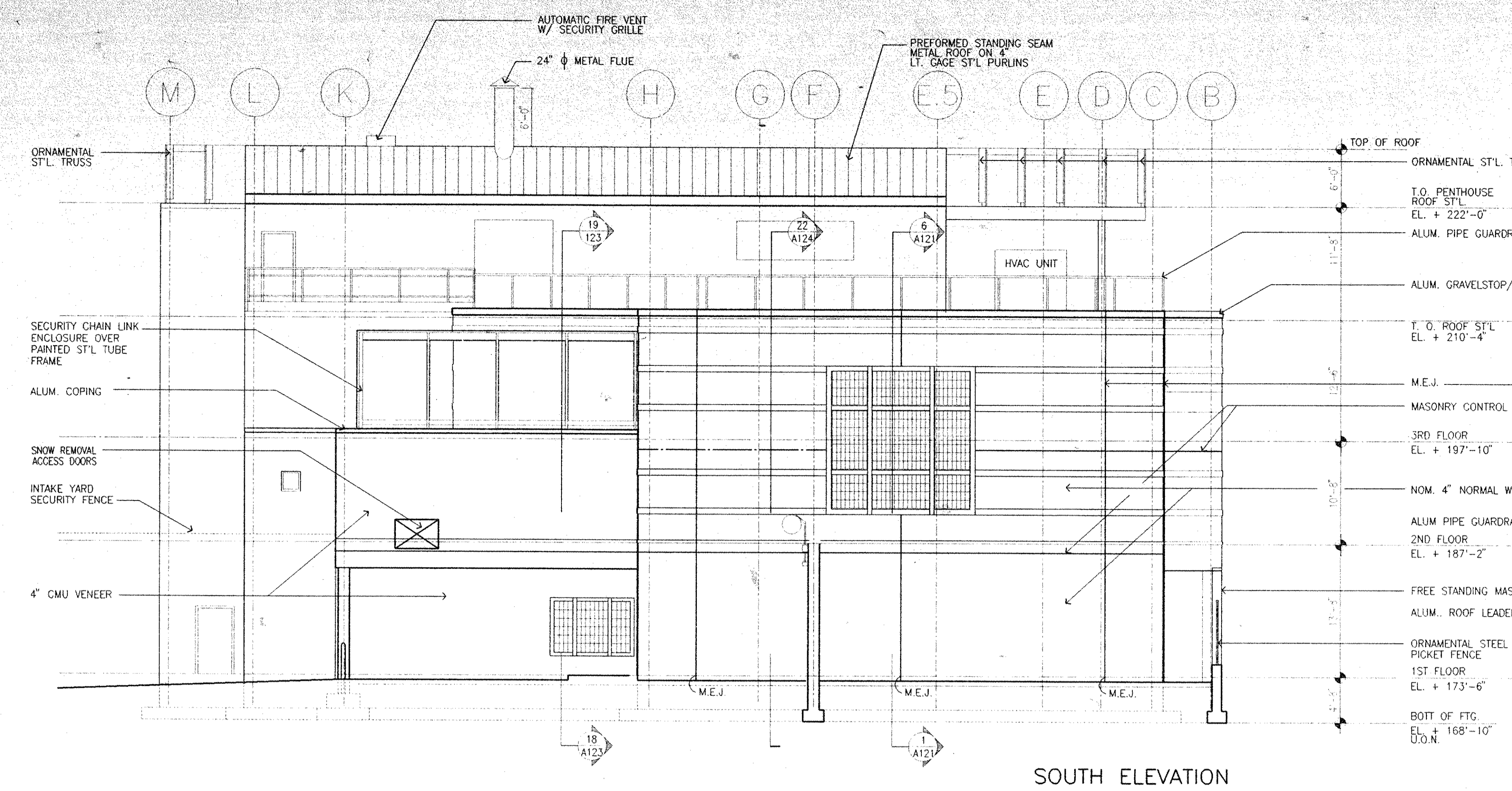


WEST ELEVATION

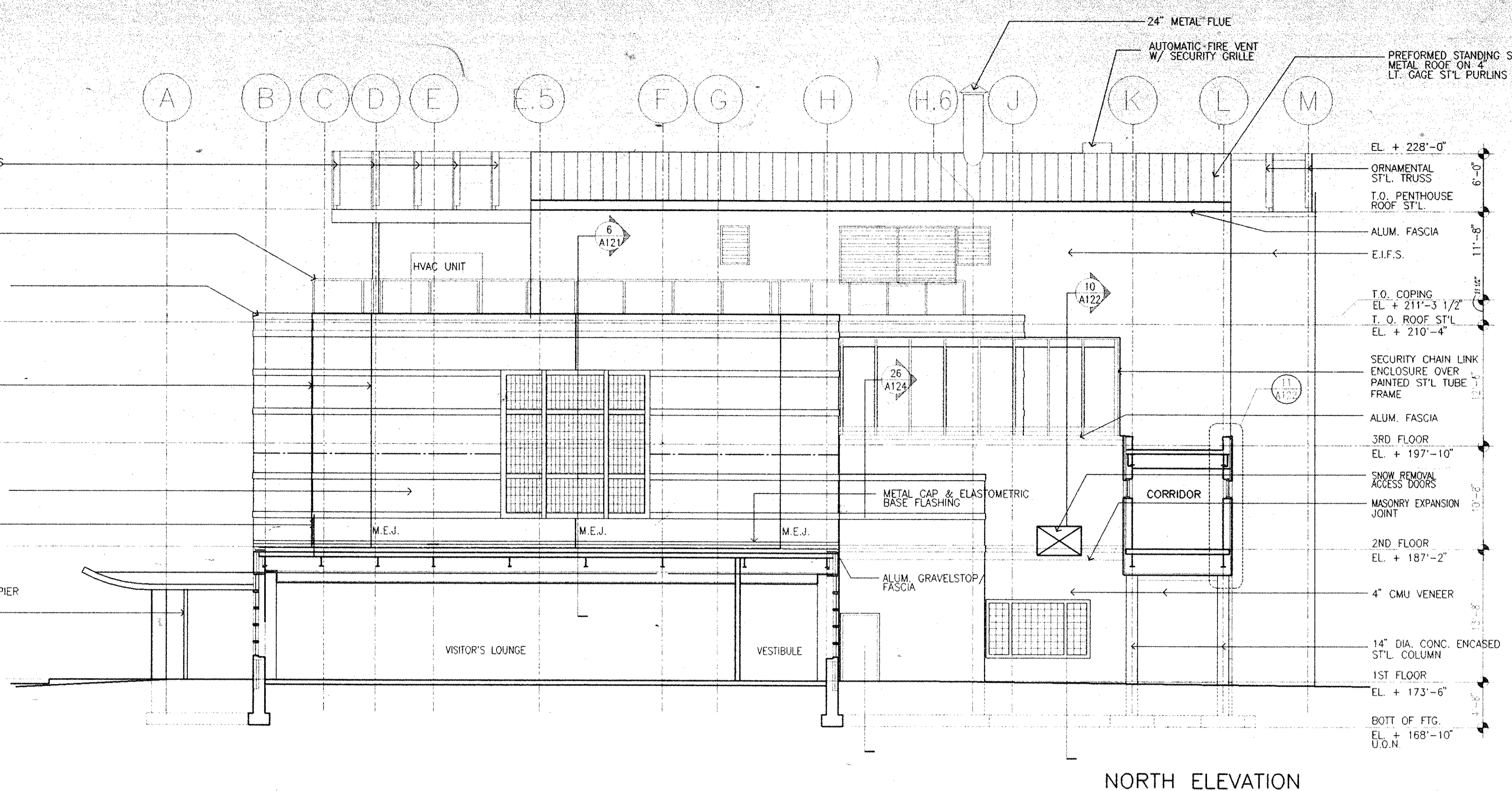


BUILDING SECTION A-A

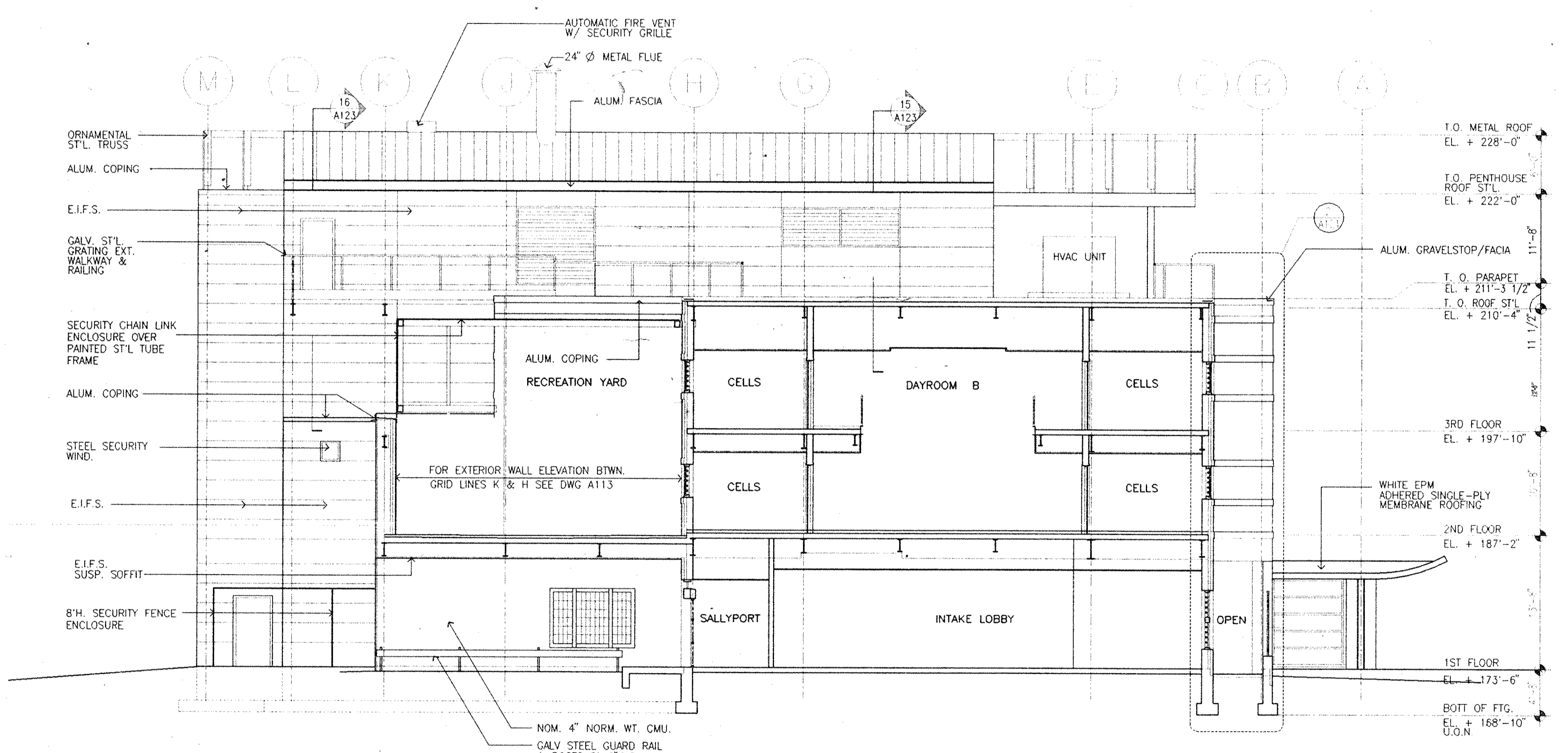
Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602
 Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
 Fax 914/431-1869
 Tel 914/431-2121
 Construction Manager
 R.C.K./C.R.S.S.
 123 Rombout Avenue
 P.O. Box 790
 Beacon, N.Y. 12508
 Fax 914/831-6071
 Tel 914/831-0943



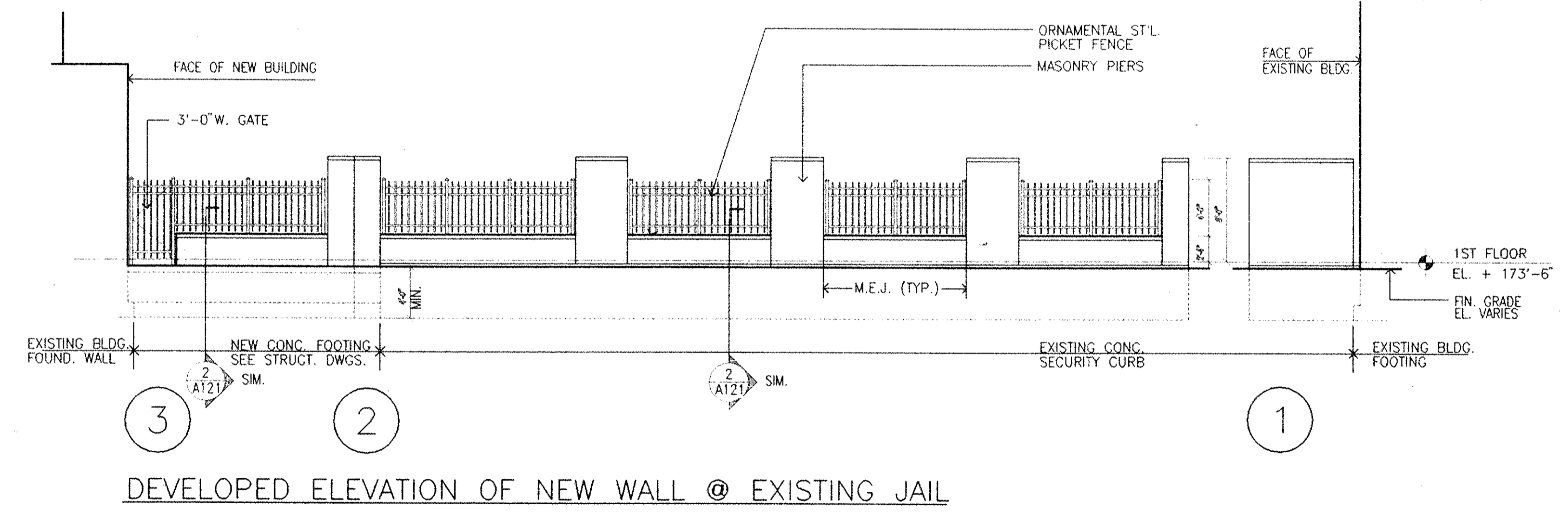
SOUTH ELEVATION



NORTH ELEVATION

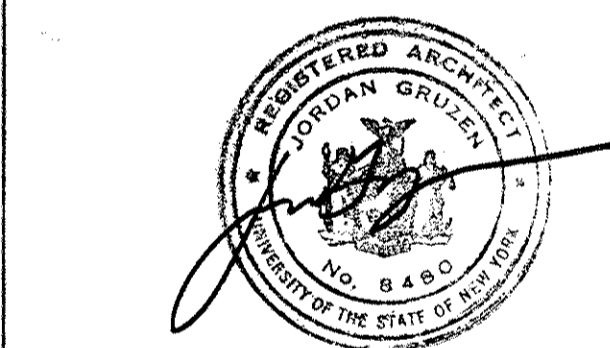


BUILDING SECTION B-B



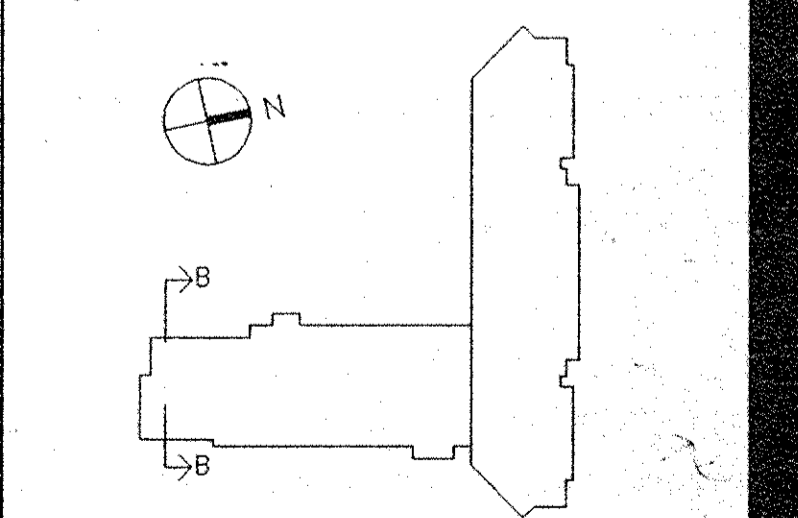
DEVELOPED ELEVATION OF NEW WALL @ EXISTING JAIL

Architects Planners & Interior Designers
 Gruzen Samton
 304 Park Avenue South
 New York, NY 10010
 Fax 212/477-0800
 Tel 212/477-0800
Associated Architects
 Rucci Associates
 130 West 30th Street
 New York, NY 10010
 Fax 212/268-5897
 Tel 212/563-9154
Structural Engineers
 DeSimone, Chapin & Dobryn P.C.
 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211
Mechanical/Electrical Engineers
 Kallen & Lemeison
 1430 Broadway
 New York, N.Y. 10018
 Fax 212/382-1800
Civil Engineers
 Paggi & Martin
 54-56 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0905
 Tel 914/471-7898



3	08.05.94	C.M.	GENERAL REVISION
2	03.31.94	C.M.	REVIEW ISSUE
1	03.21.94		COST ESTIMATE ISSUE

No.	Date	Revision
Drawn By	Date	
Checked By	Date	
Issue Date	08.04.94	
Issue Date	5 AUGUST 1994	
Scale	1/8" = 1'-0" U.O.N.	
Key Plan		



Drawing Title
NORTH & SOUTH ELEVATIONS, SECTION B-B

OS Project No. 91-1286
 84 Project # 93001.09
 Drawing No.

A112

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
 Fax 914/431-1869
 Tel 914/431-2121

Construction Manager
 R.C.K./C.R.S.S.
 123 Rombout Avenue
 P.O. Box 790
 Beacon, N.Y. 12508
 Fax 914/831-6071
 Tel 914/831-0943

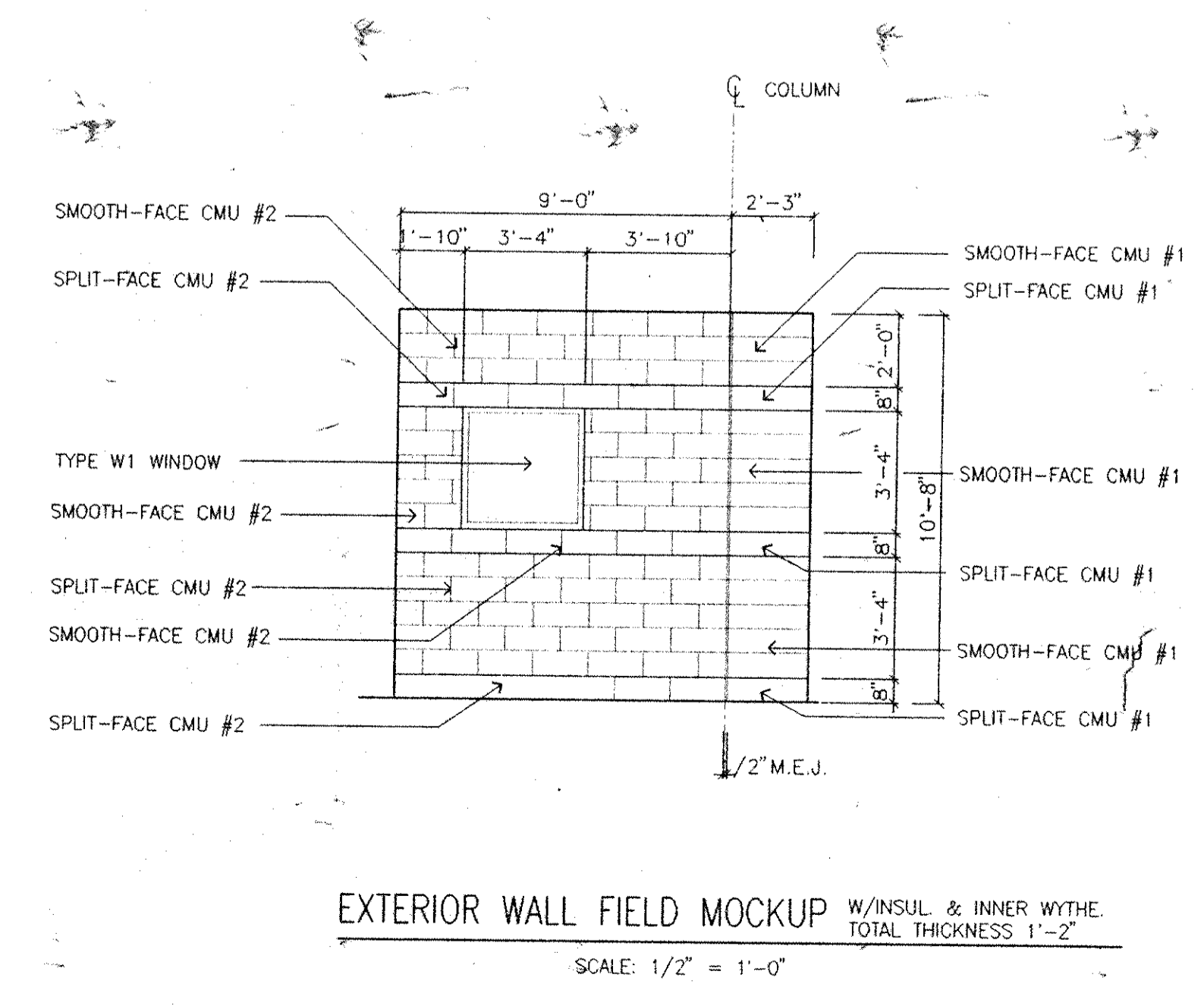
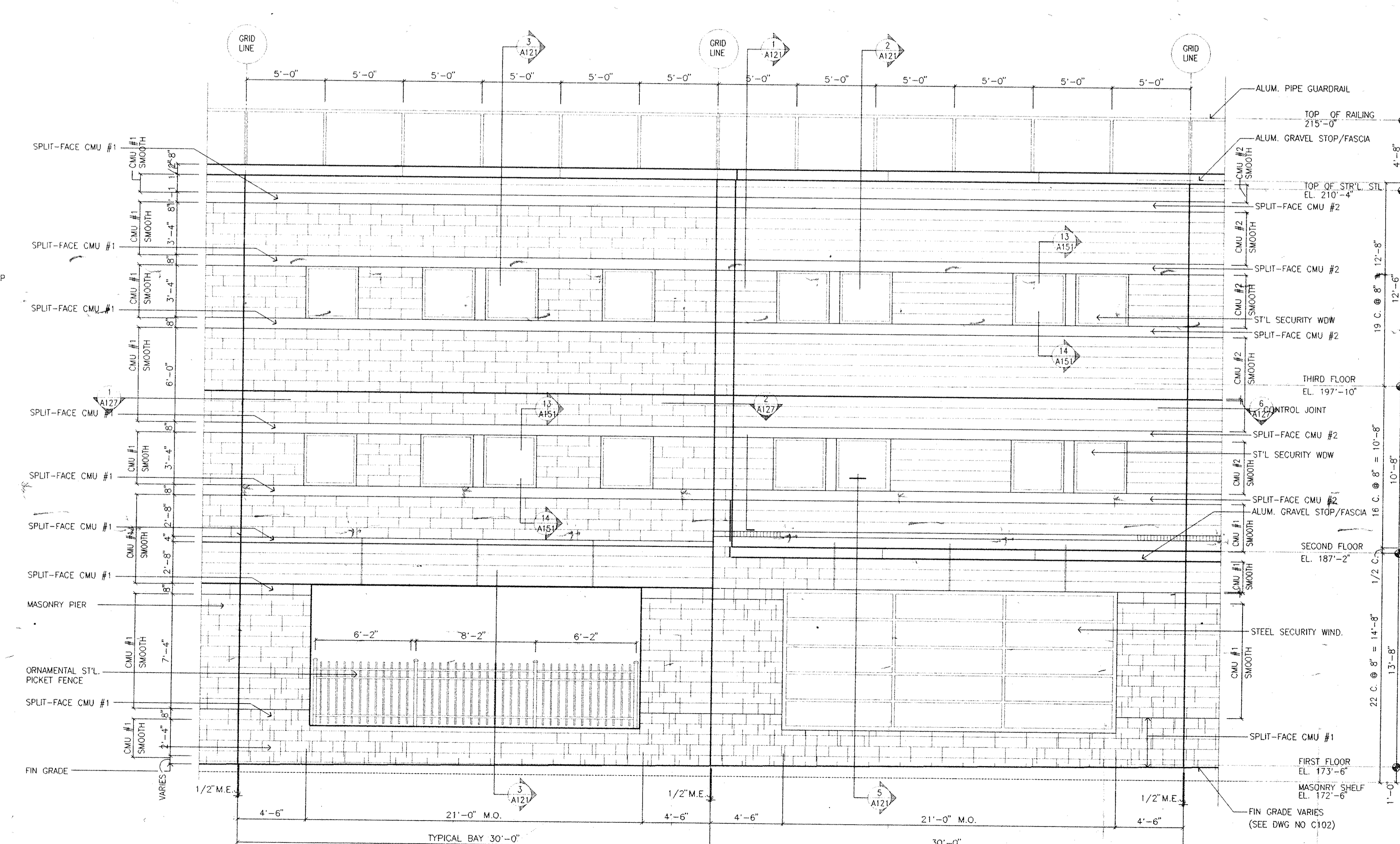
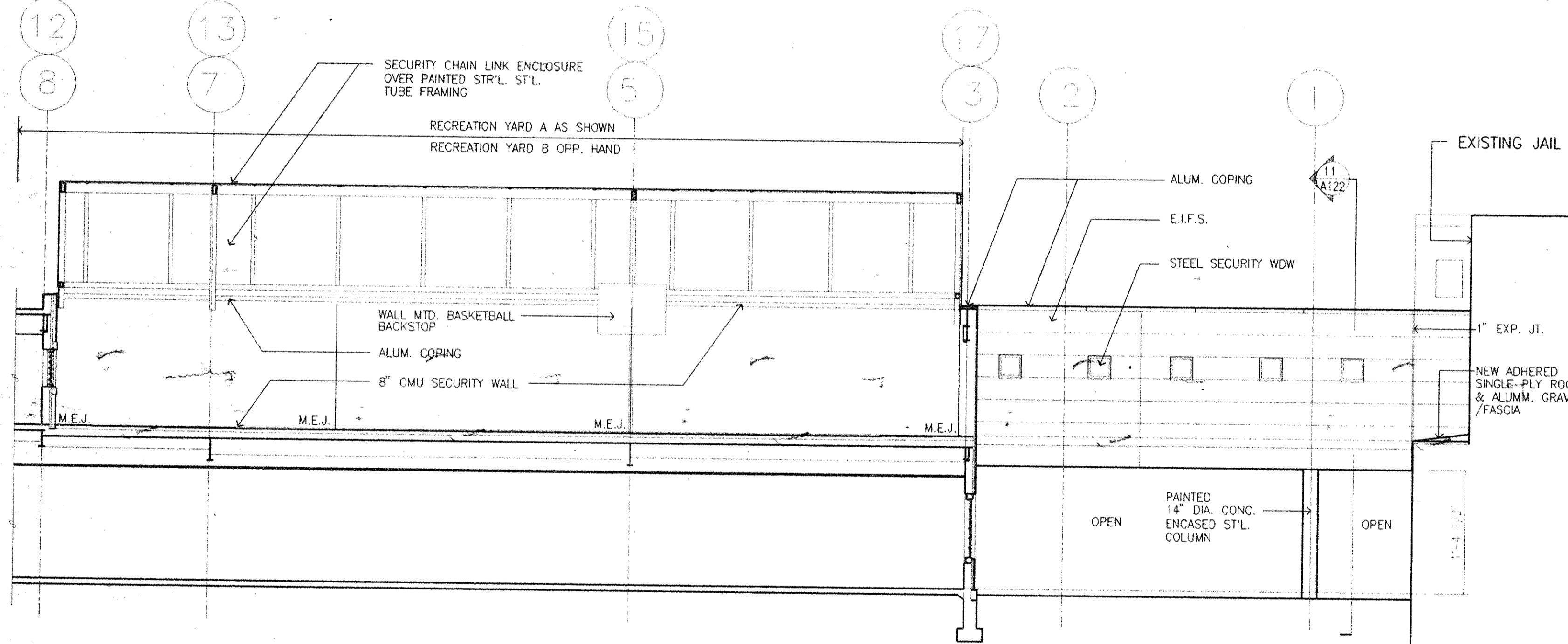
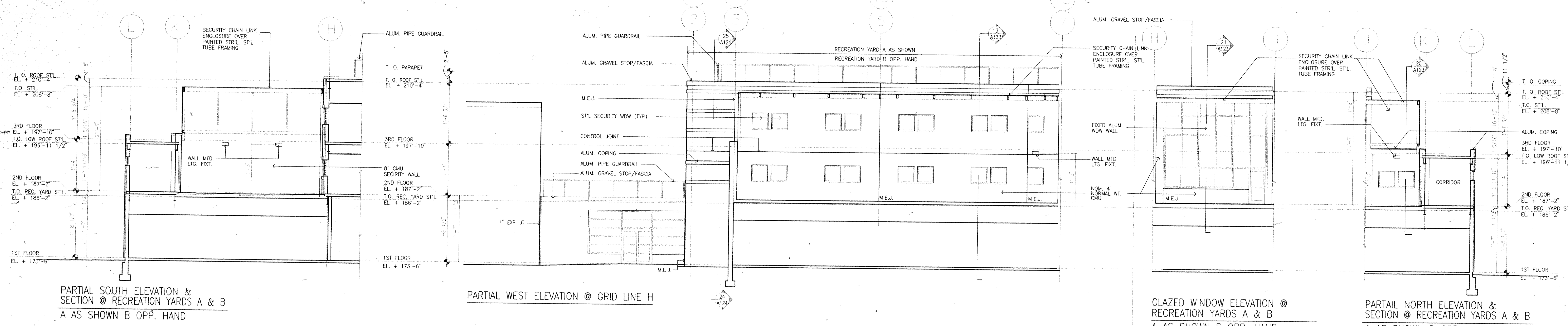
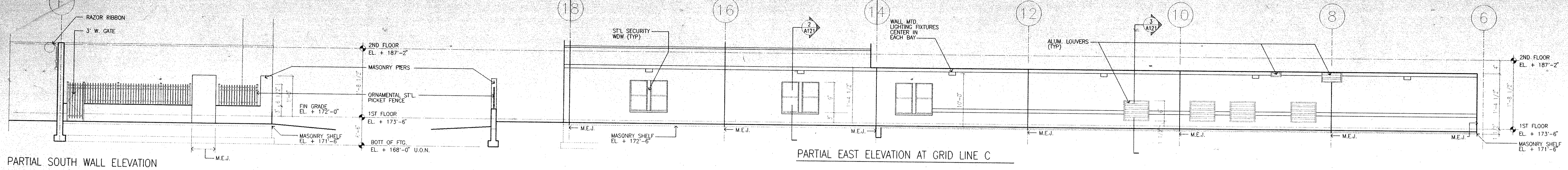
Architects Planners & Interior Designers
 Cruzen Samton
 304 Park Avenue South
 New York, NY 10010
 Fax 212/477-1257
 Tel 212/477-0900

Associated Architects
 Ricci Associates
 130 West 30th Street
 New York, NY 10001
 Fax 212/268-5897
 Tel 212/563-9154

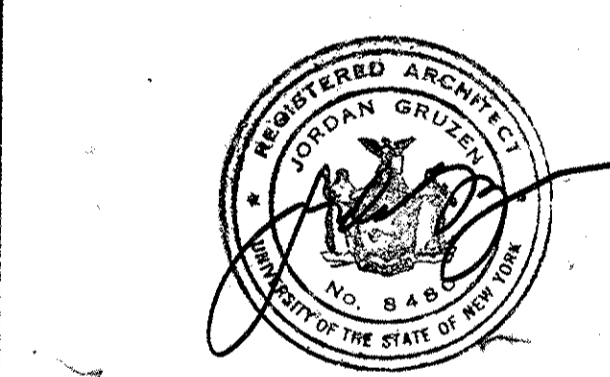
Structural Engineers
 DeSimone, Chapin & Dobryn P.C.
 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211

Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
 Fax 212/750-6425
 Tel 212/382-1800

Civil Engineers
 Paggi & Martin
 54-56 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0905
 Tel 914/471-7898

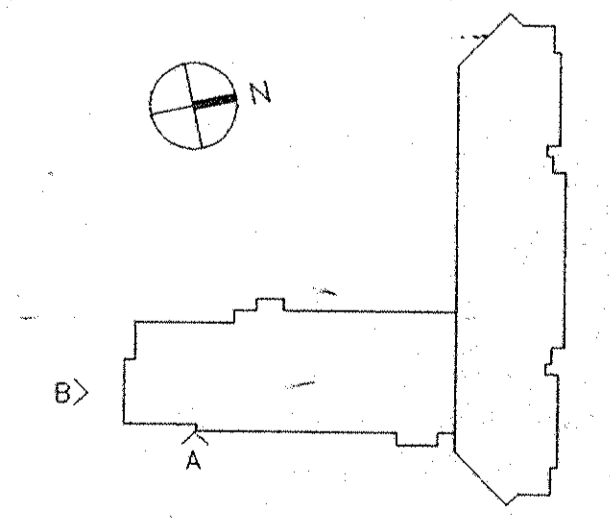


PARTIAL ELEVATION OF TYPICAL BAY
 MASONRY PATTERN
 SCALE: 1/4" = 1'-0"



No.	Date	Revision
3	08.05.94	C.M. GENERAL REVISION
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

Drawn By	Date
SBG	
Checked By	Date
RFG	08.04.94
Issue Date	5 AUGUST 1994
Scale	1/8" = 1'-0" U.Q.N.



Drawing Title
EXTERIOR WALL ELEVATIONS

CS Project No. 91-1298
 RA Project # 9301.90
 Drawing No.

A113

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
 Fax 914/431-1869
 Tel 914/431-2121

Construction Manager
 R.C.K./C.R.S.S.
 123 Kornhout Avenue
 P.O. Box 790
 Beacon, N.Y. 12508
 Fax 914/831-6071
 Tel 914/831-0943

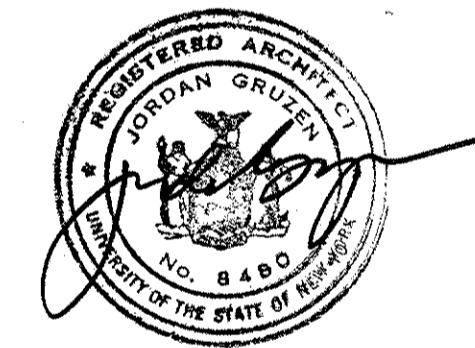
Architects Planners & Interior Designers
 Cruzen Samton
 304 Park Avenue South
 New York, NY 10010
 Fax 212/477-1257
 Tel 212/477-0900

Associated Architects
 Rice Associates
 130 West 30th Street
 New York, NY 10011
 Fax 212/268-5897
 Tel 212/563-9154

Structural Engineers
 DeSimone, Chaplin & Dobryn P.C.
 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211

Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y.
 Fax 212/730-6425
 Tel 212/382-1800

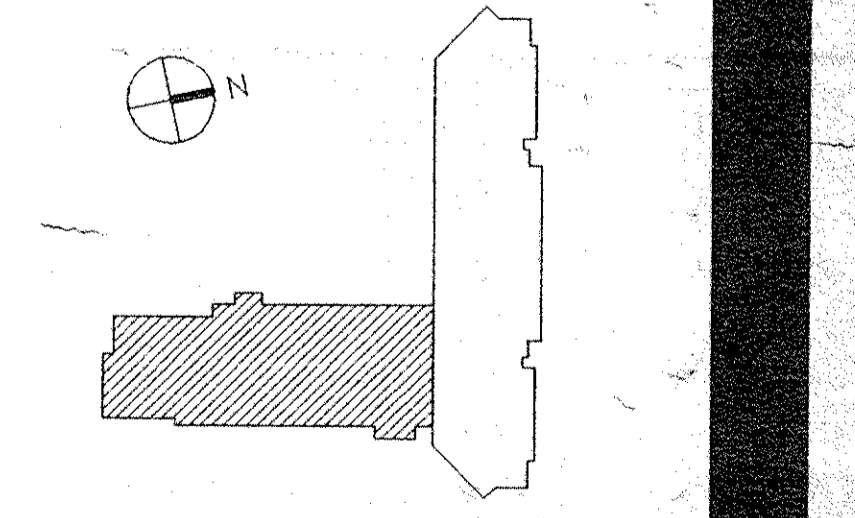
Civil Engineers
 Pappas & Martin
 54-56 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0905
 Tel 914/471-7898



No.	Date	Revision
4	08.05.94	GENERAL REVISIONS
3	04.29.94	BID ISSUE
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

Drawn By: [Signature] Date: 12.17.93
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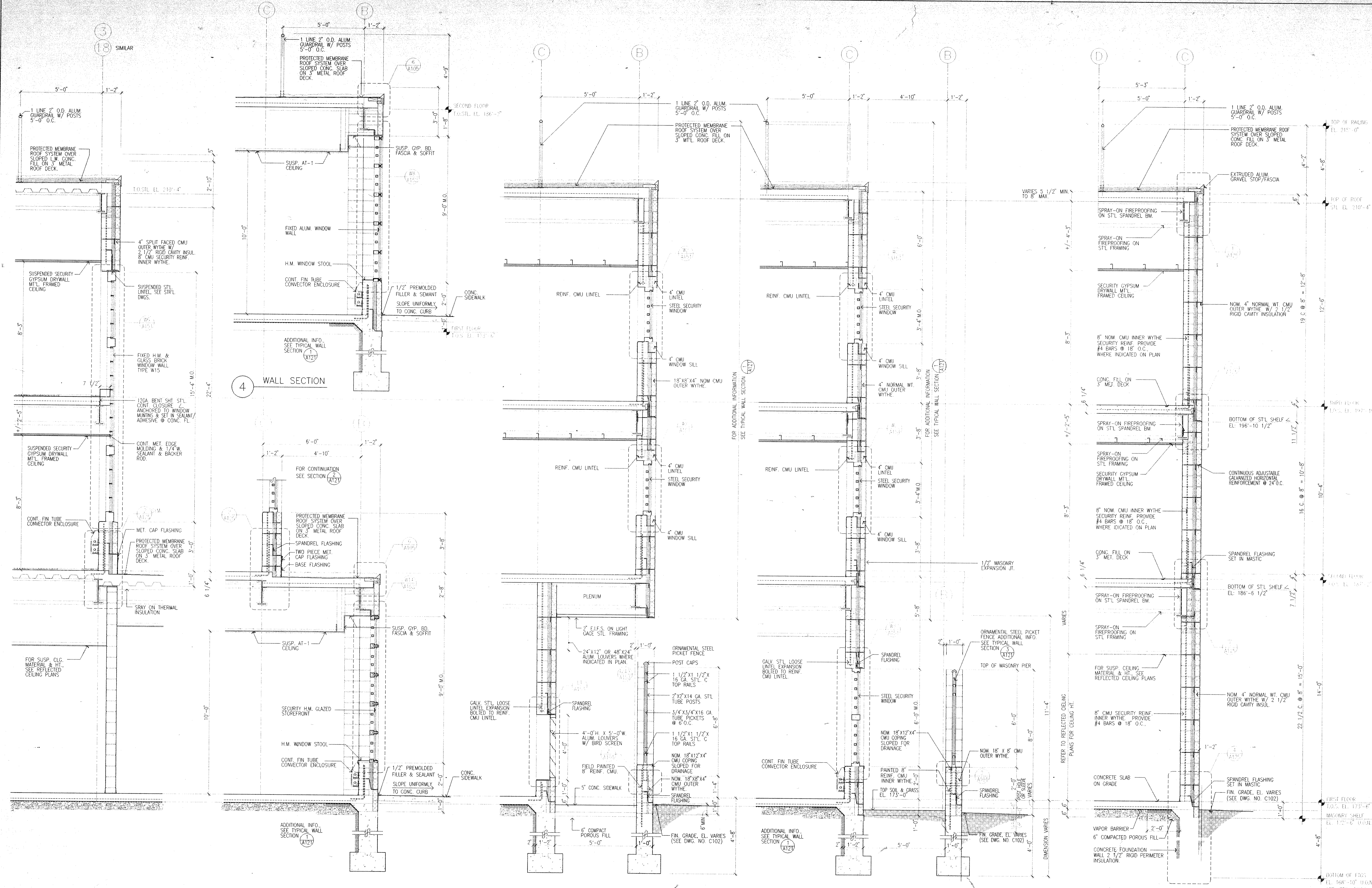
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Drawing Title
EXTERIOR WALL SECTIONS 1 TO 6

GS Project No. 91-1286
 RA Project # 9801.00
 Drawing No.

A121



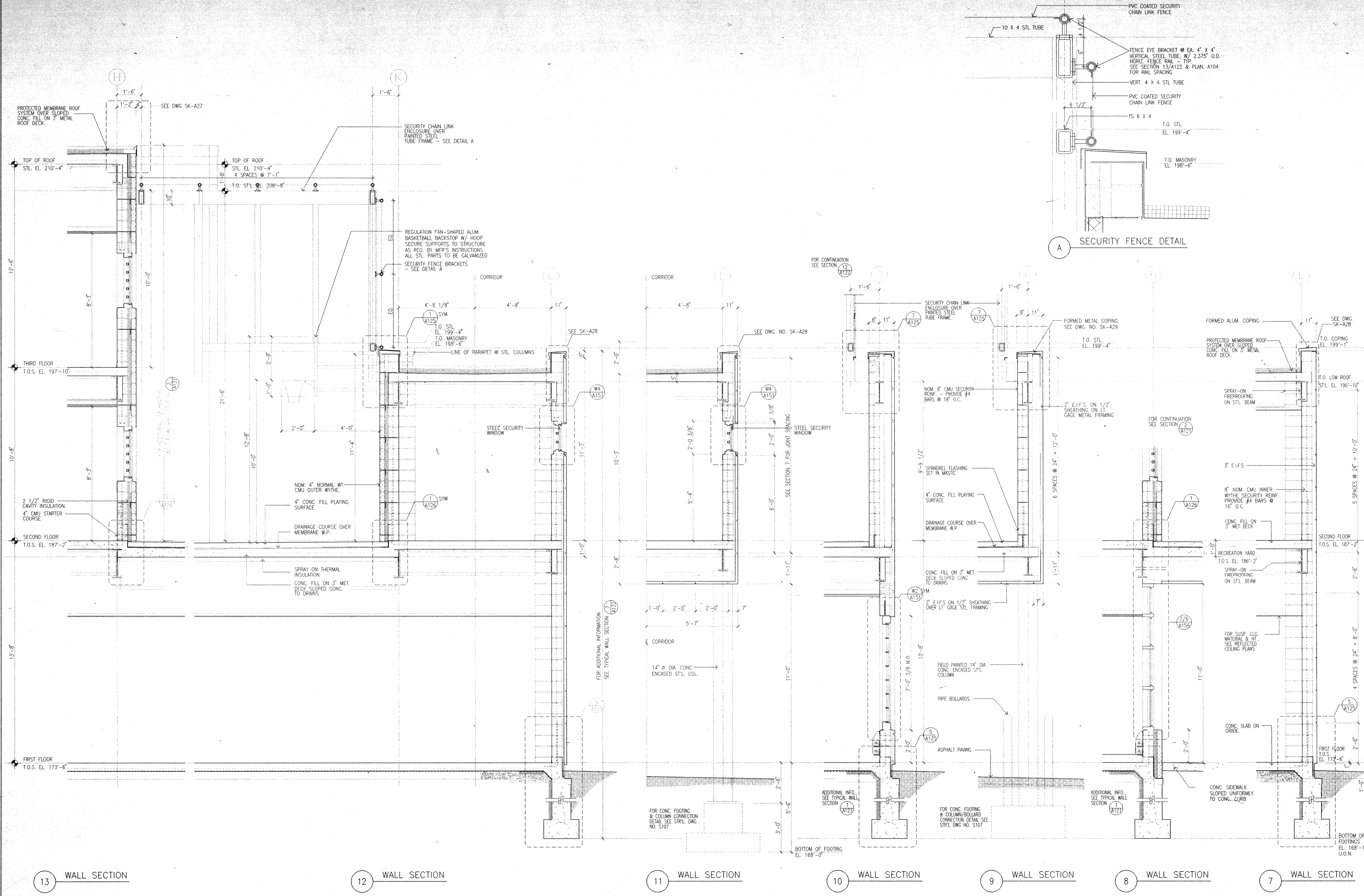
6 WALL SECTION

5 WALL SECTION

3 WALL SECTION

2 WALL SECTION

1 TYPICAL WALL SECTION



Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602
 Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
 Fax 914/431-1869
 Tel 914/431-2121
 Construction Manager
 R.C.K./C.R.S.S.
 123 Rombout Avenue
 P.O. Box 790
 Beacon, N.Y. 12508
 Fax 914/831-6071
 Tel 914/831-0943

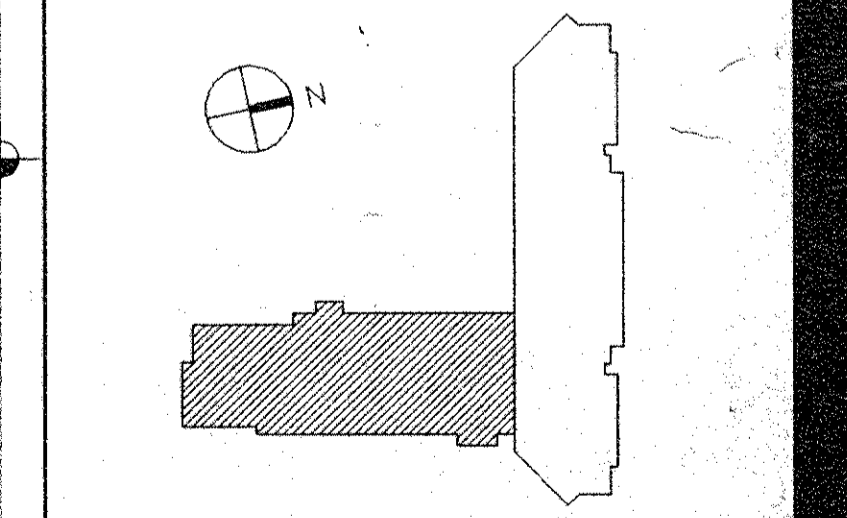
Architects Planners & Interior Designers
 Cruzen Samton
 304 Park Avenue South
 New York, NY 10010
 Fax 212/477-1257
 Tel 212/477-0900
Associated Architects
 Ricci Associates
 130 West 30th Street
 New York, NY 10001
 Fax 212/268-5897
 Tel 212/563-9154
Structural Engineers
 DeSimone, Chapin & Dobryn P.C.
 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211
Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
 Fax 212/330-6425
 Tel 212/382-1800
Civil Engineers
 Paggs & Martin
 54-56 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0905
 Tel 914/471-7898



No.	Date	Revision
5	09.09.94	ADDENDUM 9.2
4	08.05.94	GENERAL REVISIONS
3	04.29.94	BID ISSUE
2	03.31.94	C.M. REVIEW ISSUE
1		NOT ISSUED

No.	Date	Revision

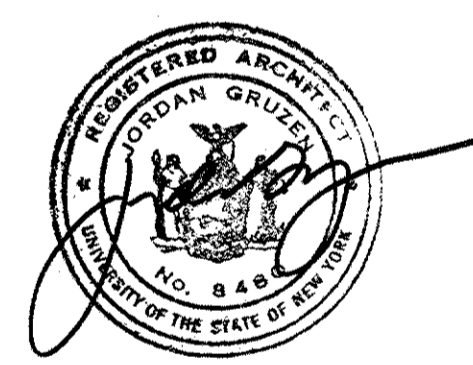
Drawn By _____ Date _____
 Checked By _____ Date _____
 Issue Date _____
 Scale 1/2" = 1'-0"
 Key Plan



Drawing Title
EXTERIOR WALL SECTIONS 7 TO 13

GS Project No. 91-1286
 SA Project # 99501.00
 Drawing No. **A122**

GENERAL NOTE:
 FOR ADDITIONAL INFORMATION
 SEE TYPICAL WALL SECTION (A121)



No.	Date	Revision
5	09.09.94	ADDENDUM 9.2
4	08.05.94	GENERAL REVISIONS
3	04.29.94	BID ISSUE
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

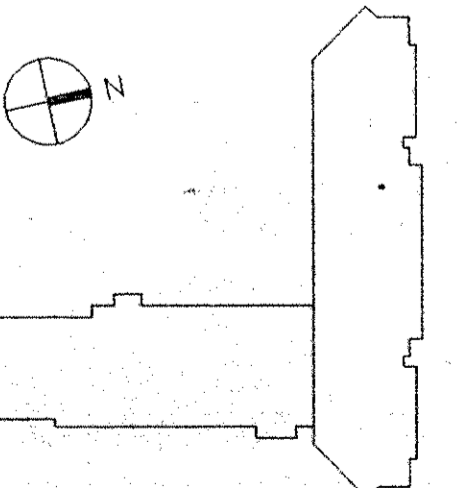
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Checked By _____ Date _____

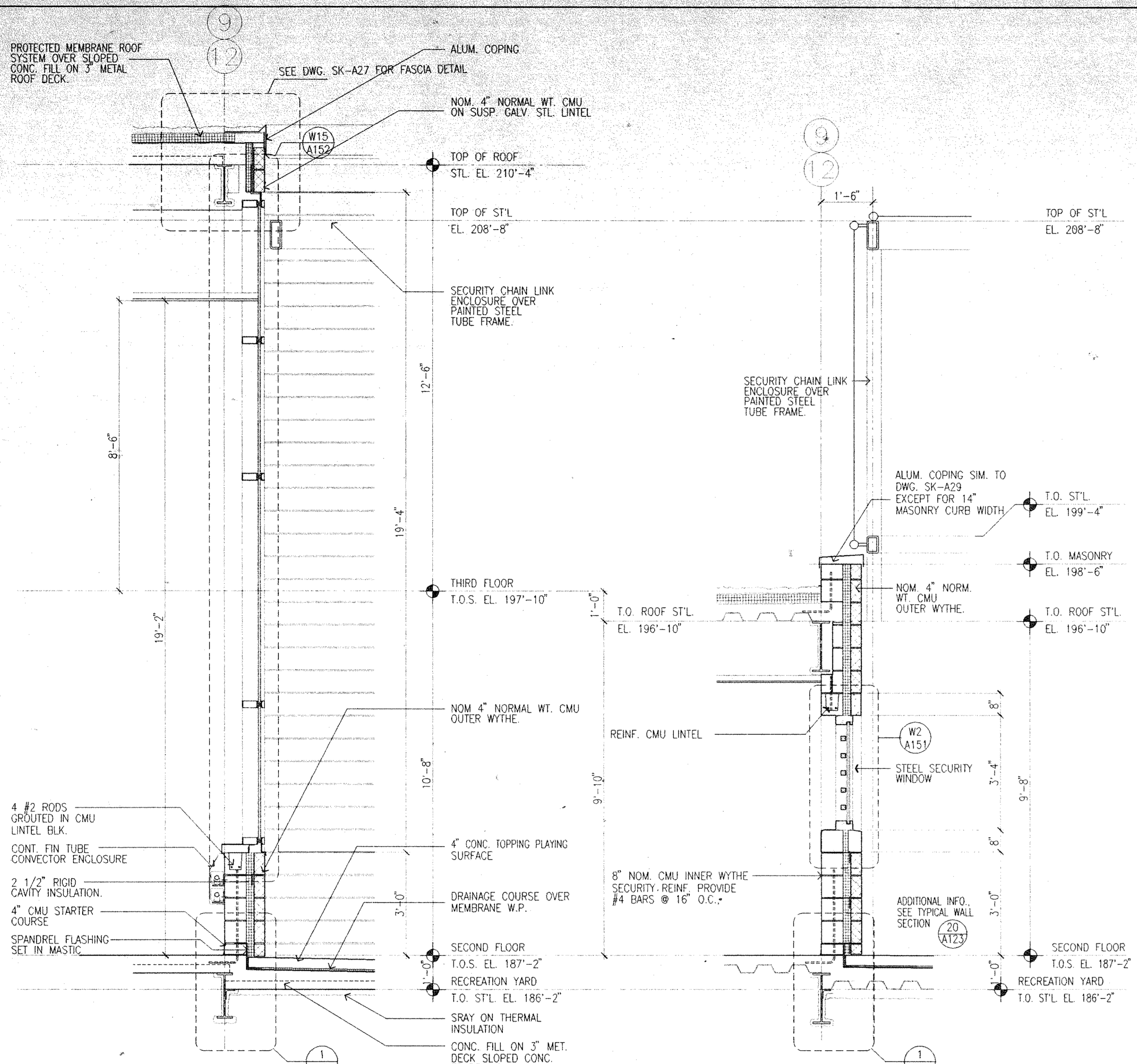
Issue Date _____

Scale
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Key Plan

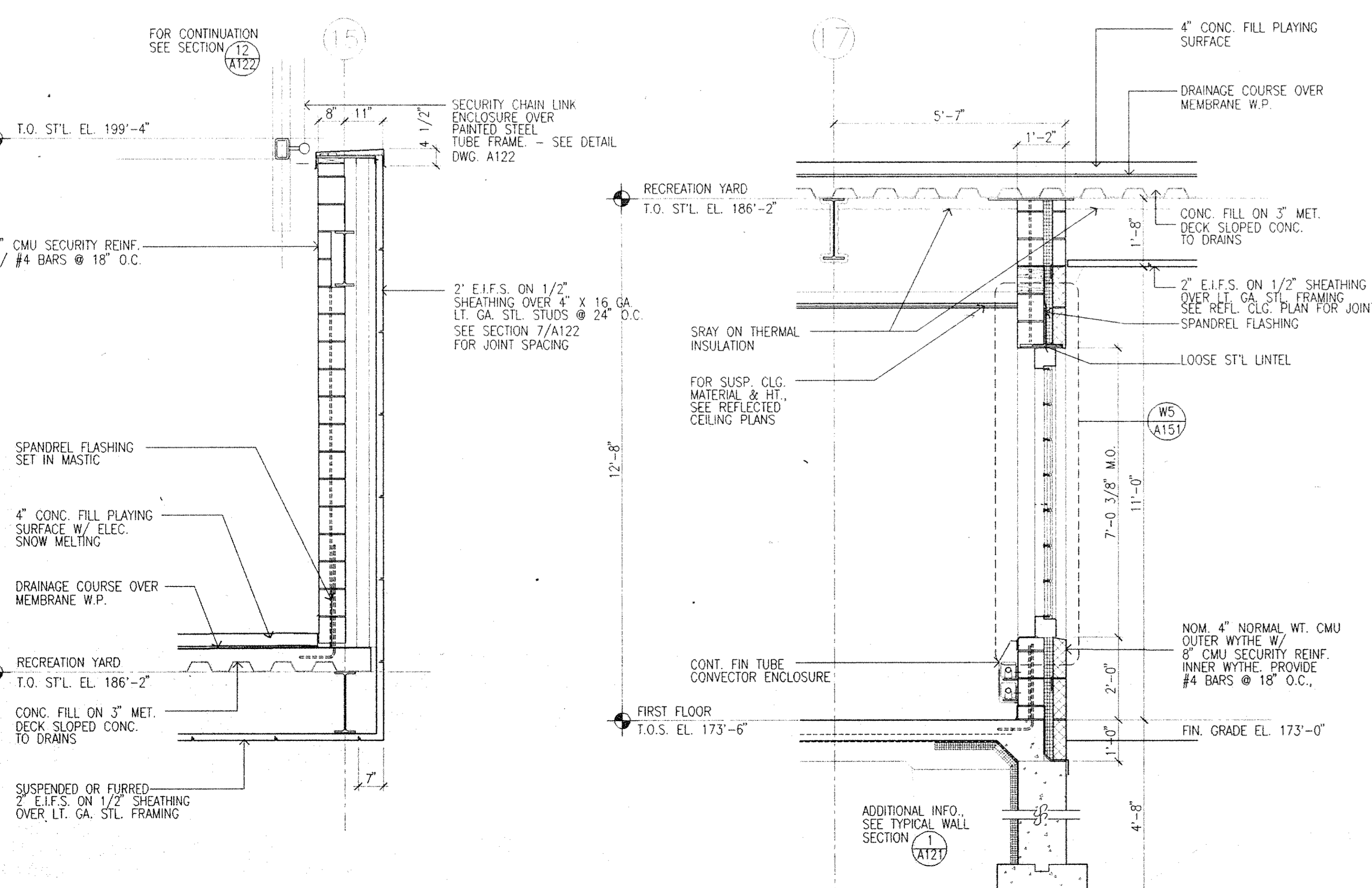


Drawing Title
EXTERIOR WALL SECTIONS 14 TO 21



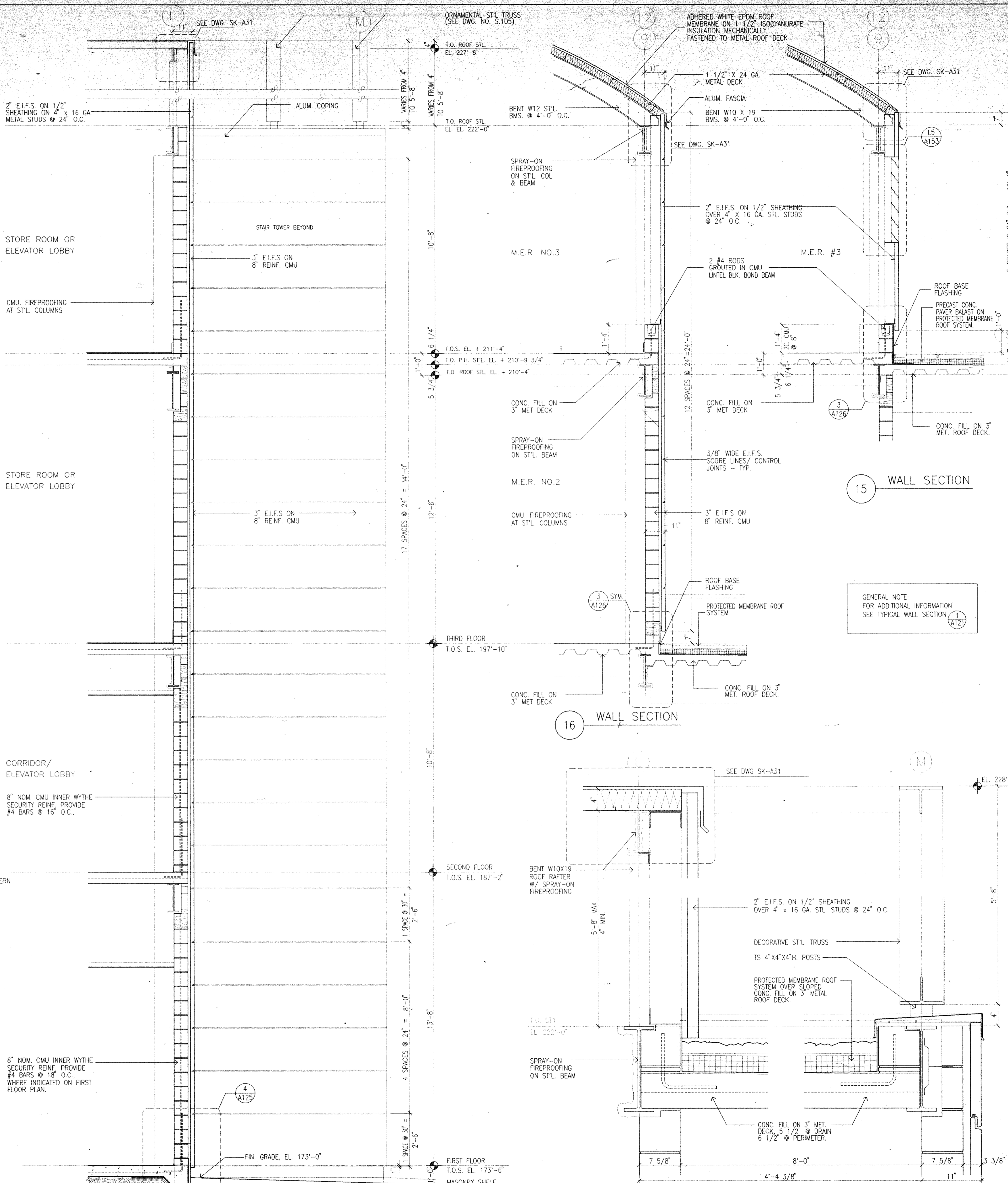
21 WALL SECTION

20 WALL SECTION



19 WALL SECTION

18 WALL SECTION



17 WALL SECTION

16 WALL SECTION

15 WALL SECTION

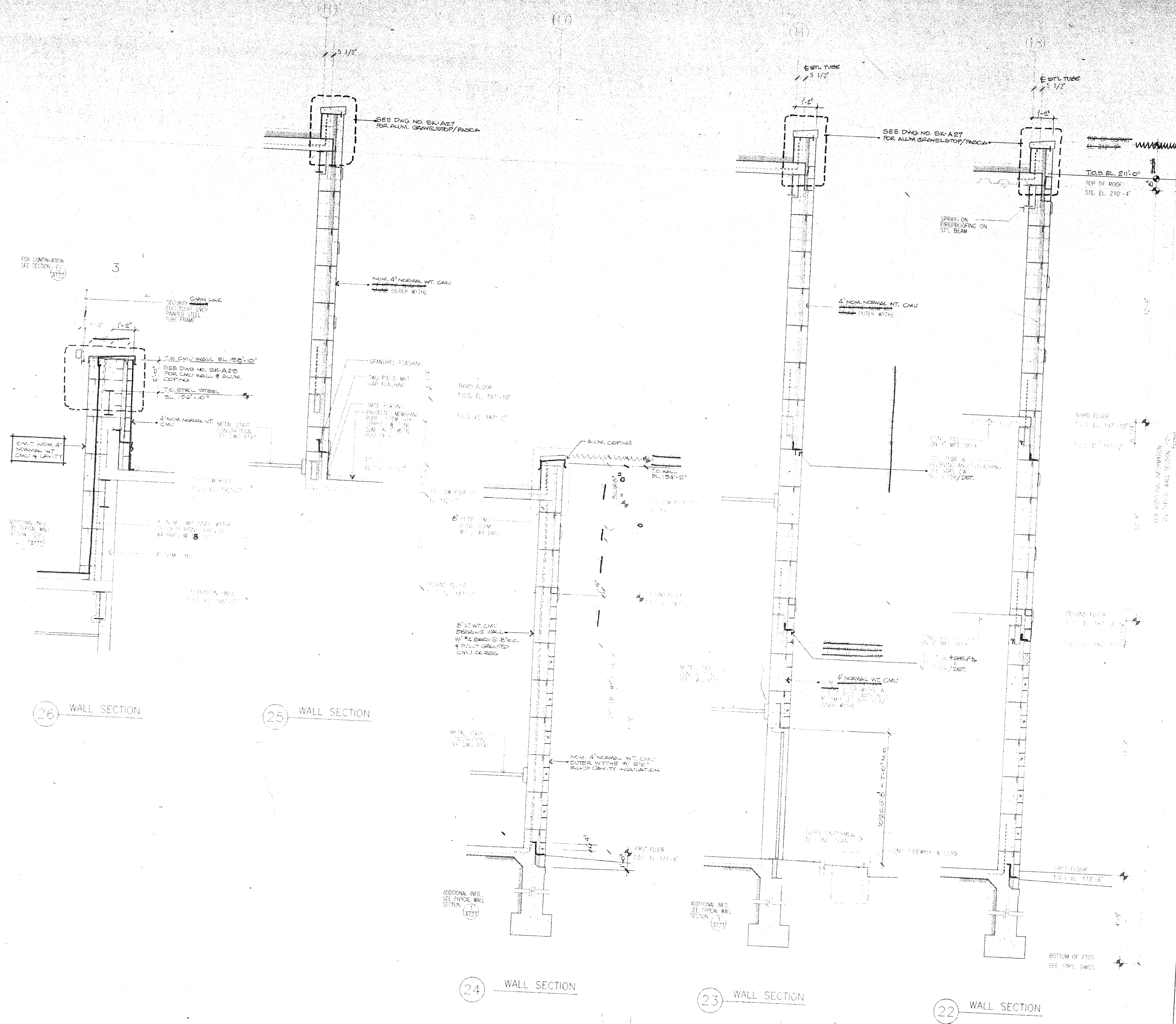
14 WALL SECTION

GENERAL NOTE:
FOR ADDITIONAL INFORMATION
SEE TYPICAL WALL SECTION (A121)

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
 Fax: 914/431-1869
 Tel: 914/431-2121

Construction Manager
 R.C. & G.R.S.S.
 123 Roundabout Avenue
 P.O. Box 790
 Beacon, N.Y. 12508
 Fax: 914/831-6071
 Tel: 914/831-0943



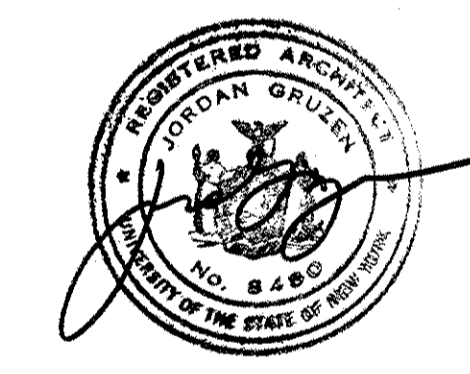
Architects Planners & Interior Designers
 Gruzen Samton
 301 Park Avenue South
 New York, NY 10010
 Fax 212/477-1257
 Tel 212/477-0900

Associated Architects
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Civil Engineers
 Paggi & Martin
 54-56 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0905
 Tel 914/471-7898



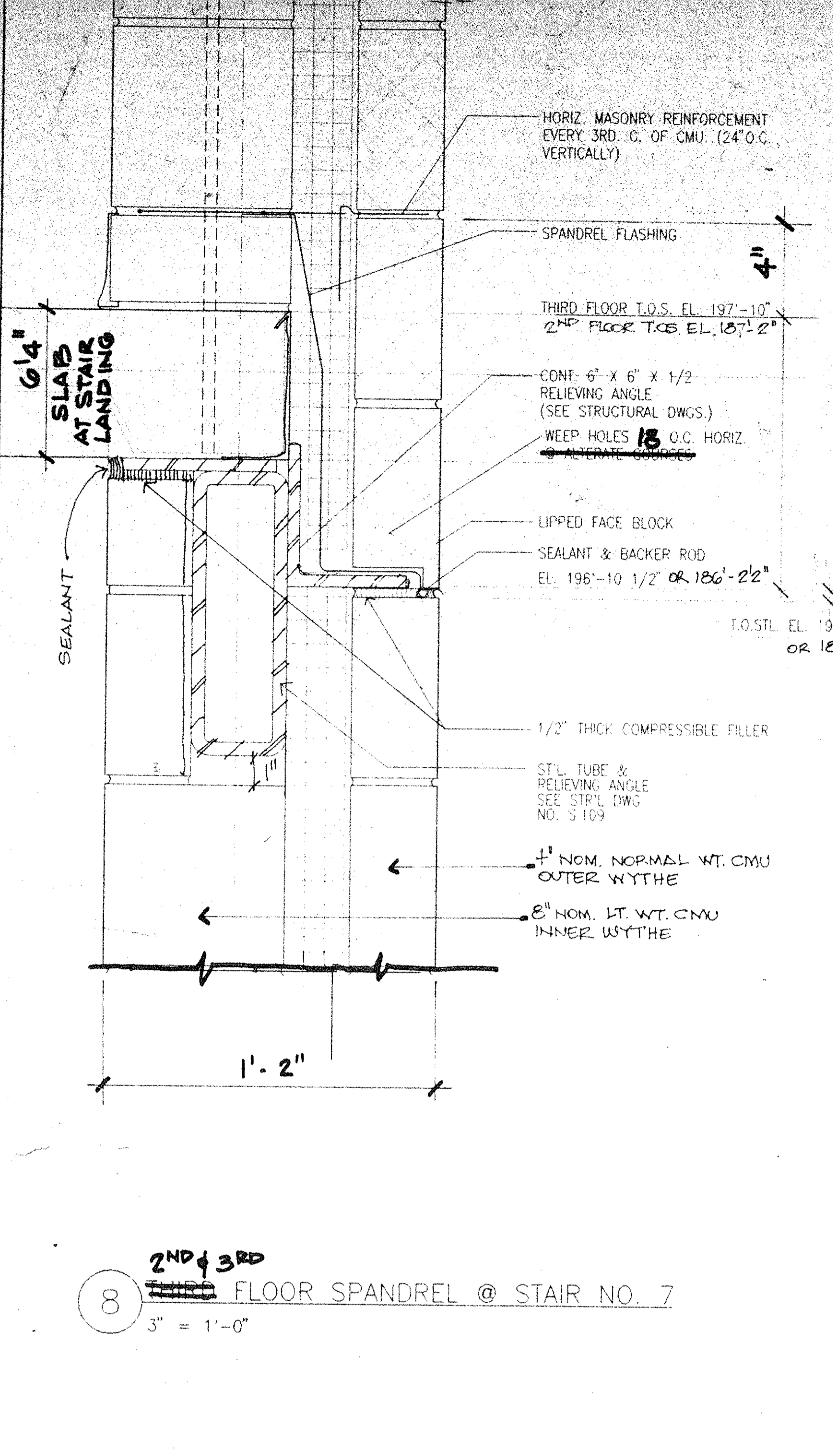
No.	Date	Revision
1	02/15/94	GENERAL RESUBMITTAL
2	04/24/94	REV. ISSUE
3	03/21/94	COM. REVIEW ISSUE
4	03/21/94	COST ESTIMATE ISSUE

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 Checked By: [Signature] Date: [Blank]
 Issue Date: 03/18/94
 Scale: 1/2" = 1'-0"
 Key Plan: [Diagram]

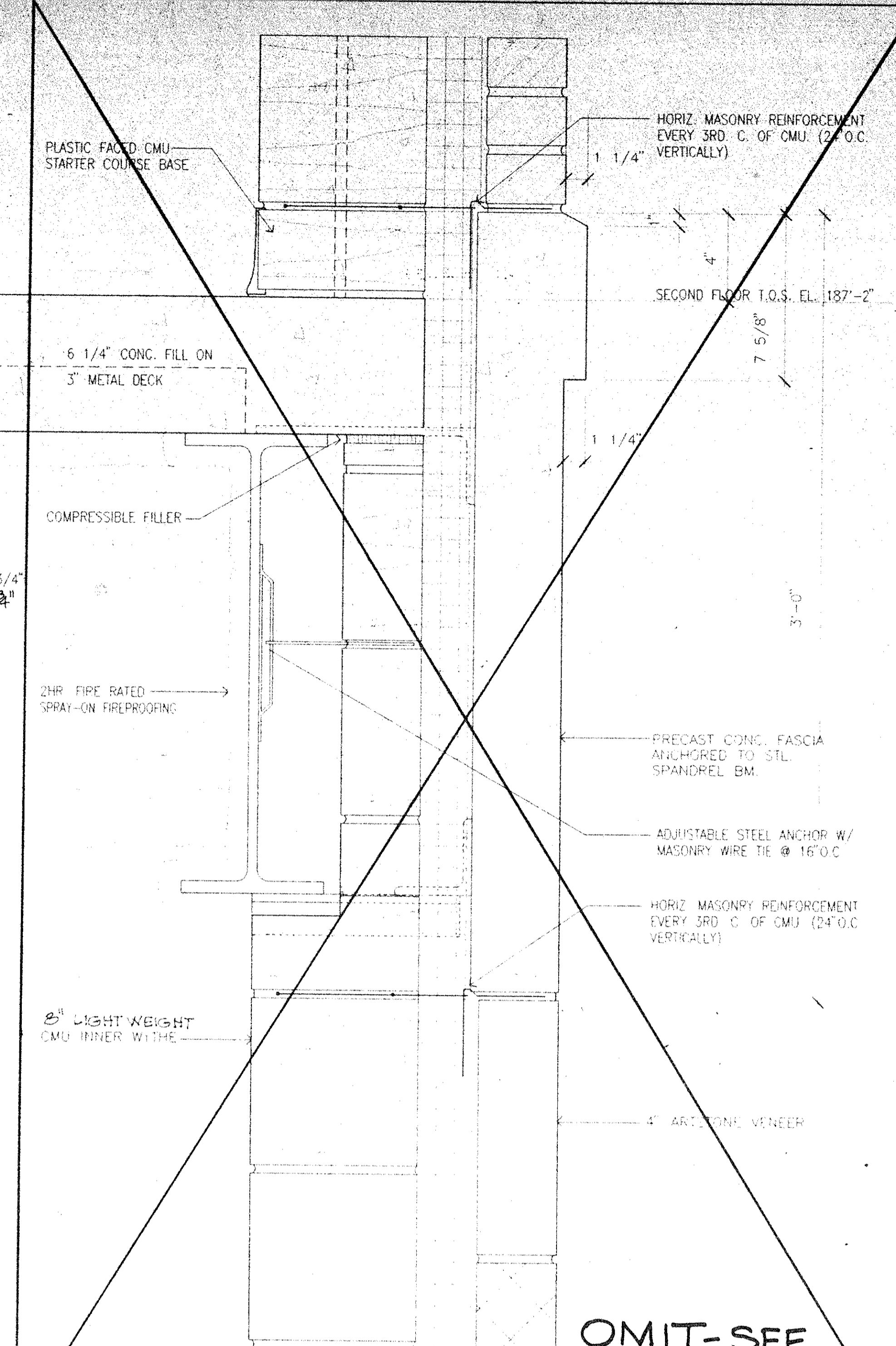
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EXTERIOR WALL SECTIONS 22 TO 26

GENERAL NOTE:
 FOR ADDITIONAL INFORMATION
 SEE TYPICAL WALL SECTION

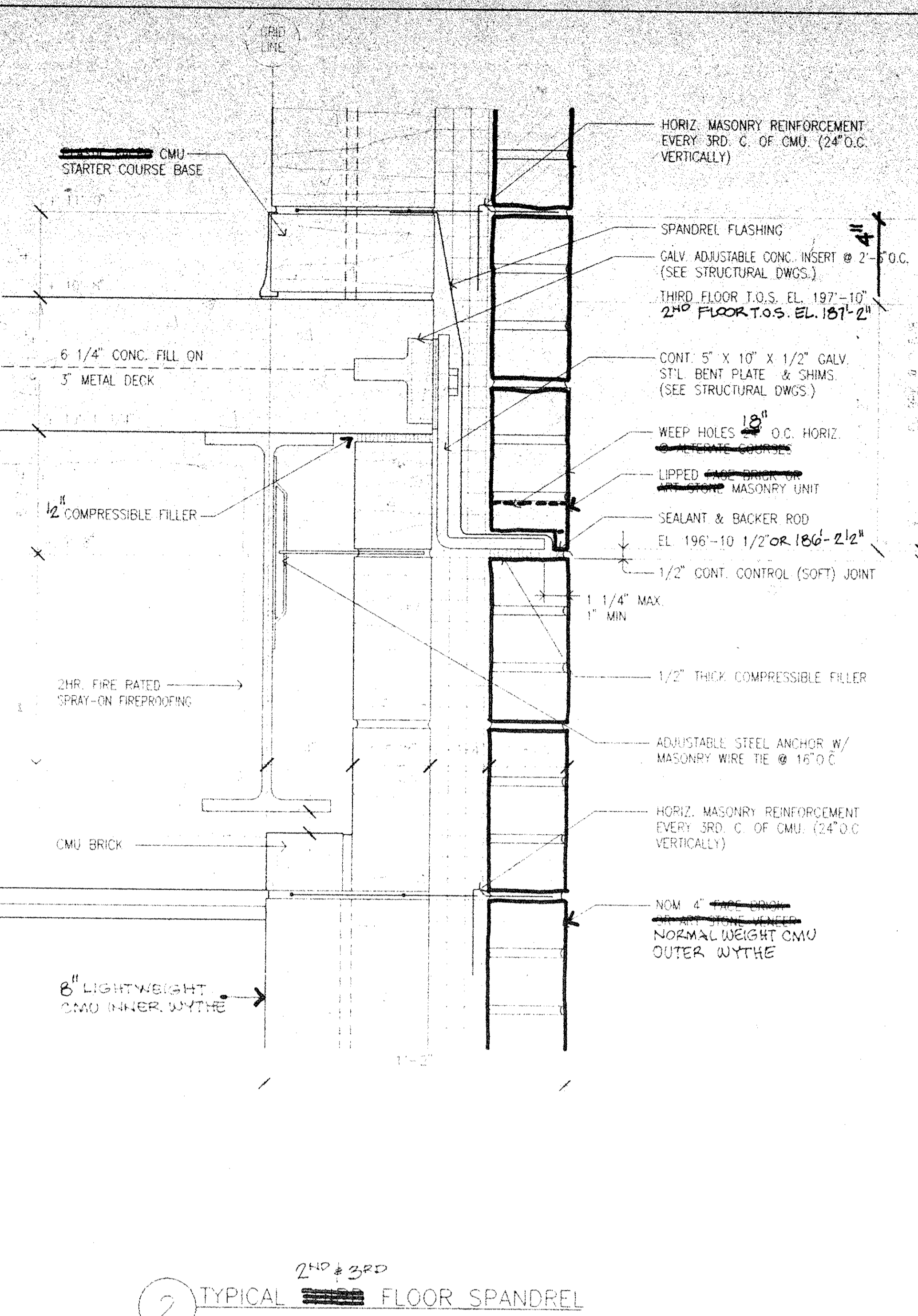
Project No. 91-1280
 RA Project # 8804162
 Drawing No. **A124**



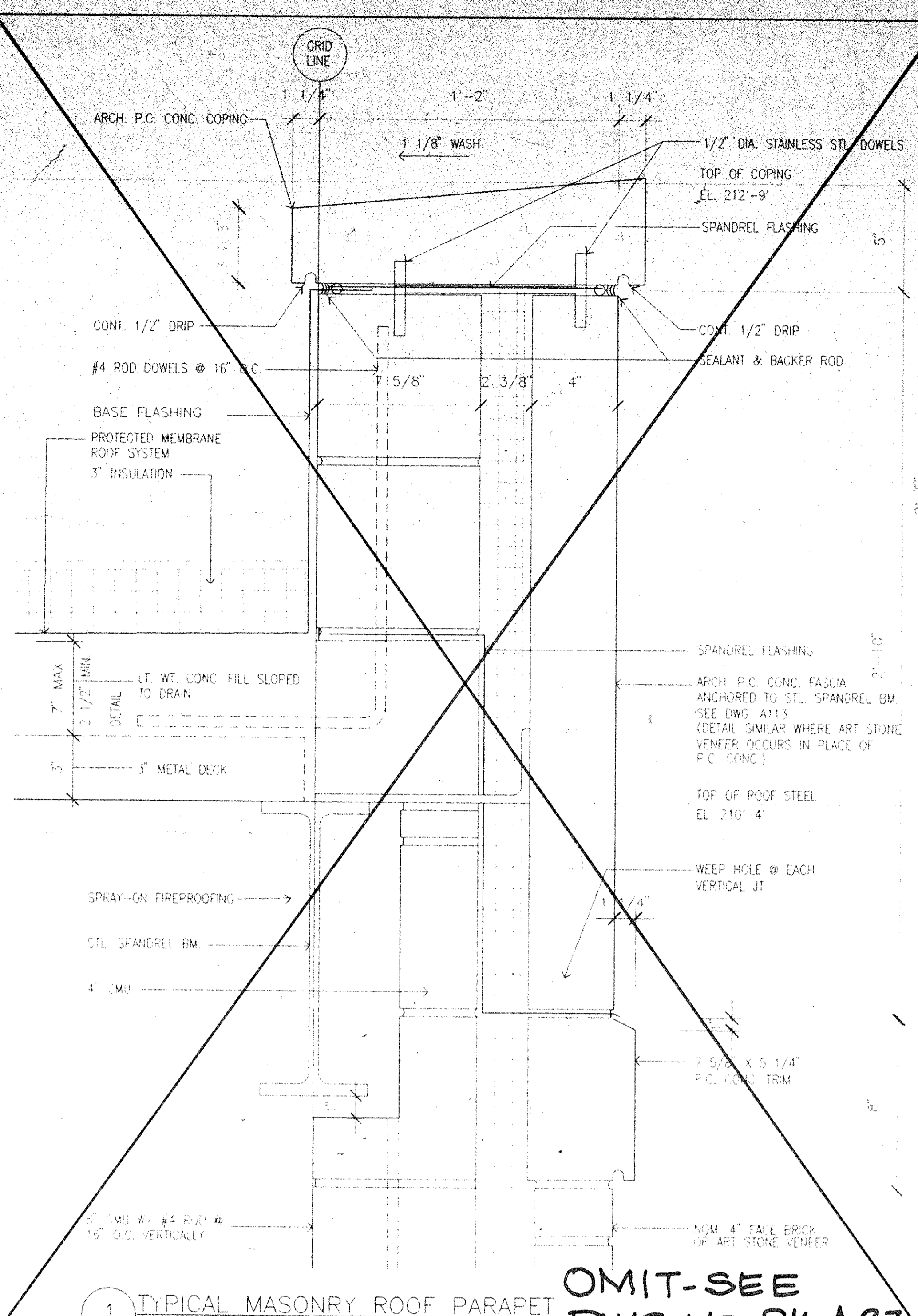
8 2ND & 3RD FLOOR SPANDREL @ STAIR NO. 7
 3" = 1'-0"



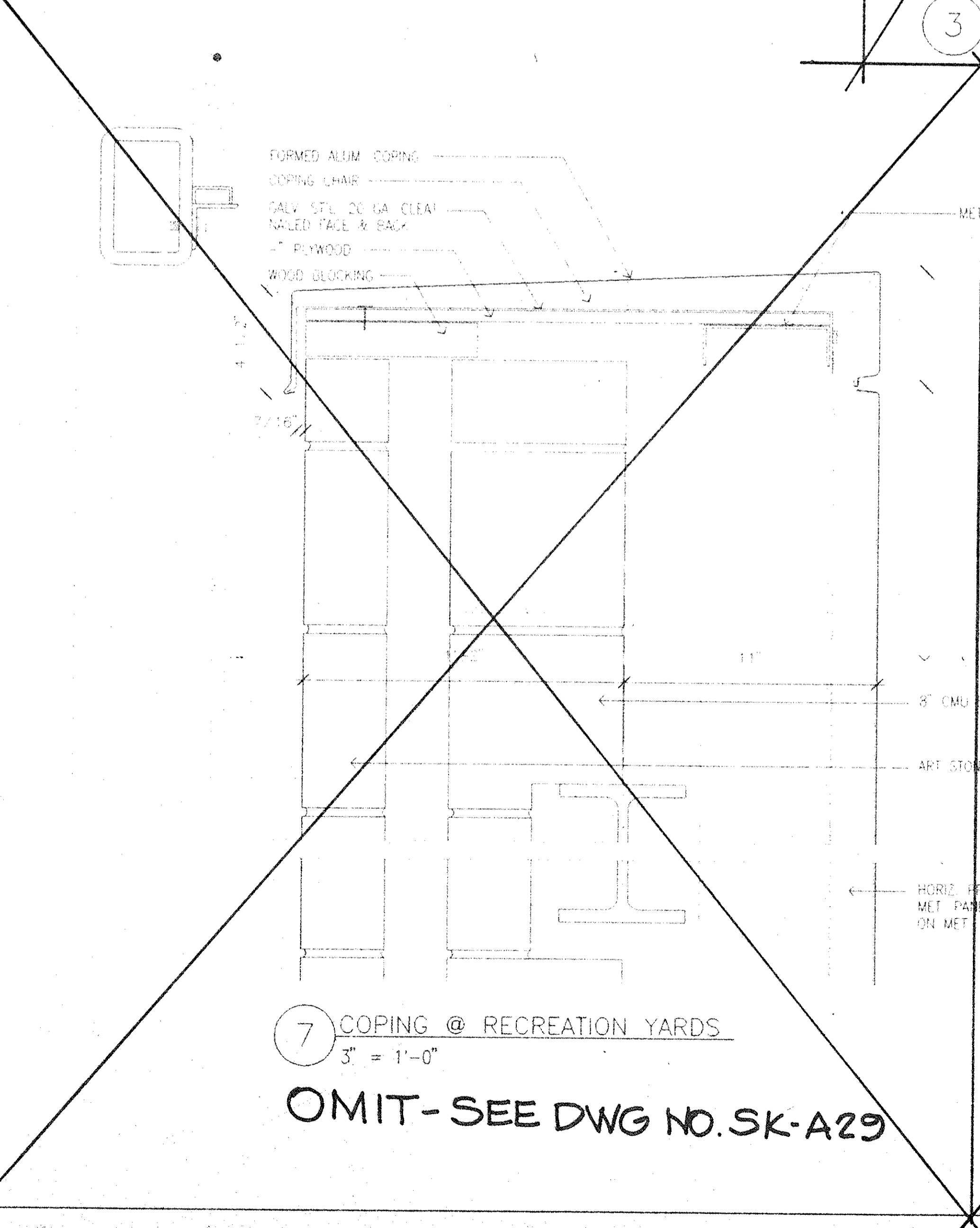
3 TYPICAL SECOND FLOOR SPANDREL
 3" = 1'-0"



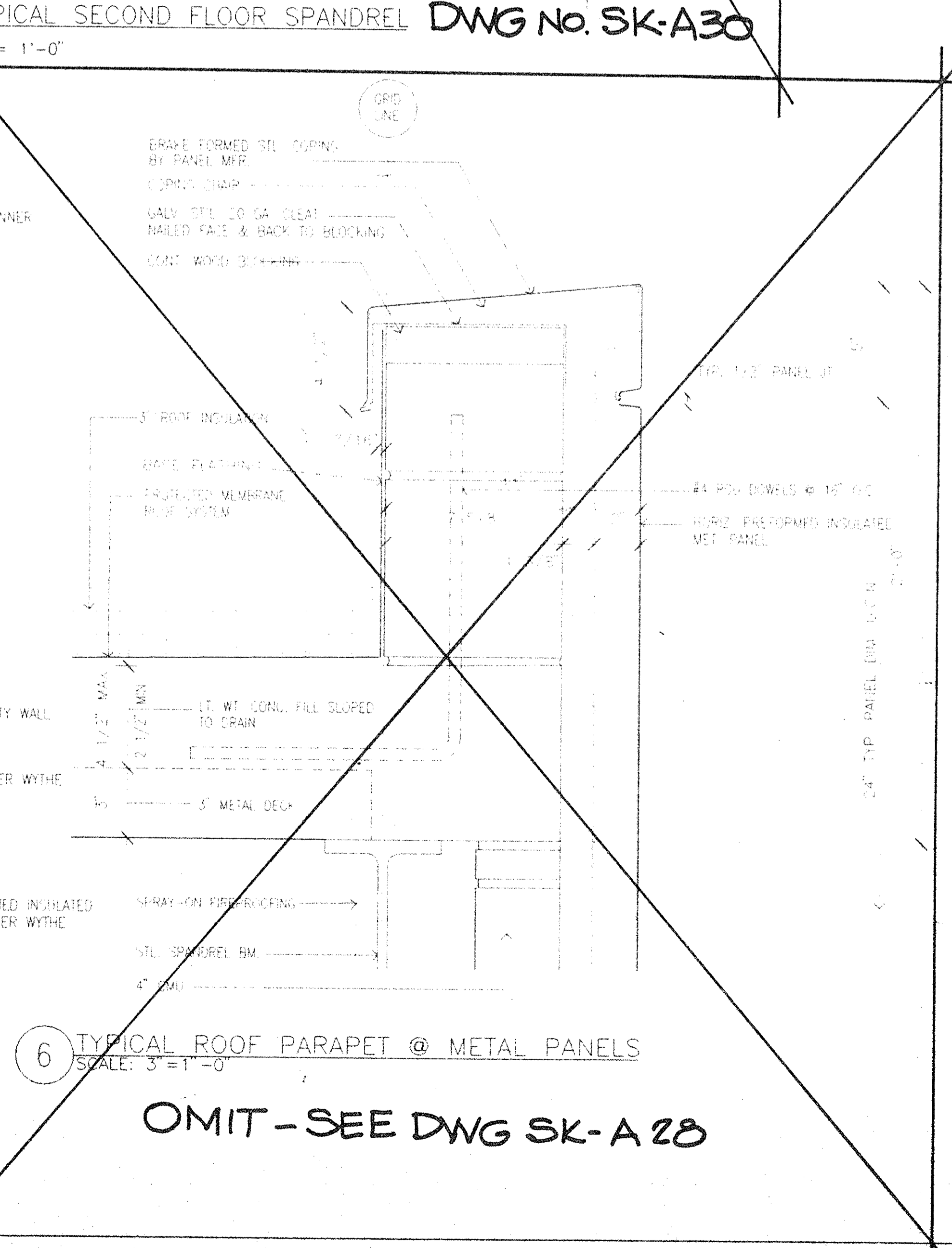
2 TYPICAL 2ND & 3RD FLOOR SPANDREL
 3" = 1'-0"



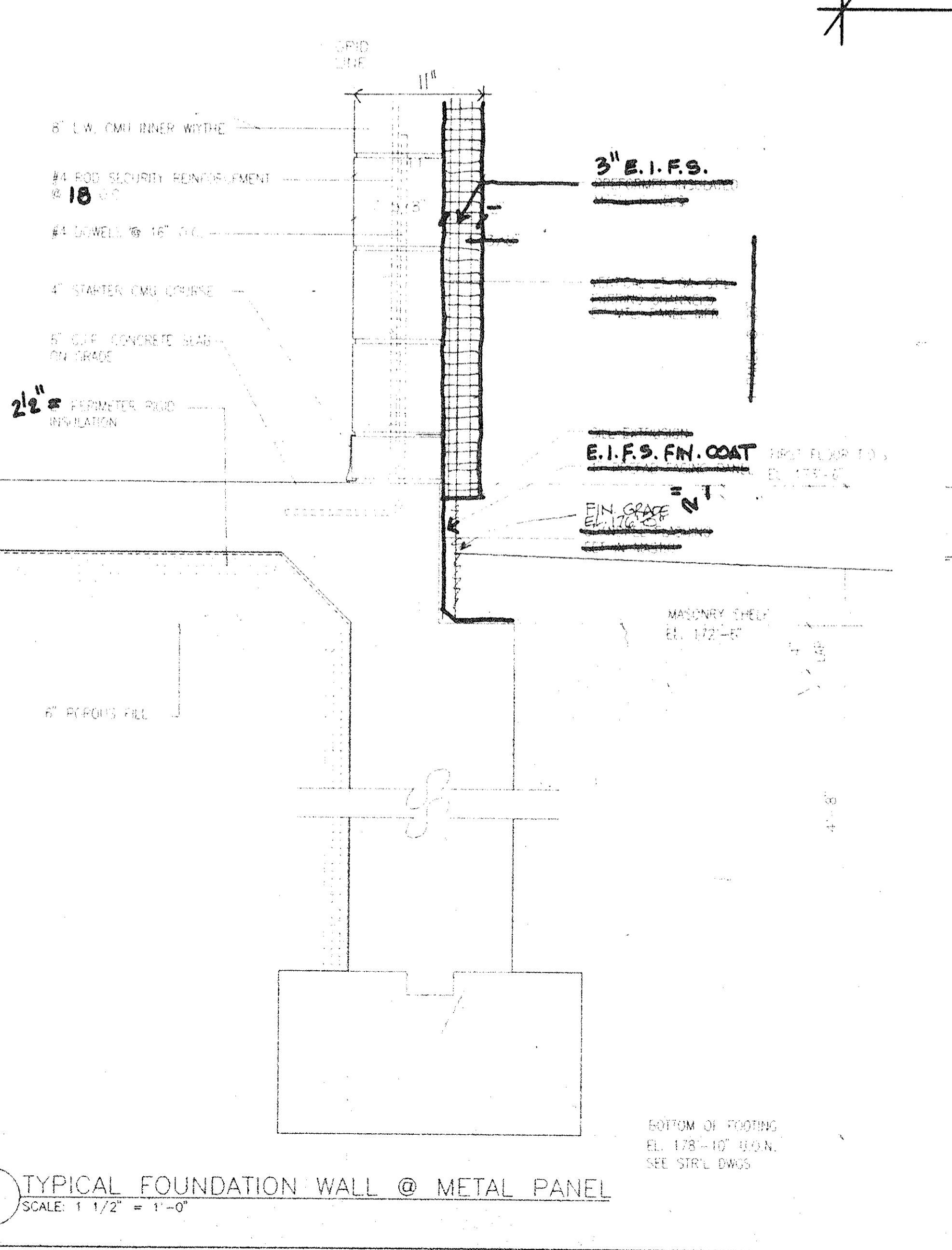
1 TYPICAL MASONRY ROOF PARAPET
 SCALE: 3" = 1'-0"



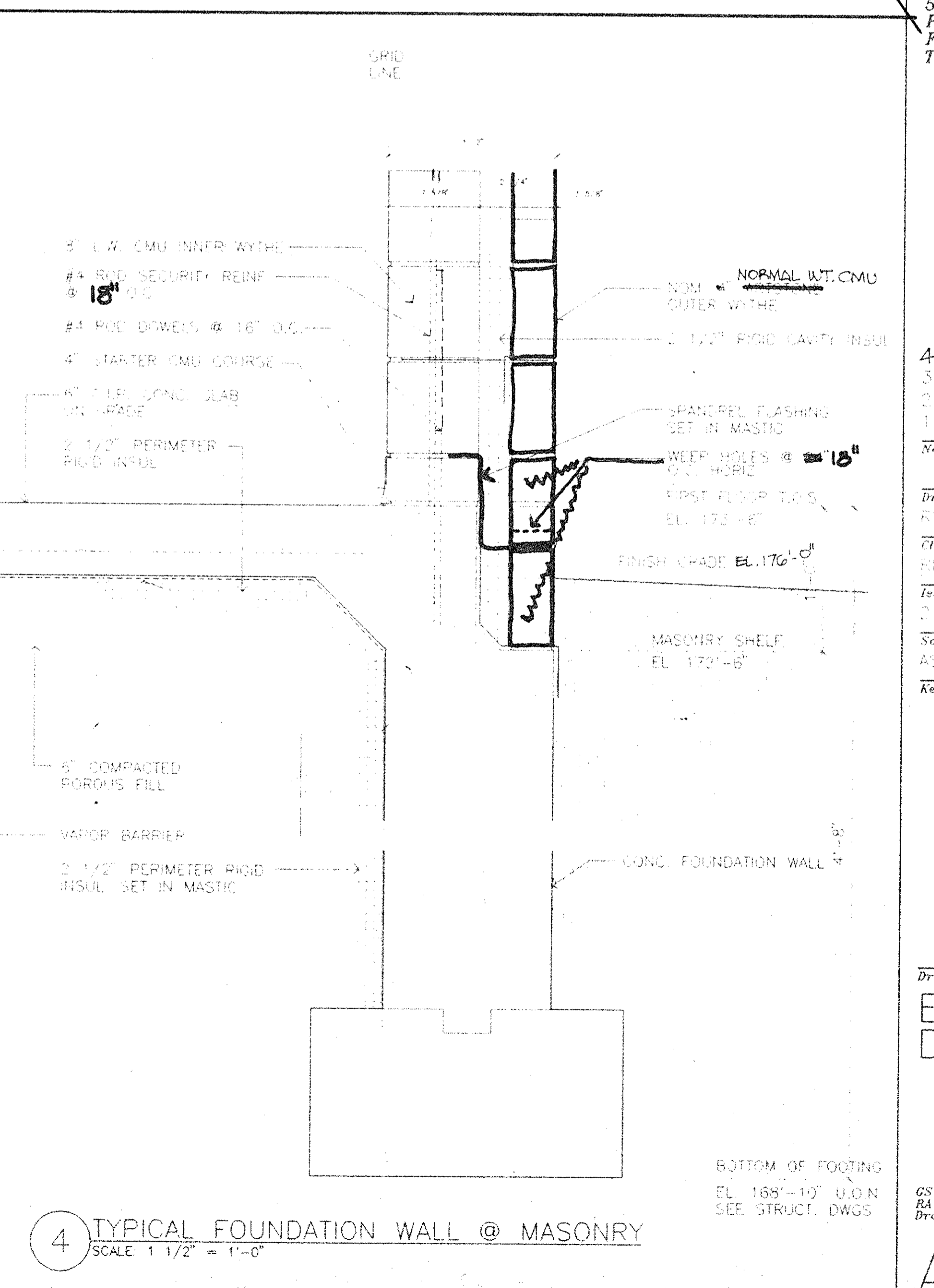
7 COPING @ RECREATION YARDS
 3" = 1'-0"



6 TYPICAL ROOF PARAPET @ METAL PANELS
 SCALE: 3" = 1'-0"



5 TYPICAL FOUNDATION WALL @ METAL PANEL
 SCALE: 1 1/2" = 1'-0"



4 TYPICAL FOUNDATION WALL @ MASONRY
 SCALE: 1 1/2" = 1'-0"

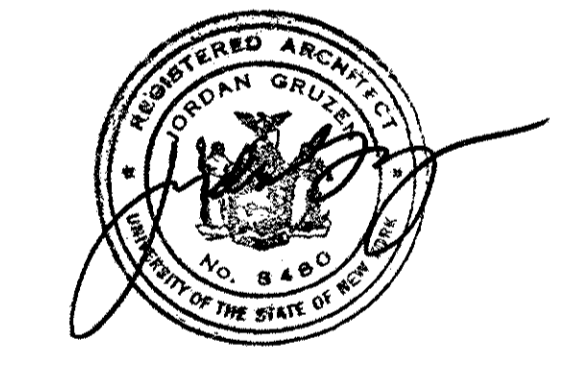
Architects Planners & Interior Designers
 Craven Stanton
 304 Park Avenue South
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 Tel 212/477-0900

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Structural Engineers
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 New York, NY 10010
 Fax 212/481-6108
 Tel 212/382-2211

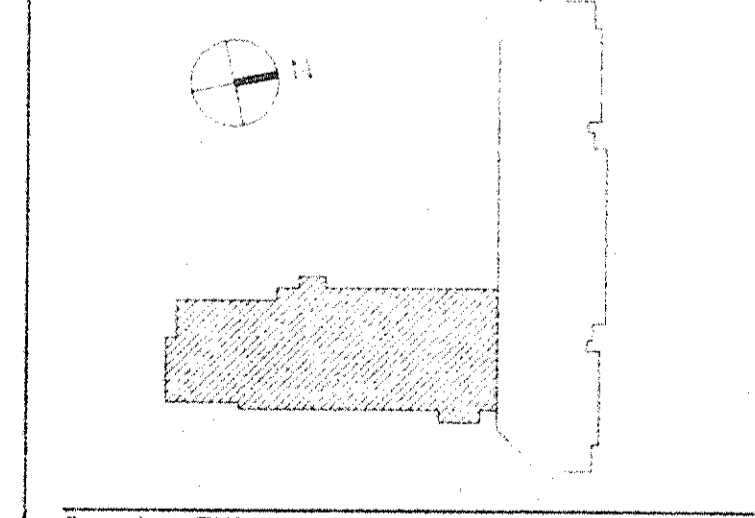
Mechanical/Electrical Engineers
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 1450 Broadway
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 Fax 212/730-6425
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Civil Engineers
 Foggi & Martin
 54-56 Main Street
 Poughkeepsie, New York 12601
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 Tel 914/471-7898

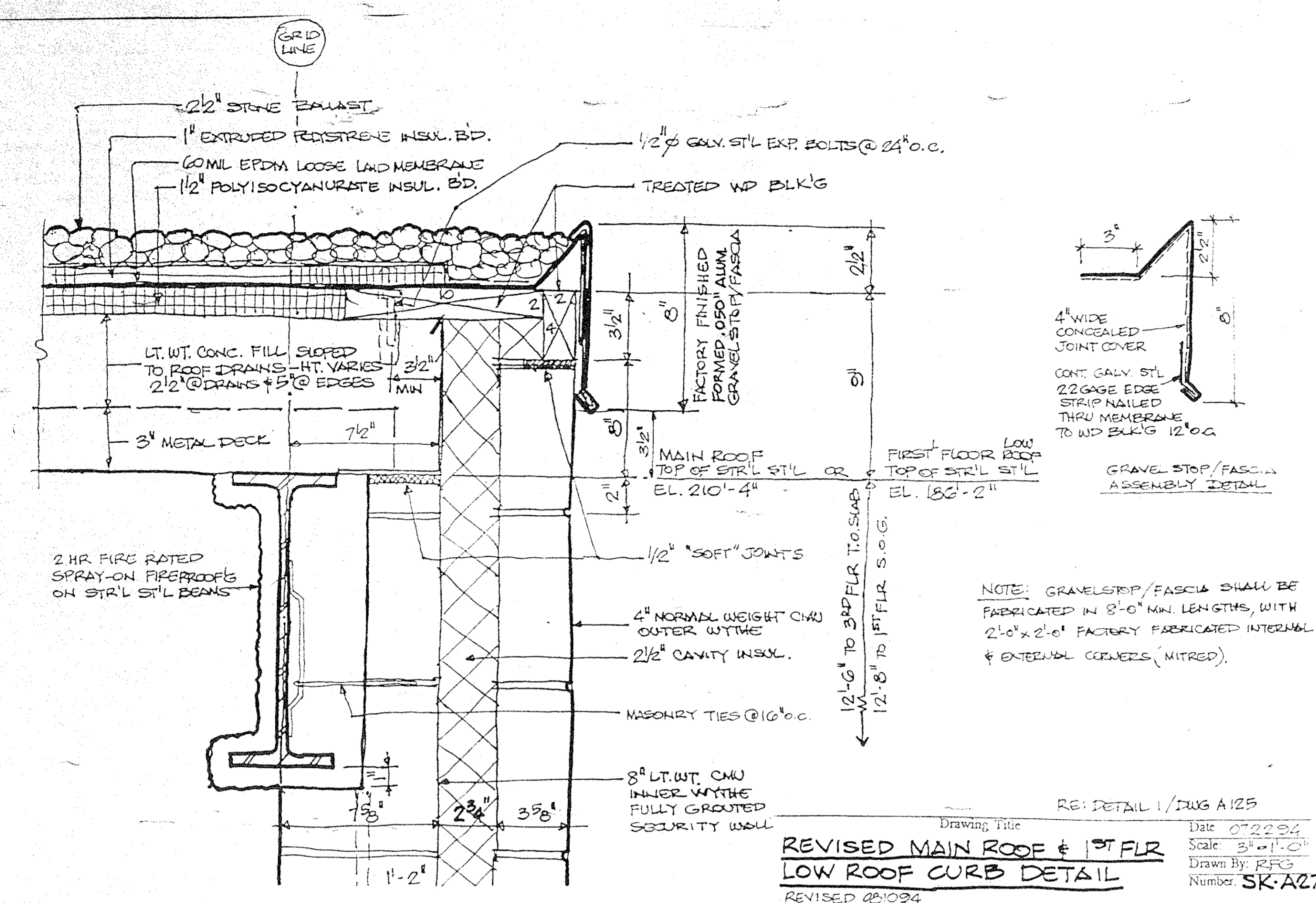


4 03.05.94 GENERAL REVISIONS
 3 04.29.94 BID ISSUE
 2 03.31.94 CM REVIEW ISSUE
 1 03.21.94 COST ESTIMATE ISSUE

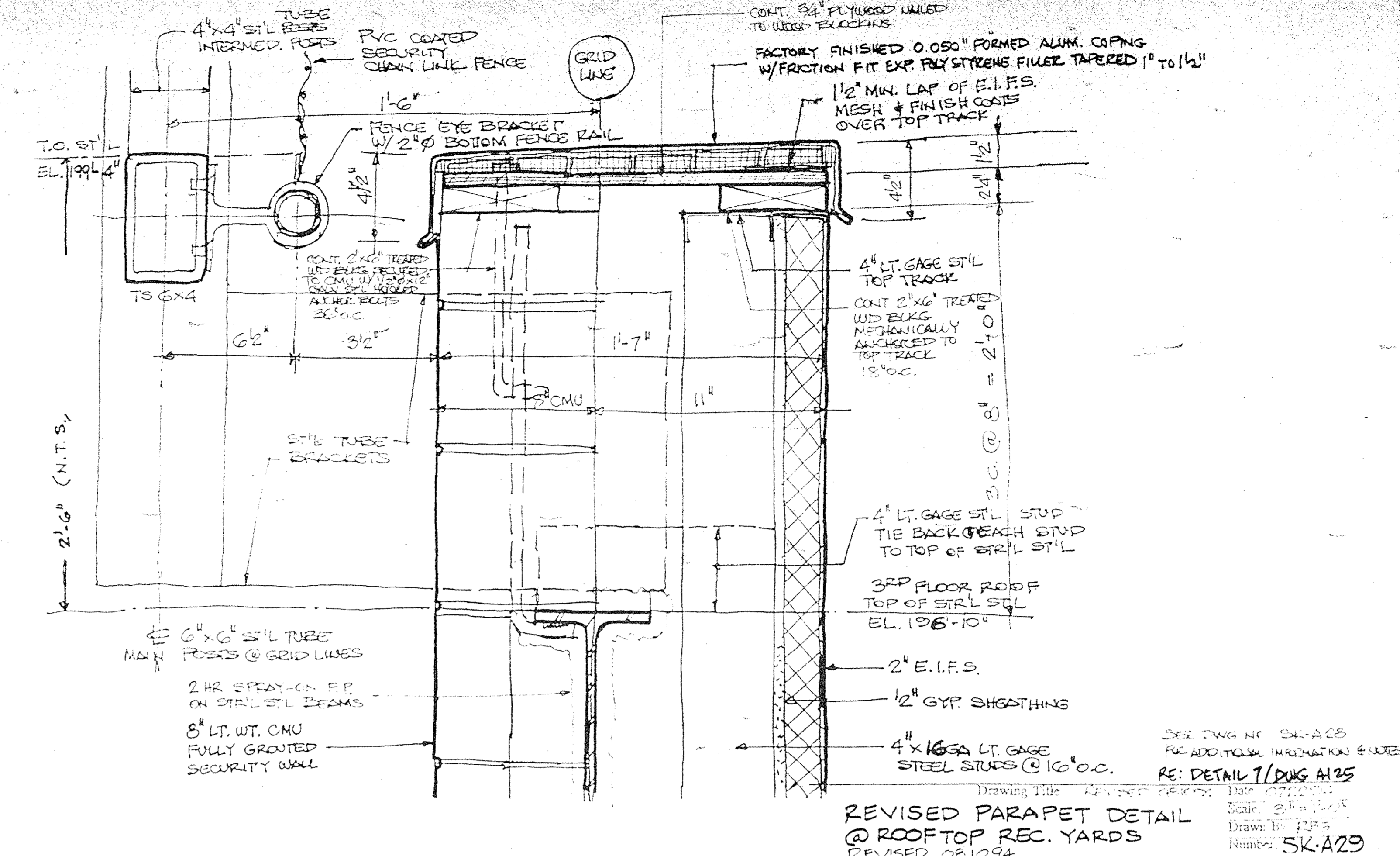
No.	Date	Revision
Drawn By	RF	3.13.94
Checked By	RF	5.20.94
Issue Date	01 MARCH 1994	
Scale	AS NOTED	
Key Plan		



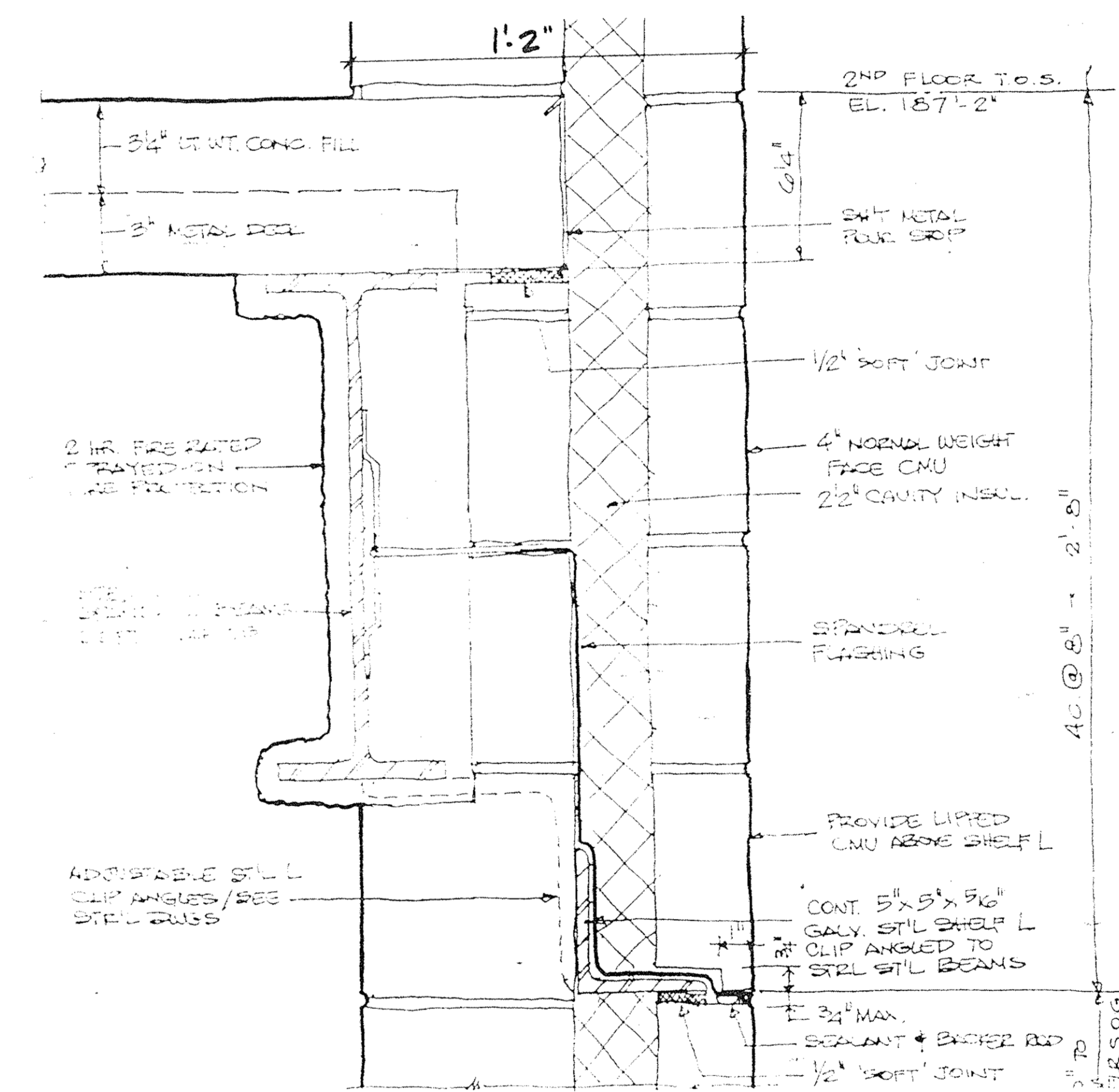
Drawing Title
EXTERIOR WALL DETAILS



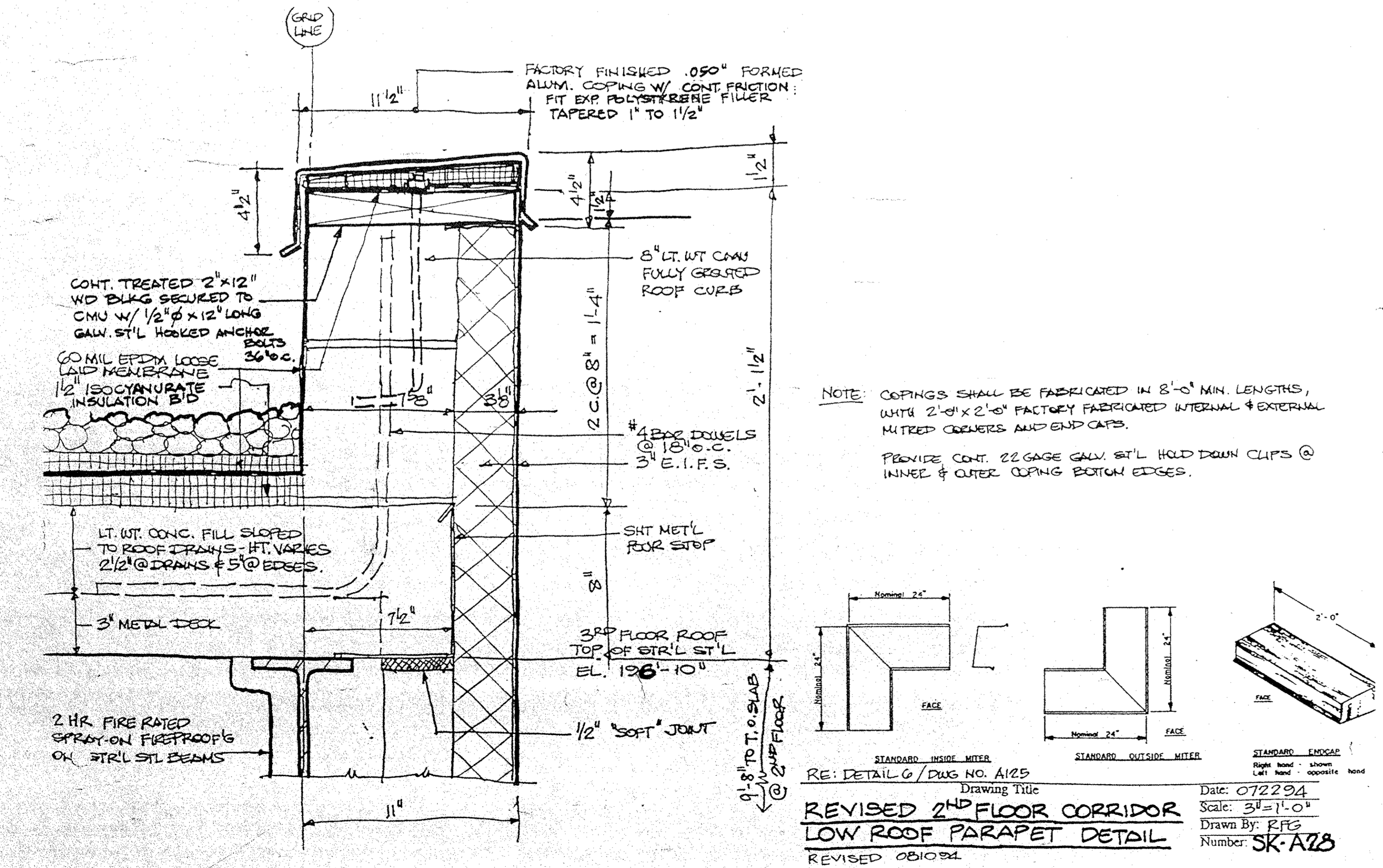
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 DRAWN BY: RFR
 NUMBER: SK-A27
 REVISED 081094



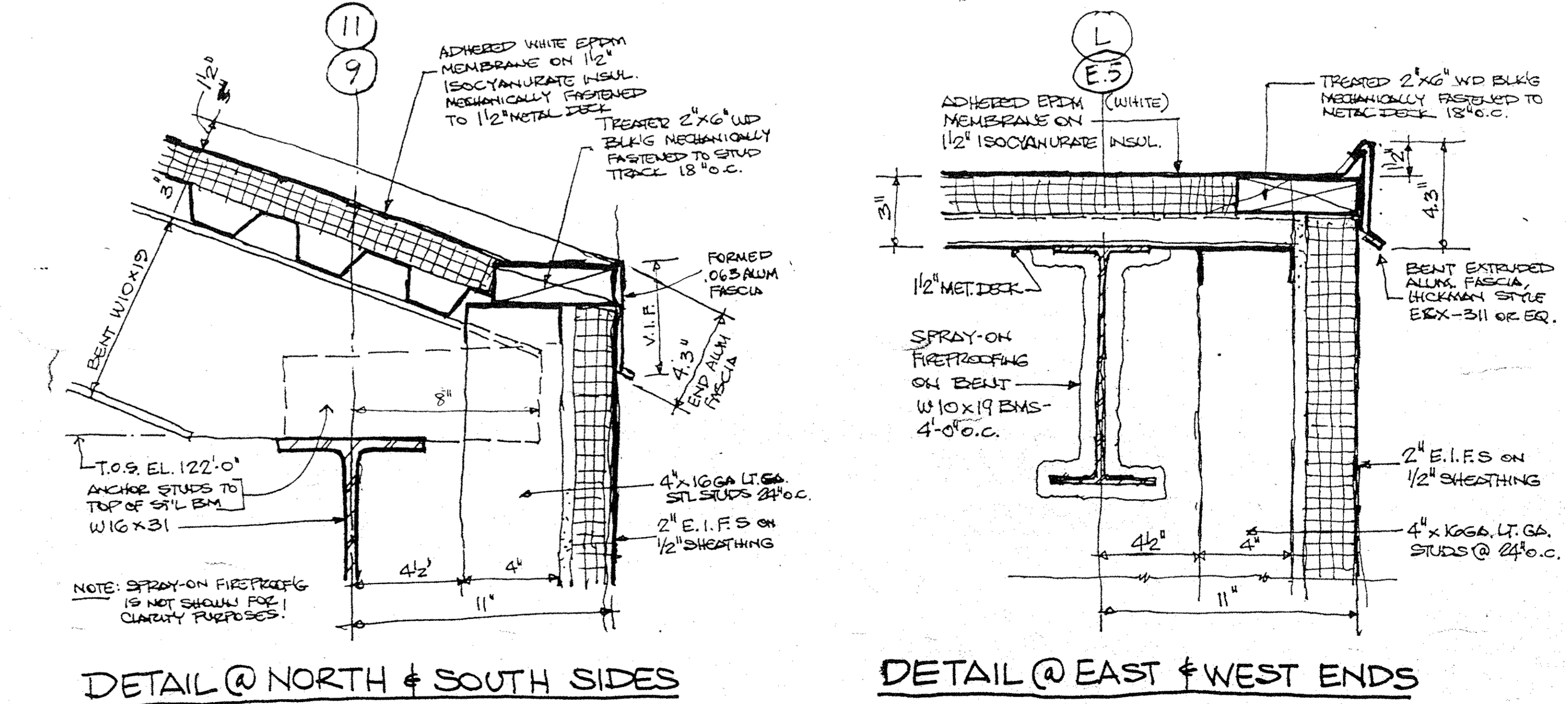
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 NUMBER: SK-A29
 REVISED 081094



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 NUMBER: SK-A30
 REVISED 081094



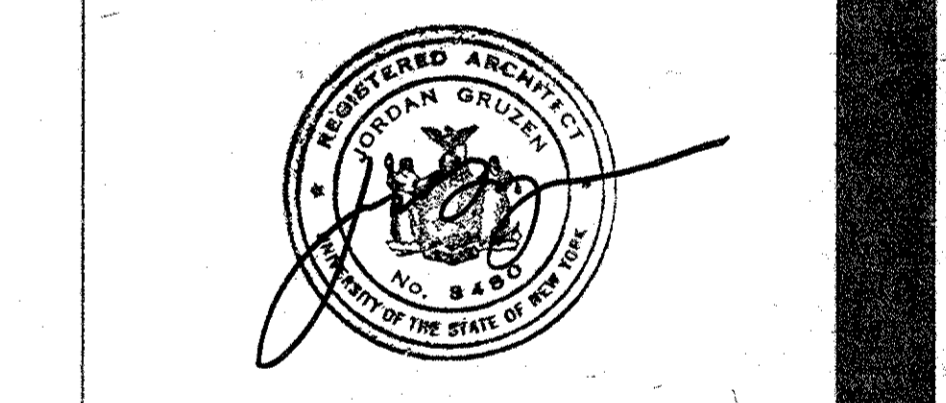
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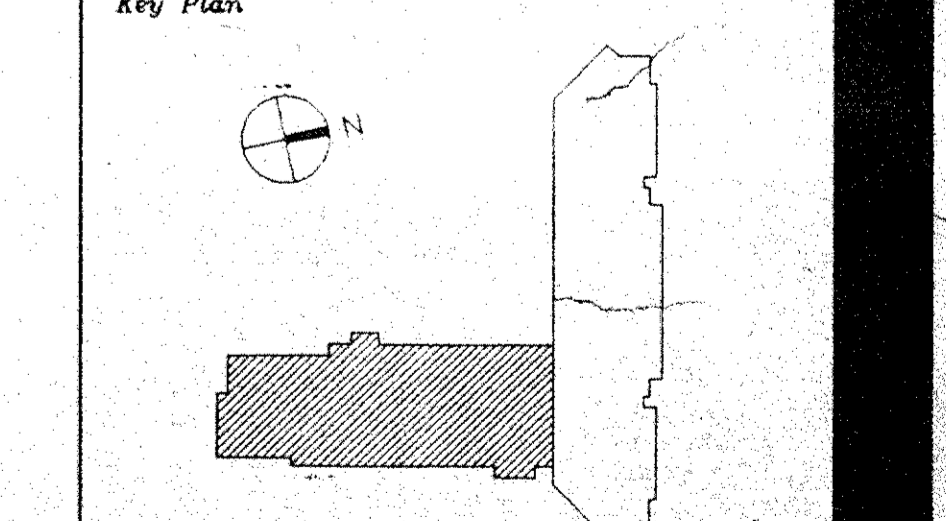
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 NUMBER: SK-A31
 REVISED 081094

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602
 Owner: County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
 Fax 914/431-1868
 Tel 914/431-2121
 Construction Manager
 R.C.K./C.R.S.S.
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 Fax 914/831-6071
 Tel 914/831-0943

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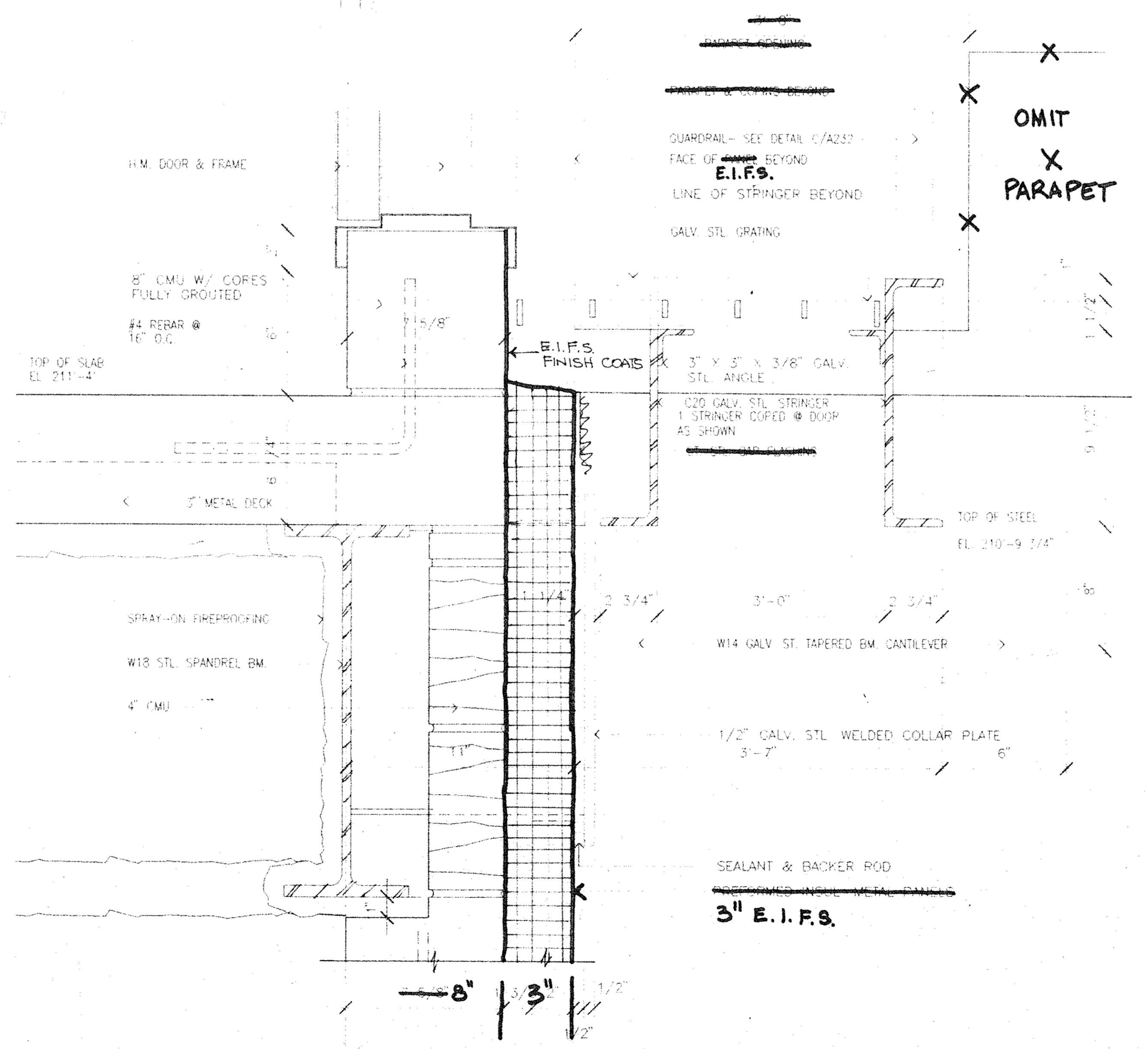
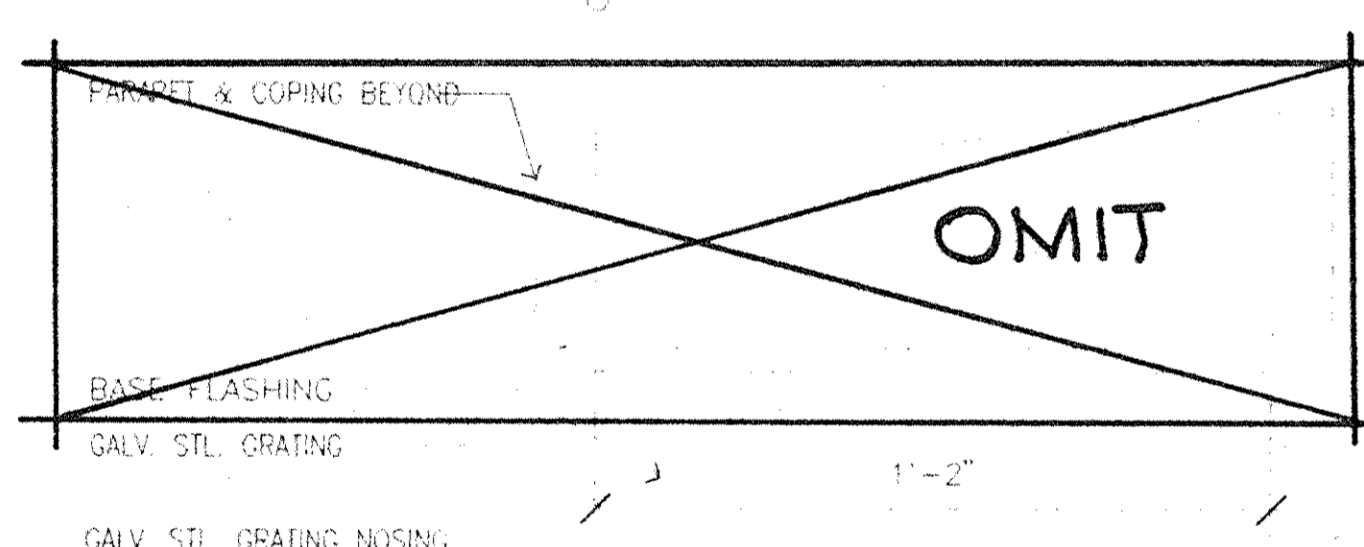
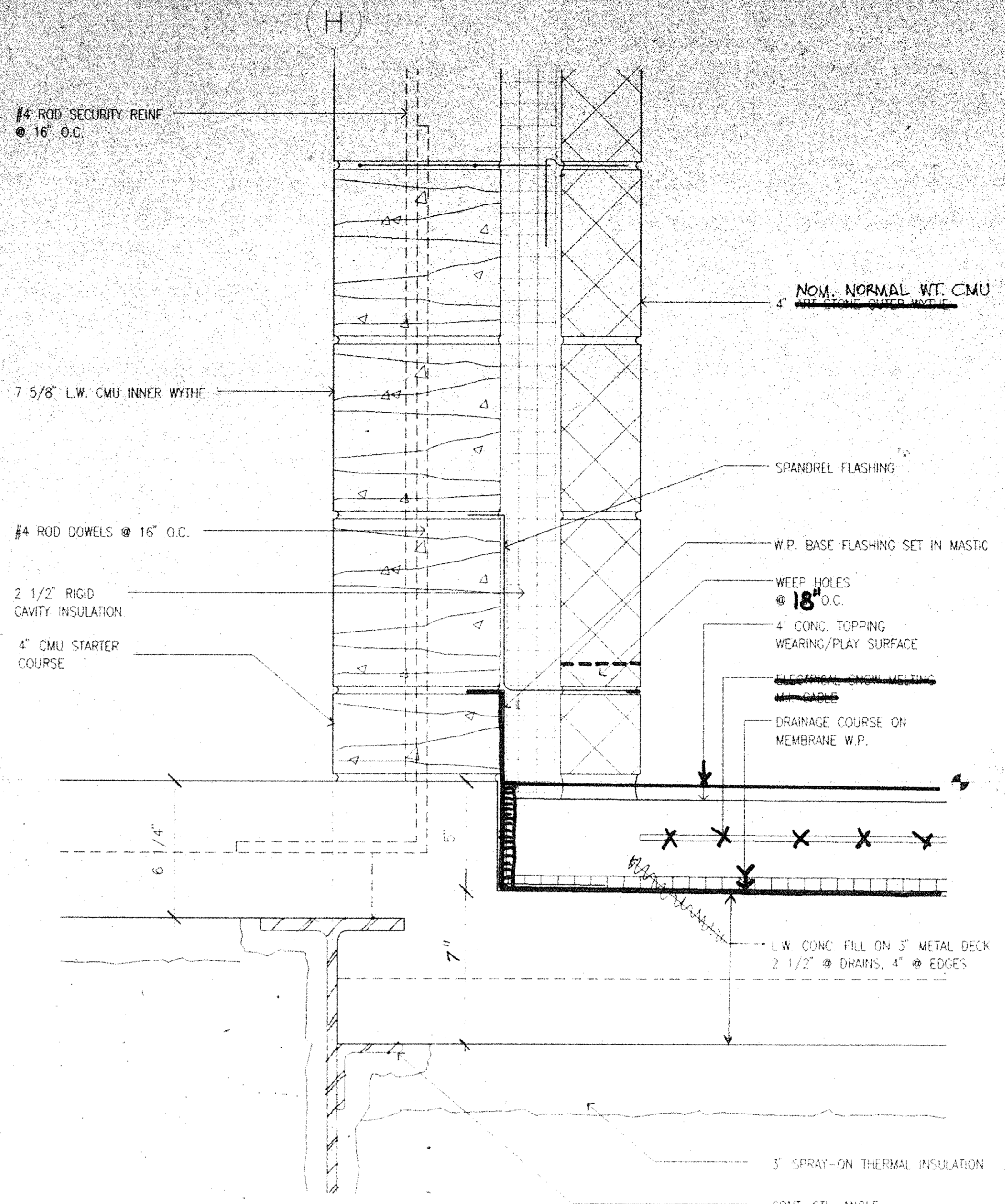
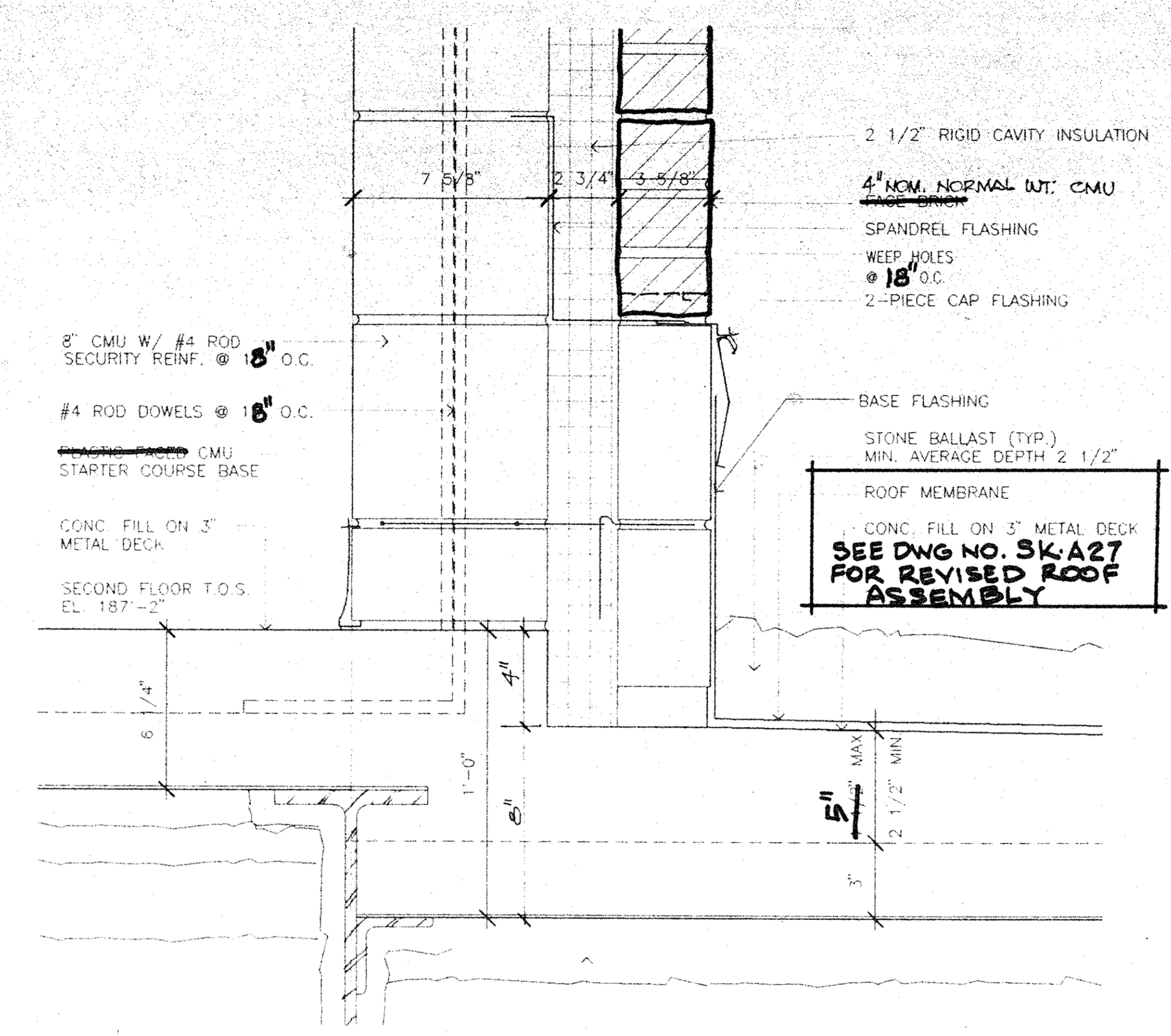
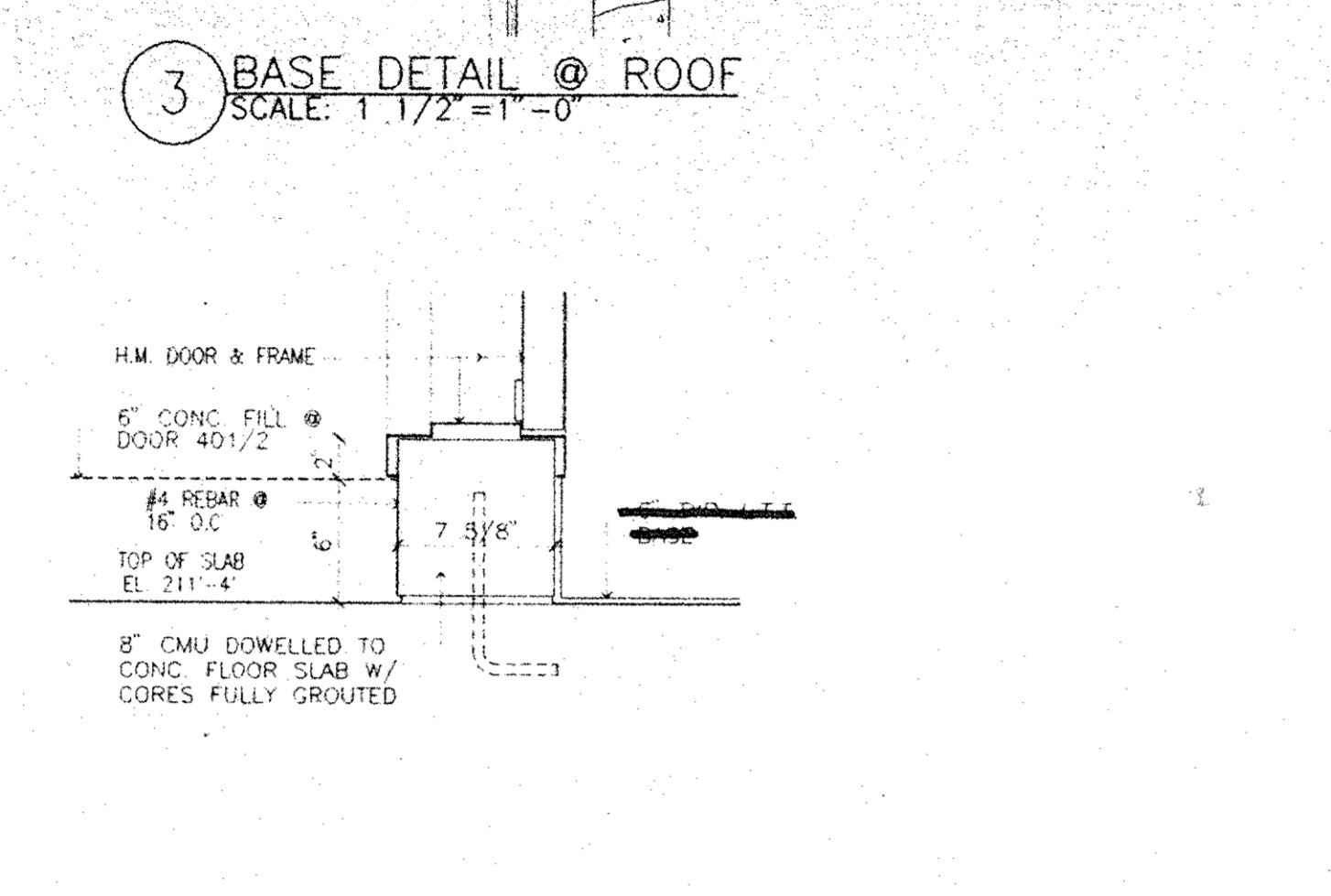
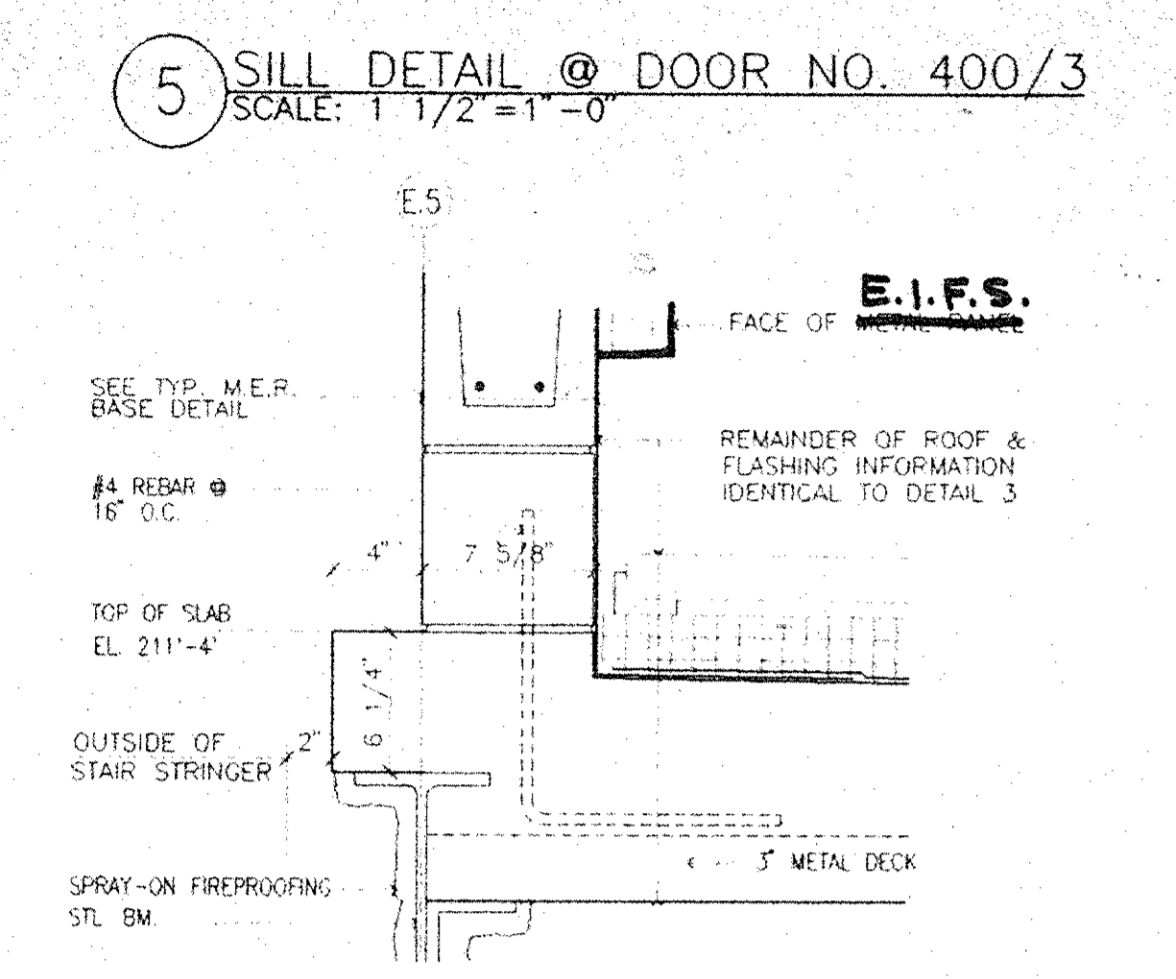
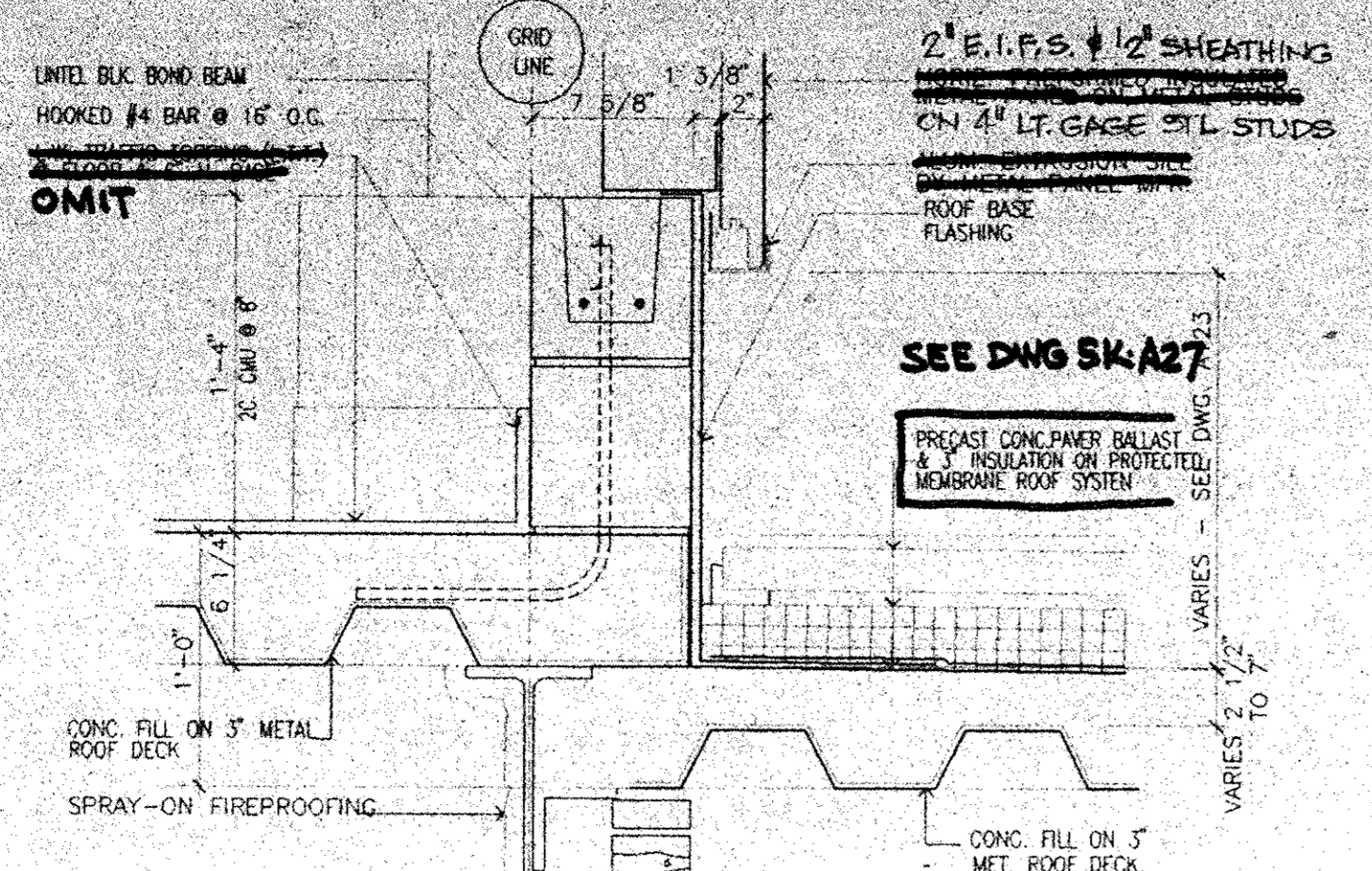
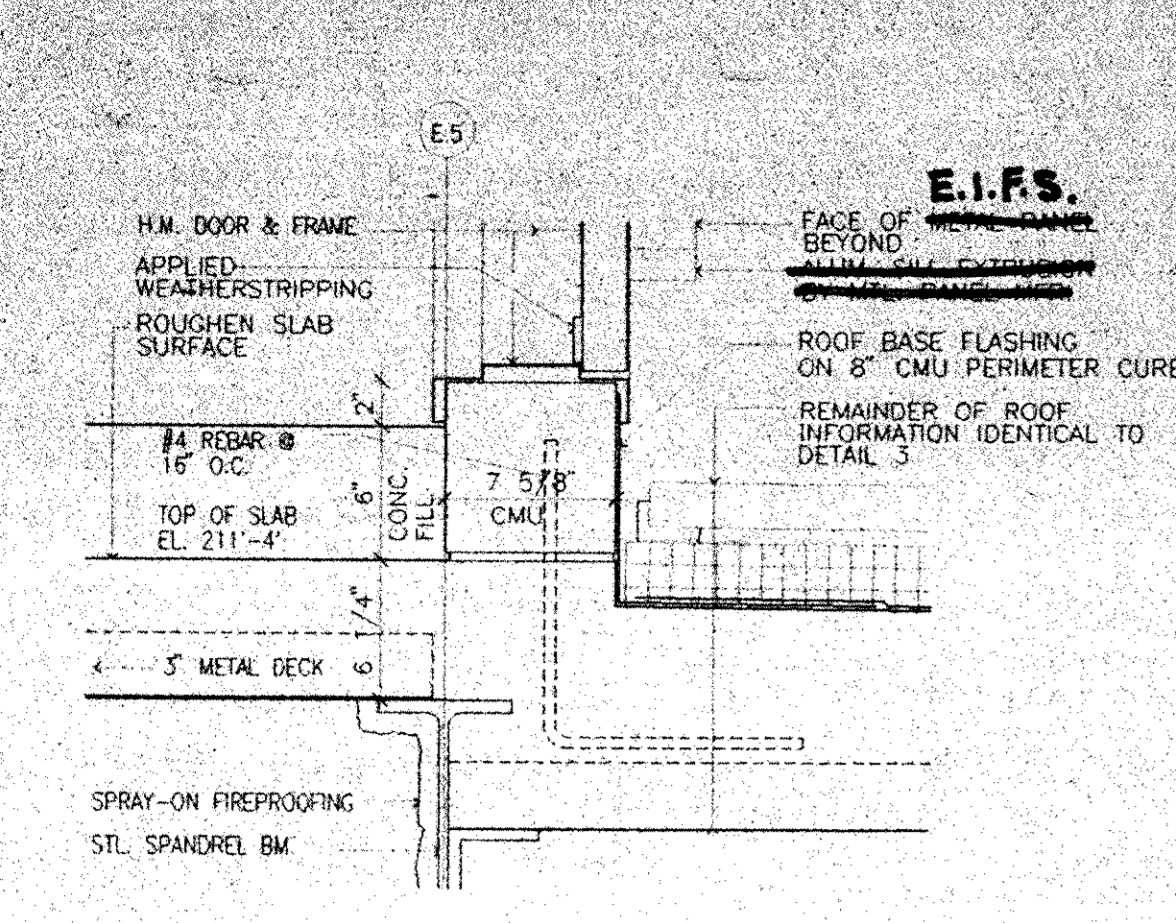


No.	Date	Revision
1	08.05.94	GENERAL REVISIONS



REVISIONS
 EXTERIOR WALL
 DETAILS

Project No. 91-1286
 Drawing No. A125-A



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 304 Park Avenue South
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 Tel 212/563-9154

Structural Engineers
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 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211

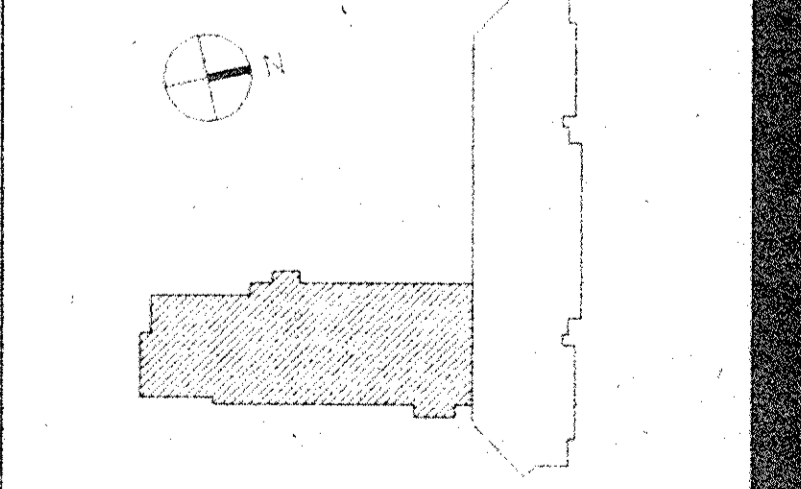
Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
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Civil Engineers
 Paggi & Martin
 54-56 Main Street
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 Tel 914/471-7898



4 0.05.94 GENERAL REVISIONS
 3 4.29.94 BID ISSUE
 2 3.31.94 C.M. REVIEW ISSUE
 1 3.21.94 COST ESTIMATE ISSUE

No.	Date	Revision
Drawn By	PF	Date 3.10.94
Checked By	RFG	Date 3.20.94
Issue Date	21 MARCH 1994	
Scale	AS NOTED	
Key Plan		



Drawing Title
EXTERIOR WALL DETAILS

Dutchess County Jail

Phase 3 Addition & Renovations
150 N. Hamilton St.
Poughkeepsie, N.Y. 12602

Owner
County of Dutchess
Department of Public Works
23 Market Street
Poughkeepsie, N.Y. 12601
Fax 914/431-1869
Tel 914/431-2121

Construction Manager
R.C.K./C.R.S.S.
123 Rambo Avenue
P.O. Box 790
Beacon, N.Y. 12508
Fax 914/831-6071
Tel 914/831-0943

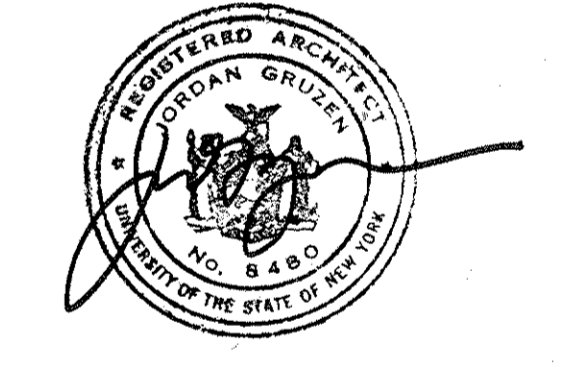
Architects Planners & Interior Designers
Gruzen Samton
304 Park Avenue South
New York, NY 10010
Fax 212/477-1257
Tel 212/477-0900

Associated Architects
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Tel 212/563-9154

Structural Engineers
DeSimone, Chaplin & Dobryn P.C.
20 Waterside Plaza
New York, NY 10010
Fax 212/481-6108
Tel 212/532-2211

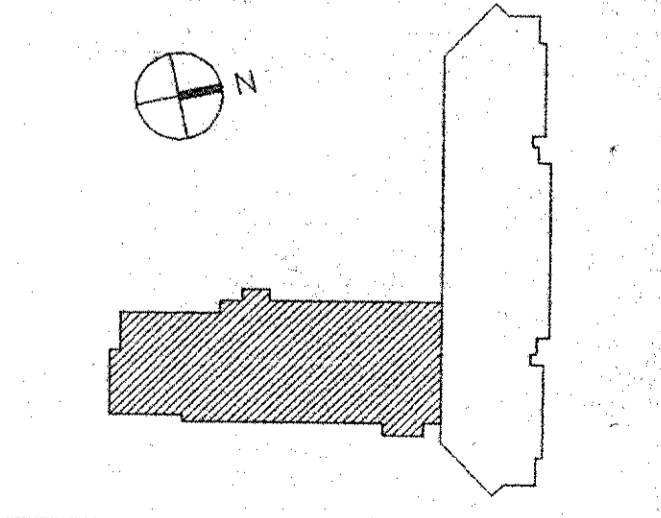
Mechanical/Electrical Engineers
Kallen & Lemelson
1430 Broadway
New York, N.Y. 10018
Fax 212/780-6425
Tel 212/382-1800

Civil Engineers
Paggi & Martin
54-58 Main Street
Poughkeepsie, New York 12601
Fax 914/471-0905
Tel 914/471-7898



No.	Date	Revision
4	08.05.94	GENERAL REVISIONS
3	04.29.94	BID ISSUE
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

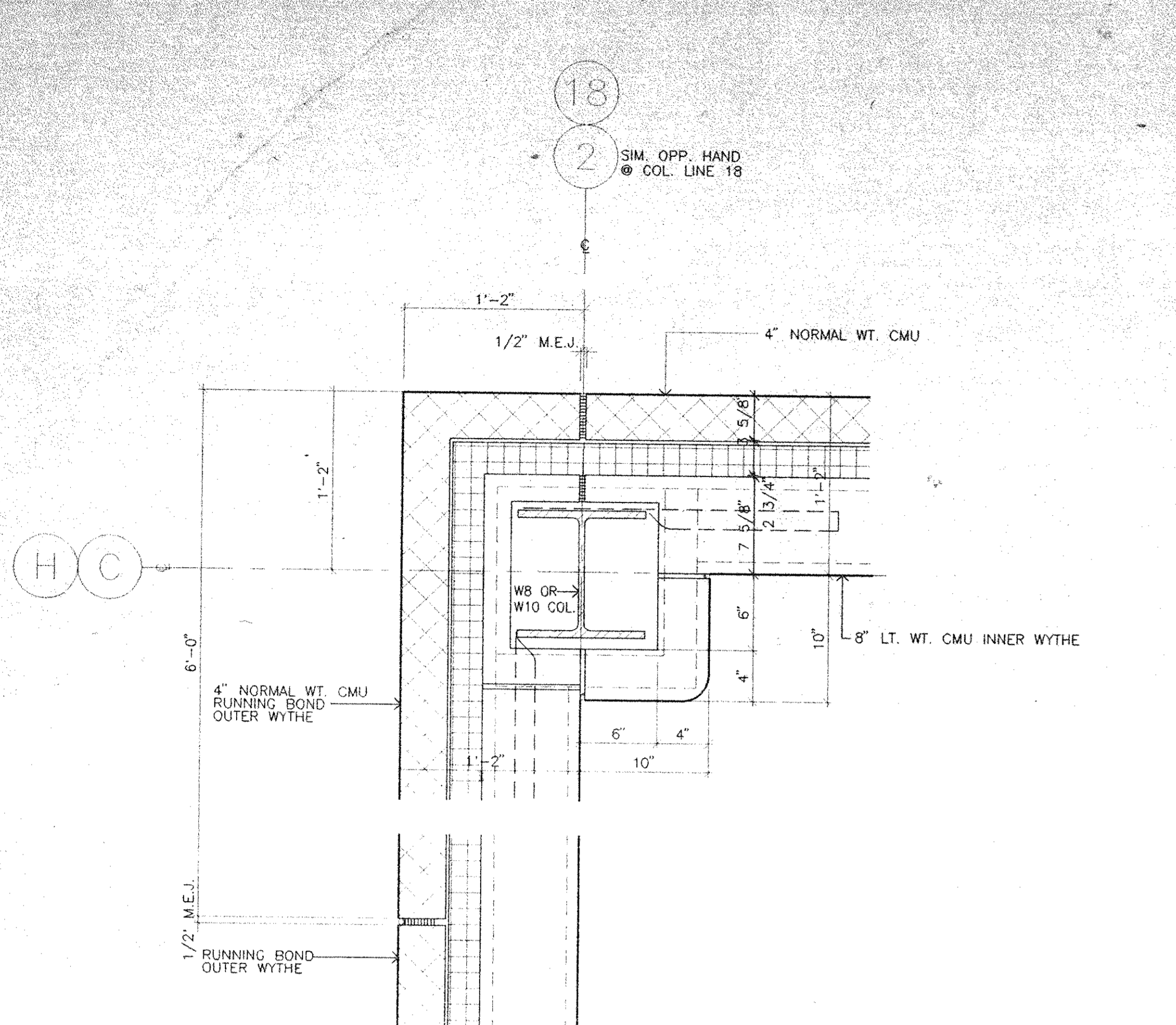
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RF	3.18.94
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RFG	3.19.94
Issue Date	21 MARCH 1993
Scale	AS NOTED
Rev Plan	



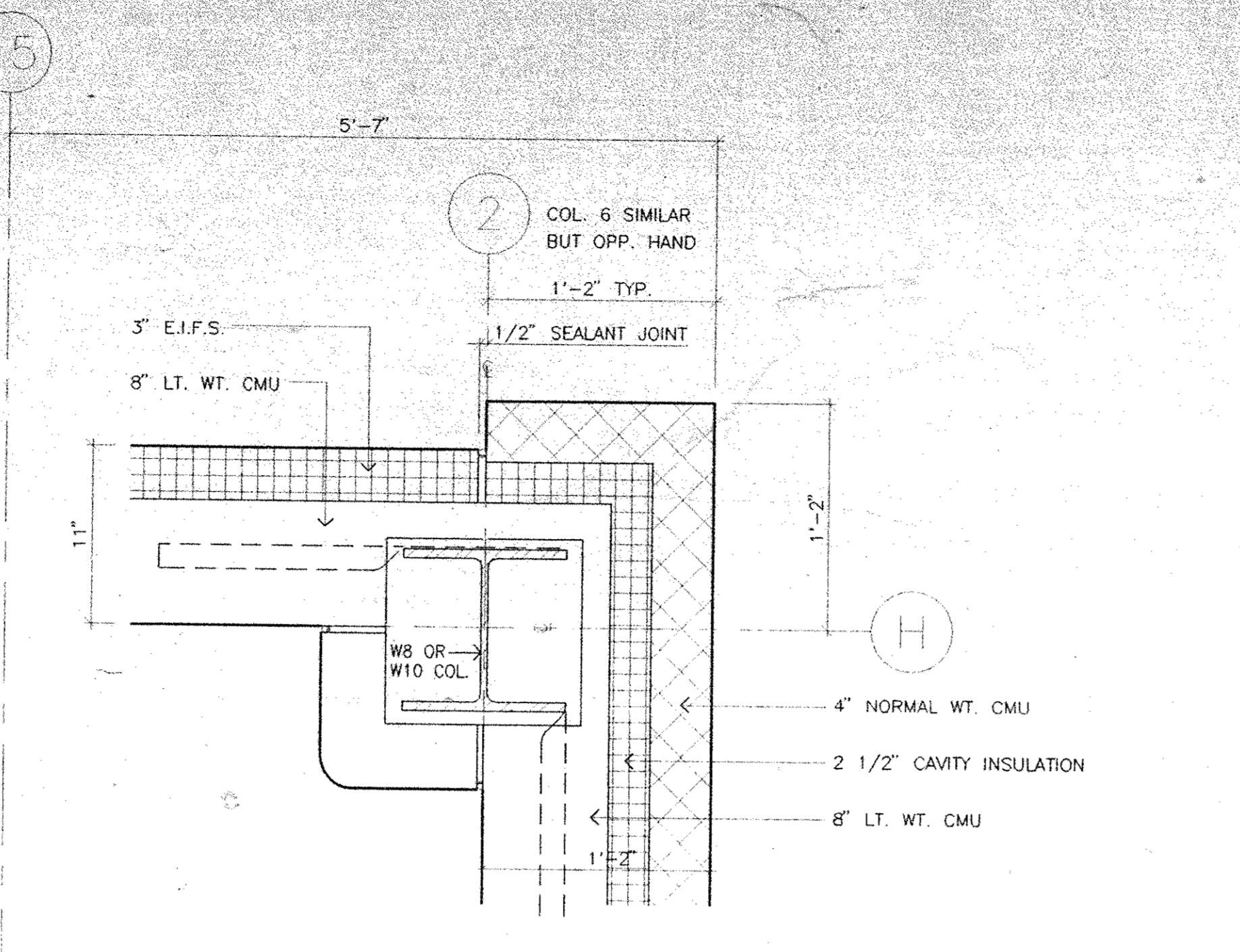
EXTERIOR WALL DETAILS

GS Project No. 91-1988
RA Project # 99301.00
Drawing No.

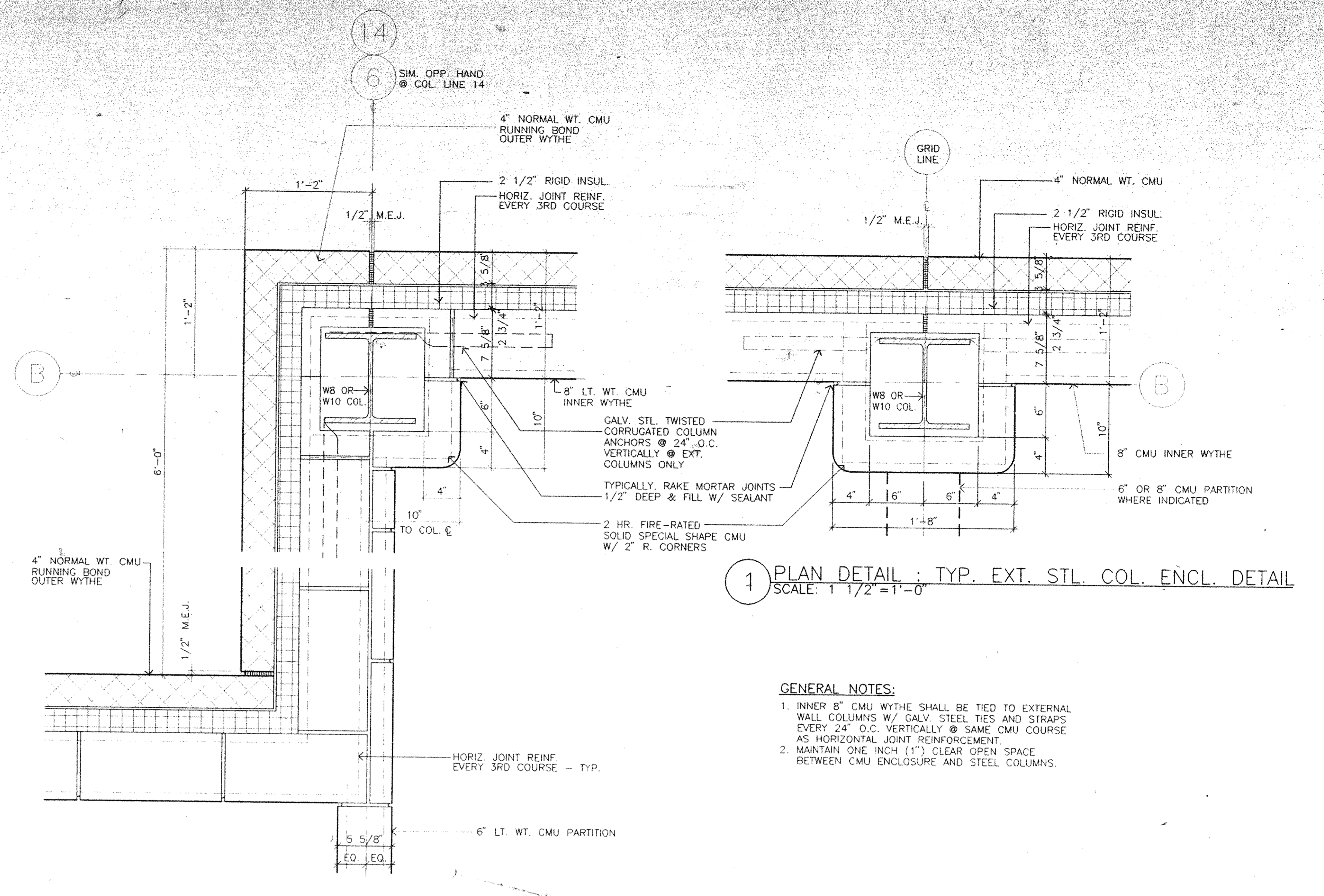
A127



4 PLAN DETAIL : EXTERIOR CORNER STEEL COLUMN ENCLOSURE DETAIL
SCALE: 1 1/2" = 1'-0"

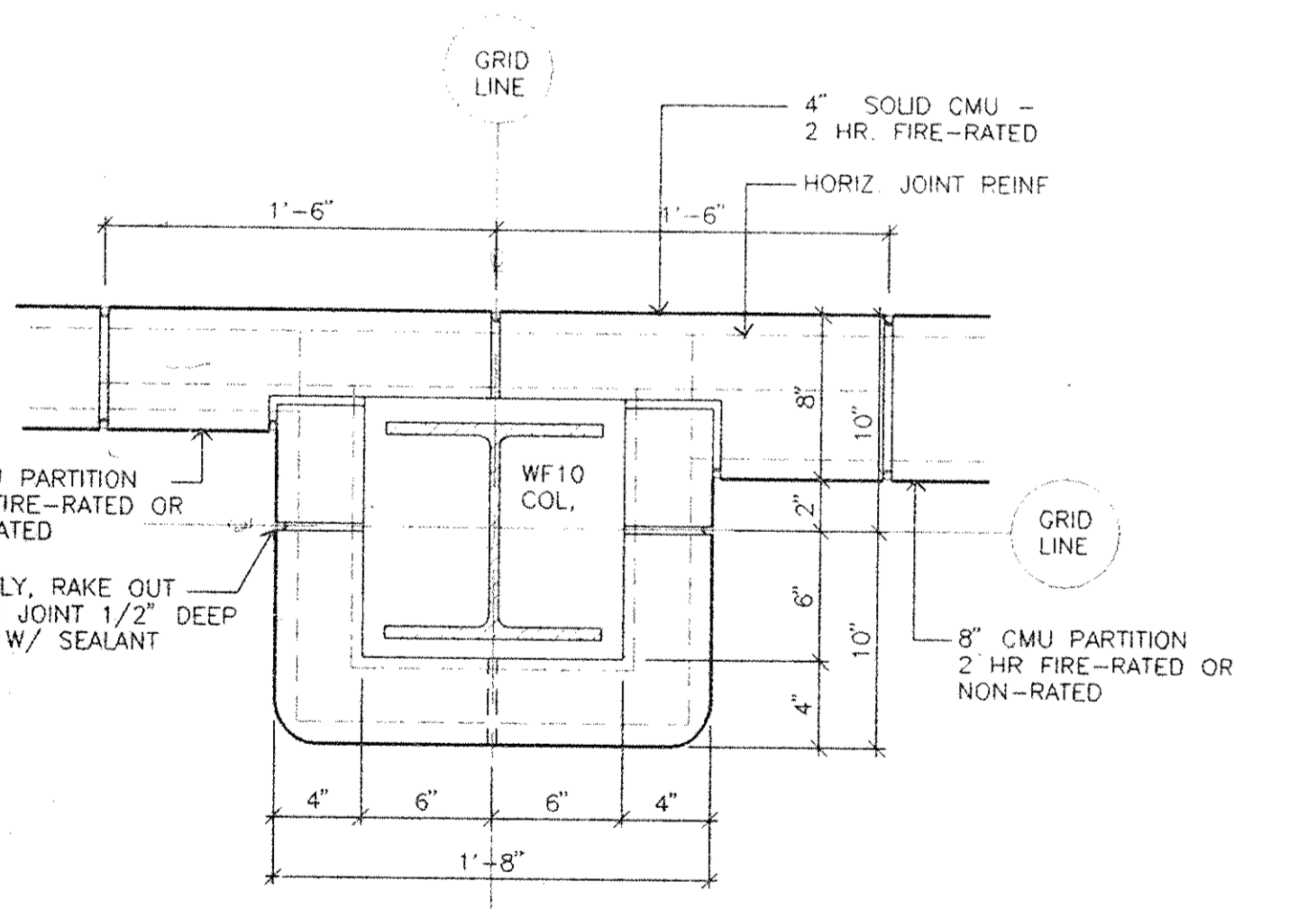


3 PLAN DETAIL : TYPICAL EXTERIOR CAVITY WALL
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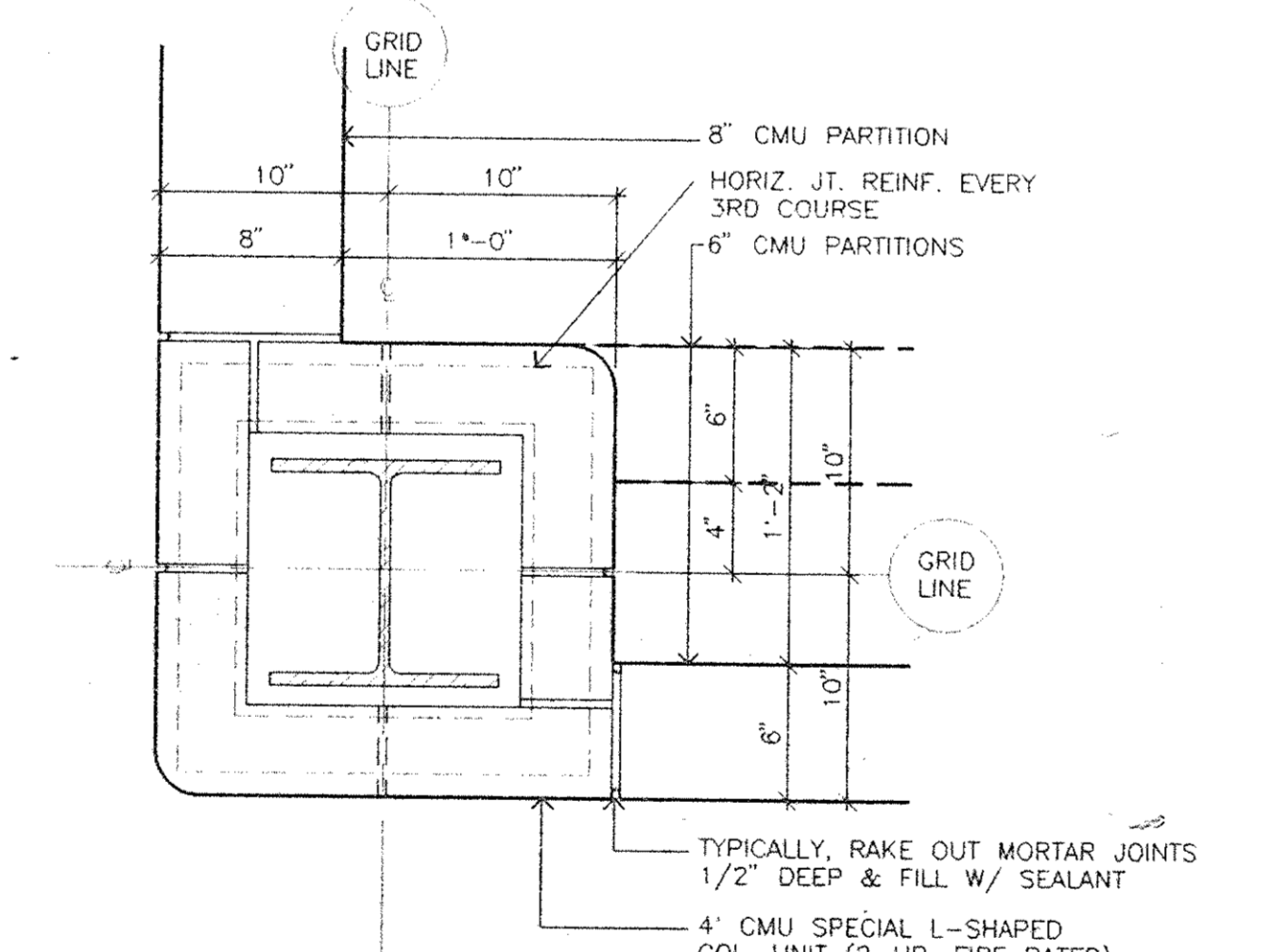


2 PLAN DETAIL : EXTERIOR CORNER STEEL COLUMN ENCLOSURE DETAIL
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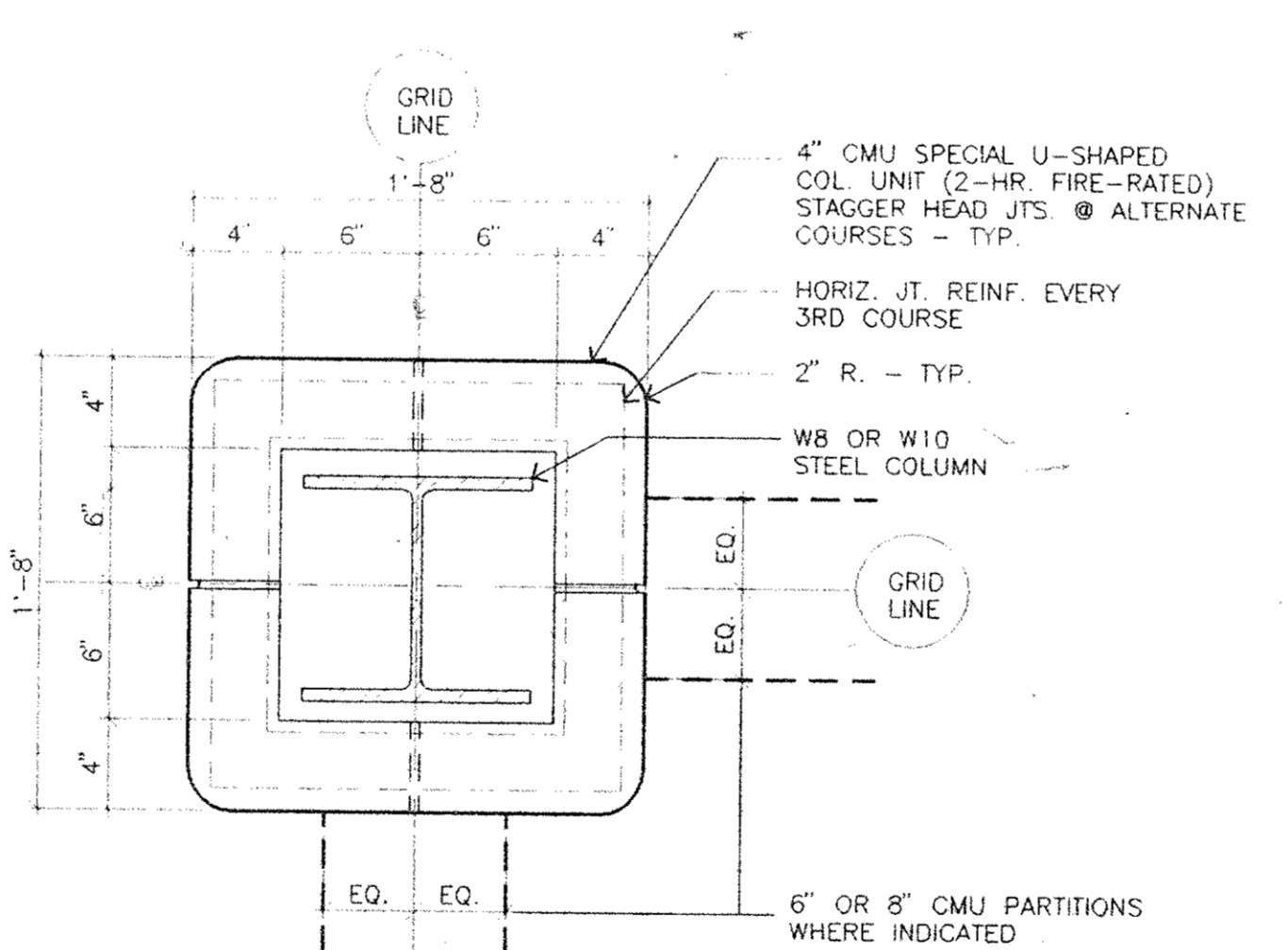
GENERAL NOTES:
1. INNER 8" CMU WYTHE SHALL BE TIED TO EXTERNAL WALL COLUMNS W/ GALV. STEEL TIES AND STRAPS EVERY 24" O.C. VERTICALLY @ SAME CMU COURSE AS HORIZONTAL JOINT REINFORCEMENT.
2. MAINTAIN ONE INCH (1") CLEAR OPEN SPACE BETWEEN CMU ENCLOSURE AND STEEL COLUMNS.



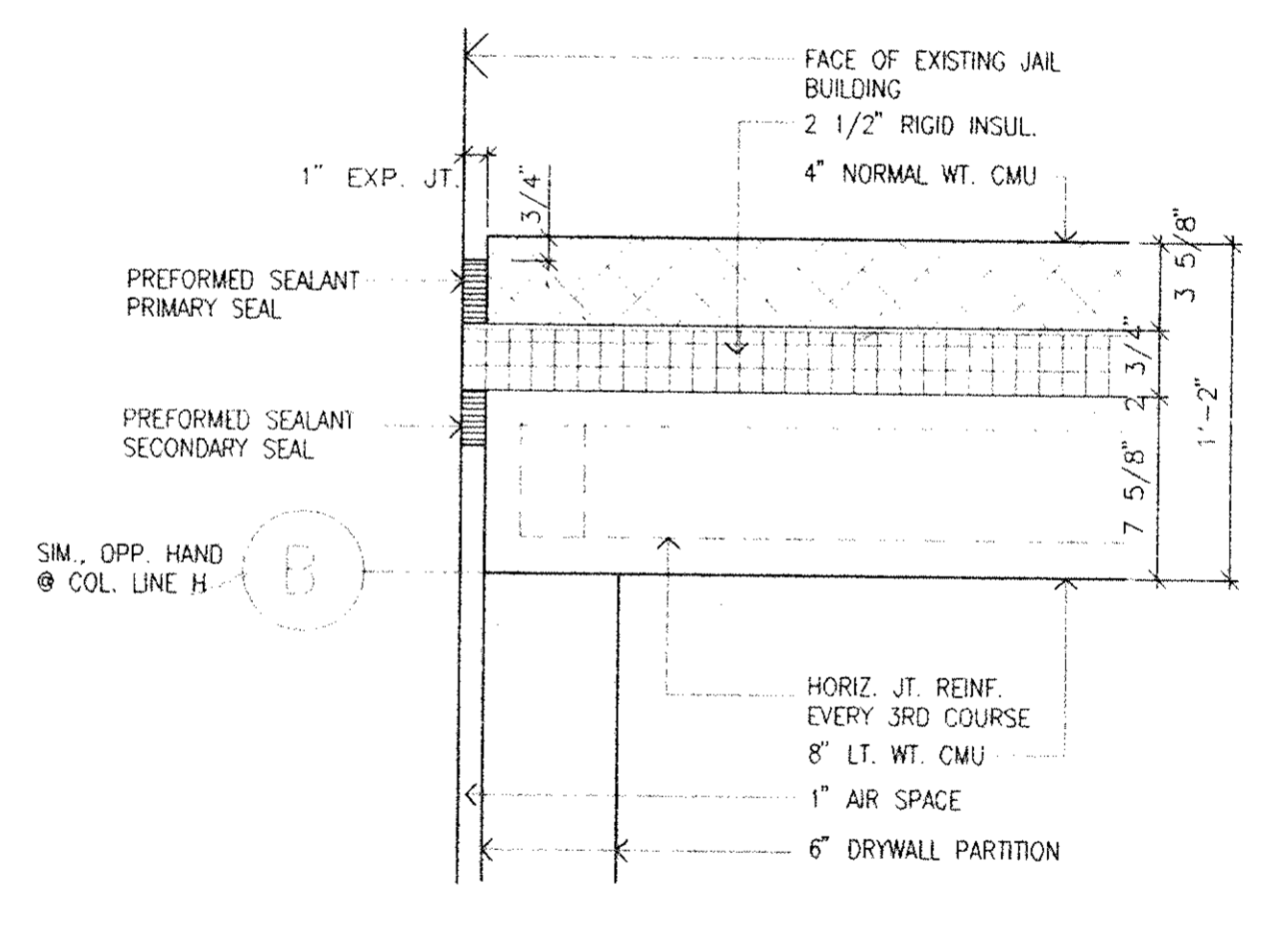
8 PLAN DETAIL : TYPICAL INTERIOR COLUMN
SCALE: 1 1/2" = 1'-0"



7 PLAN DETAIL : TYPICAL INTERIOR COLUMN
SCALE: 1 1/2" = 1'-0"

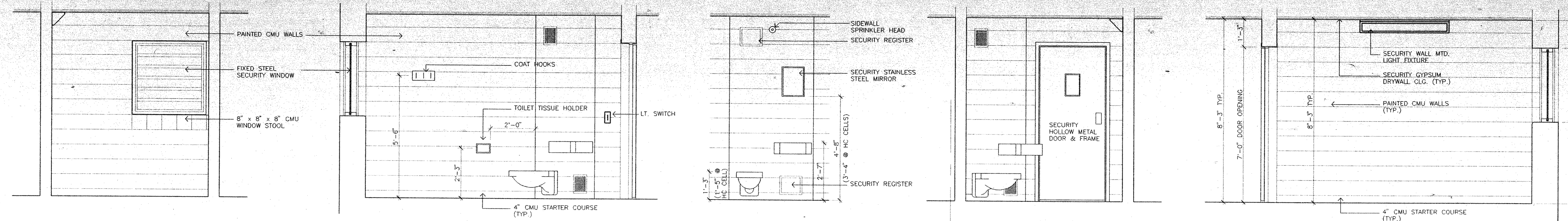


6 PLAN DETAIL : TYPICAL INTERIOR COLUMN
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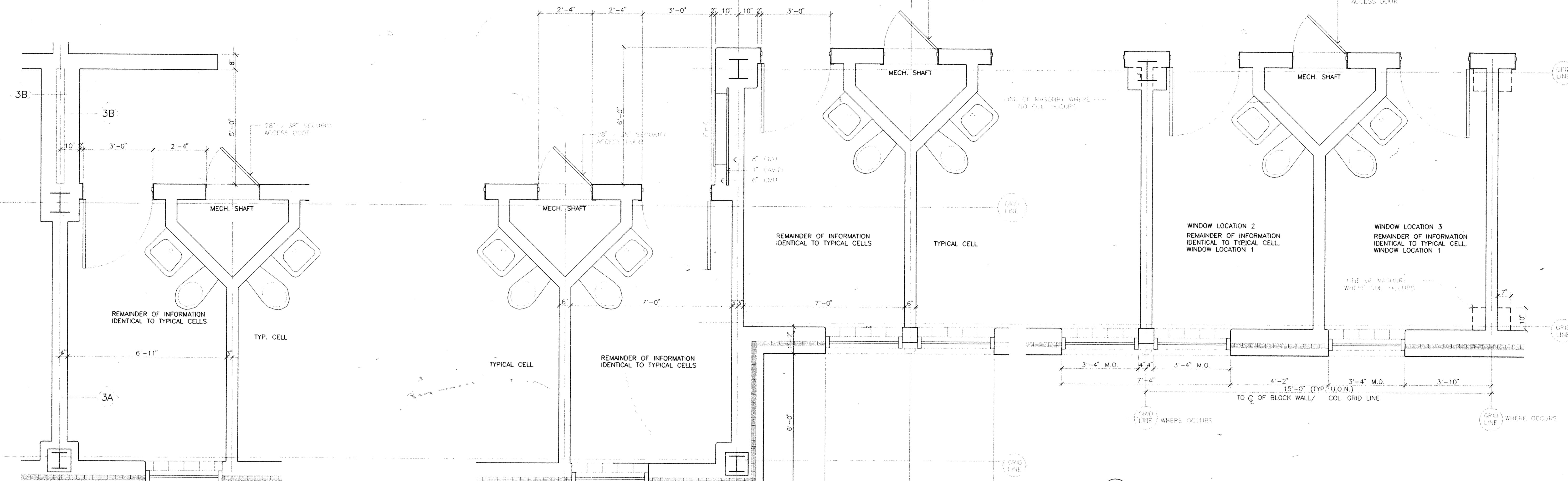


5 PLAN DETAIL : EXPANSION JOINT
SCALE: 1 1/2" = 1'-0"

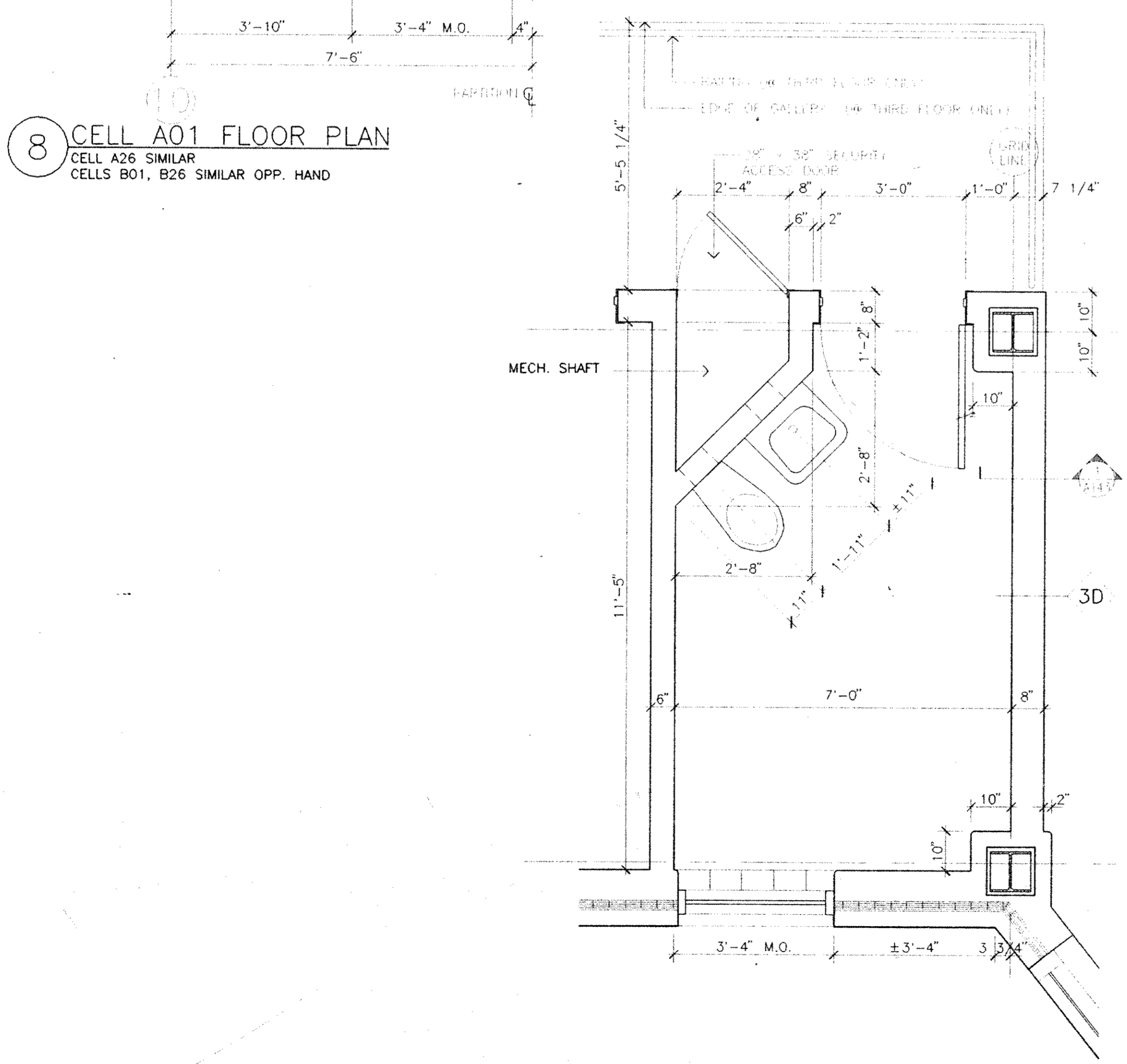
GENERAL NOTE:
DO NOT TIE OR STRAP CMU TO INTERIOR STEEL COLUMN. CMU PARTITION SHALL BE ANCHORED TO TOP & BOTTOM OF FLOOR SLABS ONLY - SEE INTERIOR PARTITION SCHEDULE ON DWG. A181.



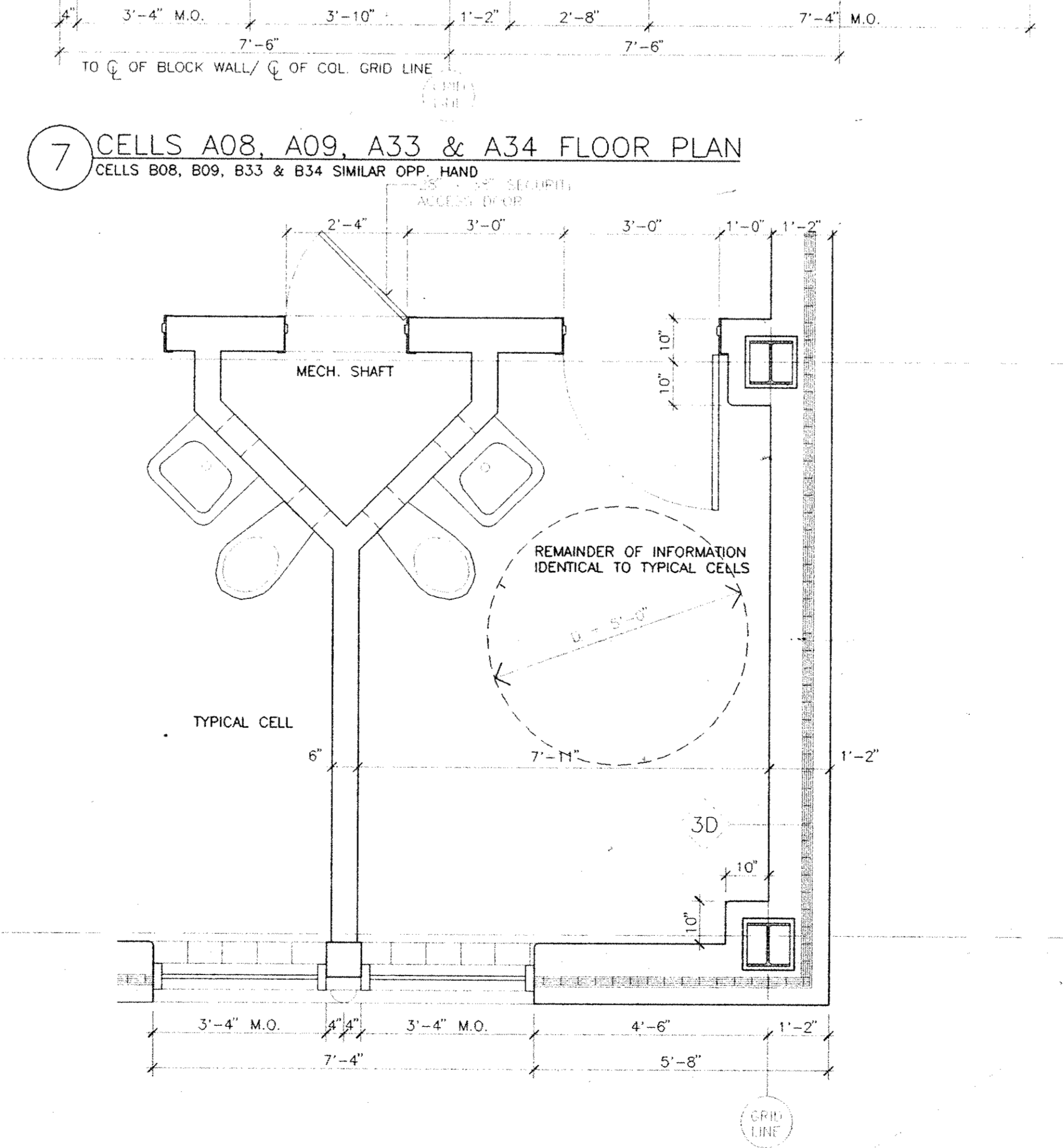
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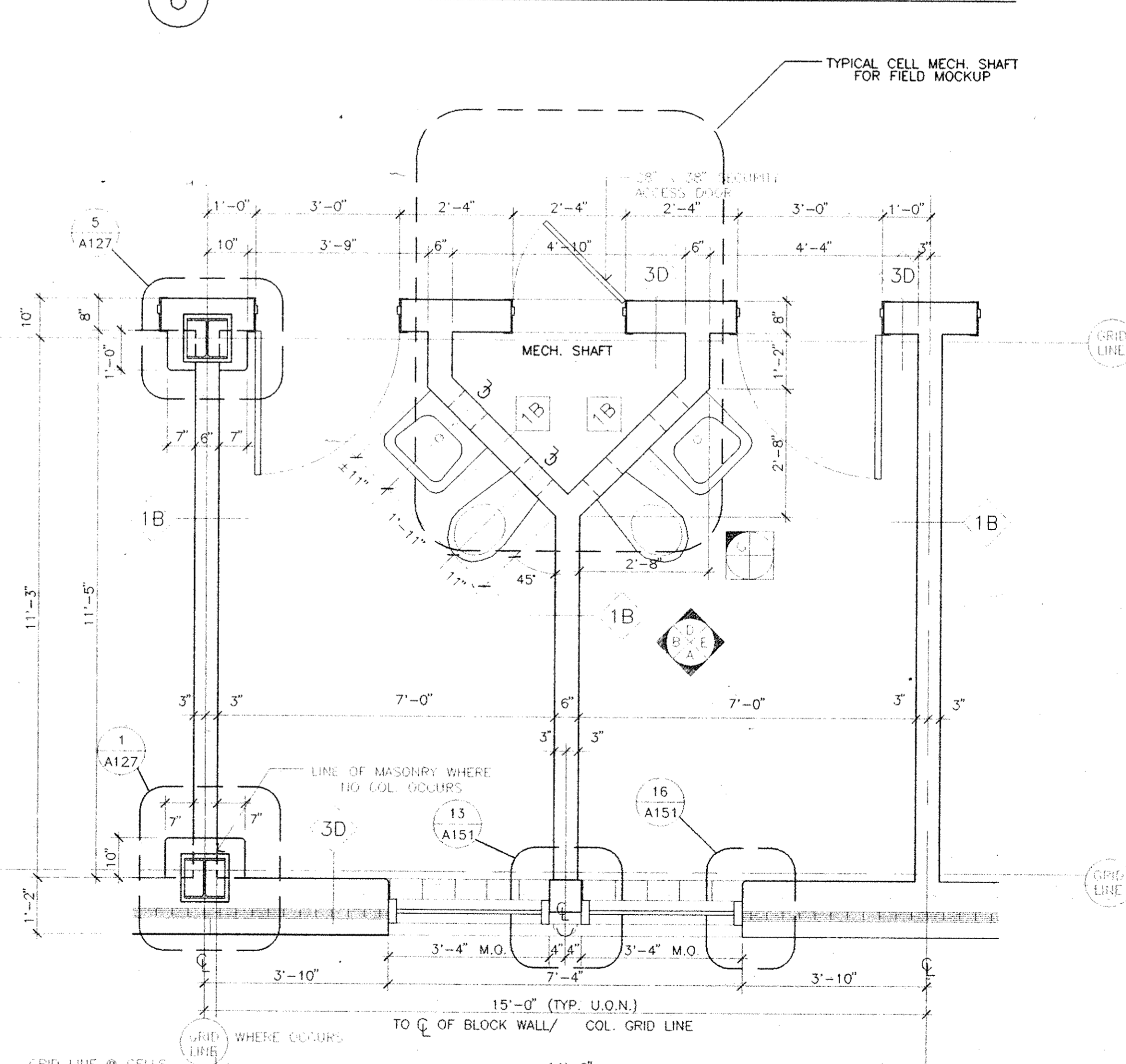
6 TYPICAL CELL FLOOR PLAN - WINDOW LOCATIONS 2 & 3



8 CELL A01 FLOOR PLAN
CELL A26 SIMILAR
CELLS B01, B26 SIMILAR OPP. HAND



7 CELLS A08, A09, A33 & A34 FLOOR PLAN
CELLS B08, B09, B33 & B34 SIMILAR OPP. HAND



9 TYPICAL CELL FLOOR PLAN - WINDOW LOCATION 1

11 CELLS A25 & A50 FLOOR PLAN
CELLS B25 & B50 SIMILAR, OPP. HAND

10 CELLS A16 & A41 FLOOR PLAN (HC CELLS)
CELLS B16 & B41 SIMILAR, OPP. HAND

Dutchess County Jail
Phase 3 Addition & Renovations
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County of Dutchess
Department of Public Works
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Construction Manager
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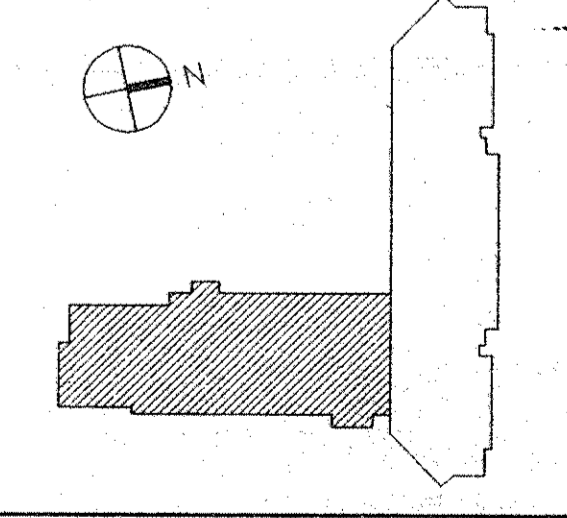
Mechanical/Electrical Engineers
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No.	Date	Revision
4	08.05.94	GENERAL REVISIONS
3	04.29.94	BID ISSUE
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

Drawn By	Date
RF	1.13.94
Checked By	Date
RF	1.20.94
Issue Date	21 MARCH 1994
Scale	1/2" = 1'-0"
Key Plan	



HOUSING UNIT CELL PLANS & ELEVATIONS

GS Project No. 91-1296
RA Project # 99501.00
Drawing No.

A131

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

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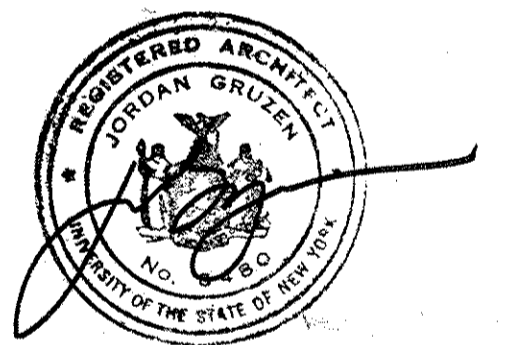
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2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

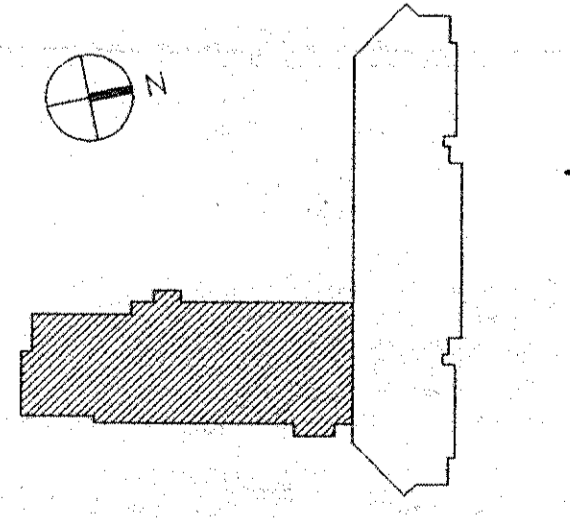
Drawn By	Date
R.F./K.S.	03.21.94

Checked By	Date
R.F.C.	03.21.94

Issue Date
03.21.94

Scale
1/2" = 1'-0"

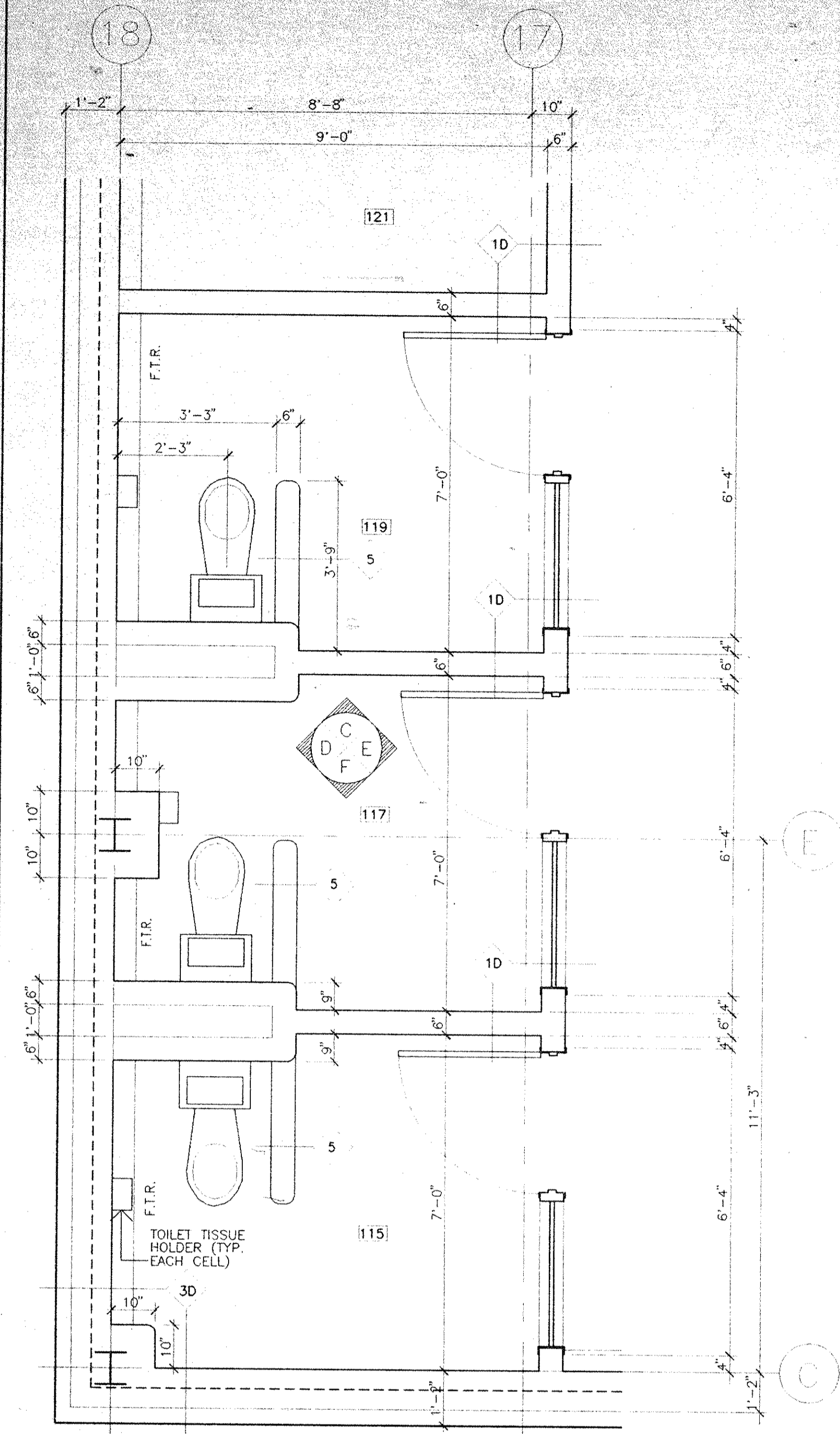
Key Plan



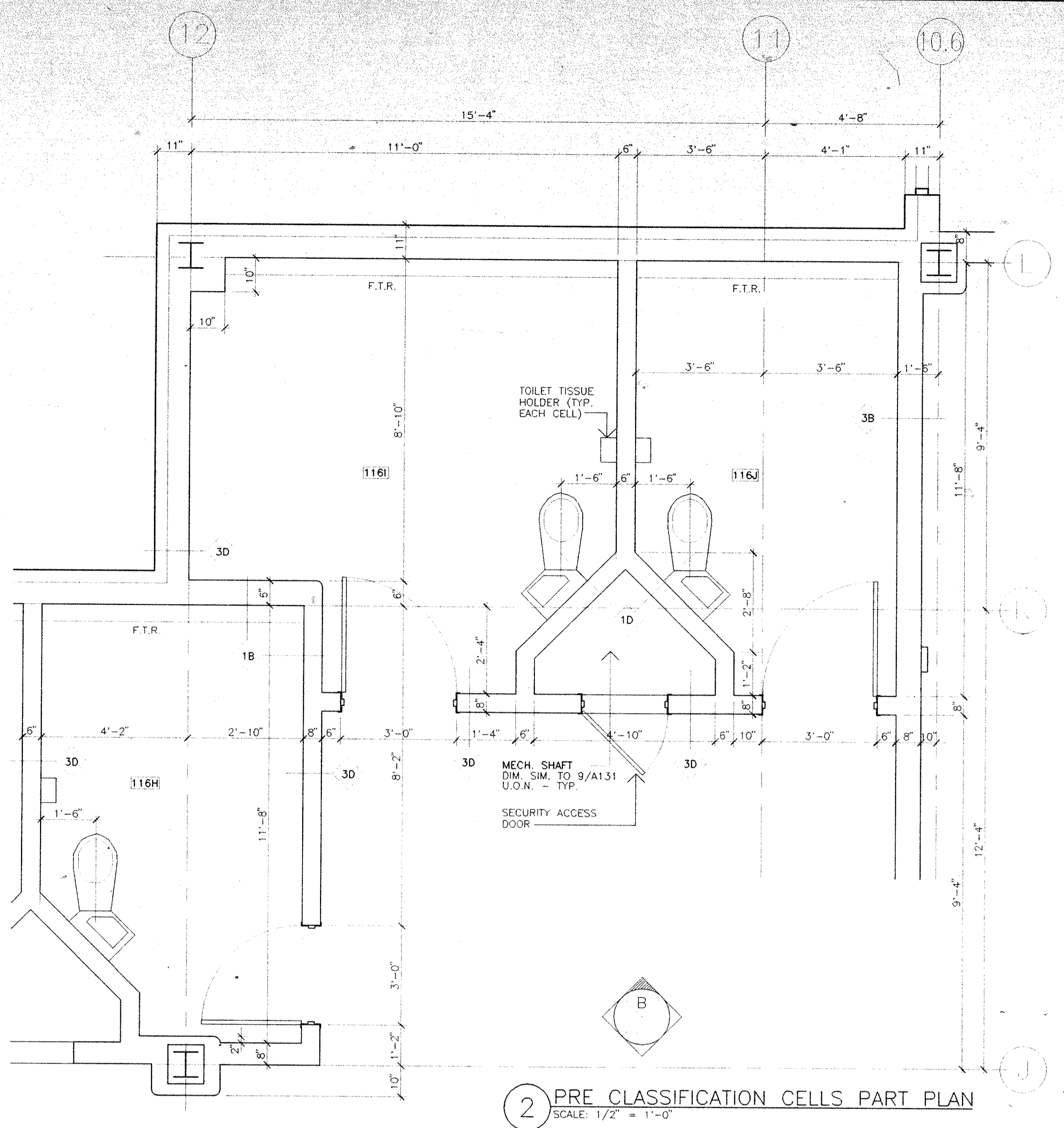
Drawing Title
PRE-CLASSIFICATION, HOLDING & MEDICAL CELL PLANS & ELEVATIONS

GS Project No. 91-1286
 RA Project # 98961.00
 Drawing No.

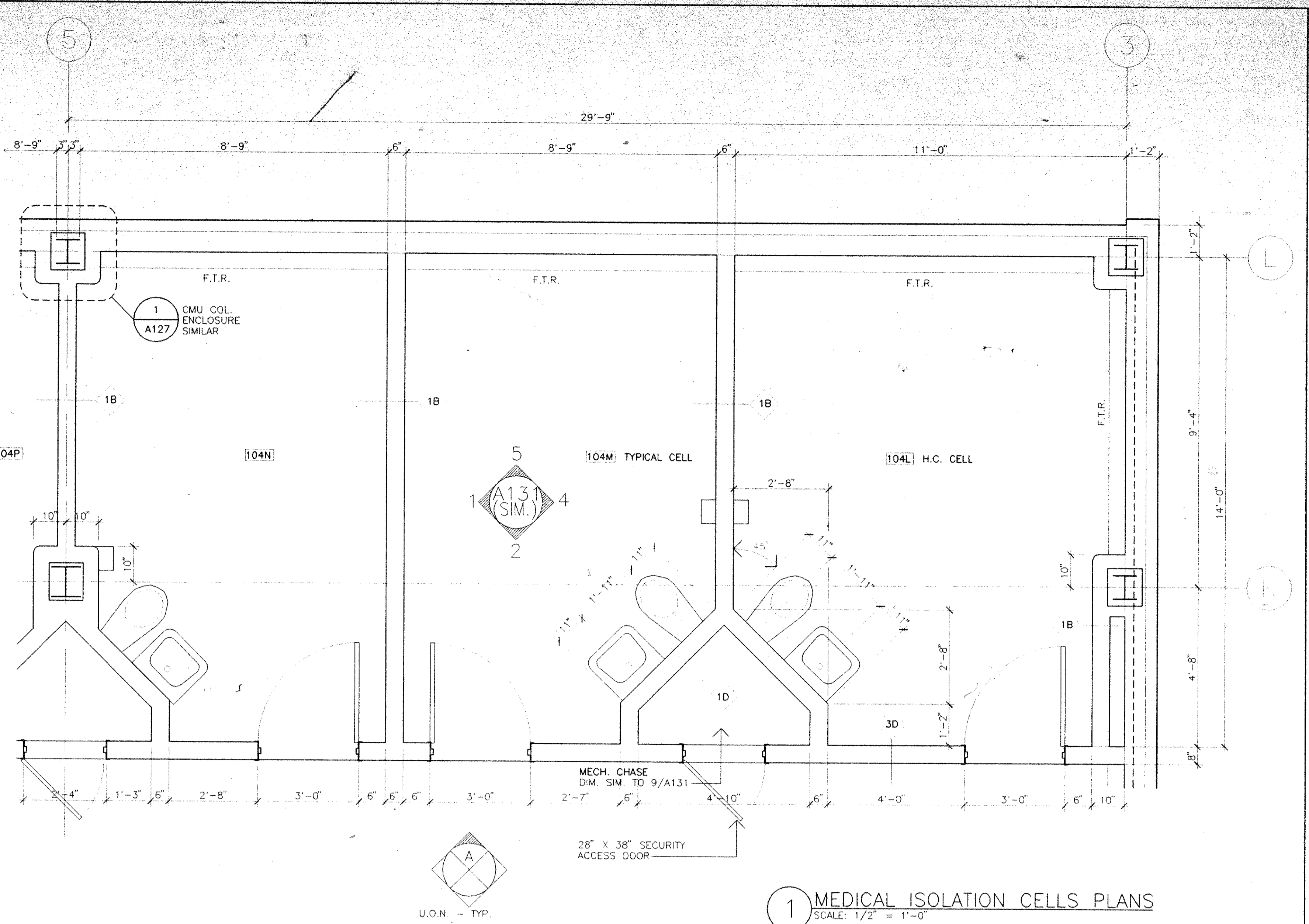
A132



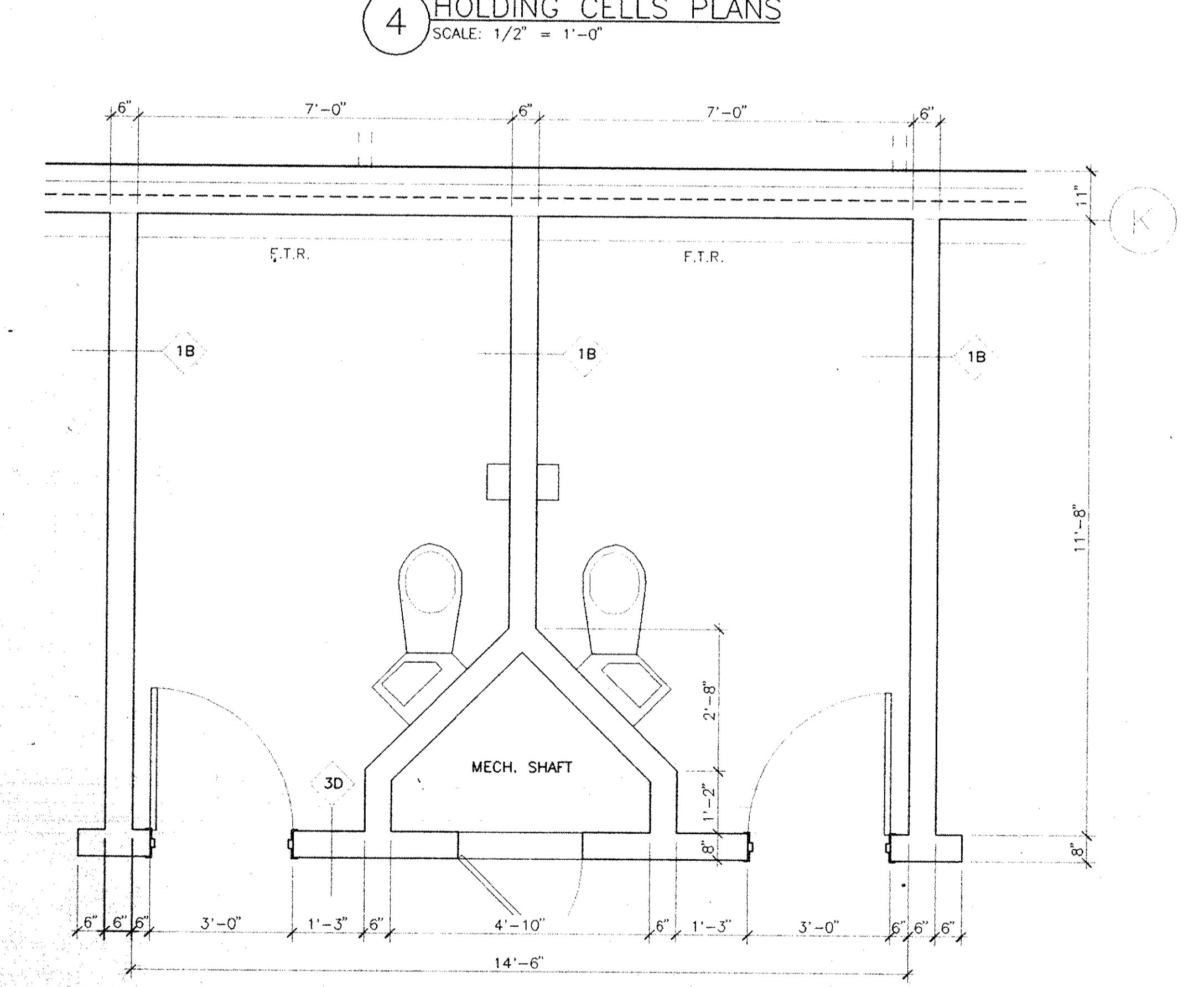
4 HOLDING CELLS PLANS
SCALE: 1/2" = 1'-0"



2 PRE CLASSIFICATION CELLS PART PLAN
SCALE: 1/2" = 1'-0"



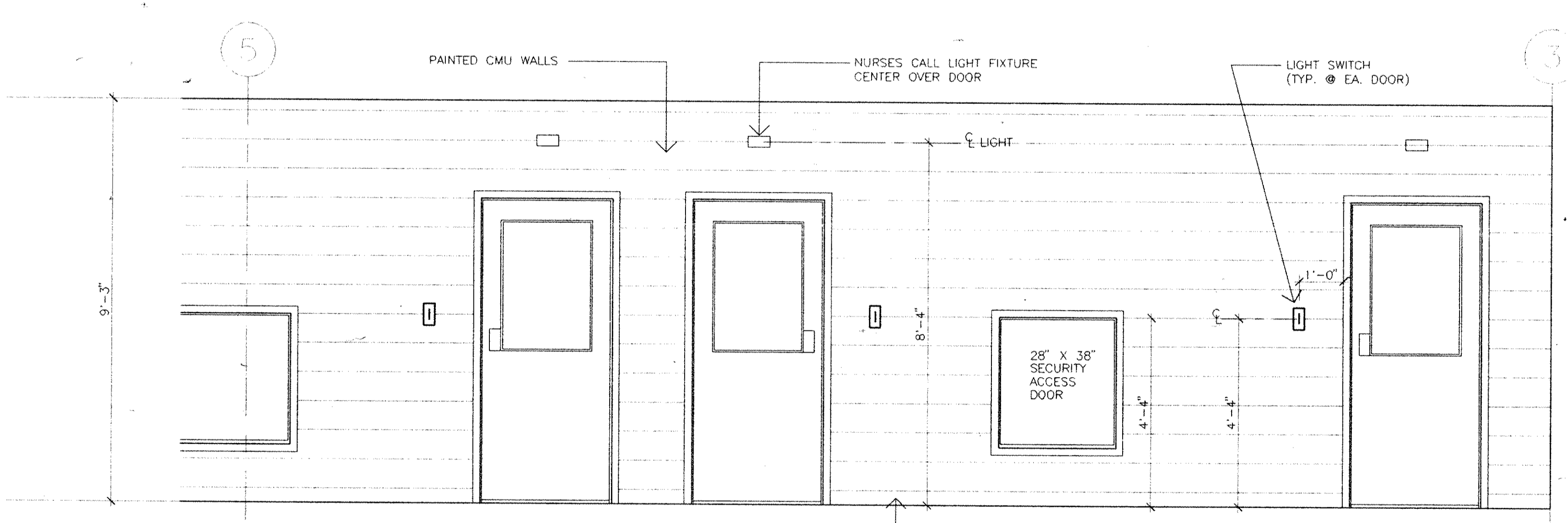
1 MEDICAL ISOLATION CELLS PLANS
SCALE: 1/2" = 1'-0"



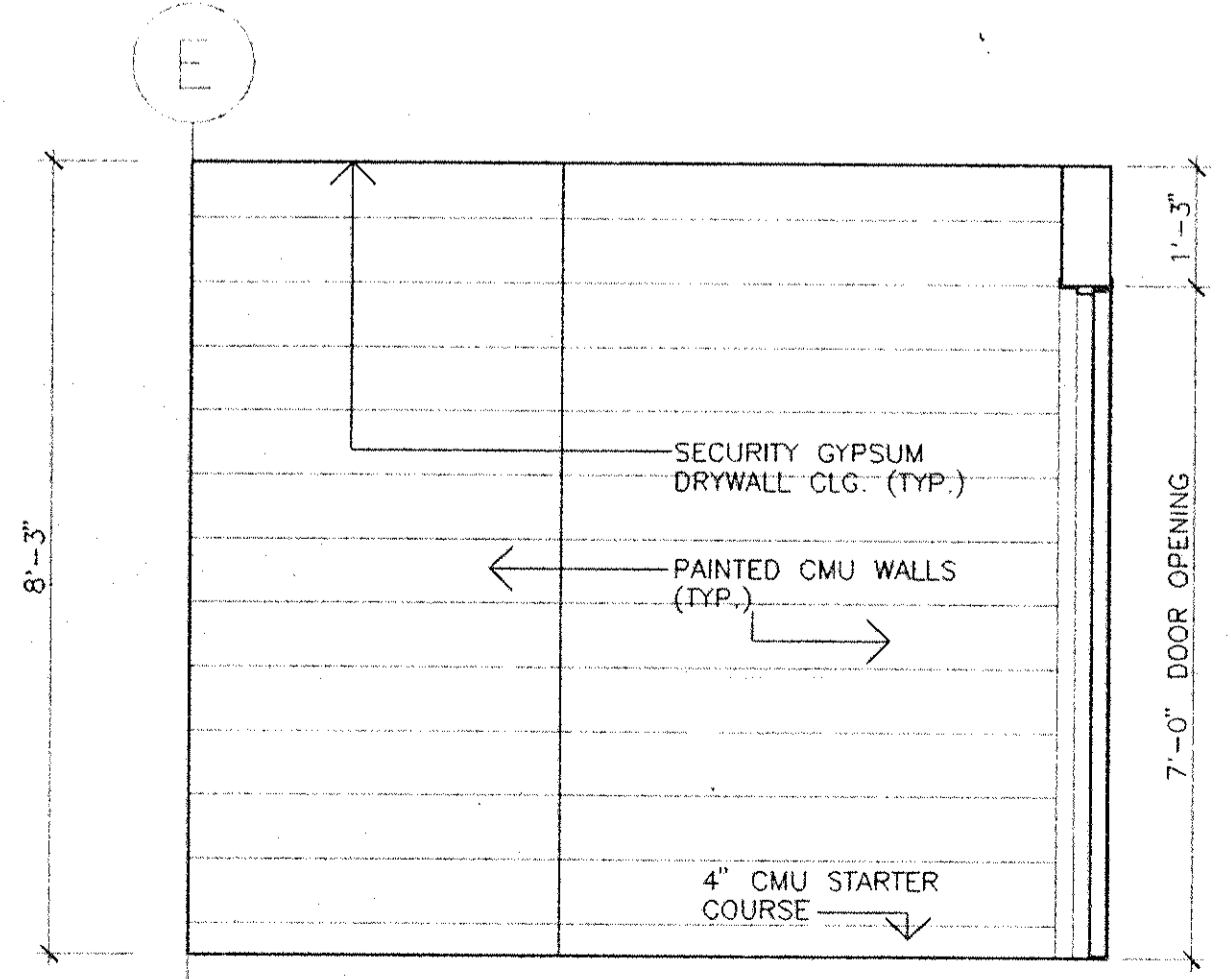
3 PRE CLASSIFICATION CELLS TYPICAL PLANS
SCALE: 1/2" = 1'-0"



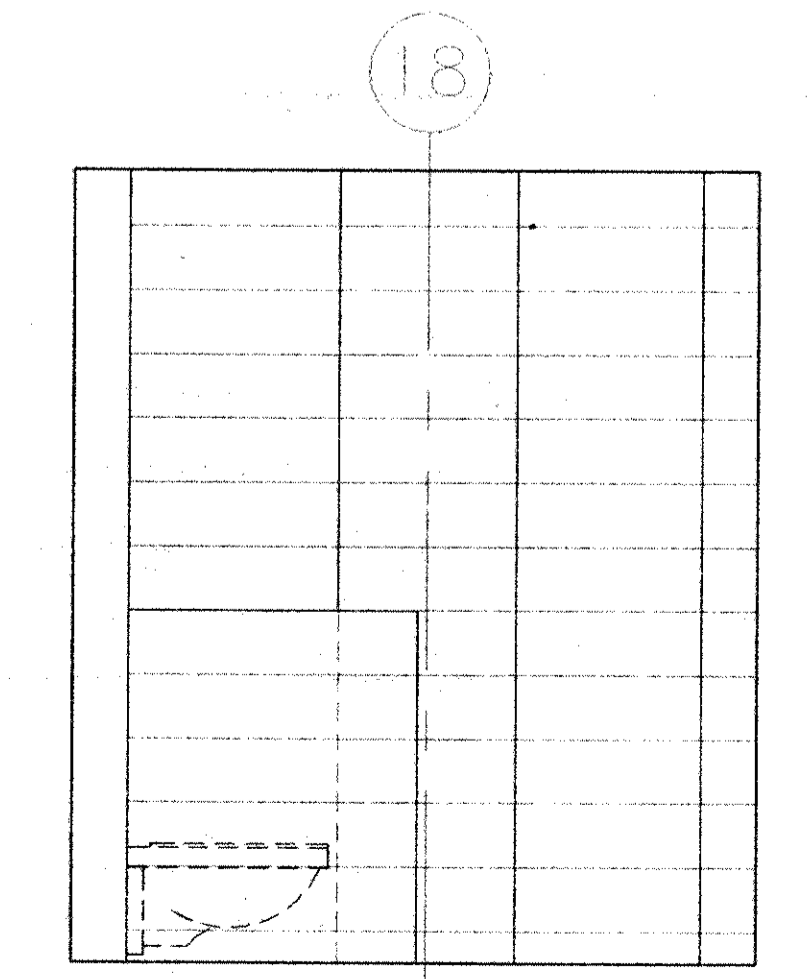
2 ELEVATION B
SCALE: 1/2" = 1'-0"



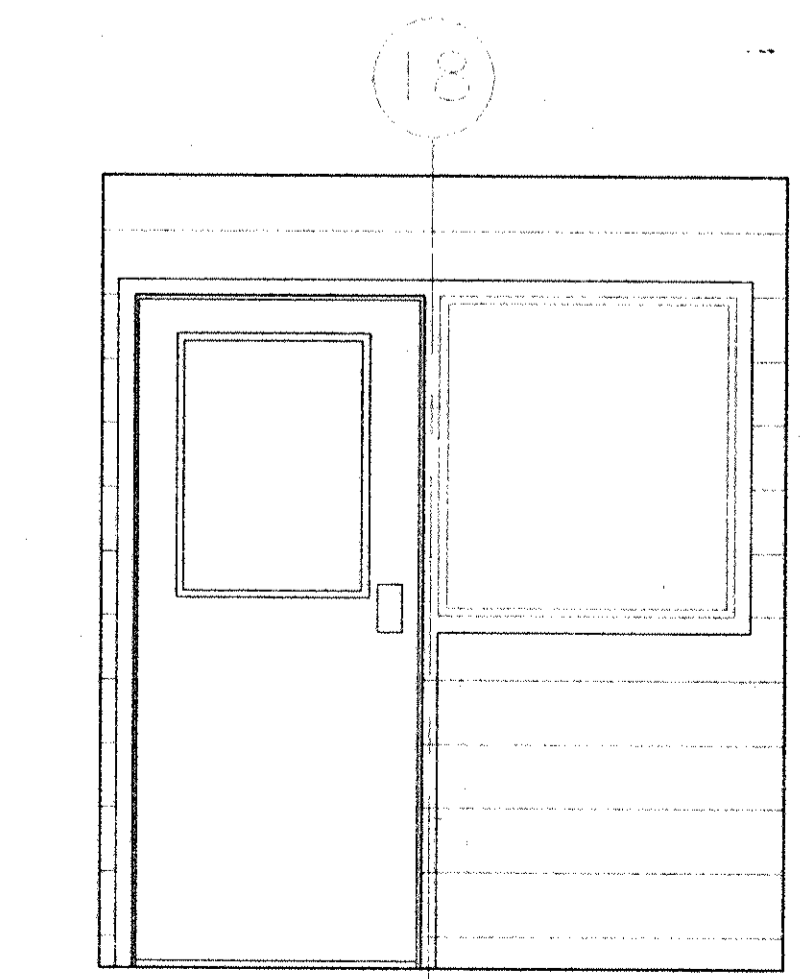
1 ELEVATION A
SCALE: 1/2" = 1'-0"



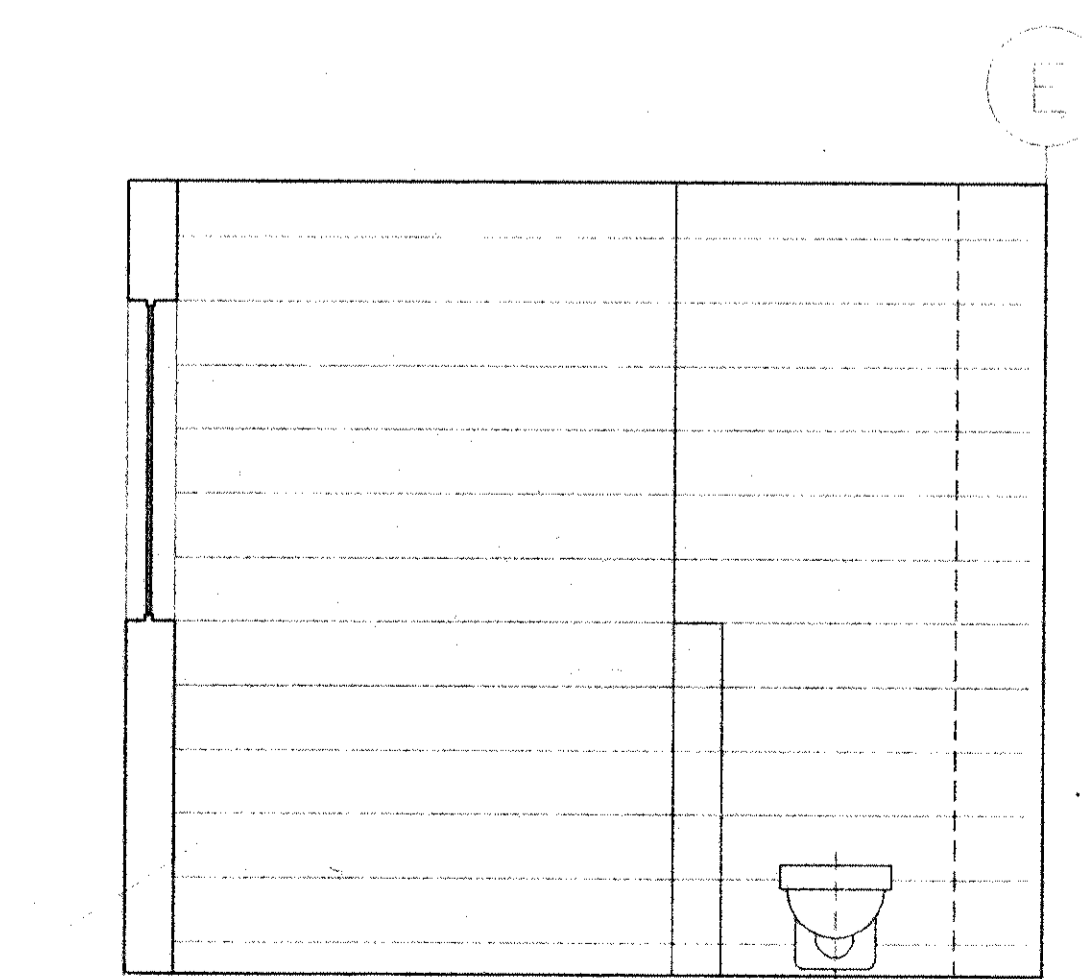
4 ELEVATION C
SCALE: 1/2" = 1'-0"



5 ELEVATION D
SCALE: 1/2" = 1'-0"



6 ELEVATION E
SCALE: 1/2" = 1'-0"

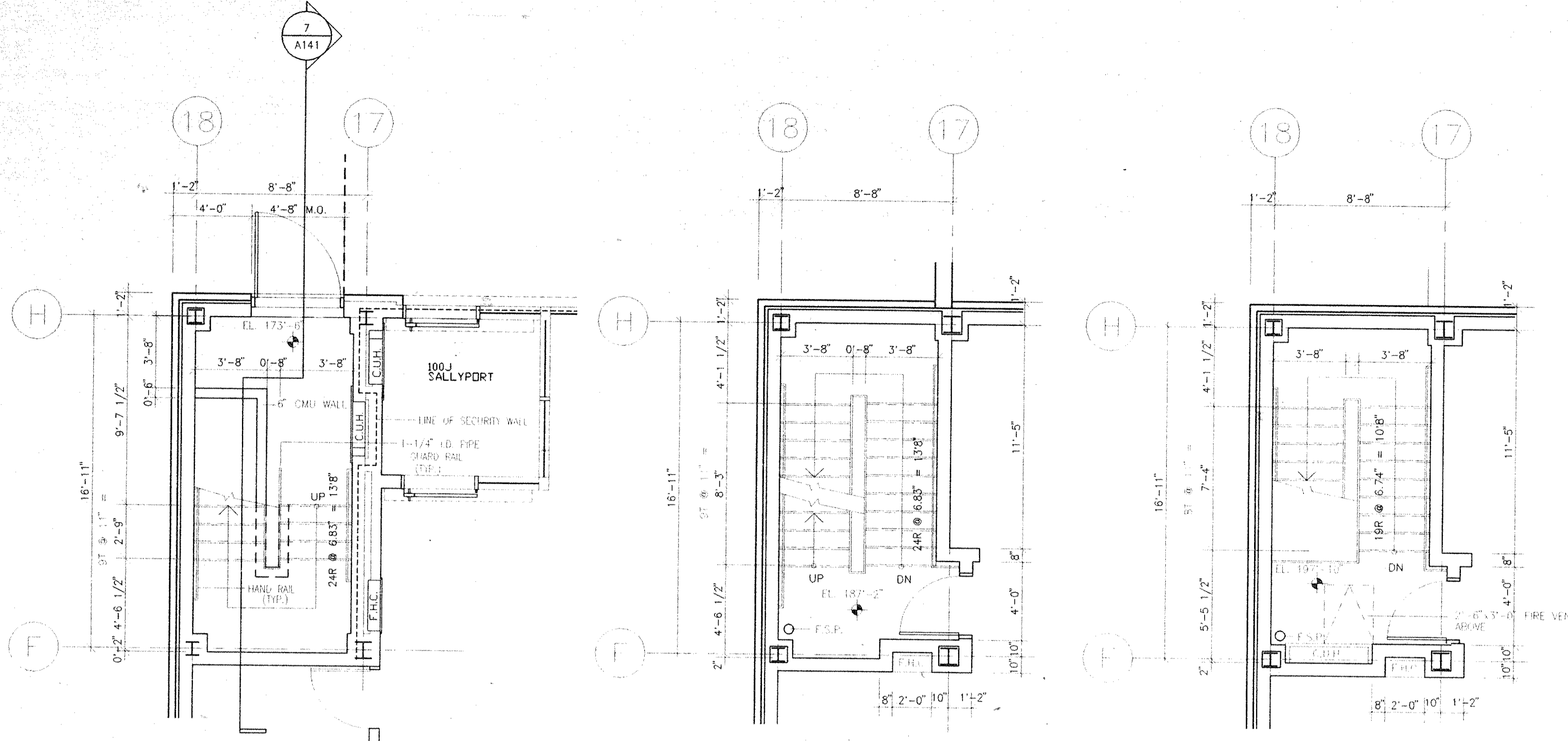


7 ELEVATION F
SCALE: 1/2" = 1'-0"

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

Owner
 County of Dutchess
 Department of Public Works
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Construction Manager
 R.C.K./C.R.S.S.
 123 Rombout Avenue
 P.O. Box 790
 Beacon, N.Y. 12508
 Fax 914/831-6071
 Tel 914/831-0943

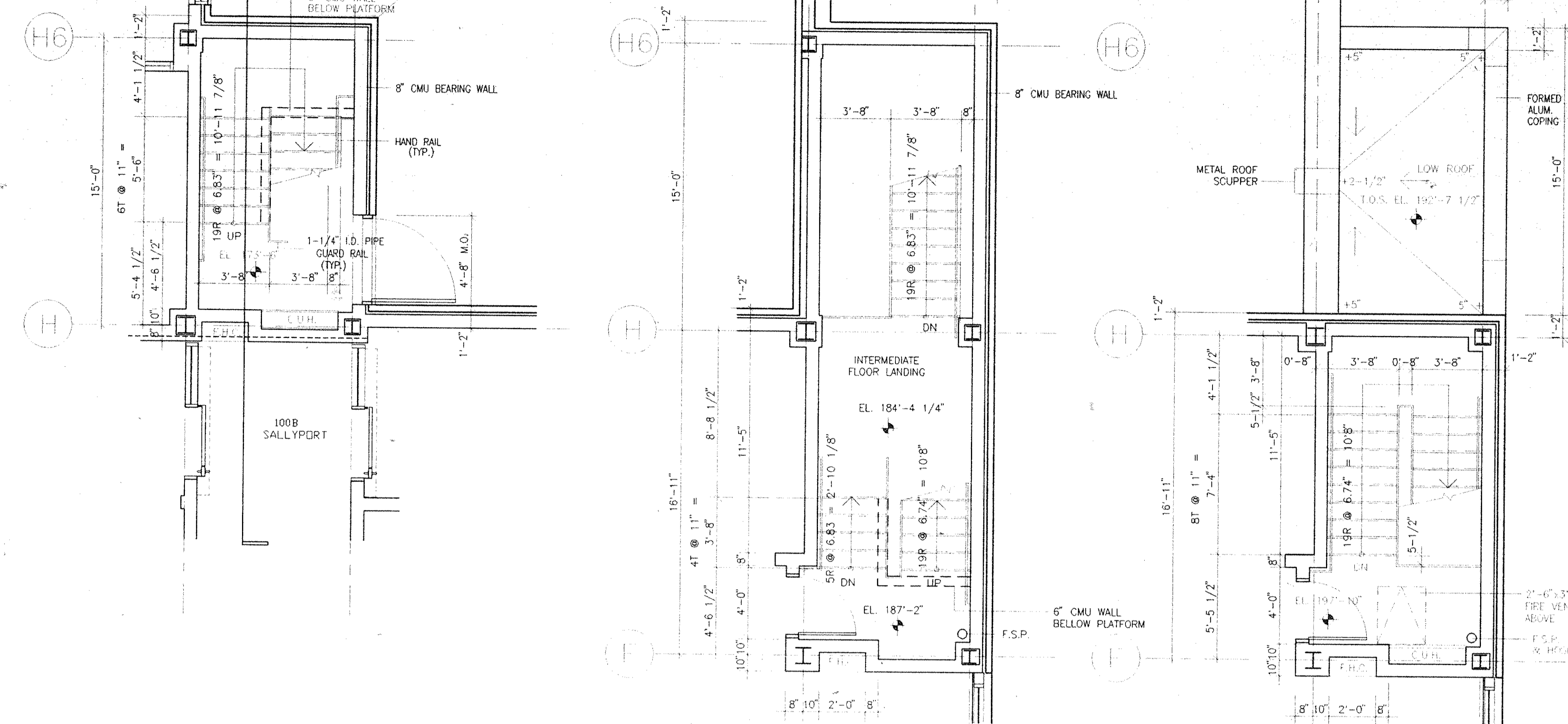


1 FIRST FLOOR PLAN
1/4" = 1'-0"

2 SECOND FLOOR PLAN
1/4" = 1'-0"

3 THIRD FLOOR PLAN
1/4" = 1'-0"

STAIR NO. 7

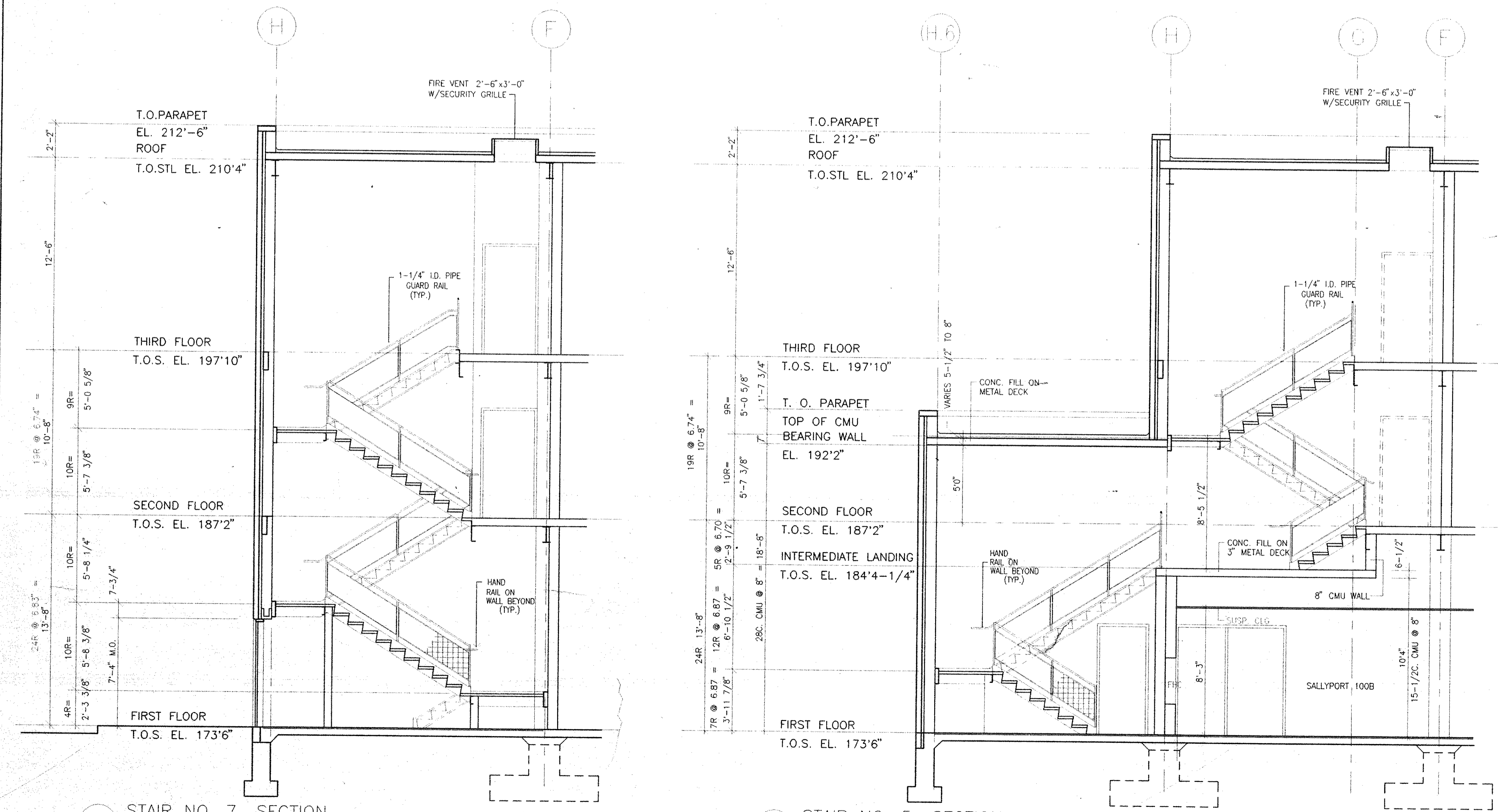


4 FIRST FLOOR PLAN
1/4" = 1'-0"

5 SECOND FLOOR PLAN
1/4" = 1'-0"

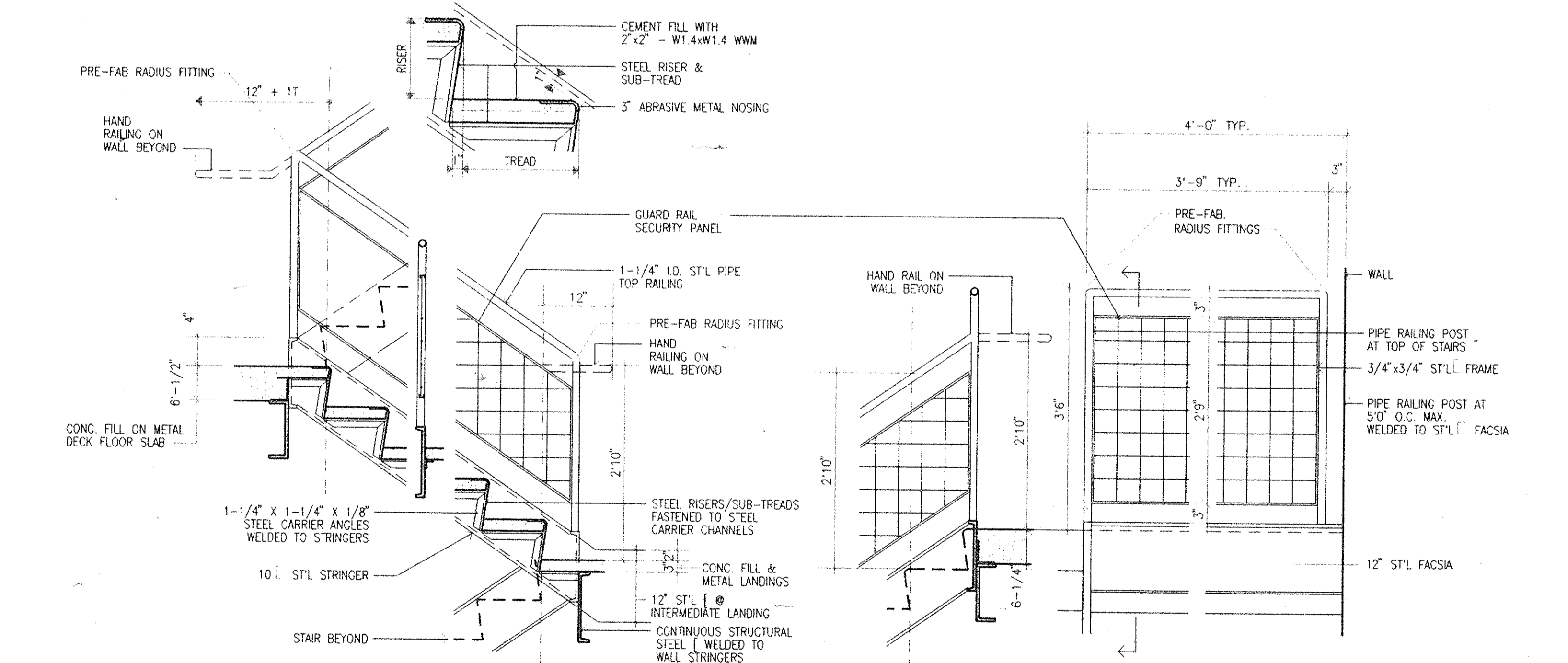
6 THIRD FLOOR PLAN
1/4" = 1'-0"

STAIR NO. 5



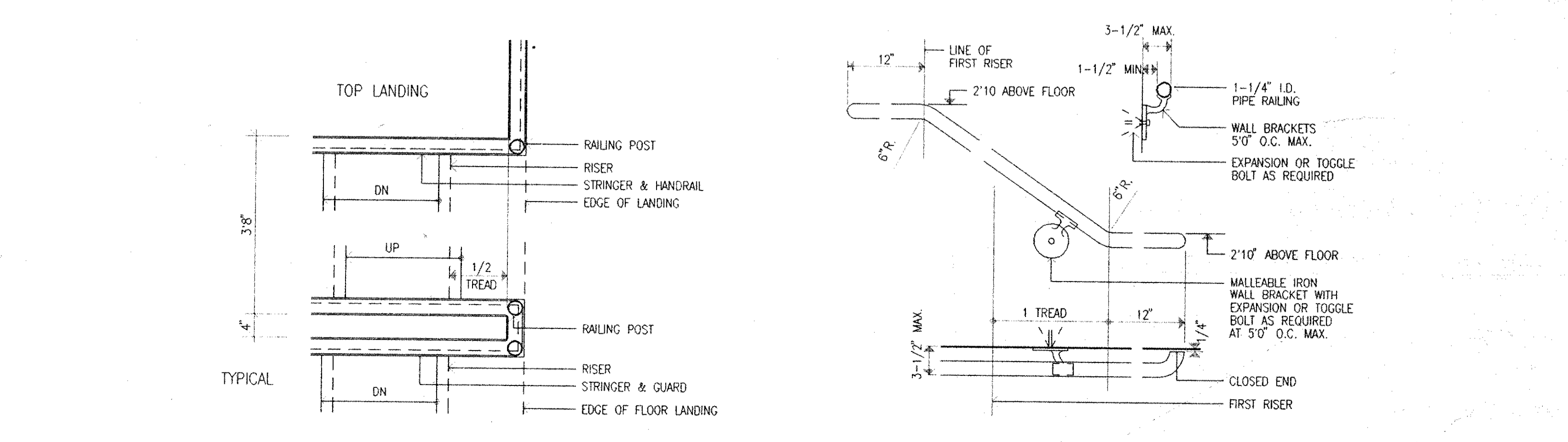
7 STAIR NO. 7 SECTION
1/4" = 1'-0"

8 STAIR NO. 5 SECTION
1/4" = 1'-0"



9 STAIR SECTION
3/4" = 1'-0"

10 RAILING AT TOP LANDING
3/4" = 1'-0"



11 PLAN AT STAIR LANDINGS
1-1/2" = 1'-0"

12 WALL RAILING BRACKETS
1-1/2" = 1'-0"

Architects Planners & Interior Designers
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 Tel 212/563-9154

Structural Engineers
 DeStefano, Chapin & Dobryn P.C.
 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211

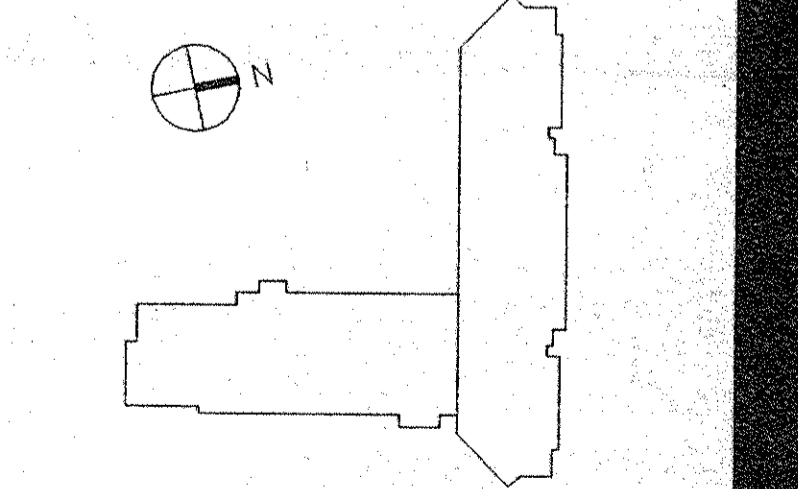
Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
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 Tel 212/382-1800

Civil Engineers
 Paggi & Martin
 54-56 Main Street
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No.	Date	Revision
8	08.05.94	GENERAL REVISIONS
7	04.29.94	BID ISSUE
6	03.21.94	COST ESTIMATE ISSUE
5	03.14.94	BULLETIN NO. 6
4	02.11.94	STAGE 2 ADDENDUM 2.5
3	01.28.94	ADDENDUM NO. 2.3
2	01.17.94	STAGE 2 BID ISSUE
1	12.20.93	STAGE 2 ESTIMATE ISSUE

Drawn By: BT Date: 12.17.93
 Checked By: RFG Date: 12.20.93
 Issue Date: 20 DECEMBER 20 1993
 Scale: AS NOTED
 Key Plan



Drawing Title
**STAIR NOS. 5&7
 PLANS, SECTIONS
 & DETAILS**

CS Project No. 91-1286
 RA Project # 99301.00
 Drawing No.

A141

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

Owner
 County of Dutchess
 Department of Public Works
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Structural Engineers
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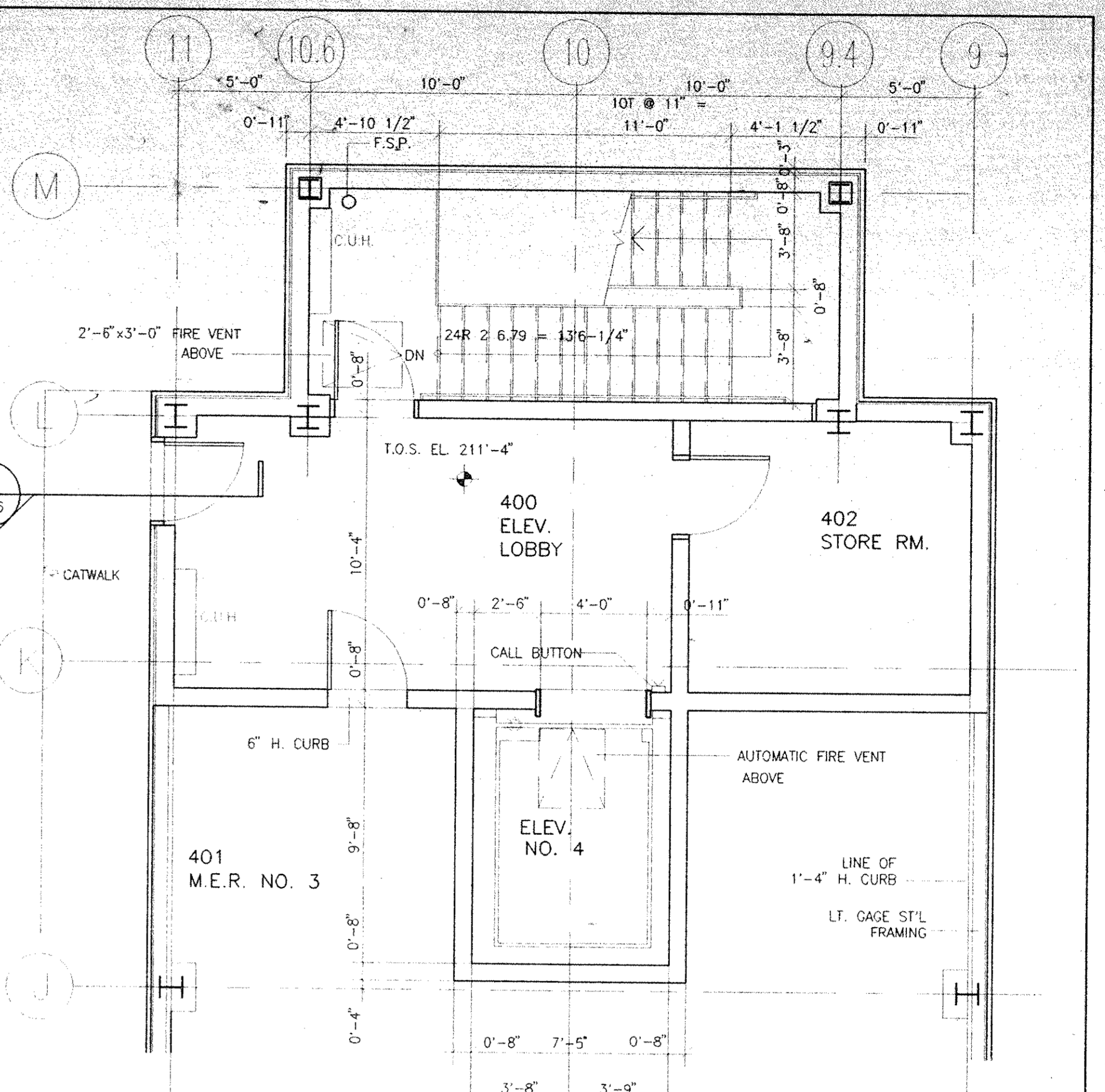
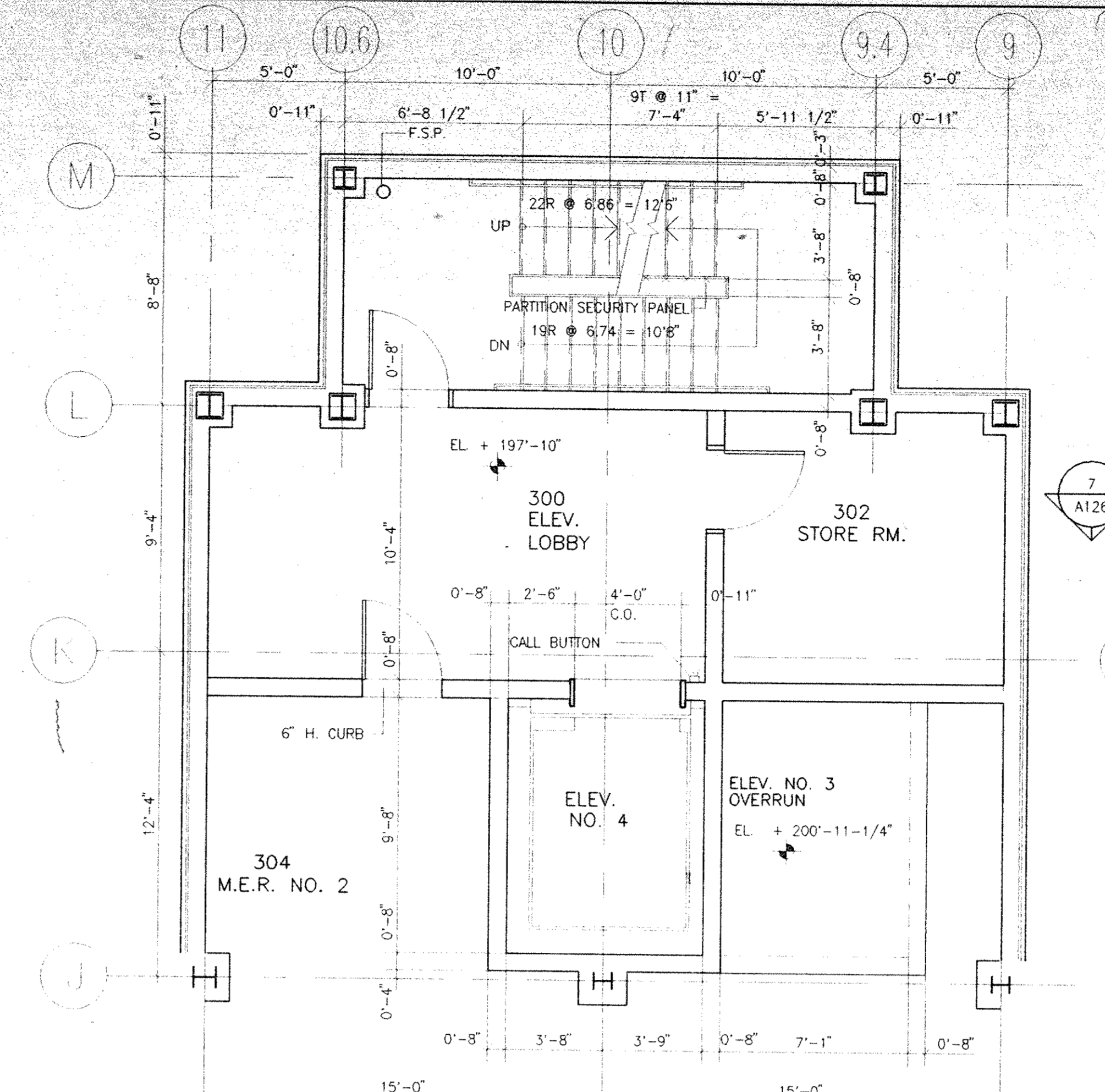
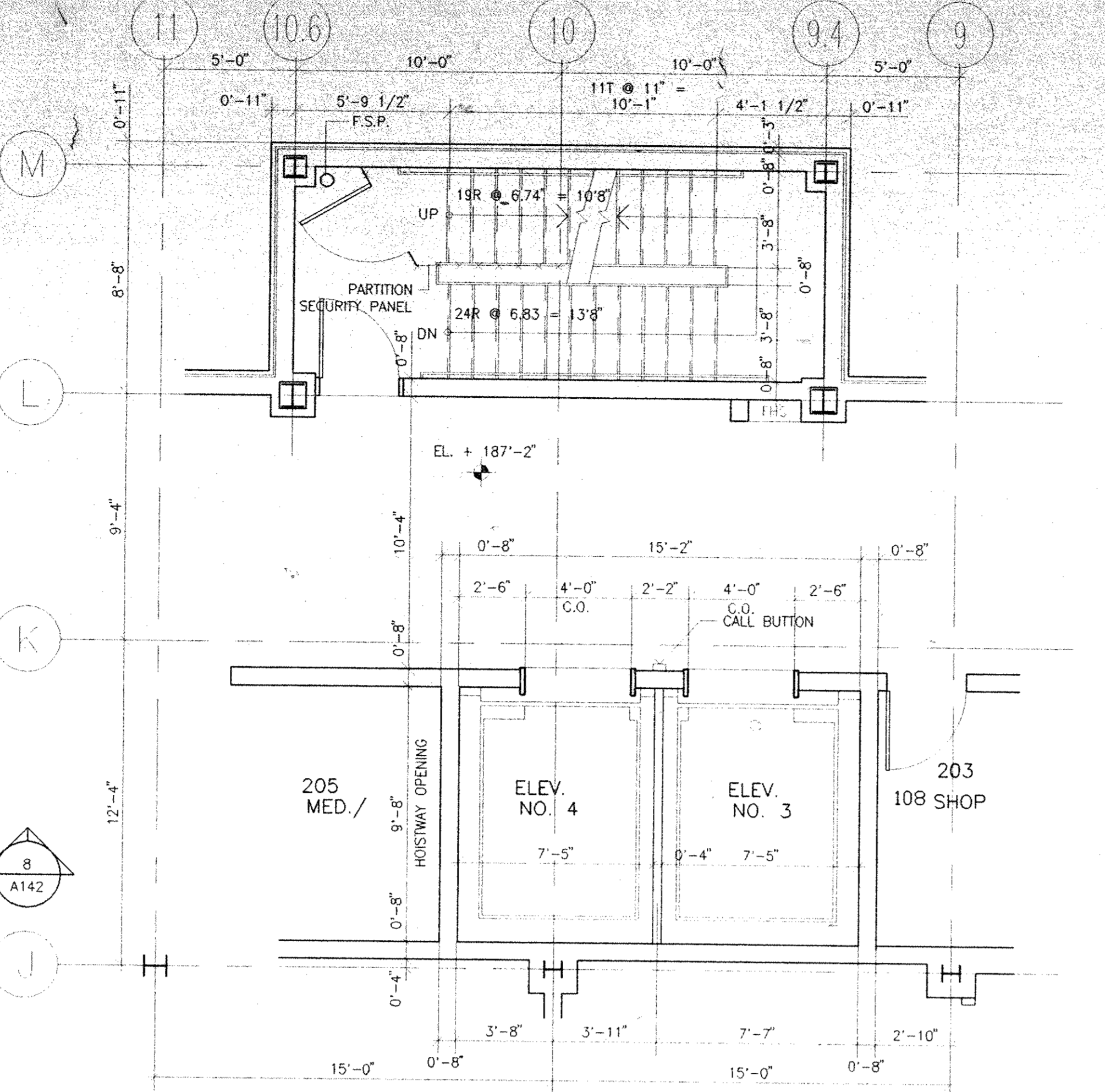
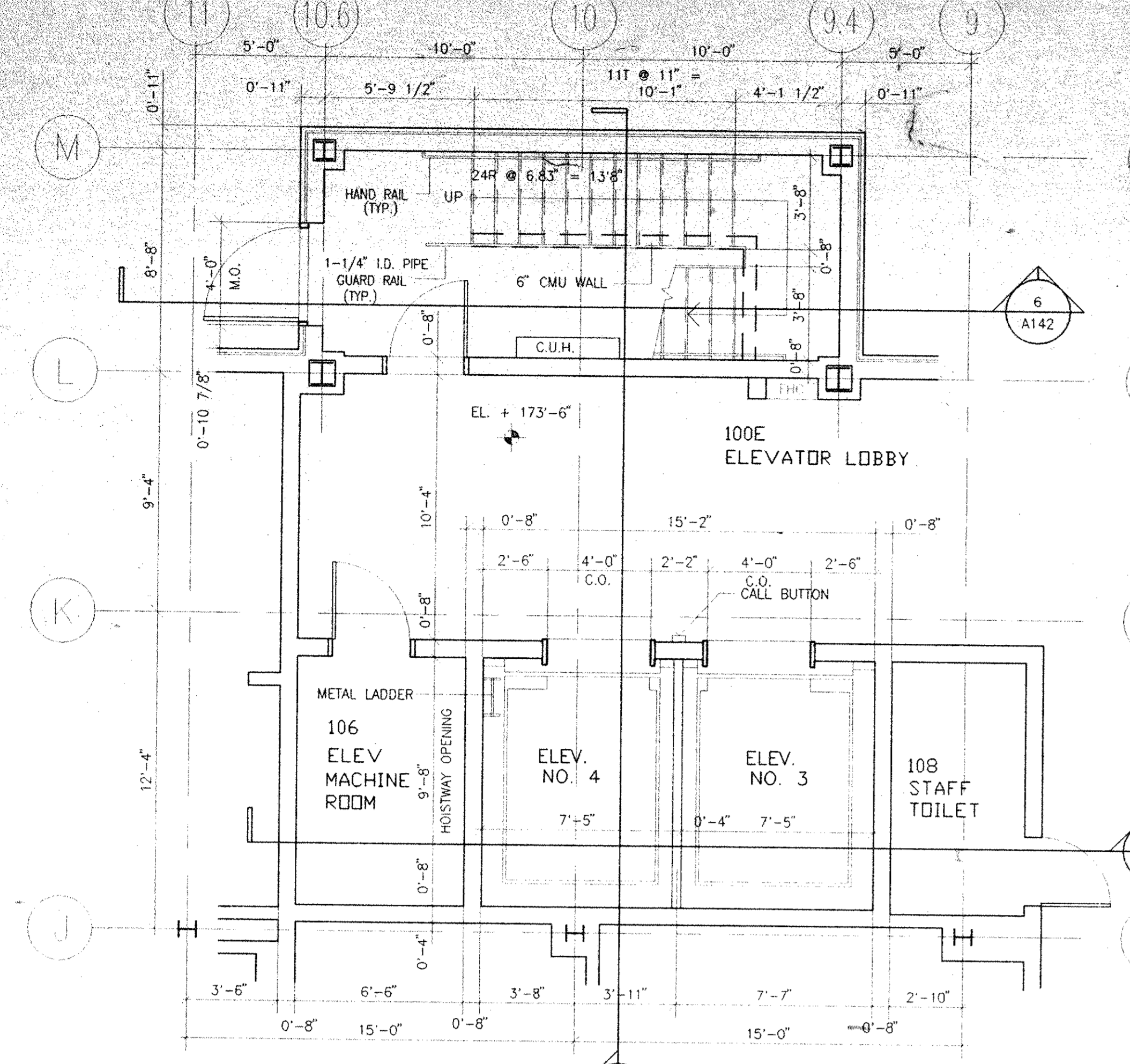
Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
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 Tel 212/382-1800

Civil Engineers
 Papp & Martin
 54-56 Main Street
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REVISIONS

No.	Date	Revision
8	08.05.94	GENERAL REVISIONS
7	04.29.94	BID ISSUE
6	03.21.94	COST ESTIMATE ISSUE
5	03.14.94	BULLETIN NO. 6
4	02.11.94	STAGE 2 ADDENDUM NO. 2.5
3	01.28.94	ADDENDUM NO. 2.3
2	01.17.94	STAGE 2 BID ISSUE
1	12.20.93	STAGE 2 ESTIMATE ISSUE

Drawn By: BT Date: 12.17.93
 Checked By: RFG Date: 12.20.93
 Issue Date: 20 DECEMBER 1993
 Scale: AS NOTED
 Key Plan

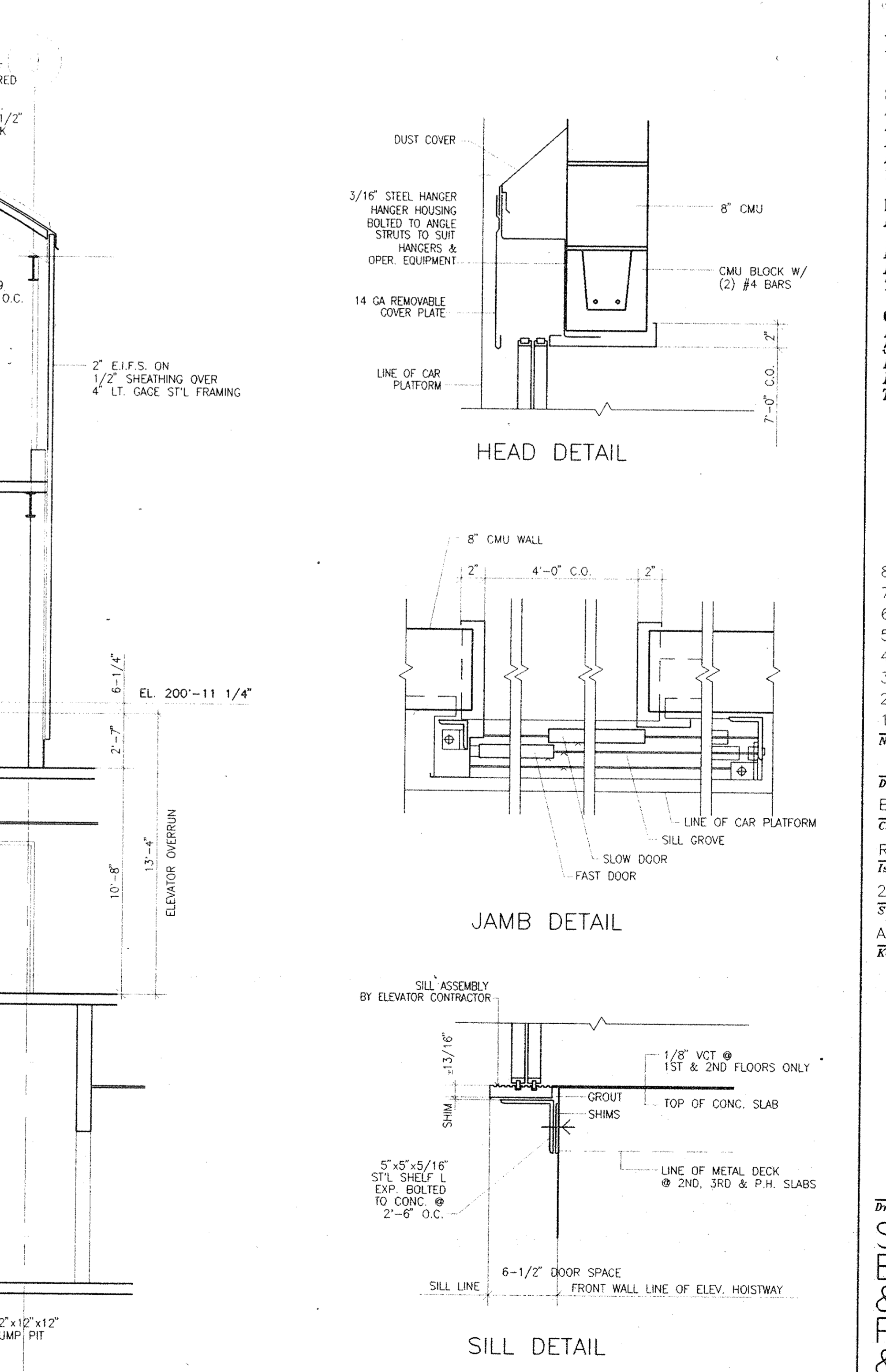
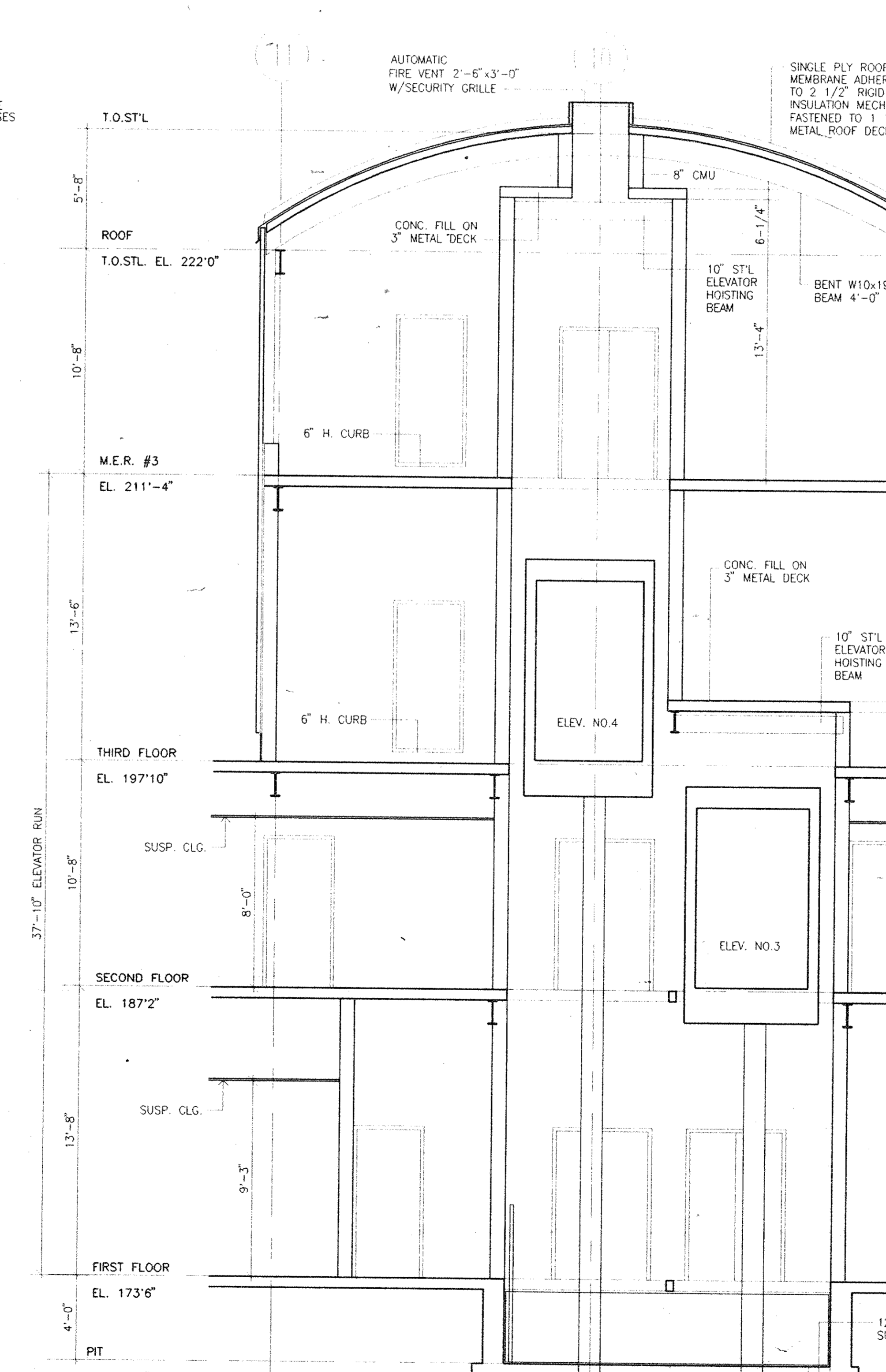
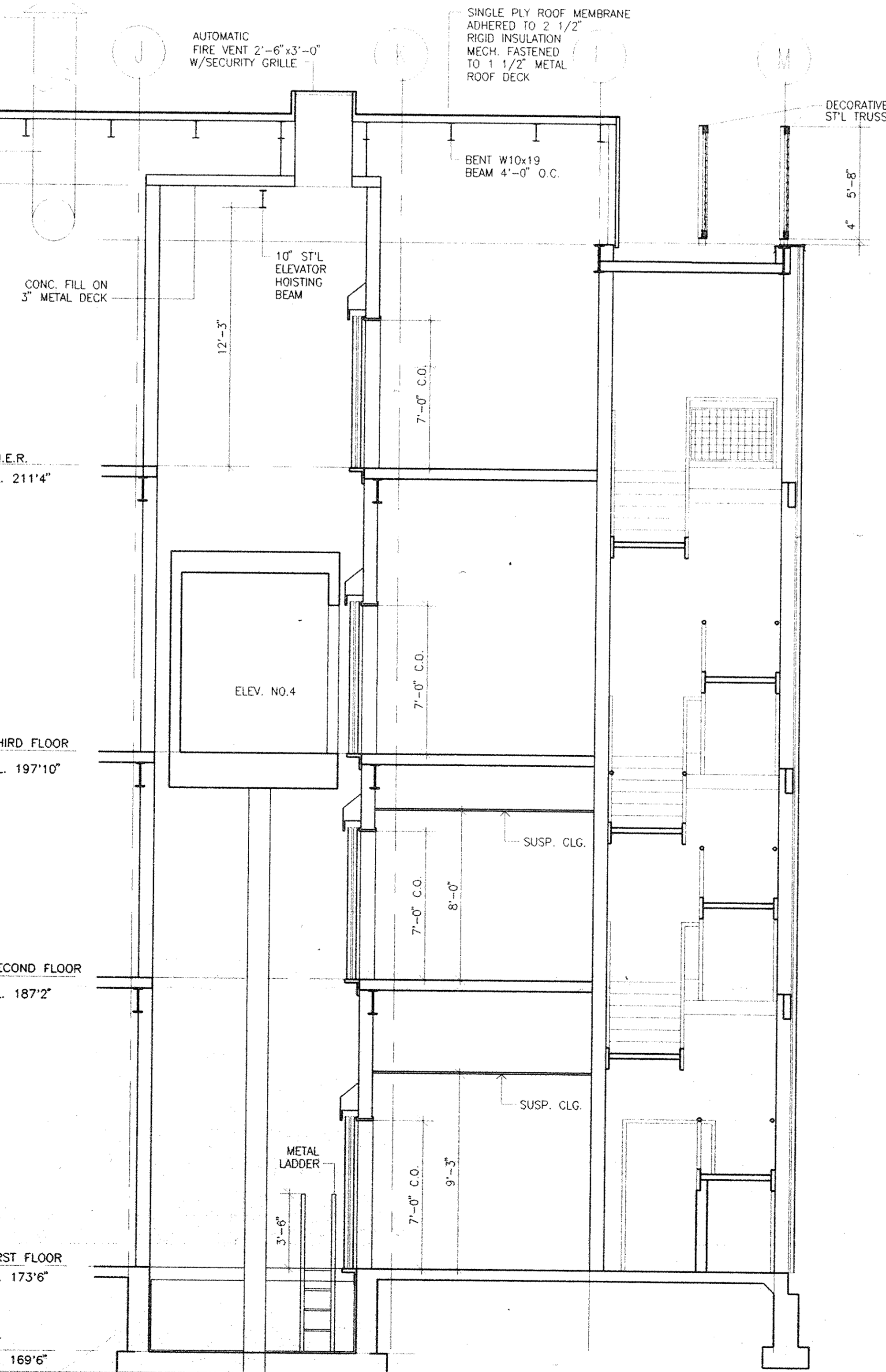
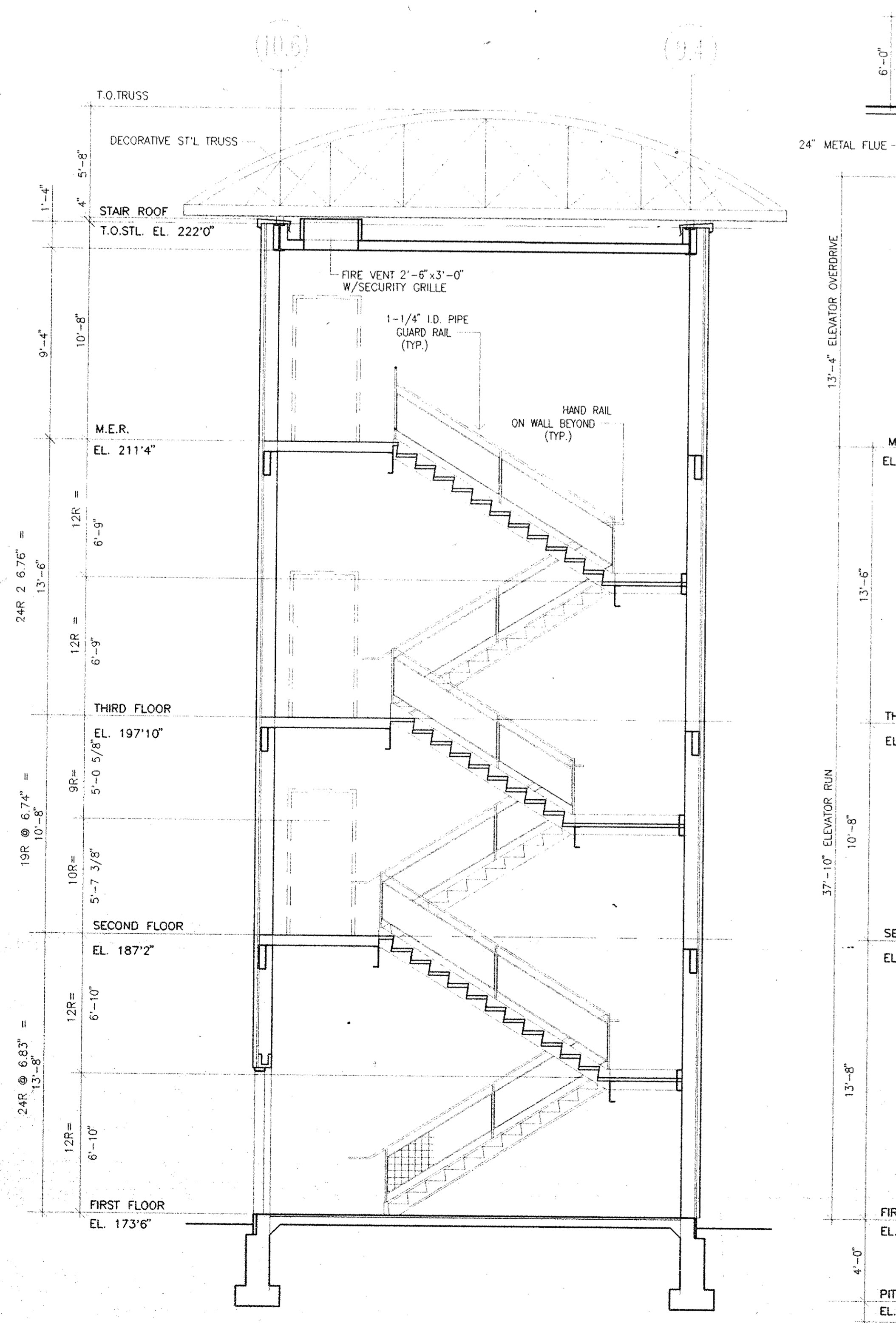


1 FIRST FLOOR PLAN
 1/4" = 1'-0"

2 SECOND FLOOR PLAN
 1/4" = 1'-0"

3 M.E.R. NO. 2 PLAN
 1/4" = 1'-0"

4 M.E.R. NO. 3 PLAN
 1/4" = 1'-0"



6 STAIR NO. 6 SECTION
 1/4" = 1'-0"

7 ELEVATOR SECTION "A"
 1/4" = 1'-0"

8 ELEVATOR SECTION "B"
 1/4" = 1'-0"

9 ELEVATOR HOISTWAY DETAILS
 1-1/2" = 1'-0"

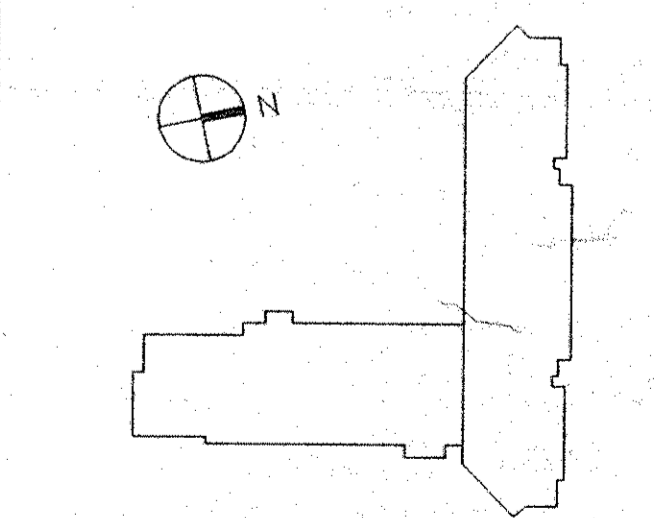
STAIR NO. 6 AND ELEVATOR NOS. 3 & 4 PLANS, SECTIONS & DETAILS

65 Project No. 81-1886
 RA Project # 82001.00
 Drawing No. A142

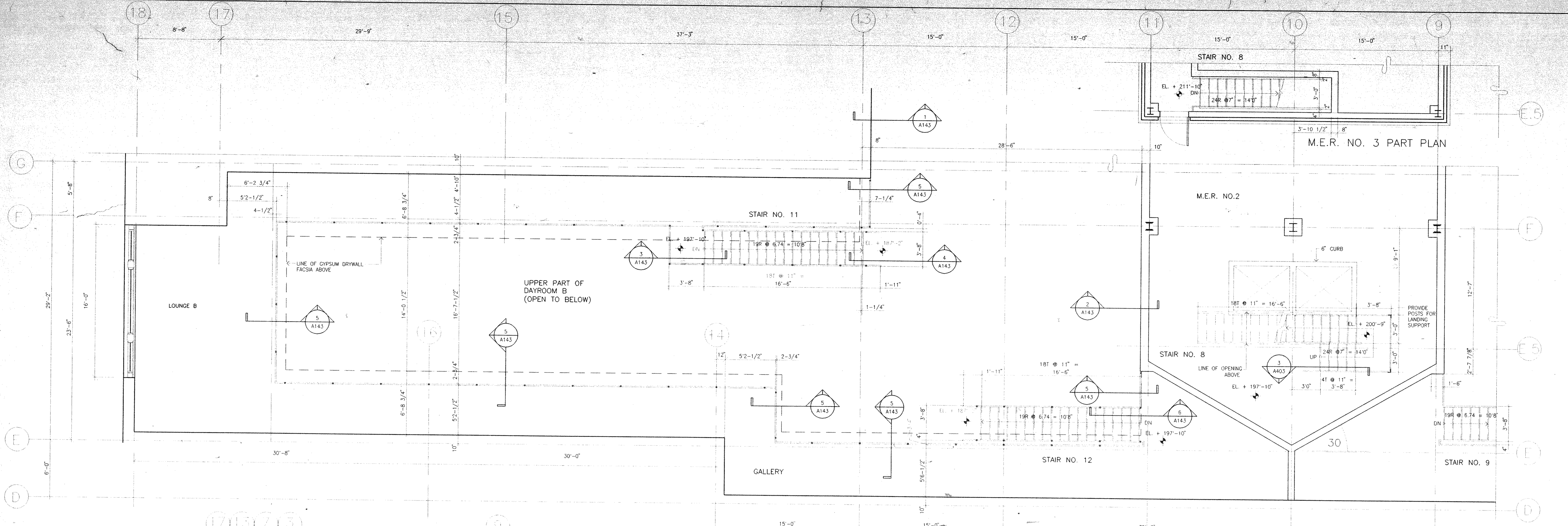


No.	Date	Revision
8	08.05.94	GENERAL REVISIONS
7	04.29.94	BID ISSUE
6	03.21.94	COST ESTIMATE ISSUE
5	03.14.94	BULLETIN NO. 6
4	02.11.94	STAGE 2 ADDENDUM 2.5

Drawn By	Date
BT	12.17.93
Checked By	Date
RFG	12.20.93
Issue Date	20 DECEMBER 1993
Scale	AS NOTED
Key Plan	



STAIRS NOS. 8 TO 12 PLANS & DETAILS



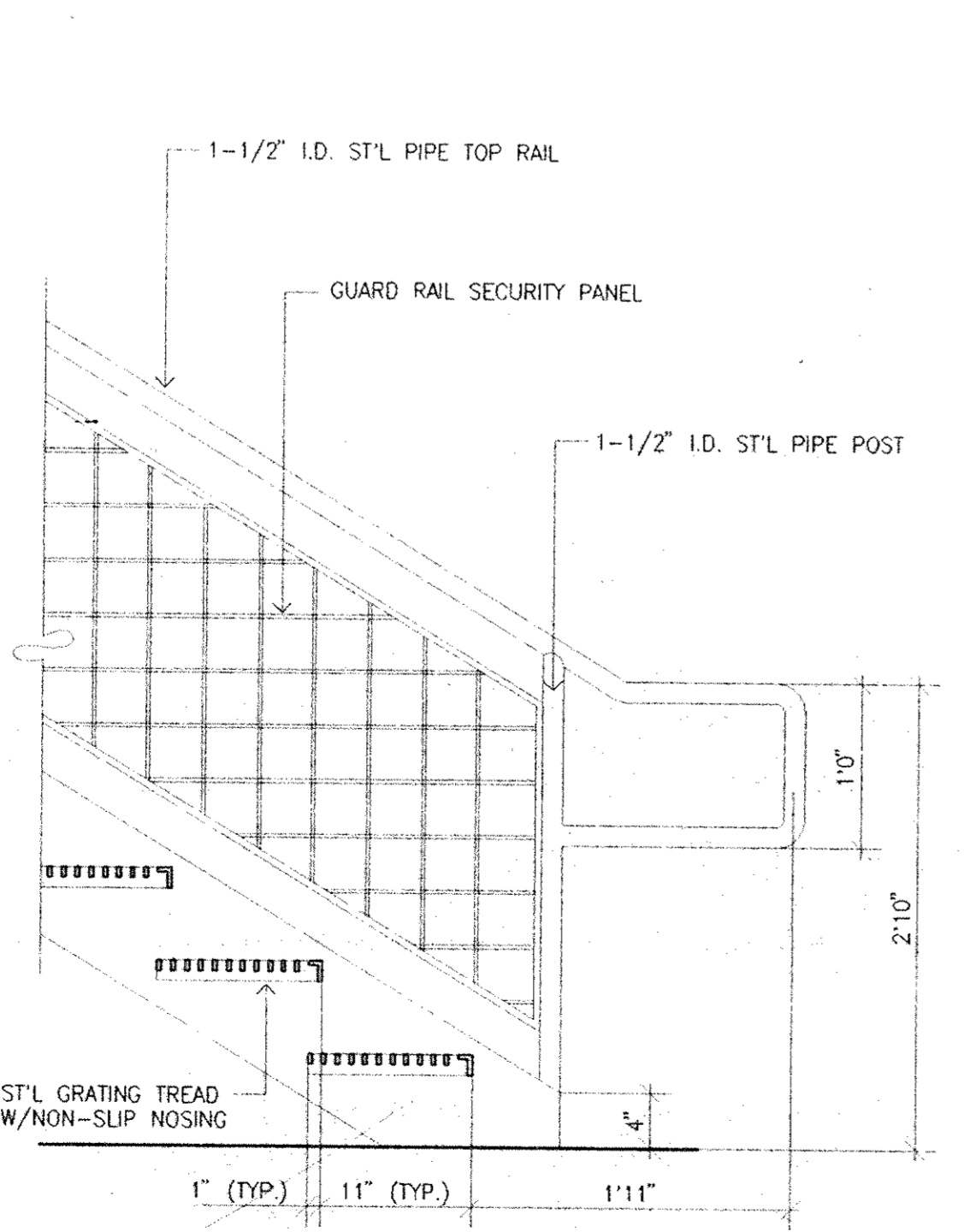
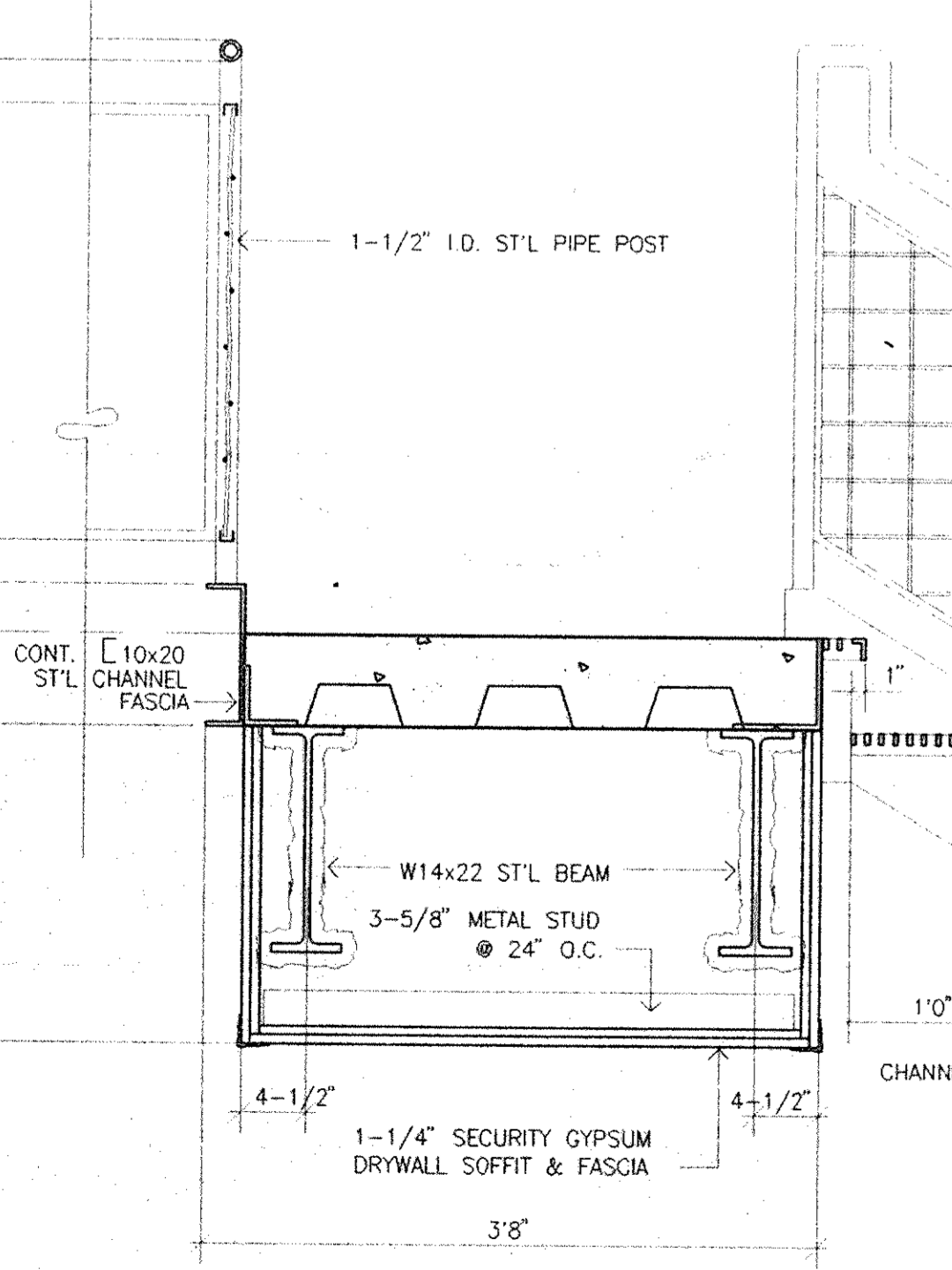
THIRD FLOOR PART PLAN



STAIRS NOS. 9 AND 10
SIMILAR BUT OPPOSITE HAND TO
STAIRS NOS. 12 & 11

SECTION NO. 1
1" = 1'-0"

SECTION NO. 2
1" = 1'-0"

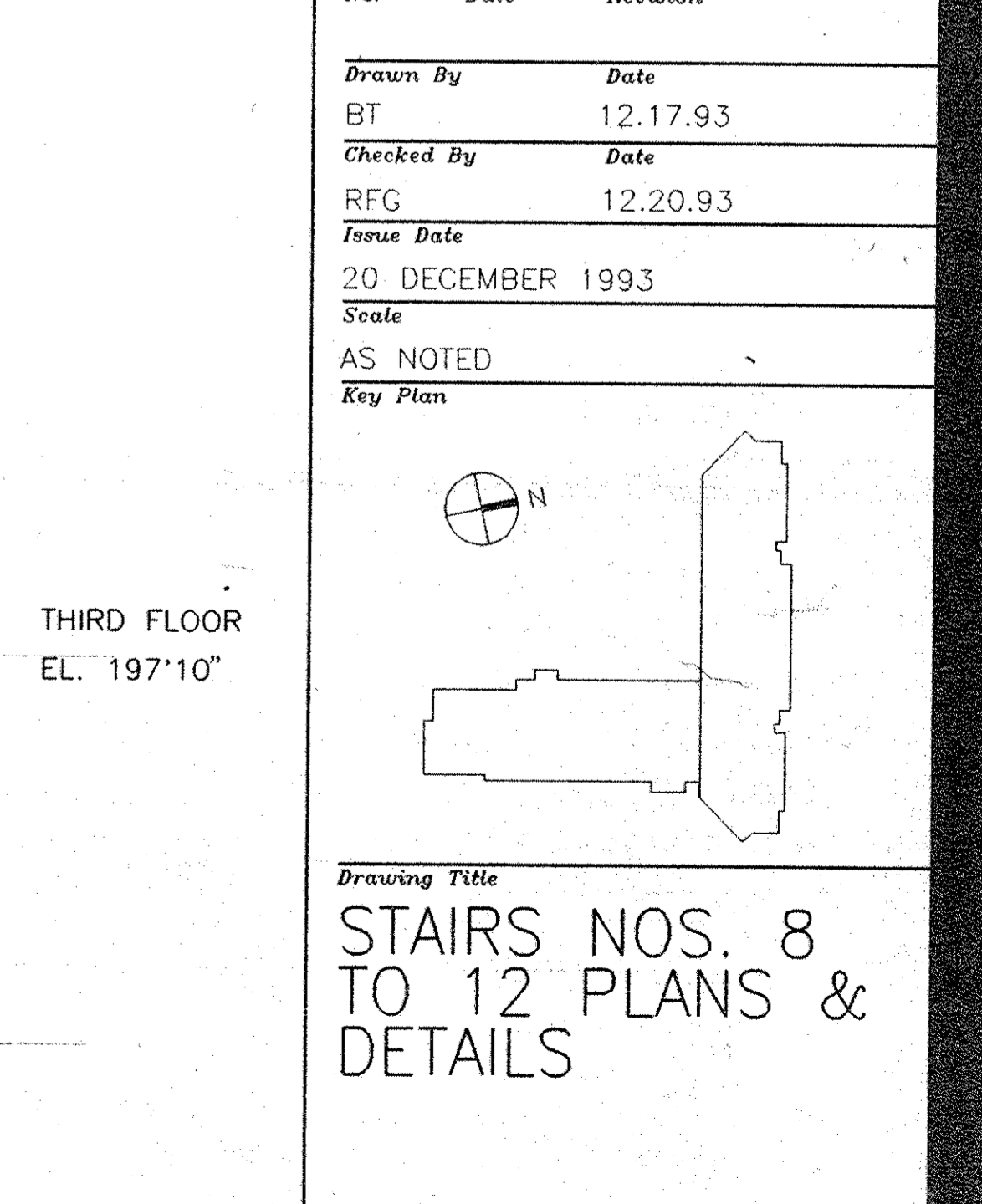
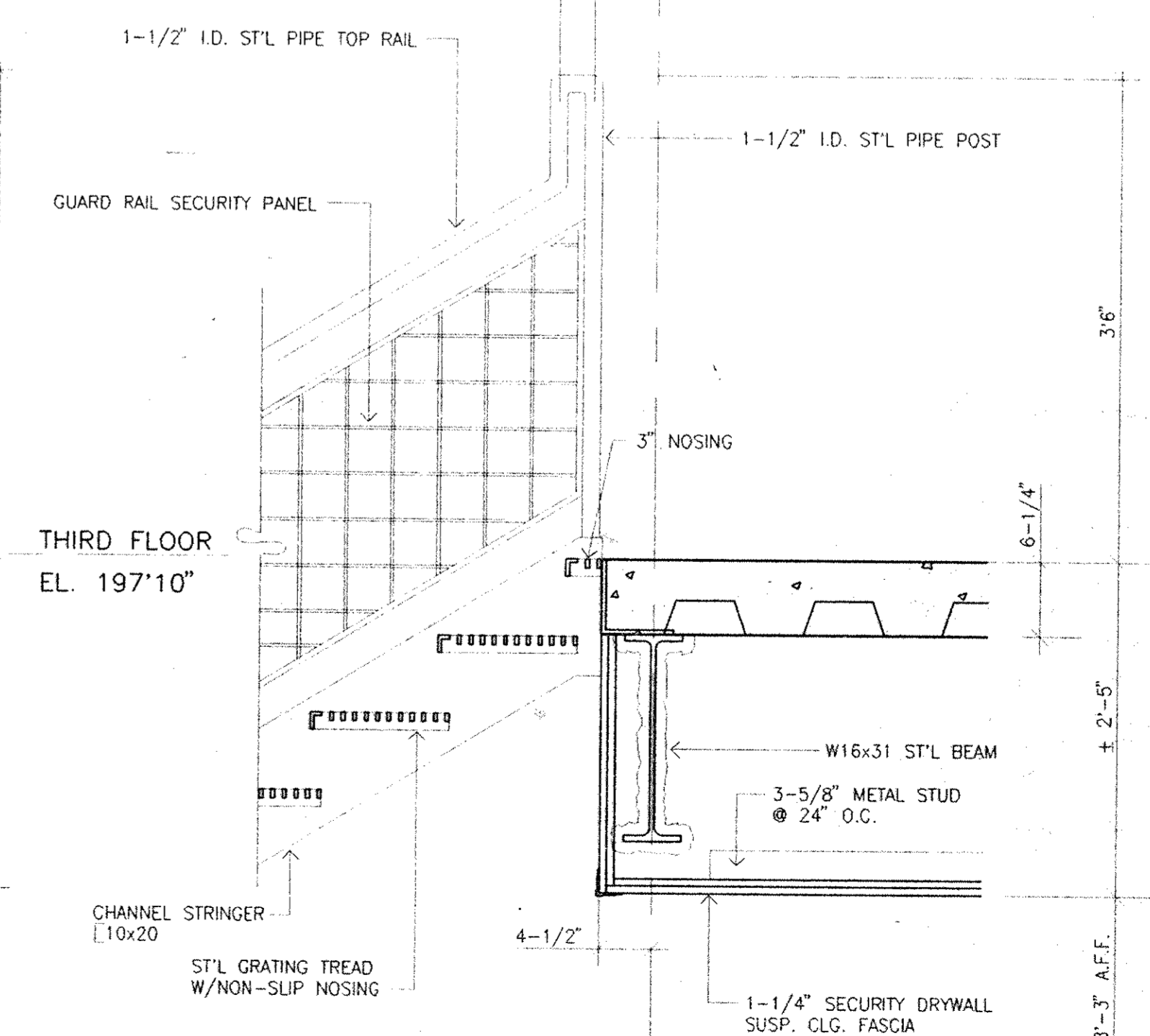
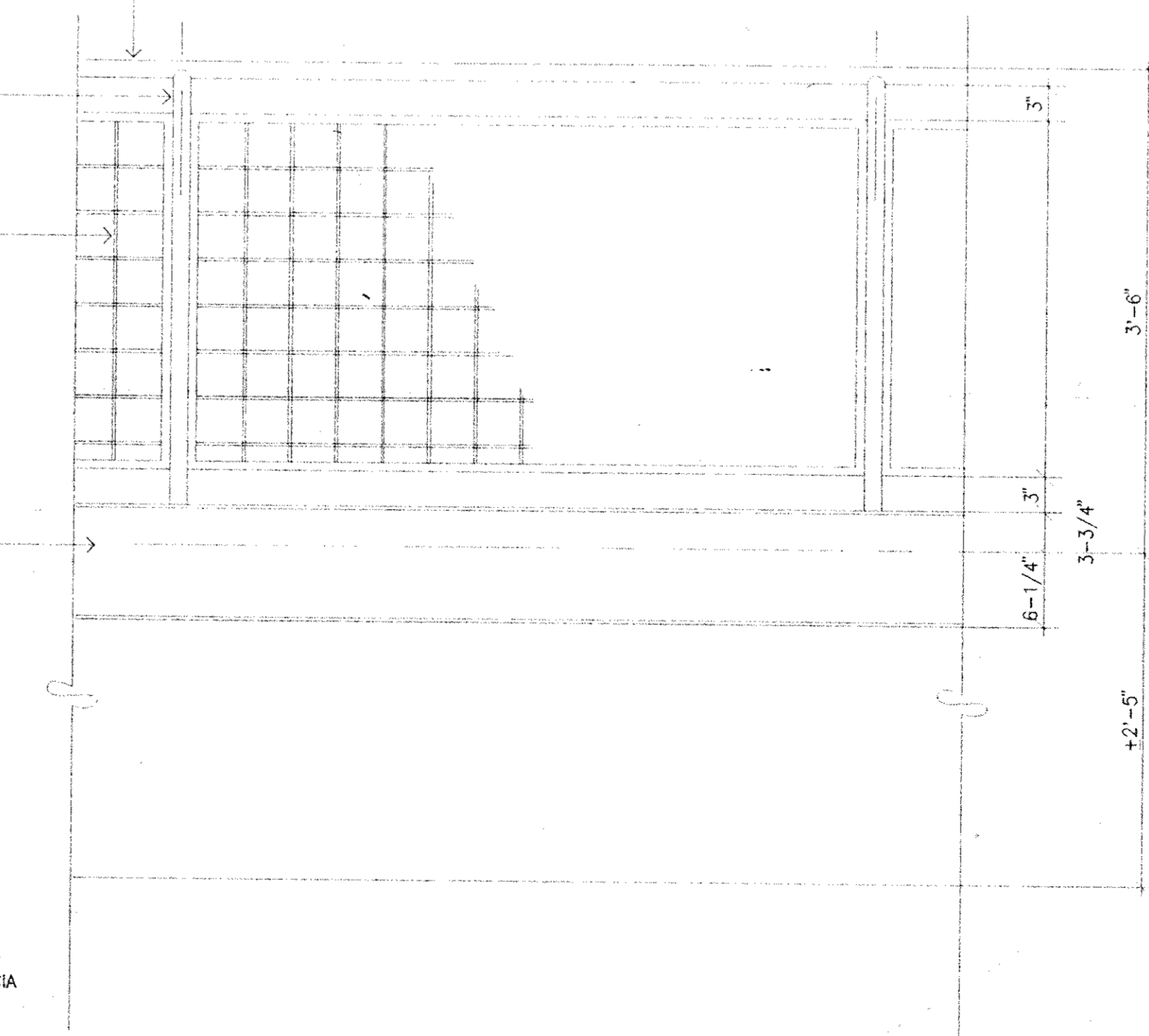
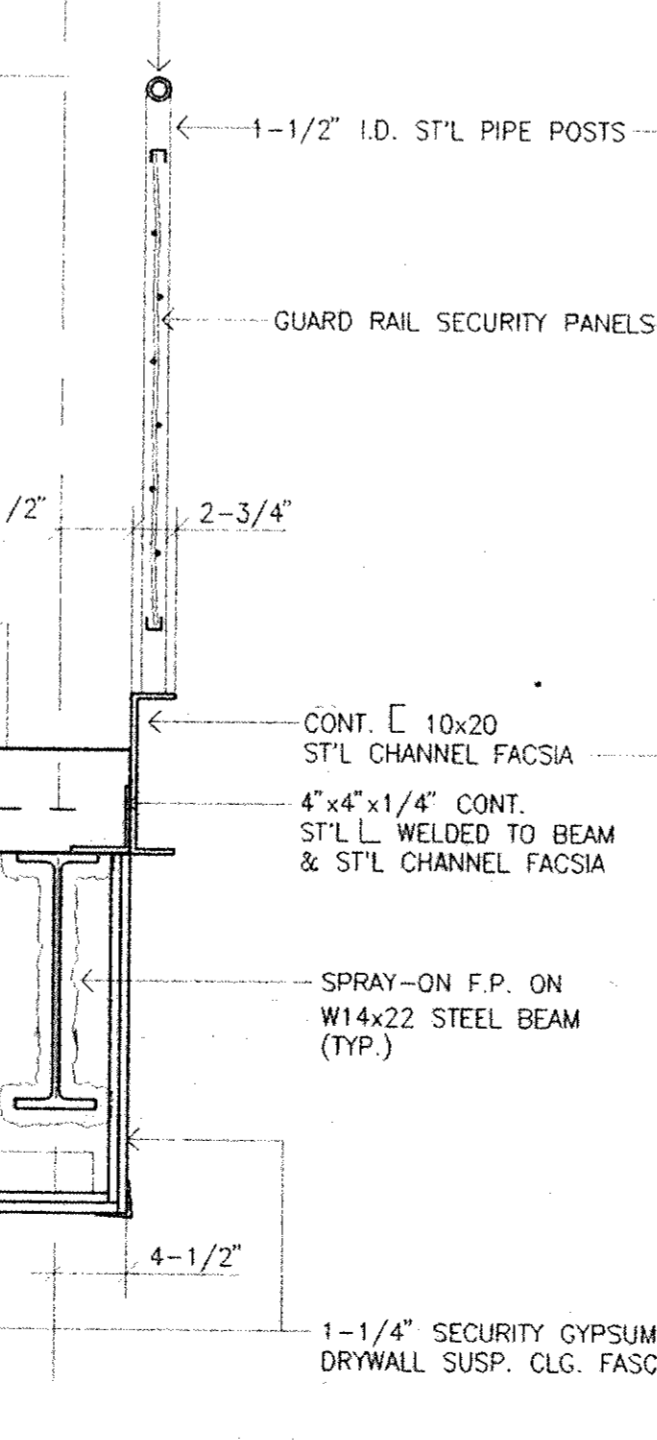
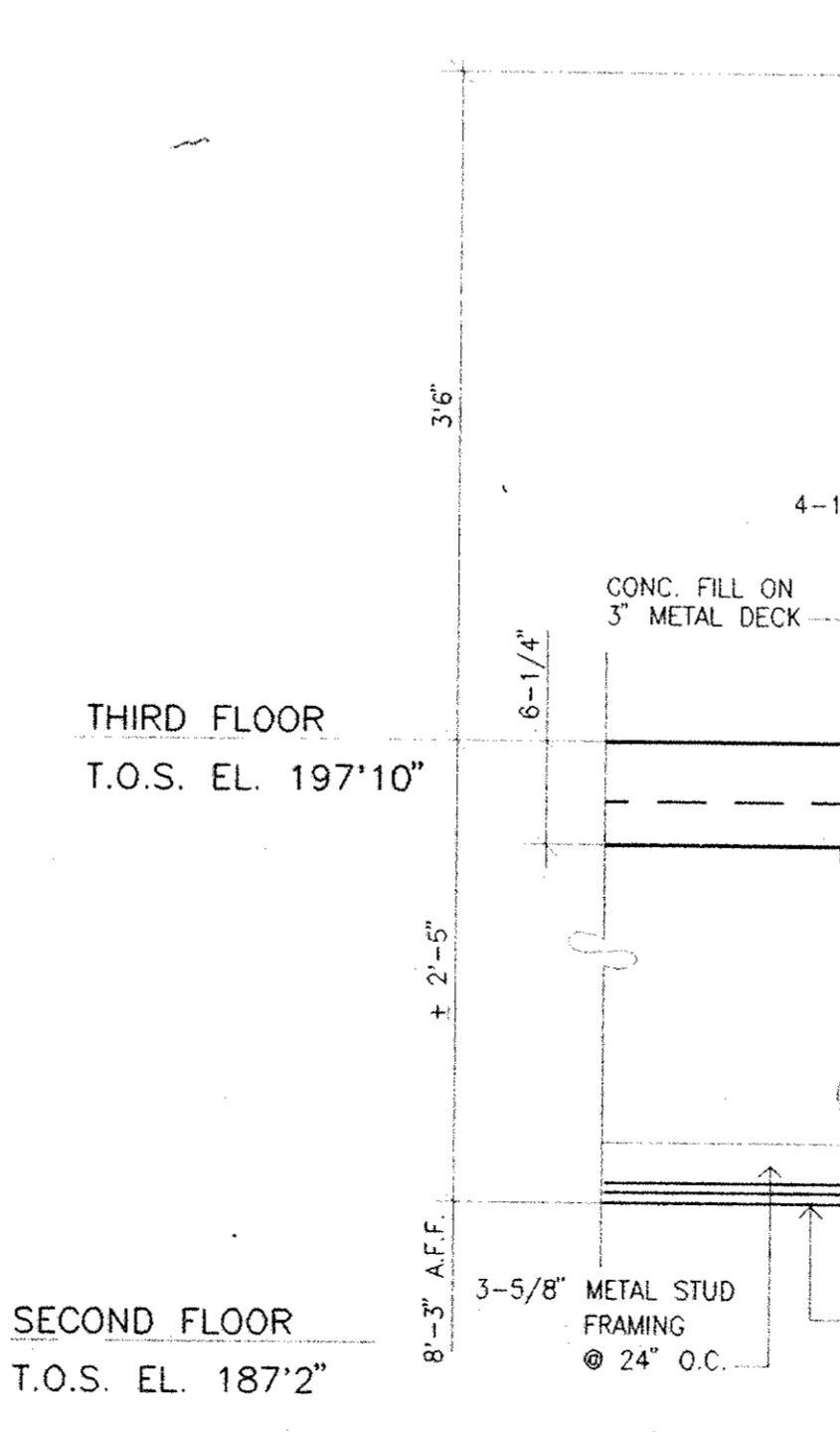
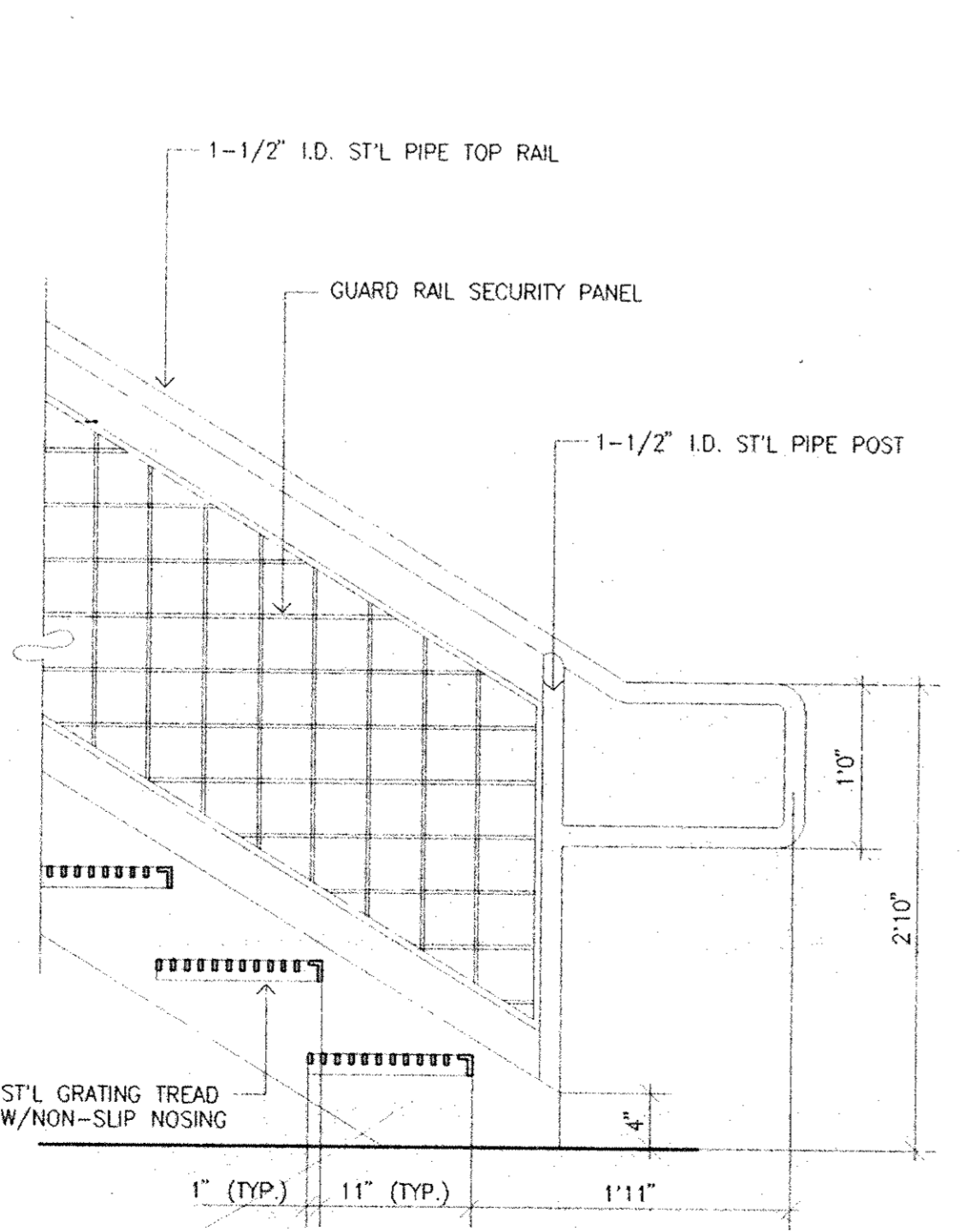
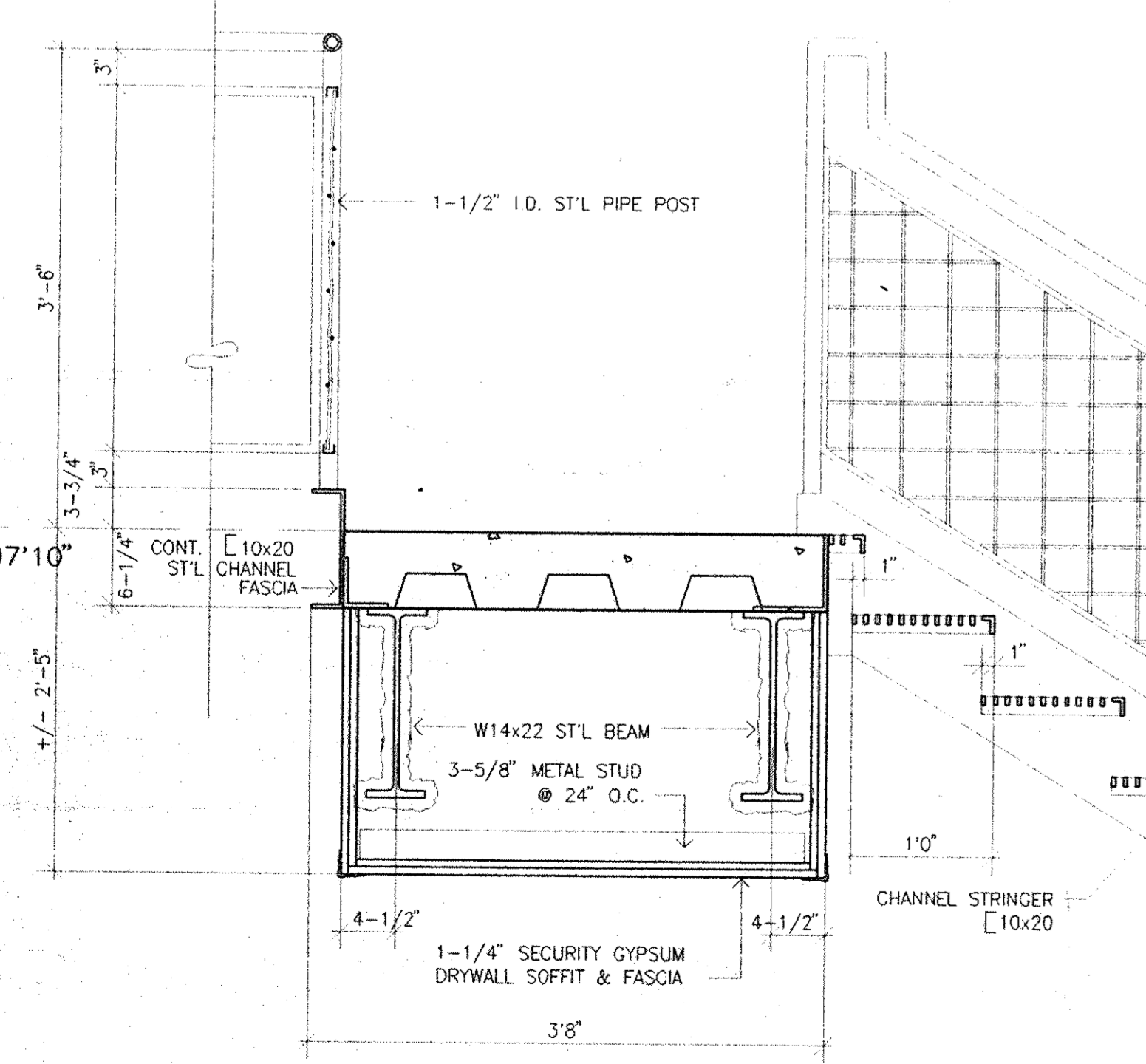


SECTION NO. 3
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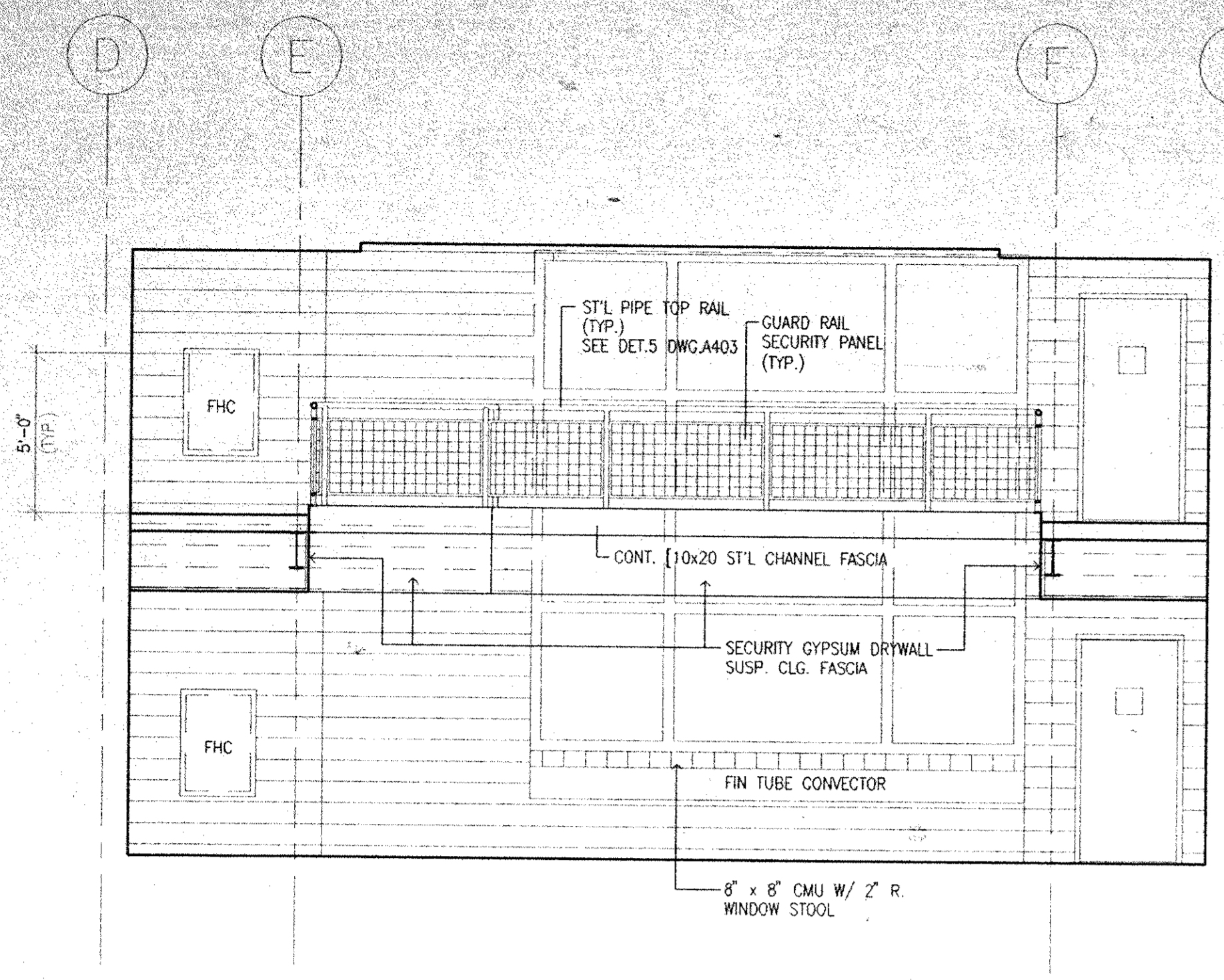
SECTION NO. 4
1" = 1'-0"

SECTION NO. 5
1" = 1'-0"

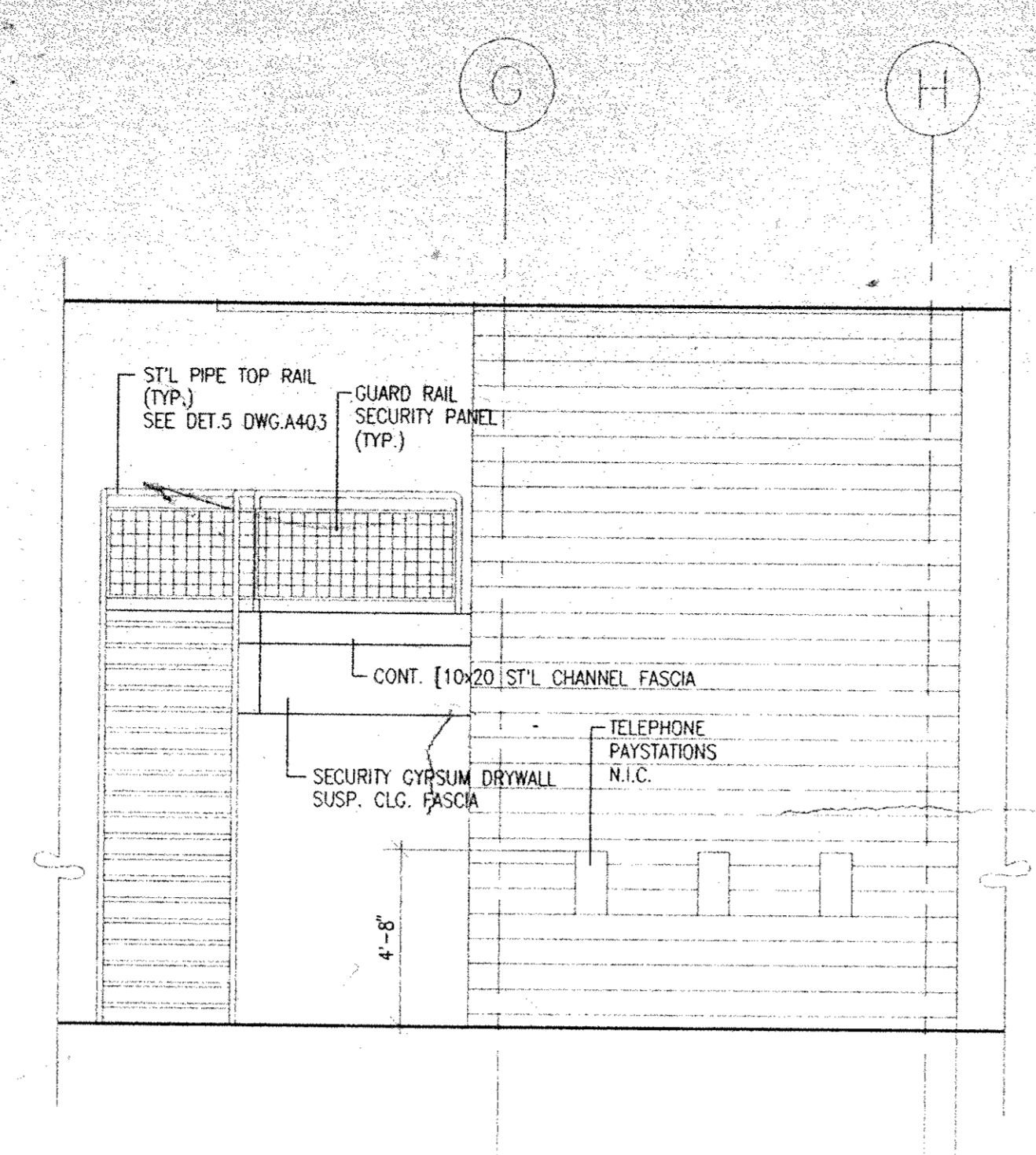
SECTION NO. 6
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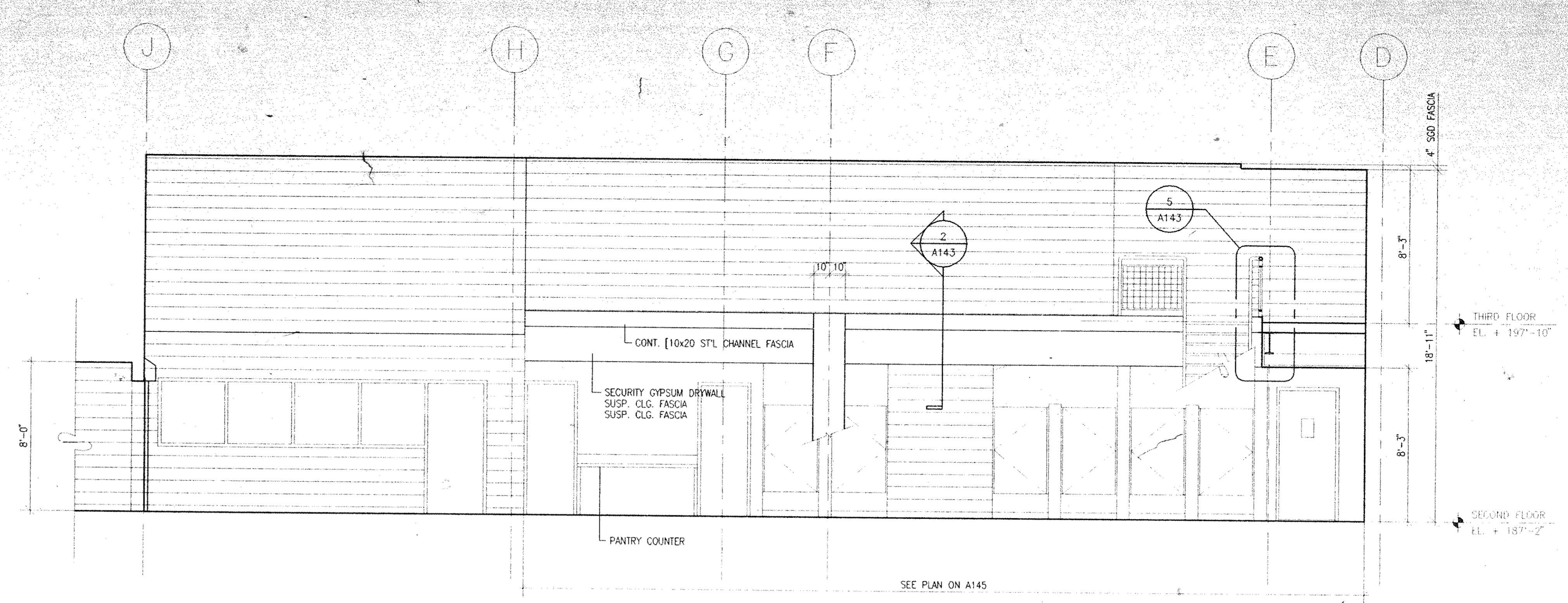
Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602
 Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
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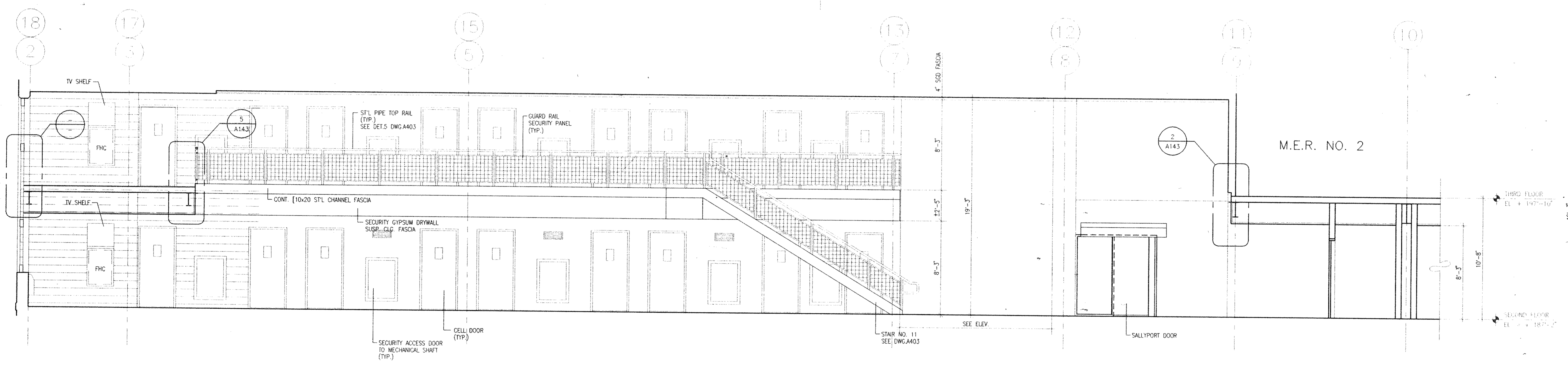
1 SOUTH ELEVATION / HOUSING UNIT B
 NORTH ELEVATION / HOUSING UNIT A OPP. HAND



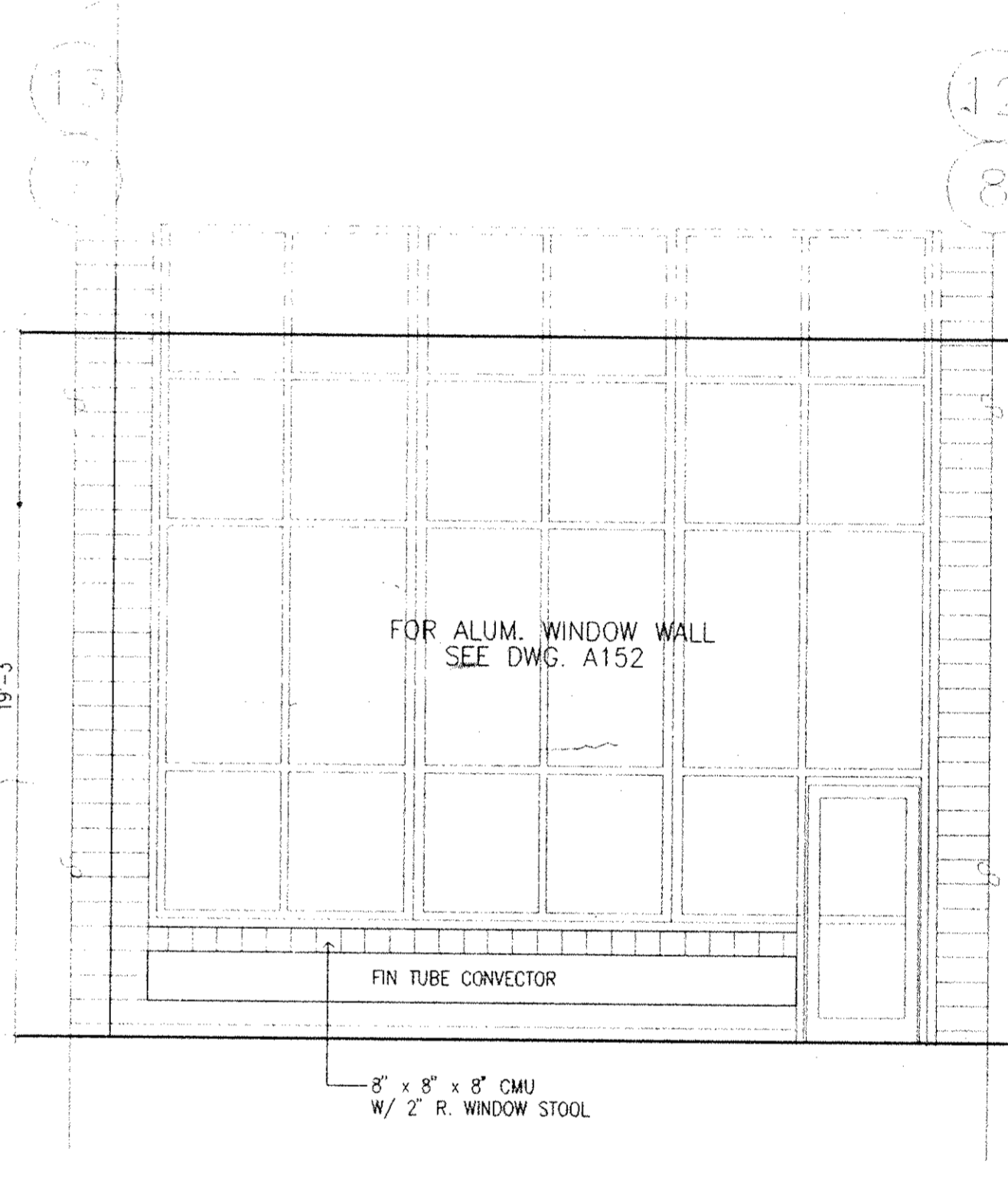
2 SOUTH ELEVATION / HOUSING UNIT B
 NORTH ELEVATION / HOUSING UNIT A OPP. HAND



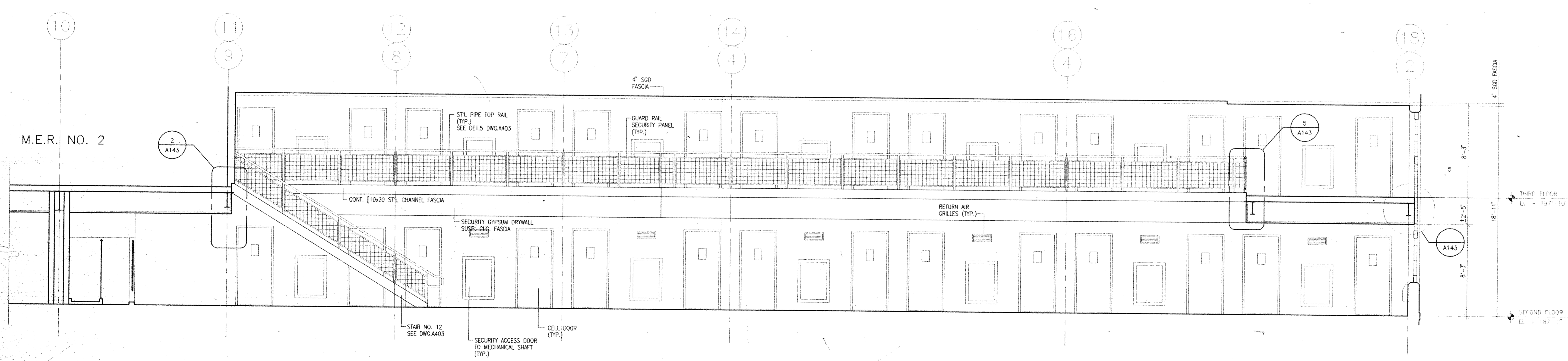
3 NORTH ELEVATION / HOUSING UNIT B
 SOUTH ELEVATION / HOUSING UNIT A OPP. HAND



4 WEST ELEVATION / HOUSING UNIT B
 WEST ELEVATION / HOUSING UNIT A, SAME EXCEPT OPP. HAND



5 SW ELEV. / HOUSING UNIT B
 NW ELEV. / HOUSING UNIT A



6 EAST ELEVATION / HOUSING UNIT B
 EAST ELEVATION HOUSING UNIT A OPP. HAND

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 Tel 212/532-2211

Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
 Fax 212/730-6425
 Tel 212/382-1800

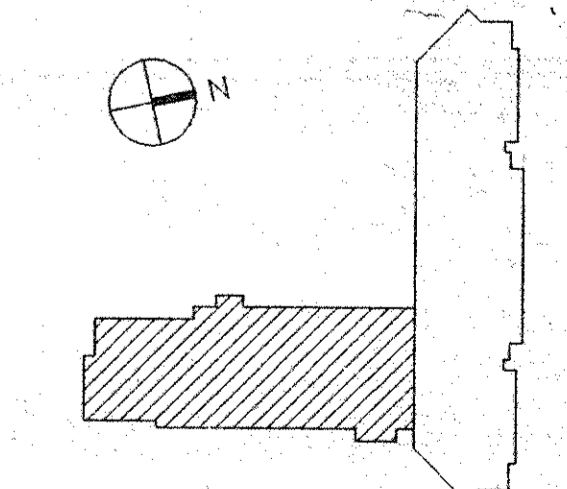
Civil Engineers
 Paggi & Martin
 54-56 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0905
 Tel 914/471-7898



No.	Date	Revision
3	08.05.94	GENERAL REVISIONS
2	04.29.94	BID ISSUE
1	03.21.94	COST ESTIMATE ISSUE

Drawn By	Date
BT	
Checked By	Date
RFG	
Issue Date	

Scale
 1/4" = 1'-0"
 Key Plan



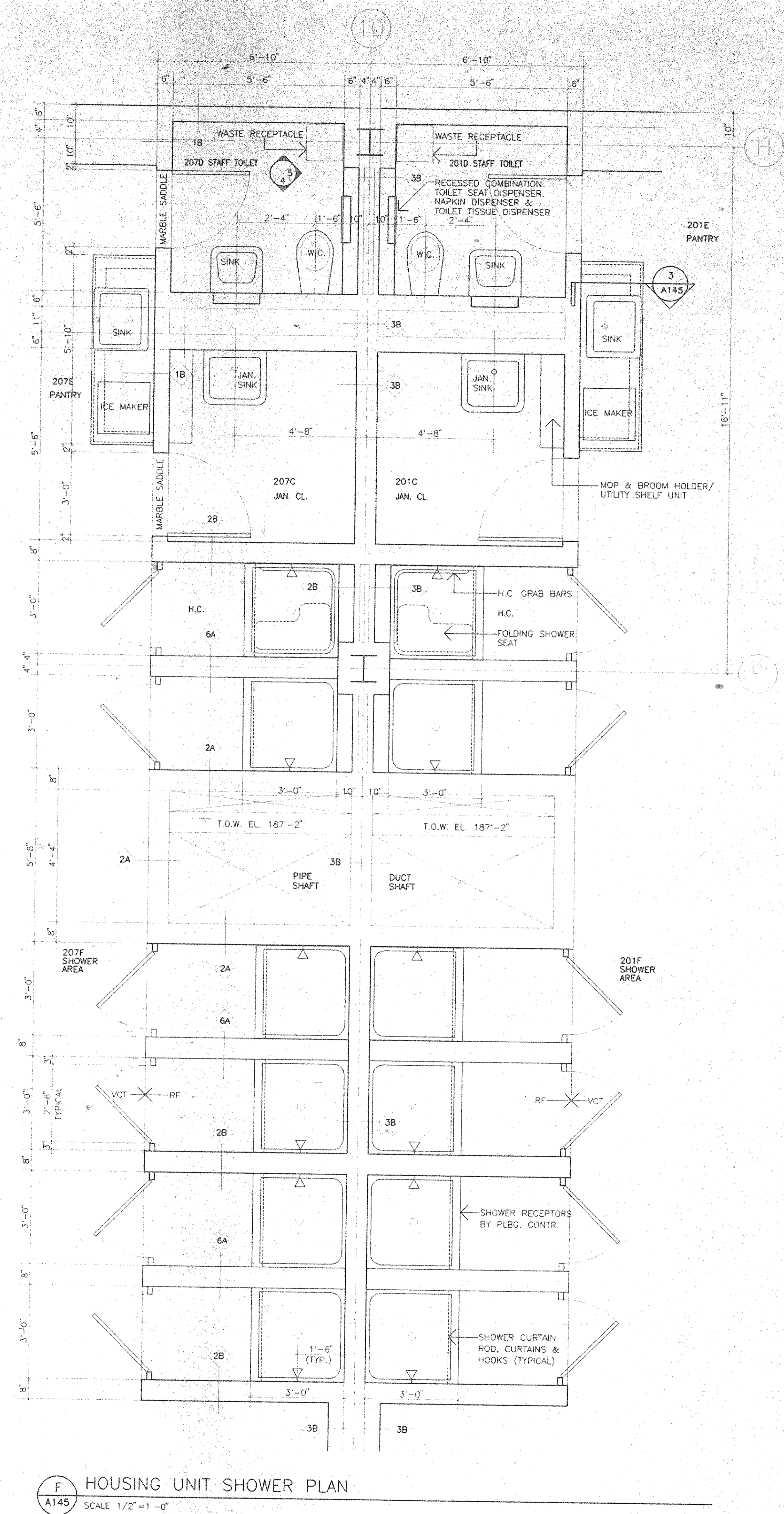
Drawing Title
**HOUSING UNITS
 A & B INTERIOR
 ELEVATION**

CS Project No. 91-1286
 RA Project # 99001.00
 Drawing No.

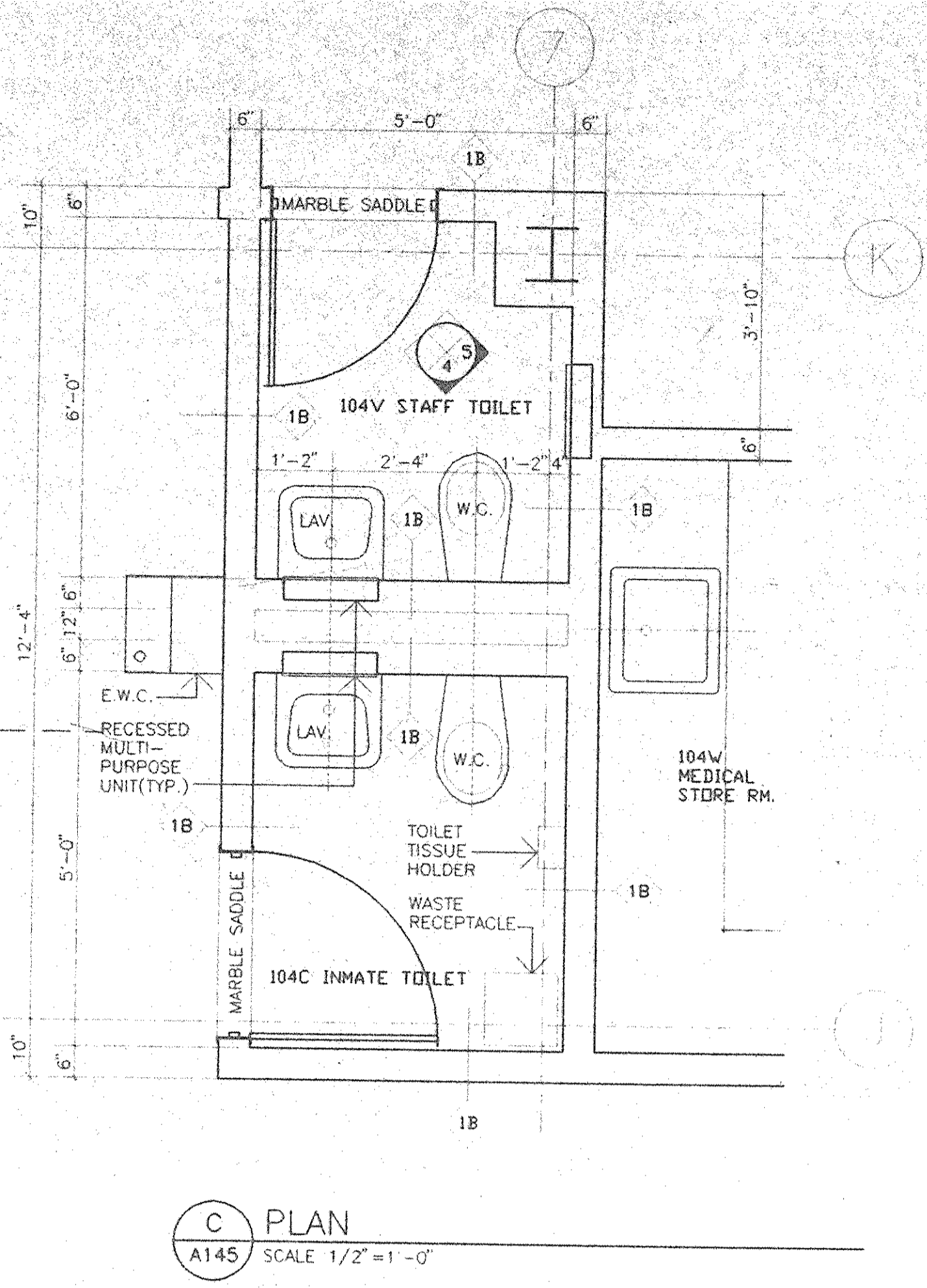
A144

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602
 Owner
 County of Dutchess
 Department of Public Works
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 Tel 914/431-2121
 Construction Manager
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 129 Barnhart Avenue
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 Fax 914/831-6071
 Tel 914/831-0943

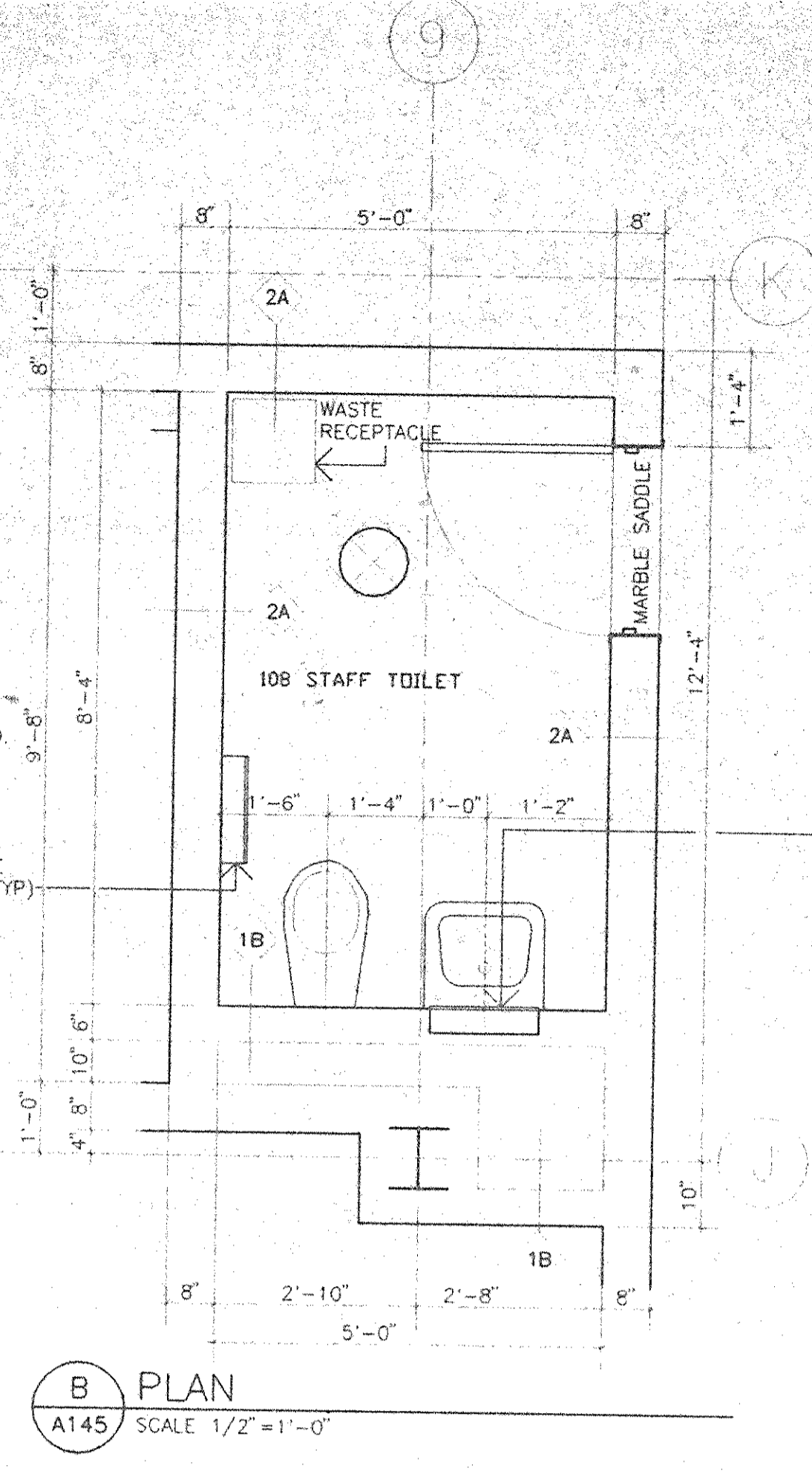
Architects Planners & Interior Designers
 Craven Samton
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 New York, NY 10010
 Fax 212/477-1257
 Tel 212/477-0900
Associated Architects
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Civil Engineers
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 Poughkeepsie, New York 12601
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 Tel 914/471-7898



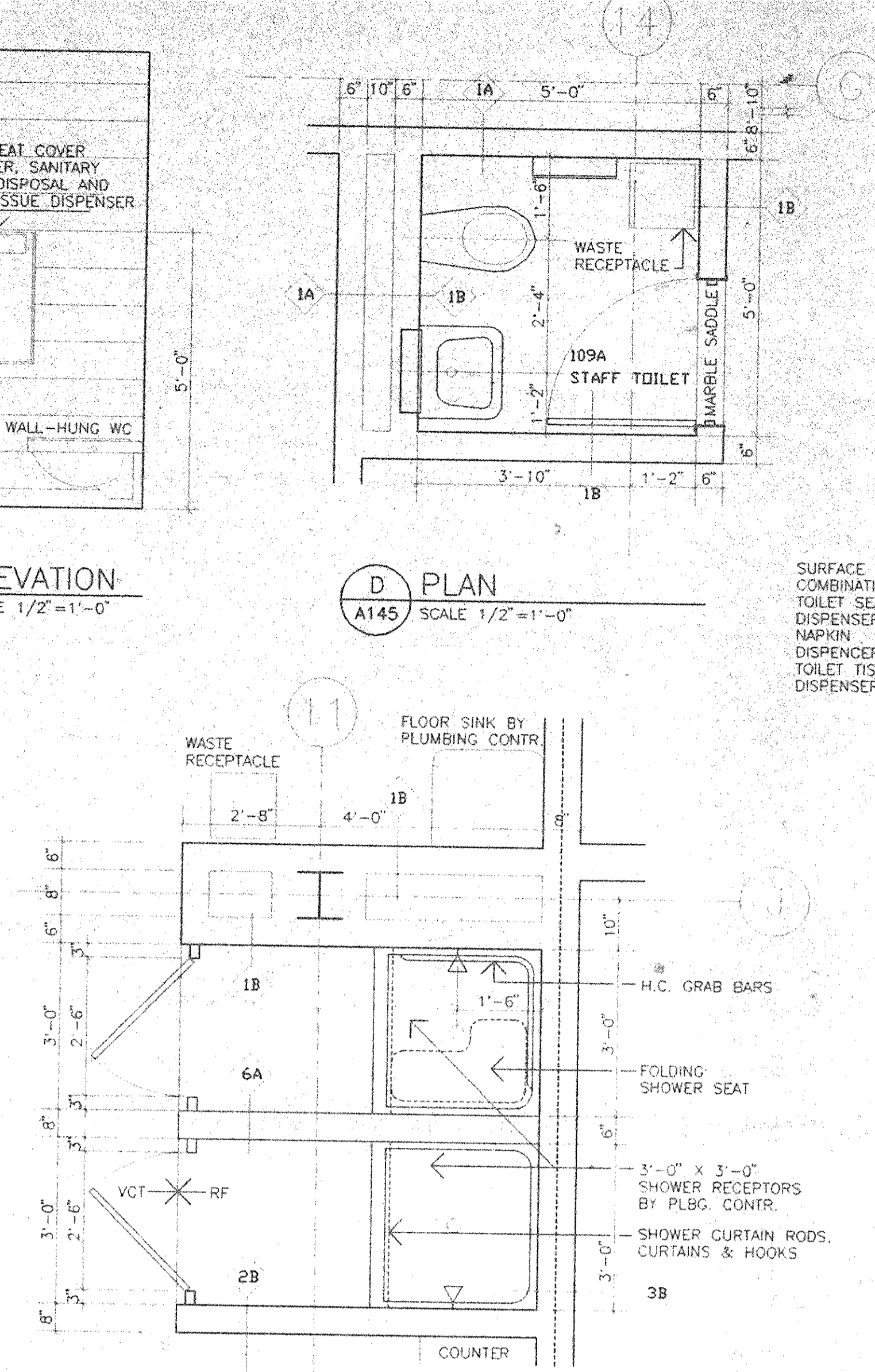
F HOUSING UNIT SHOWER PLAN
 A145 SCALE 1/2"=1'-0"



C PLAN
 A145 SCALE 1/2"=1'-0"



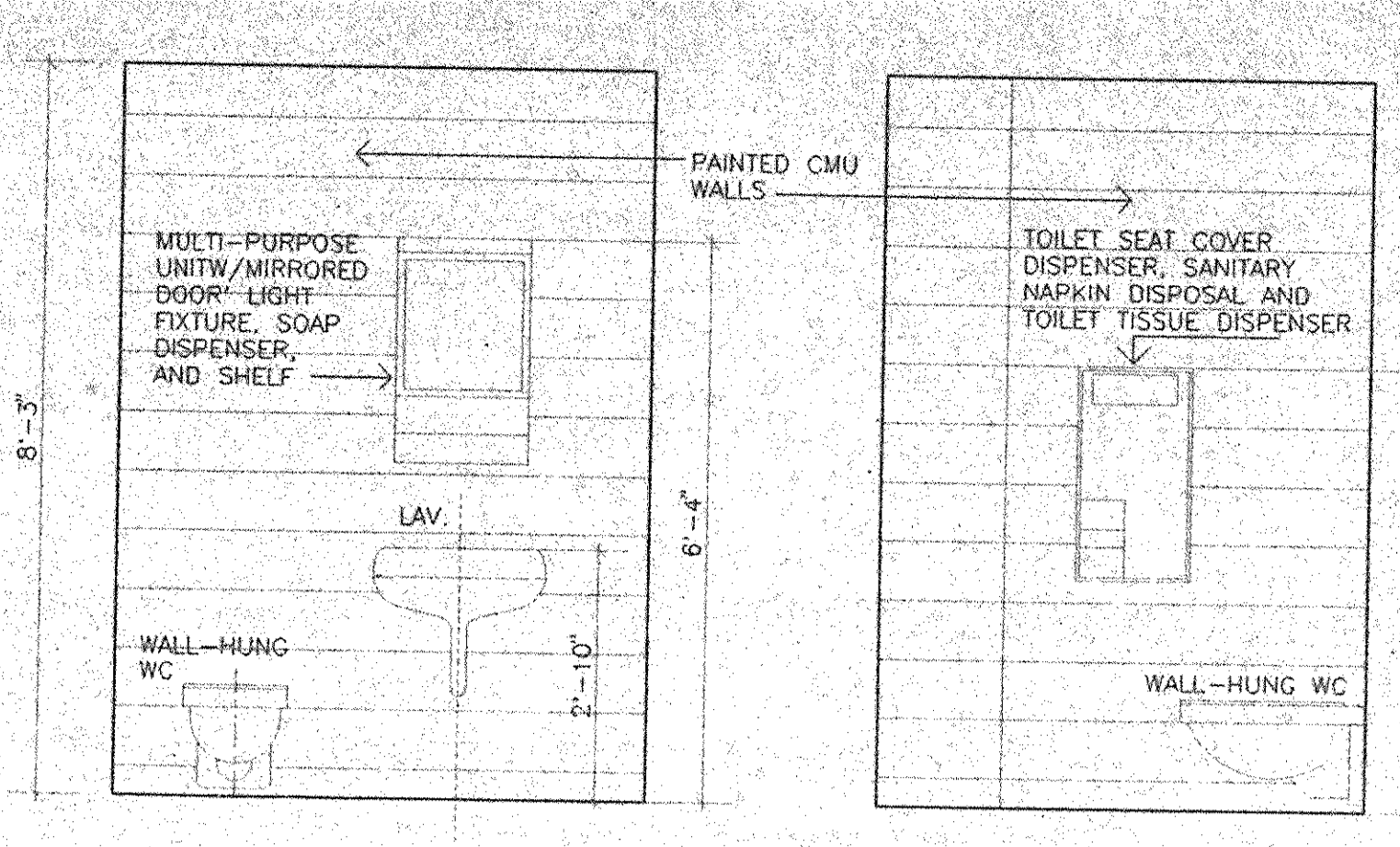
B PLAN
 A145 SCALE 1/2"=1'-0"



D PLAN
 A145 SCALE 1/2"=1'-0"



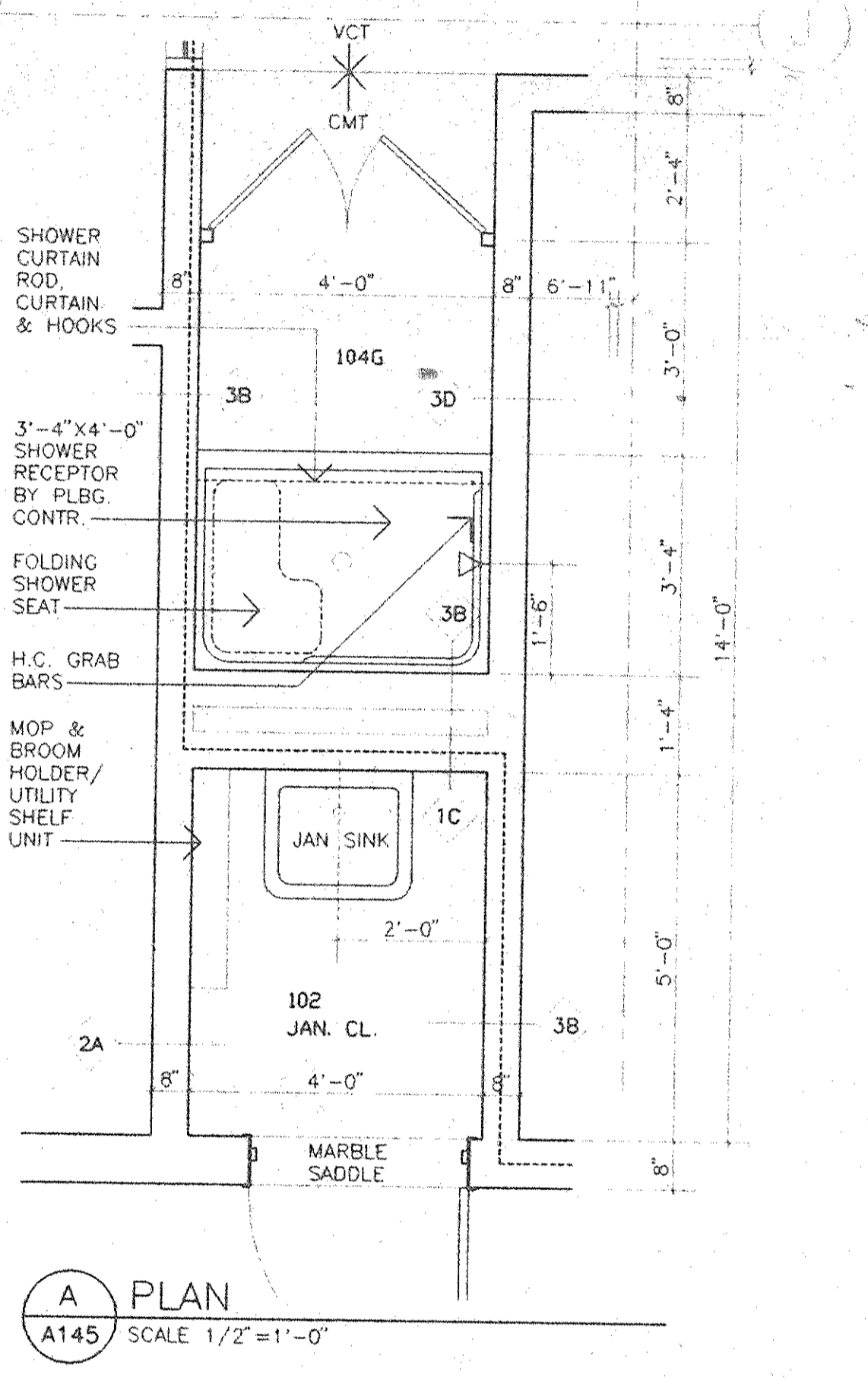
E PRE-CLASS HOUSING UNIT SHOWER PLAN
 A145 SCALE 1/2"=1'-0"



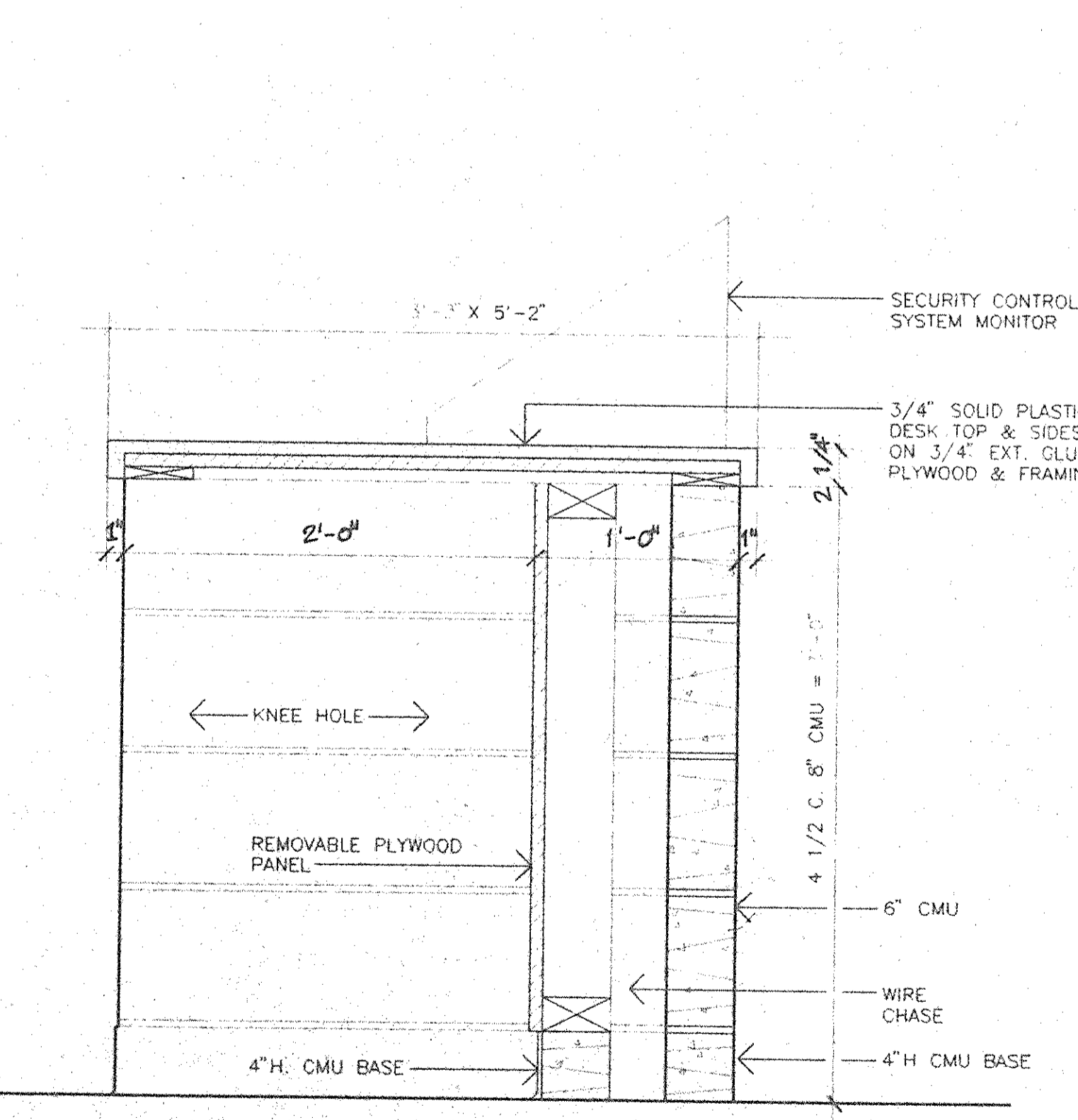
4 ELEVATION
 A145 SCALE 1/2"=1'-0"



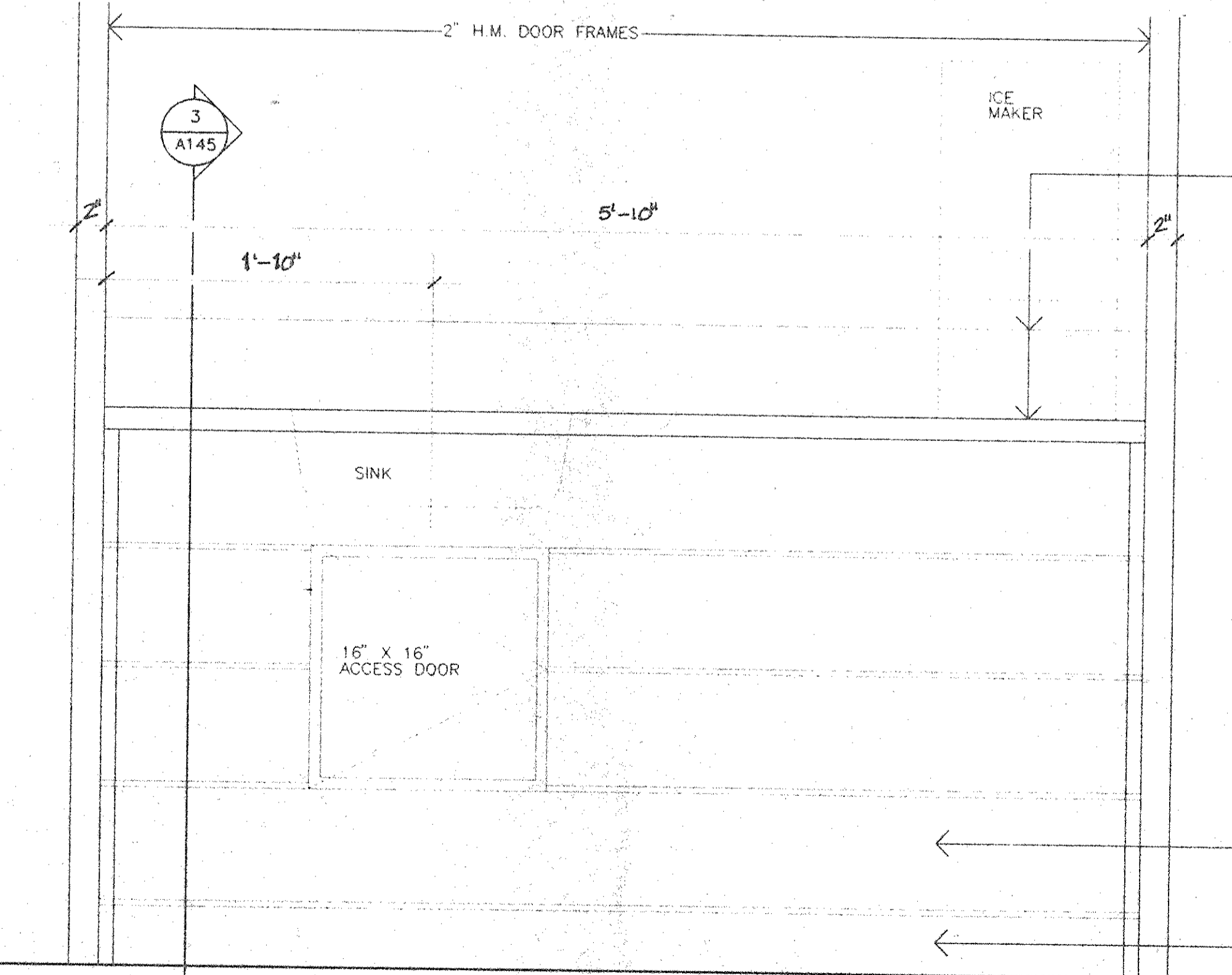
5 ELEVATION
 A145 SCALE 1/2"=1'-0"



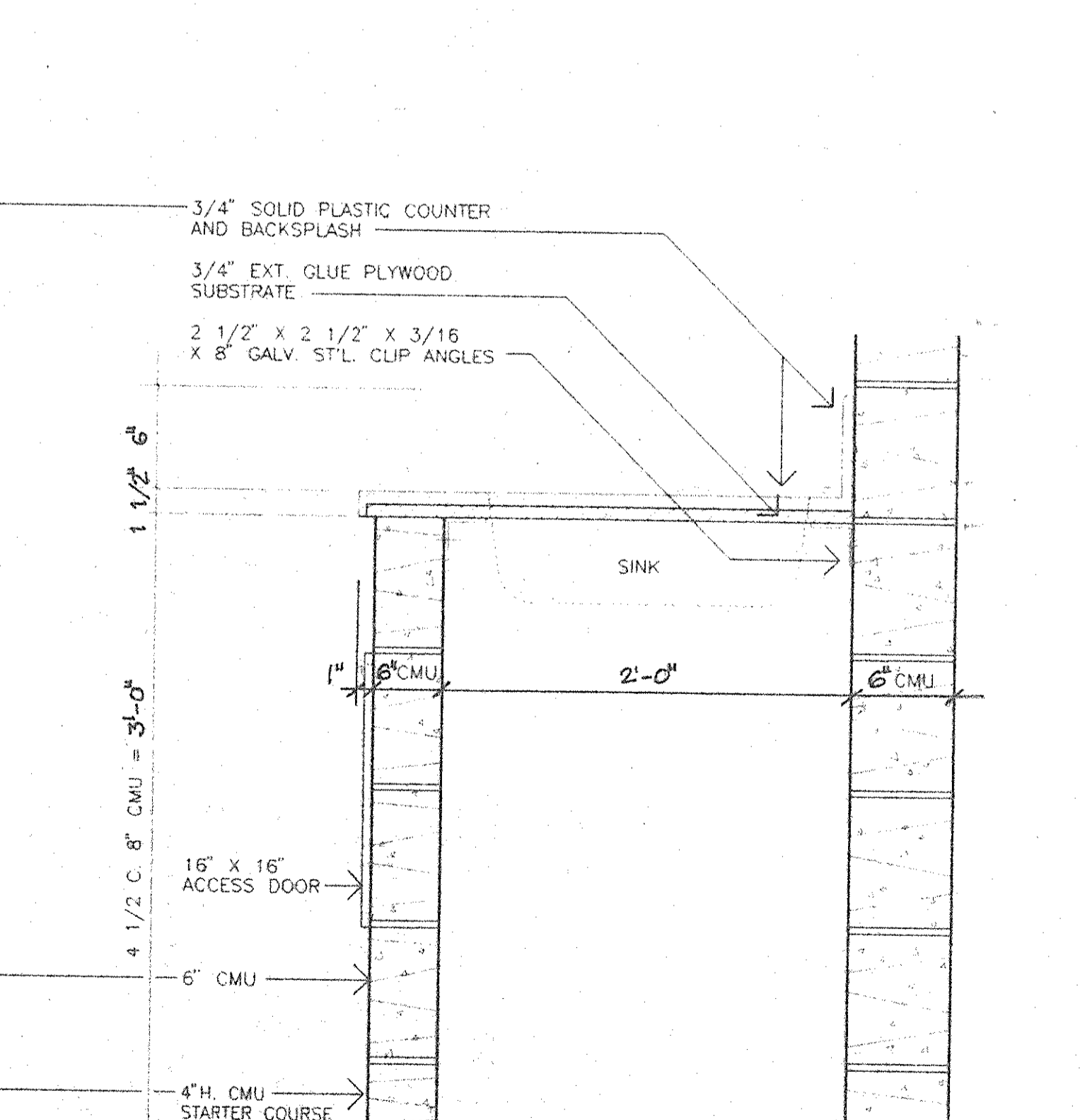
A PLAN
 A145 SCALE 1/2"=1'-0"



1 TYPICAL HOUSING UNITS AND PRE-CLASS DAYROOM CONTROL DESK (TYPICAL OF 4)
 SCALE 1/2"=1'-0"



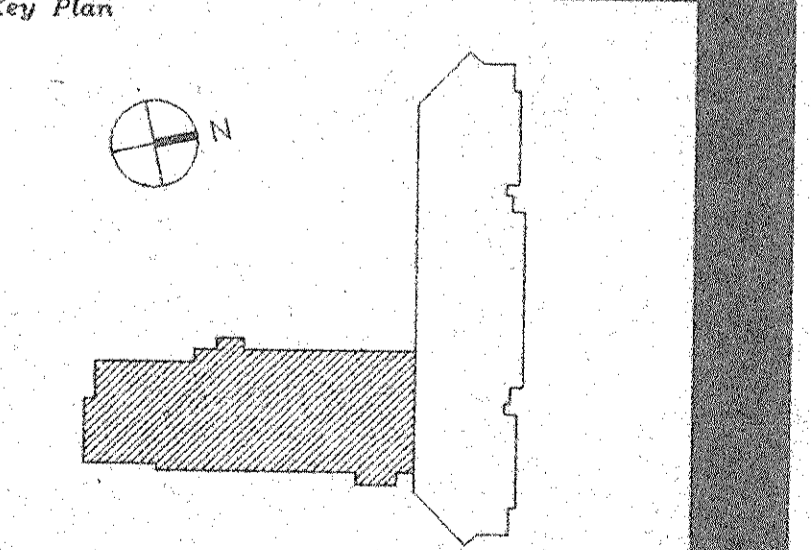
2 TYPICAL HOUSING UNIT PANTRY COUNTER ELEVATION
 SCALE 1/2"=1'-0"



3 PANTRY COUNTER SECTION
 SCALE 1/2"=1'-0"

4 09.05.94 GENERAL REVISIONS
 3. 04.29.94 BID ISSUE
 2. 03.31.94 C.M. REVIEW ISSUE
 1. 03.21.94 COST ESTIMATE ISSUE

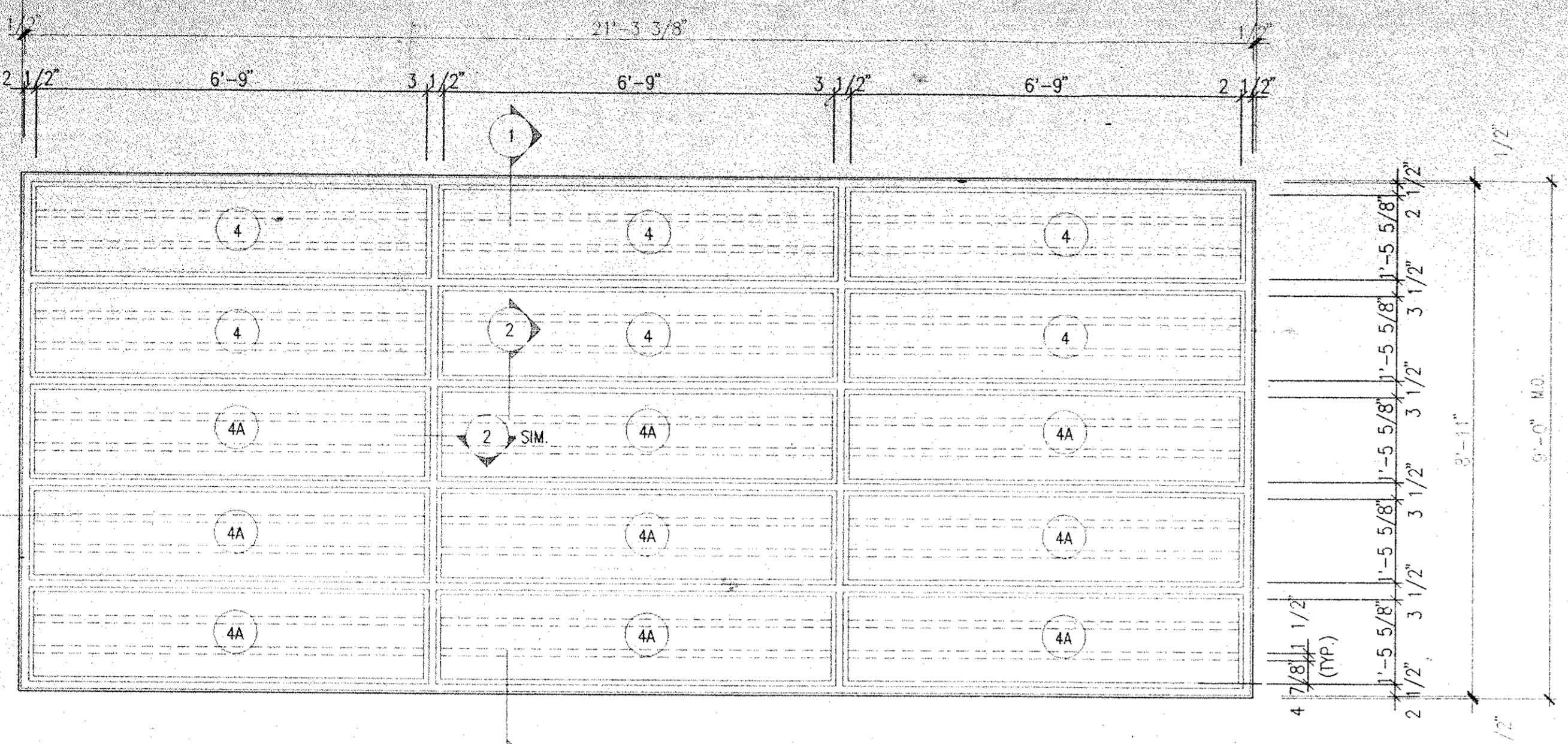
No.	Date	Revision
Drawn By	Date	
R.F./K.S.	03.21.94	
Checked By	Date	
R.F.C.	03.21.94	
Issue Date	03.21.94	
Scale	AS SHOWN	



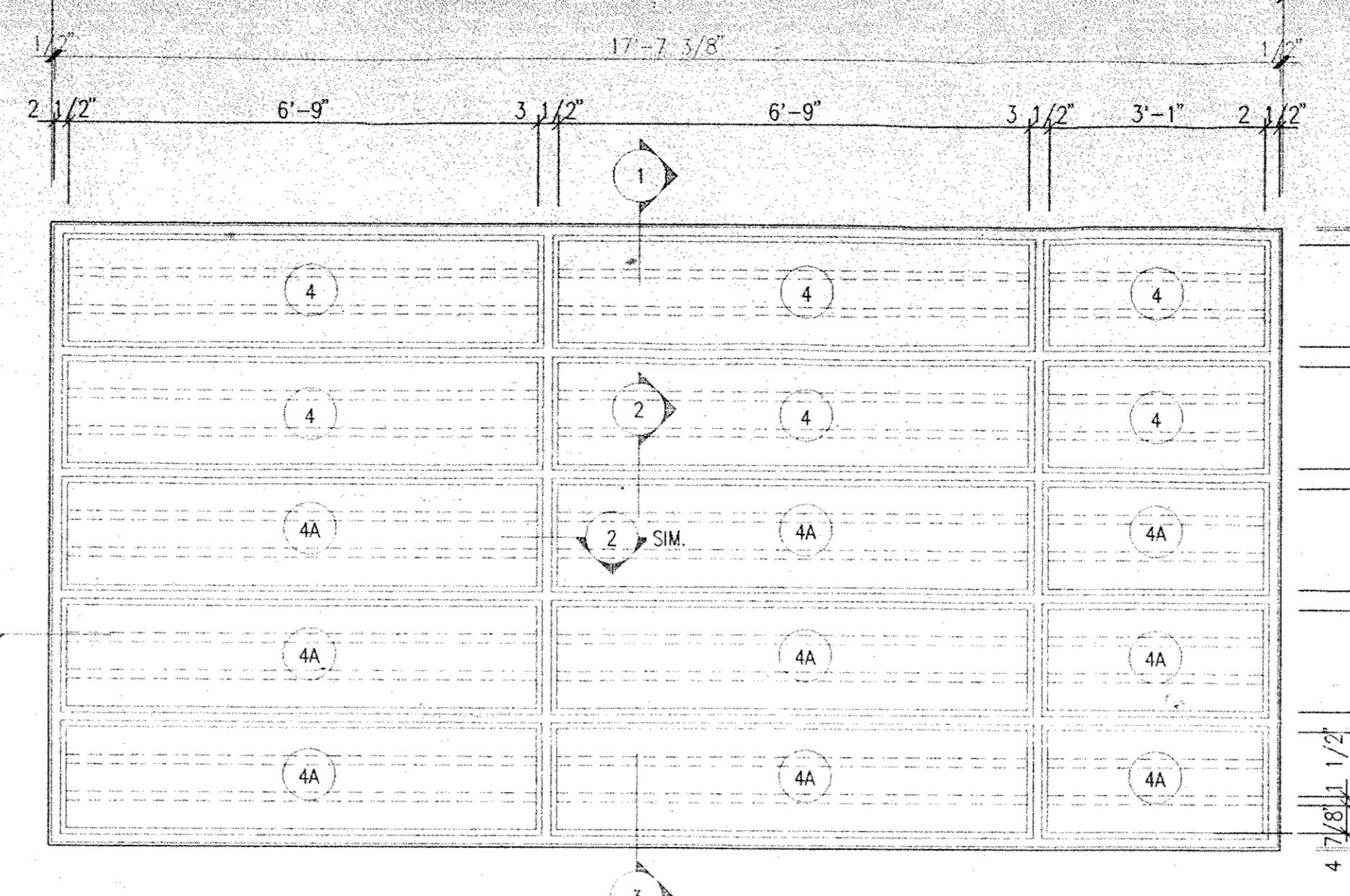
Drawing Title
HOUSING UNIT SHOWERS & STAFF TOILETS PLANS & DETAILS

CS Project No. 91-1288
 RA Project # 99201.00
 Drawing No.

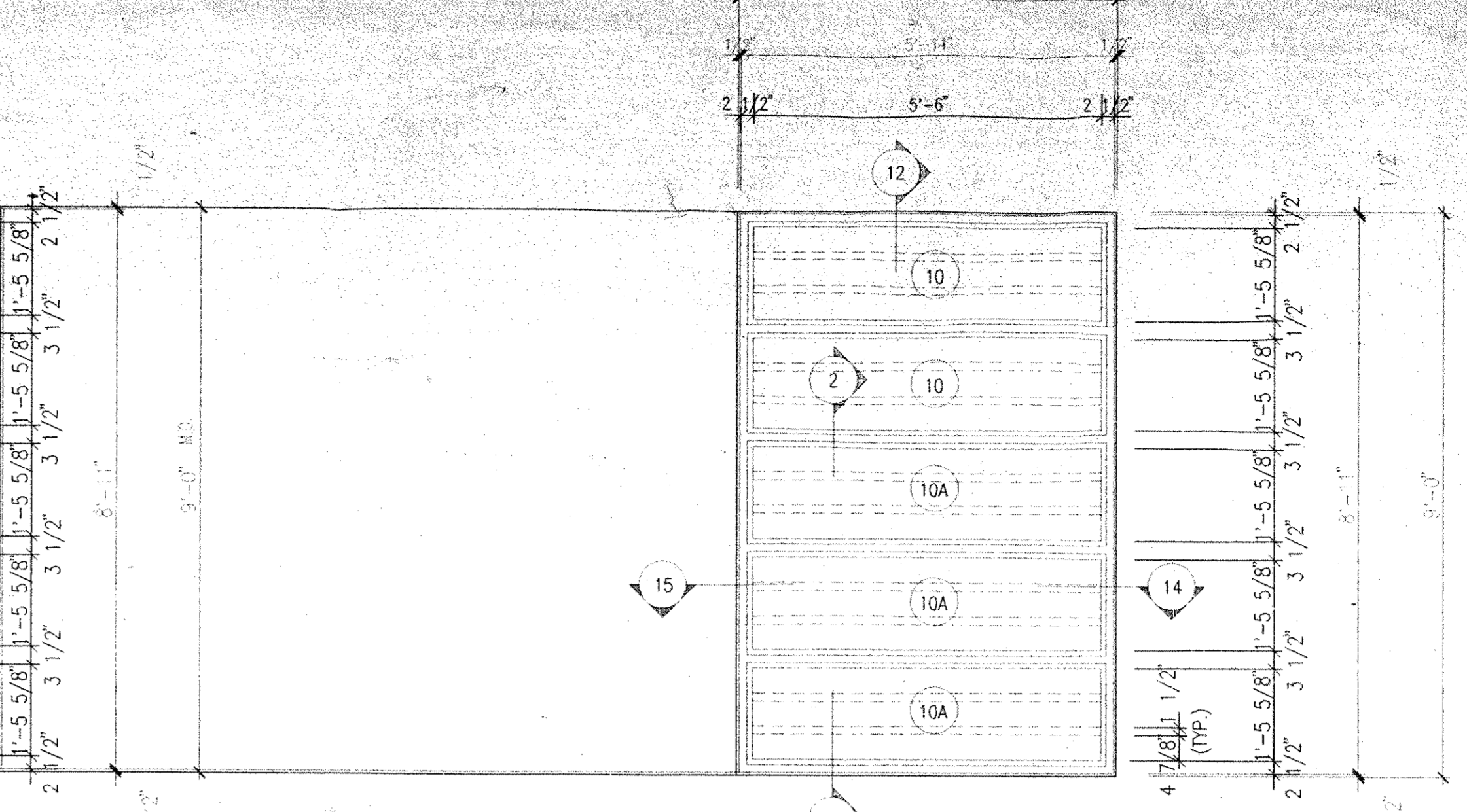
A145



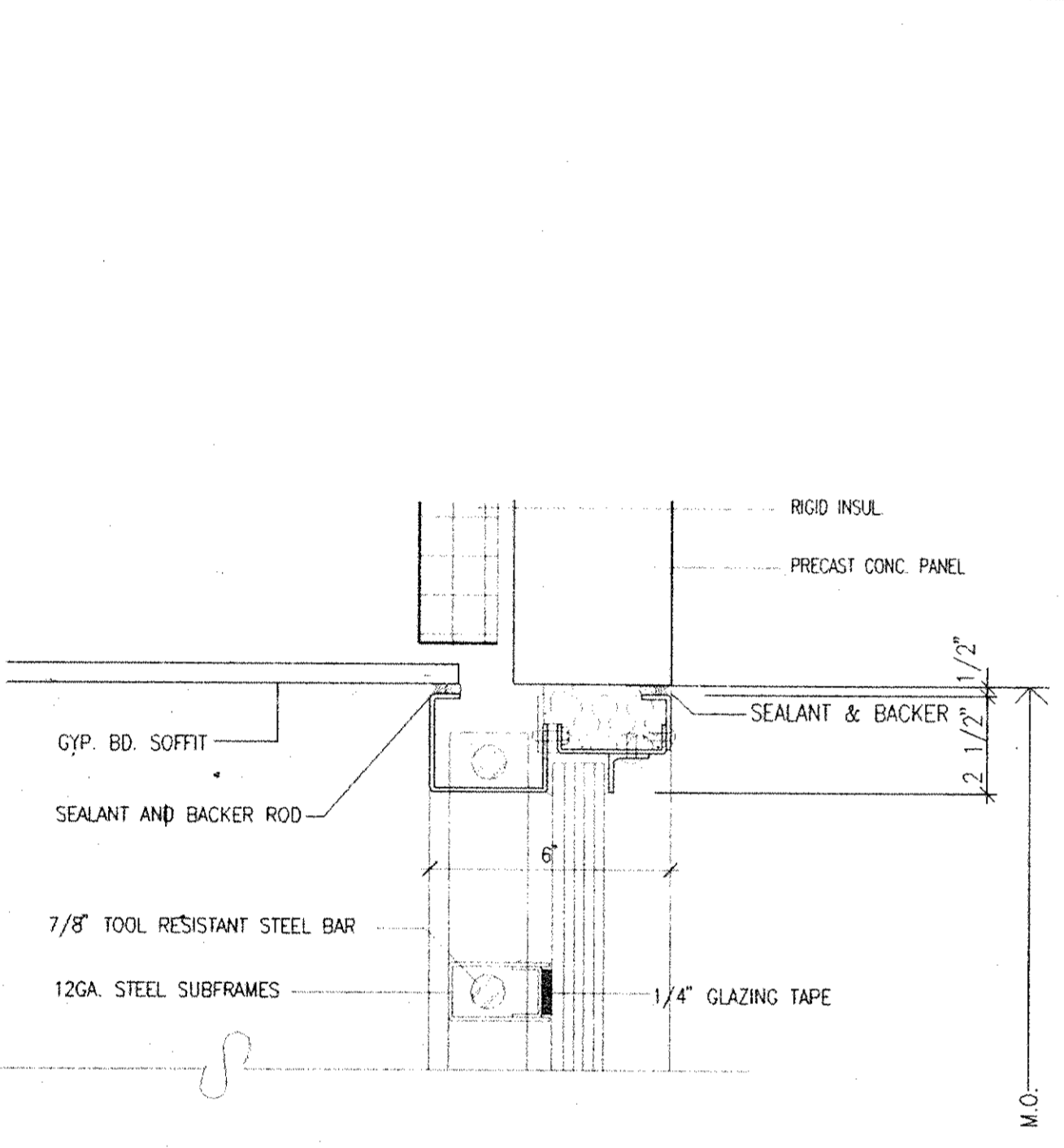
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 (CONTACT VISITING) SCALE: 1/2" = 1'-0"



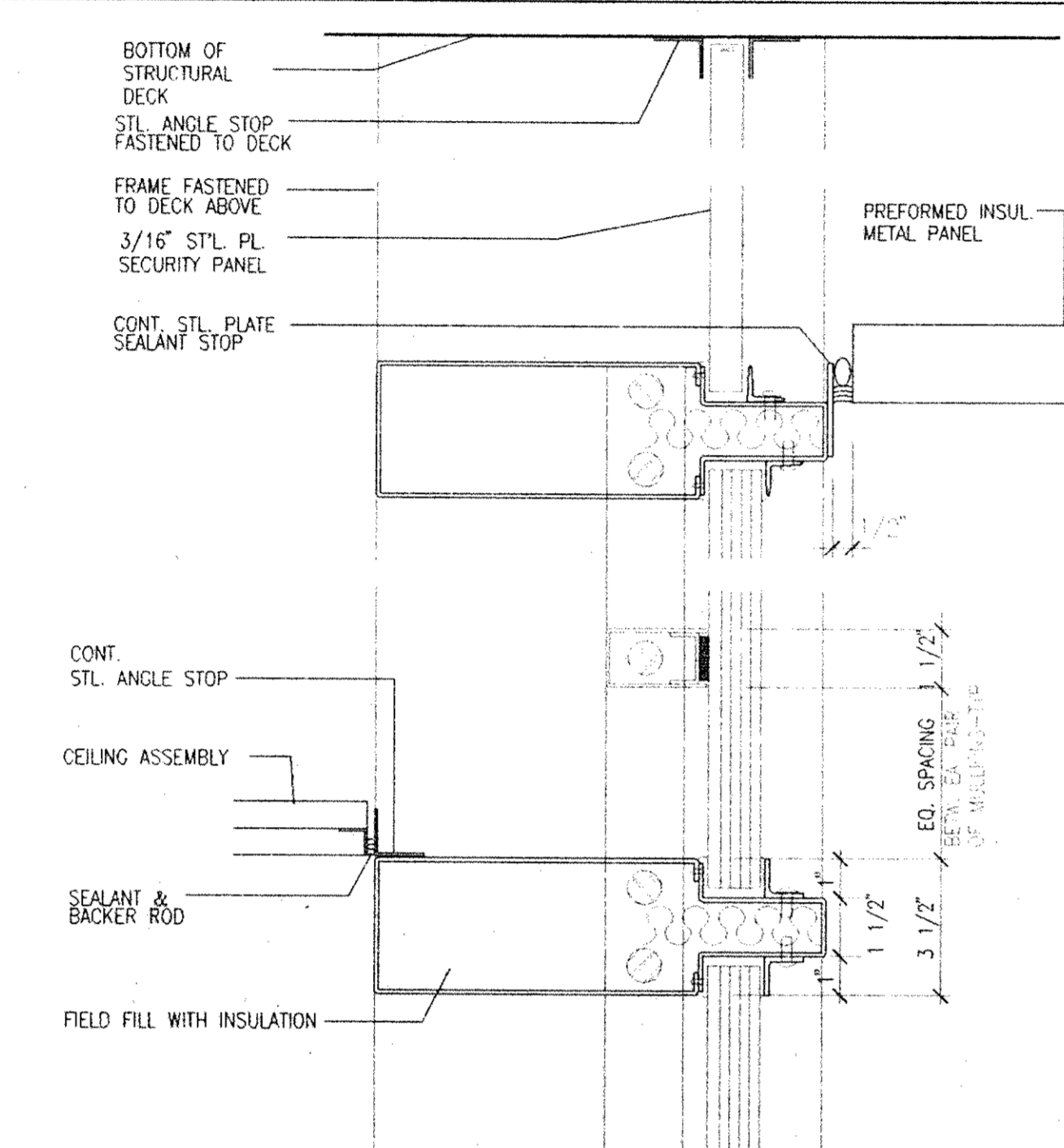
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 (CONTACT VISITING) SCALE: 1/2" = 1'-0"



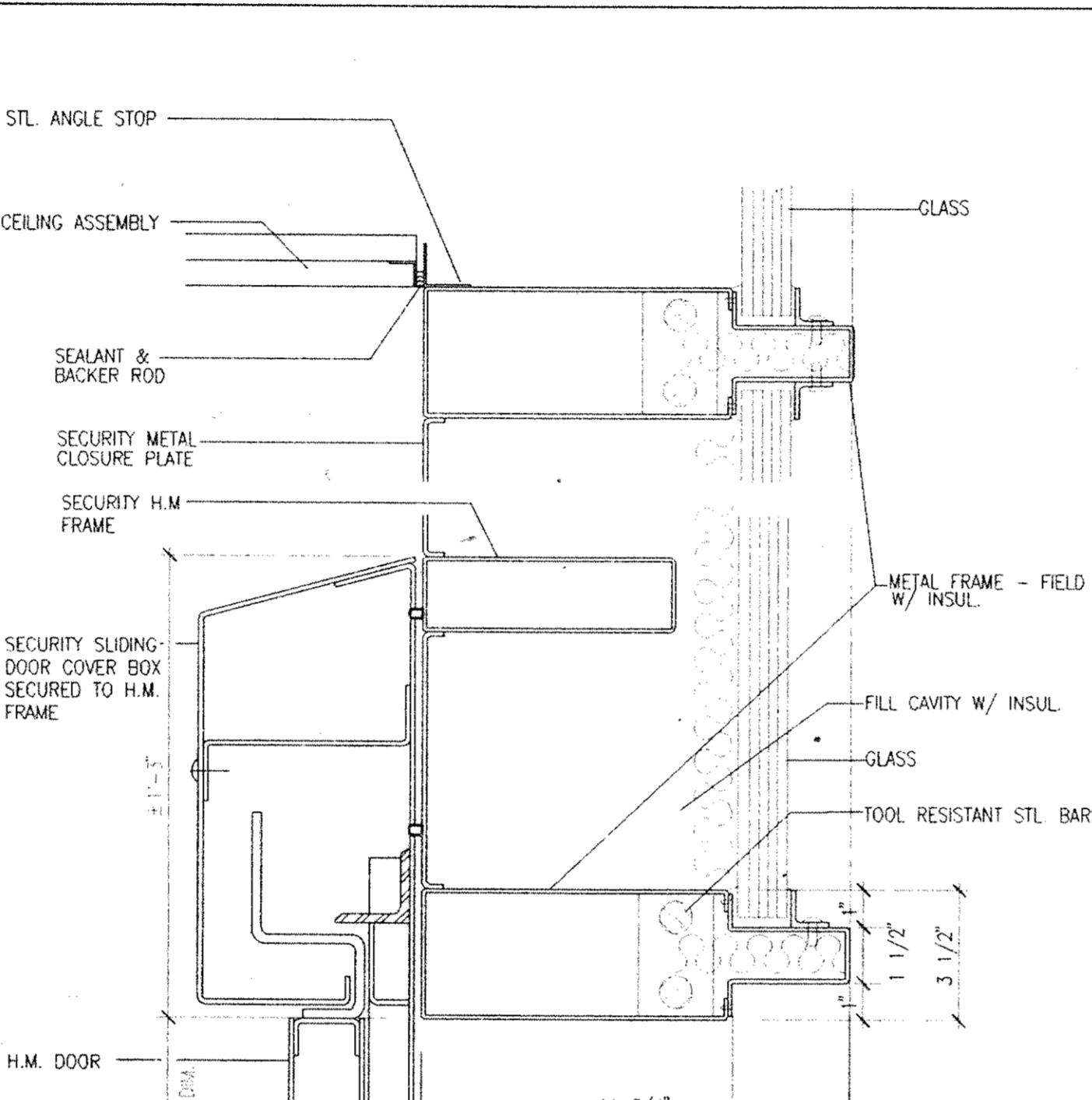
W12 FIXED STEEL WINDOW WALL W/HOR. SECURITY BARS
 (CONTACT VISITING) SCALE: 1/2" = 1'-0"



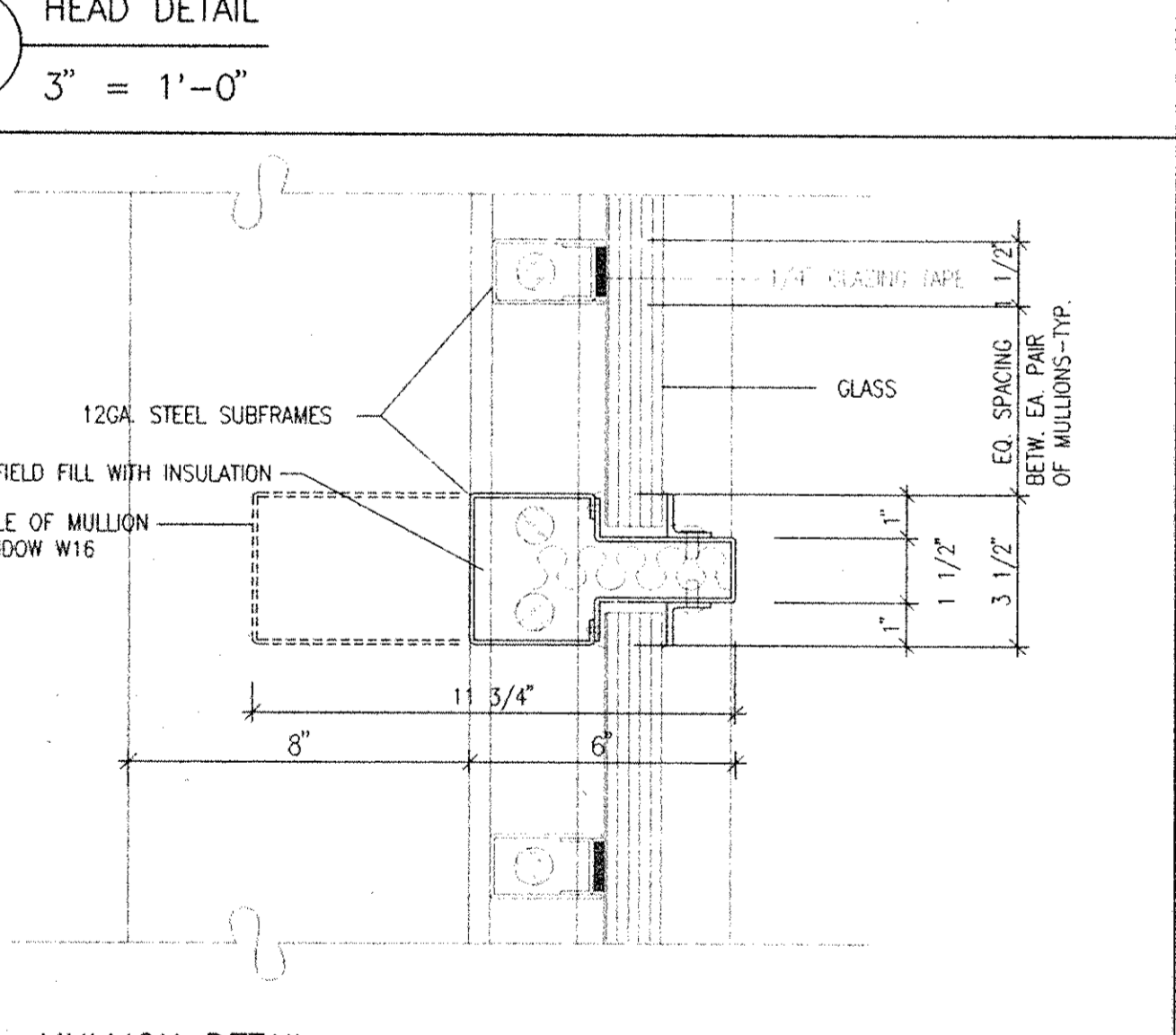
1 HEAD DETAIL
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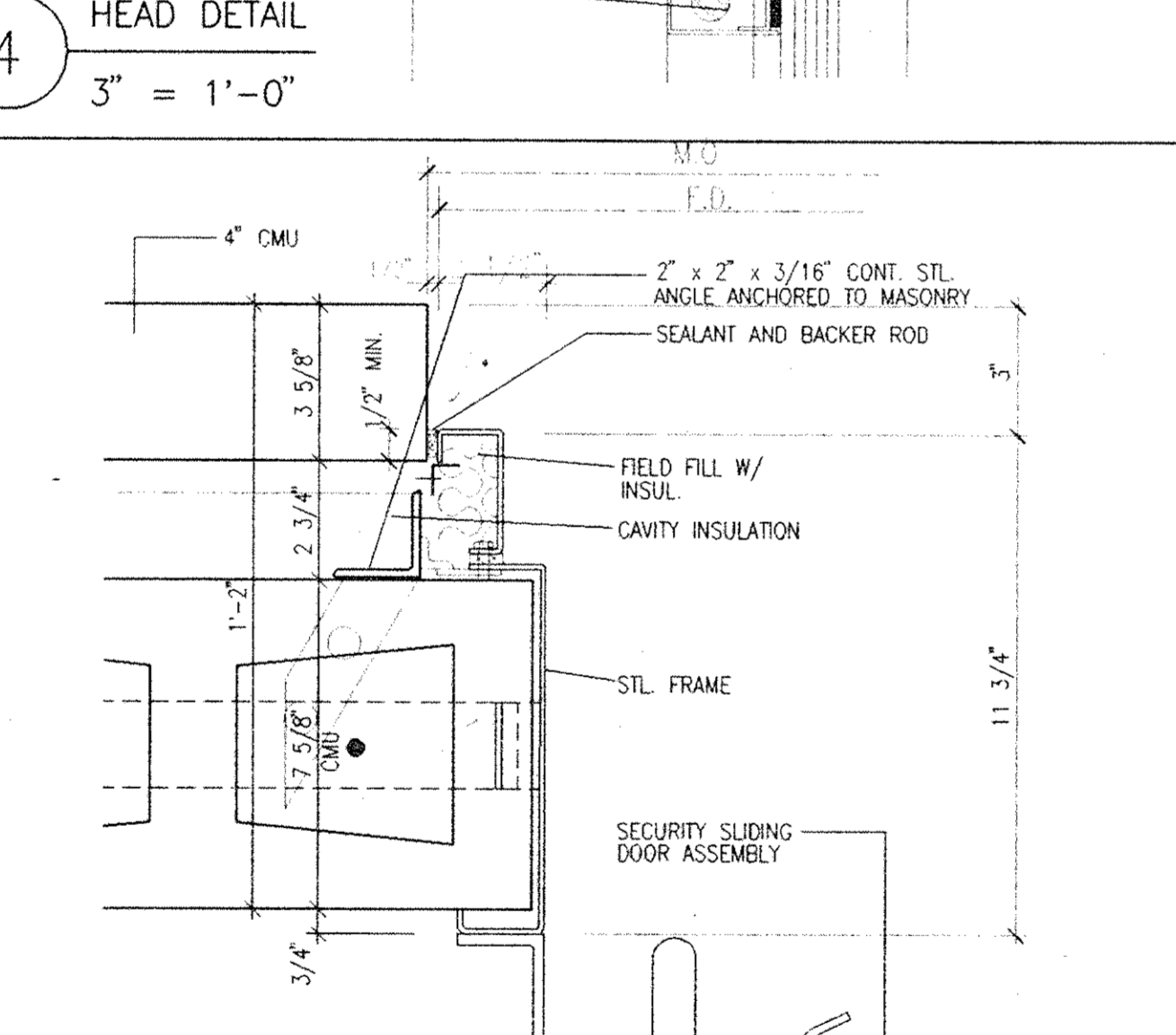
4 HEAD DETAIL
 3" = 1'-0"



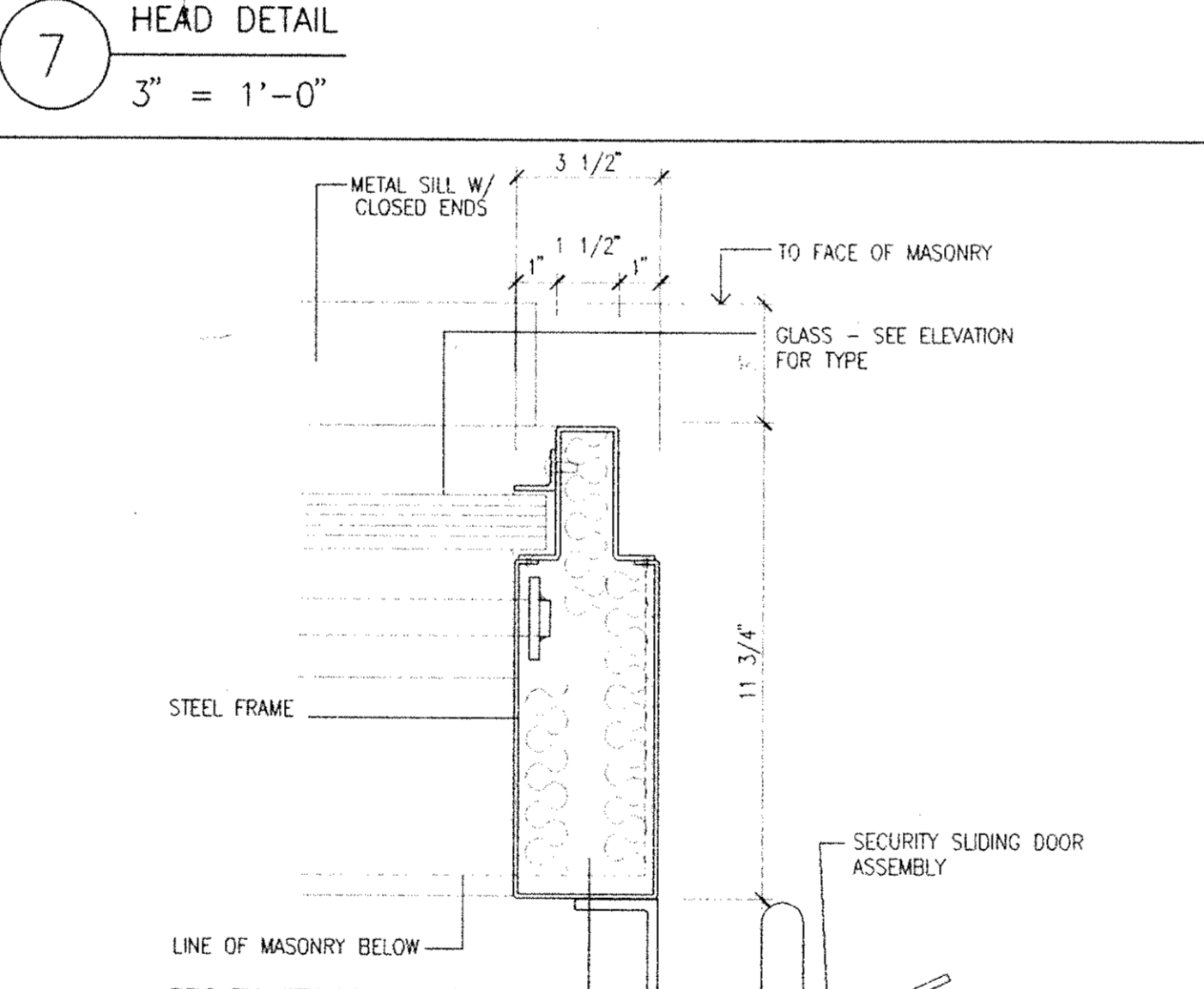
7 HEAD DETAIL
 3" = 1'-0"



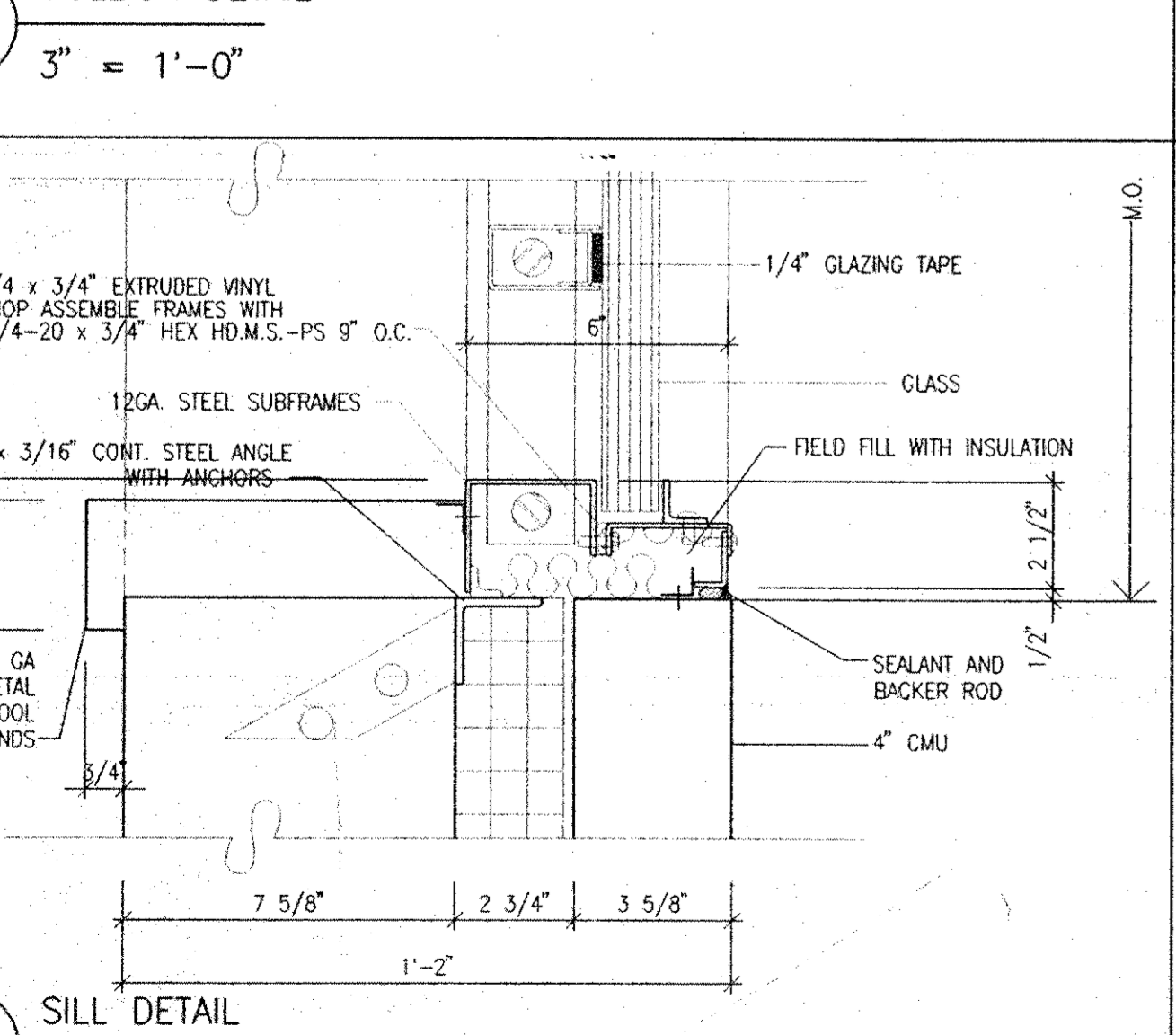
2 MULLION DETAIL
 3" = 1'-0"



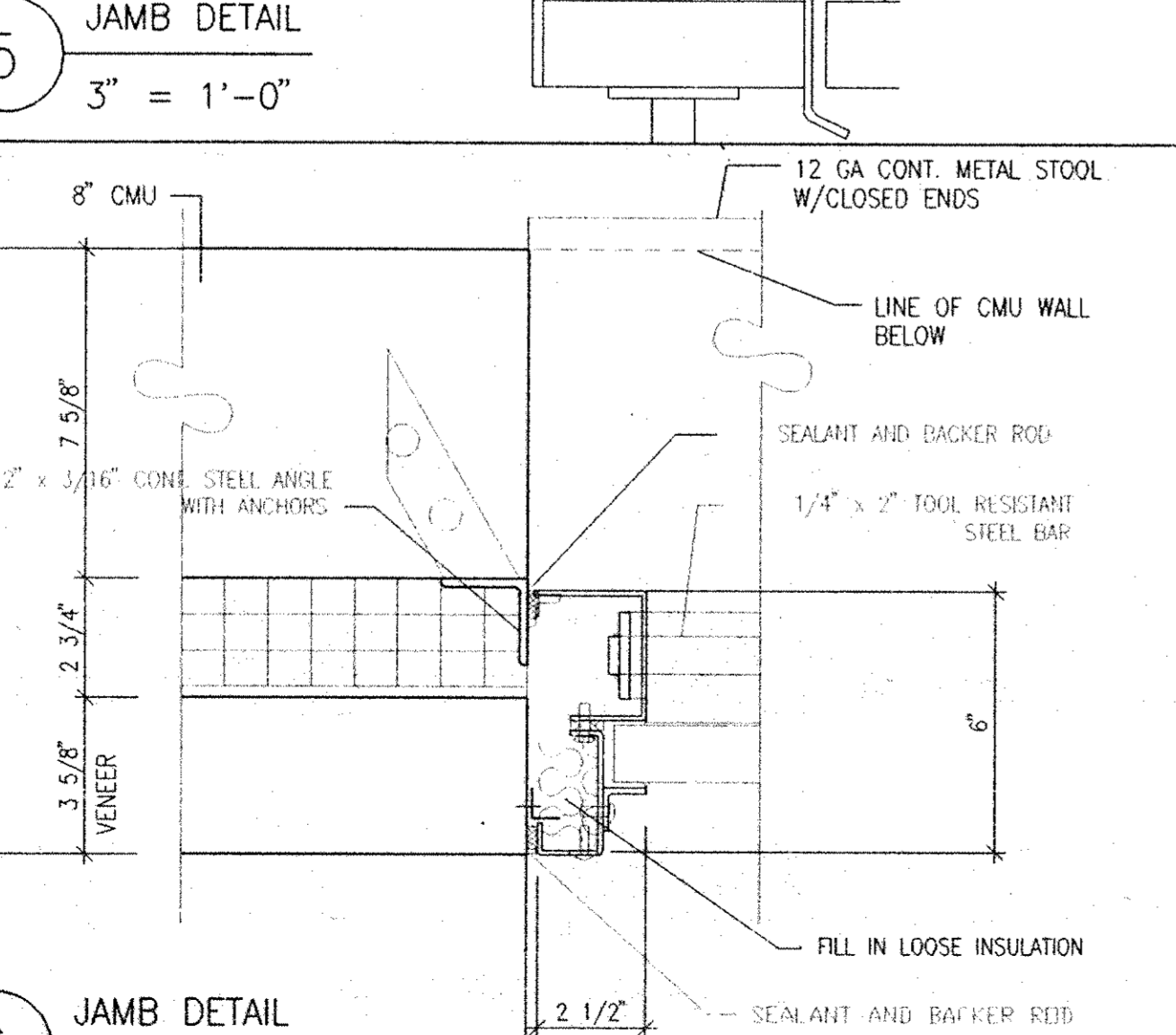
5 JAMB DETAIL
 3" = 1'-0"



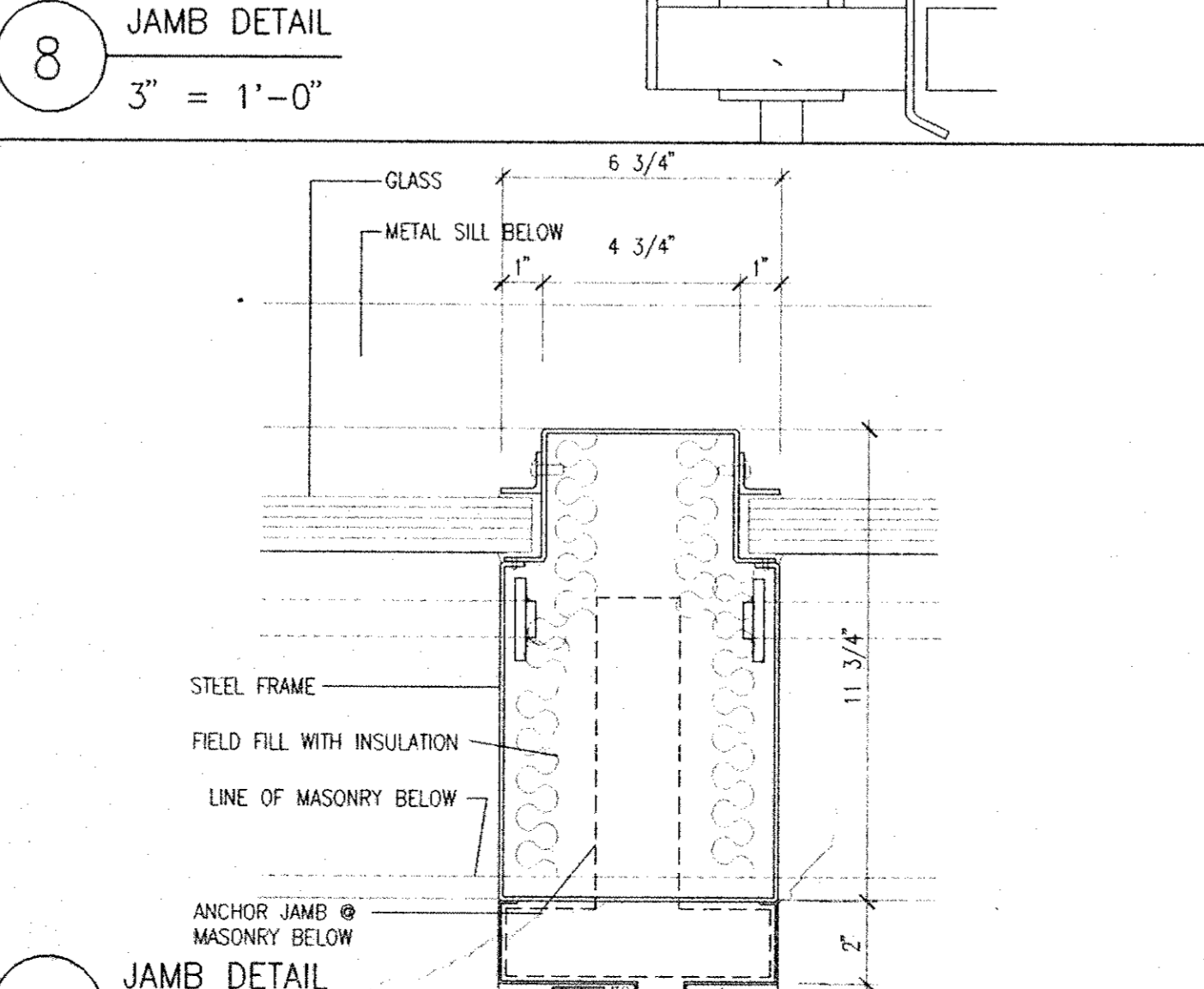
8 JAMB DETAIL
 3" = 1'-0"



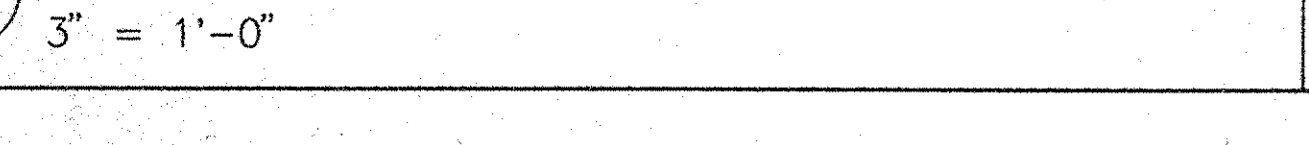
3 SILL DETAIL
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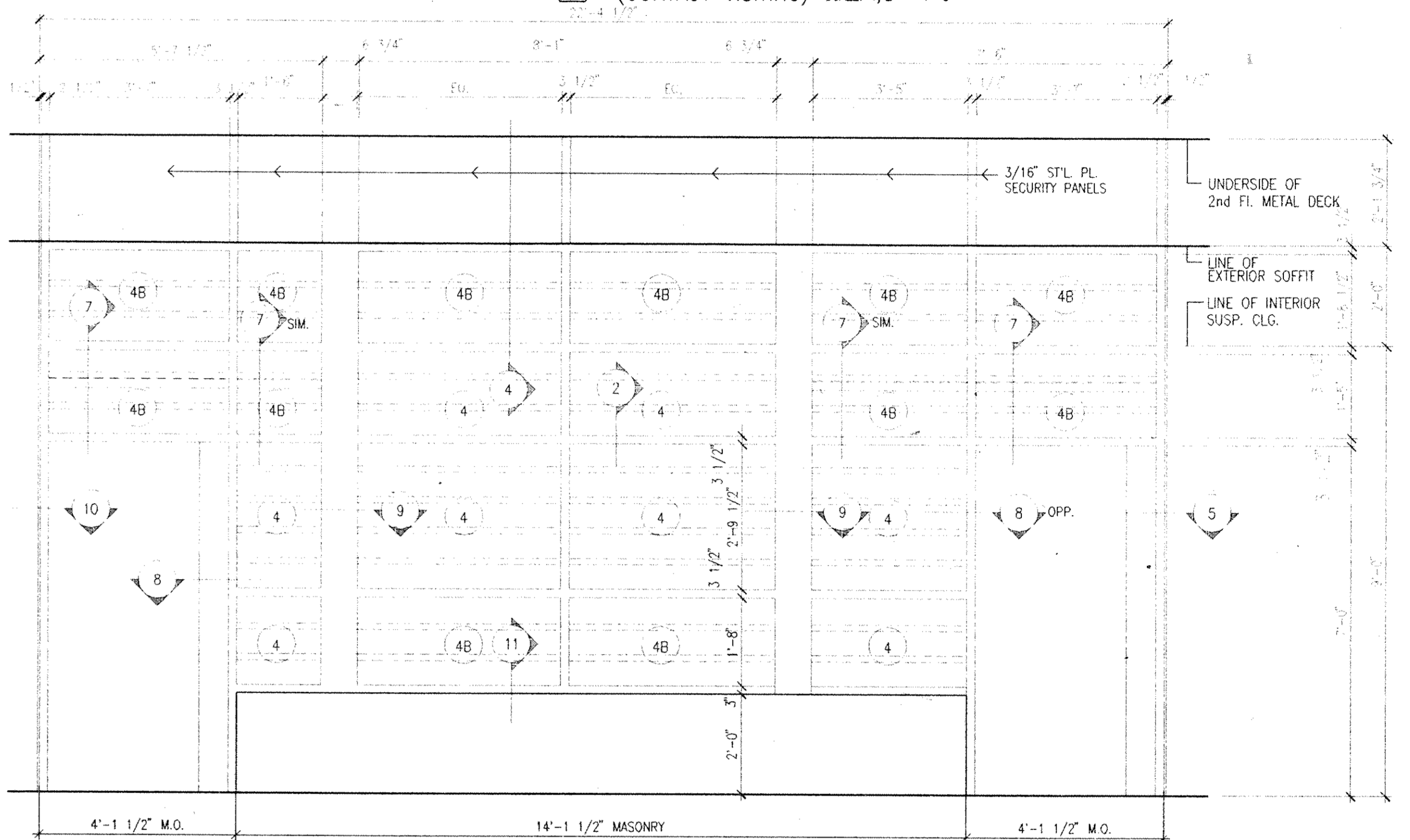
6 JAMB DETAIL
 3" = 1'-0"



9 JAMB DETAIL
 3" = 1'-0"

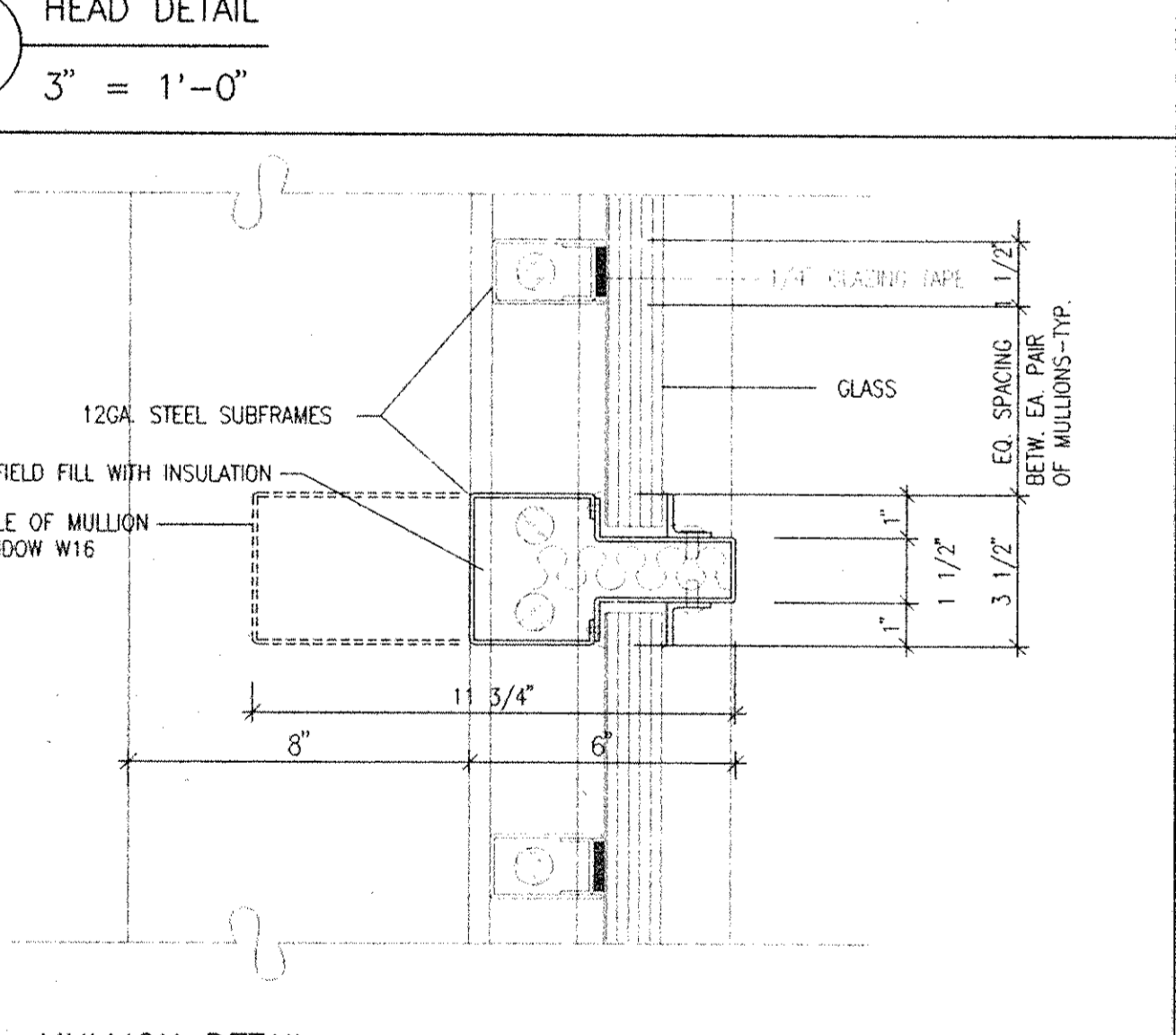


11 SILL DETAIL
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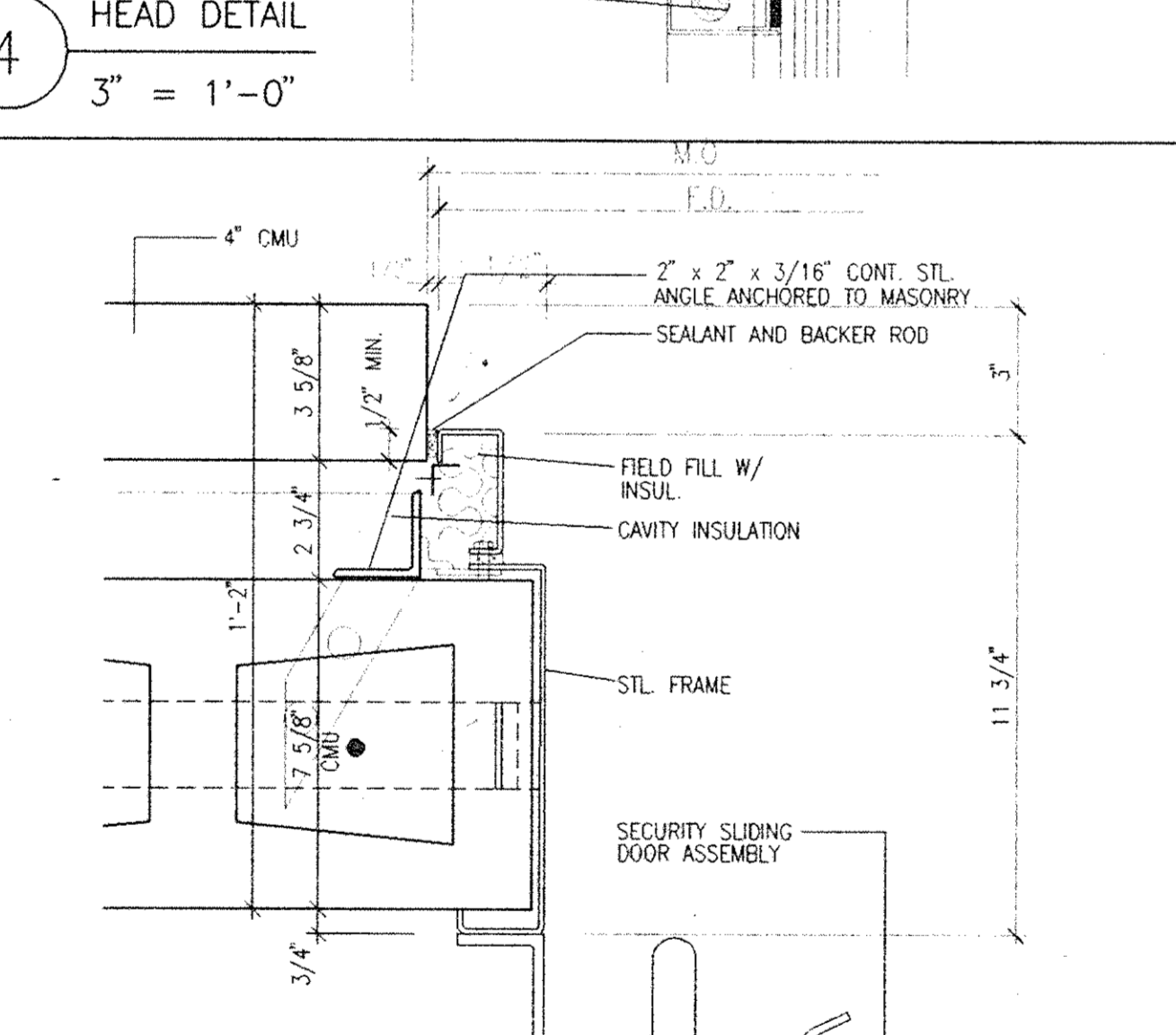


STEEL WINDOW WALL SCHEDULE

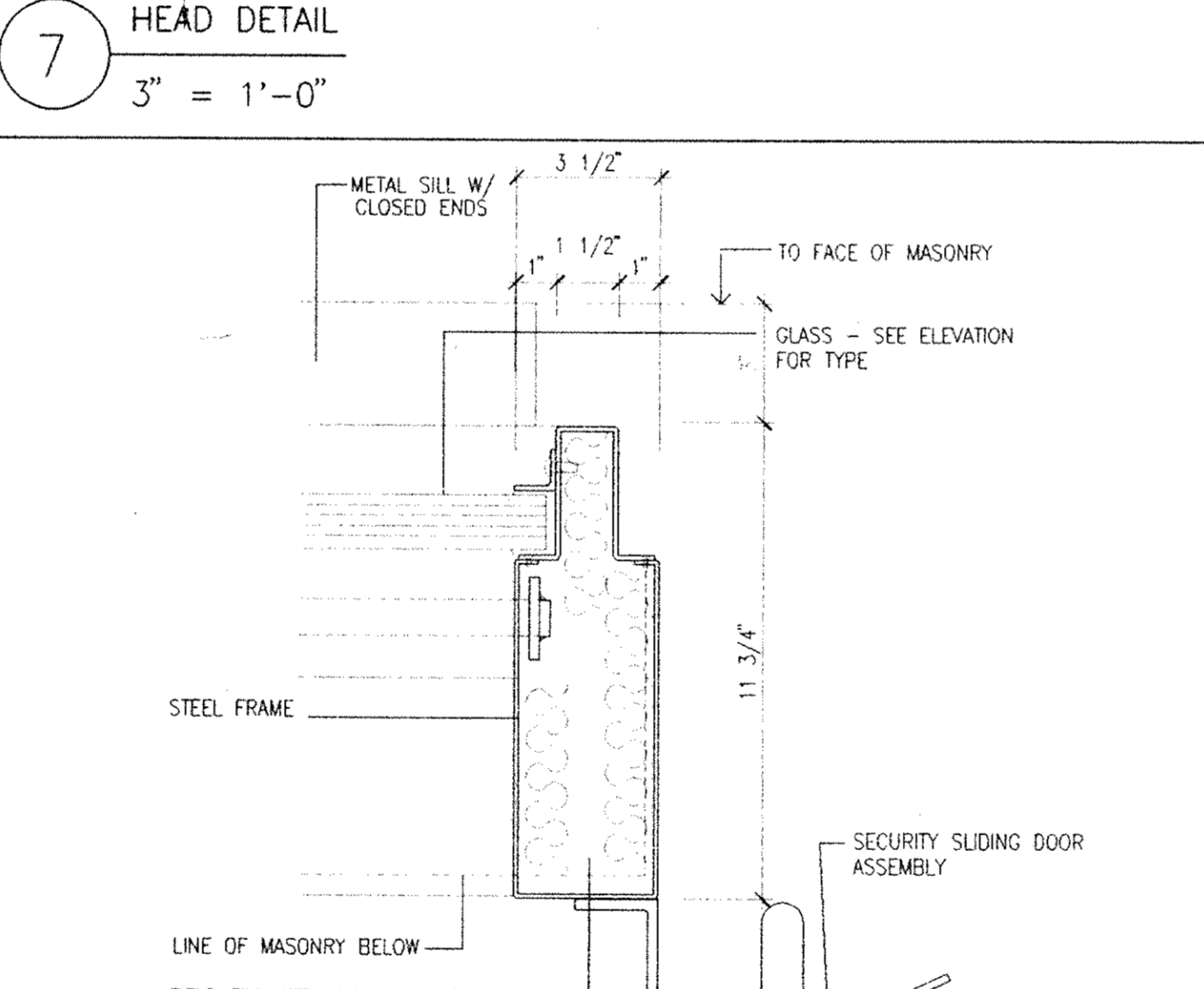
W16 FIXED STEEL WINDOW WALL
 (INTAKE LOBBY) SCALE: 1/2" = 1'-0"



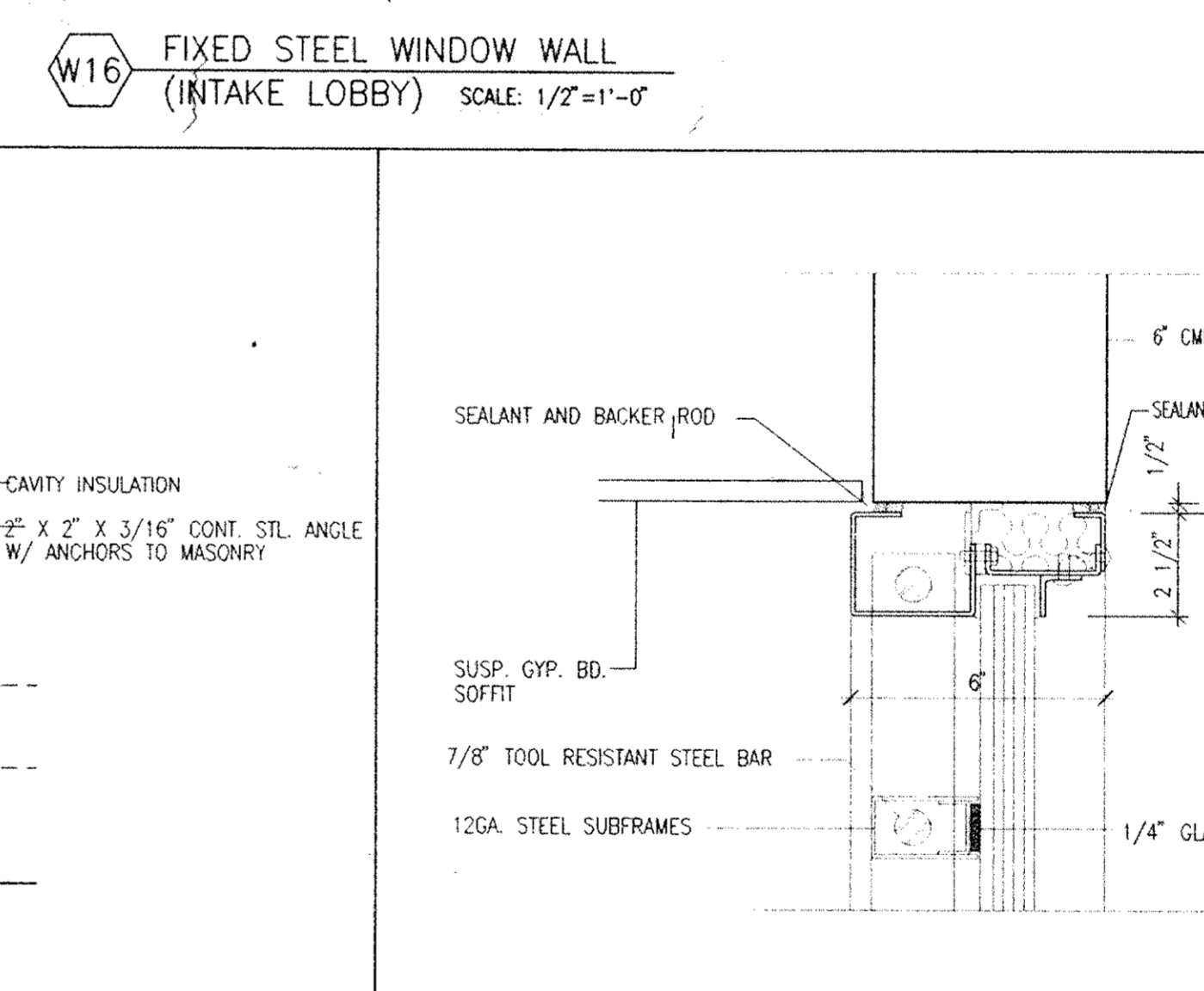
12 HEAD DETAIL
 3" = 1'-0"



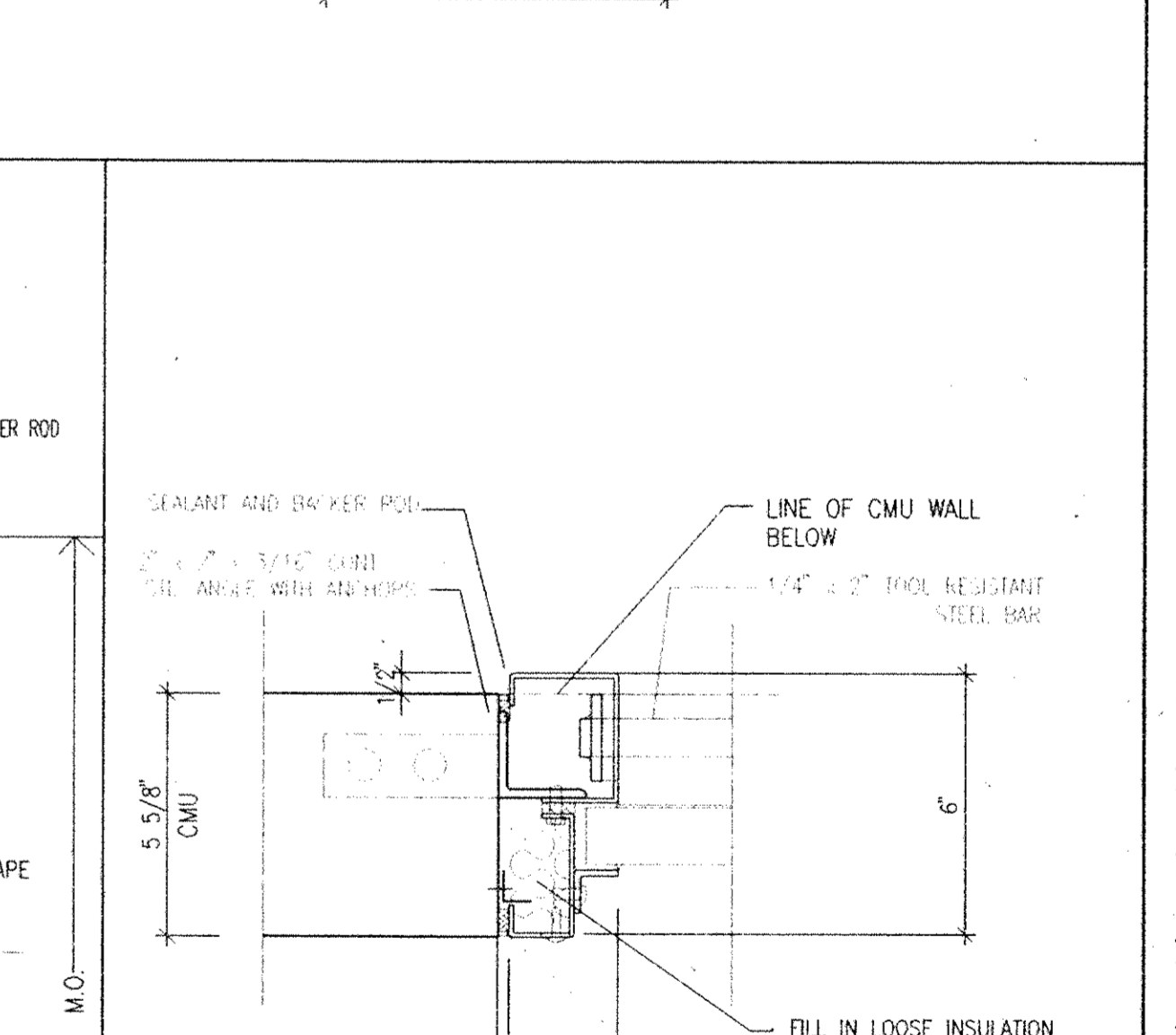
14 JAMB DETAIL
 3" = 1'-0"



10 JAMB DETAIL
 3" = 1'-0"

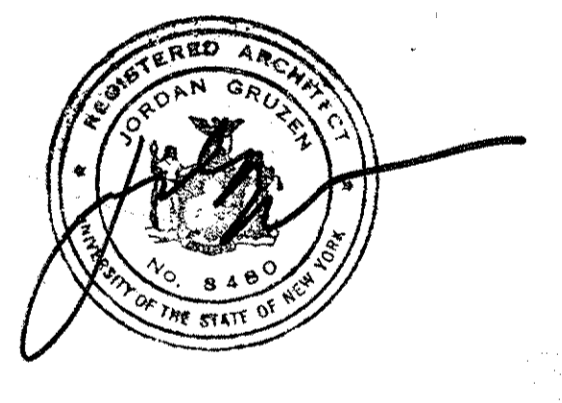


13 SILL DETAIL
 3" = 1'-0"

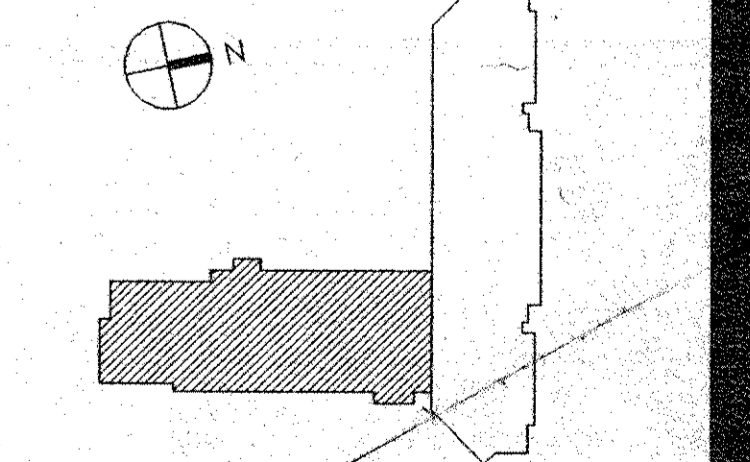


15 JAMB DETAIL
 3" = 1'-0"

Architects Planners & Interior Designers
 Cruzen Samton
 304 Park Avenue South
 New York, NY 10010
 Fax 212/477-1257
 Tel 212/477-0900
Associated Architects
 Rick Associates
 130 West 30th Street
 New York, NY 10001
 Fax 212/268-5897
 Tel 212/563-9154
Structural Engineers
 DeSimone, Chaplin & Dobryn P.C.
 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211
Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y.
 Fax 212/730-6425
 Tel 212/382-1800
Civil Engineers
 Page & Martin
 54-56 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0905
 Tel 914/471-7898

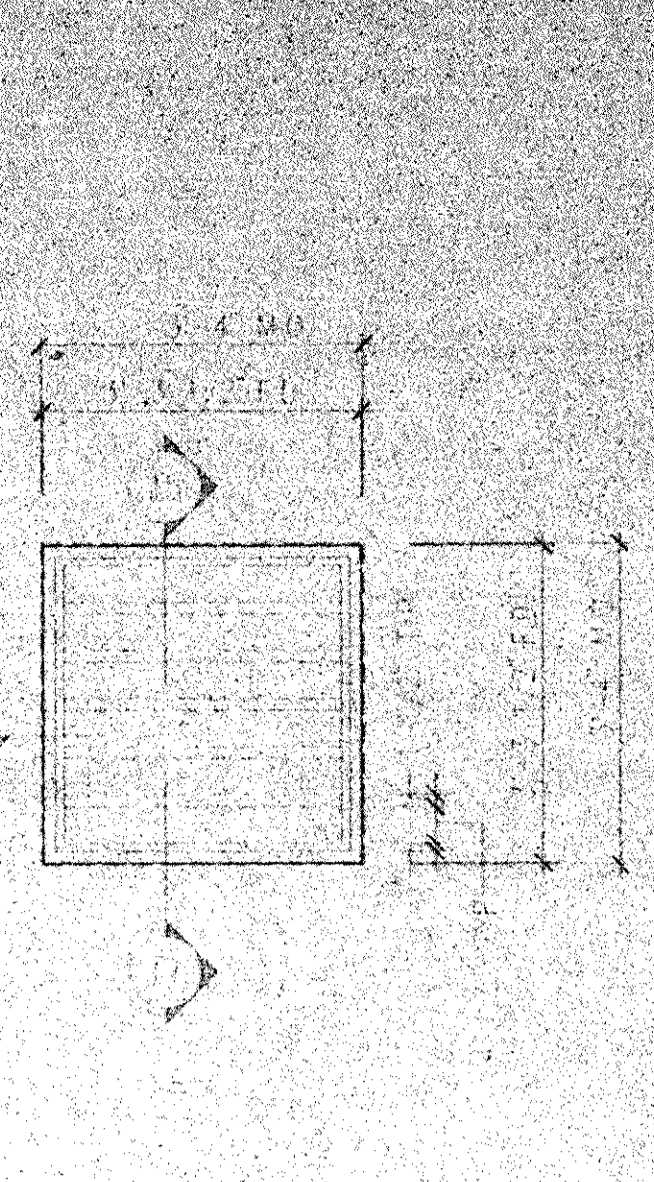
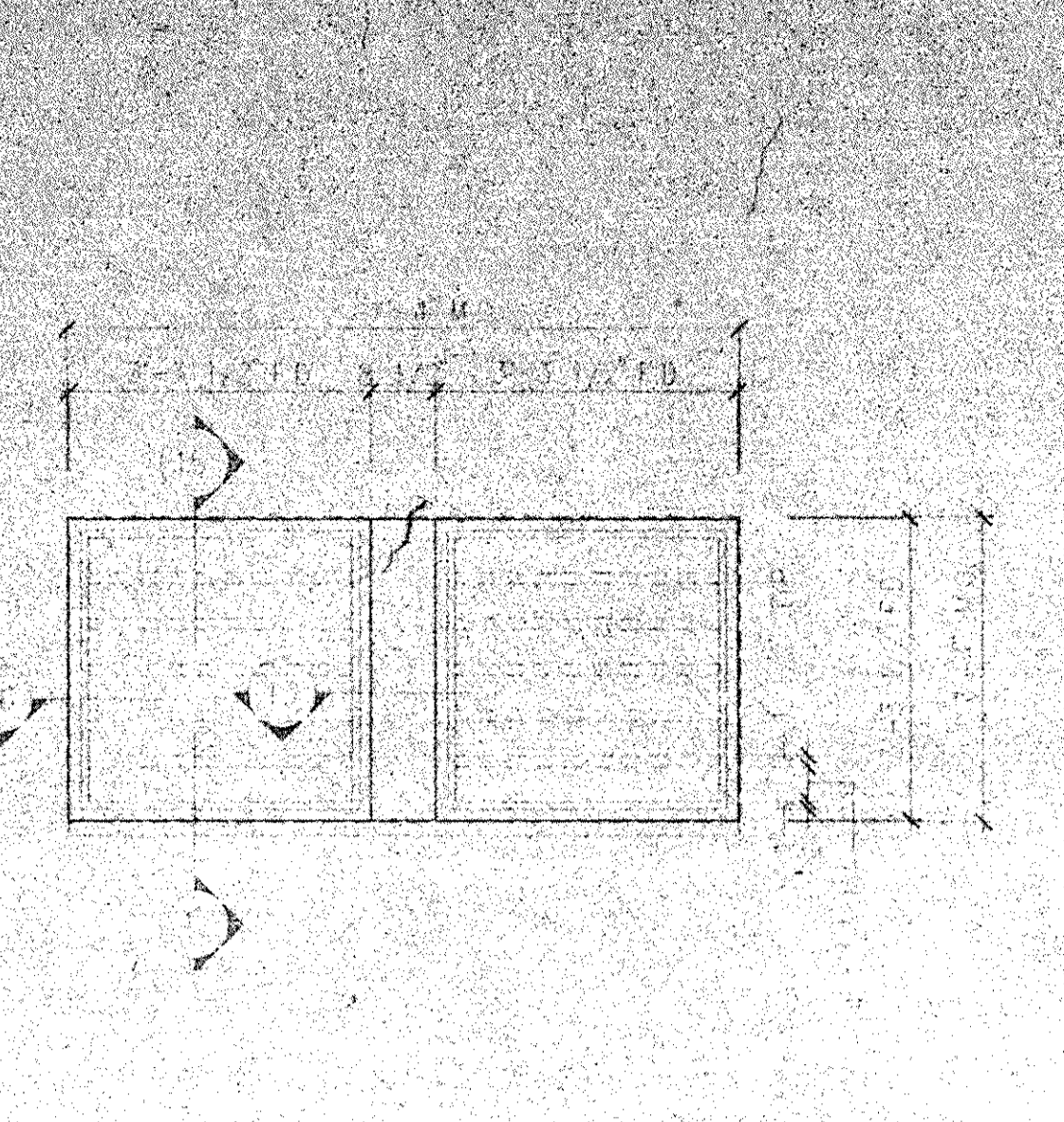
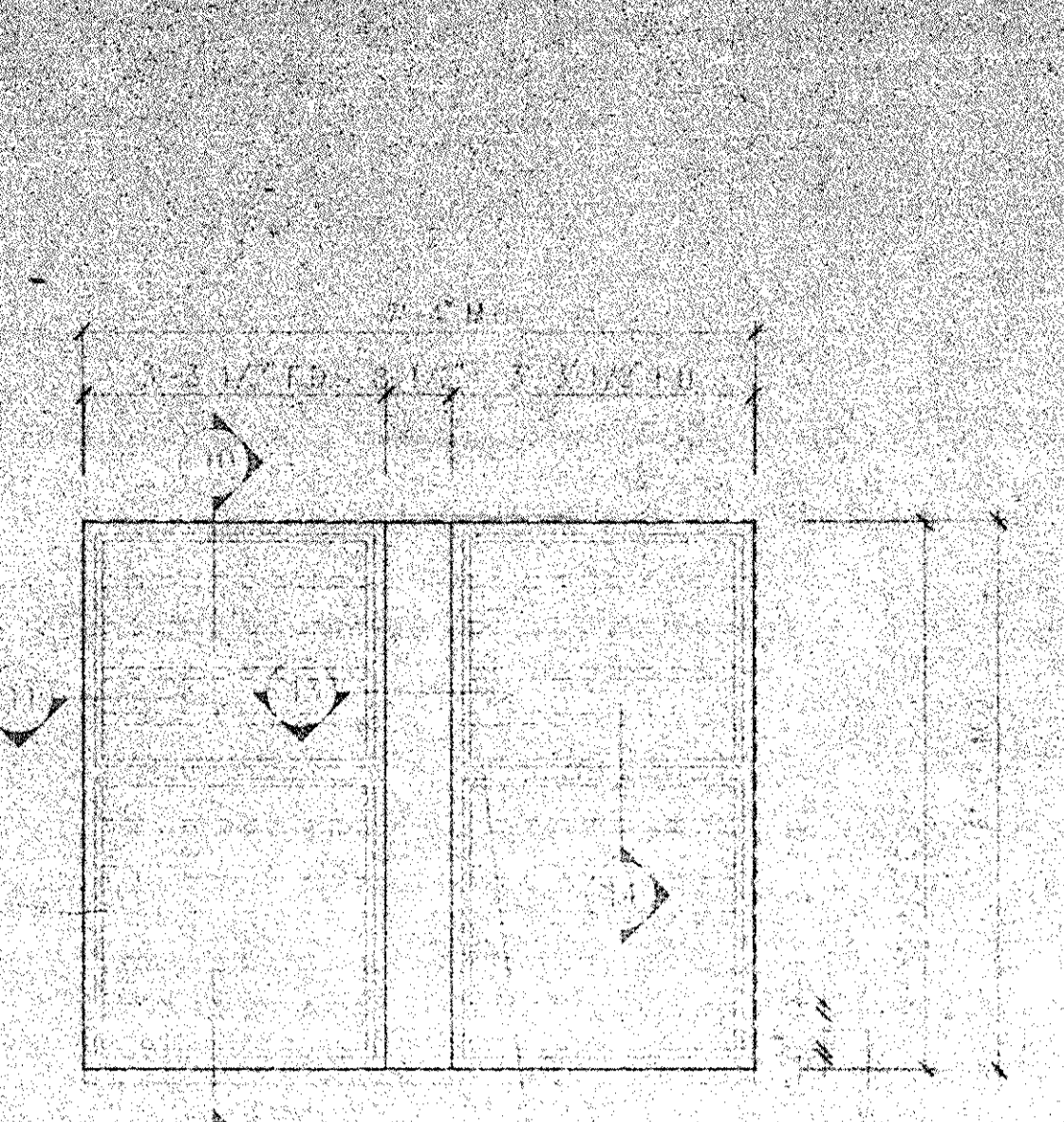
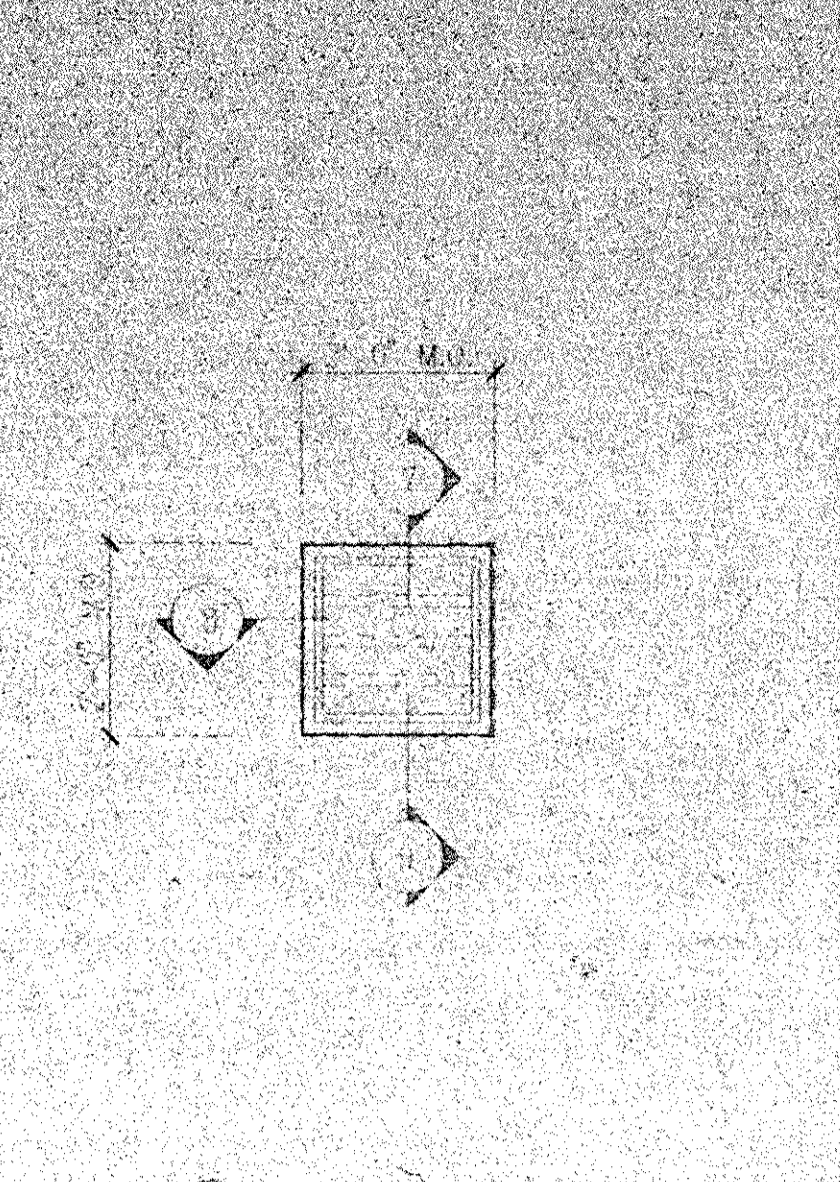
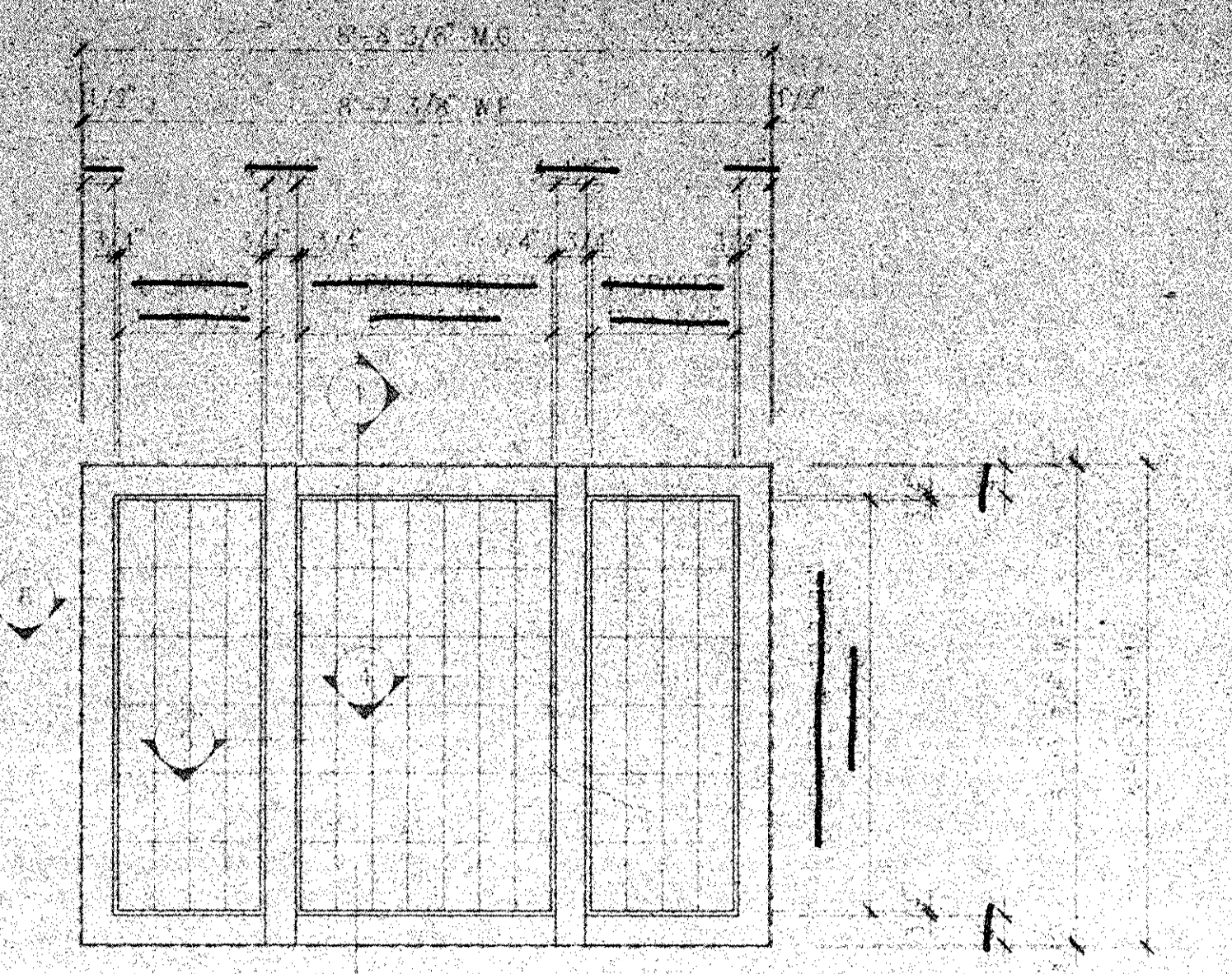
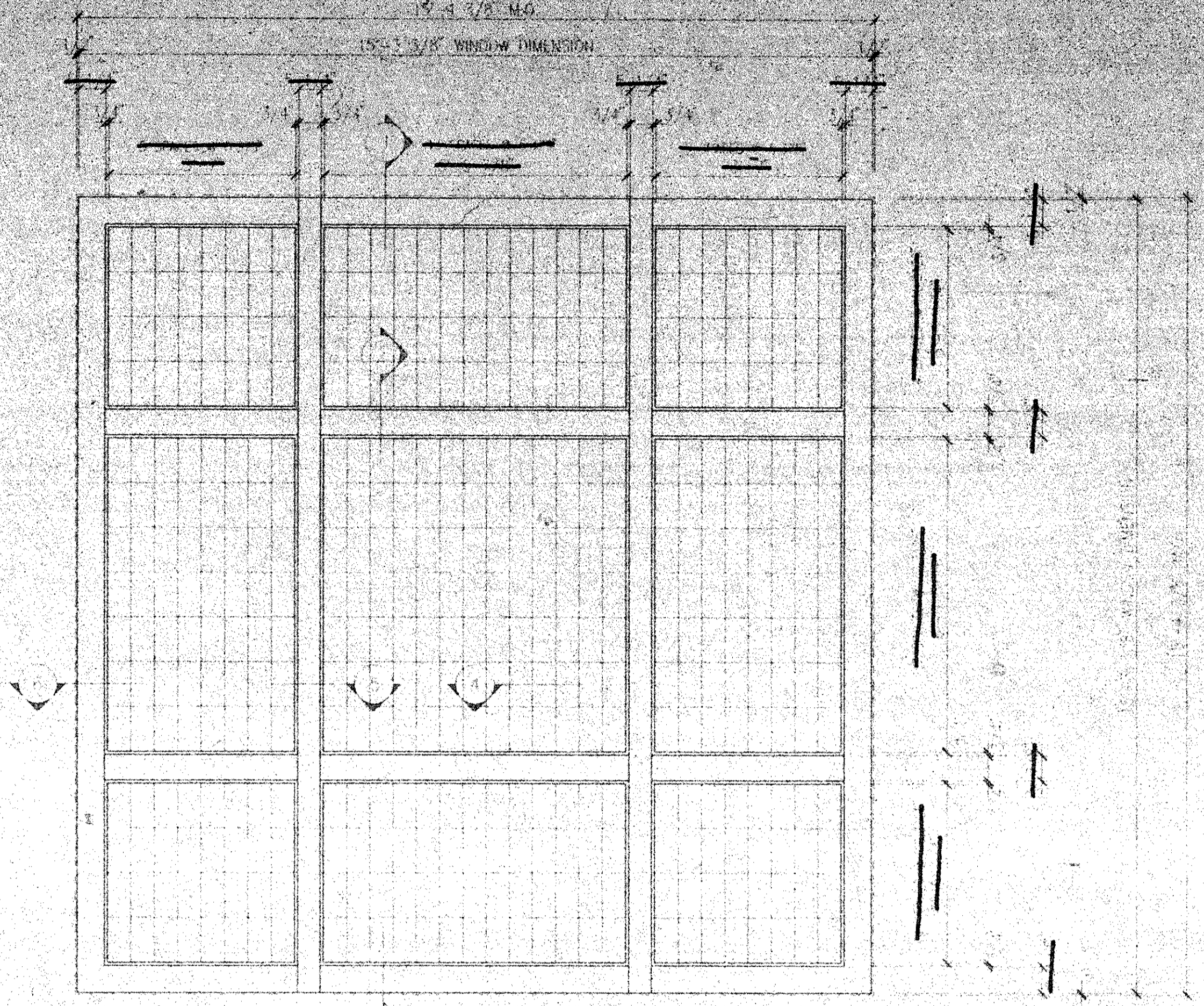


No.	Date	Revision
5	08.05.94	GENERAL REVISIONS
4	04.29.94	BID ISSUE
3	04.15.94	ADDENDUM 4.1
2	04.07.94	WINDOW W16 REVISIONS
1	03.31.94	CM REVIEW ISSUE



STEEL WINDOW WALL SCHEDULE & DETAILS

Project No. 91-1288
 Drawing No. 0901.00



W5 FIXED STEEL WINDOW WALL
 GLAZED WITH TRANSLUCENT CLASS 3 BLOCK
 NOTE: SEE APPROVED STEEL WINDOW SHOP DWGS FOR FRAME & OPENING DIMENSIONS.

W4 FIXED STEEL SECURITY SASH
 GLAZED WITH GLASS TYPE 3

W3 FIXED STEEL SECURITY SASH
 GLAZED WITH GLASS TYPE 3

W2 FIXED STEEL SECURITY SASH
 GLAZED WITH GLASS TYPE 3

W1 FIXED STEEL SECURITY SASH
 PREGLAZED WITH GLASS TYPE 3

SECURITY WINDOW SCHEDULE

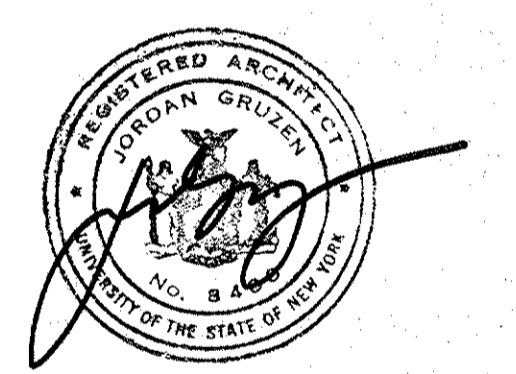
Architects Planners & Interior Designers
 Crusen Samton
 304 Park Avenue South
 New York, NY 10010
 Fax 212/477-1257
 Tel 212/477-0900

Associated Architects
 Ricci Associates
 130 West 30th Street
 New York, NY 10001
 Fax 212/268-5897
 Tel 212/563-9154

Structural Engineers
 DeSimone, Chaplin & Dobryn P.C.
 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211

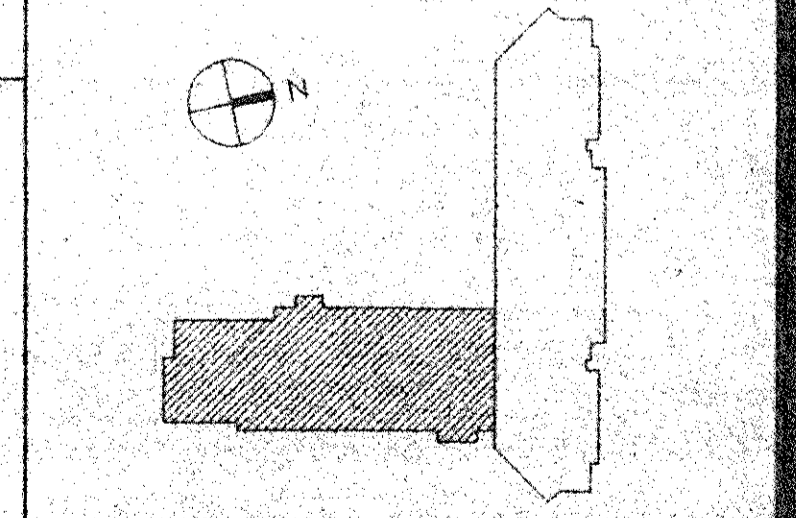
Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
 Fax 212/730-6425
 Tel 212/382-1800

Civil Engineers
 Paggi & Martin
 54-36 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0805
 Tel 914/471-7898



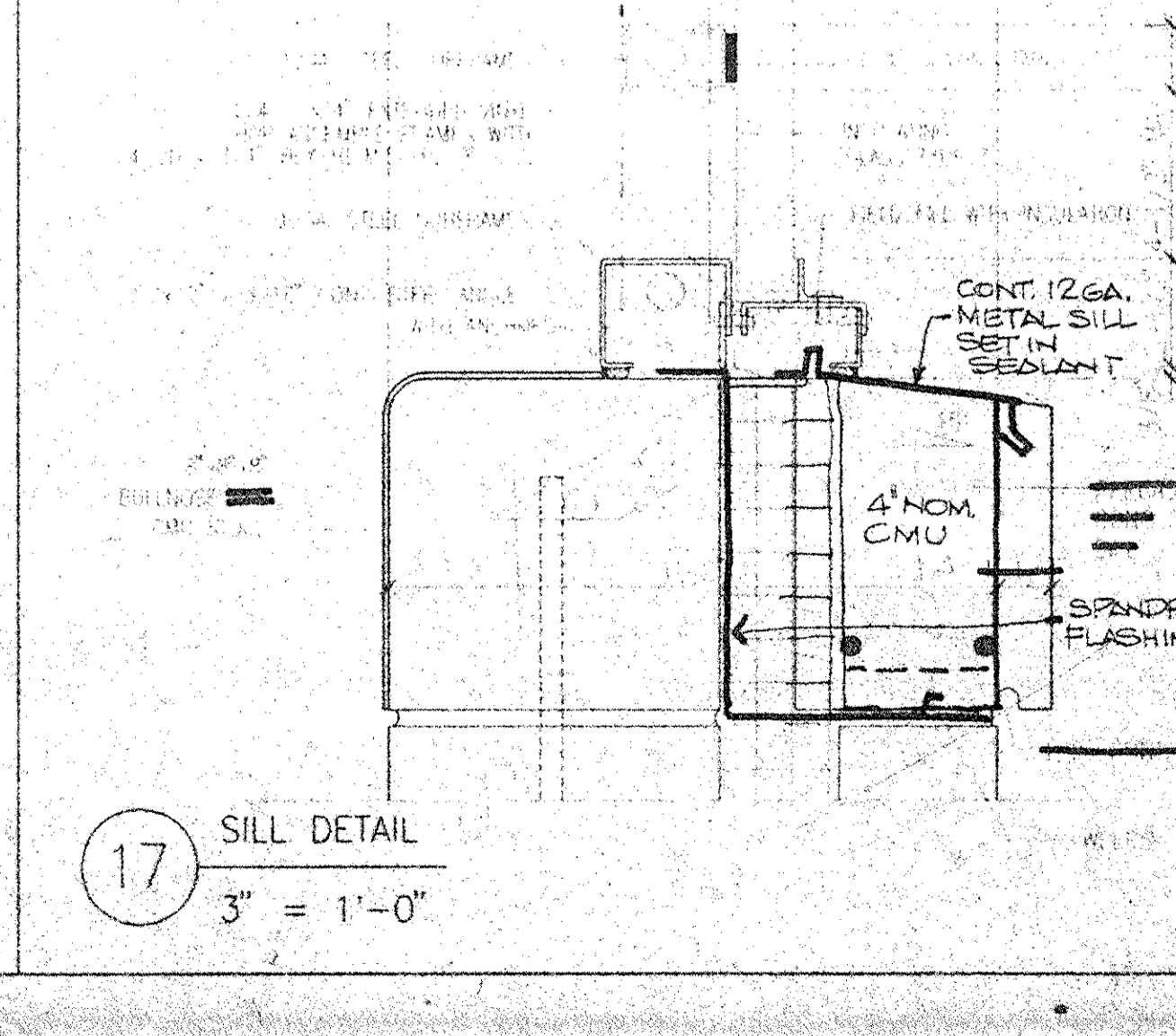
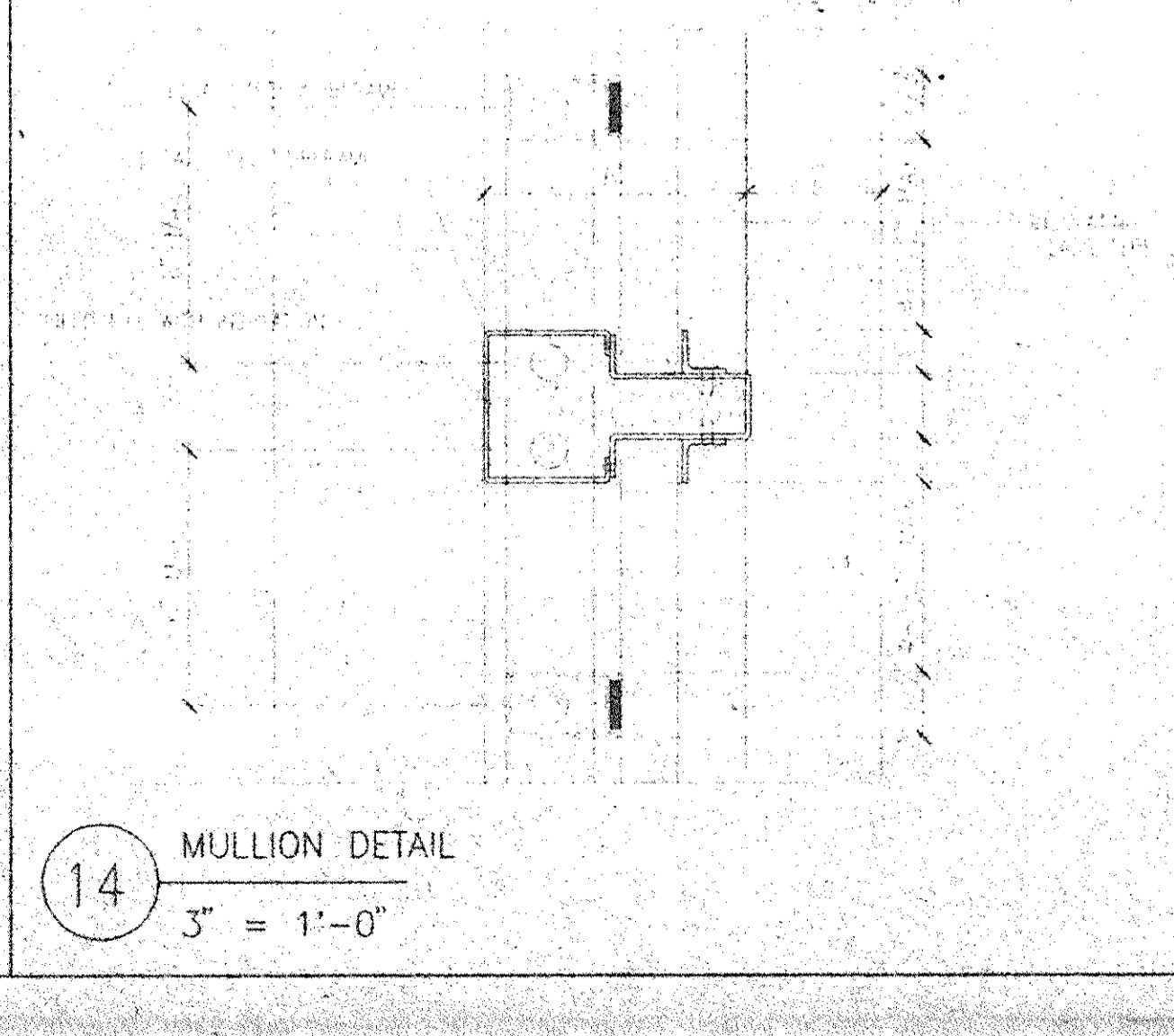
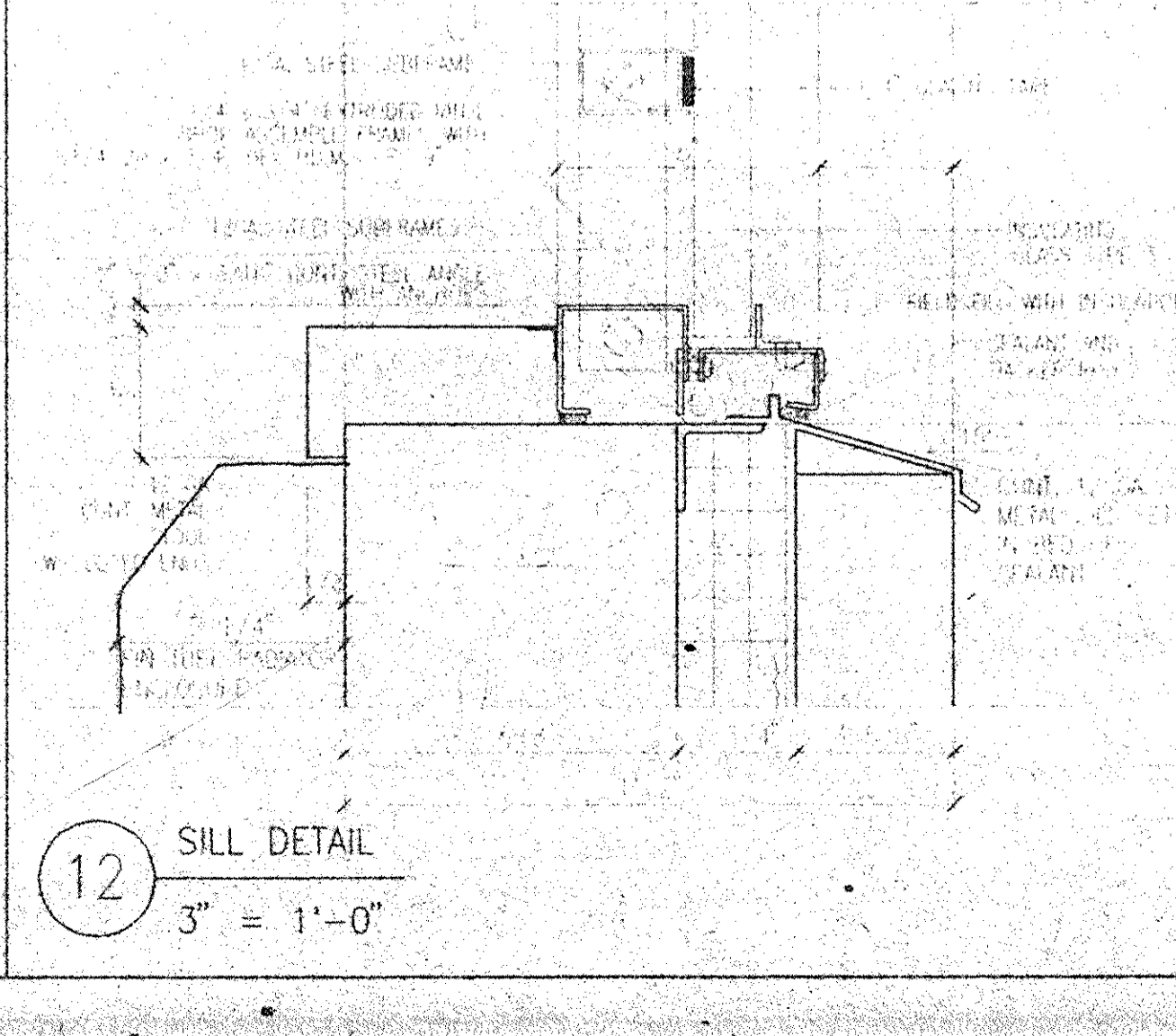
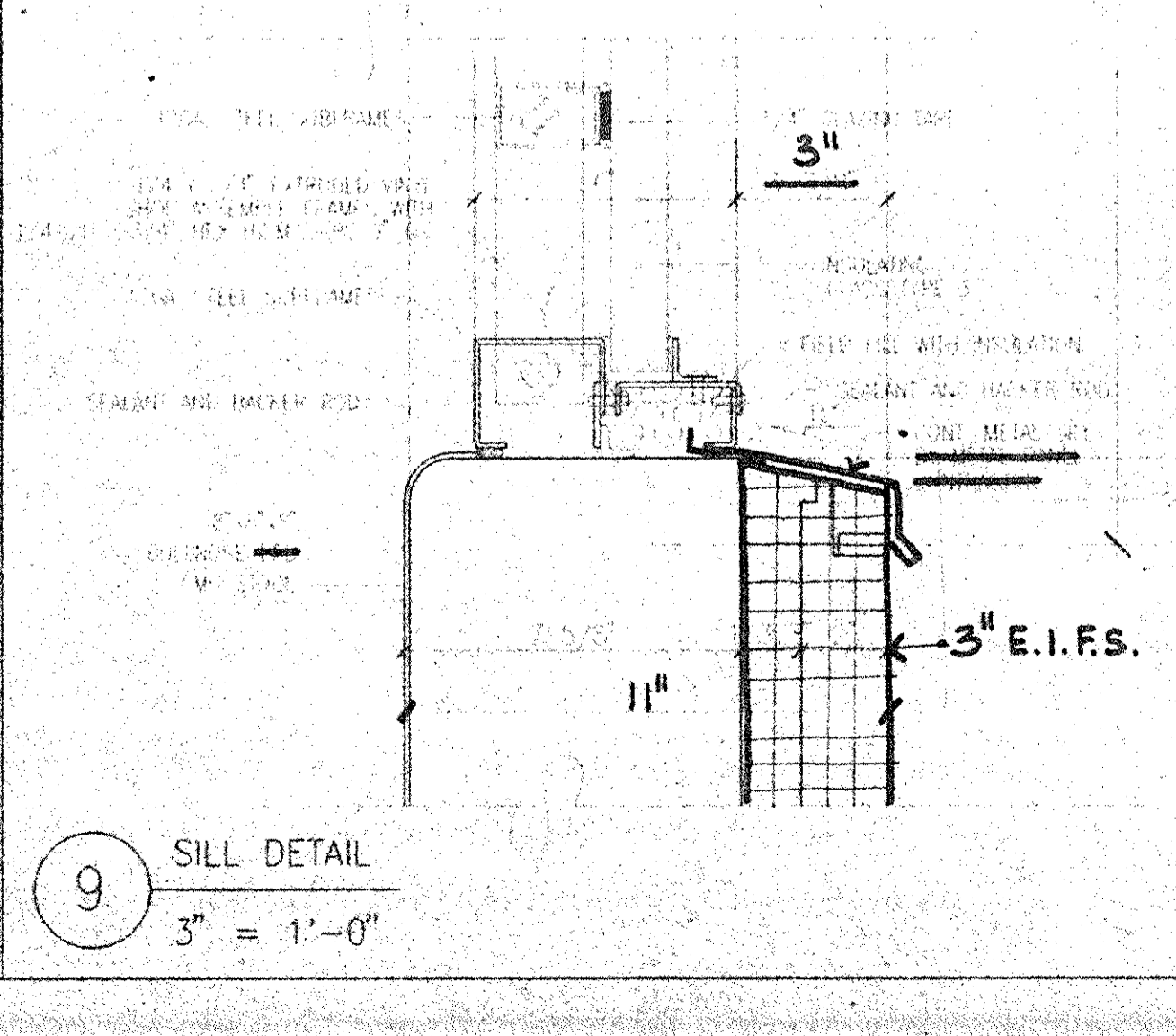
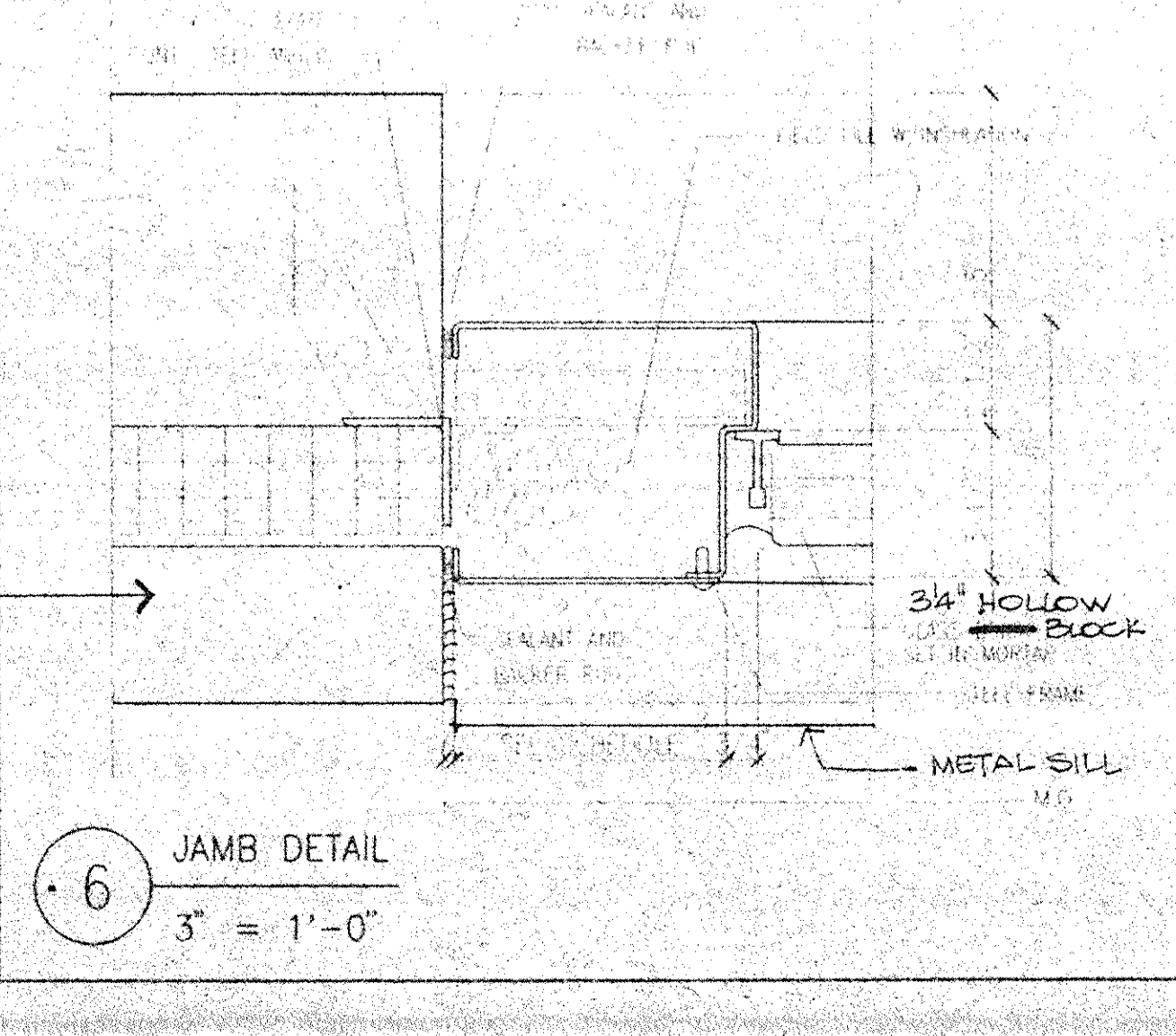
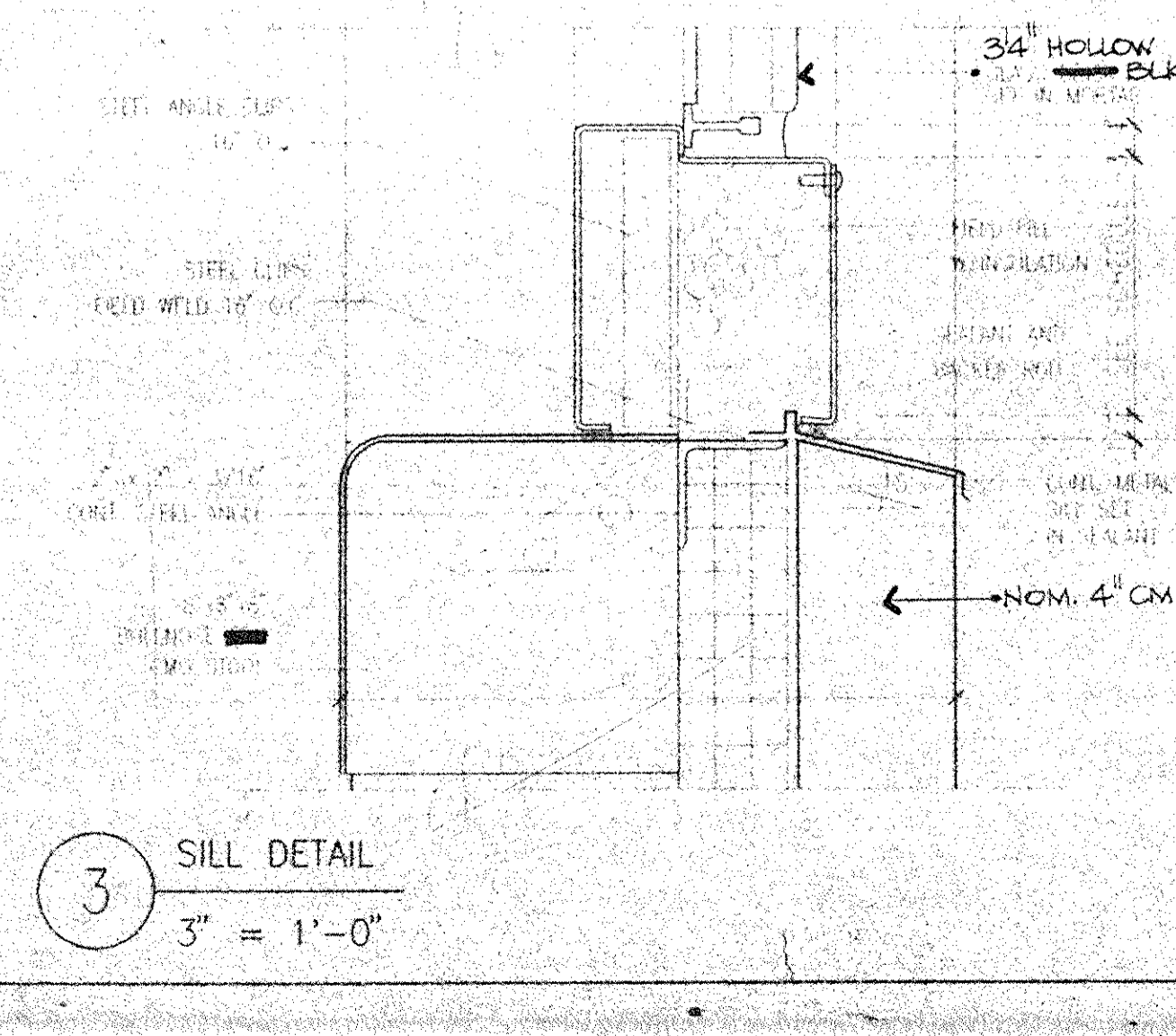
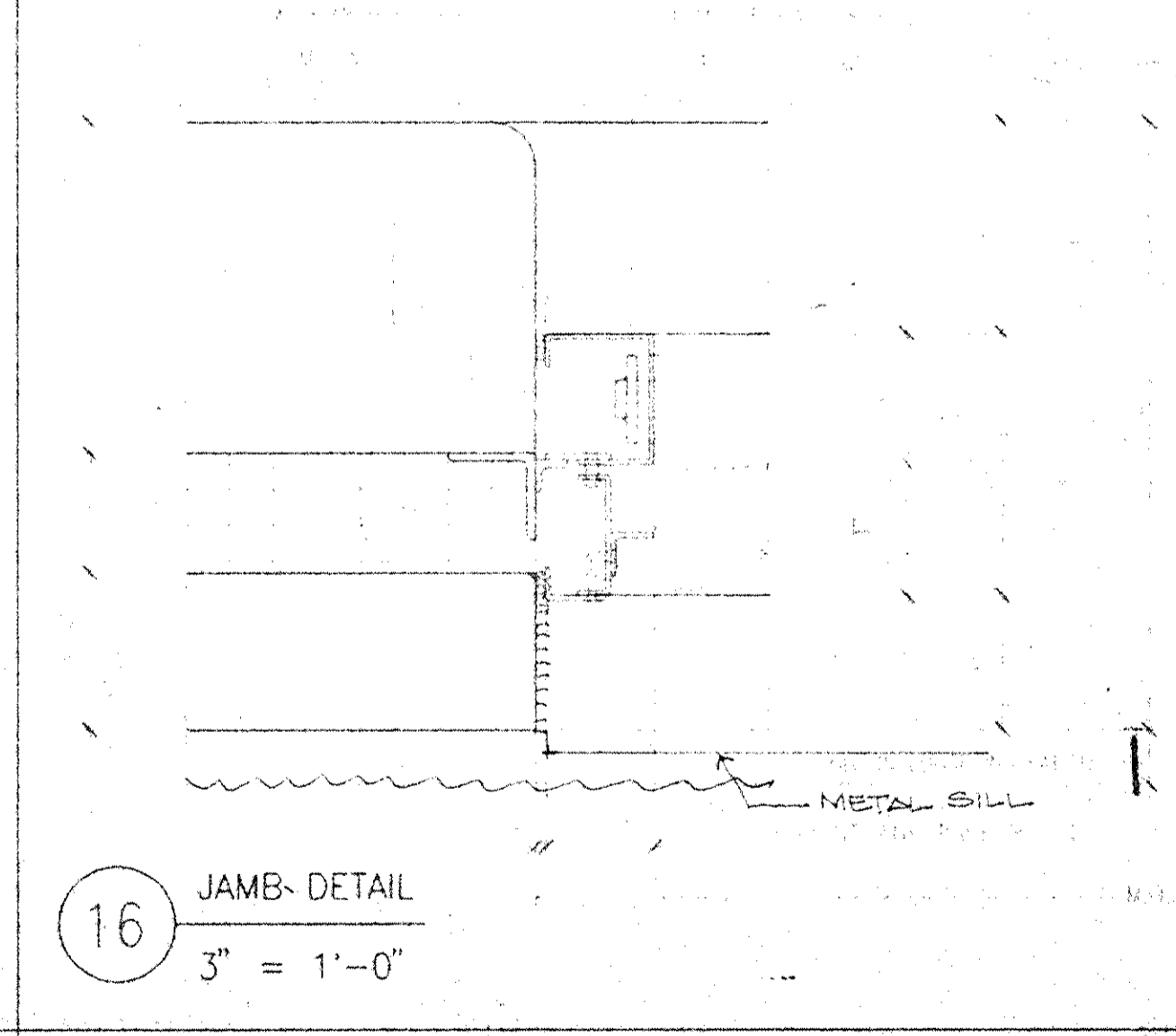
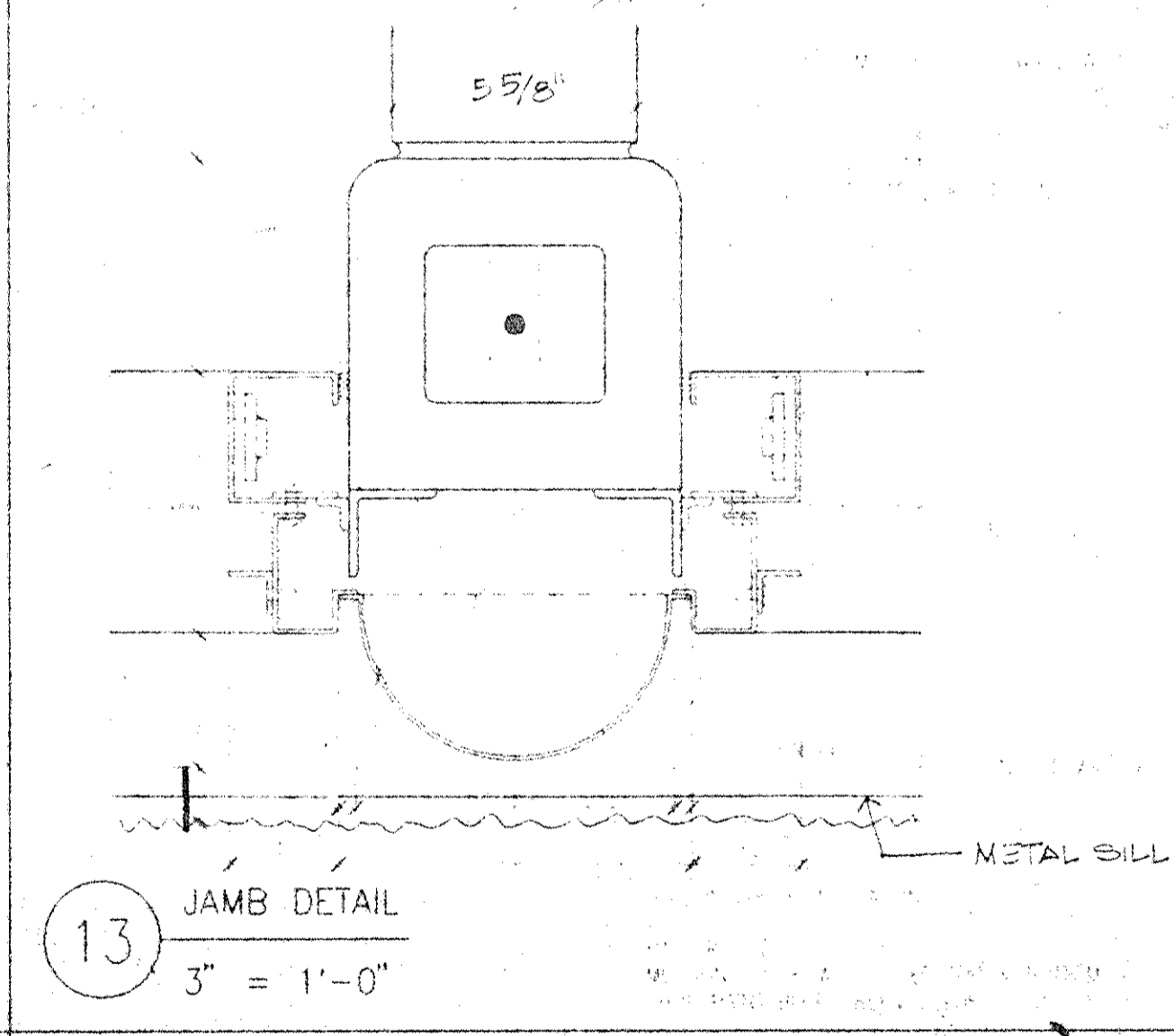
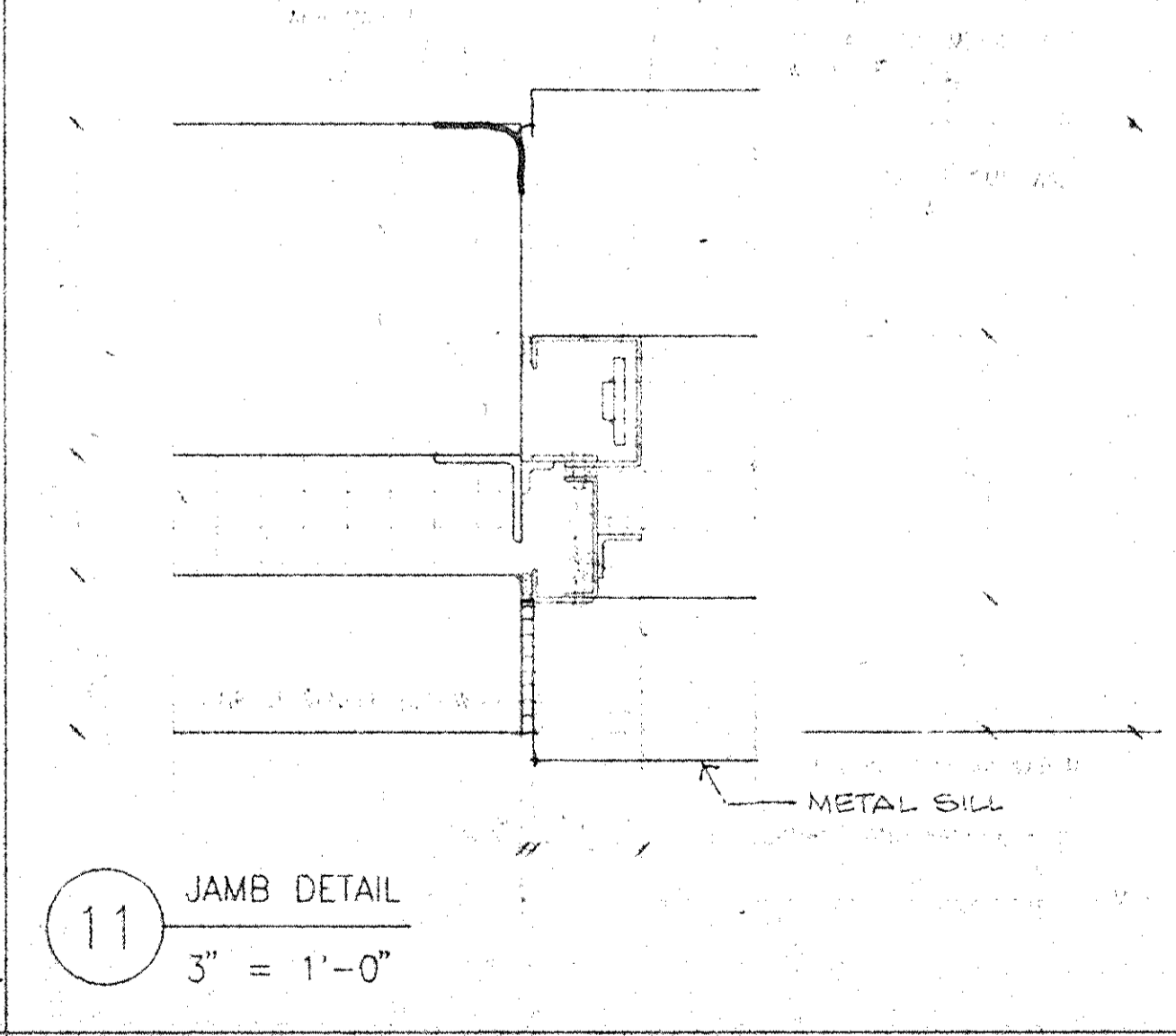
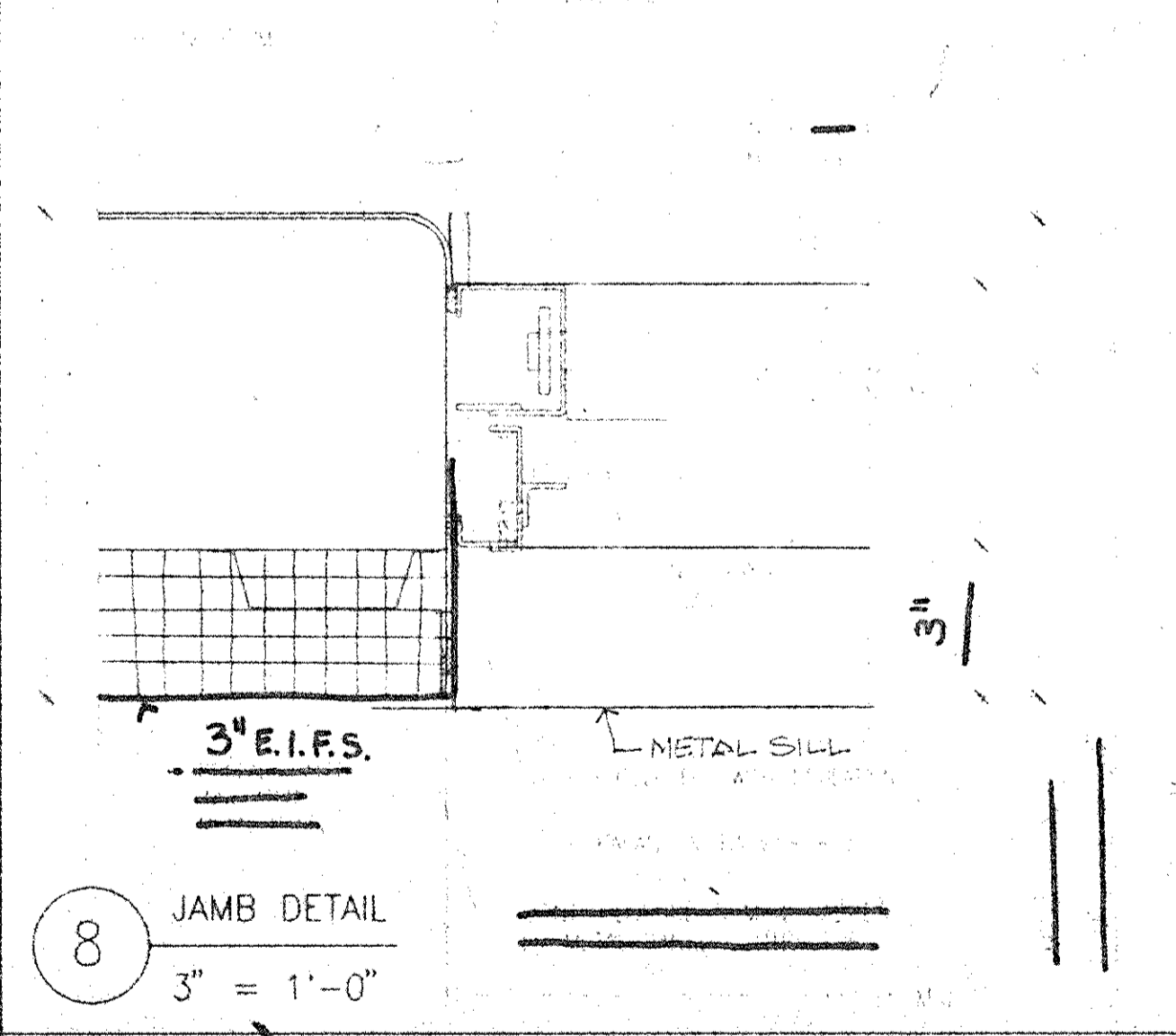
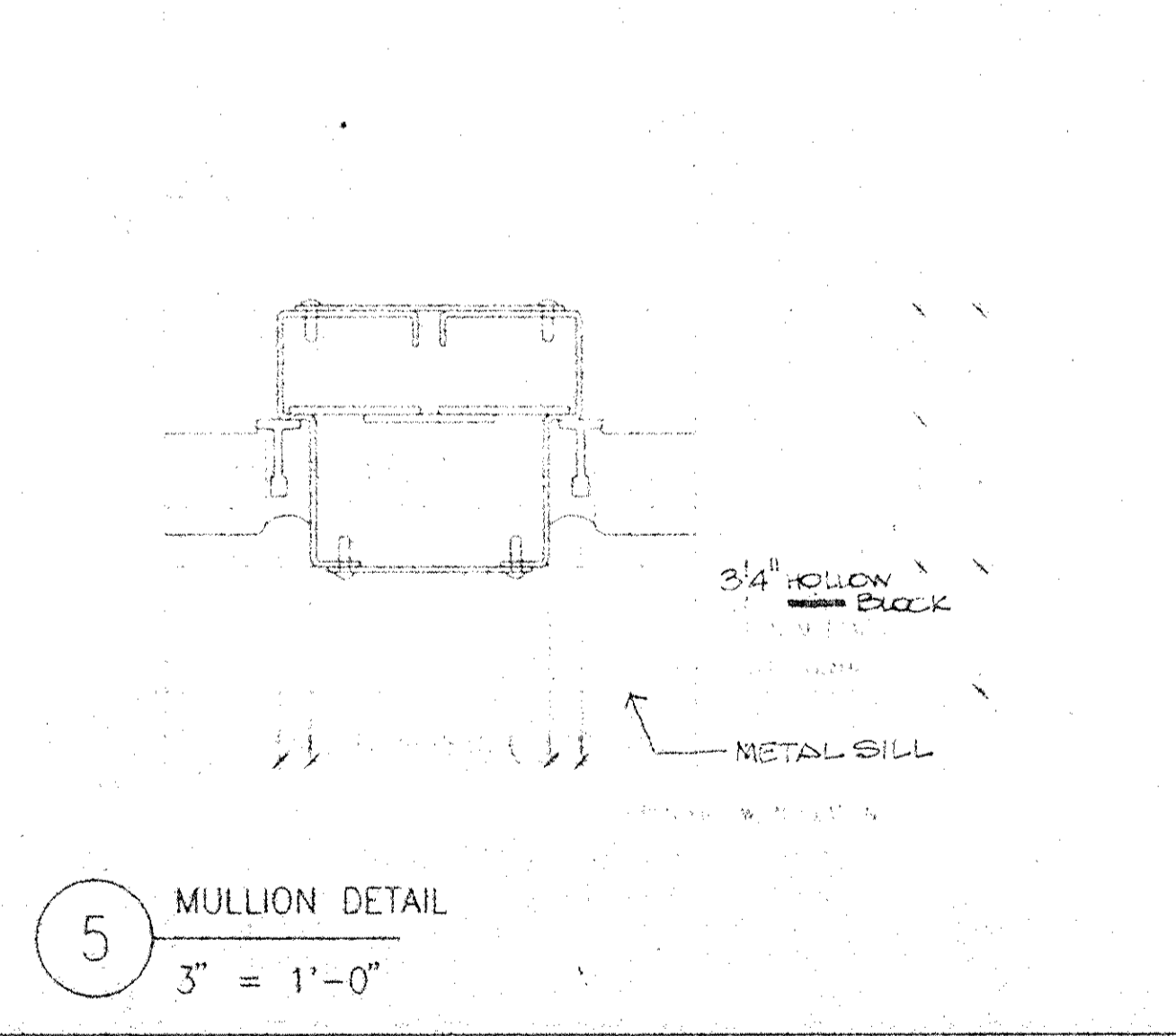
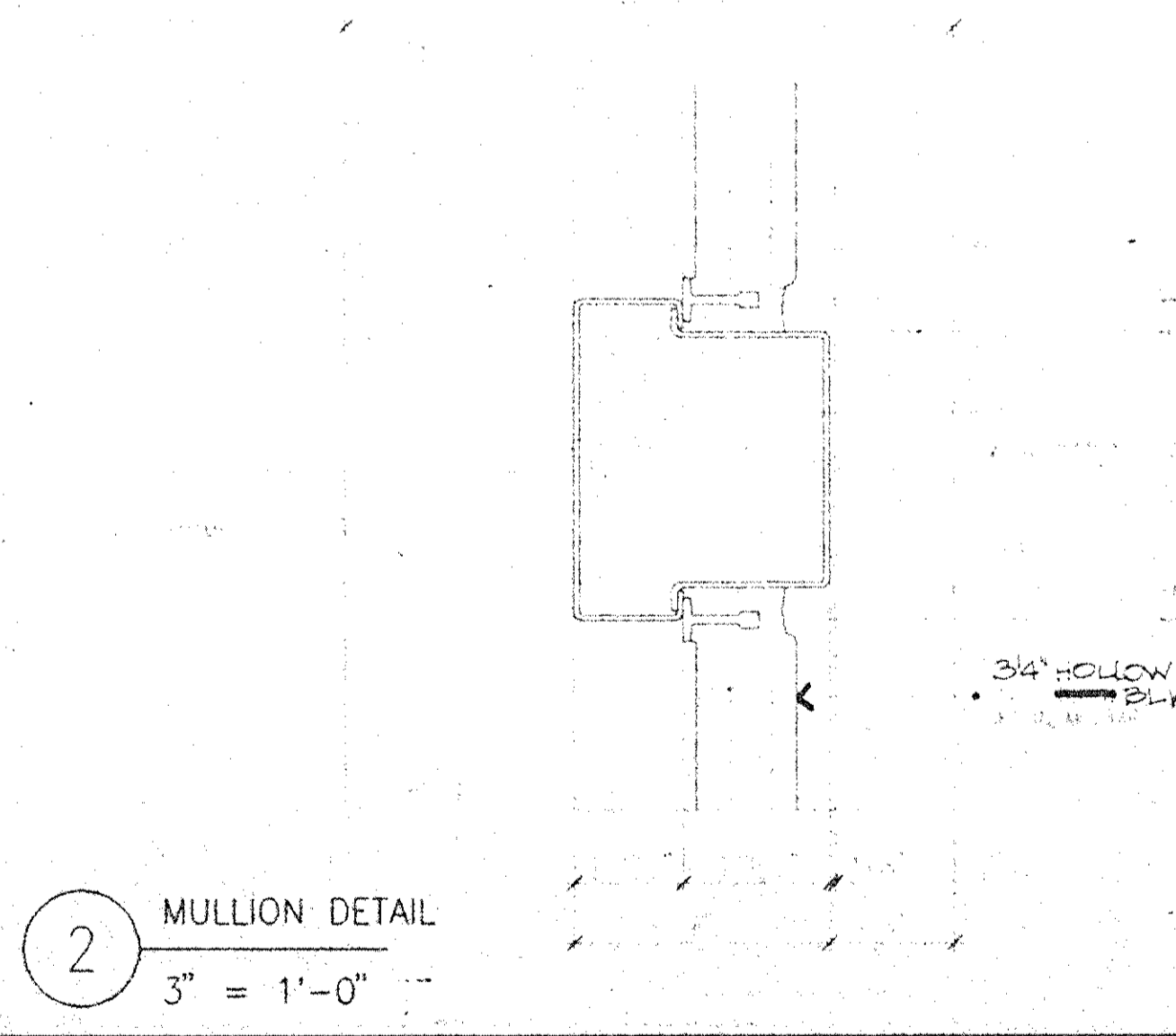
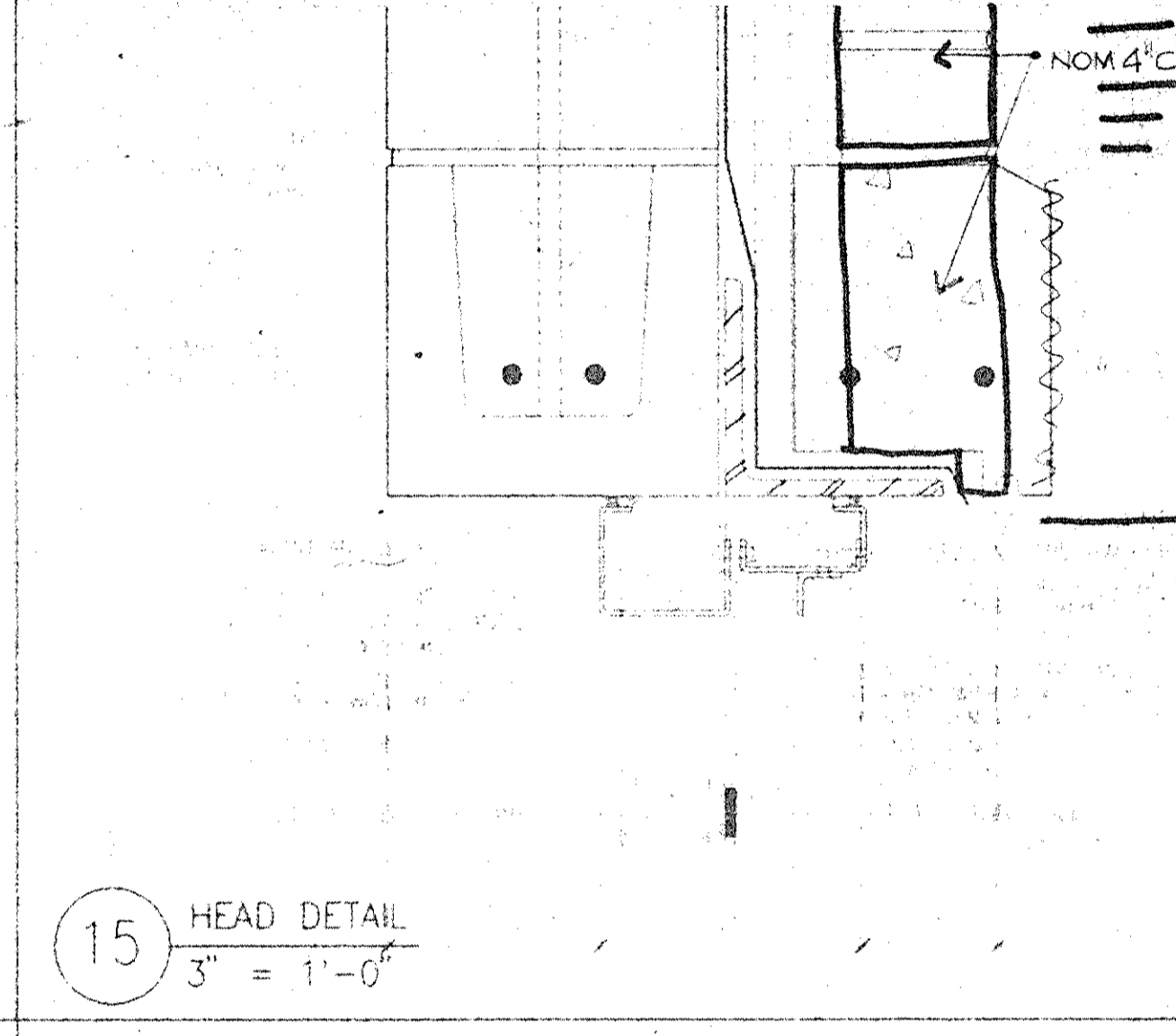
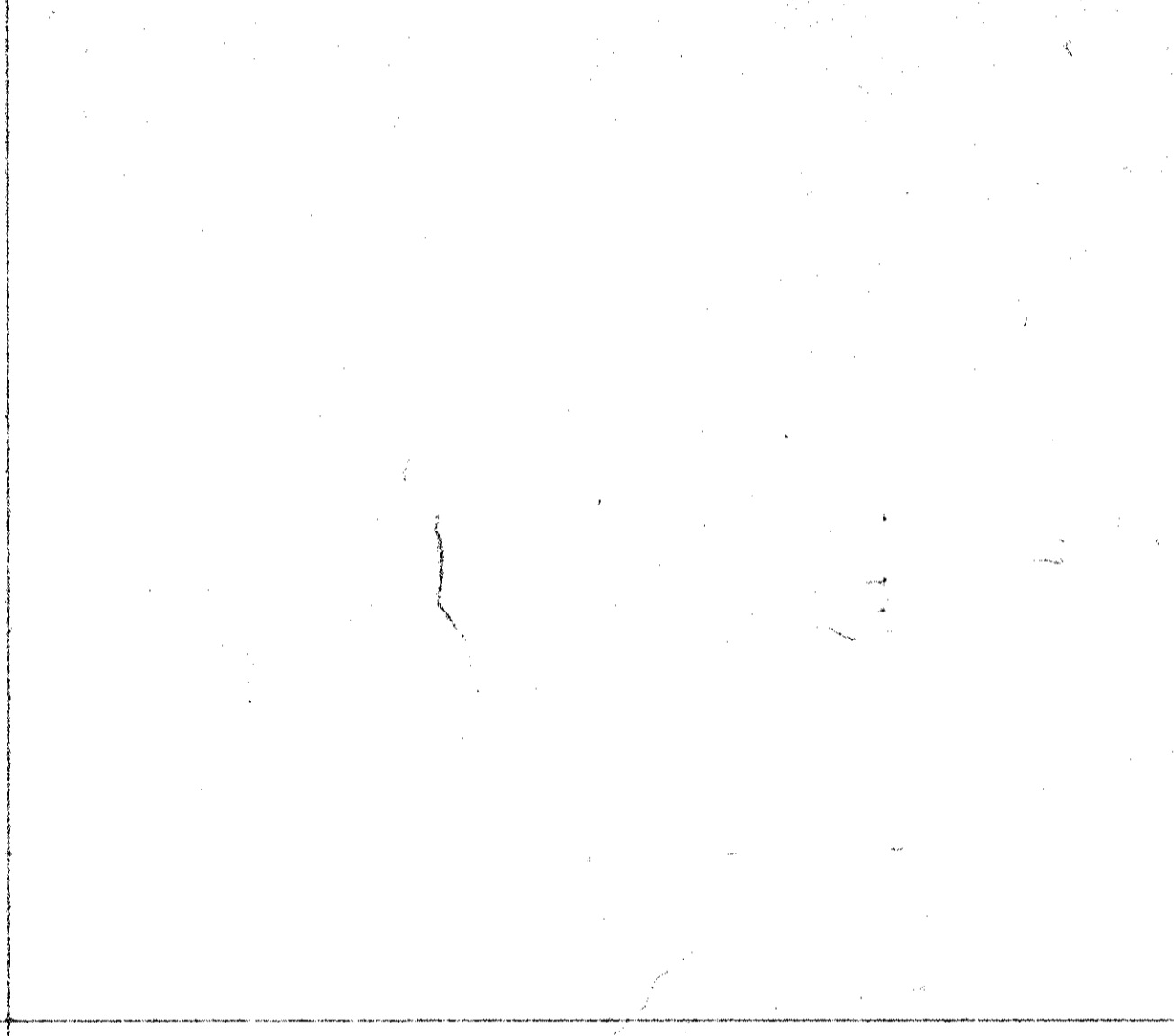
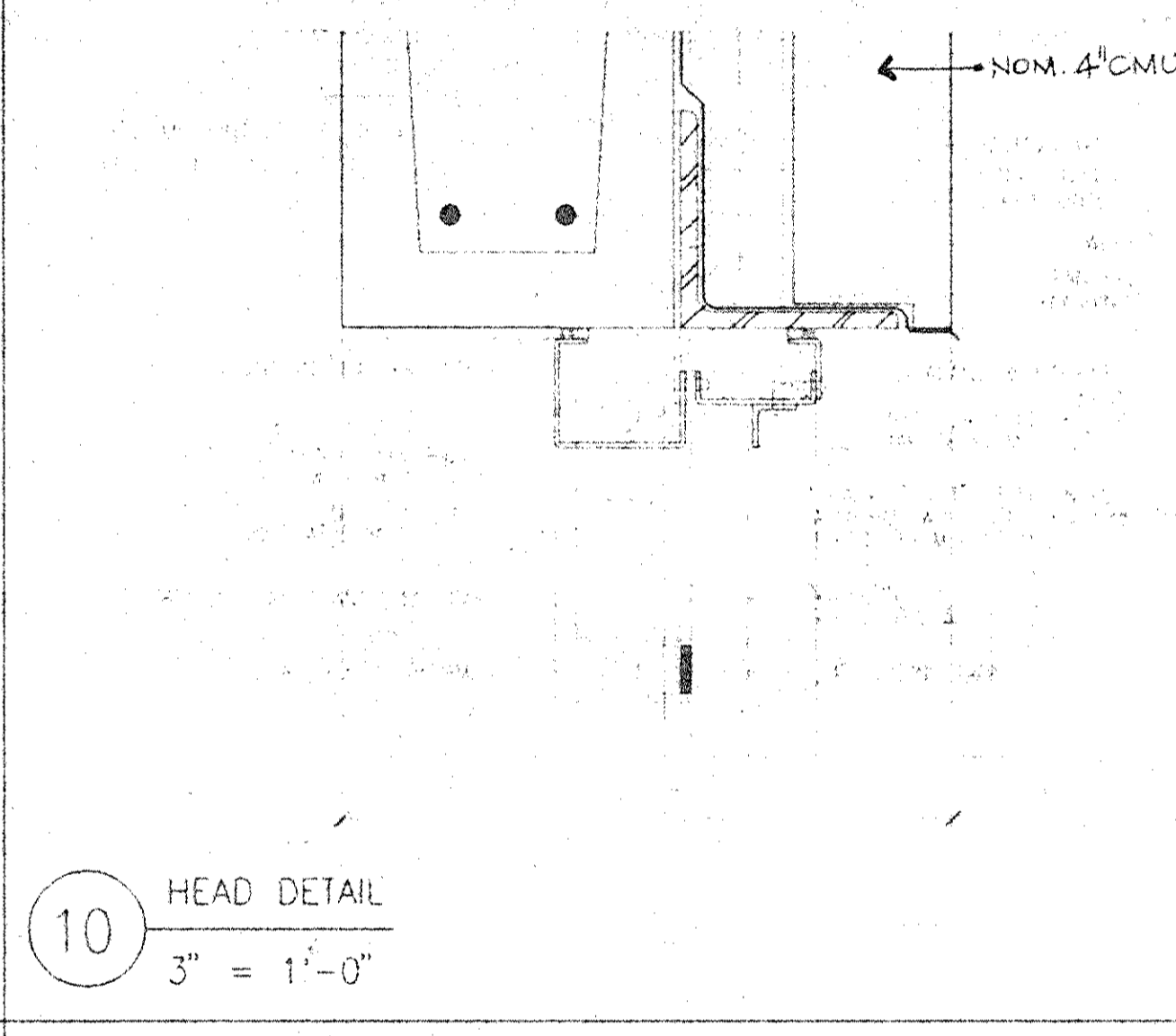
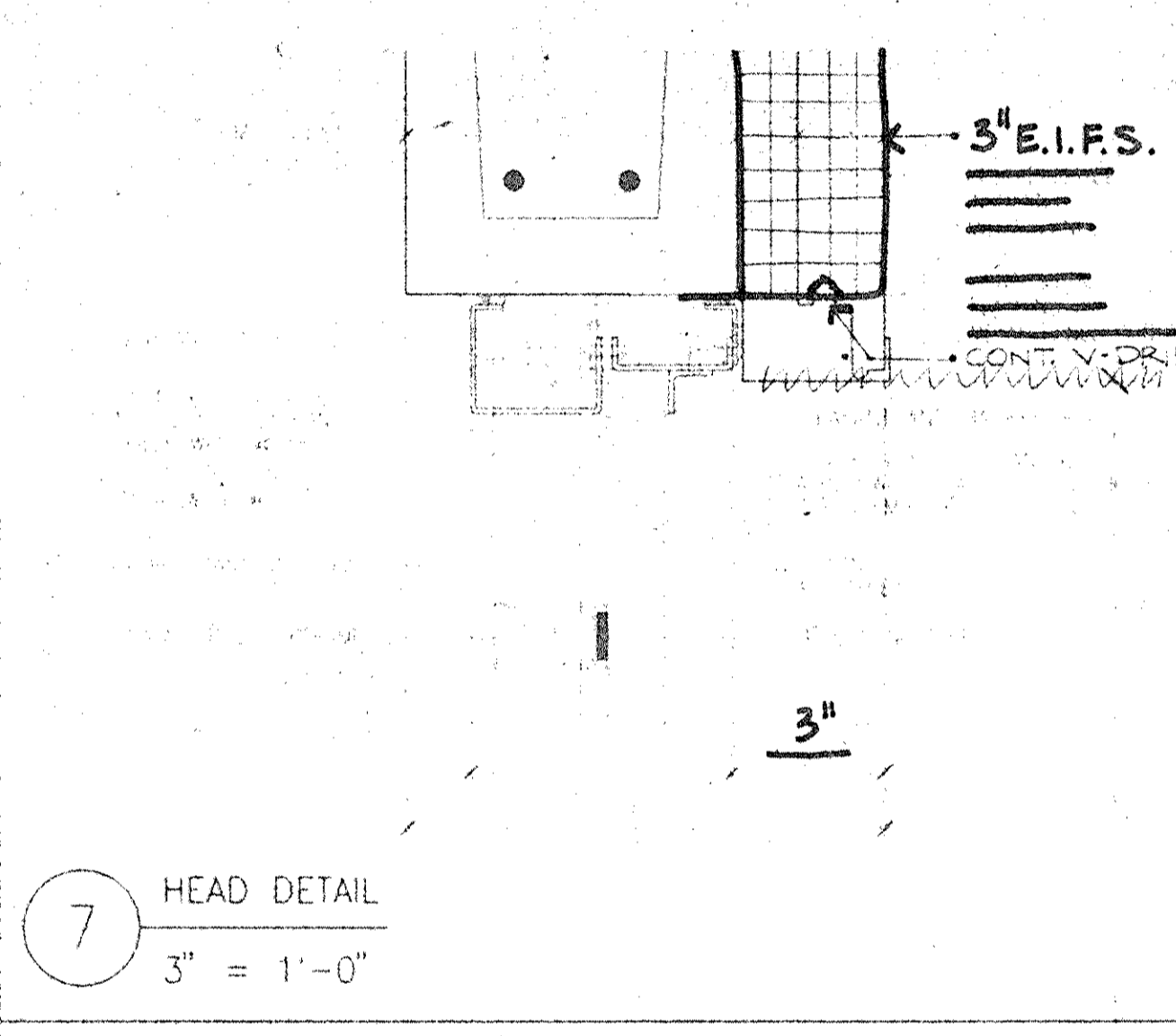
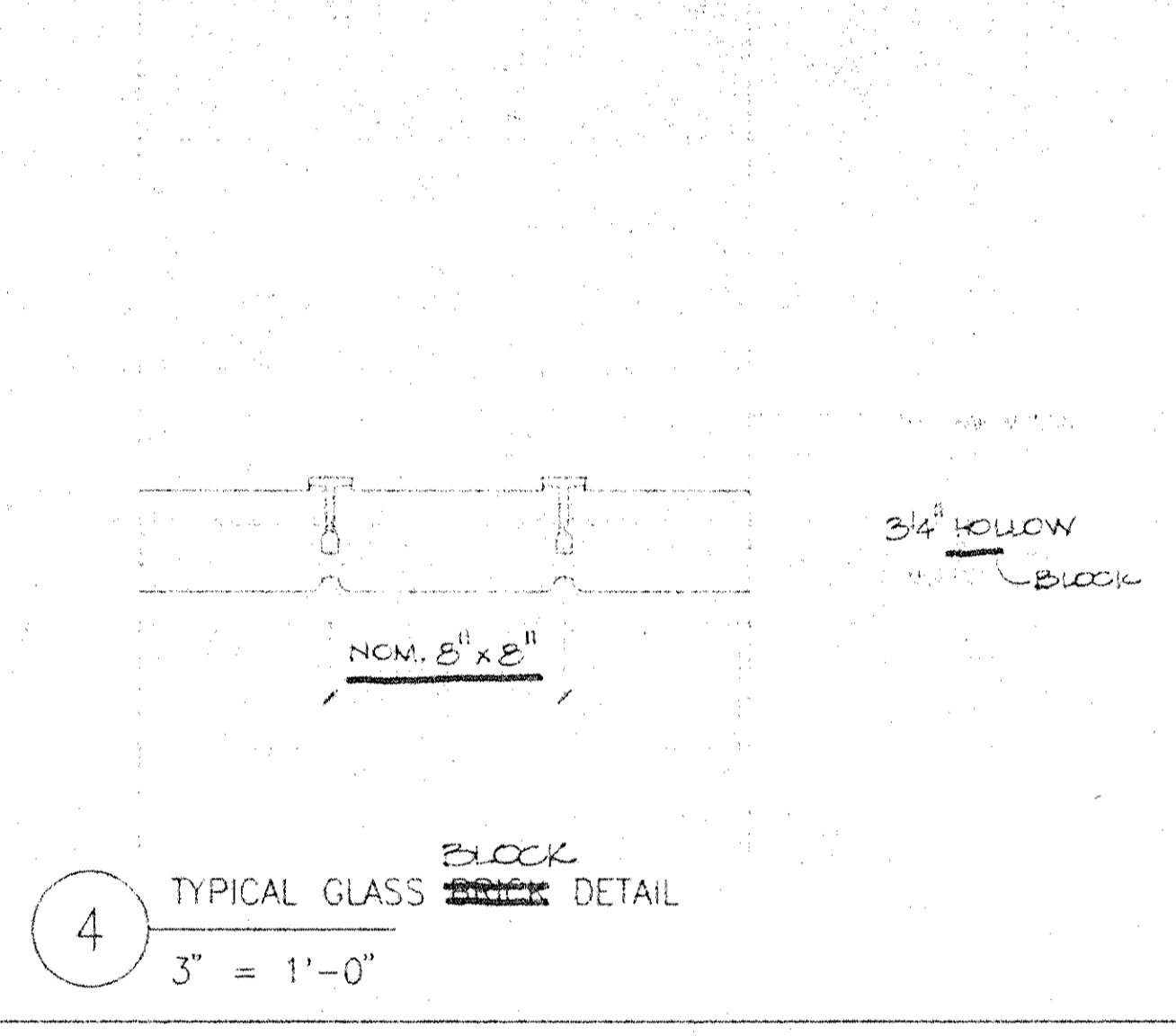
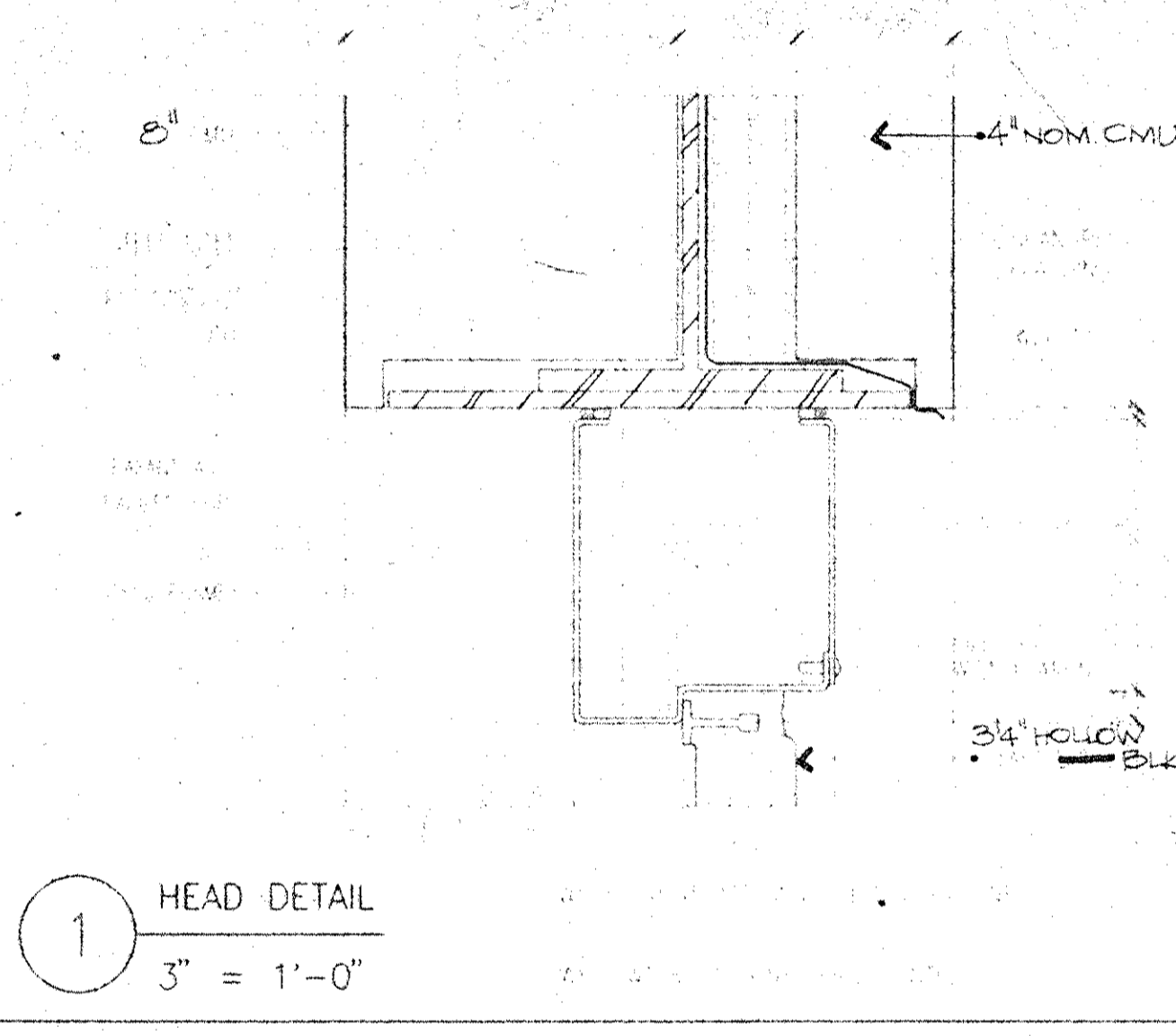
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5	08.25.94	GENERAL REVISIONS
4	04.29.94	BID ISSUE
3	04.15.94	ADDENDUM 4.1
2	03.31.94	CM REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

Drawn By	Date
BT	03.15.94
Checked By	Date
RFQ	03.15.94
Issue Date	03.17.94
Scale	AS NOTED
Key Plan	

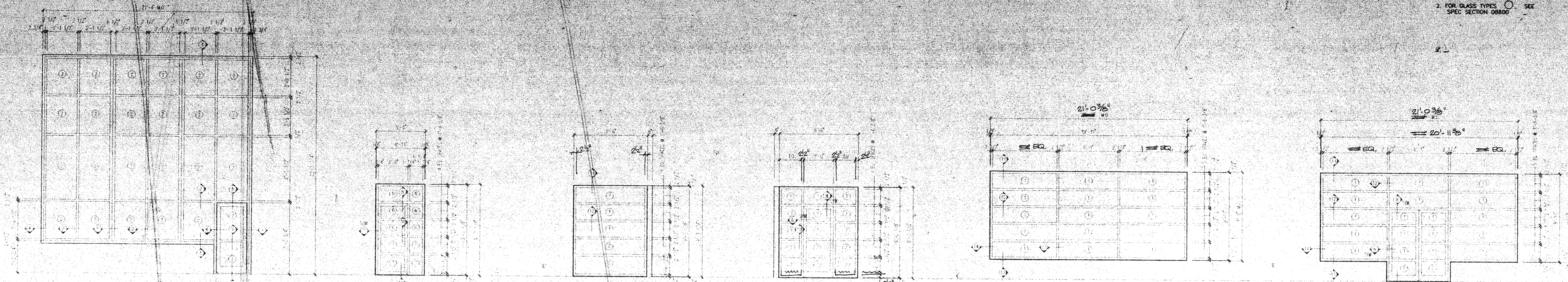


SECURITY WINDOW SCHEDULE & DETAILS

03 Project No. 91-1288
 84 Project # 99301.00
 Drawing No.

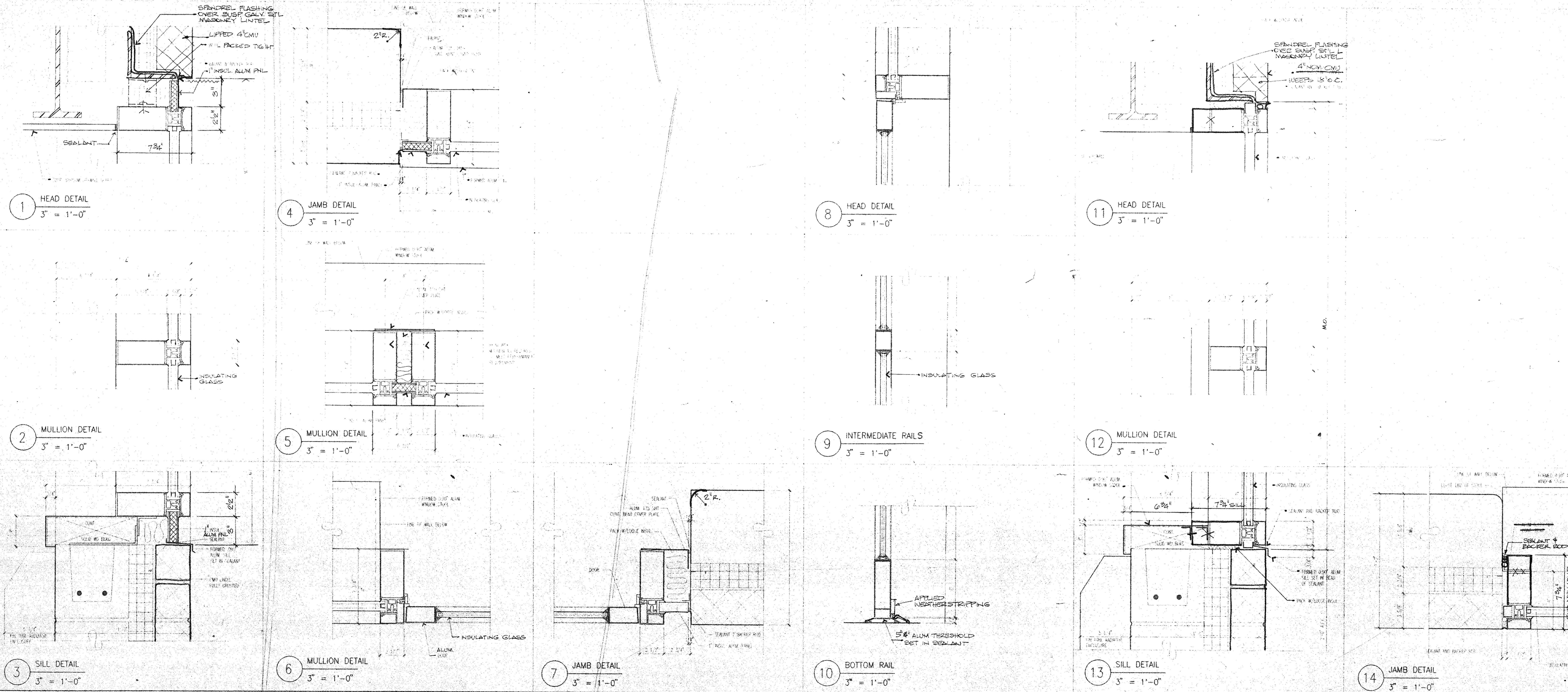


GENERAL NOTES
 1. ALUMINUM FRAMES AND DOOR DETAILS ARE BASED ON STANDARD KAWNEER CO. ALUMINUM EXTRUDED MEMBERS
 2. FOR GLASS TYPES SEE SPEC SECTION 08800



W15 FIXED ALUM. WINDOW WALL (RECREATION YARDS) 2 REQ'D 1 - AS SHOWN, 1 - OPPOSITE HAND
 W11 FIXED ALUM WINDOW WALL VESTIBULE
 W10 FIXED ALUM WINDOW WALL VESTIBULE
 W9 FIXED ALUM WINDOW WALL VESTIBULE
 W8 FIXED ALUMINUM WINDOW WALL (VISITOR'S LOBBY)
 W7 FIXED ALUM WINDOW WALL (STAFF ENTRANCE)

ALUMINUM WINDOW WALL SCHEDULE

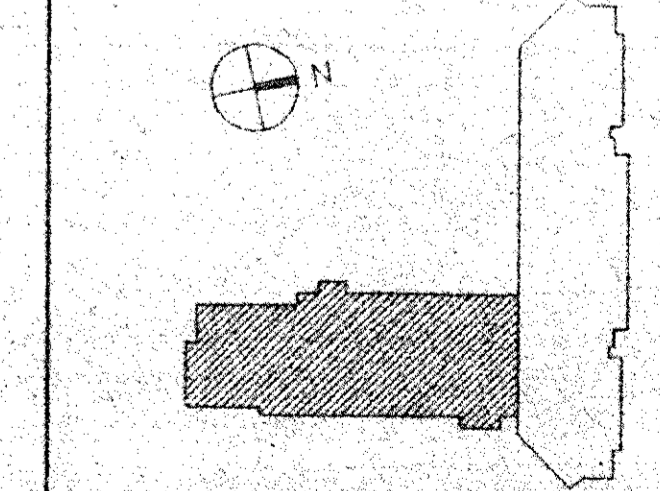


Architects Planners & Interior Designers
 Cruzen Samton
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 Fax 212/477-1237
 Tel 212/477-0900
 Associated Architects
 Rice Associates
 130 West 30th Street
 New York, NY 10001
 Fax 212/268-5897
 Tel 212/563-9154
 Structural Engineers
 DeSimone, Chaplin & Dobryn P.C.
 20 WaterSide Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211
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 1430 Broadway
 New York, N.Y. 10018
 Fax 212/730-6425
 Tel 212/382-1800
 Civil Engineers
 Faggt & Martin
 54-58 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0905
 Tel 914/471-7898



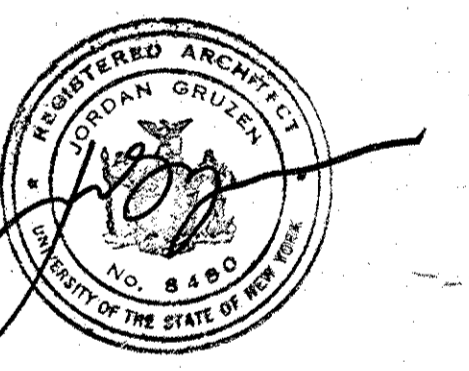
No.	Date	Revision
4	03.25.94	GENERAL REVISIONS
3	04.23.94	2 ND ISSUE
2	03.31.94	CM REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

Drawn By	Date
BT	03.15.94
Checked By	Date
RFK	03.17.94
Issue Date	03.17.94
Scale	
AS NOTED	
Key Plan	



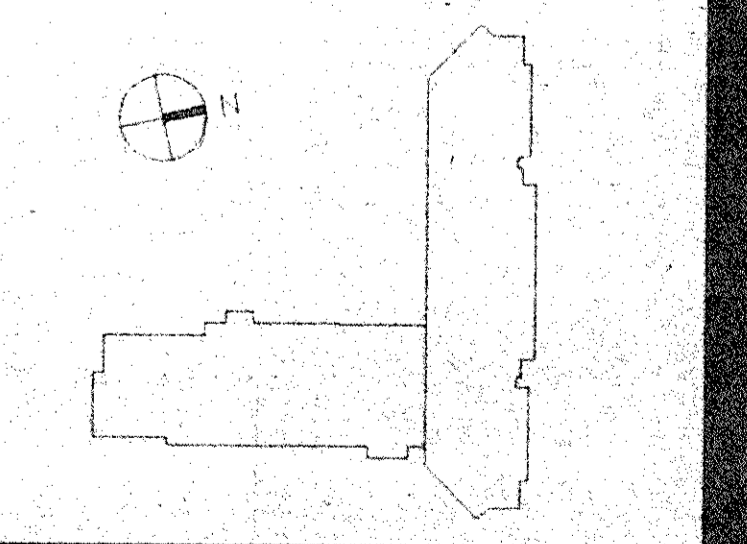
ALUM. WINDOW WALL SCHEDULE & DETAILS

CS Project No. 91-1286
 All Project \$ 99301.00
 Drawing No.

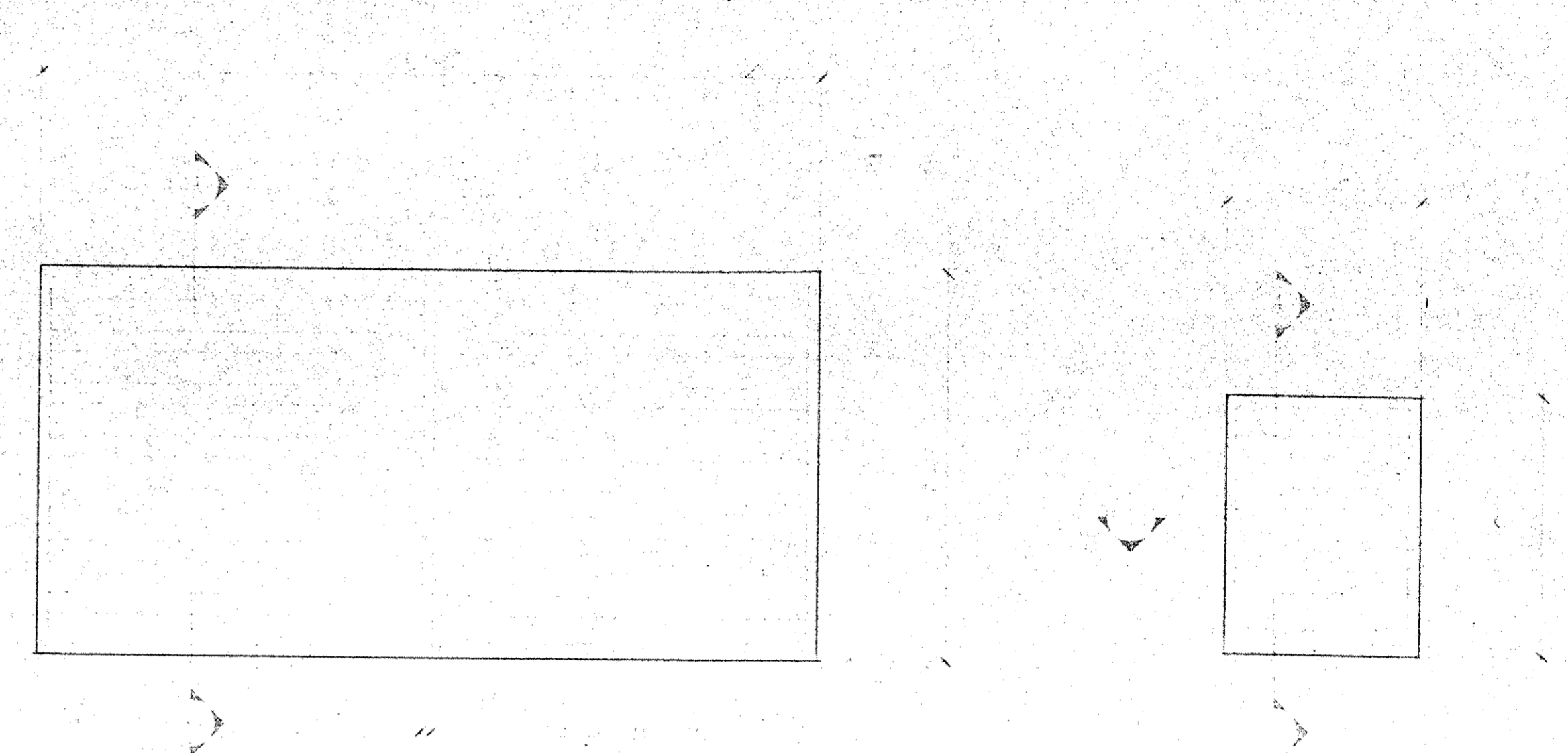
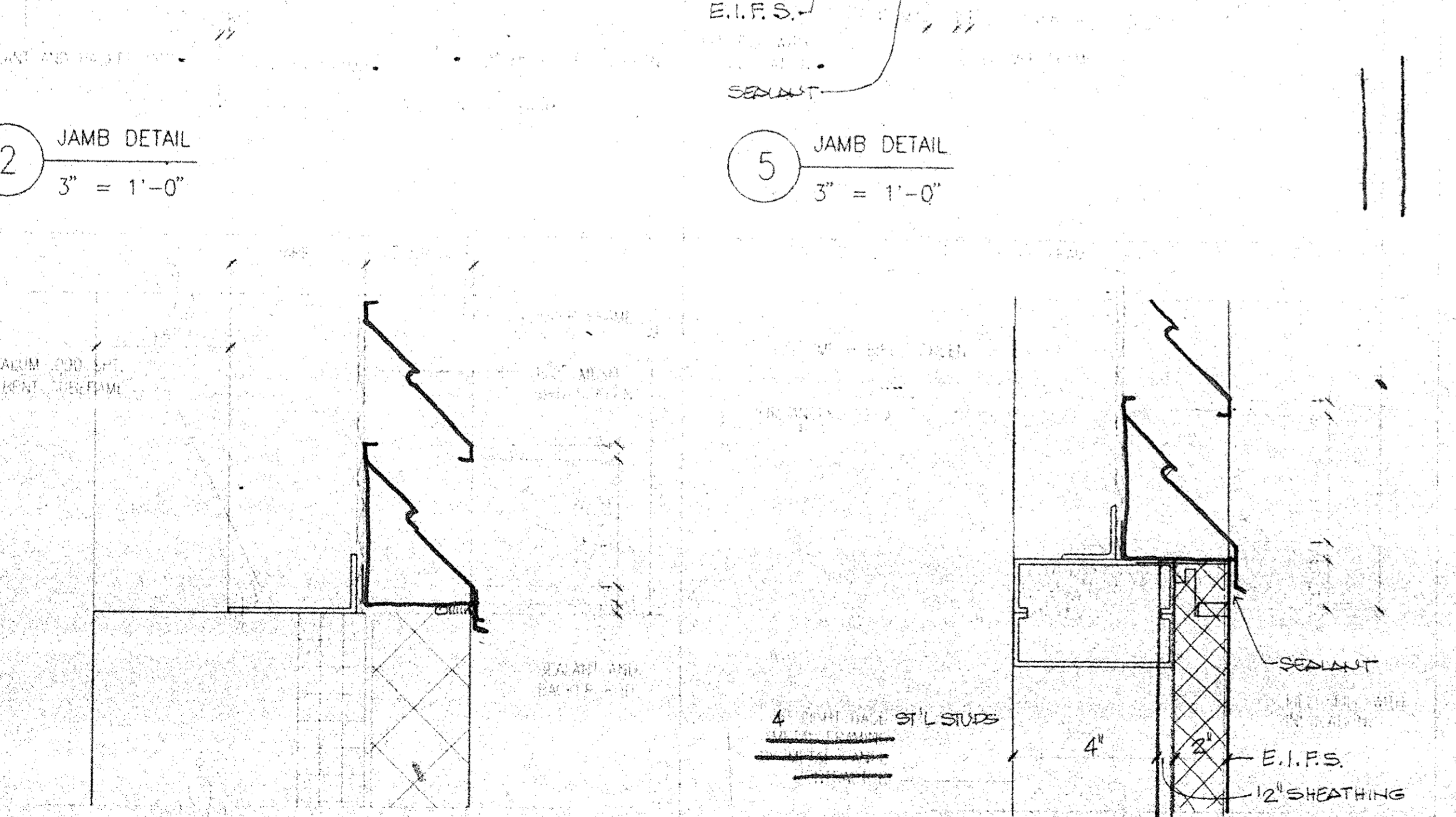
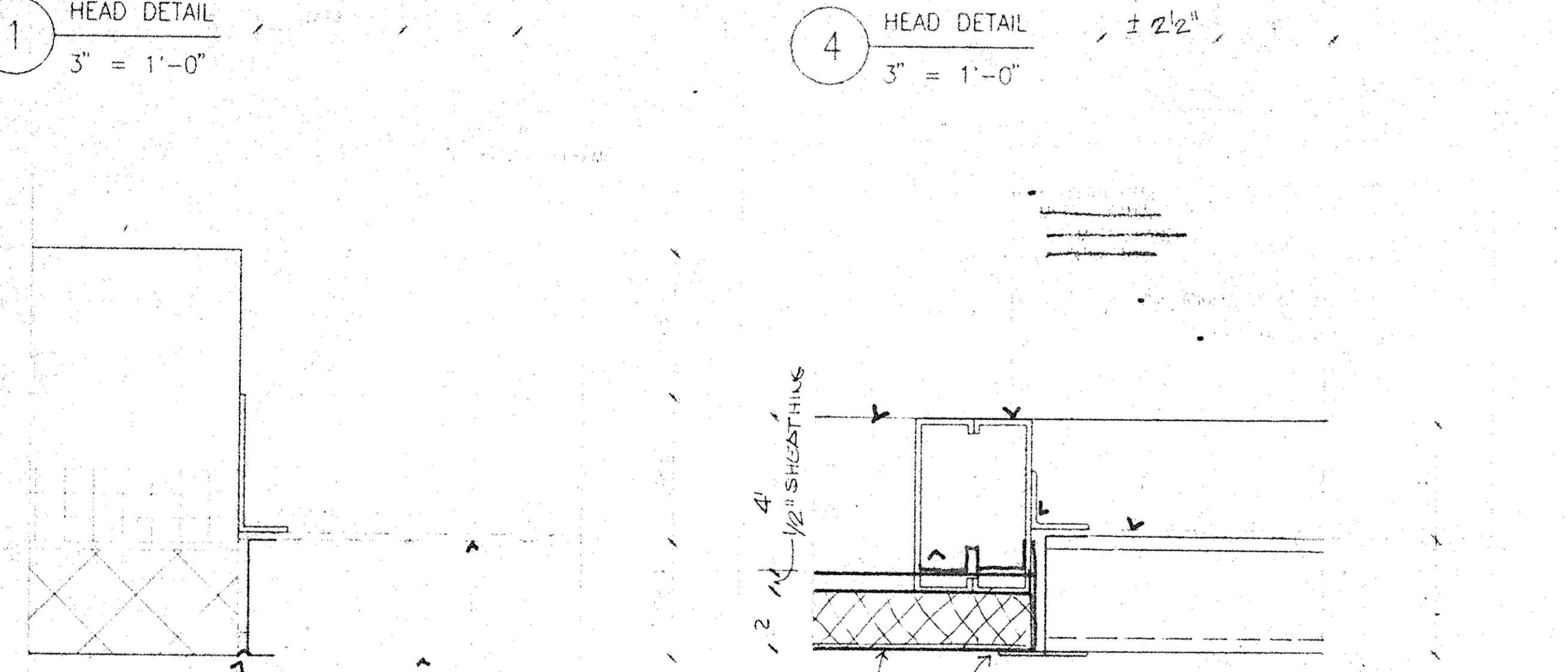
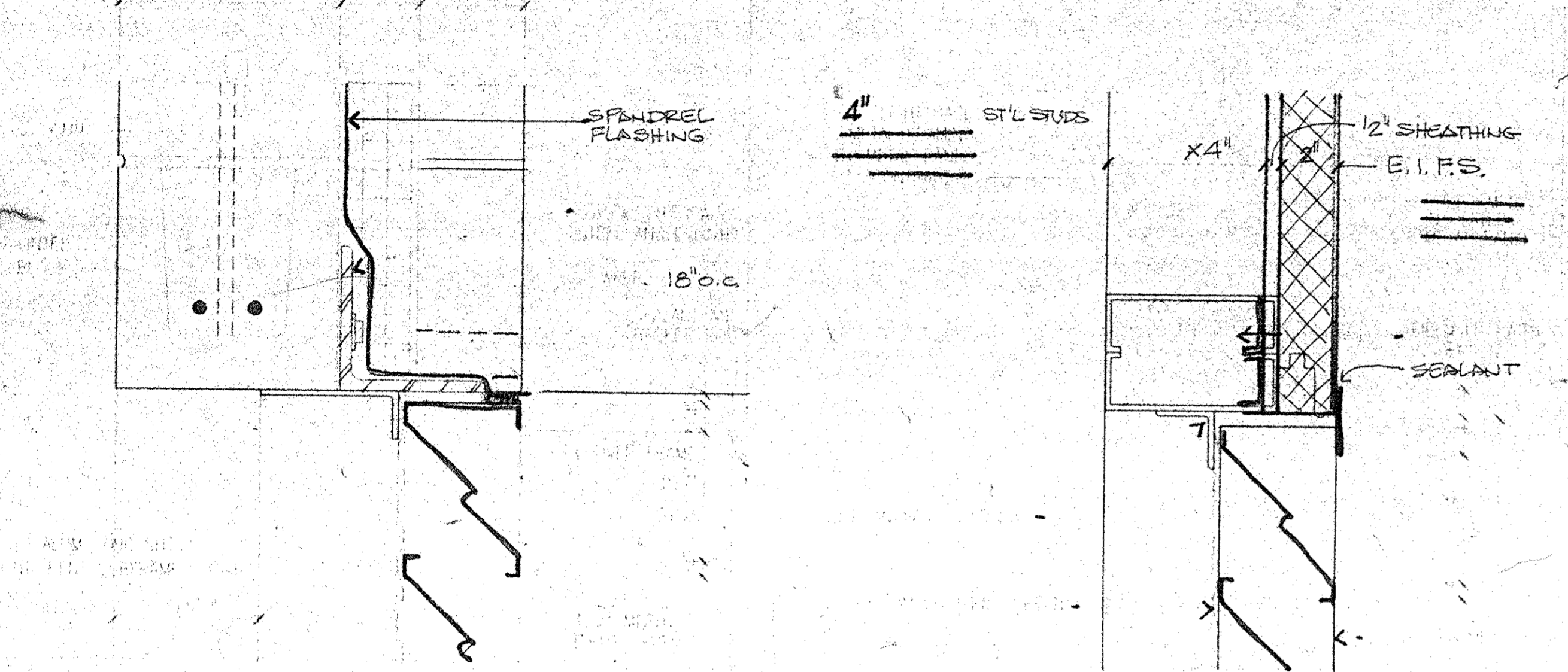
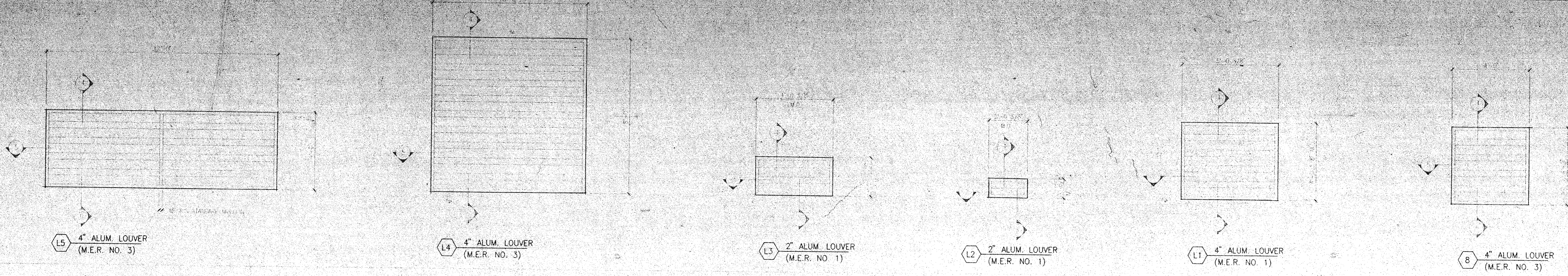


No.	Date	Revision
4	02.05.94	GENERAL REVISIONS
3	04.29.94	BID ISSUE
2	03.31.94	CM REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

No.	Date	Revision
Drawn By		Date
ST		03.15.94
Checked By		Date
RFG		03.17.94
Issue Date		03.17.94
Scale		
AS NOTED		
Key Plan		



Drawing Title
EXTERIOR LOUVER SCHEDULE & DETAILS



L1 4\"/>

EXTERIOR LOUVER SCHEDULE NOT TO SCALE

LOUVER DETAILS

DCLVLR.DWG

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
 Fax 914/431-1869
 Tel 914/431-2121

Construction Manager
 R.C.K./C.R.S.S.
 123 Rombout Avenue
 P.O. Box 790
 Beacon, N.Y. 12508
 Fax 914/831-6071
 Tel 914/831-0943

Architects Planners & Interior Designers
 Gruzen Samton
 304 Park Avenue South
 New York, NY 10010
 Fax 212/477-1257
 Tel 212/477-0900

Associated Architects
 Riccio Associates
 130 West 30th Street
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 Tel 212/563-9154

Structural Engineers
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 Poughkeepsie, New York 12601
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No.	Date	Revision
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3	04.29.94	BID ISSUE
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	COST ESTIMATE ISSUE

Drawn By: RF Date: 12.17.93
 Checked By: RFG Date: 12.20.93
 Issue Date: 31 MARCH 1994
 Scale: AS NOTED
 Key Plan:

Drawing Title
 VISITOR ENTRANCE
 VESTIBULE PLAN,
 SECTIONS &
 DETAILS

GS Project No. 31-1286
 RA Project # 8801.00
 Drawing No.

A154

1'-5 5/8"

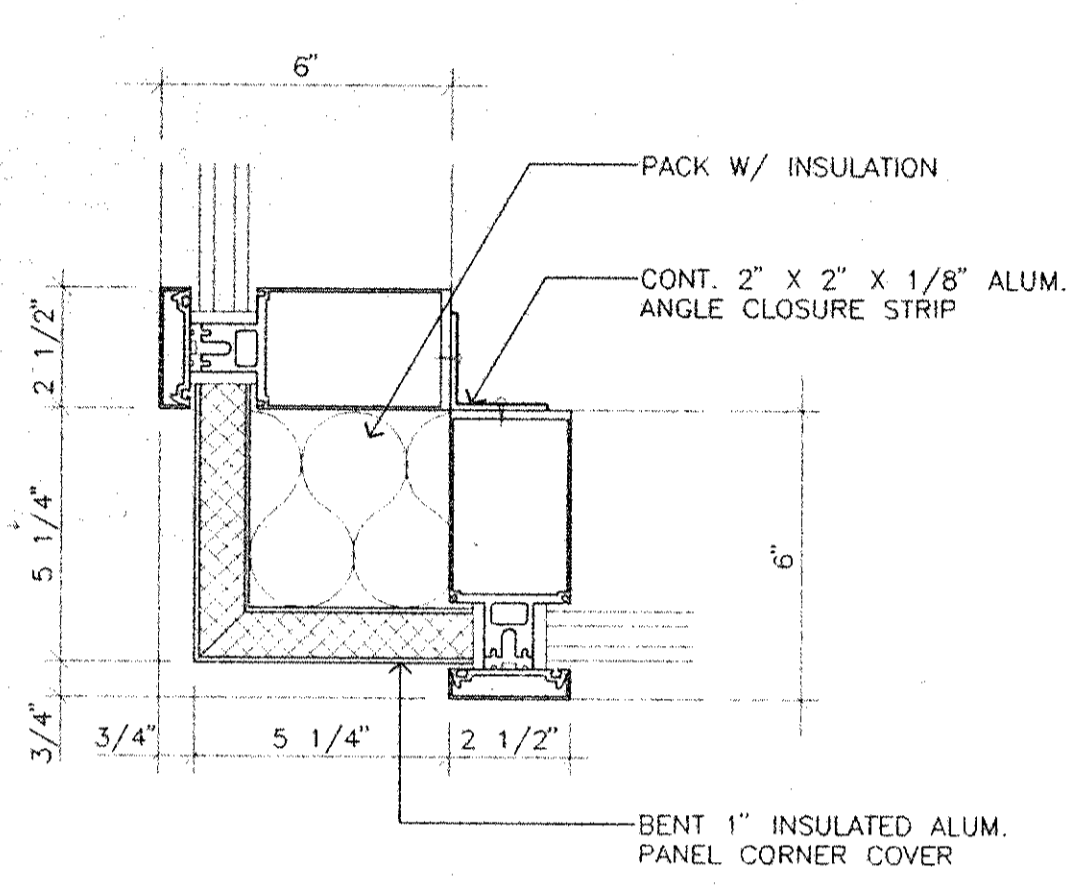
GRUZEN SAMTON
 ARCHITECTS & PLANNERS

RICCI ASSOCIATES
 ASSOCIATE ARCHITECTS

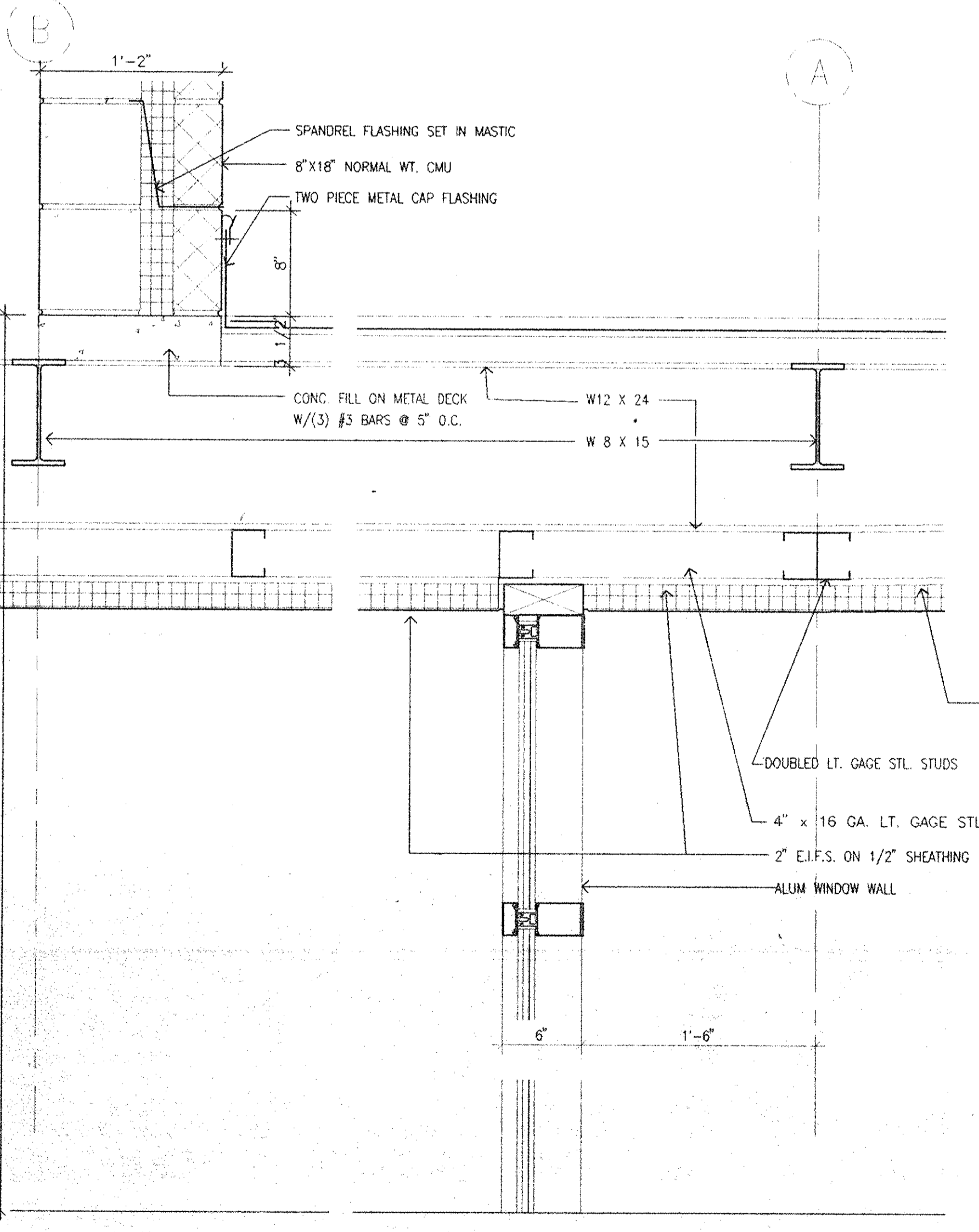
1995

1'-5 5/8"

DATE STONE ELEVATION

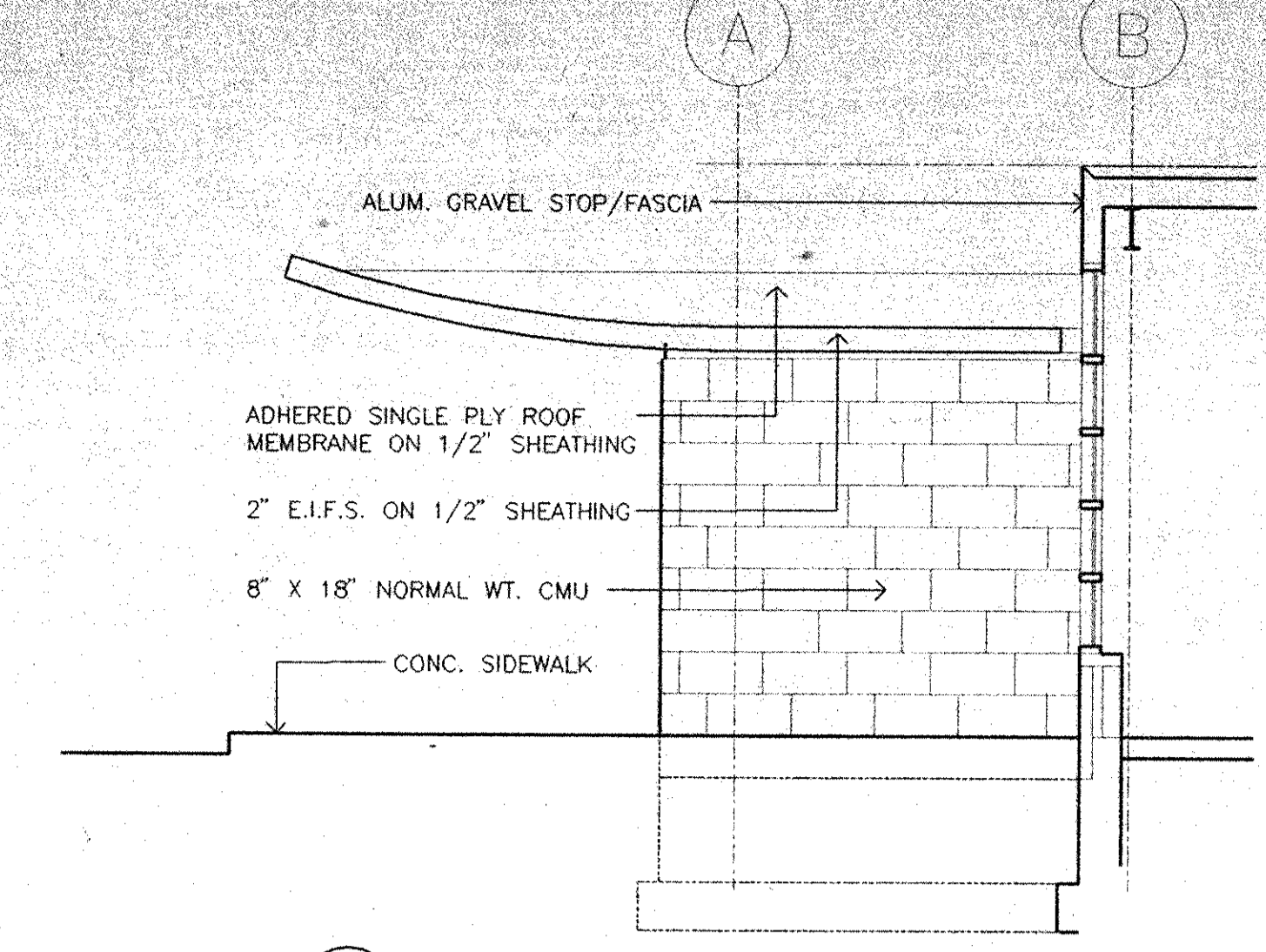


10 PLAN DETAIL
 3" = 1'-0"

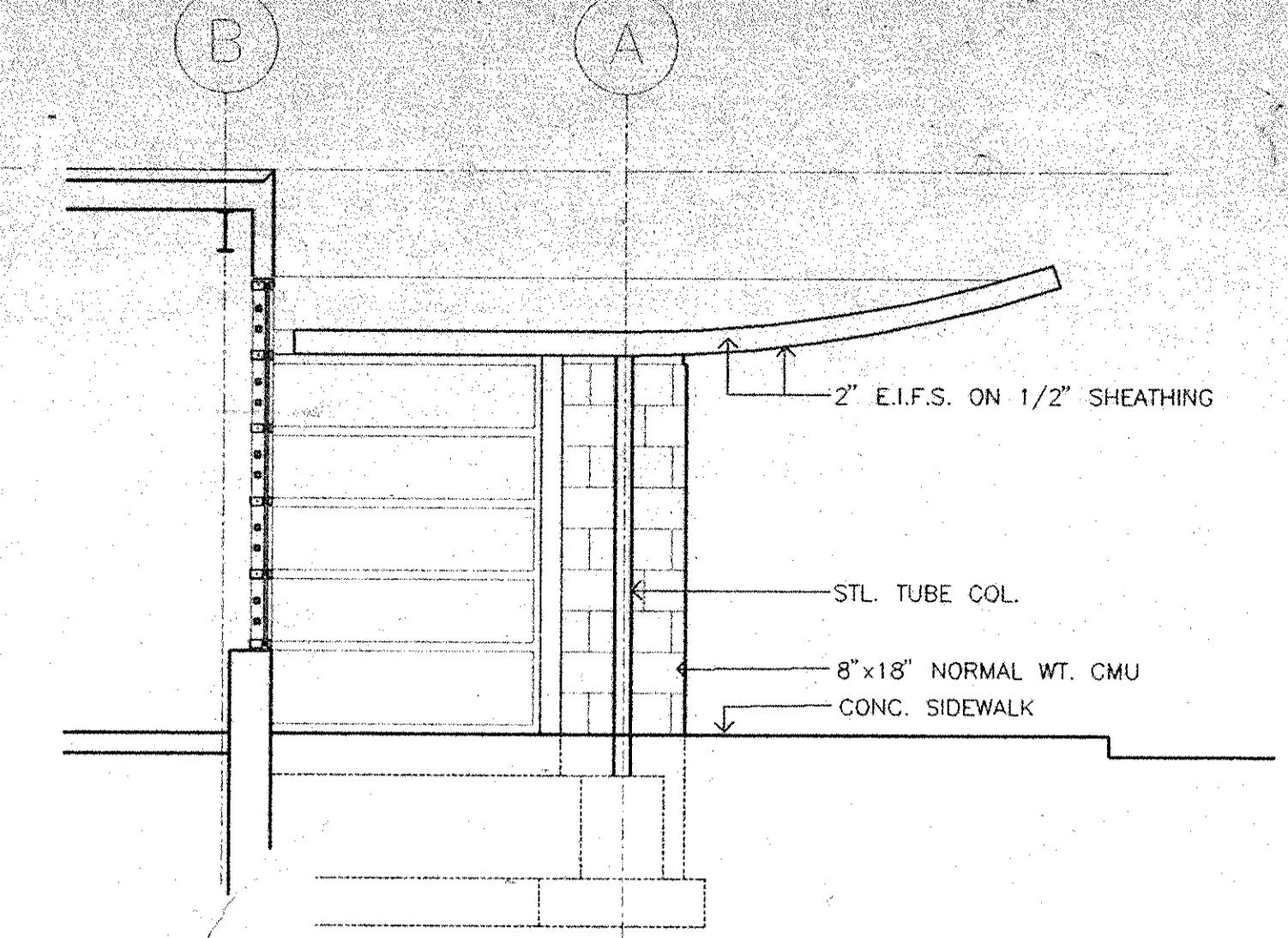


9 SECTION DETAIL
 1 1/2" = 1'-0"

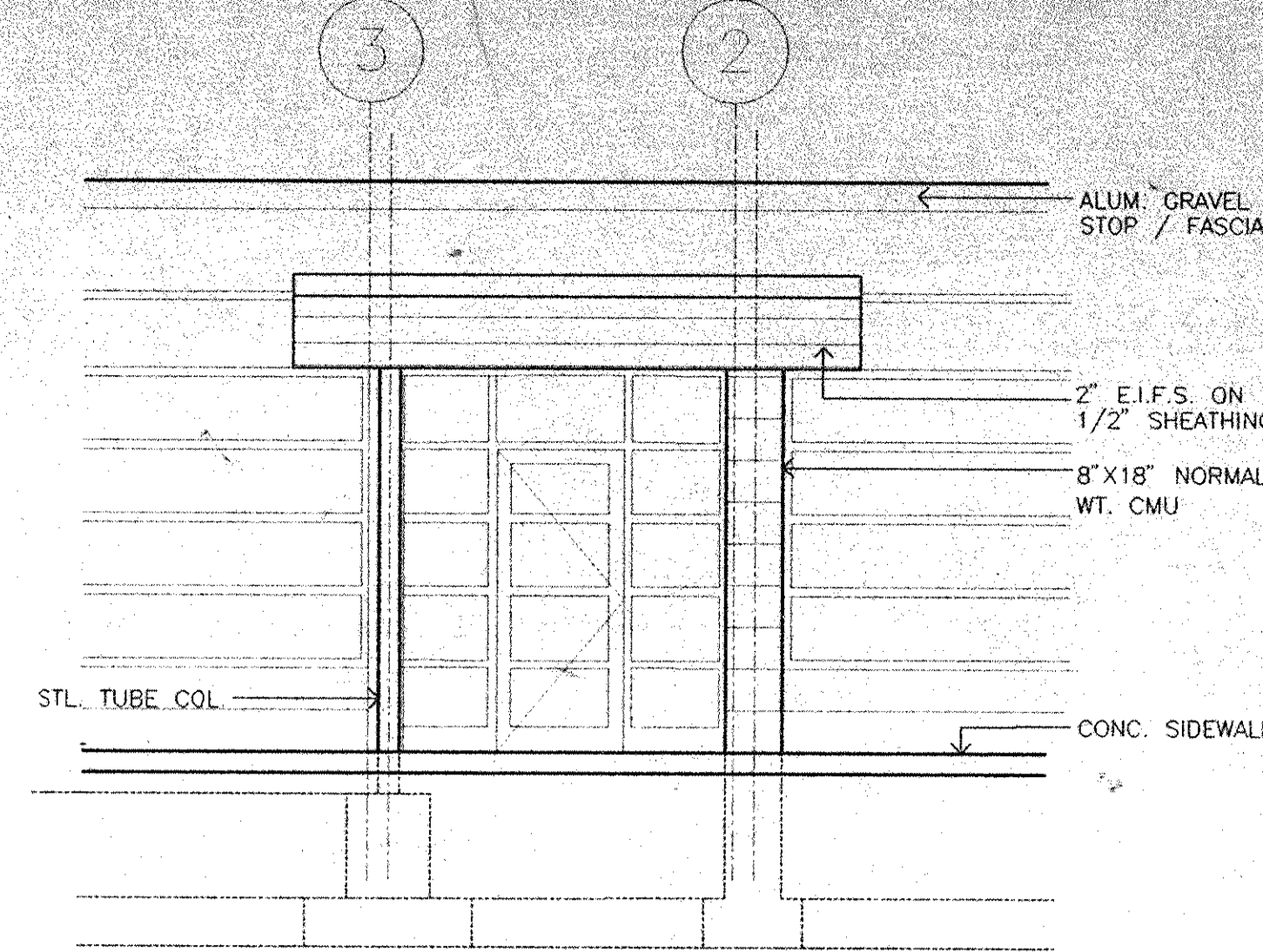
NOTE: 3" TO 3 1/2" CUT LIMESTONE W/
 DIAMOND 8 FINISH AND 1/4" DEEP
 CARVED NUMBERS & LETTERS.
 STONE TO COLOR MATCH NORMAL WEIGHT
 CMU AS APPROVED BY ARCHITECT



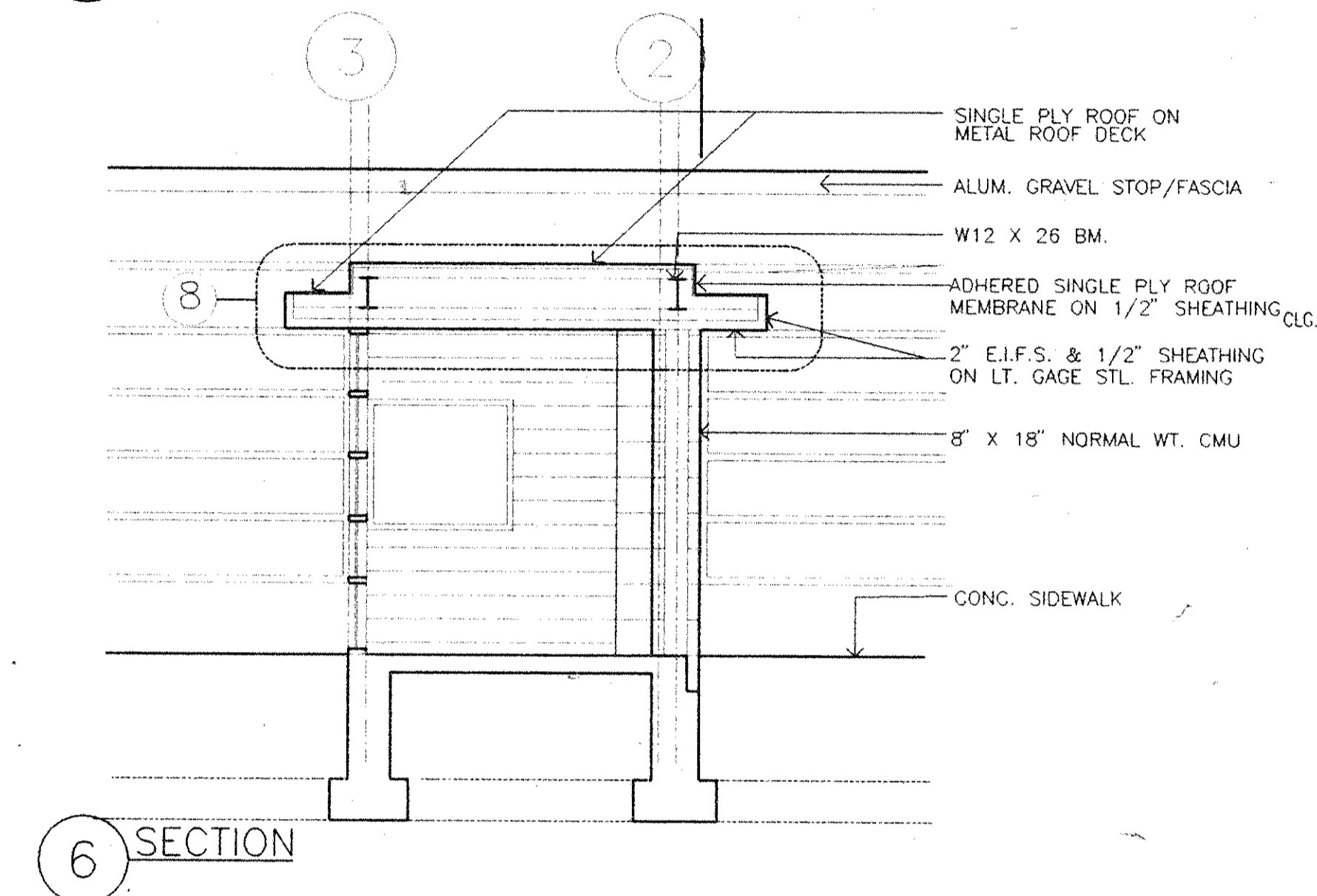
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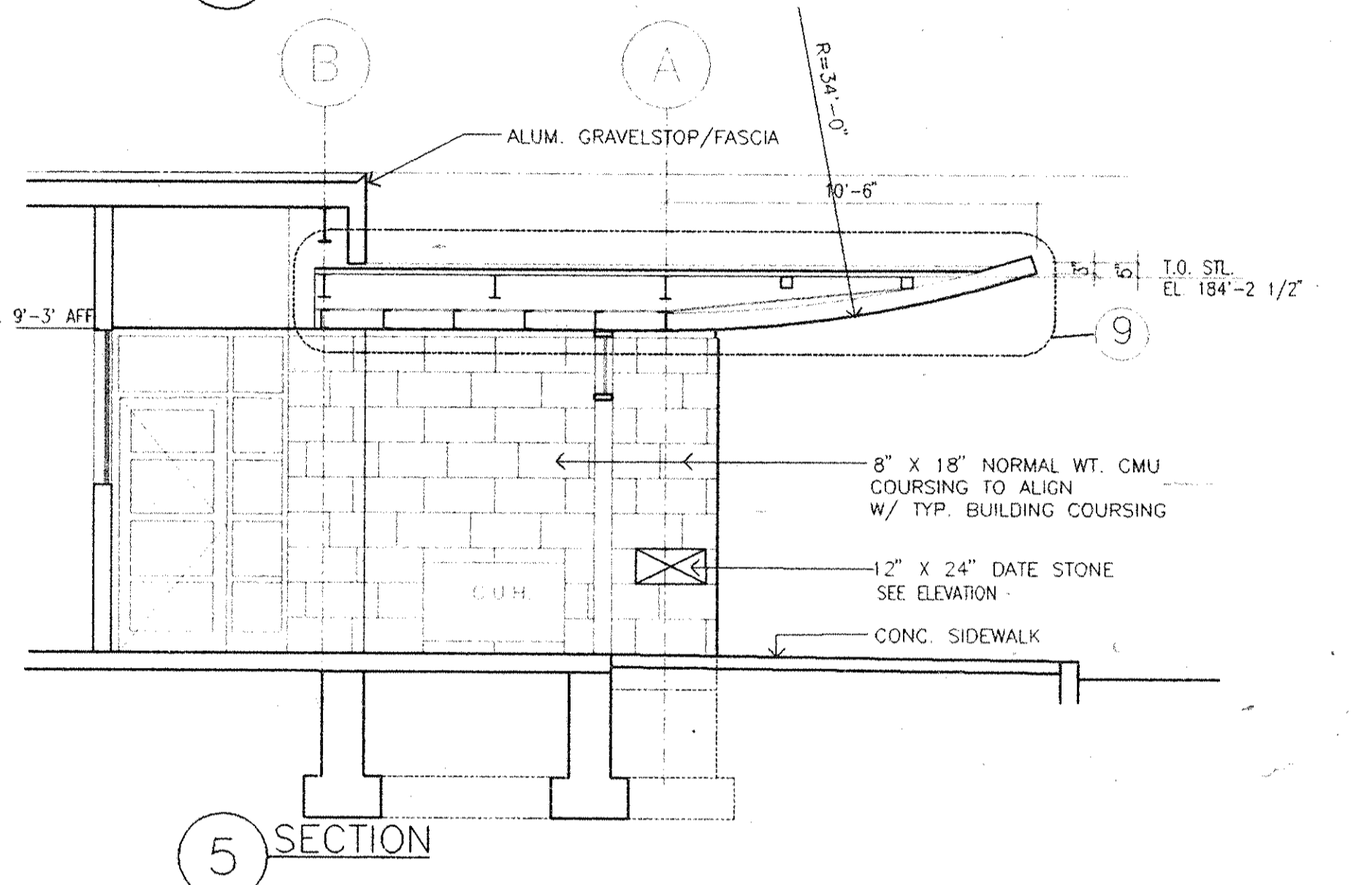
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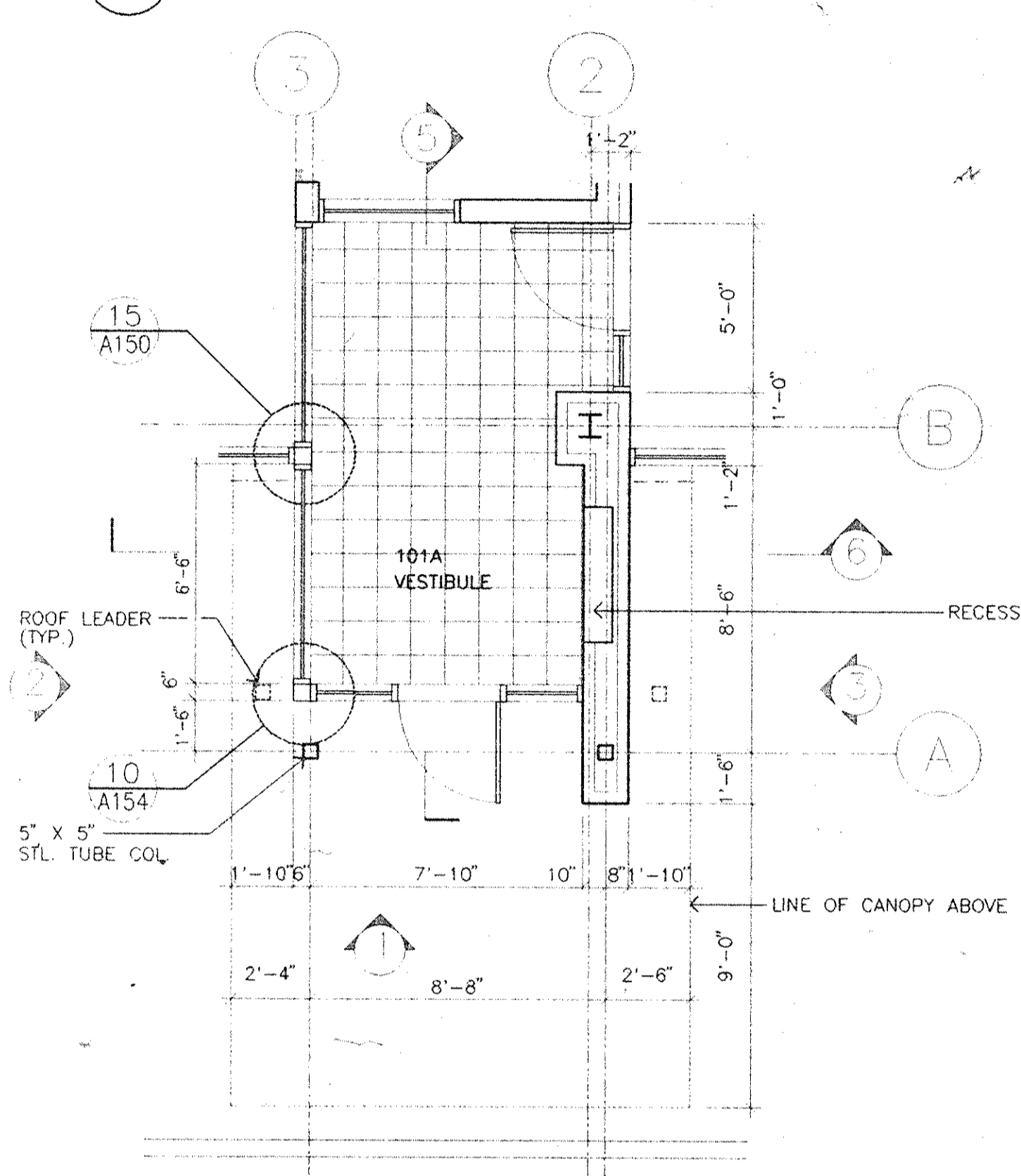
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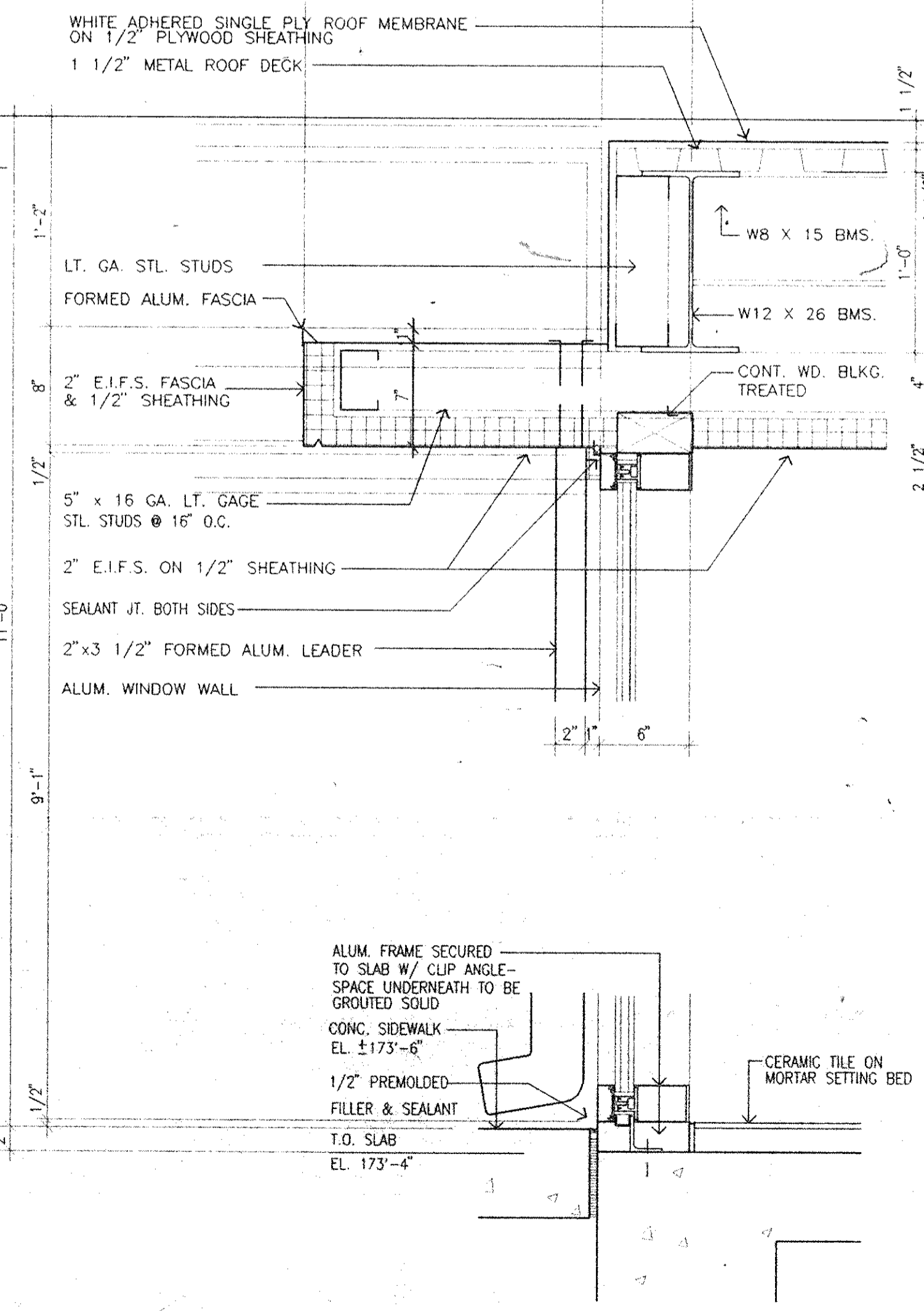
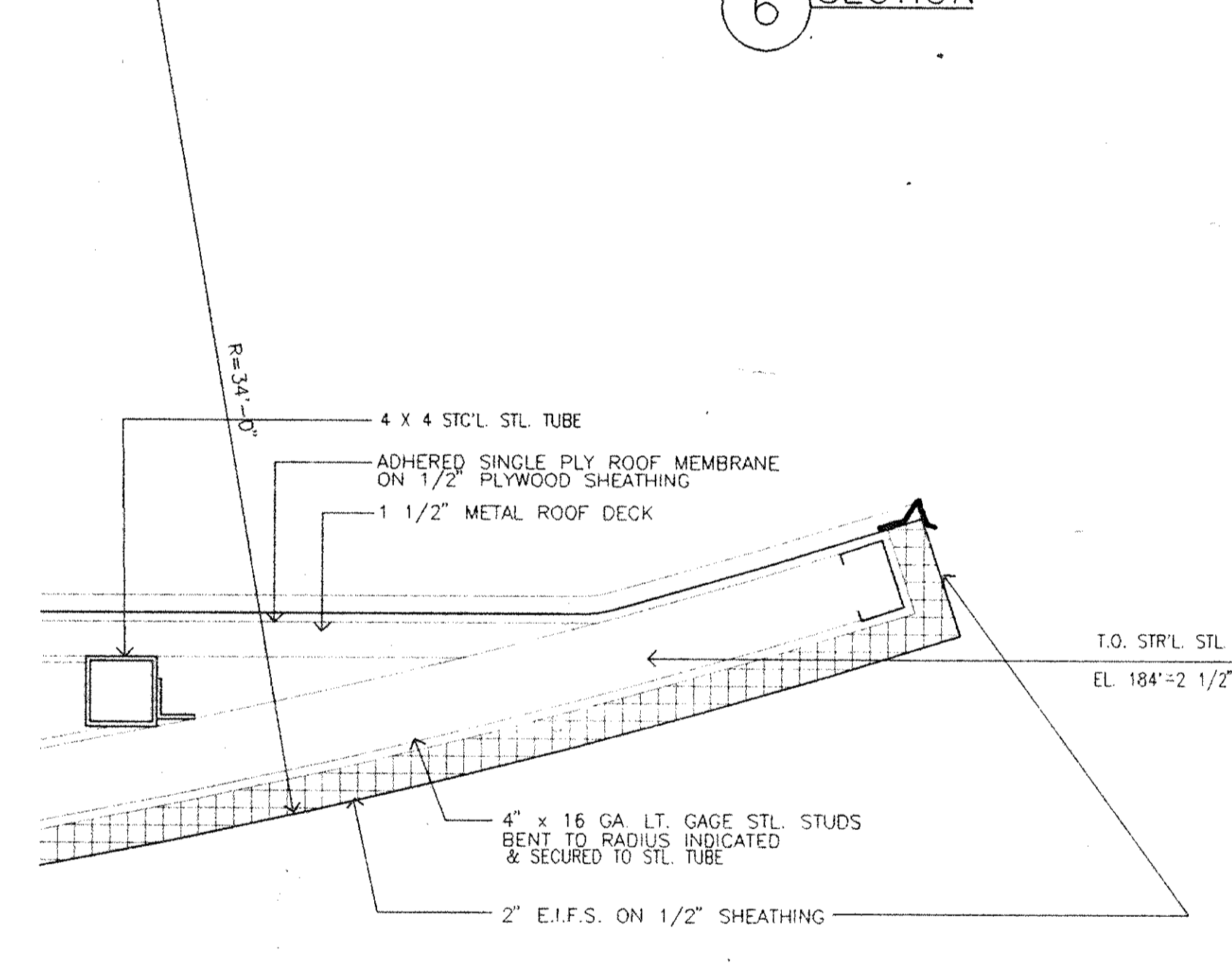
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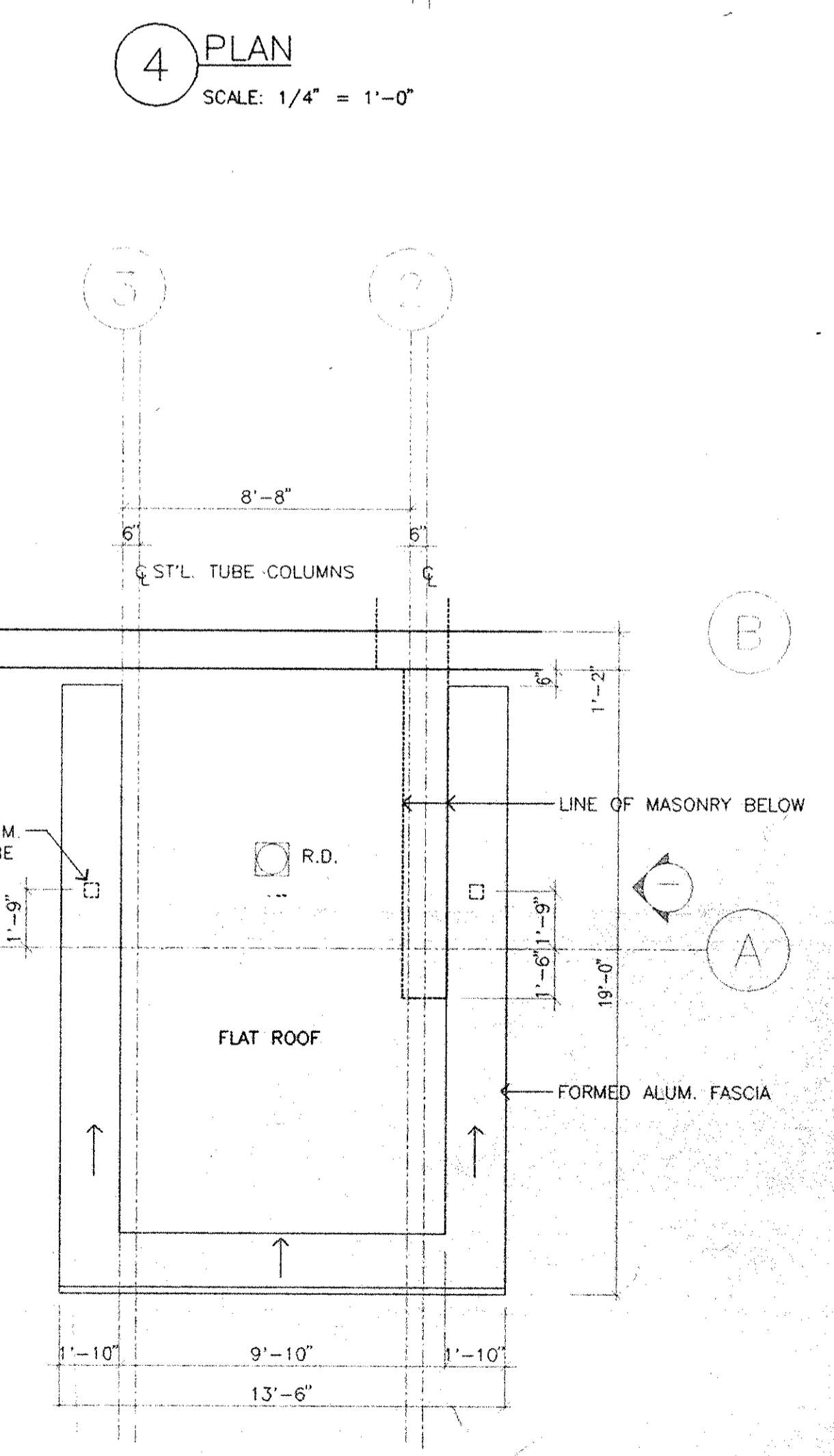
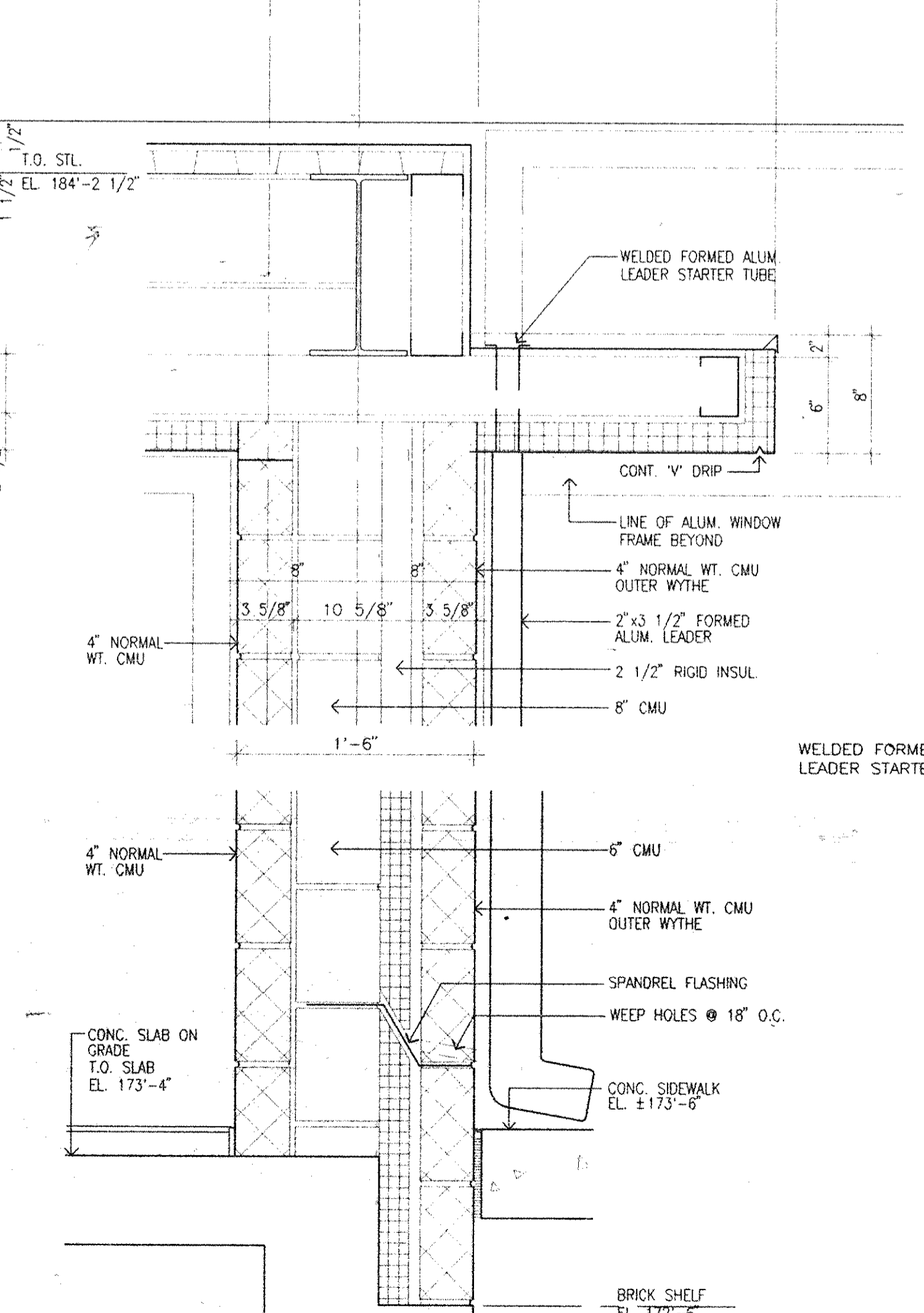
5 SECTION



4 PLAN
 SCALE: 1/4" = 1'-0"

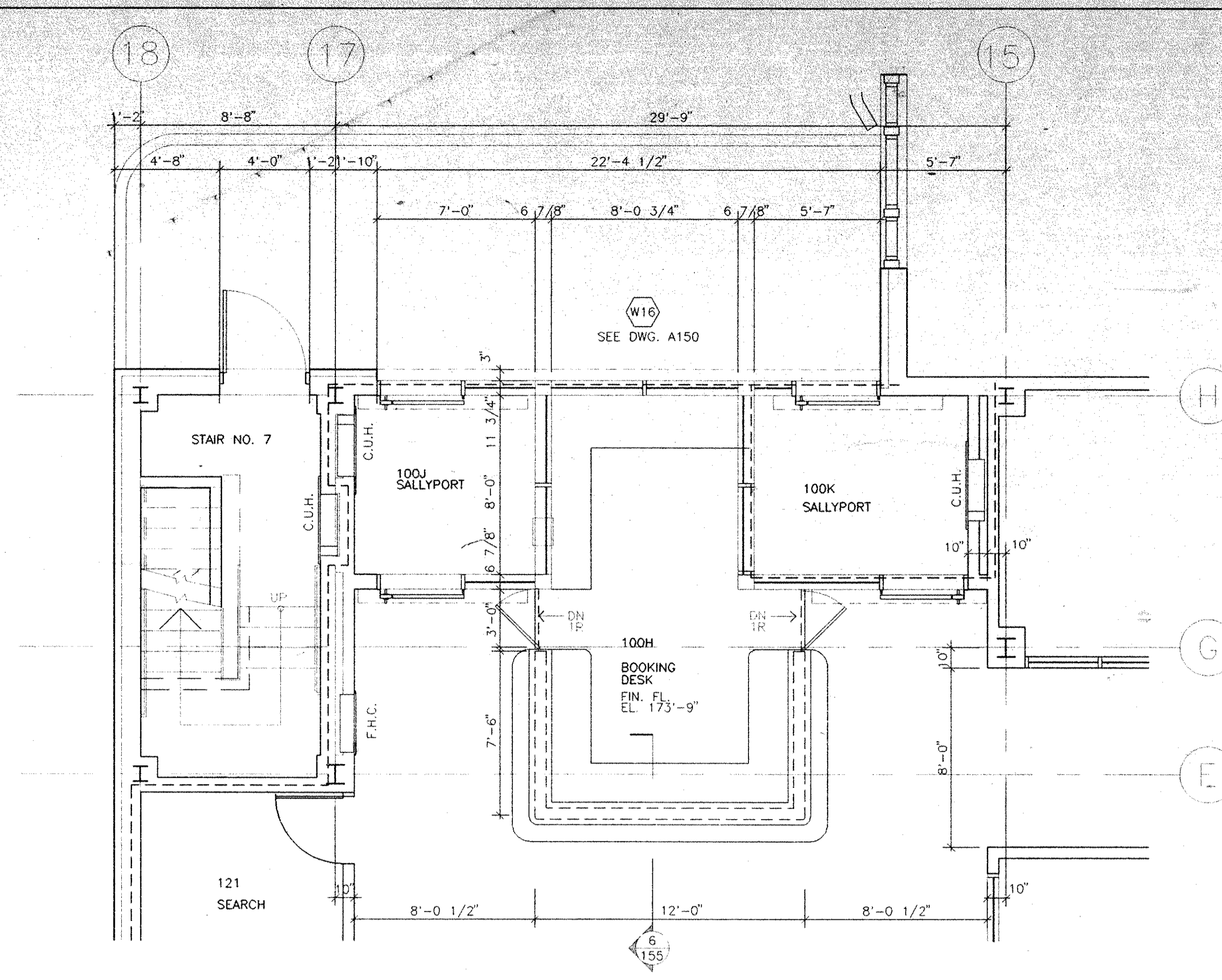


8 SECTION DETAIL
 1 1/2" = 1'-0"

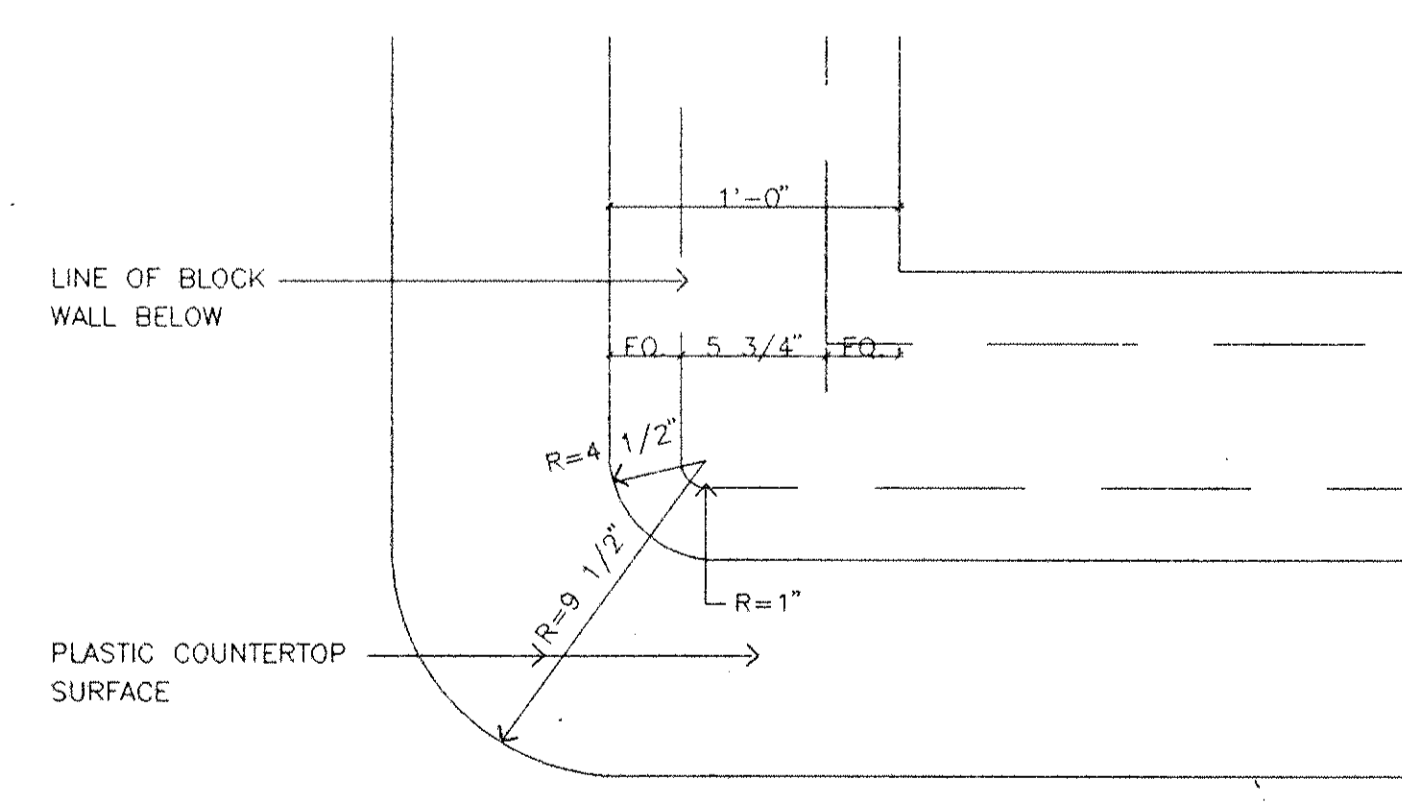


7 ROOF PLAN
 SCALE: 1/4" = 1'-0"

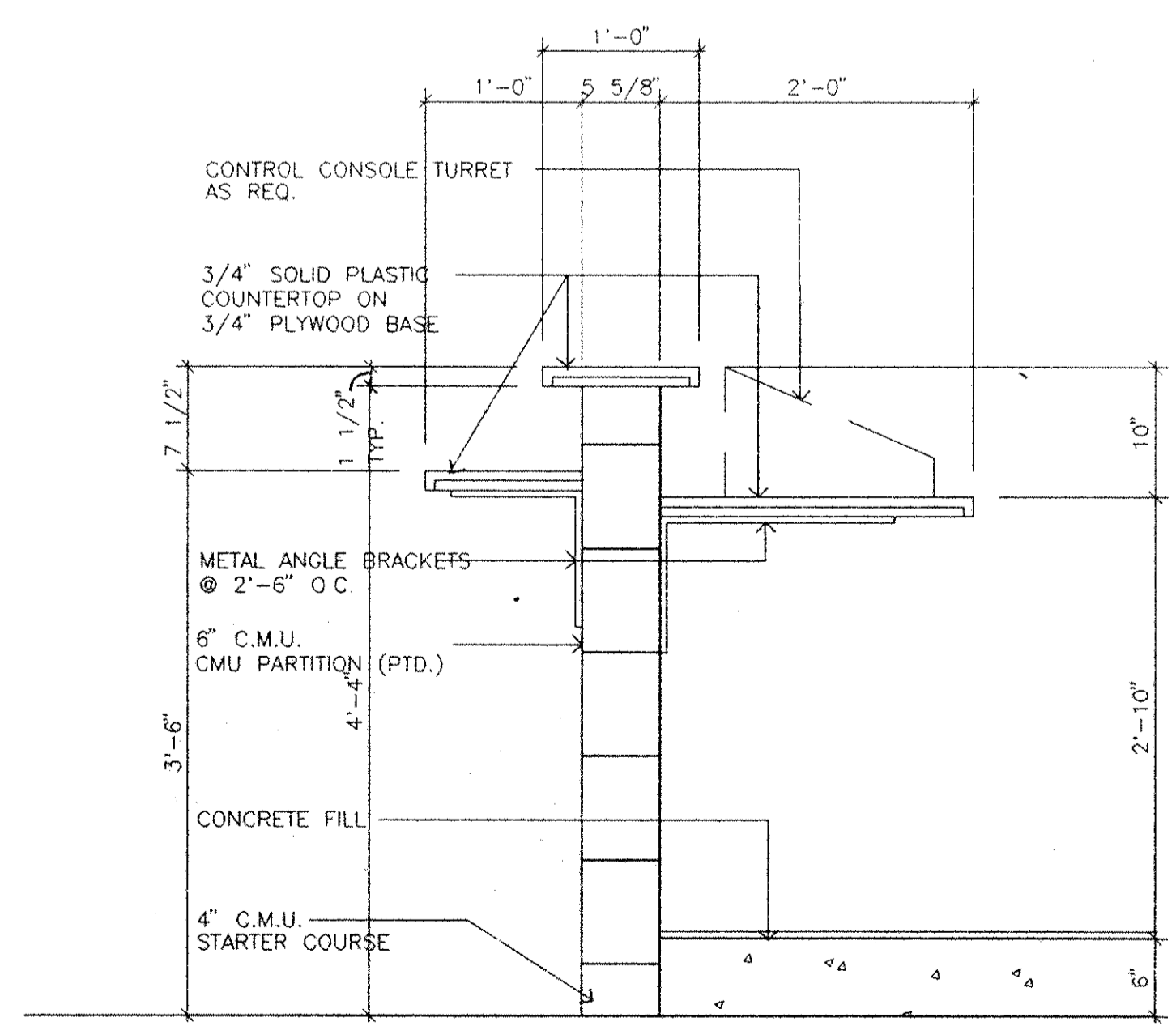
DCA154.DWG



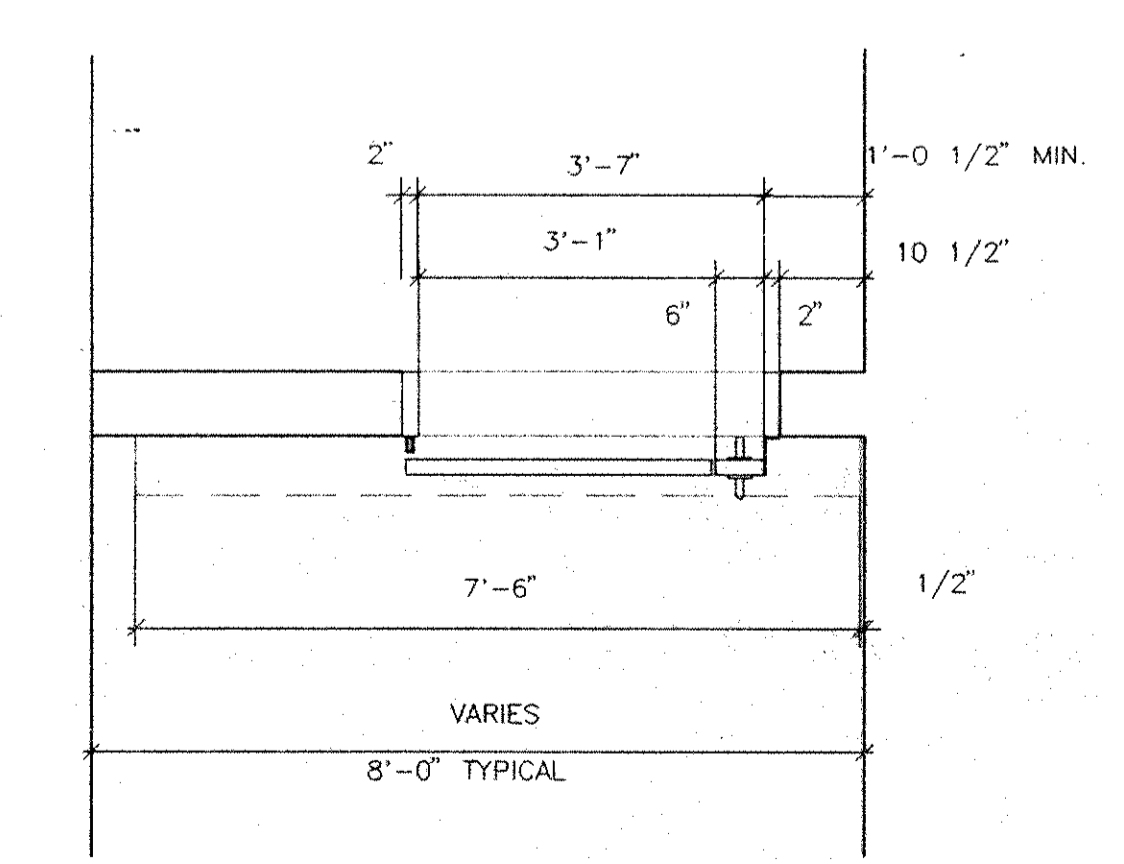
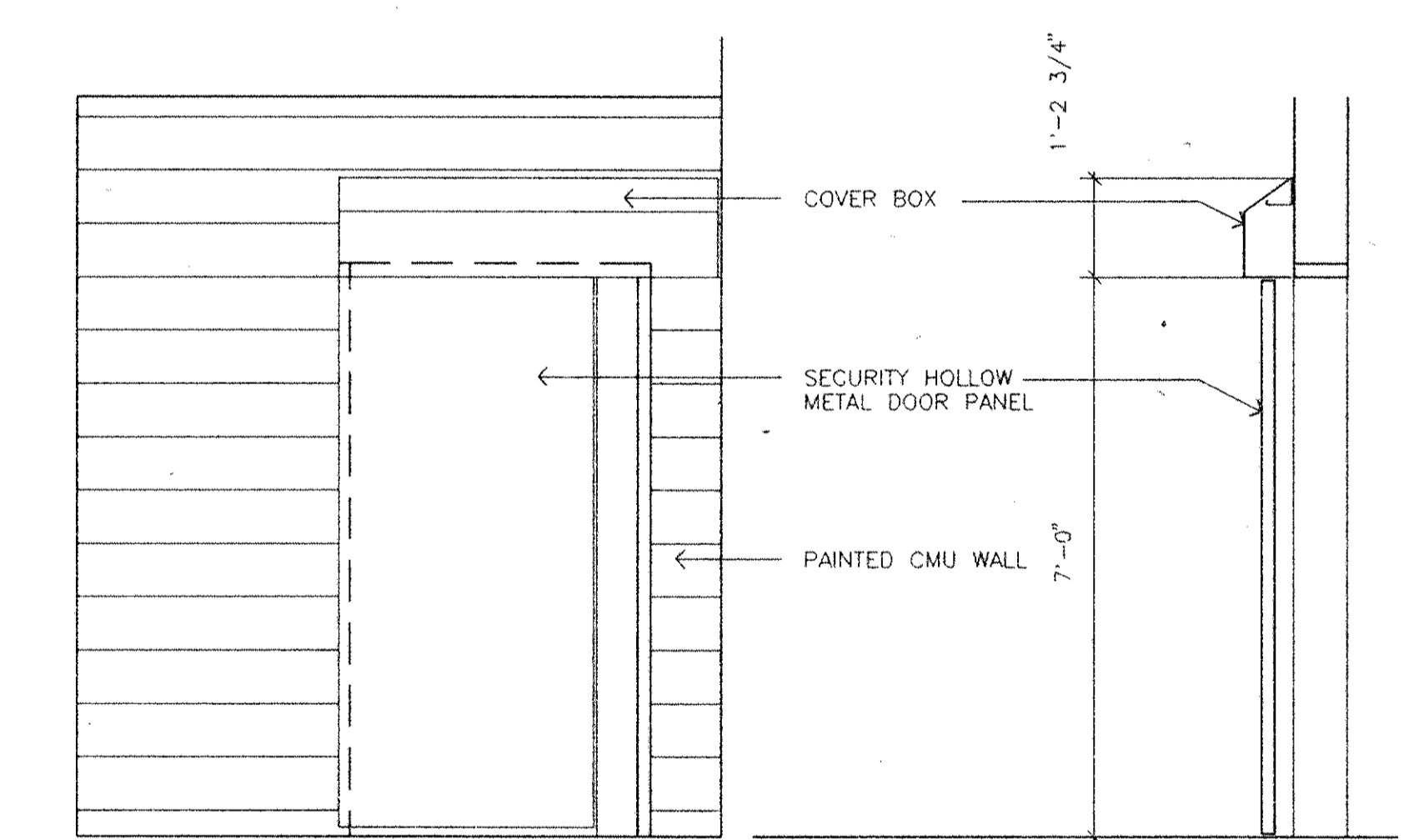
1 PLAN : INTAKE LOBBY SALLY PORTS
1/4" = 1'-0"



7 PLAN DETAIL: CORNER OF BOOKING DESK
1" = 1'-0"



6 SECTION @ BOOKING DESK
1" = 1'-0"



5 TYPICAL SALLY PORT DOOR
PLAN, SECTION, ELEVATION
1/2" = 1'-0"

Dutchess County Jail
Phase 3 Addition & Renovations
150 N. Hamilton St.
Poughkeepsie, N.Y. 12602

Owner
County of Dutchess
Department of Public Works
22 Market Street
Poughkeepsie, N.Y. 12601
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Tel 914/431-2121

Construction Manager
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123 Rombout Avenue
P.O. Box 790
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Fax 914/831-6071
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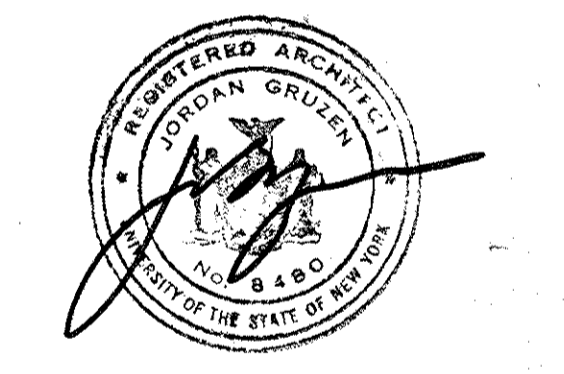
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304 Park Avenue South
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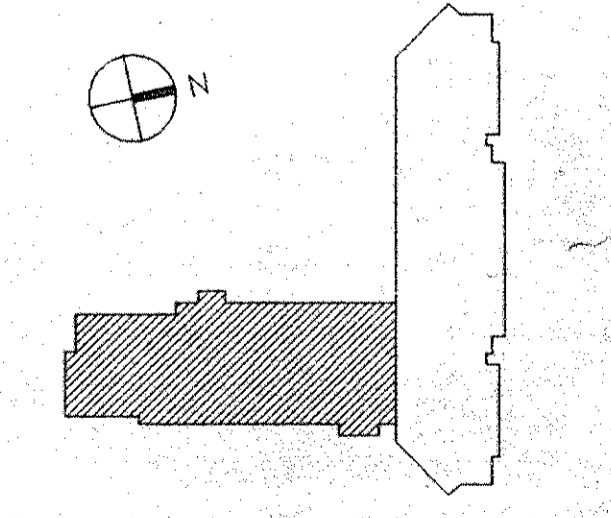
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Paggi & Martin
54-56 Main Street
Poughkeepsie, New York 12601
Fax 914/471-0905
Tel 914/471-7898



No.	Date	Revision
4	9.09.94	ADDENDUM 9.2
3	8.05.94	GENERAL REVISIONS
2	4.29.94	BID ISSUE
1	3.21.94	COST ESTIMATE ISSUE

Drawn By	Date
RF	2.8.94
Checked By	Date
RF	8.05.94

Issue Date
05 AUGUST 1994
Scale
AS NOTED
Key Plan

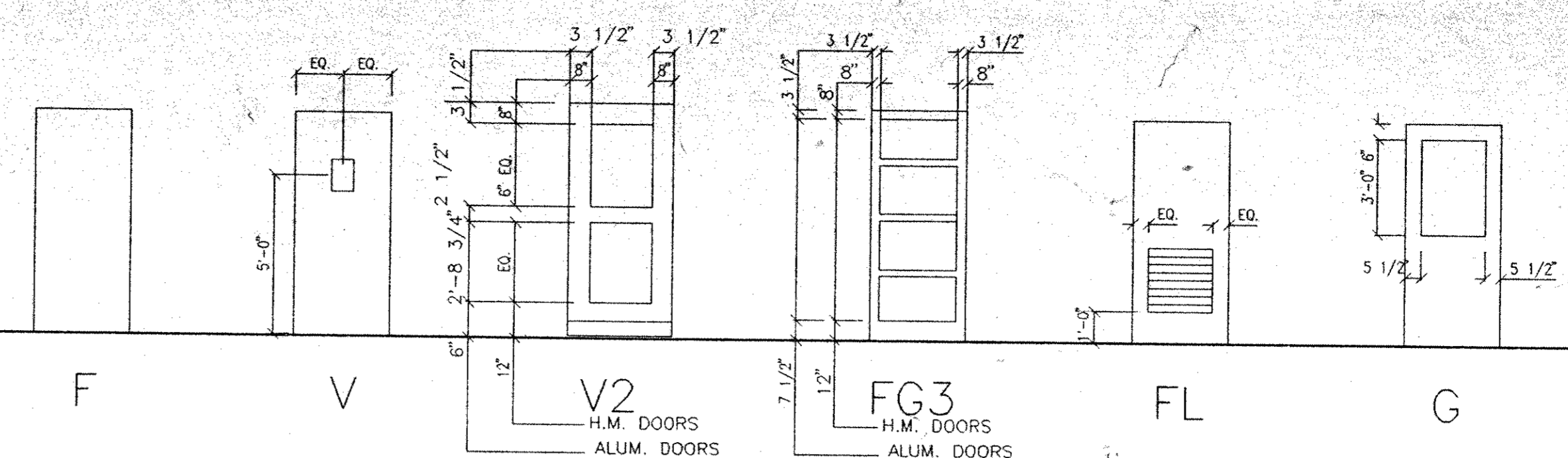


Drawing Title
**SALLY PORT PLANS,
SECTIONS &
DETAILS**

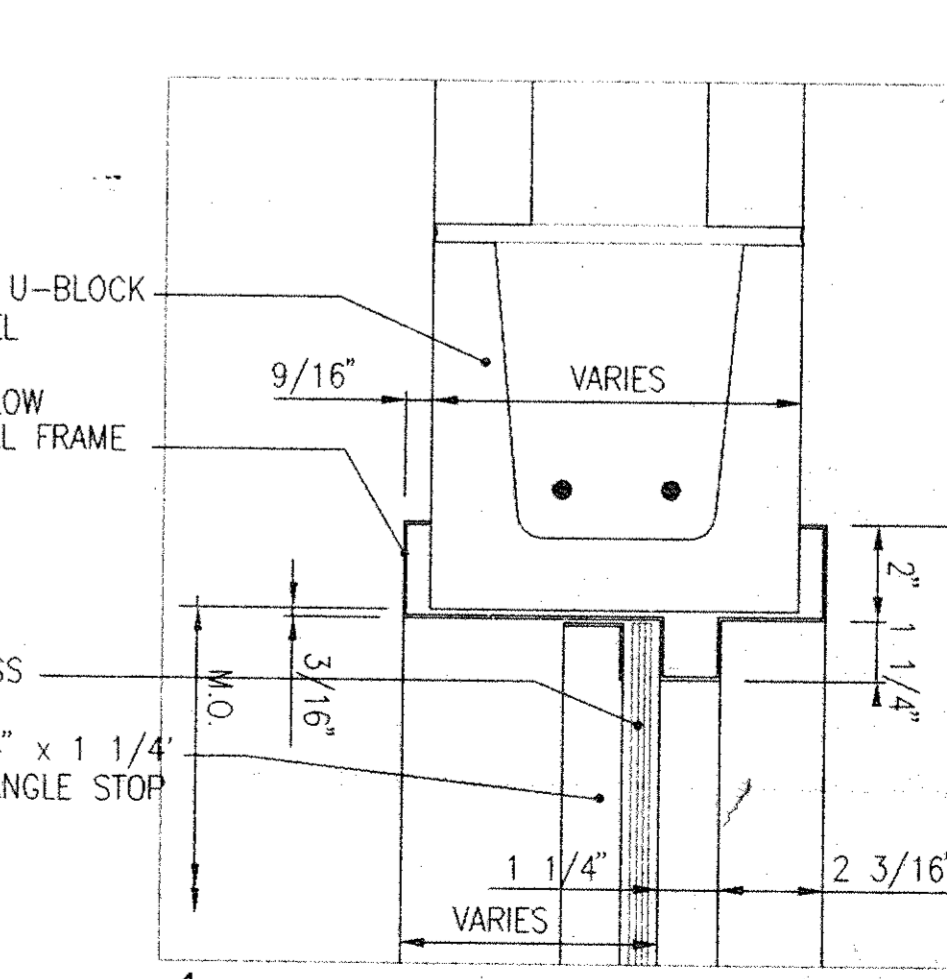
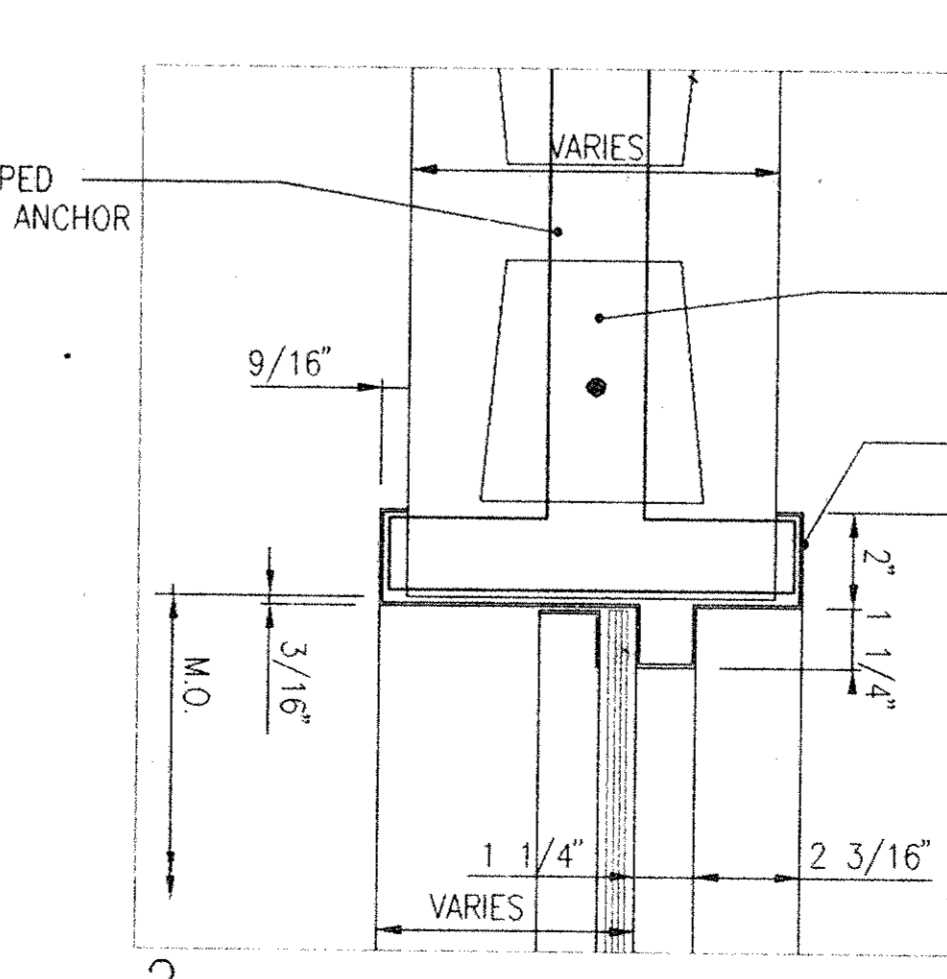
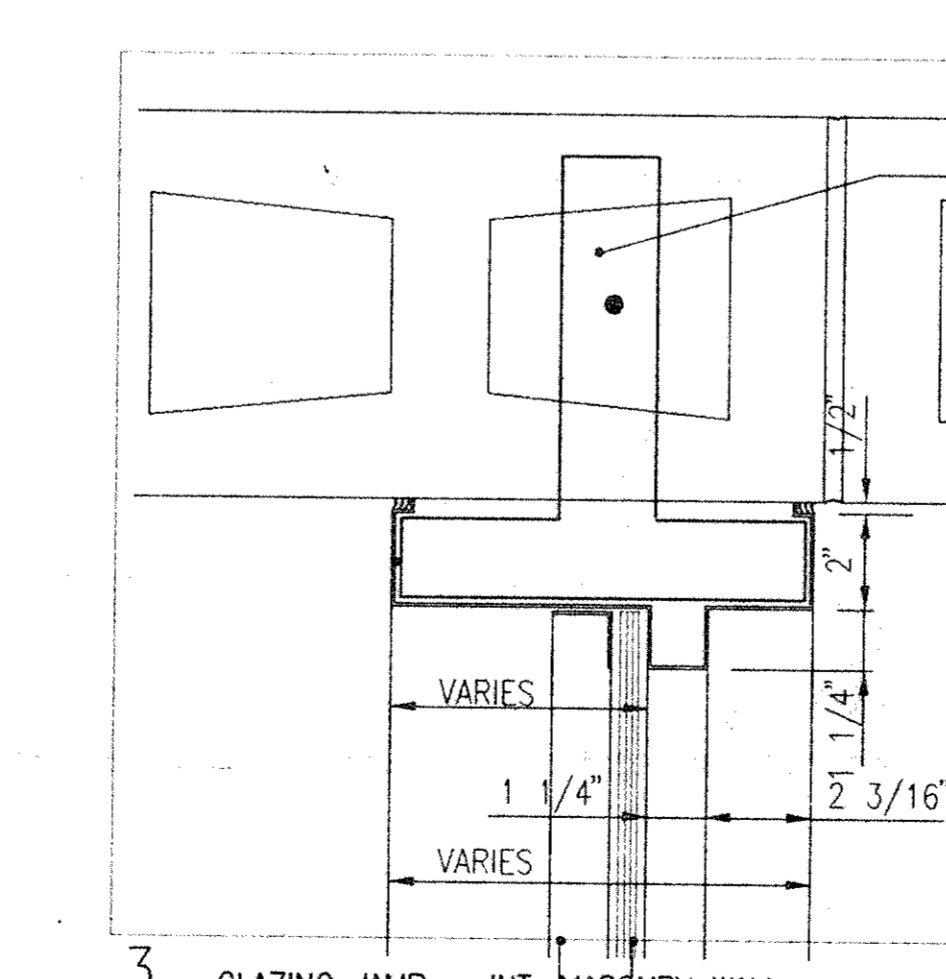
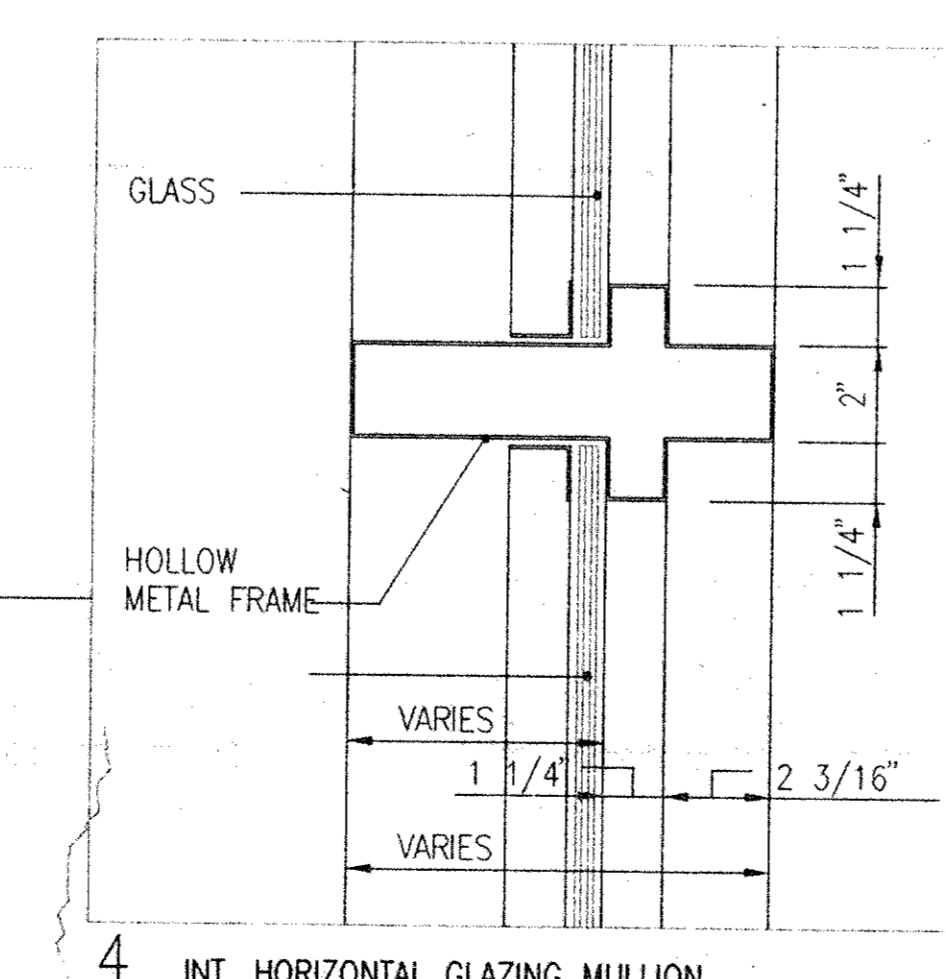
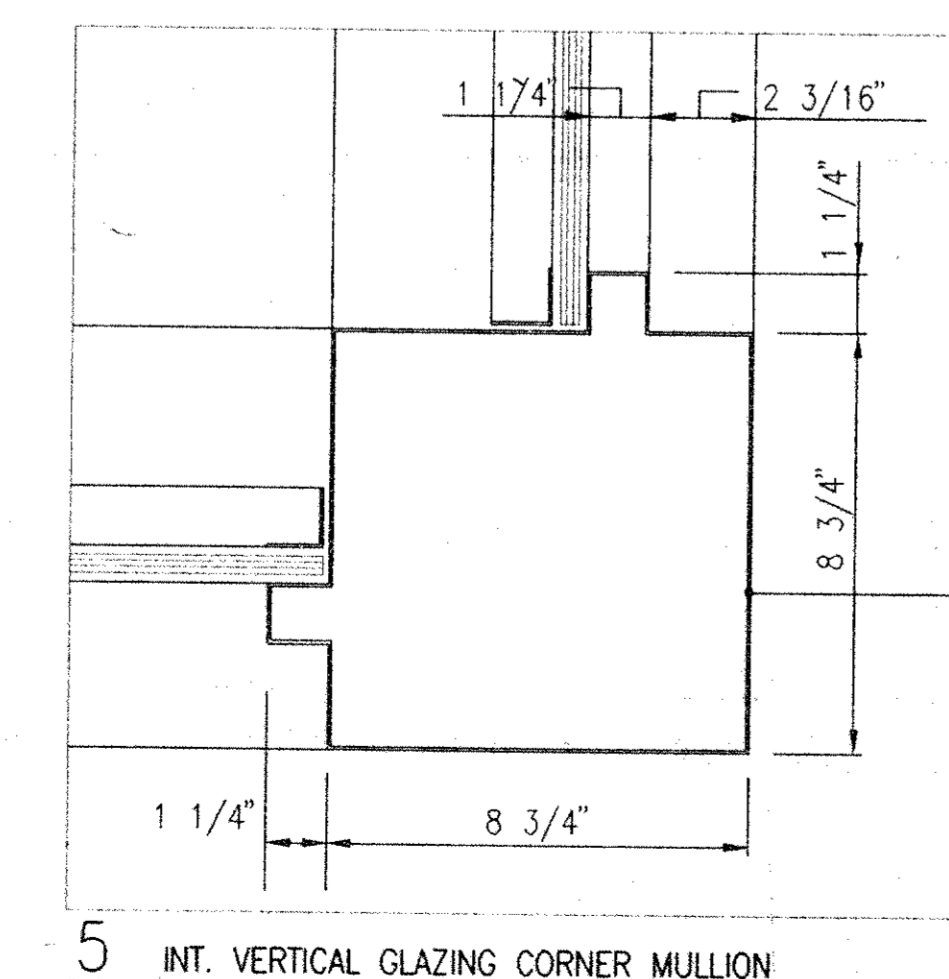
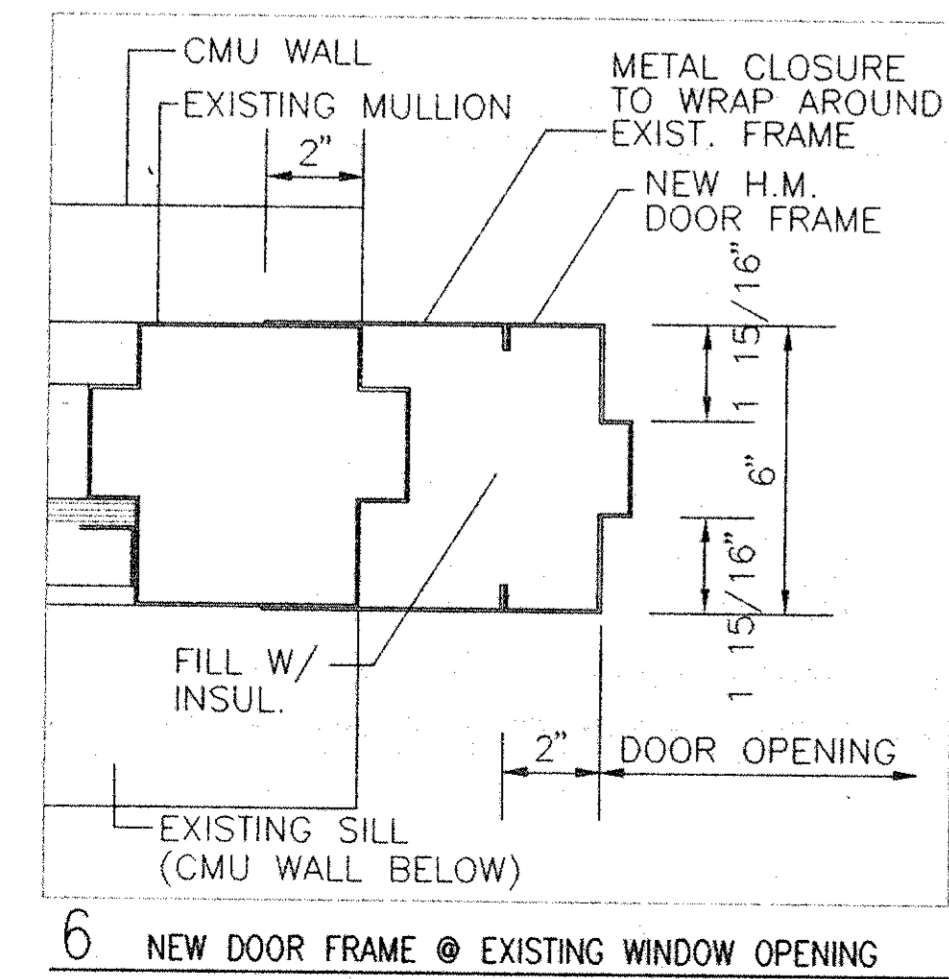
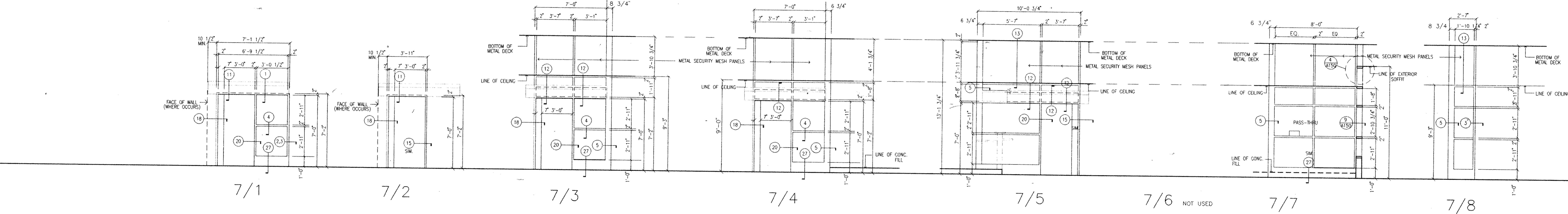
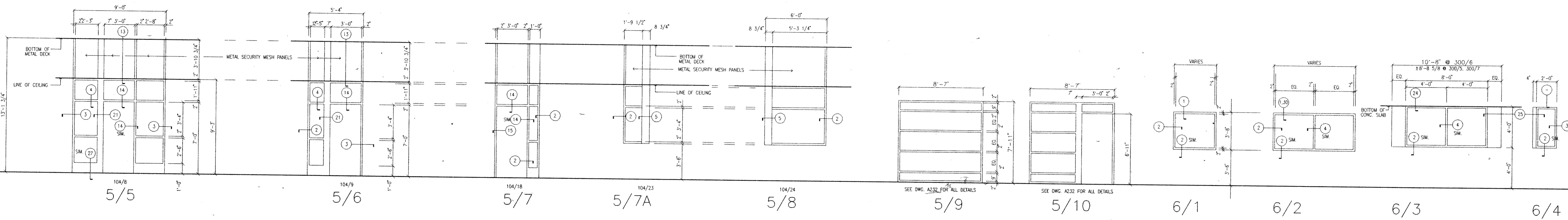
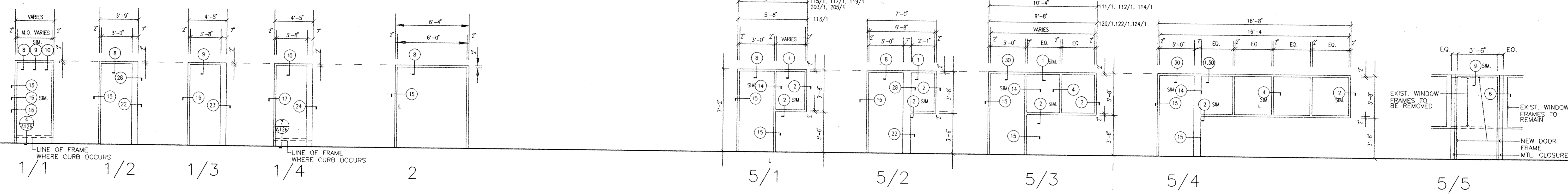
CS Project No. 91-1286
RA Project # 99301.00
Drawing No.

A155

DOOR TYPES



FRAME TYPES



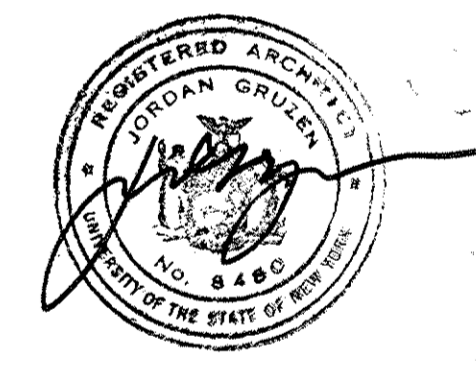
FRAME DETAILS

NOTE:
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HOLLOW METAL DETAILS
SCALE: 3\"/>

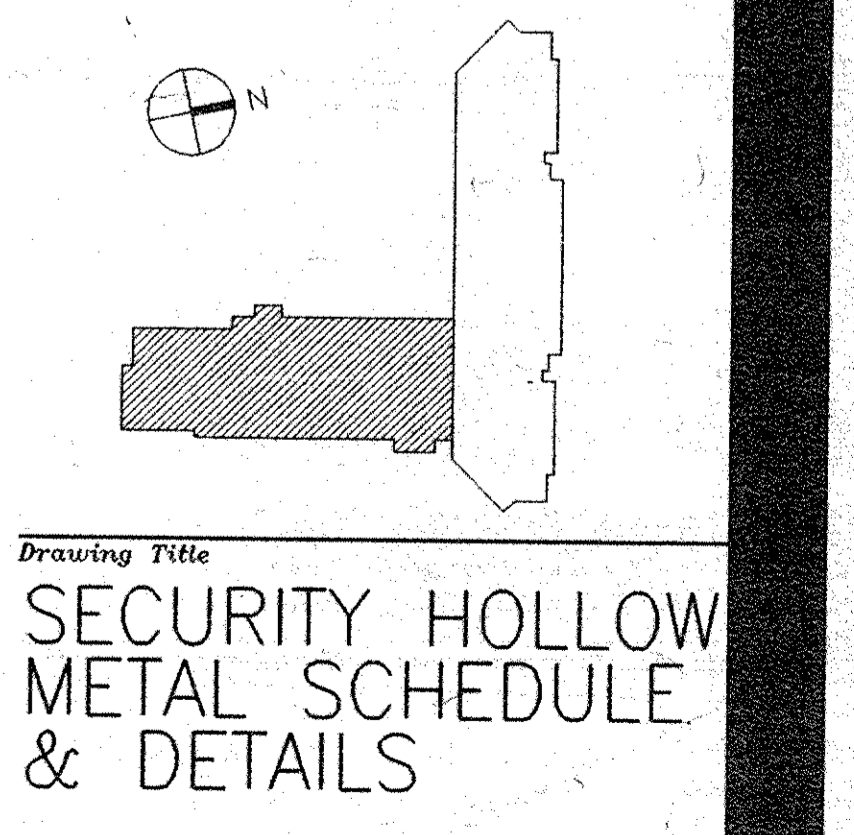
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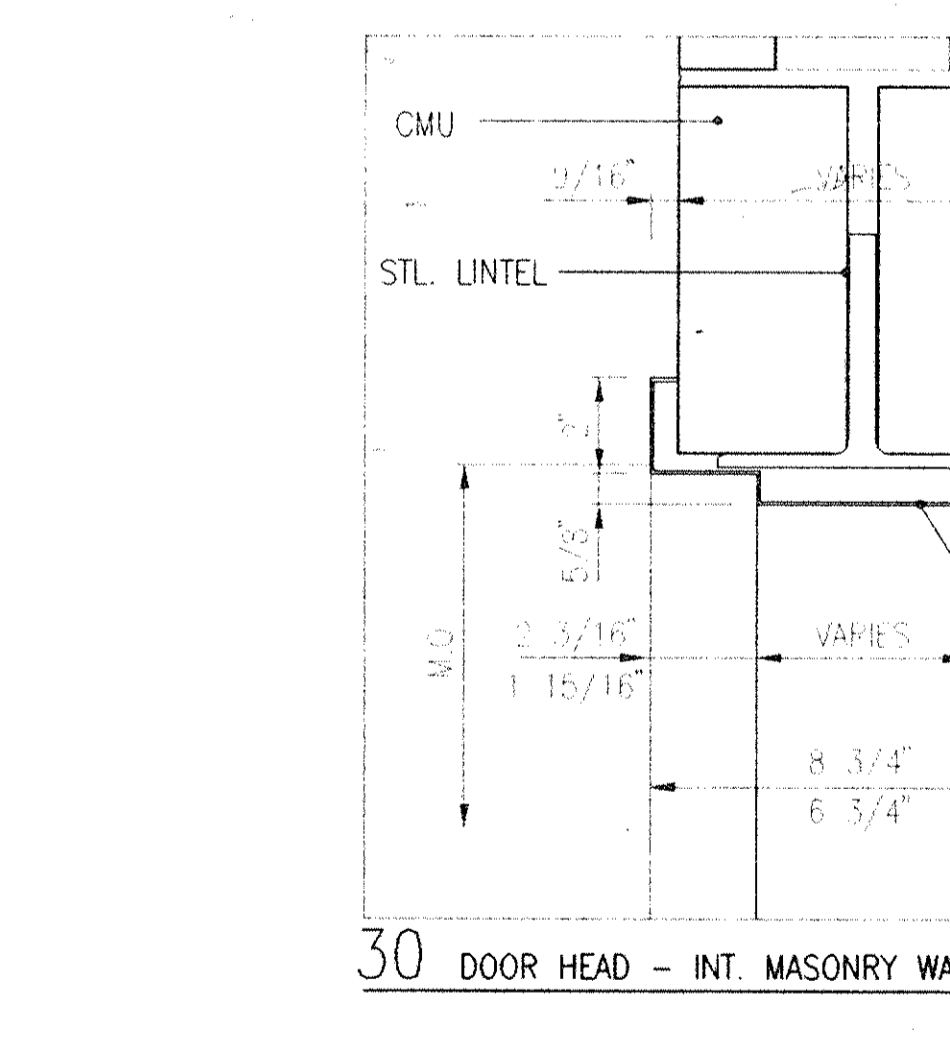
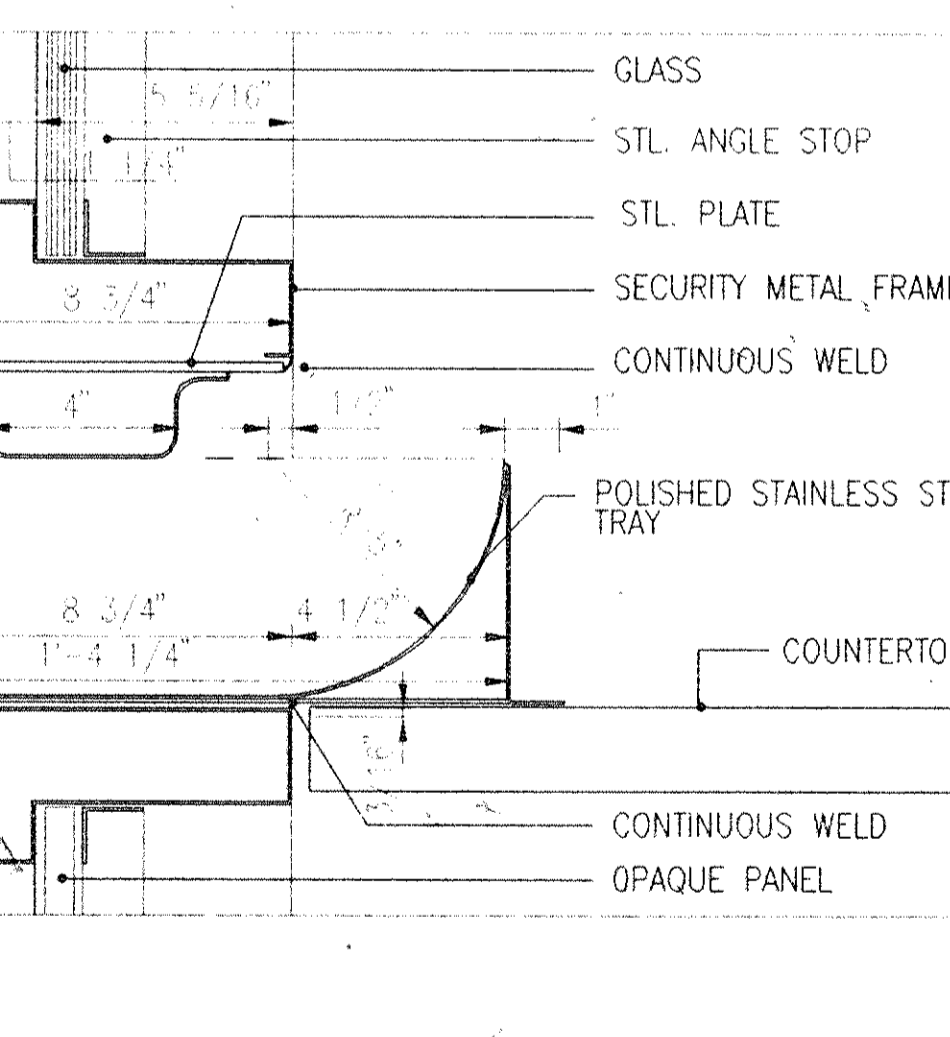
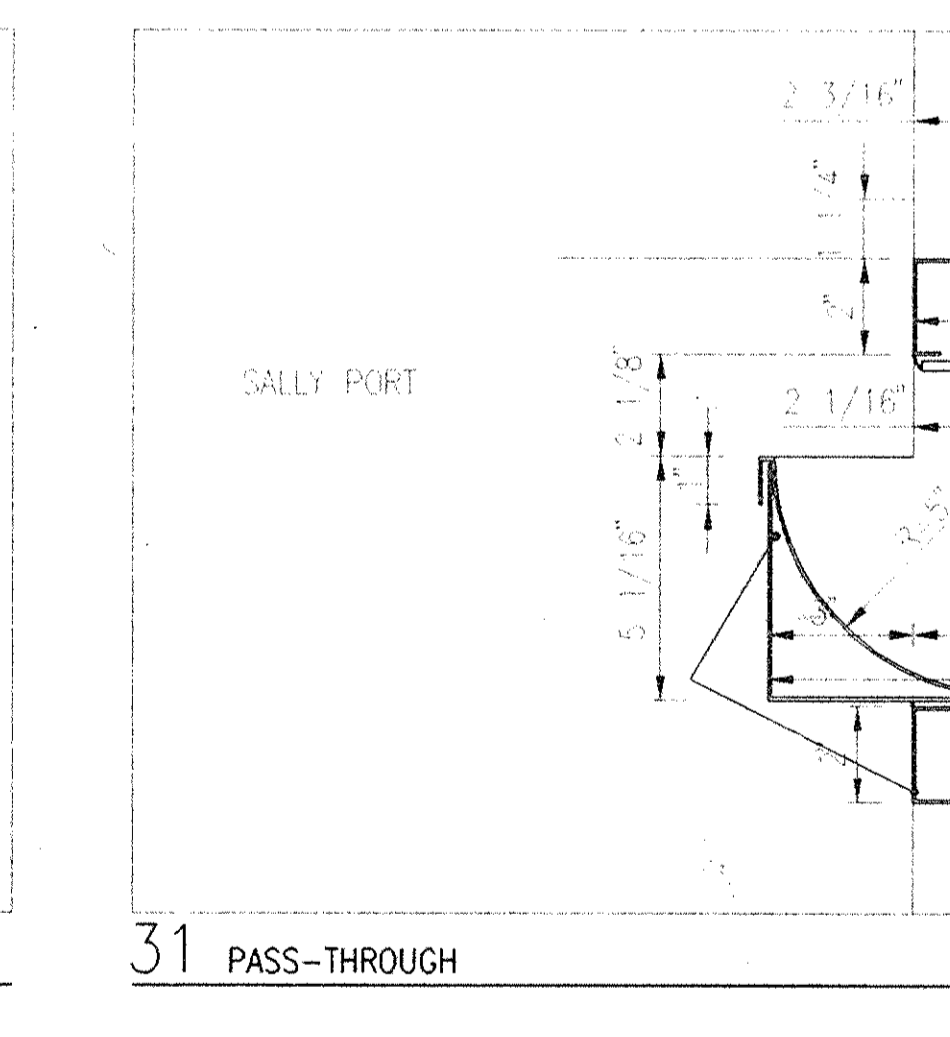
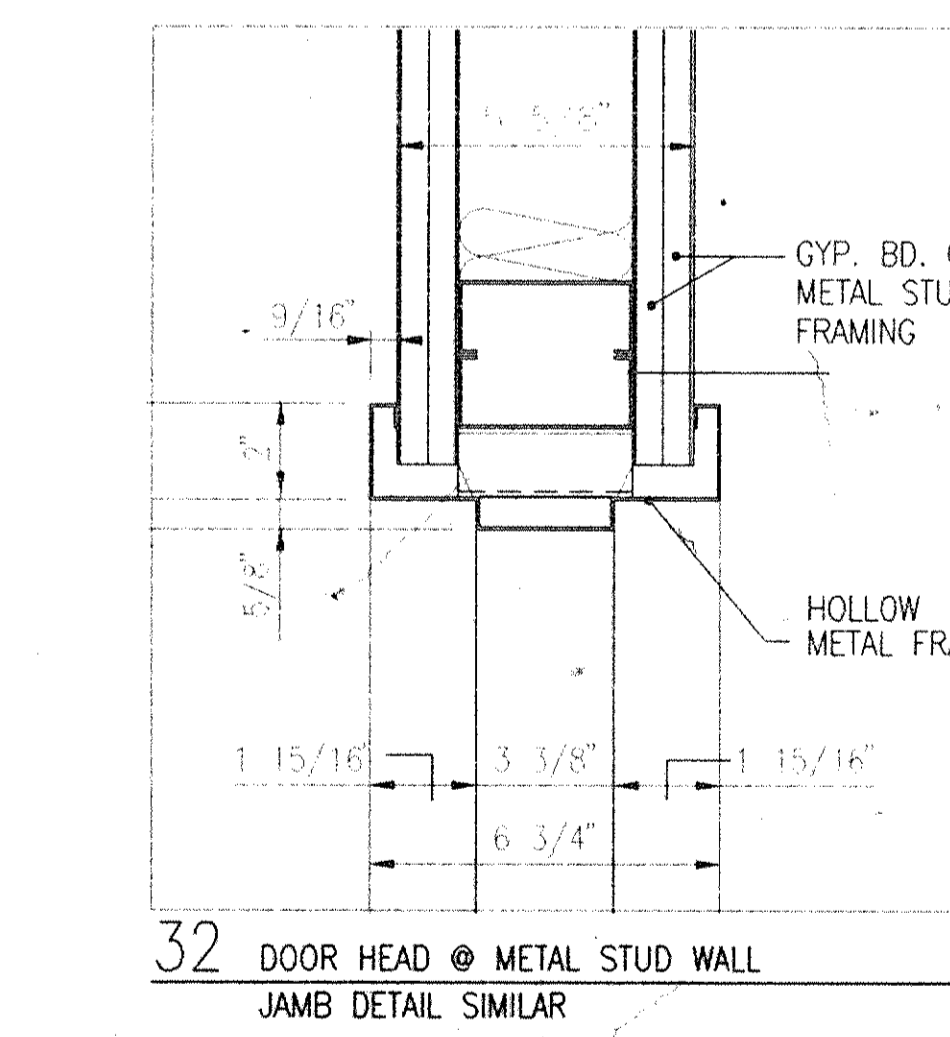
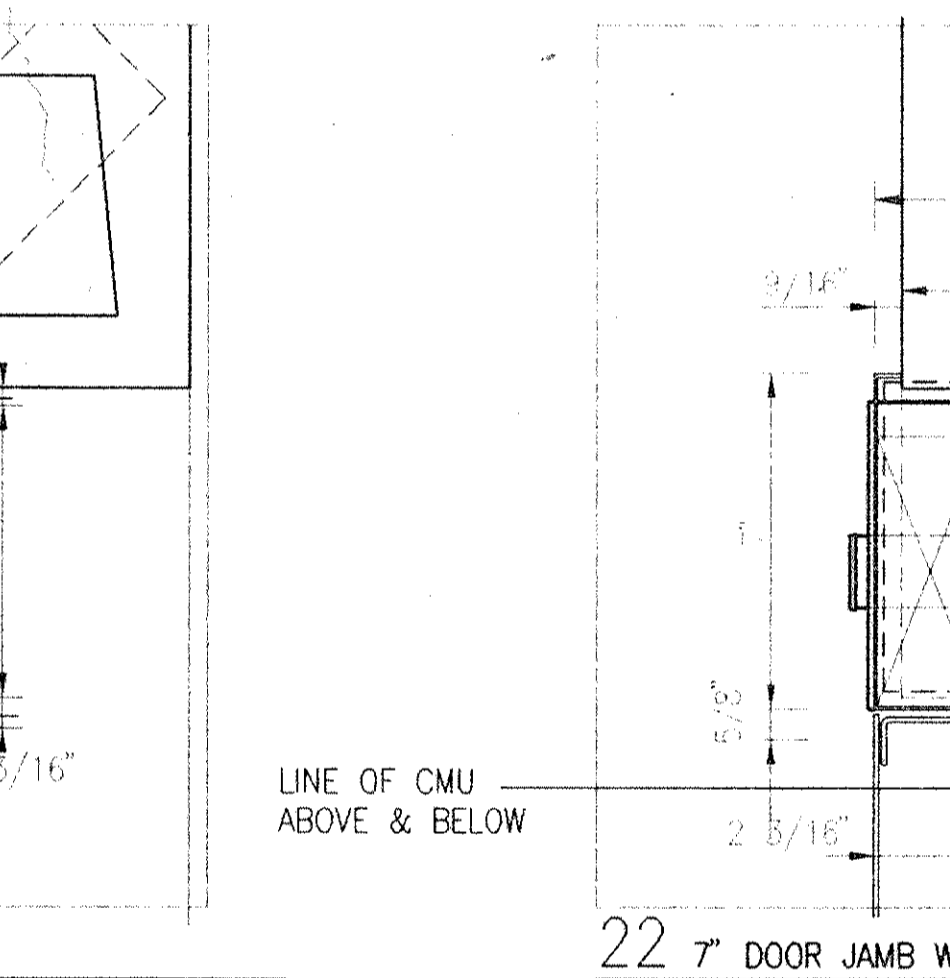
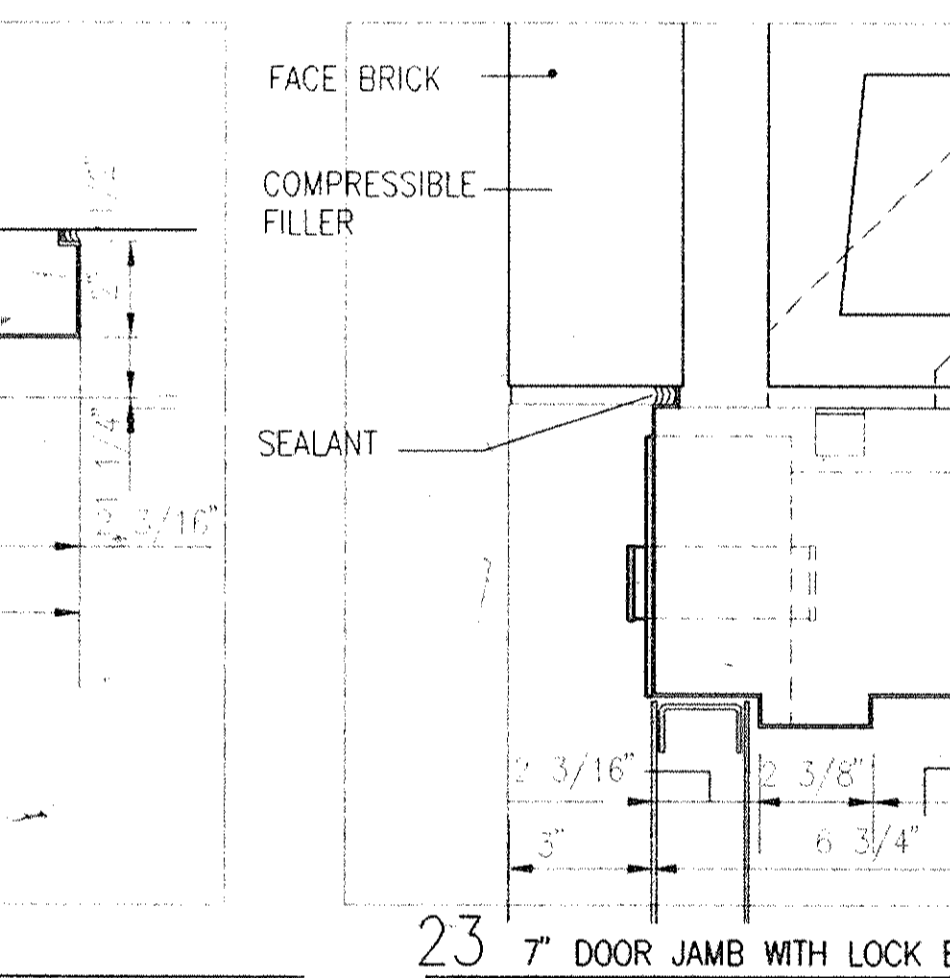
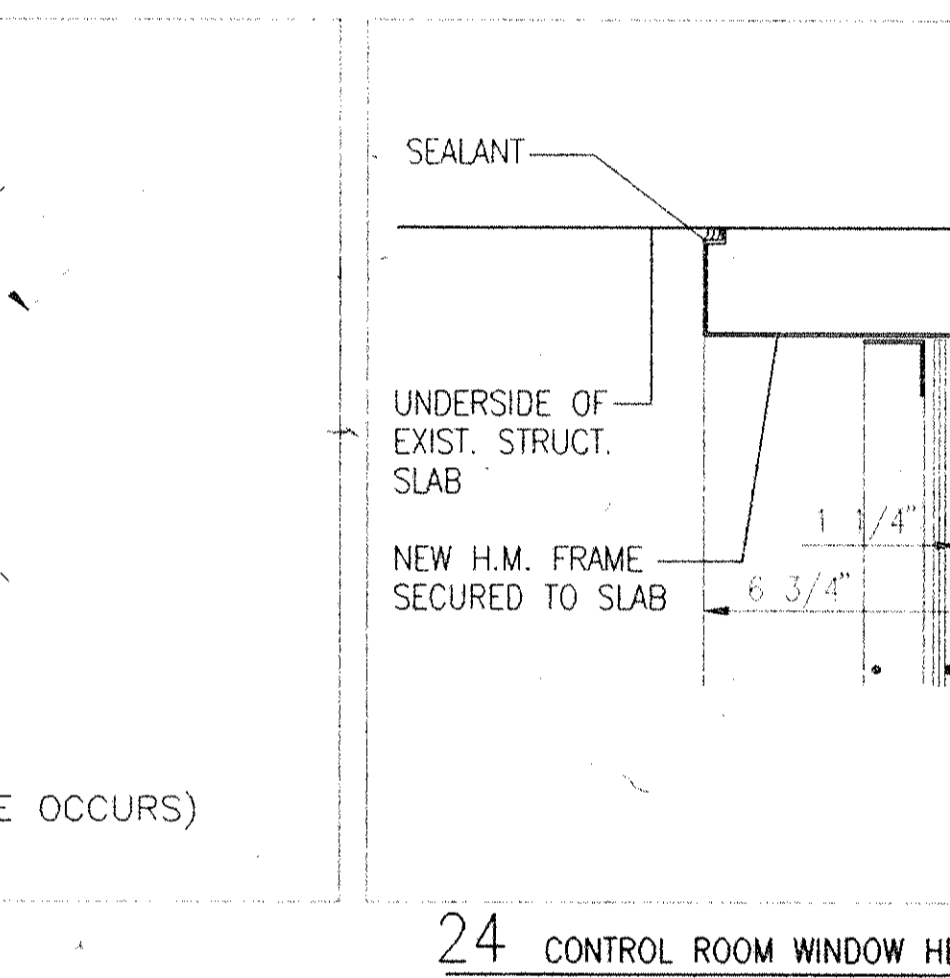
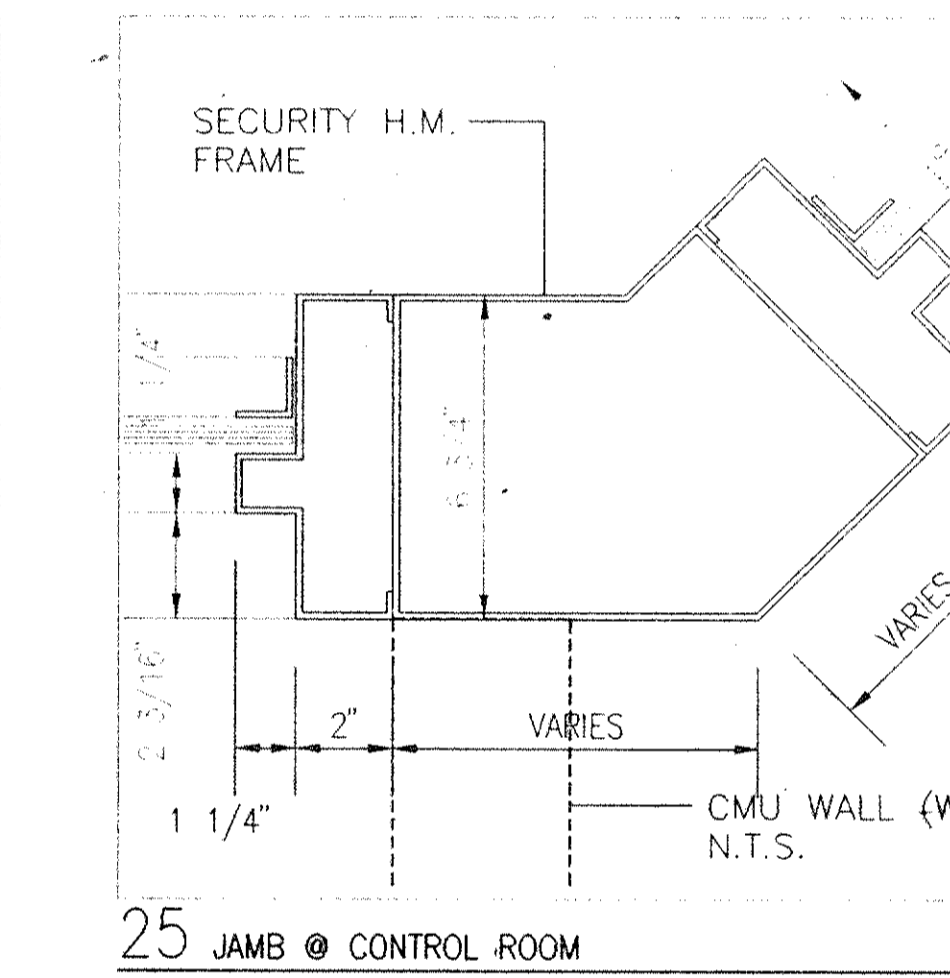
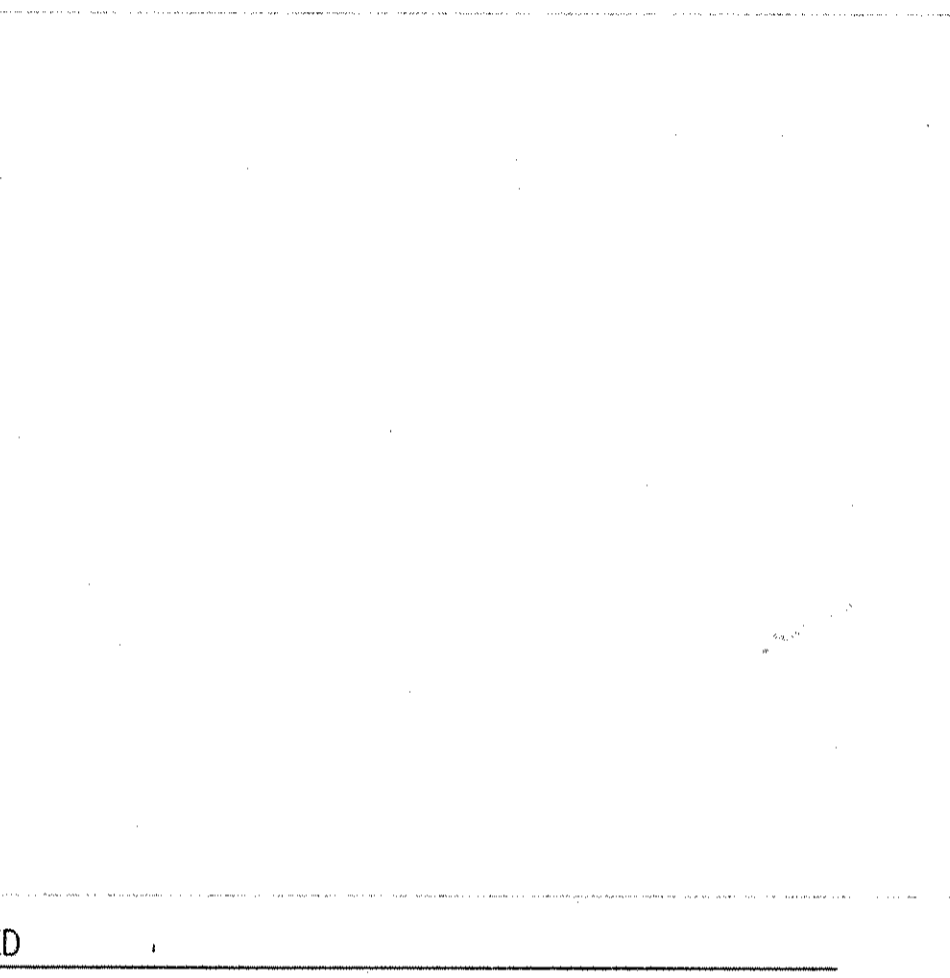
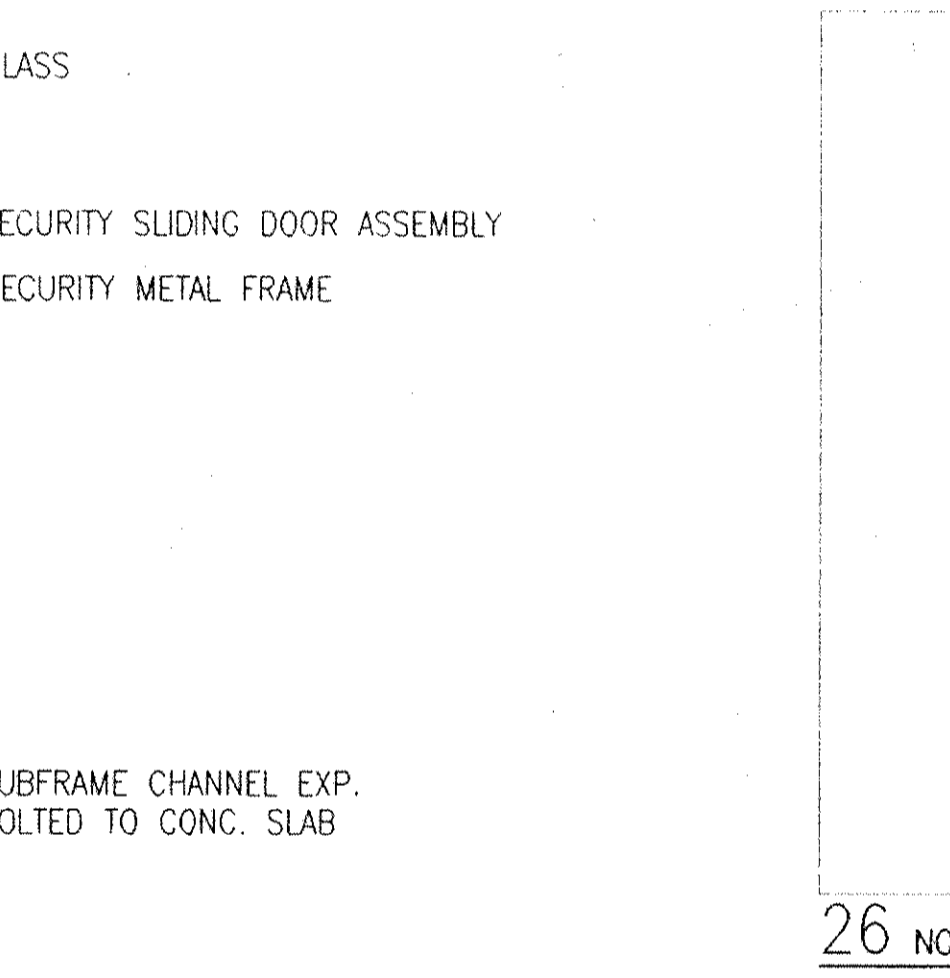
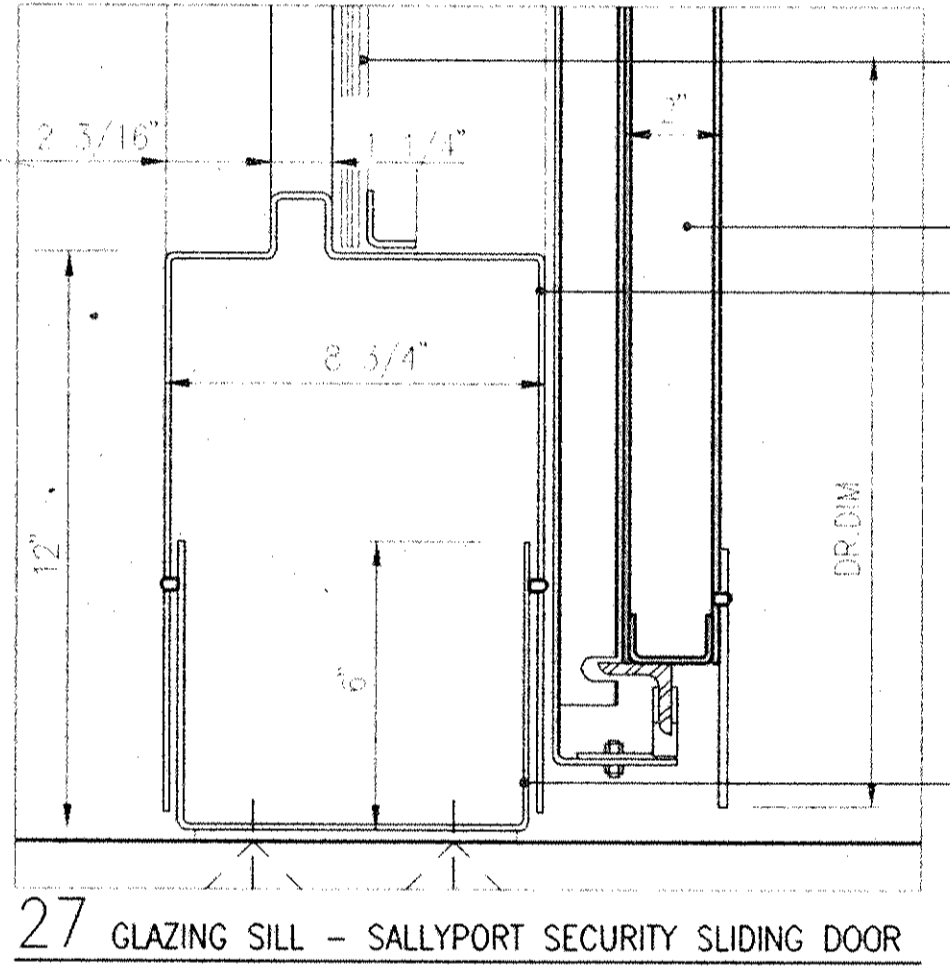
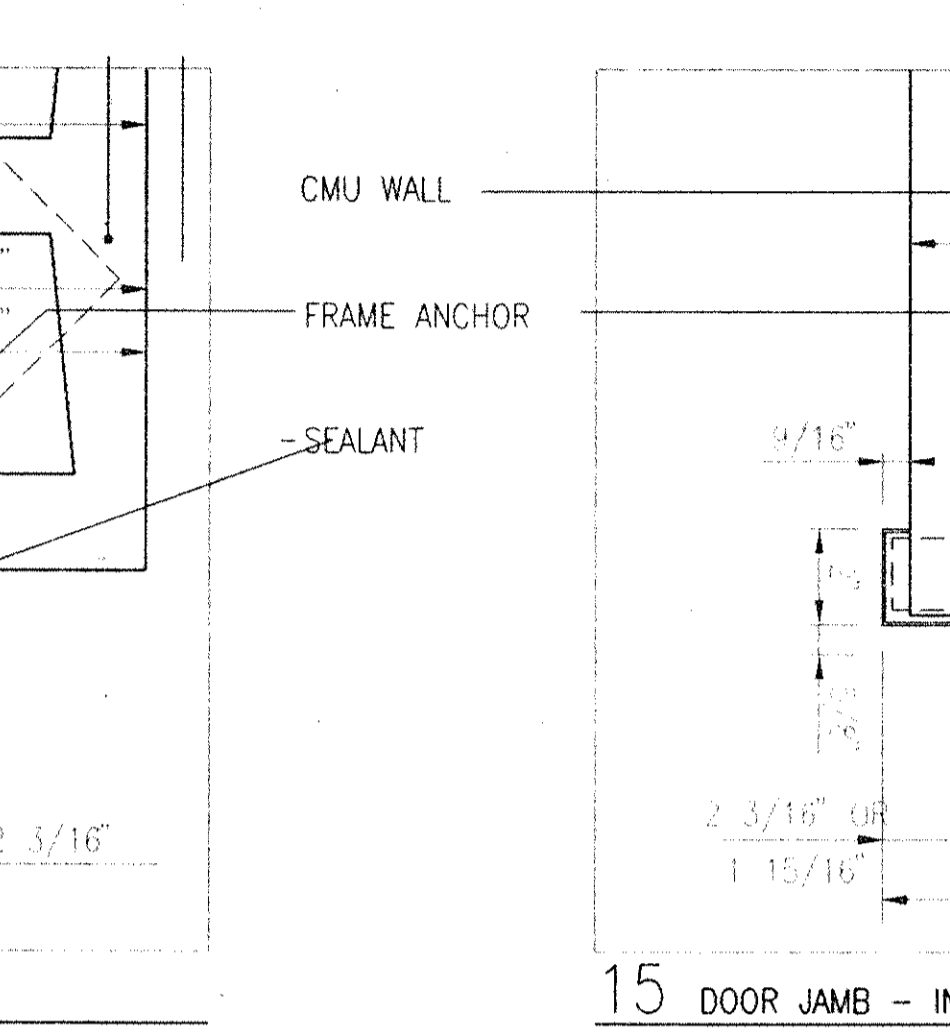
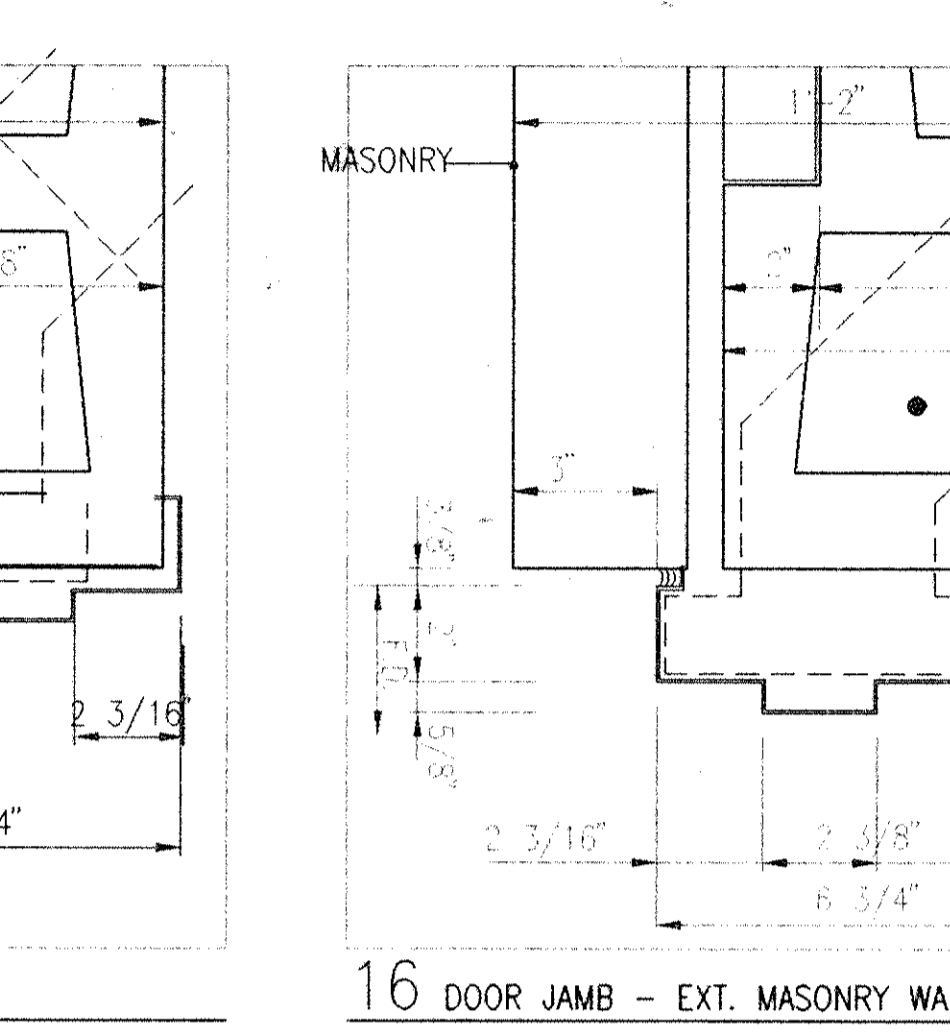
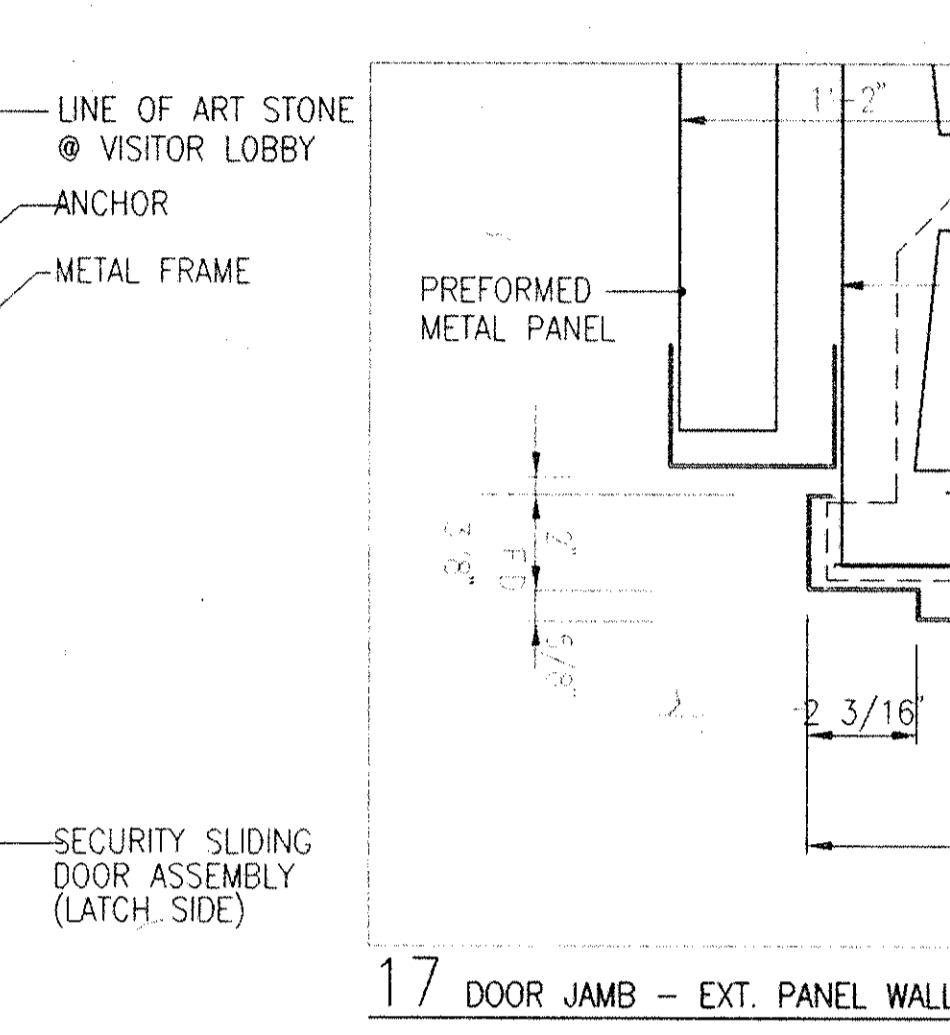
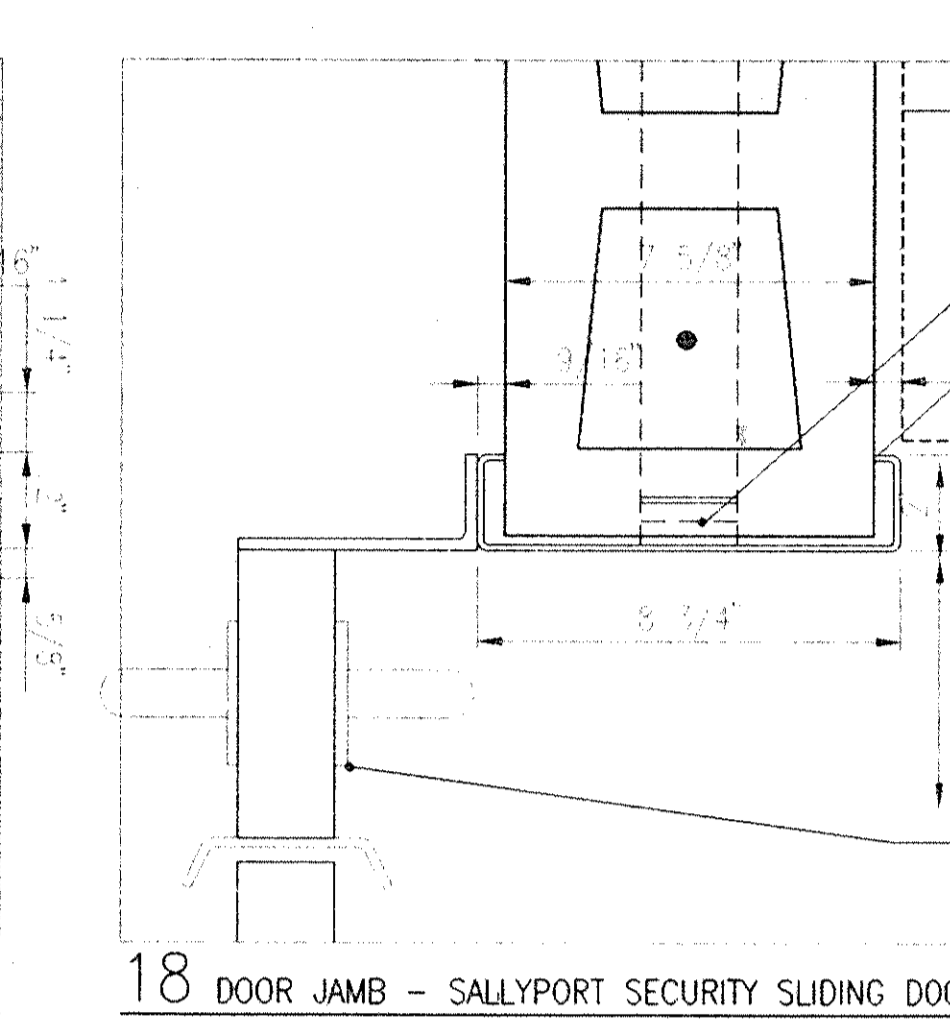
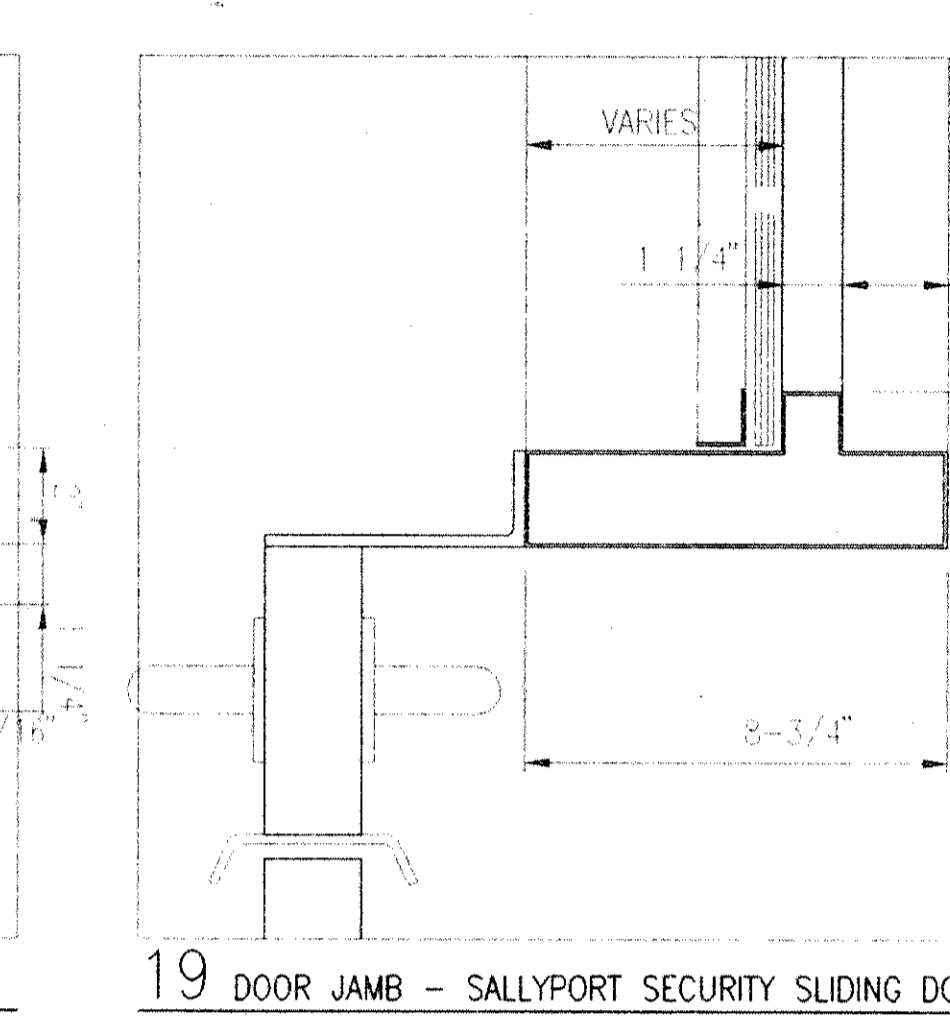
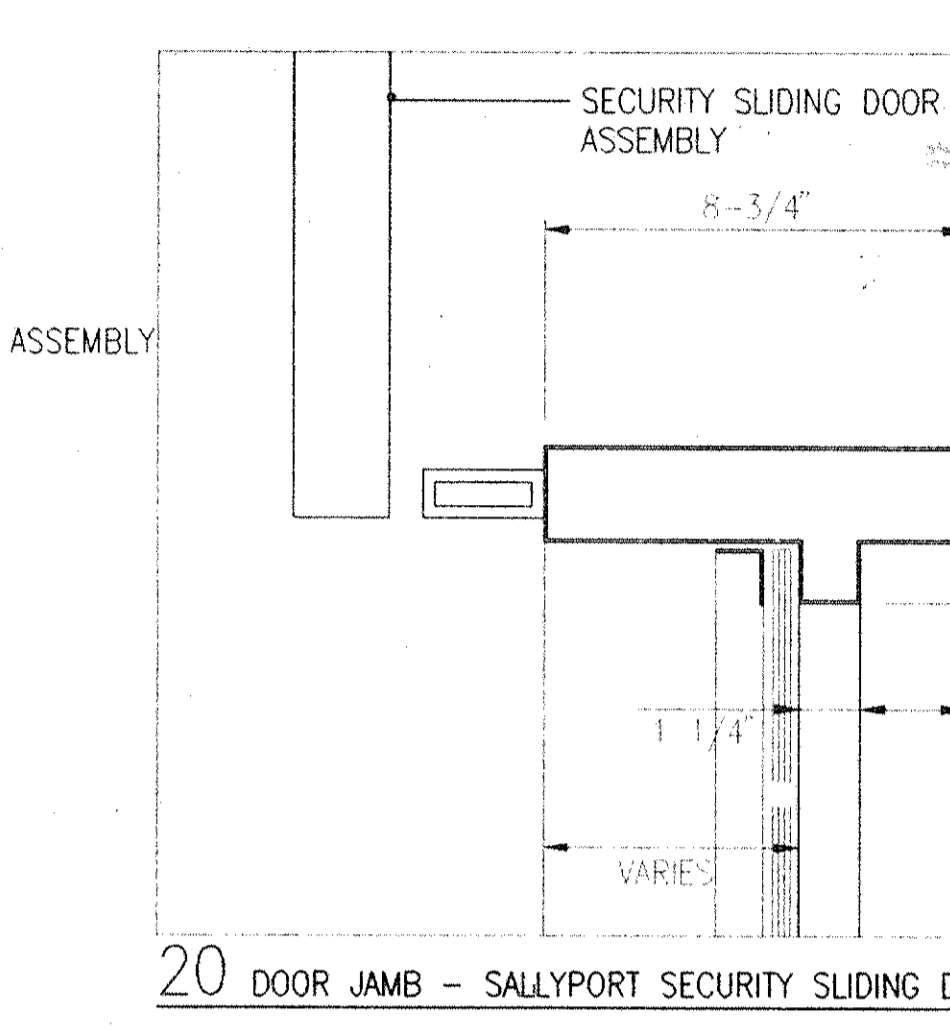
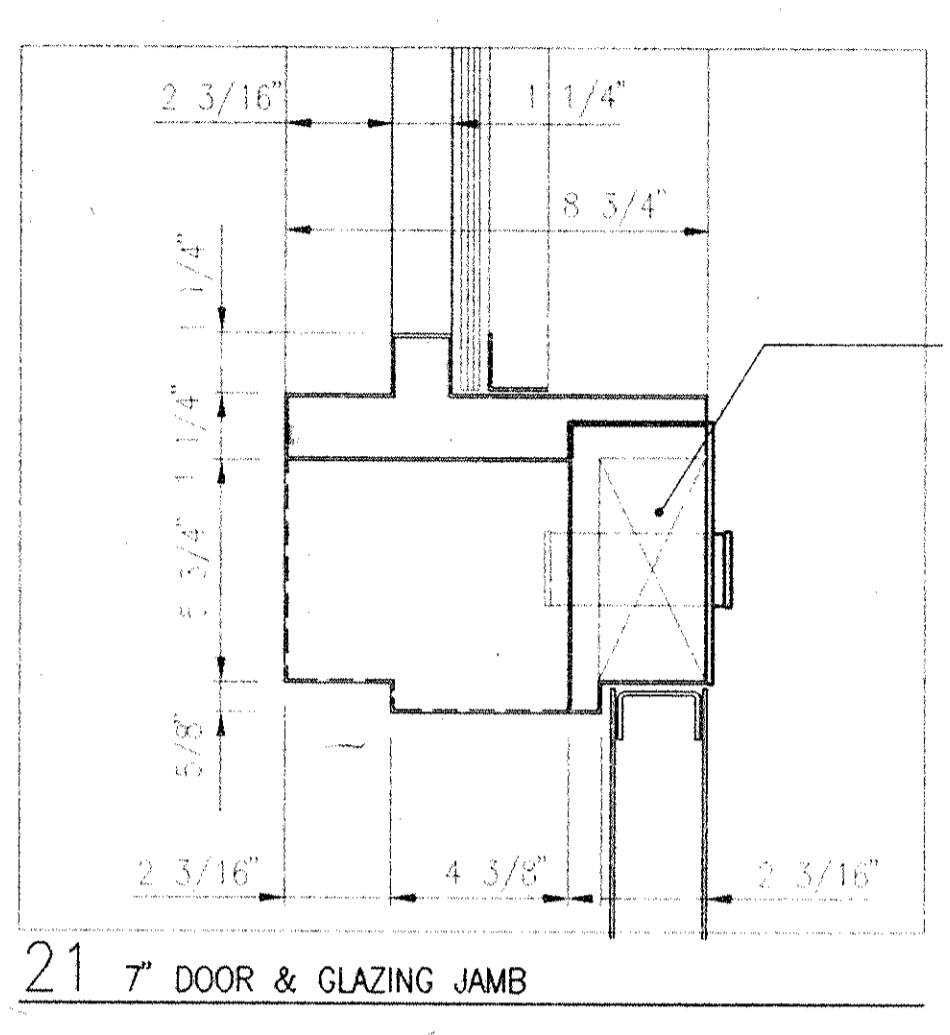
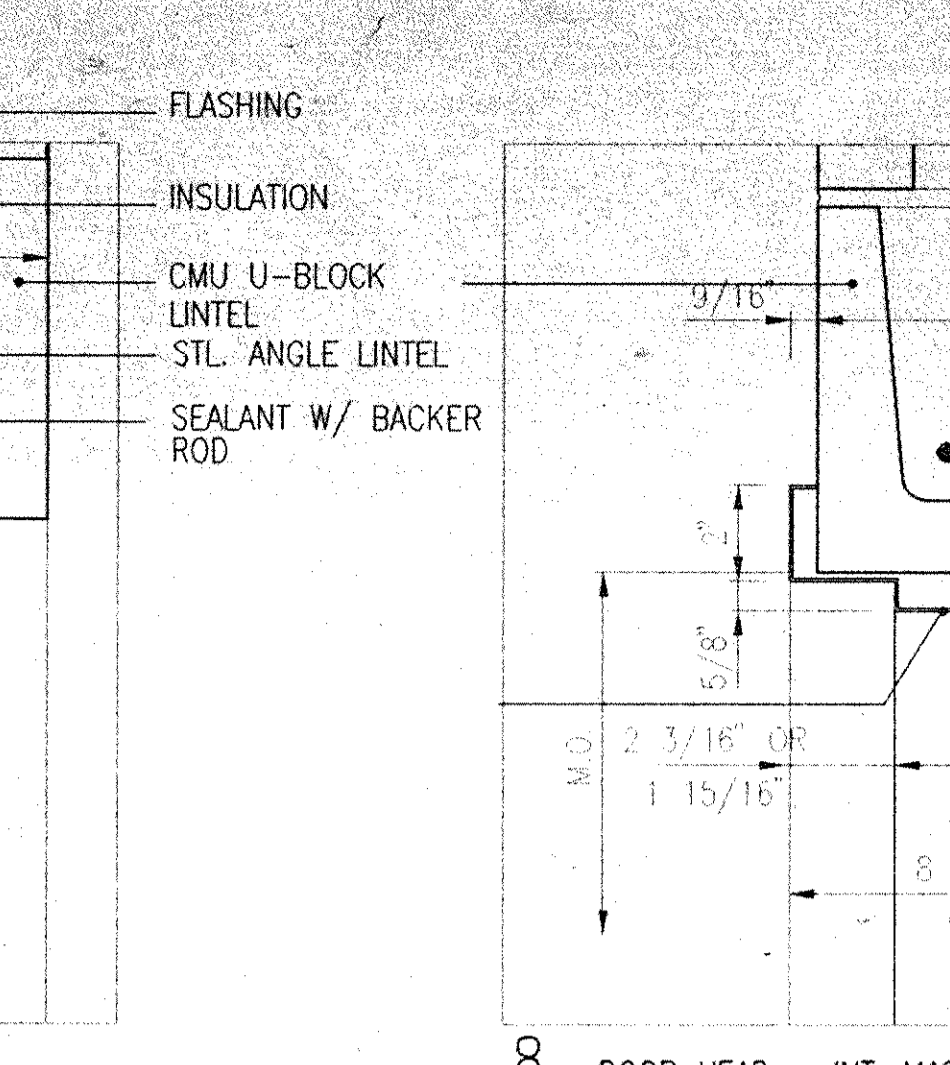
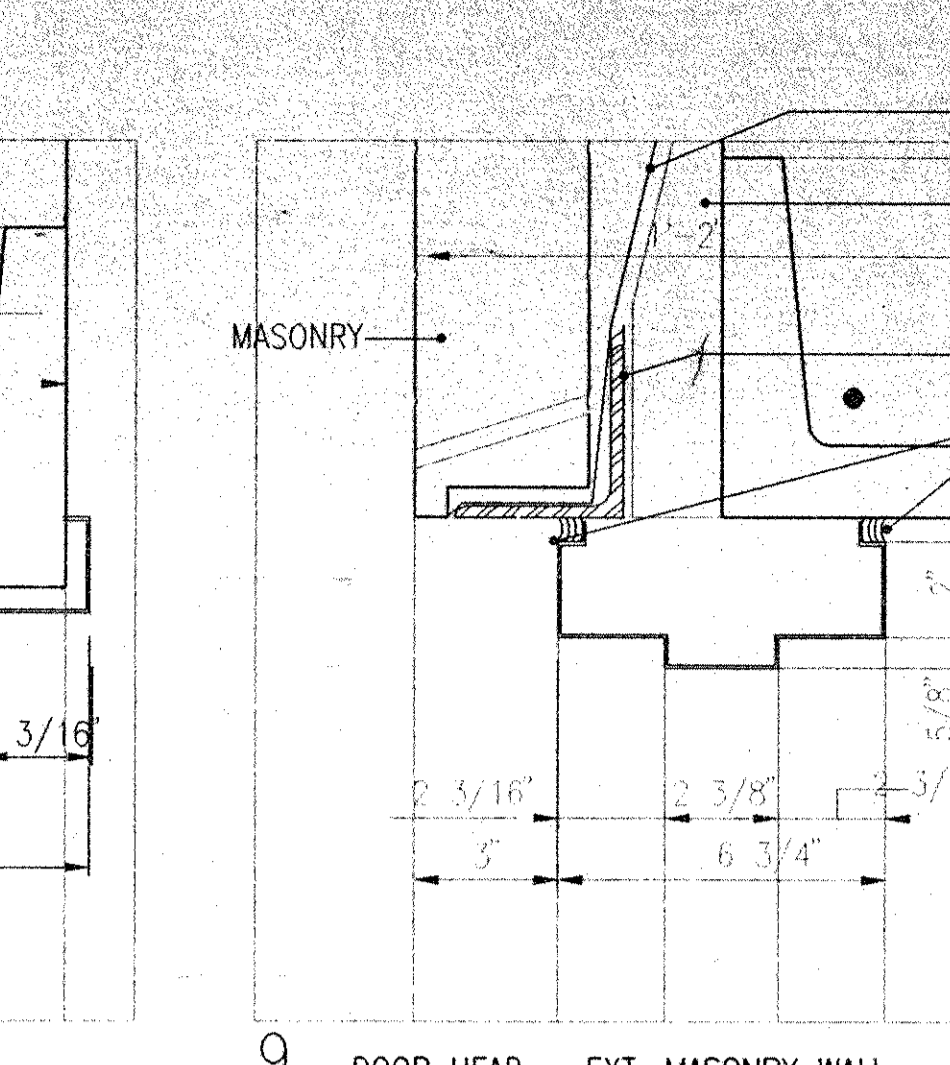
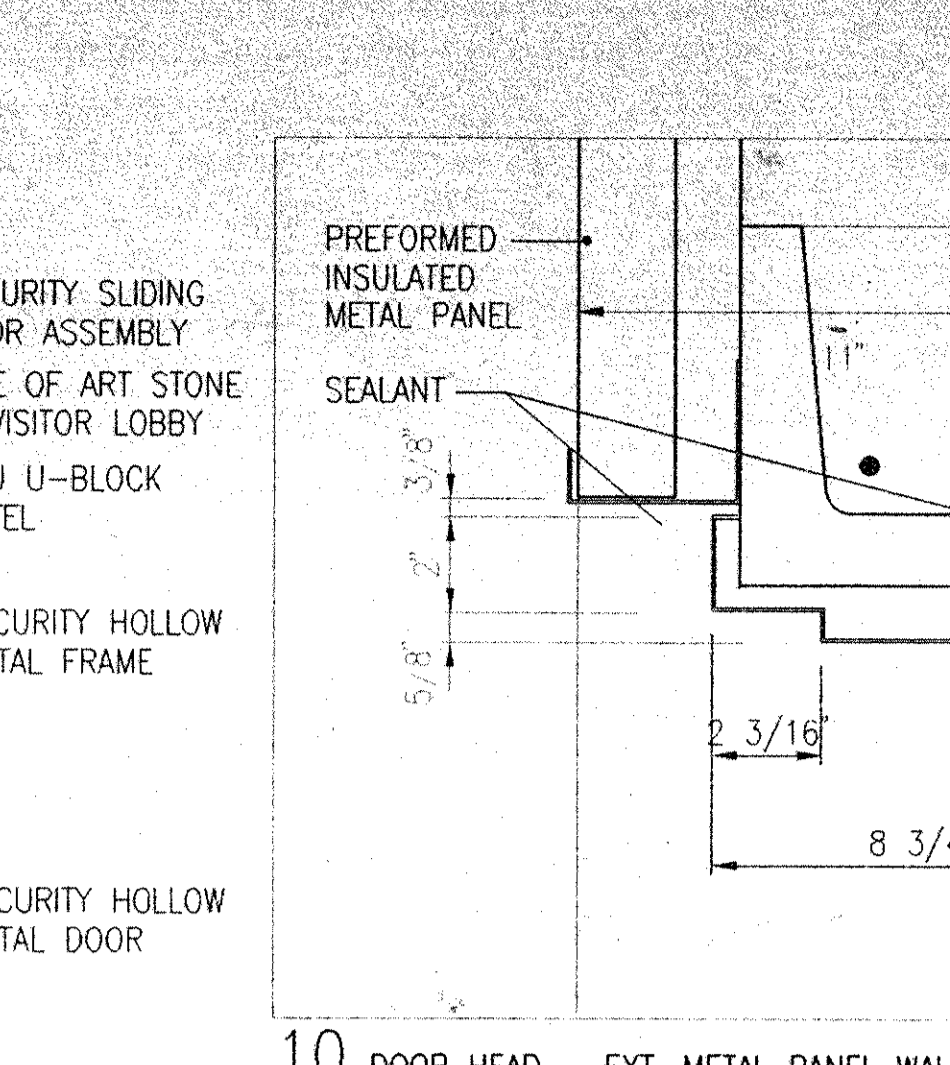
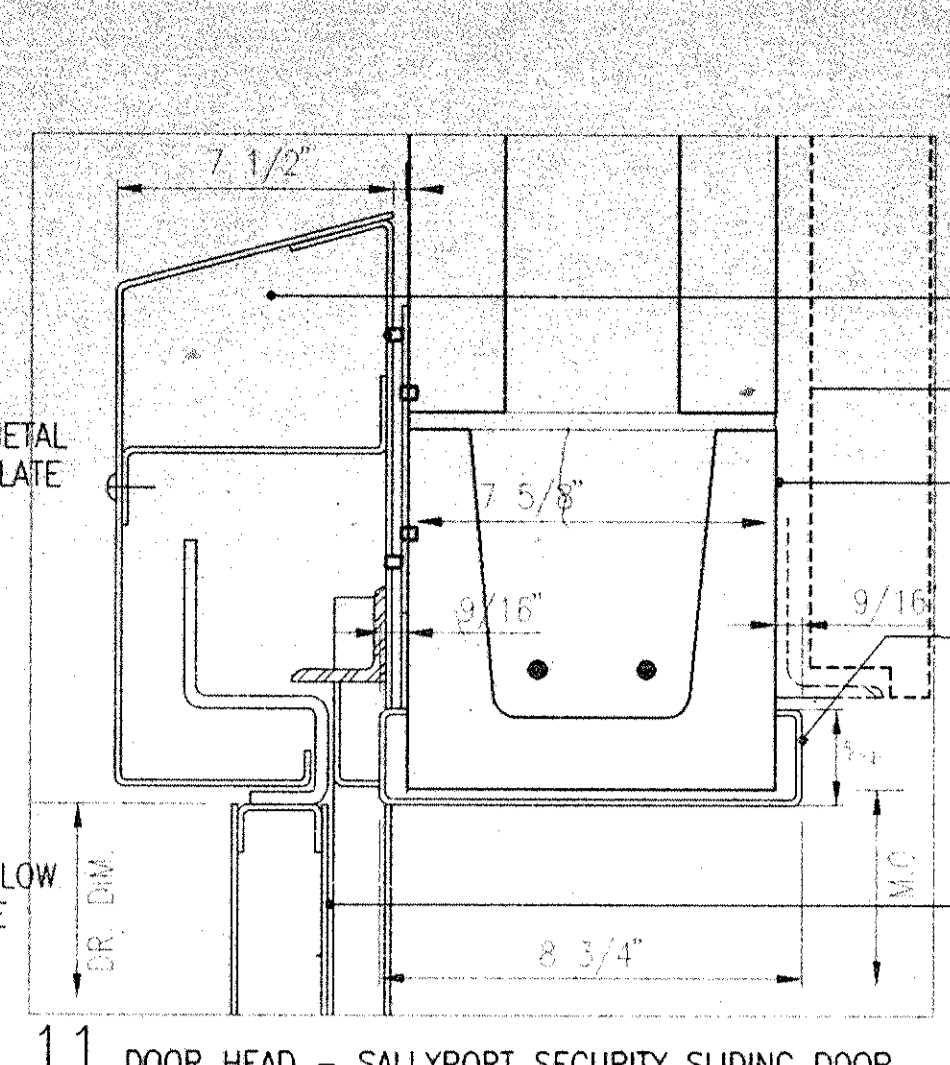
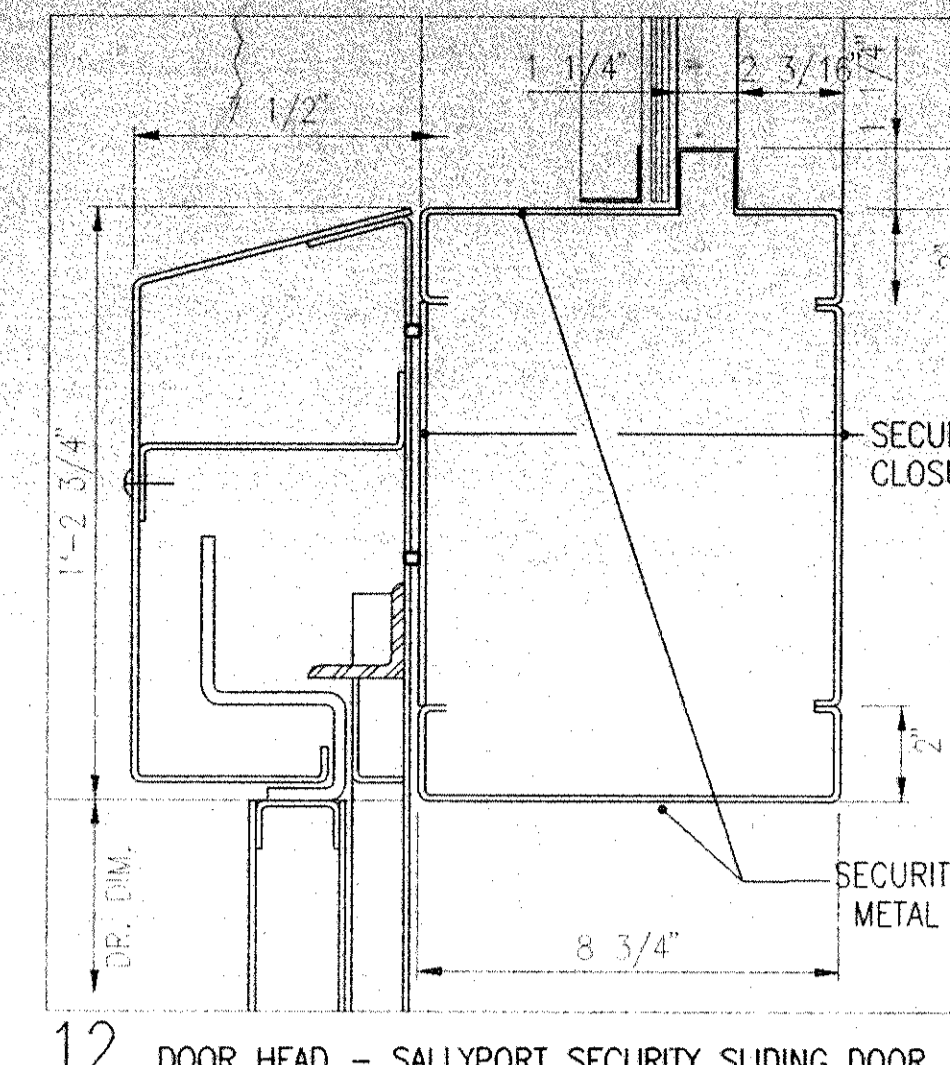
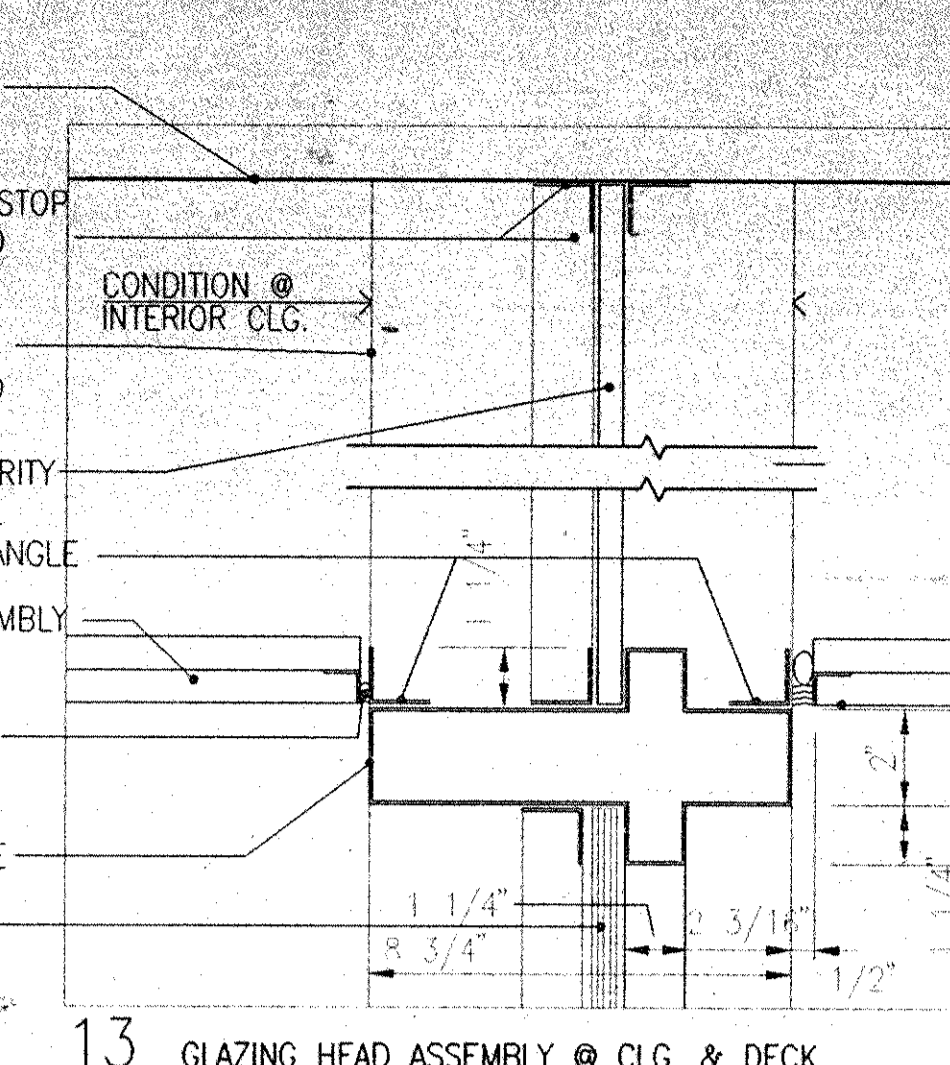
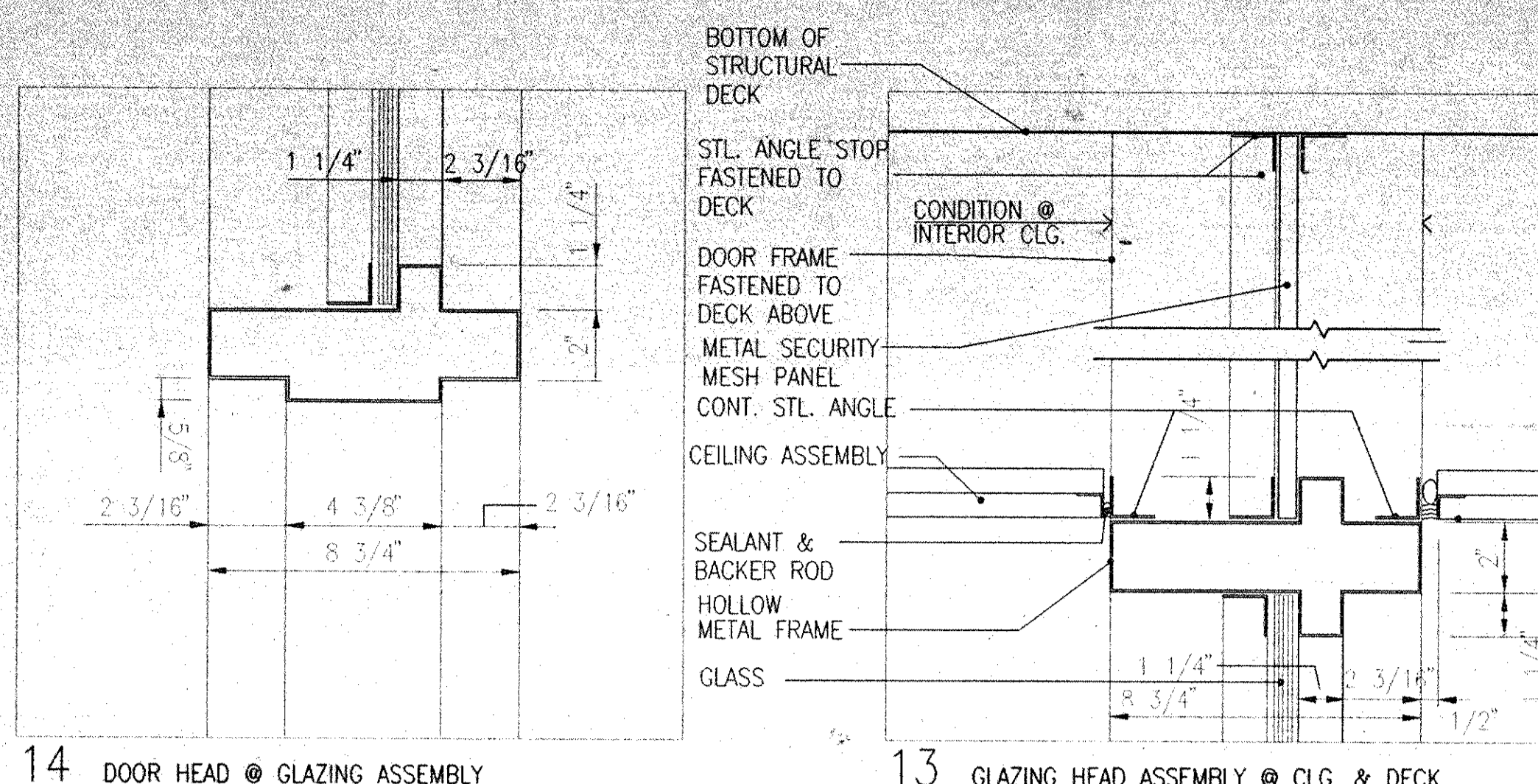
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5	08.05.94	GENERAL REVISIONS
4	04.29.94	BID ISSUE
3	04.15.94	ADDENDUM 4.1
2	03.31.94	C.M. REVIEW ISSUE
1	03.21.94	PROGRESS ISSUE

Drawn By	Date
RF	3.7.94
Checked By	Date
RFG	3.15.94
Issue Date	21 MARCH 1994
Scale	AS NOTED
Key Plan	Key Plan



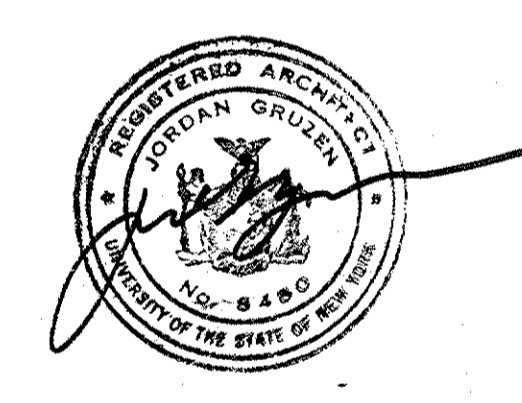
Drawing Title
SECURITY HOLLOW METAL SCHEDULE & DETAILS

Project No. 91-1286
Drawing No. A156



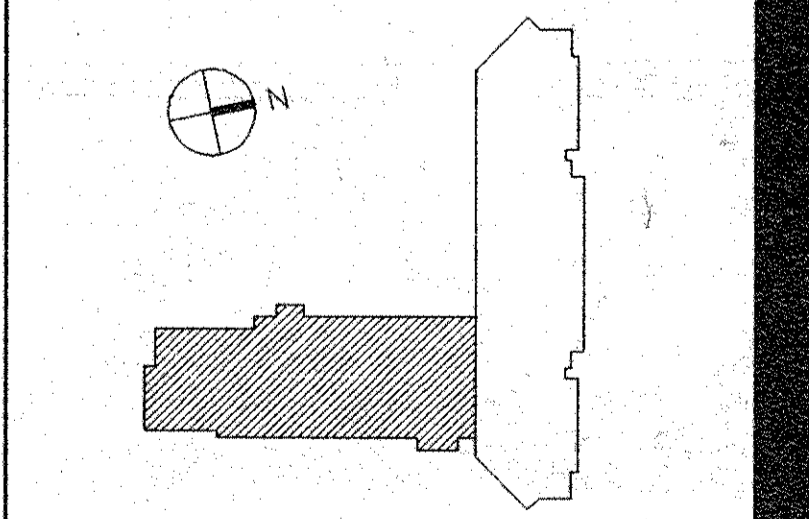
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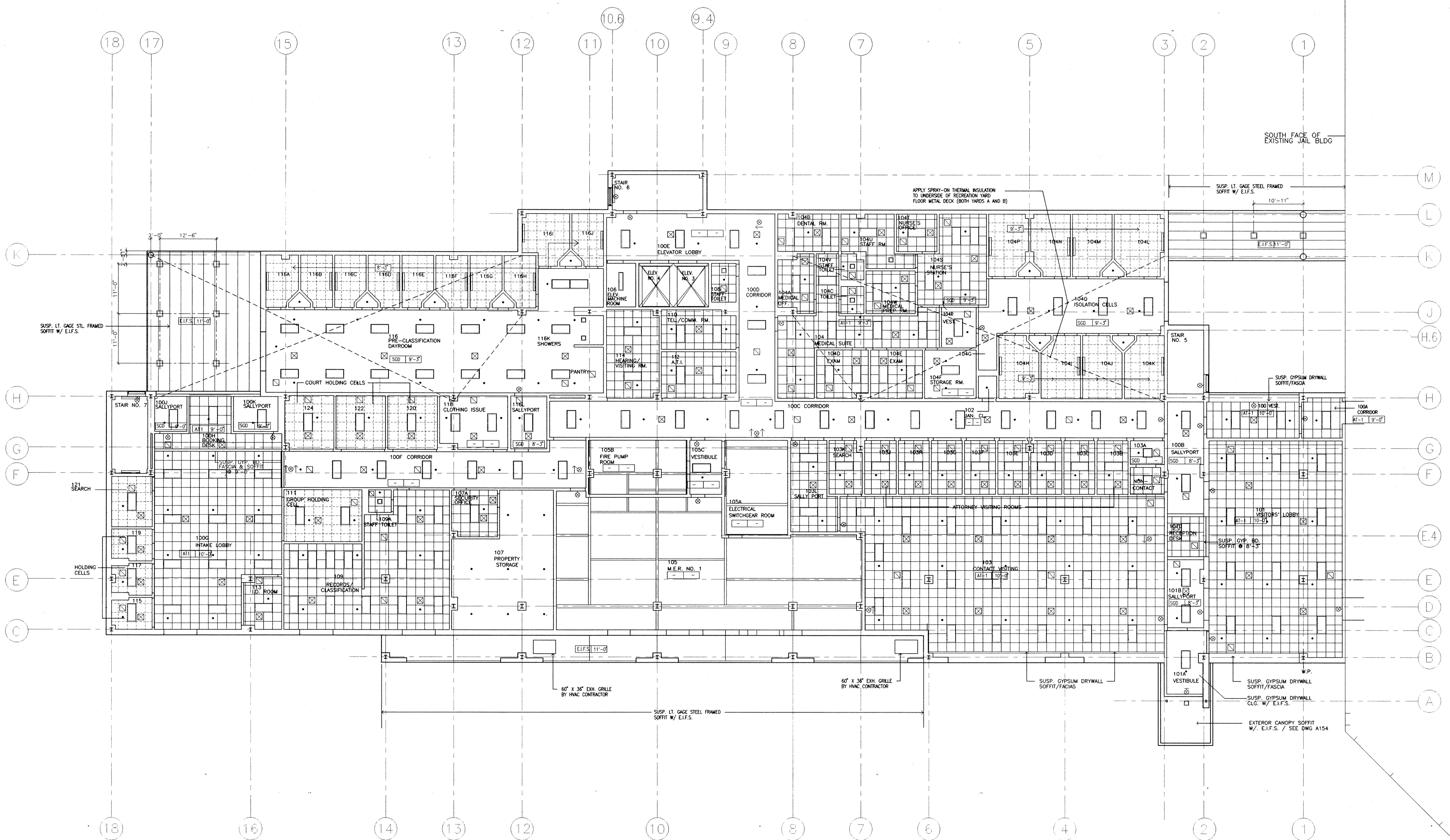


No.	Date	Revision
4	08.05.94	GENERAL REVISIONS
3	04.29.94	BID ISSUE
2	04.15.94	ADDENDUM 4.1
1	03.21.94	PROGRESS ISSUE

Drawn By: RF Date: 3.9.94
 Checked By: RFG Date: 3.12.94
 Issue Date: 21 MARCH 1994
 Scale: 3" = 1' 0"
 Key Plan



Drawing Title
SECURITY HOLLOW METAL DETAILS



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No.	Date	Revision
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3	08.05.94	GENERAL REVISIONS
2	04.29.94	BID ISSUE
1	03.21.94	COST ESTIMATE ISSUE

Drawn By: RF/SB
 Checked By: RFG
 Issue Date: 05 AUGUST 1994
 Scale: 1/8" = 1' 0"
 Key Plan:

- NOTES:
1. CEILING HEIGHT SHALL BE 9'-3" A.F.F. UNLESS OTHERWISE NOTED
 2. TOILET ROOMS CEILING HEIGHT SHALL BE 8'-3" A.F.F.
 3. NO SUSPENDED CEILINGS ARE REQUIRED IN FIRE STAIRS& M.E.R. NO. 1
- 2'x2' SUSPENDED ACOUSTICAL PANEL CEILING: AT1
 - 2'x2' SUSPENDED METAL SECURITY PANEL CEILING: MSC
 - SUSPENDED SECURITY GYPSUM DRYWALL CEILING: SGD

Drawing Title
**NEW BUILDING
 FIRST FLOOR
 REFLECTED
 CEILING PLAN**

Dutchess County Jail

Phase 3 Addition & Renovations
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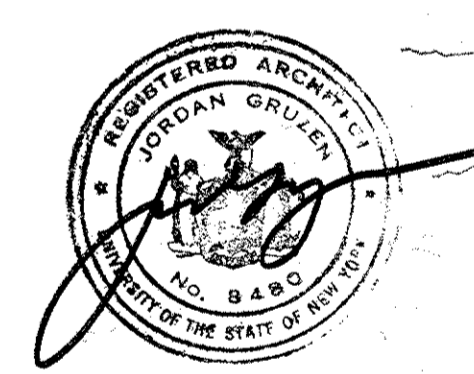
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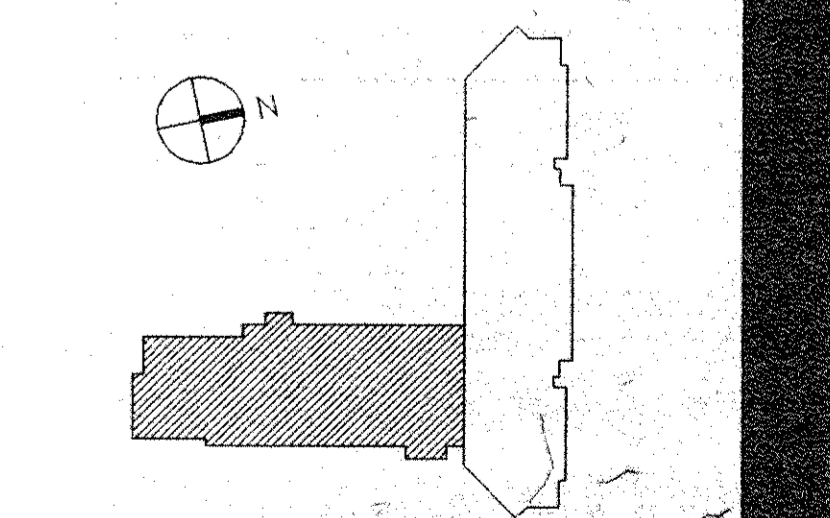
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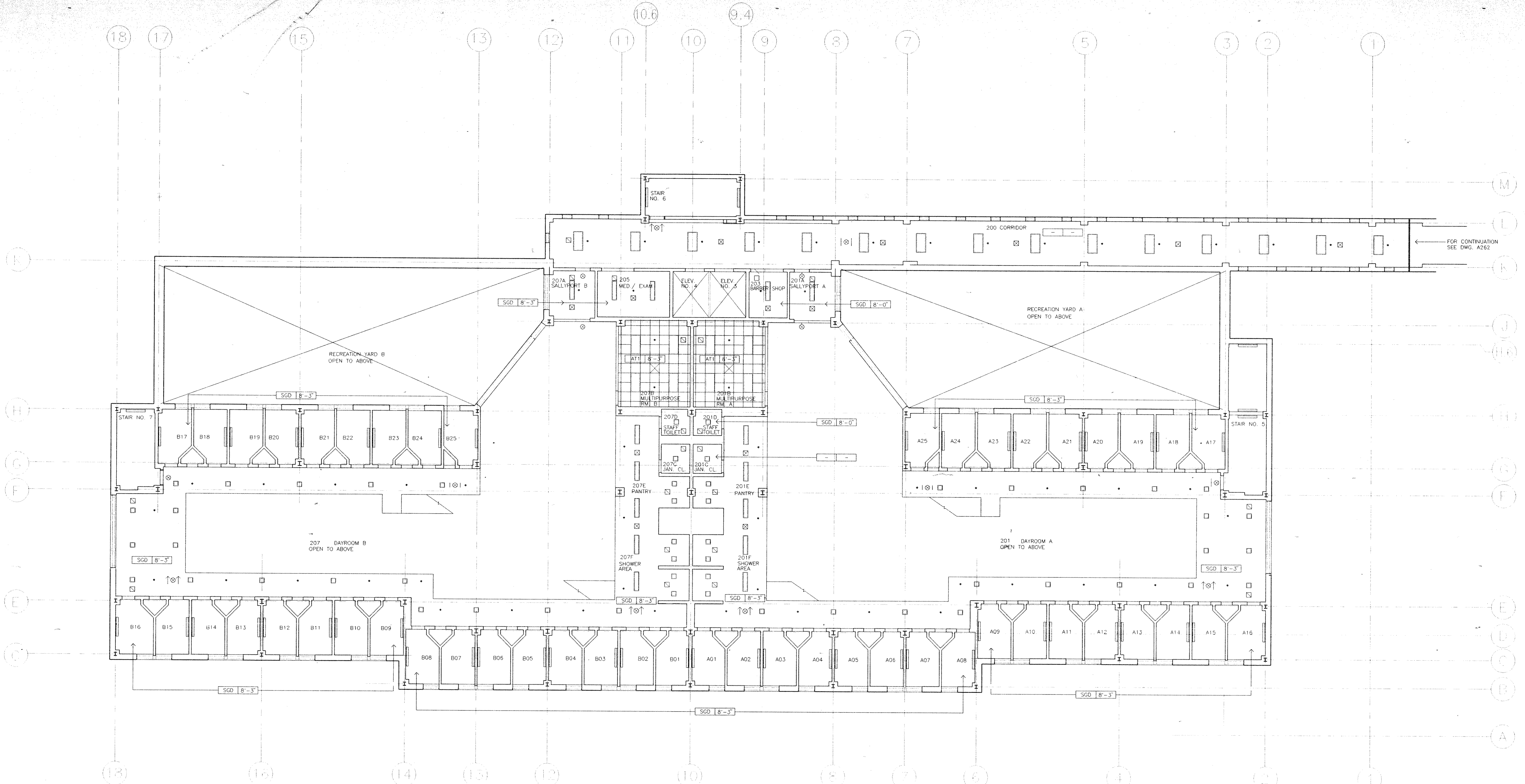
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3	08.05.94	GENERAL REVISIONS
2	04.29.94	BID ISSUE
1	03.21.94	COST ESTIMATE ISSUE

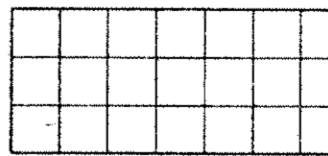
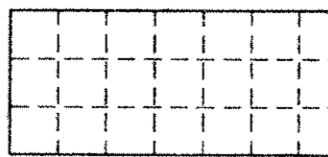

Drawn By	Date
RF/SB	
Checked By	Date
RFG	
Issue Date	03.21.94
Scale	1/8" = 1' 0"
Key Plan	



Drawing Title
NEW BUILDING
SECOND FLOOR
REFLECTED
CEILING PLAN

CS Project No. 91-1286
RA Project # 99301.00
Drawing No.



-  2'x2' SUSPENDED ACOUSTICAL PANEL CEILING: AT1
-  2'x2' SUSPENDED METAL SECURITY PANEL CEILING: MSC
-  SUSPENDED SECURITY GYPSUM DRYWALL CEILING: SGD

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
 Fax 914/431-1869
 Tel 914/431-2121

Construction Manager
 R.C.K./C.R.S.S.
 123 Bombout Avenue
 P.O. Box 790
 Beacon, N.Y. 12508
 Fax 914/831-6071
 Tel 914/831-0943

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 Tel 212/477-0900

Associated Architects
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 Tel 212/563-9154

Structural Engineers
 DeSimone, Chaplin & Dobryn P.C.
 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211

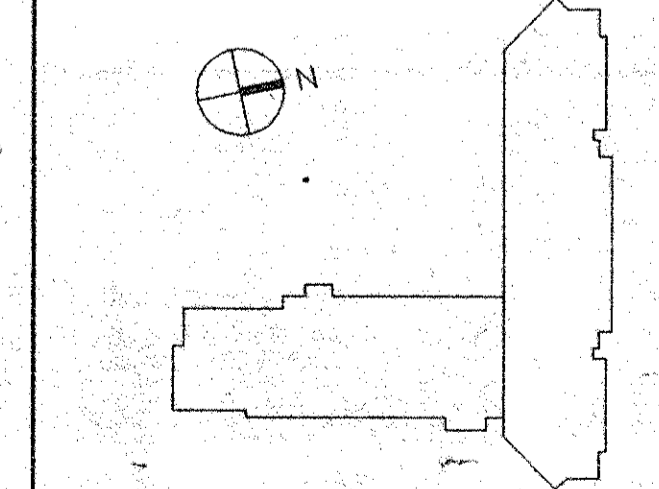
Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
 Fax 212/730-6425
 Tel 212/382-1800

Civil Engineers
 Paggi & Martin
 54-56 Main Street
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No.	Date	Revision
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2	04.29.94	BID ISSUE
1	03.21.94	COST ESTIMATE ISSUE

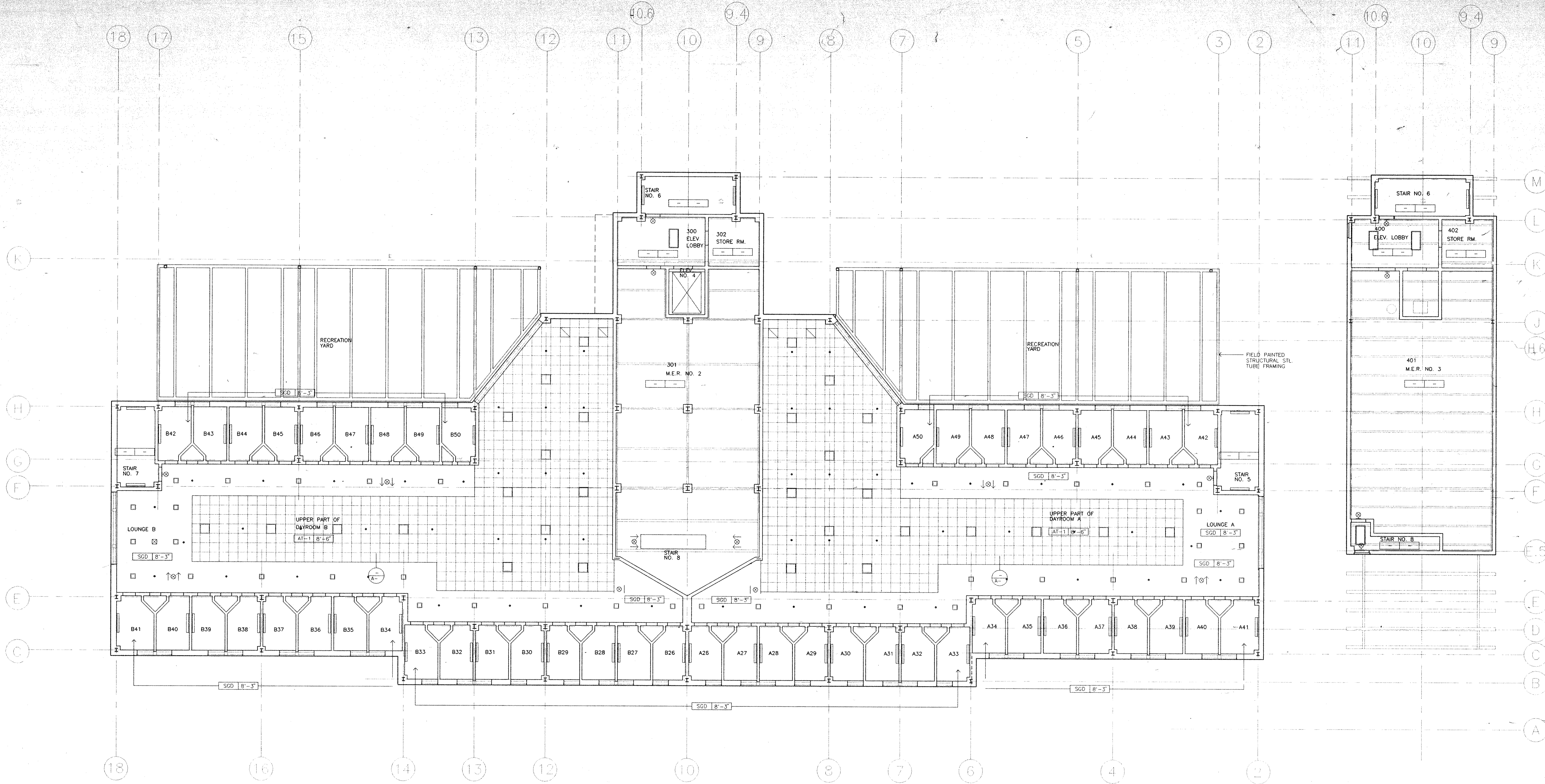
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03.21.94	
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Key Plan	

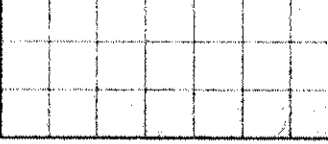
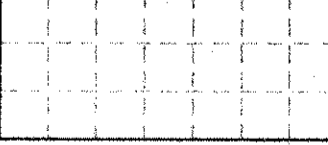
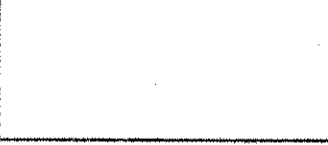


Drawing Title
 NEW BUILDING
 THIRD FLOOR
 REFLECTED
 CEILING PLAN

CS Project No. 91-1286
 RA Project # 99301.00
 Drawing No.

A163 132



-  2'x2' SUSPENDED ACOUSTICAL PANEL CEILING: AT1
-  2'x2' SUSPENDED METAL SECURITY PANEL CEILING: MSC
-  SUSPENDED SECURITY GYPSUM DRYWALL CEILING: SGD

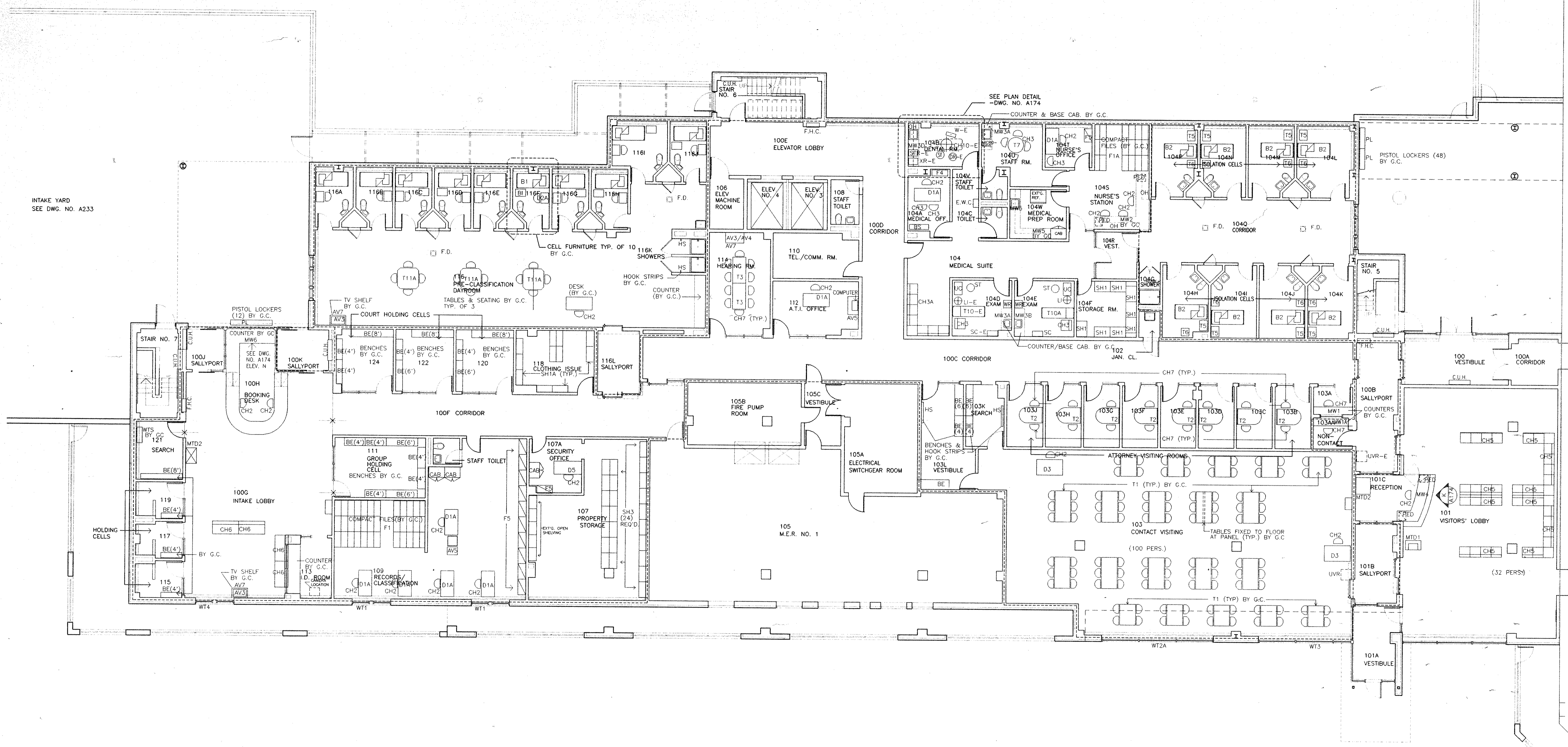
NEW BUILDING PENTHOUSE
 REFLECTED CEILING PLAN

UNIT B UNIT A

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
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Construction Manager
 R.C.K./C.R.S.S.
 123 Rombout Avenue
 P.O. Box 790
 Beacon, N.Y. 12508
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INTAKE YARD
 SEE DWG. NO. A233

SOUTH FACE OF
 EXISTING JAIL BUILDING

NOTE: G.C. = GENERAL WORKS CONTRACTOR

Architects Planners & Interior Designers
 Cruzen Samton
 304 Park Avenue South
 New York, NY 10010
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 Tel 212/477-0900

Associated Architects
 Rice Associates
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 New York, NY 10001
 Fax 212/268-5897
 Tel 212/563-9154

Structural Engineers
 DeSimone, Chaplin & Dobryn P.C.
 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
 Tel 212/532-2211

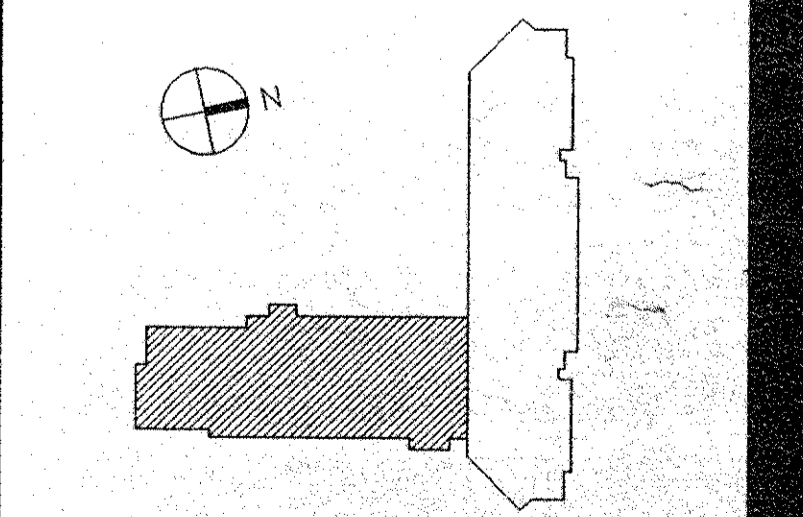
Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
 Fax 212/730-6425
 Tel 212/382-1800

Civil Engineers
 Paoli & Martin
 54-56 Main Street
 Poughkeepsie, New York 12601
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 Tel 914/471-7898



- 4 09.09.94 ADDENDUM 9.2
- 3 08.17.94 GENERAL REVISION ISSUE
- 2 05.12.94 ISSUE FOR OWNERS FINAL REVIEW
- 1 04.15.94 COST ESTIMATE ISSUE

No.	Date	Revision
Drawn By	Date	
RF/SB	04.15.94	
Checked By	Date	
REC		
Issue Date		
04.15.94		
Scale		
1/8" = 1' 0"		
Key Plan		



Drawing Title
 NEW BUILDING
 FIRST FLOOR
 FF/E PLAN

CS Project No. 91-1298
 RA Project # 20361.00
 Drawing No.

A171

Dutchess County Jail

Phase 3 Addition & Renovations
150 N. Hamilton St.
Poughkeepsie, N.Y. 12602

Owner
County of Dutchess
Department of Public Works
22 Market Street
Poughkeepsie, N.Y. 12601
Fax 914/431-1869
Tel 914/431-2121

Construction Manager
R.C.K.C.R.S.S.
123 Rombout Avenue
P.O. Box 790
Beacon, N.Y. 12508
Fax 914/831-6071
Tel 914/831-0943

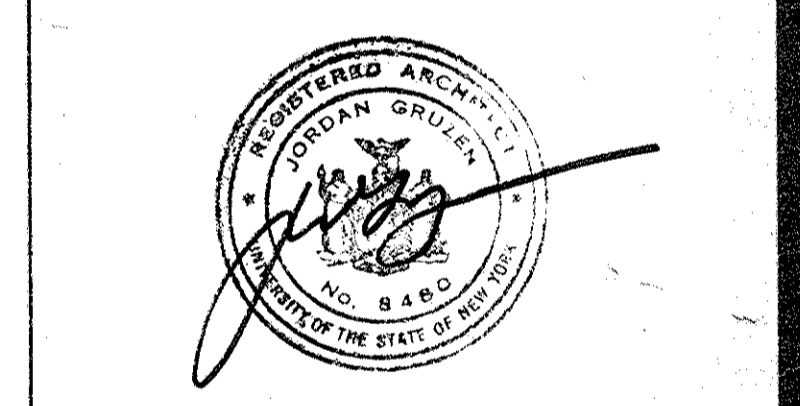
Architects Planners & Interior Designers
Cruzen Samton
304 Park Avenue South
New York, NY 10001
Fax 212/477-1257
Tel 212/477-0900

Associated Architects
Ricci Associates
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Tel 212/532-2211

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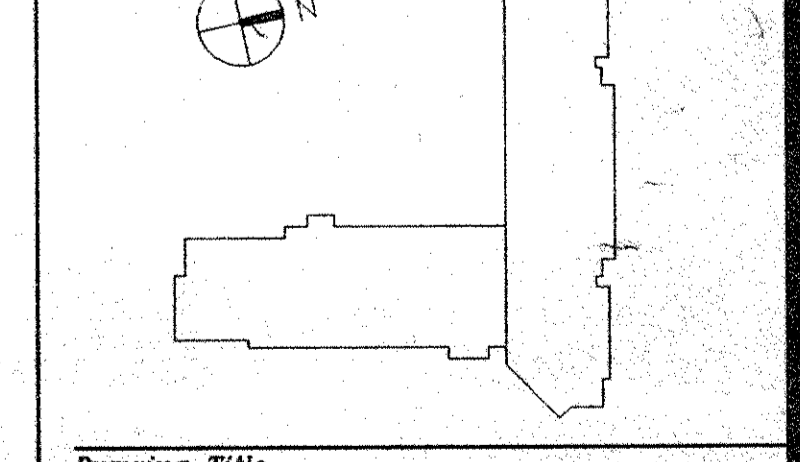
No. Date Revision

Drawn By Date

Checked By Date

Issue Date

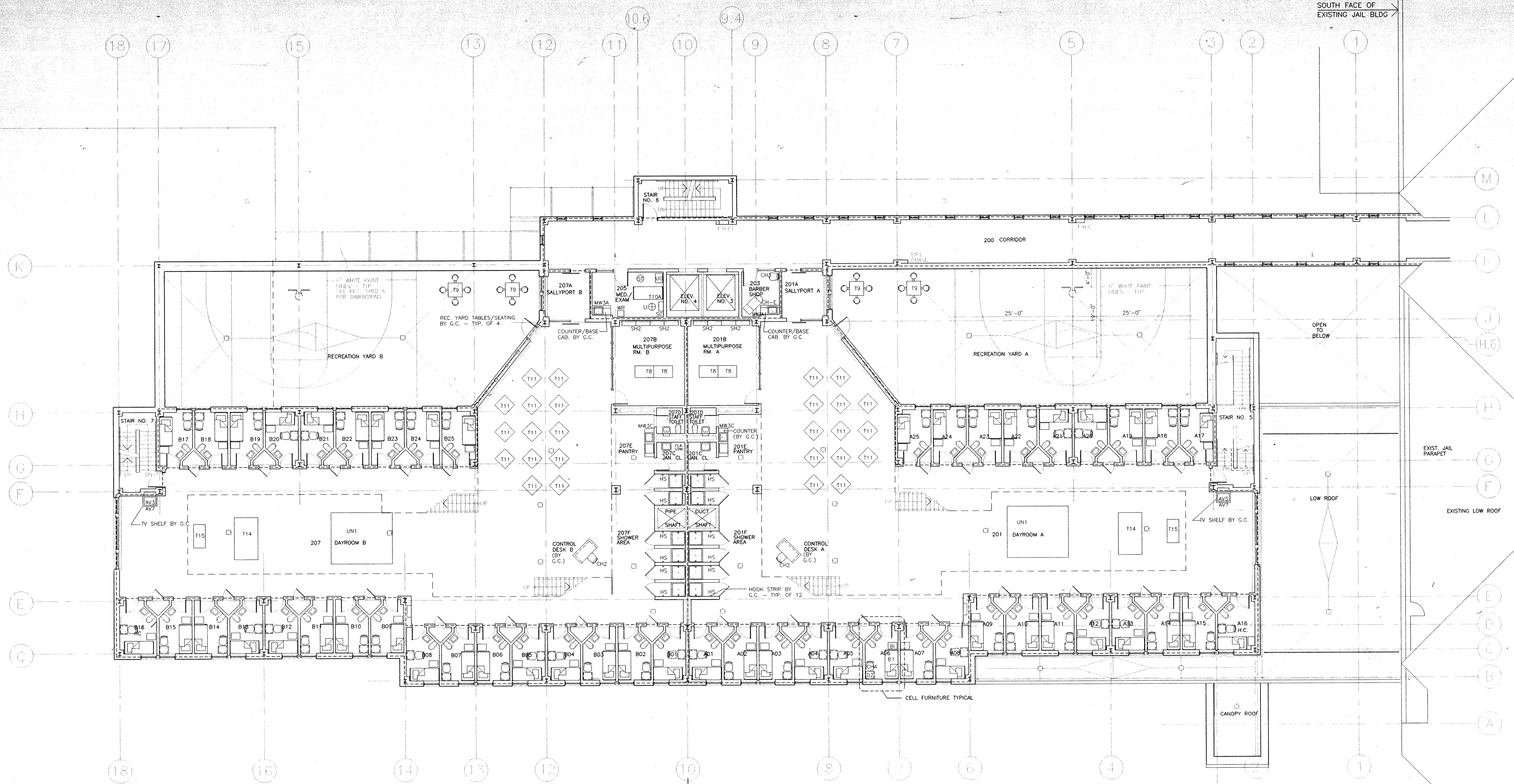
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Drawing Title
**NEW BUILDING
SECOND FLOOR
FF/E PLAN**

CS Project No. 91-1286
RA Project # 99301.00
Drawing No.

A172



HOUSING UNIT B HOUSING UNIT A

CS Project No. 91-1286
RA Project # 99301.00
Drawing No.

A172

Dutchess County Jail

Phase 3 Addition & Renovations
150 N. Hamilton St.
Poughkeepsie, N.Y. 12602

Owner
County of Dutchess
Department of Public Works
22 Market Street
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Construction Manager
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123 Kornhout Avenue
P.O. Box 790
Beacon, N.Y. 12508
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Tel 914/831-0943

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Tel 212/477-0900

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New York, NY 10001
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Tel 212/563-9154

Structural Engineers
DeSimone, Chapin & Dobryn P.C.
20 Waterside Plaza
New York, NY 10010
Fax 212/481-6108
Tel 212/532-2211

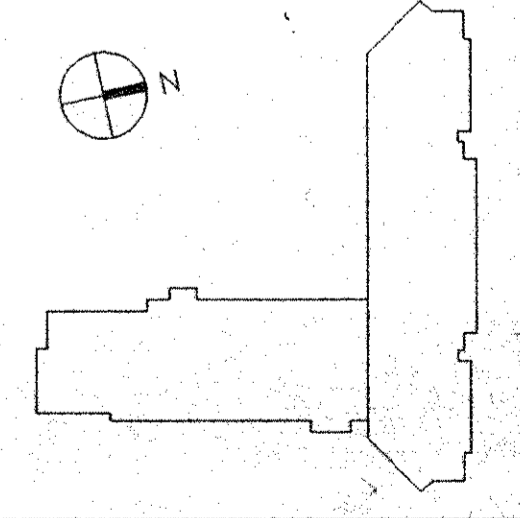
Mechanical/Electrical Engineers
Kallen & Lemelson
1430 Broadway
New York, N.Y. 10018
Fax 212/730-6425
Tel 212/382-1800

Civil Engineers
Paggi & Martin
54-56 Main Street
Poughkeepsie, New York 12601
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4	09.09.94	ADDENDUM 9.2
3	08.17.94	GENERAL REVISION ISSUE
2	05.12.94	ISSUE FOR OWNERS FINAL REVIEW
1	04.15.94	COST ESTIMATE ISSUE

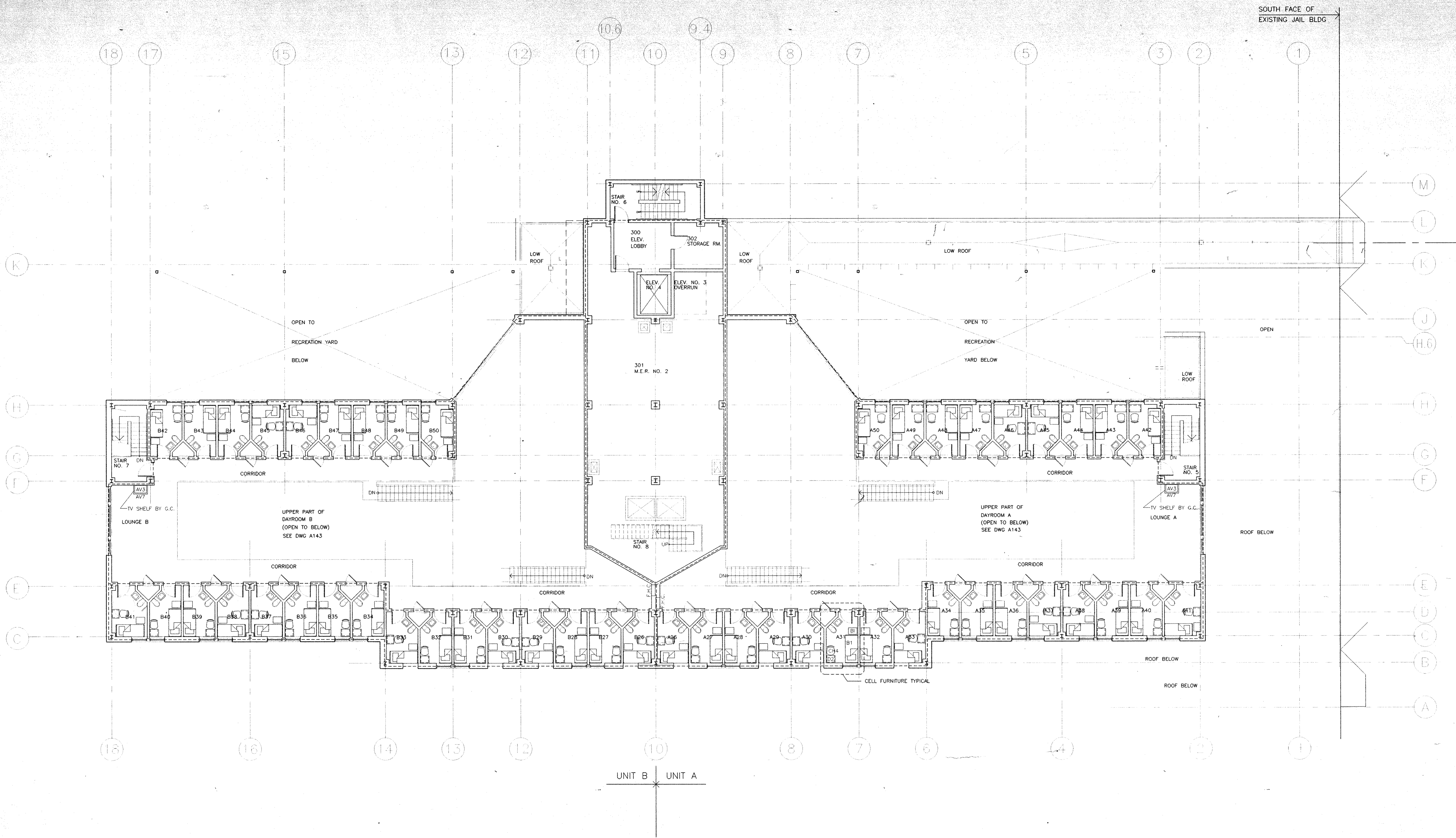
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Drawn By		Date
RF/SB		
Checked By		Date
RFG		
Issue Date		
04.15.94		
Scale		
1/8" = 1'-0"		
Key Plan		



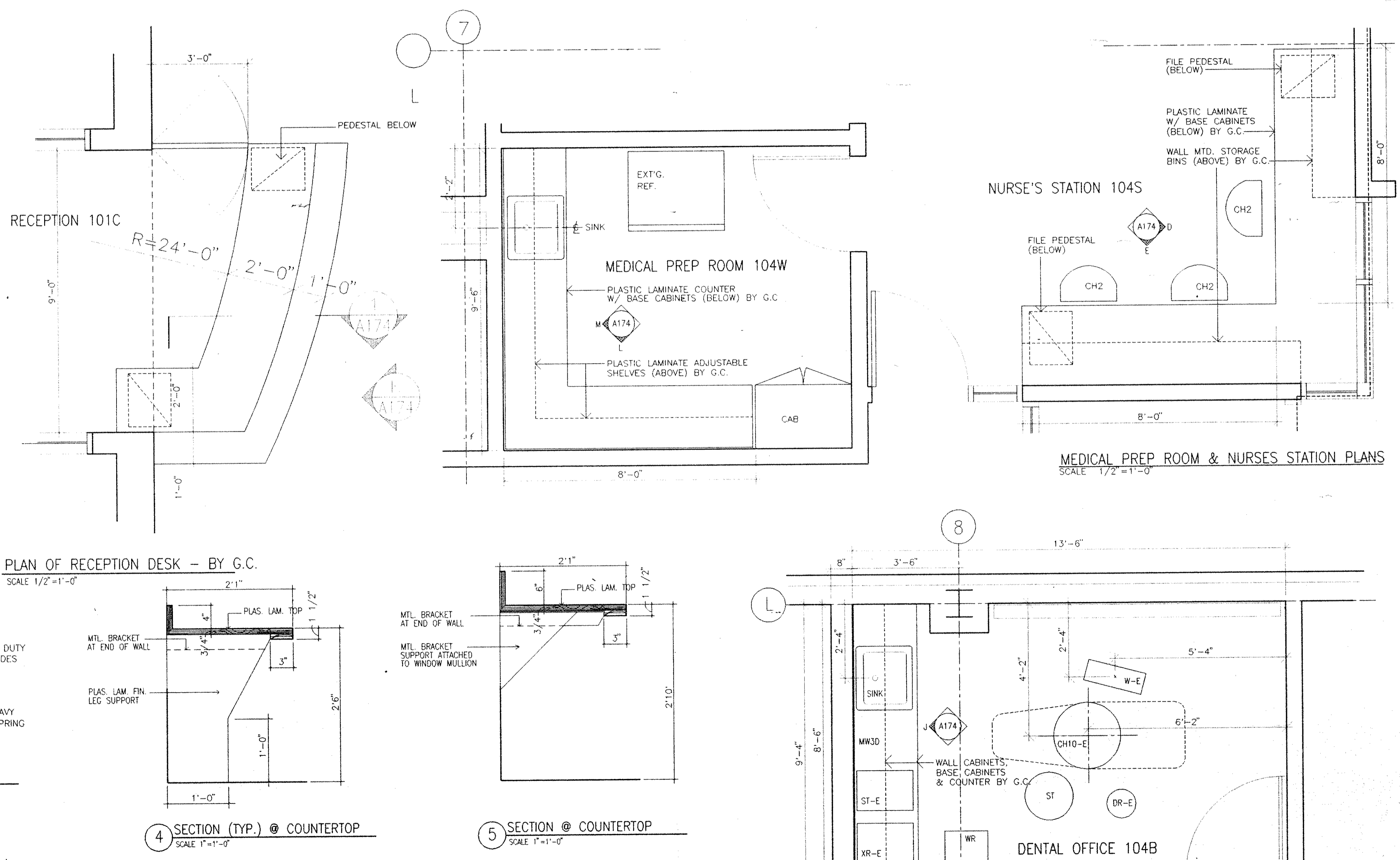
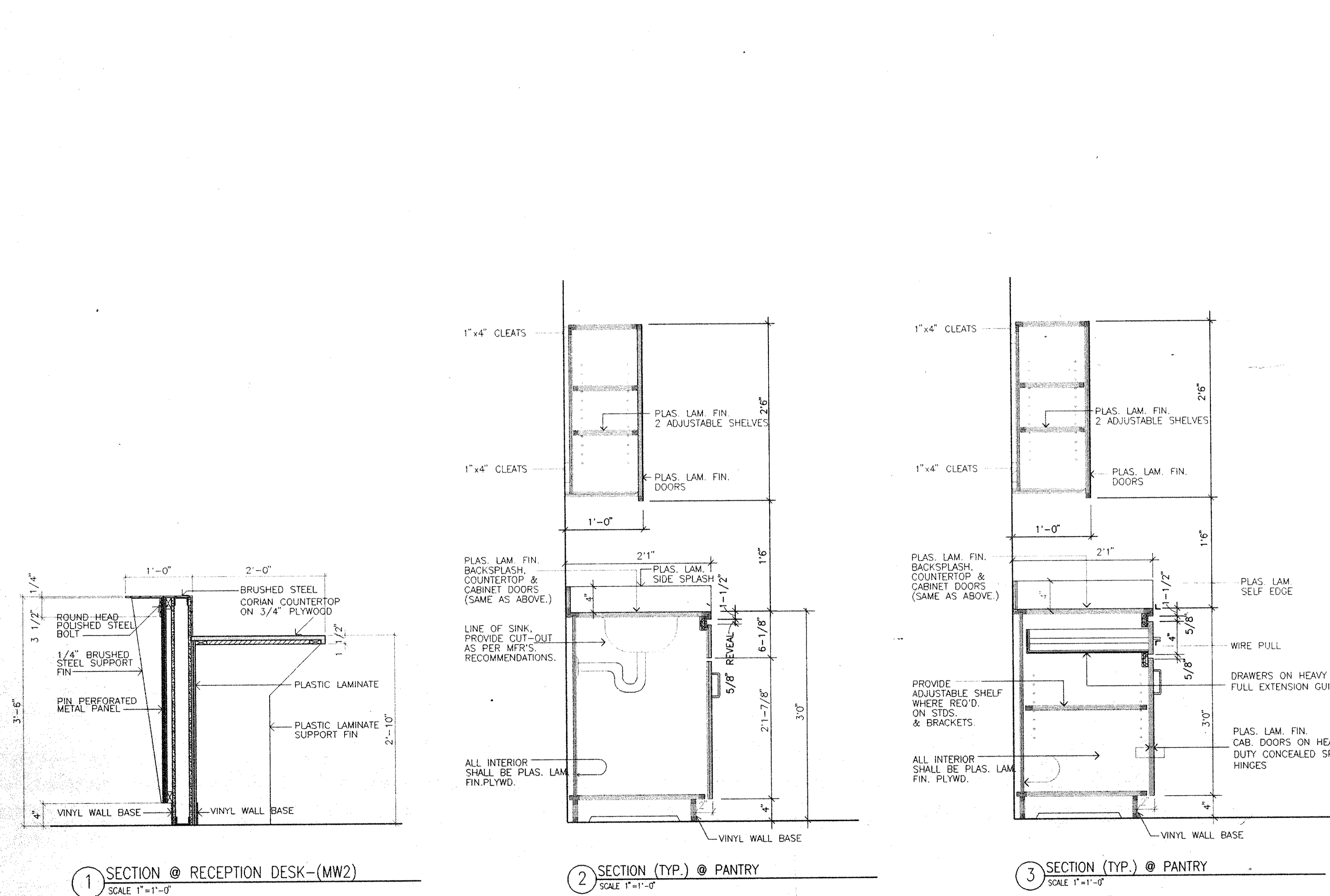
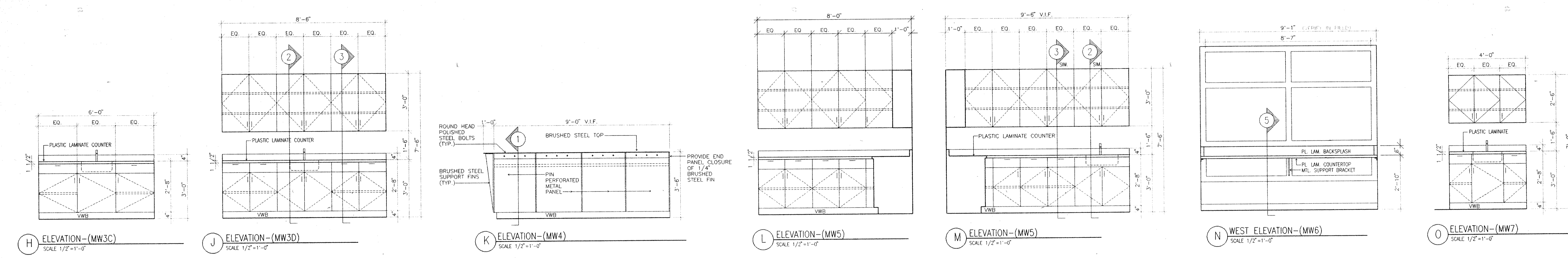
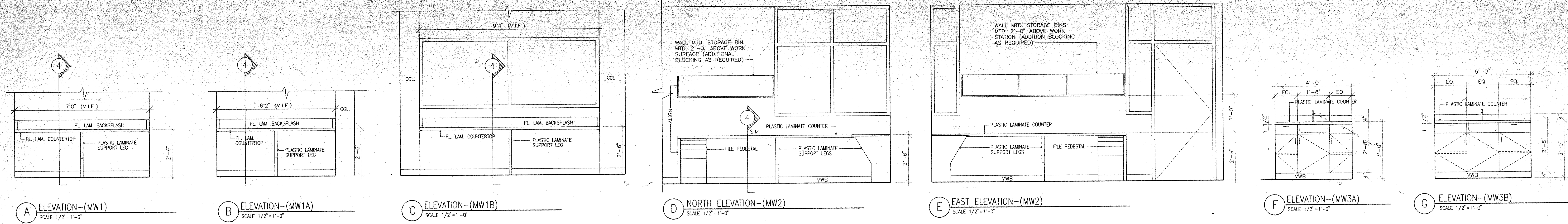
Drawing Title
**NEW BUILDING
THIRD FLOOR
FF/E PLAN**

CS Project No. 91-1288
RA Project # 99301.00
Drawing No.

A173



NOTE: G.C. = GENERAL WORKS CONTRACTOR



NOTE: G.C. = GENERAL WORKS CONTRACTOR

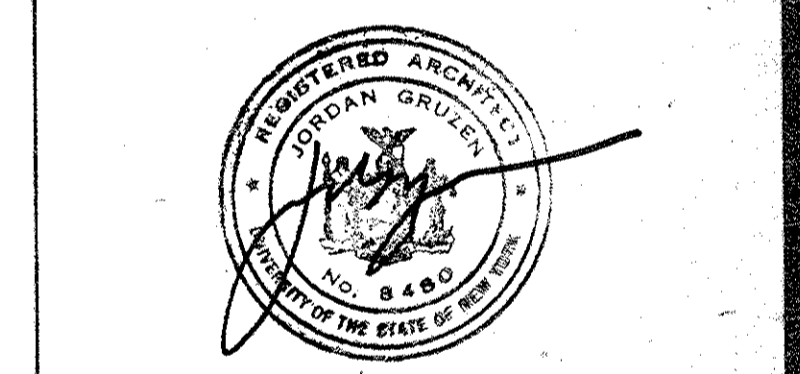
Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602
Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
 Fax 914/431-1869
 Tel 914/431-2121
Construction Manager
 R.C.K./C.R.S.S.
 123 Roubout Avenue
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 Tel 914/831-0943

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 Crusen Samton
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 Tel 212/477-0900
Associated Architects
 Ricci Associates
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 New York, NY 10001
 Fax 212/268-5897
 Tel 212/563-9154

Structural Engineers
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 20 Waterside Plaza
 New York, NY 10010
 Fax 212/481-6108
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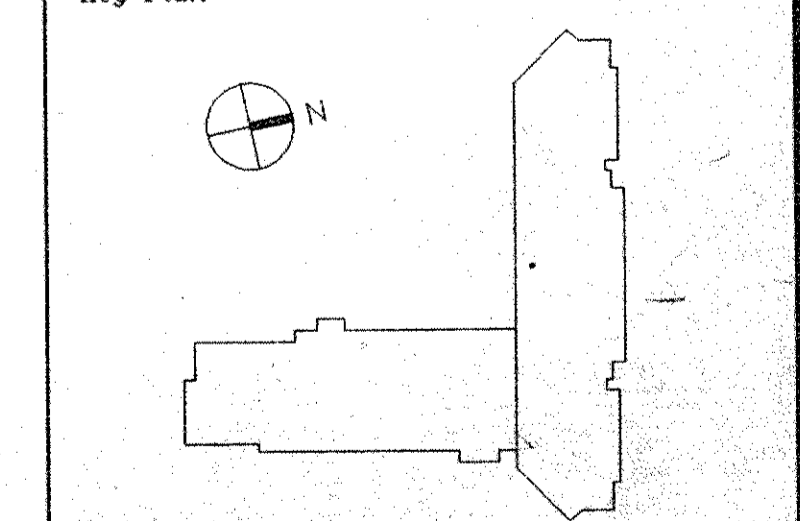
Mechanical/Electrical Engineers
 Kallen & Lemelson
 1430 Broadway
 New York, N.Y. 10018
 Fax 212/730-6425
 Tel 212/382-1800

Civil Engineers
 Paggi & Martin
 54-56 Main Street
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 Tel 914/471-7898



- 4. 09.09.94 ADDENDUM 9.2
- 3. 08.17.94 GENERAL REVISION ISSUE
- 2. 05.12.94 ISSUE FOR OWNERS FINAL REVIEW
- 1. 04.15.94 COST ESTIMATE ISSUE

No.	Date	Revision
Drawn By	Date	
J.M./K.S.	04.15.94	
Checked By	Date	
N.L.	04.15.94	
Issue Date	04.15.94	
Scale	AS SHOWN	
Key Plan		



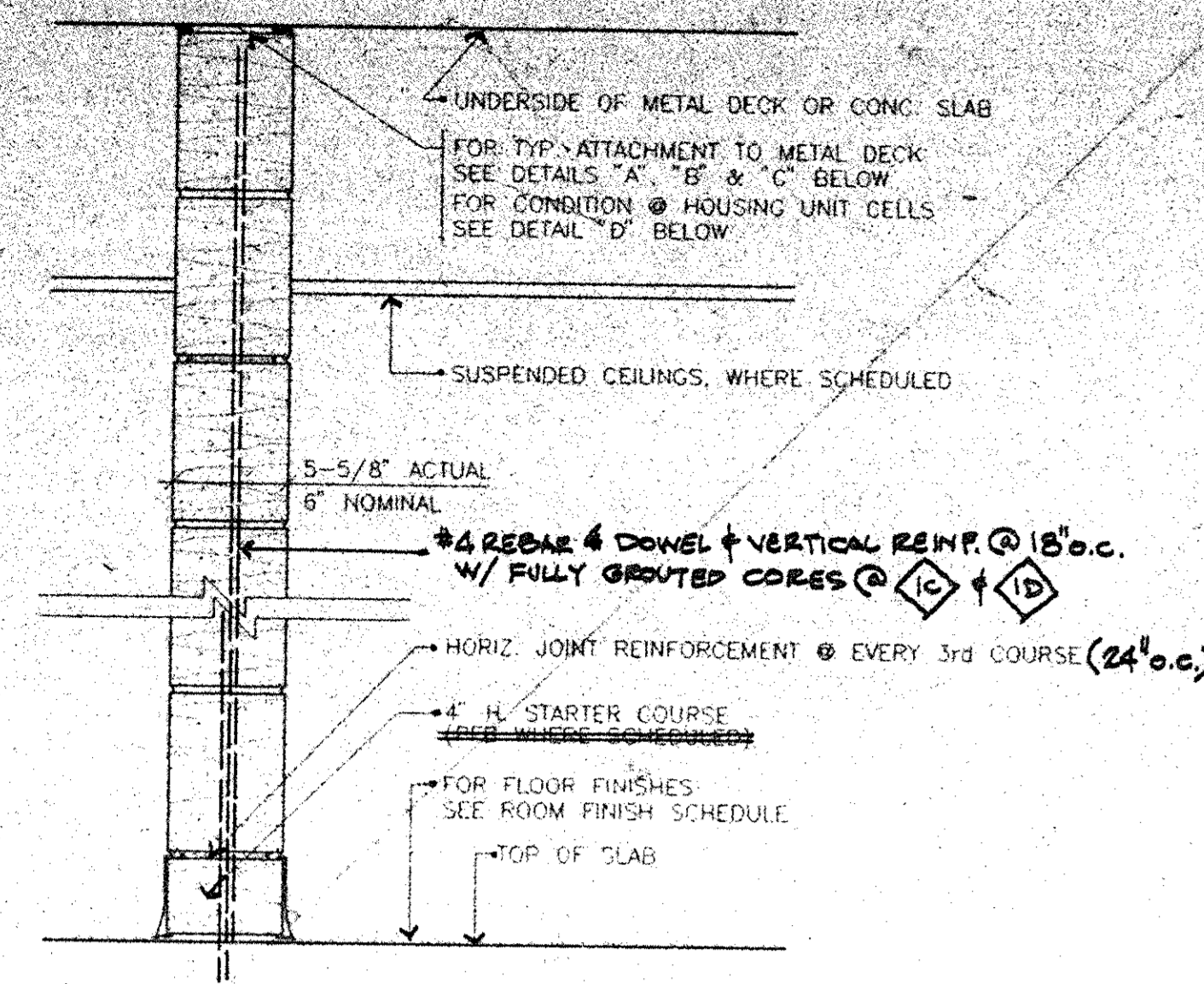
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 NEW BUILDING
 MILLWORK
 DETAILS

CS Project No. 91-1286
 54 Project # 09301.00
 Drawing No.

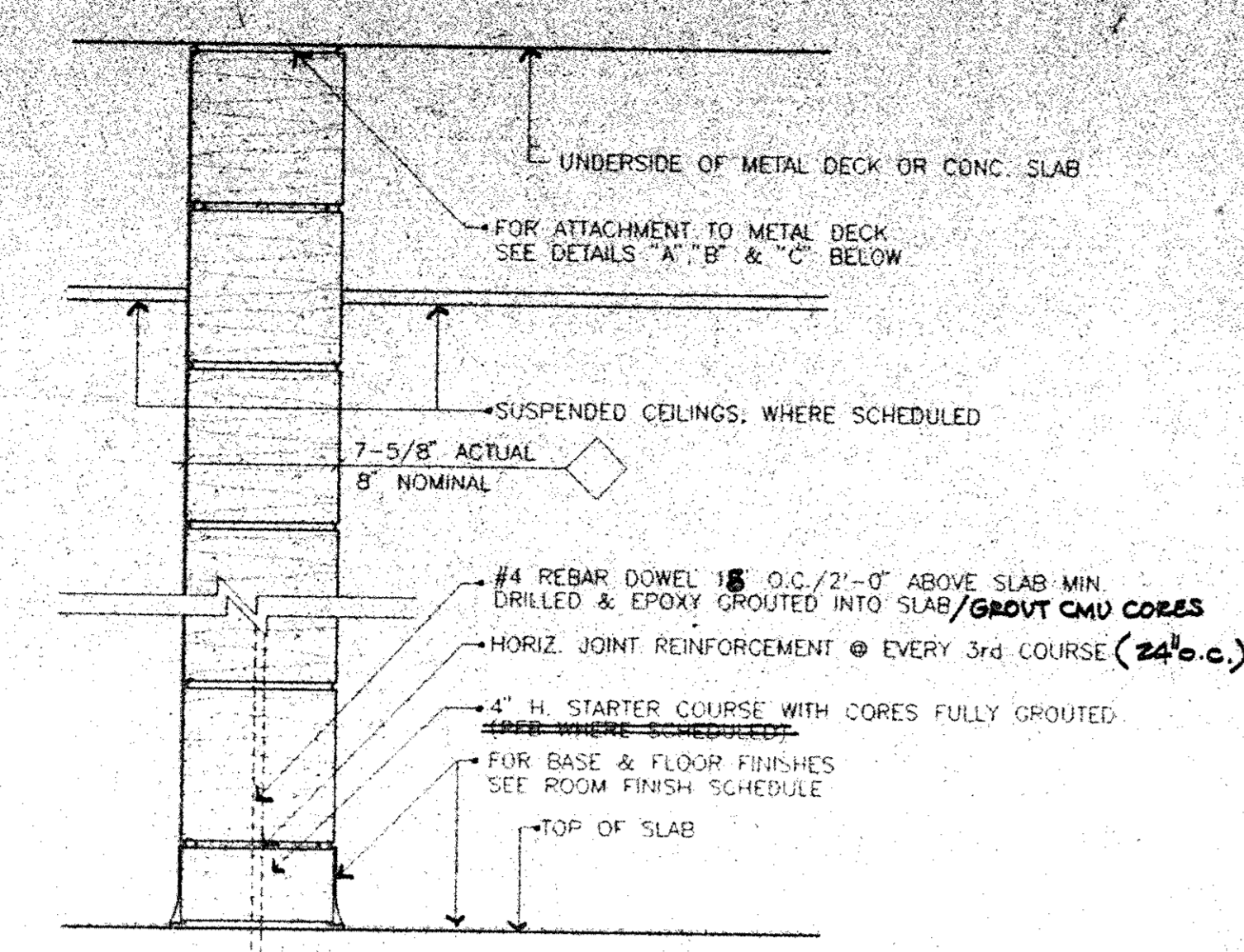
A174

Dutchess County
 Phase 3 Addition & Renovation
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602
 Owner:
 County of Dutchess
 Department of Public Works
 22 Market Street
 Poughkeepsie, N.Y. 12601
 Fax 914/431-1869
 Tel 914/431-2121

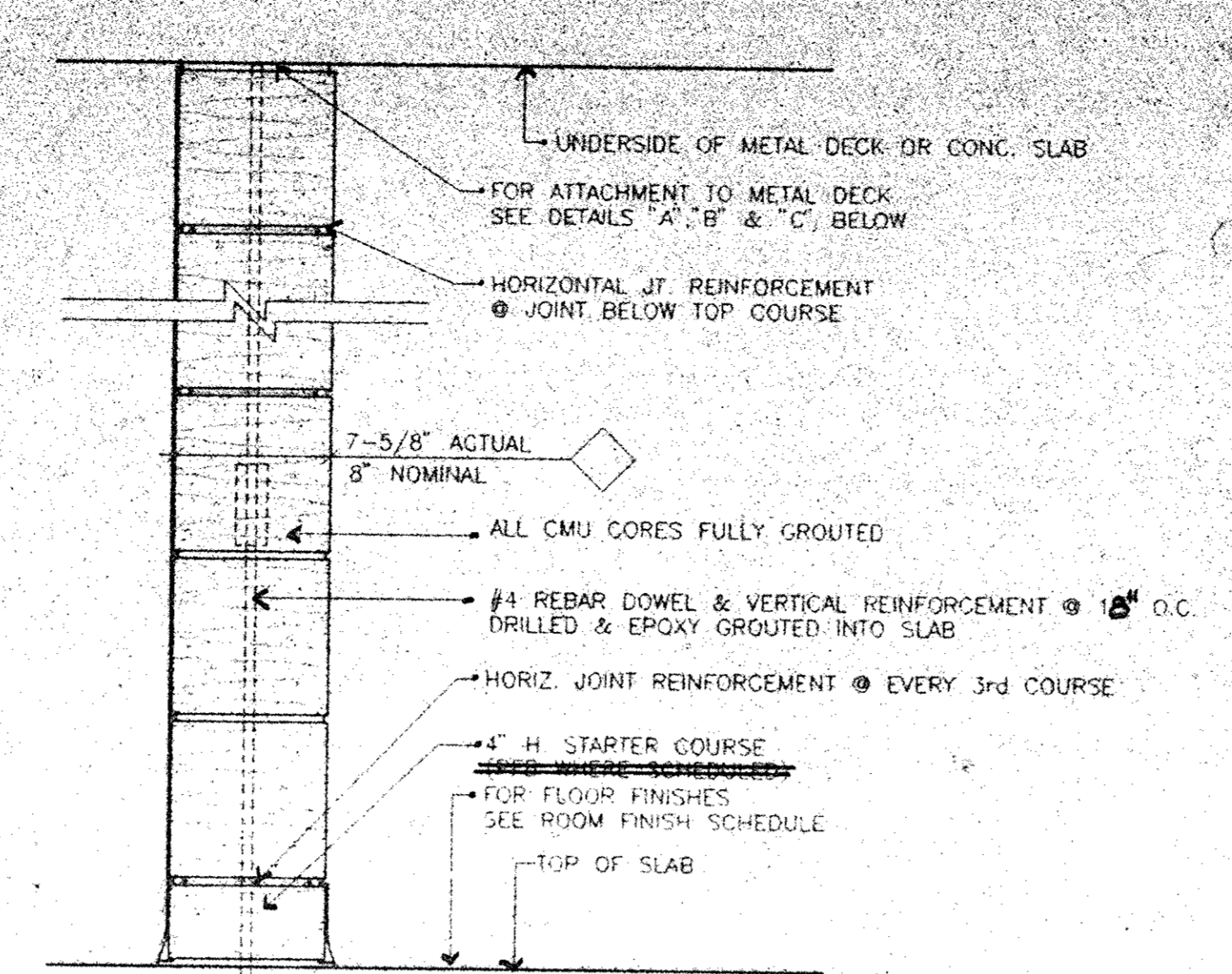
Construction Manager
 R.C.K./C.R.S.S.
 123 Rombout Avenue
 P.O. Box 790
 Beacon, N.Y. 12508
 Fax 914/831-6071
 Tel 914/831-0943



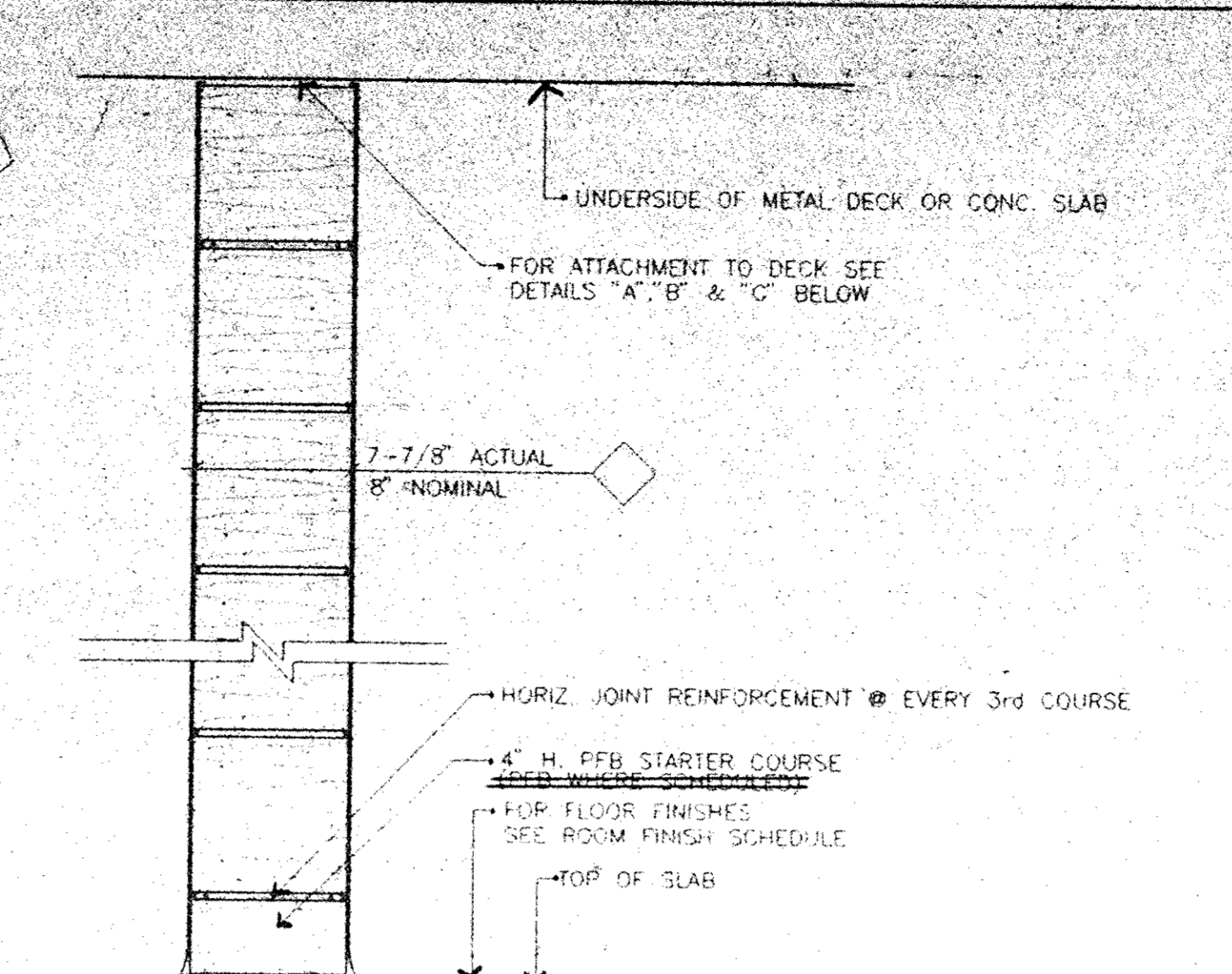
- 1A 6" CMU / NON SECURITY / 2 HR RATED
- 1B 6" CMU / NON SECURITY / NON RATED
- 1C 6" CMU / SECURITY / 2 HR RATED
- 1D 6" CMU / SECURITY / NON RATED



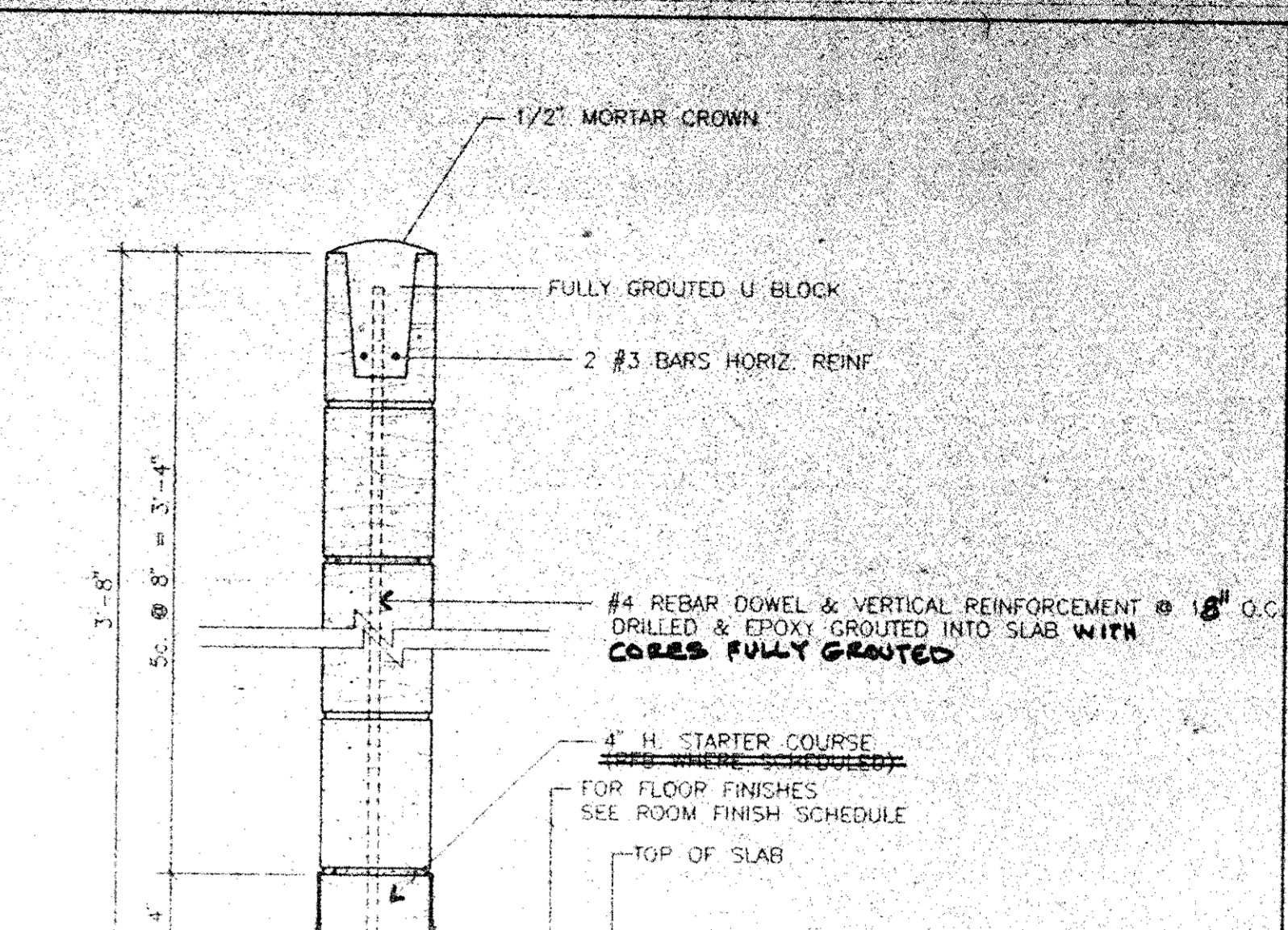
- 2A 8" CMU / NON SECURITY / 2 HR RATED
- 2B 8" CMU / NON SECURITY / NON RATED



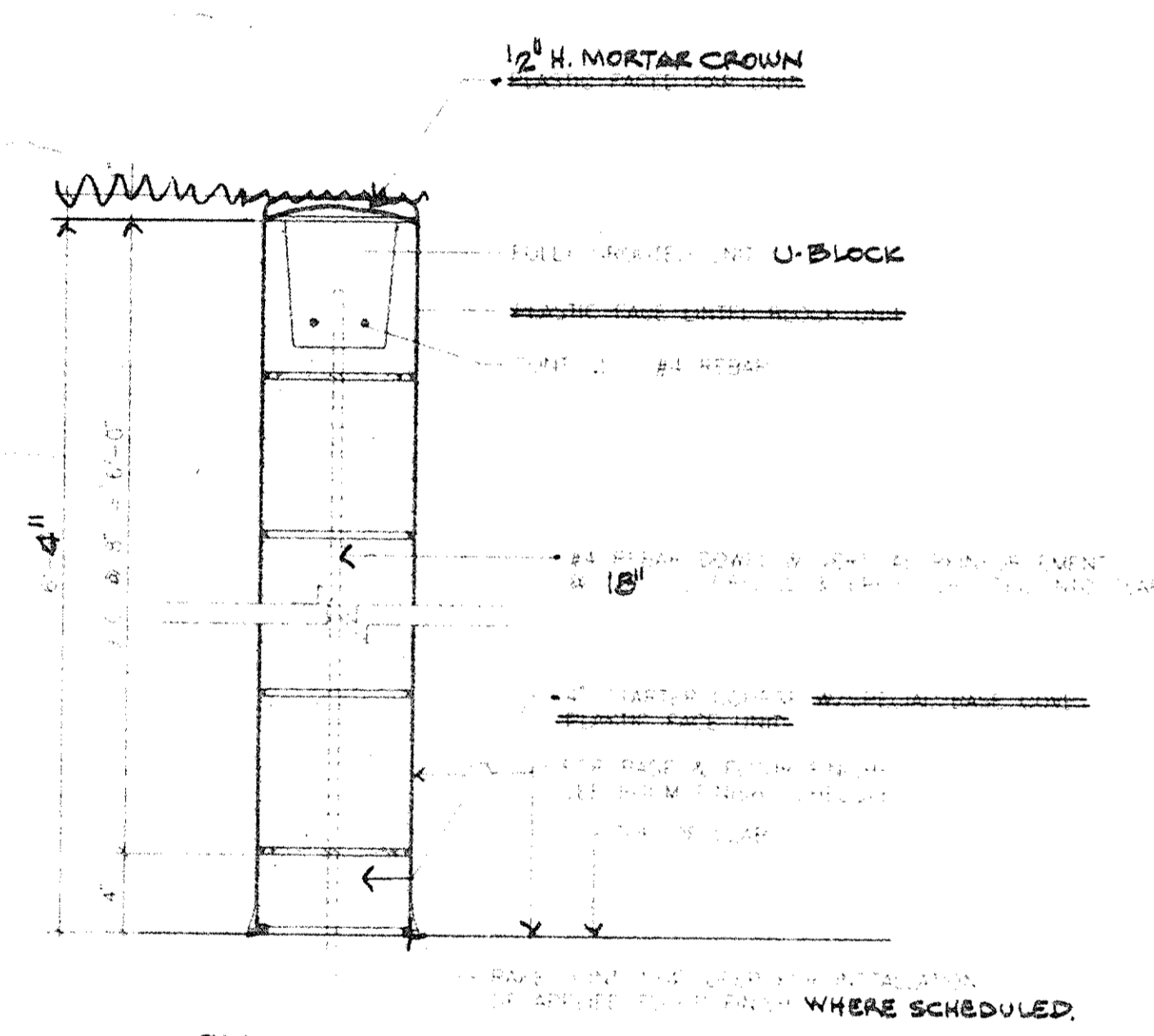
- 3A 8" CMU / FULL SIDE / SECURITY / 2 HR RATED
- 3B 8" CMU / SECURITY / 2 HR RATED (SAME AS 3A)
- 3C 8" CMU / BEARING WALL / RATED OR NON RATED
- 3D 8" CMU / SECURITY / NON RATED



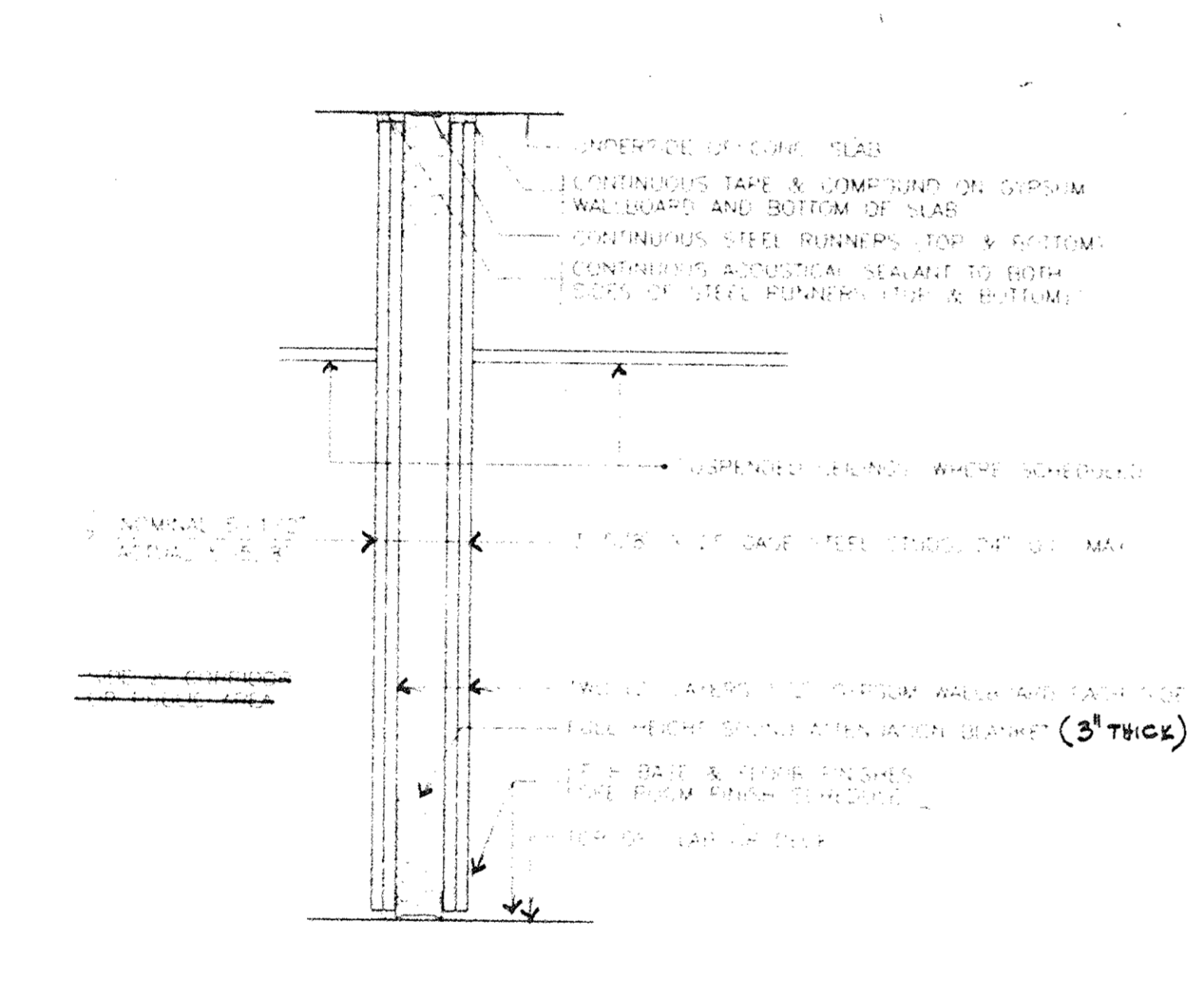
- 4 8" CMU / 2 SIDE / NON SECURITY / NON RATED (SAME AS 2B)



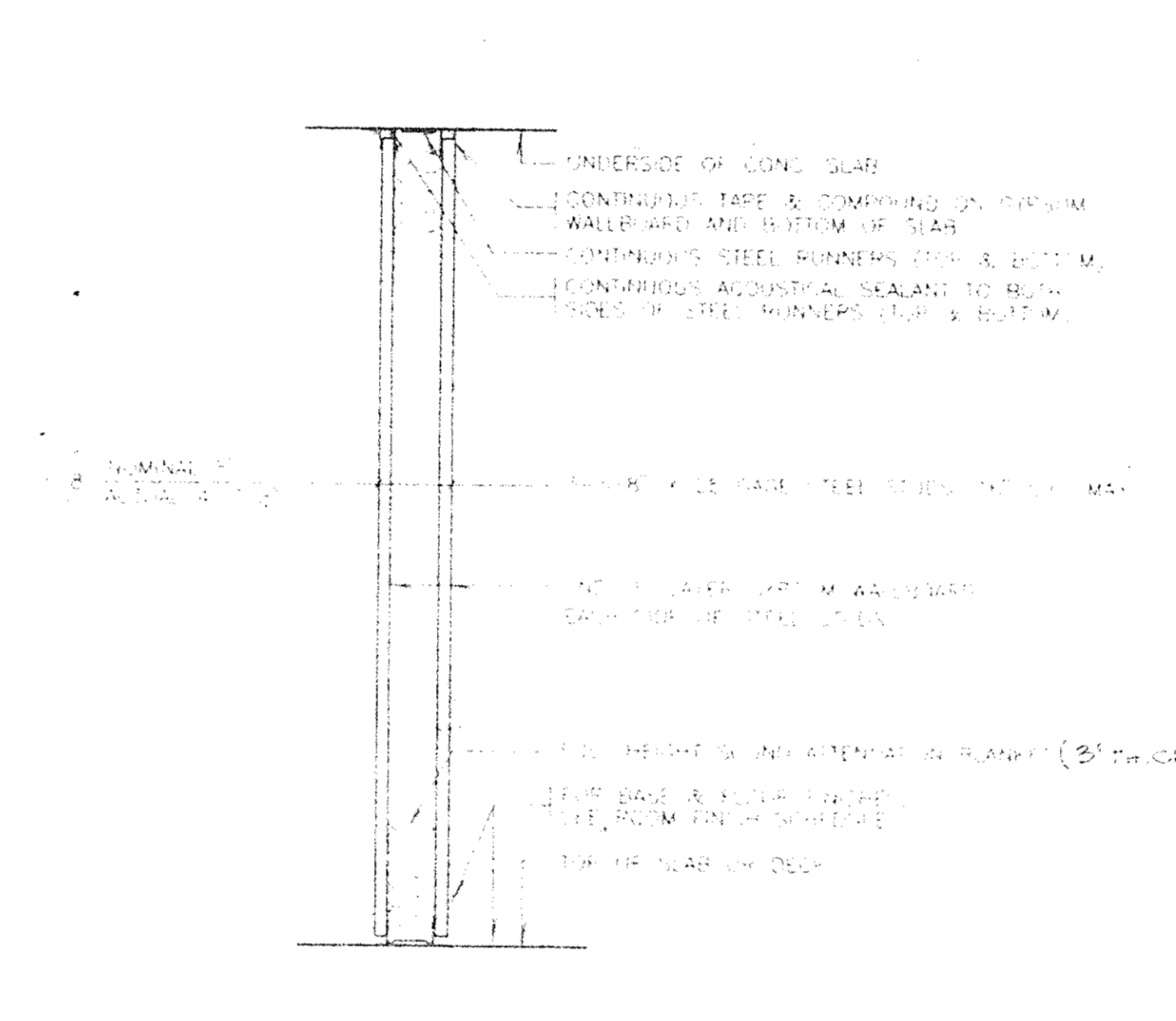
- 5 6" CMU LOW PARTITION



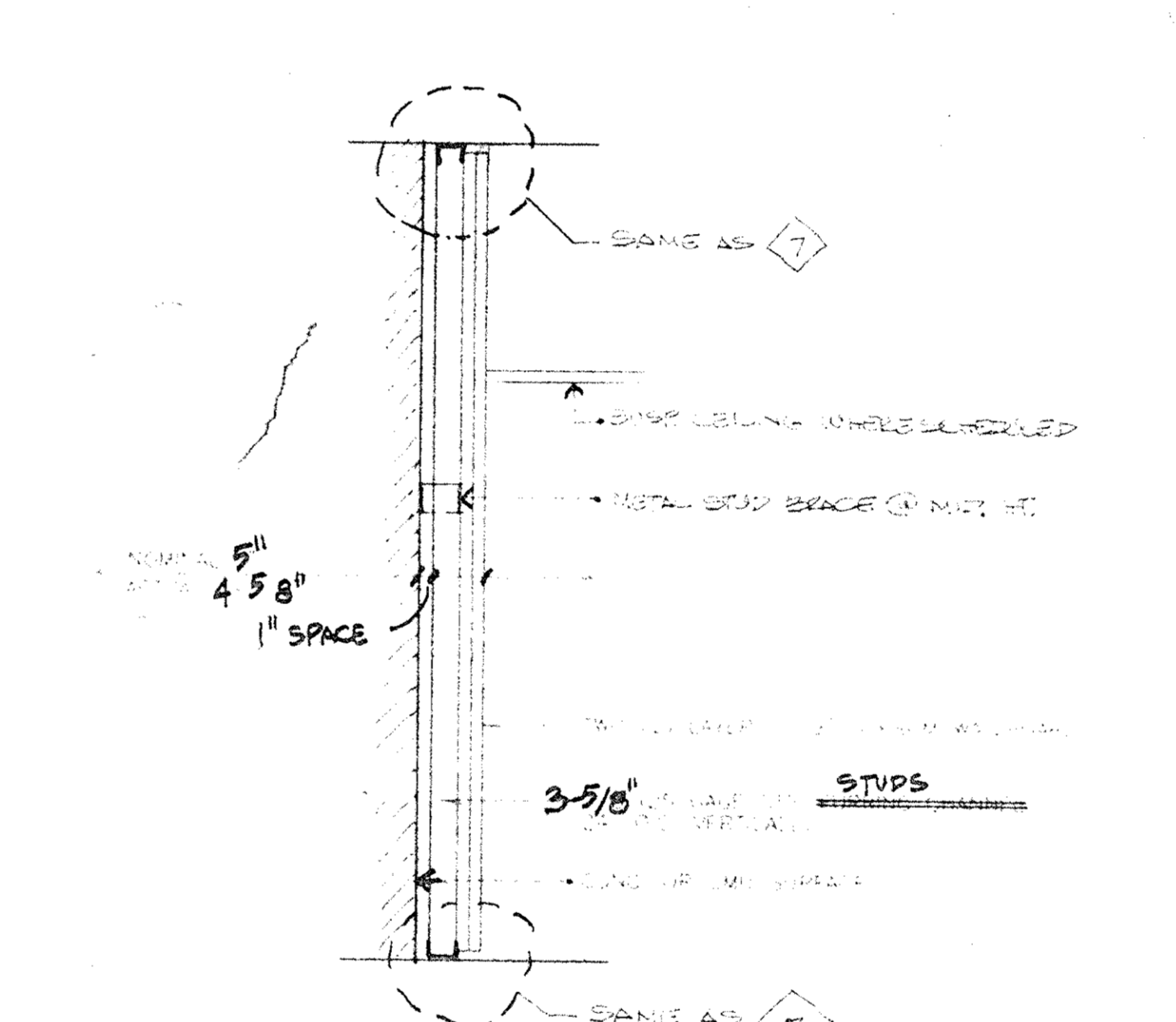
- 6 8" CMU / 2 SIDE LOW PARTITION



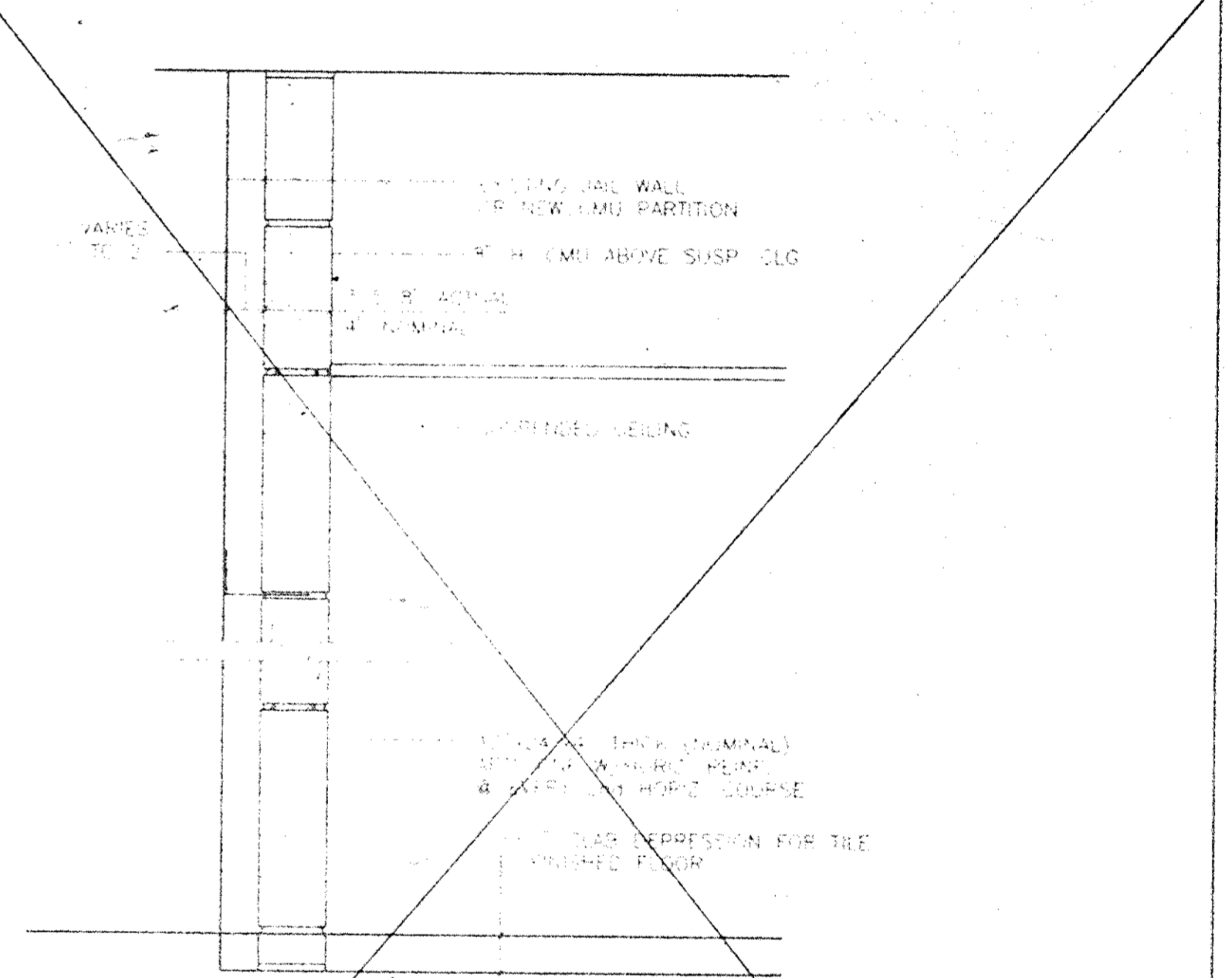
- 7 5-1/2" DRYWALL PARTITION / 2 HR RATED



- 8 5" DRYWALL PARTITION / NON RATED



- 9 FURRED DRYWALL PARTITION



- 10 ART STONE PARTITION OR VENEER / NON RATED

OMIT

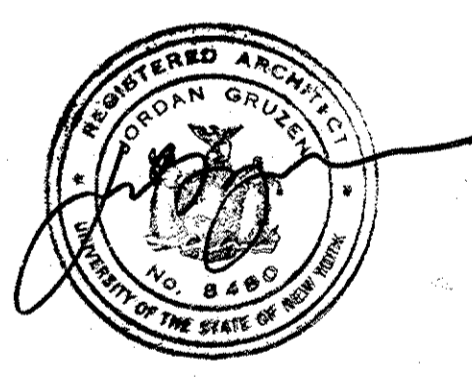
Architects Planners & Interior Designers
 Crusen-Santora
 304 Park Avenue South
 New York, NY 10010
 Fax 212/477-1257
 Tel 212/477-0900

Associated Architects
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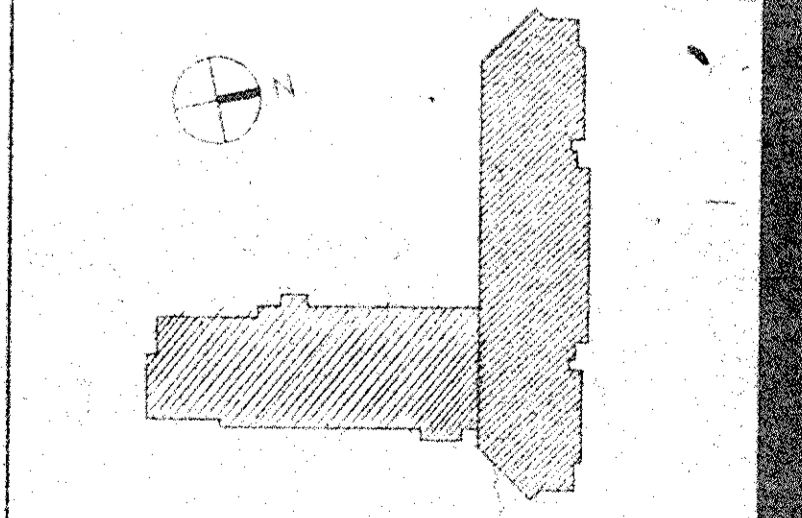
Civil Engineers
 Paggi & Martin
 54-56 Main Street
 Poughkeepsie, New York 12601
 Fax 914/471-0905
 Tel 914/471-7898



5. 05.03.94 GENERAL REVISIONS
 2. 04.29.94 BID ISSUE
 1. 03.21.94 COST ESTIMATE ISSUE

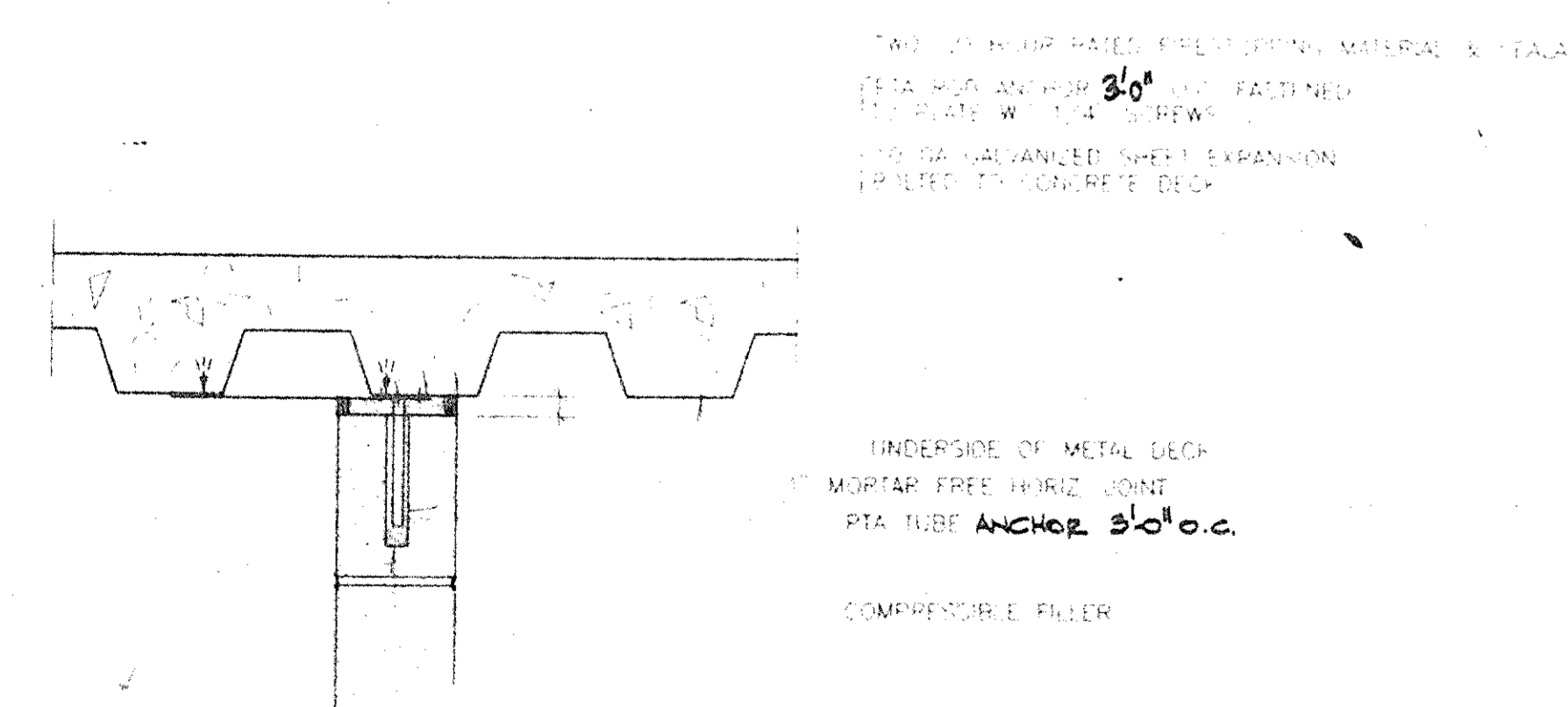
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Checked By	Date	
E.F.	03.17.94	
Issue Date		

Scale: 1/4" = 1'-0"
 Key Plan

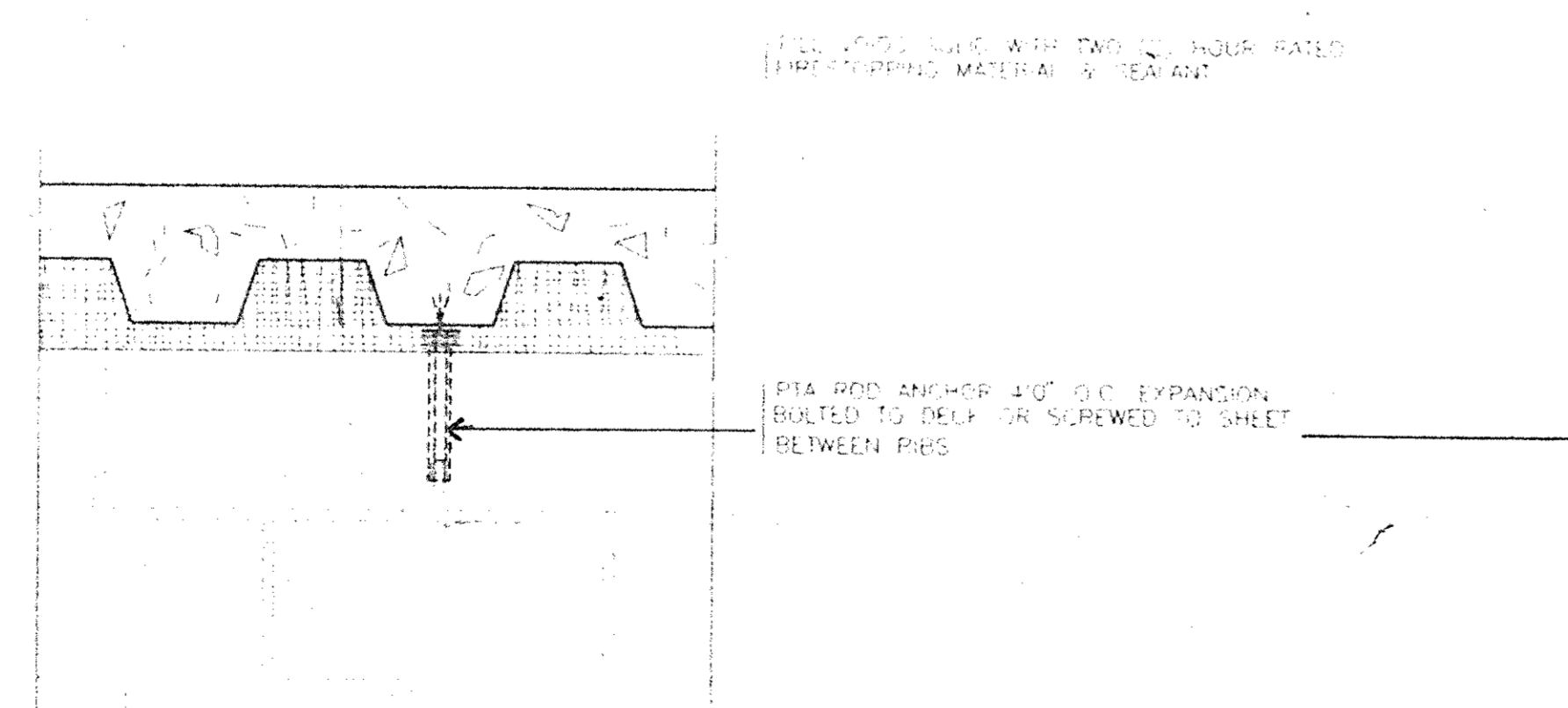


Drawing Title
 INTERIOR PARTITION
 SCHEDULE

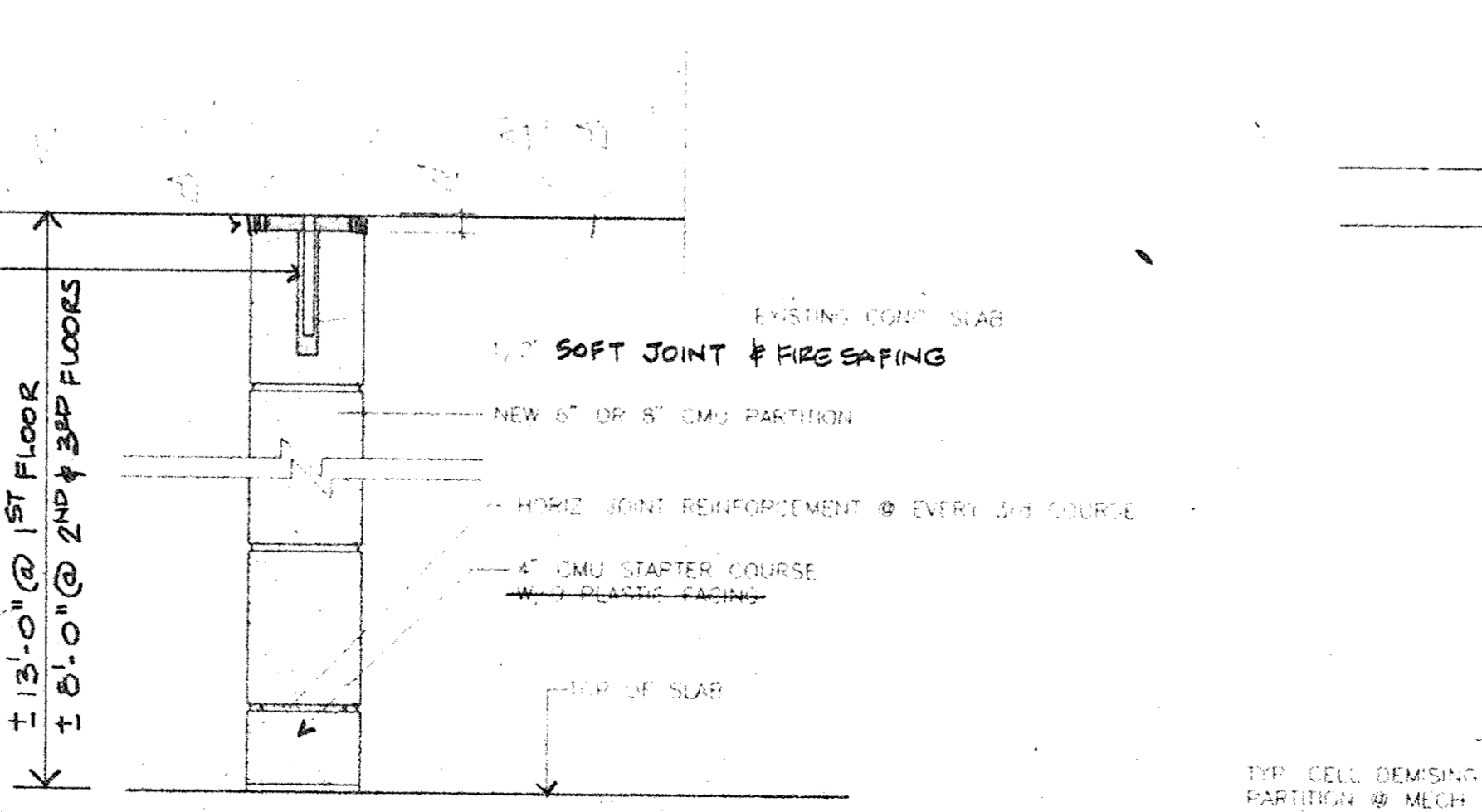
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 RA Project # 99501.00
 Drawing No.



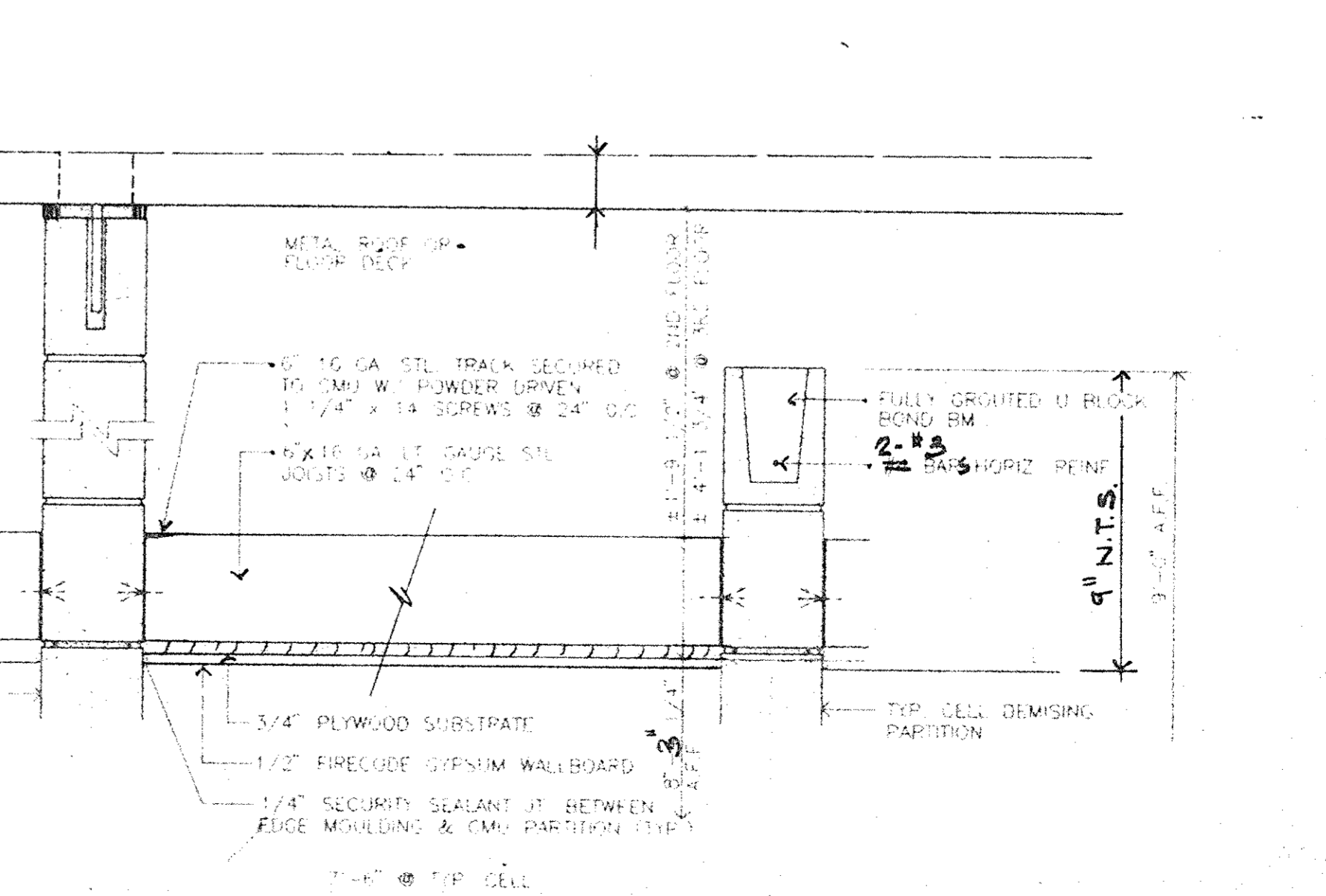
A CMU PARTITION ATTACHMENT TO METAL DECK; PARTITION PARALLEL TO METAL DECK



B CMU PARTITION ATTACHMENT TO METAL DECK; PARTITION PERPENDICULAR TO METAL DECK



C NEW CMU PARTITION IN EXISTING JAIL



D CMU PARTITIONS BETWEEN CELLS IN NEW BUILDING

SYMBOL LIST AND ABBREVIATIONS				
ABBREVIAT.	SYMBOL	DESCRIPTION	ABBREVIAT. SYMBOL DESCRIPTION	
	○	FIRESTOP	AD	ACCESS DOOR
	△	SMOKE DETECTOR	ADG	ACCESS DOOR ON CEILING
	□	SMOKE-WATER SWITCH	ADG	CEILING ACCESS DOOR WITH BLANK-OFF
	□	PROGRAM CLOCK	CD	CEILING DIFFUSER
	□	SUPPLY AIR	CD	CEILING REGISTER
	□	RETURN OR EXHAUST AIR	FR	FIRE RESISTANT
SA OR O.A.	□	SUPPLY OR OUTSIDE AIR DUCT	FR	FRONT BELLETTED
RA OR EA	□	RETURN OR EXHAUST AIR DUCT	FR	FRONT GRILLE
	□	INCLUDES DUCT RISER	FR	FRONT GRILLE
	□	INCLUDES DUCT FINISH	FR	FRONT GRILLE
MD	□	MOTORIZED DAMPER	FR	FRONT GRILLE
VD	□	VOLUME DAMPER	FR	FRONT GRILLE
SD	□	SHUTTER DAMPER	FR	FRONT GRILLE
FD	□	FLEXIBLE DUCT CONNECTION	FR	FRONT GRILLE
	□	DUCT TYPING MARKS	FR	FRONT GRILLE
	□	ADJUSTABLE OPERATOR VANE	FR	FRONT GRILLE
	□	TWO-WAY CONTROL VALVE	FR	FRONT GRILLE
	□	CONTROL VALVE STATION	FR	FRONT GRILLE
	□	THREE-WAY CONTROL VALVE	FR	FRONT GRILLE
	□	DIFFERENTIAL VALVE	FR	FRONT GRILLE
	□	SHARED VALVE	FR	FRONT GRILLE
	□	SAFETY VALVE	FR	FRONT GRILLE
	□	COAL WATER	FR	FRONT GRILLE
	□	CONDENSATE WATER TREATMENT	FR	FRONT GRILLE
	□	COMPRESSED AIR	FR	FRONT GRILLE
	□	SAFETY VALVE DISCHARGE	FR	FRONT GRILLE
	□	RAIN	FR	FRONT GRILLE
	□	LOW PRESSURE GAS	FR	FRONT GRILLE
	□	PRESSURE/LOW TEMPERATURE RELIEF VALVE	FR	FRONT GRILLE
	□	TEMPERATURE (TEMPERATURE)	FR	FRONT GRILLE
	□	TEMPERATURE (ELECTRIC)	FR	FRONT GRILLE
	□	HOT WATER SUPPLY	FR	FRONT GRILLE
	□	HOT WATER RETURN	FR	FRONT GRILLE
	□	CHILLED WATER SUPPLY	FR	FRONT GRILLE
	□	CHILLED WATER RETURN	FR	FRONT GRILLE
	□	FIRE DAMPER WITH ACCESS DOOR IN DUCT	FR	FRONT GRILLE
	□	WIRE MESH SCREEN	FR	FRONT GRILLE
	□	SEALINGS	FR	FRONT GRILLE
	□	ABOVE	FR	FRONT GRILLE
	□	DOWN	FR	FRONT GRILLE
	□	EXPANSION LINE	FR	FRONT GRILLE
	□	PLENUM	FR	FRONT GRILLE
	□	SMOKE DAMPER	FR	FRONT GRILLE
	□	NOT TO SCALE	FR	FRONT GRILLE
	□	EXISTING DUCTWORK	FR	FRONT GRILLE
	□	CONTROL VALVE	FR	FRONT GRILLE
	□	CEILING GRILLE	FR	FRONT GRILLE
	□	EQUAL SPLIT REGISTER/OPERATING TYPE PNEUMATIC THERMOSTAT	FR	FRONT GRILLE
	□	FREE AREA	FR	FRONT GRILLE

NOTE: SOME OF THE SYMBOLS AND ABBREVIATIONS ABOVE MAY NOT NECESSARILY APPLY TO THIS PROJECT AND ARE SHOWN FOR CONVENIENCE ONLY.

SCHEDULE OF VENTURIS

UNIT NUMBER	SERVICE	LOCATION	FLW CFM	P/B SIZE	BETA RATIO	READING DELTA P "W.G.	MODEL NO. AND MAKEUP
1	CHILLED WATER	ROOFTOP MECH. RM.	420	5"	718	20	"BARCO" BR 2717B L.S. 2
2	HOT WATER	328 EL. MECH. RM.	180	4"	630	24	"BARCO" BR 2100 L.S. 1
3	HEATING HOT WATER		180	4"	630	24	"BARCO" BR 2100 L.S. 1

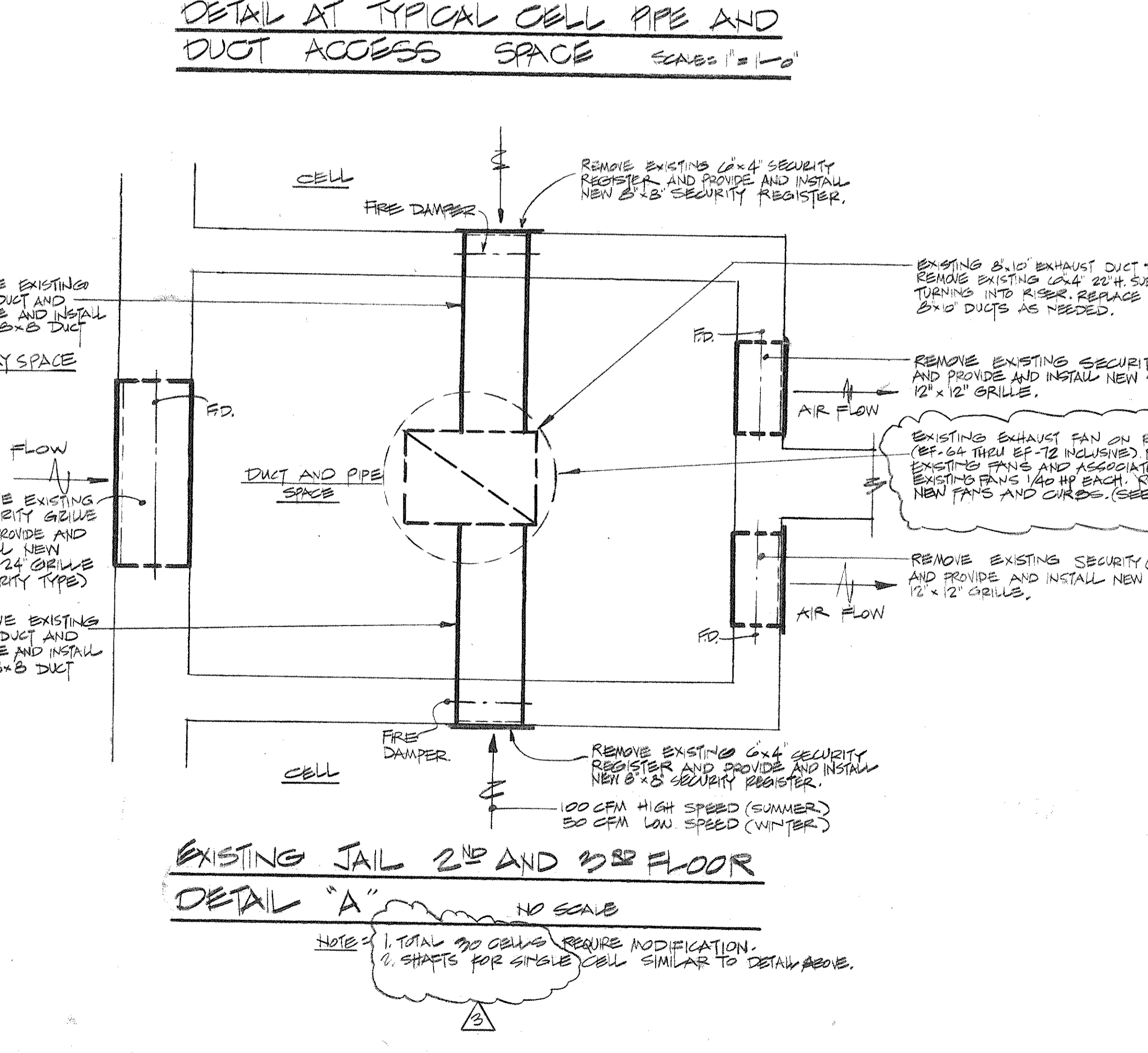
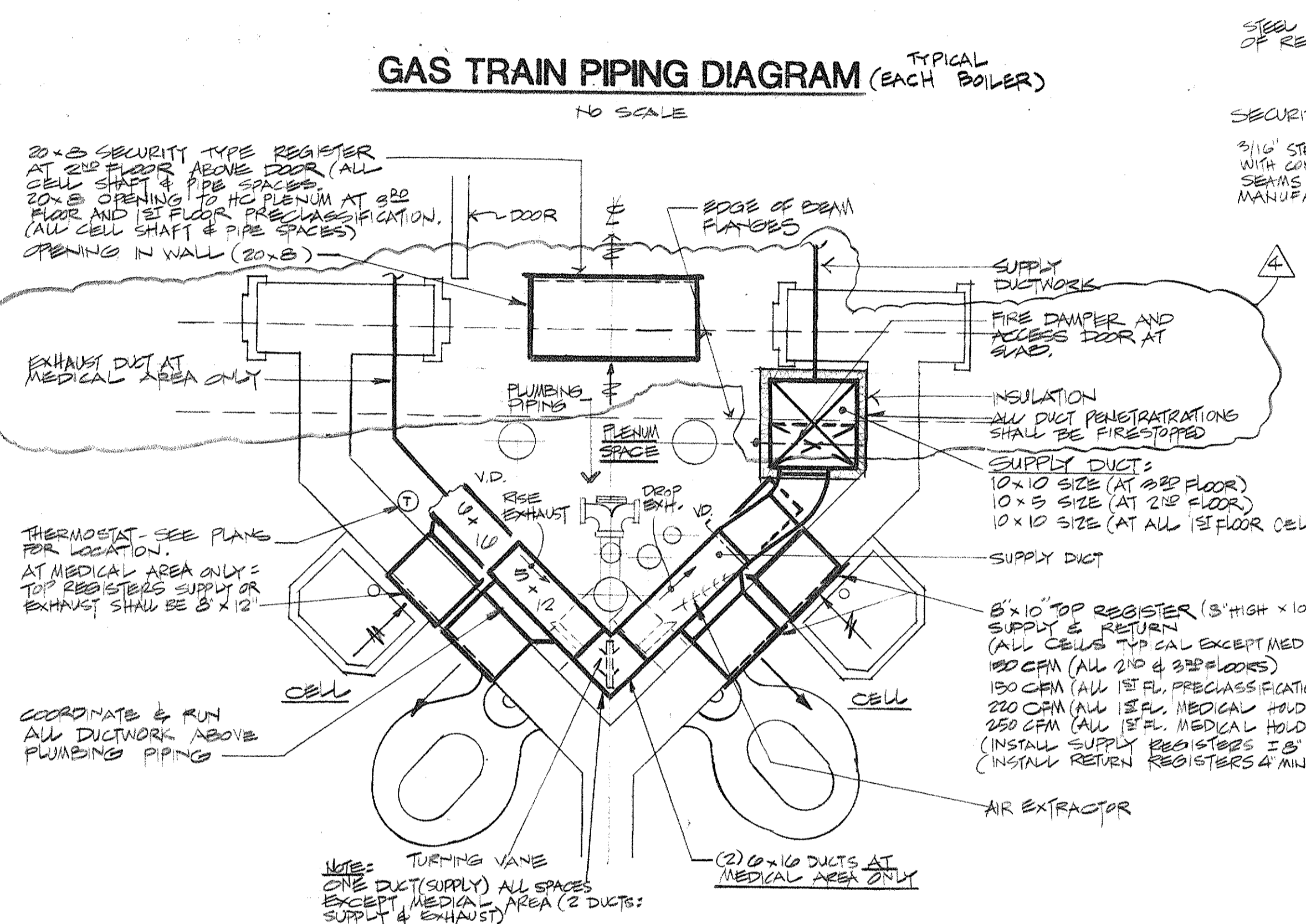
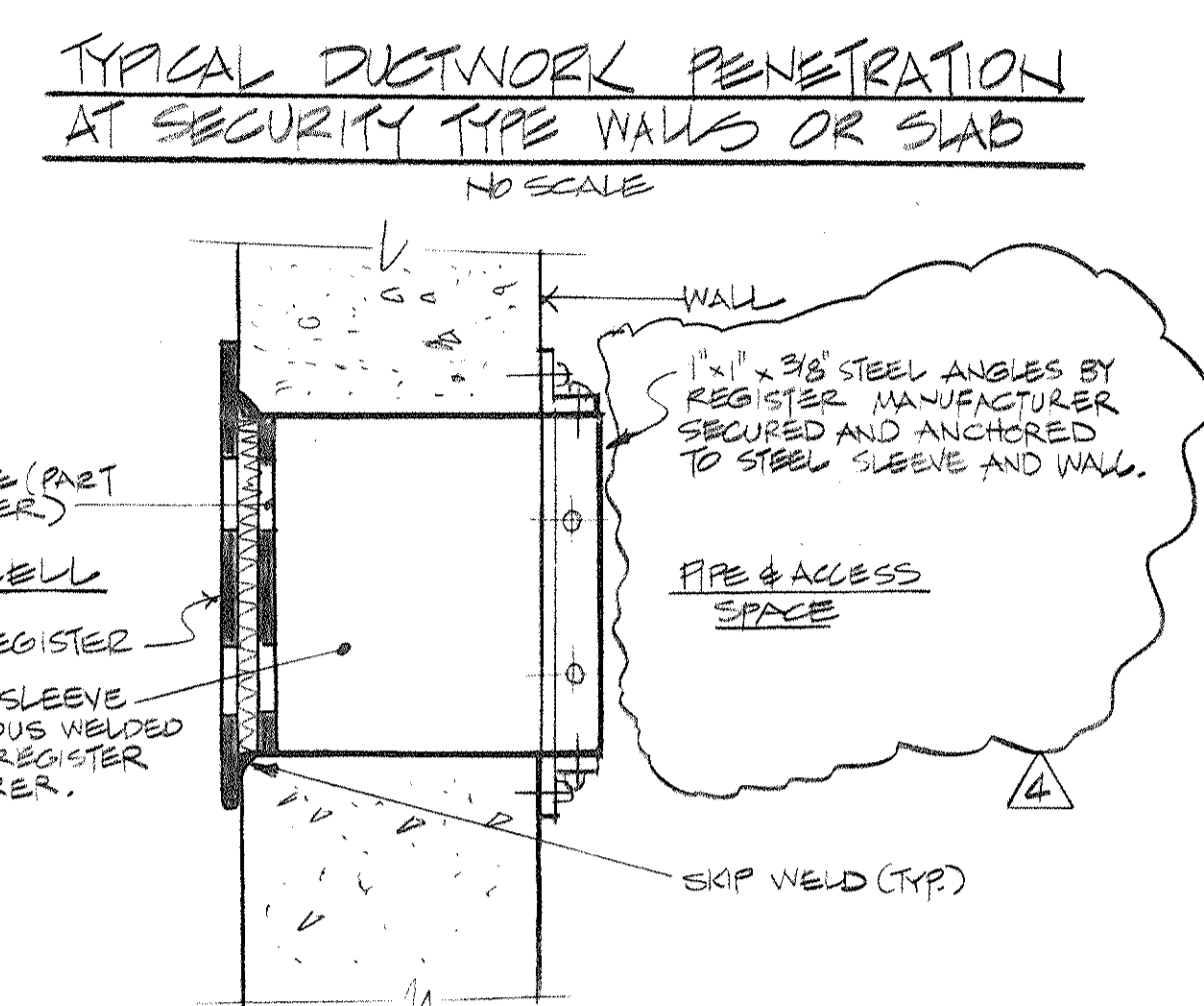
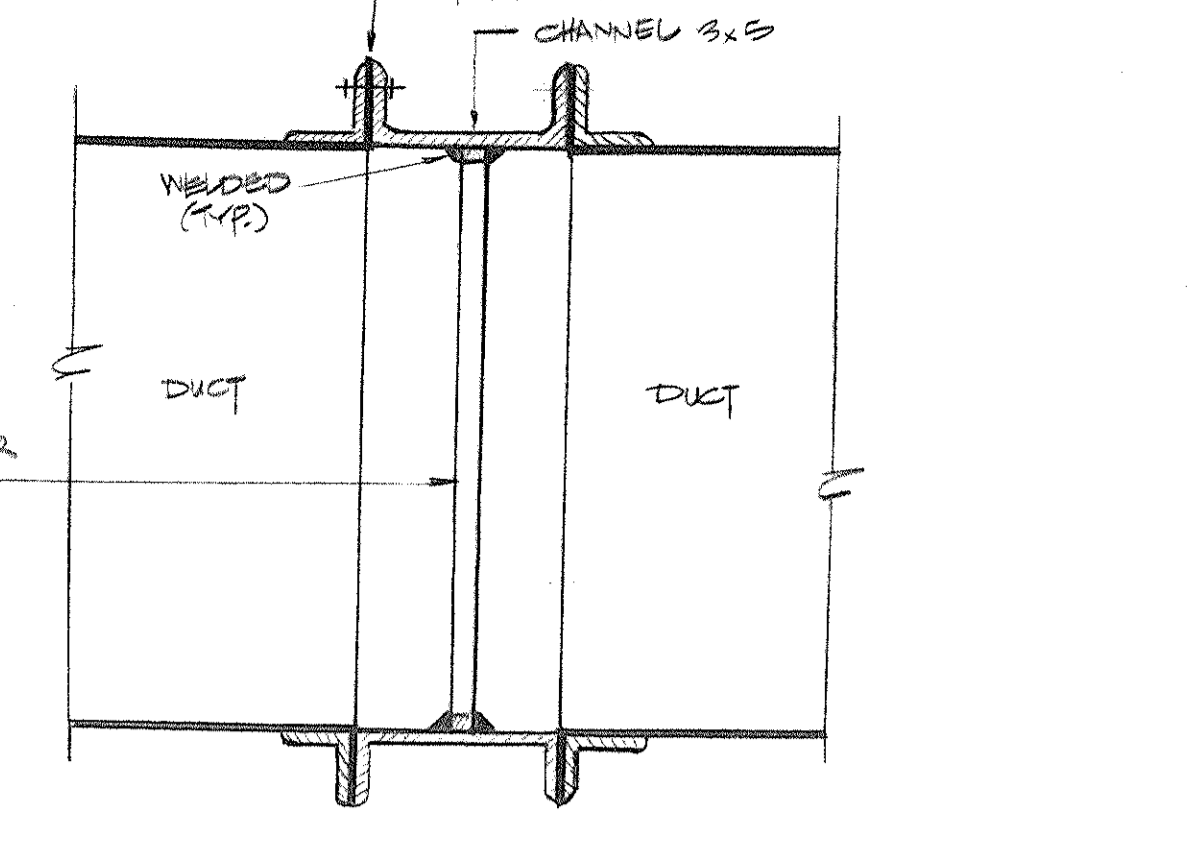
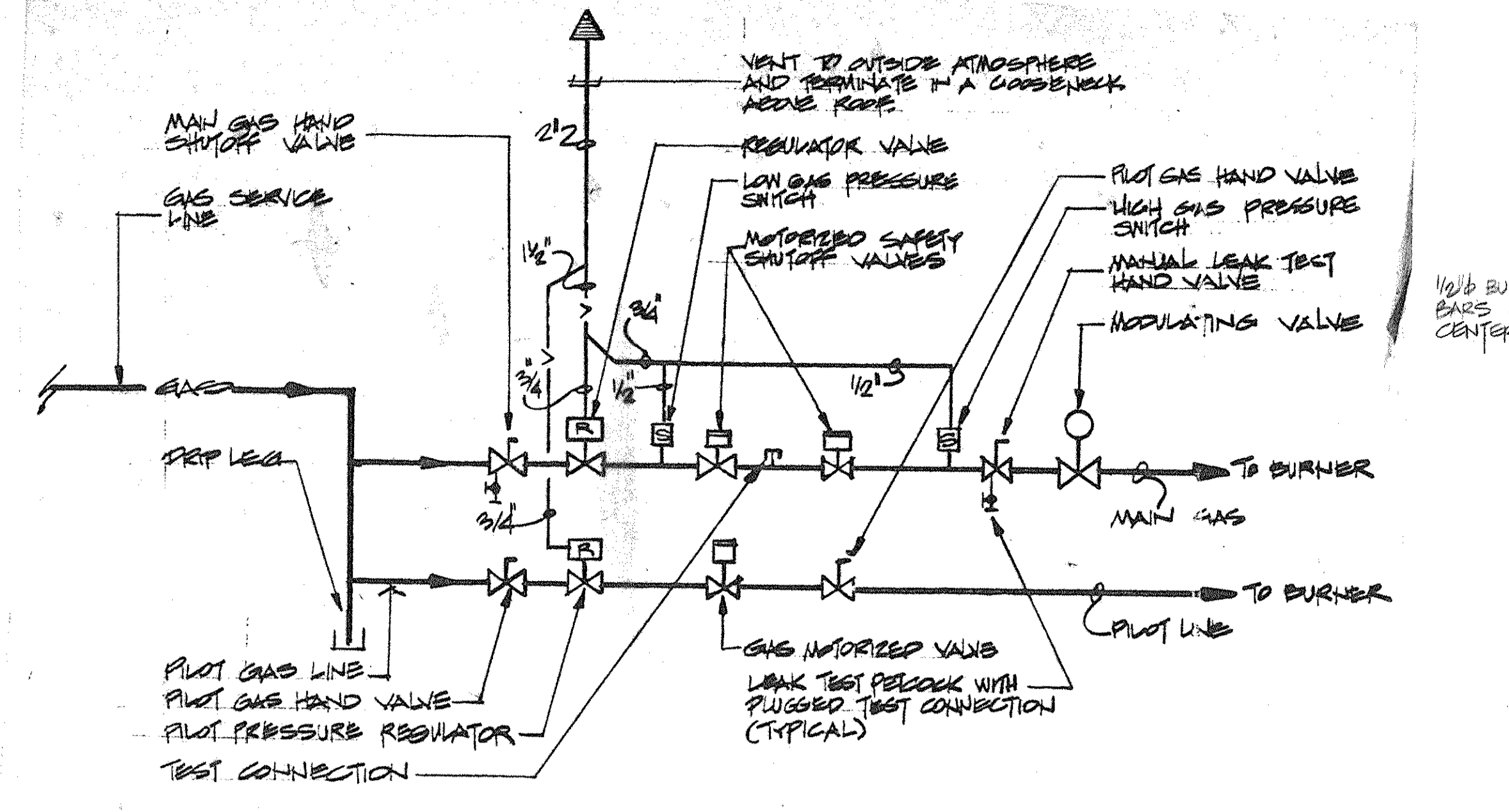
NOTE: (1) PROVIDE MASTER MASTER PER VENTURIS REPORTS.

SCHEDULE OF ELECTRIC HEATER

UNIT NUMBER	SERVICE	LOCATION	DESCRIPTION
1	240V. TOLL EXIST. JAIL	EXIST. JAIL 1ST FL.	SPARK NOVEL PH1P150, 1500 WATTS, 208V. 1Ø, 7.5AMPS, 5120 BTU/HR.

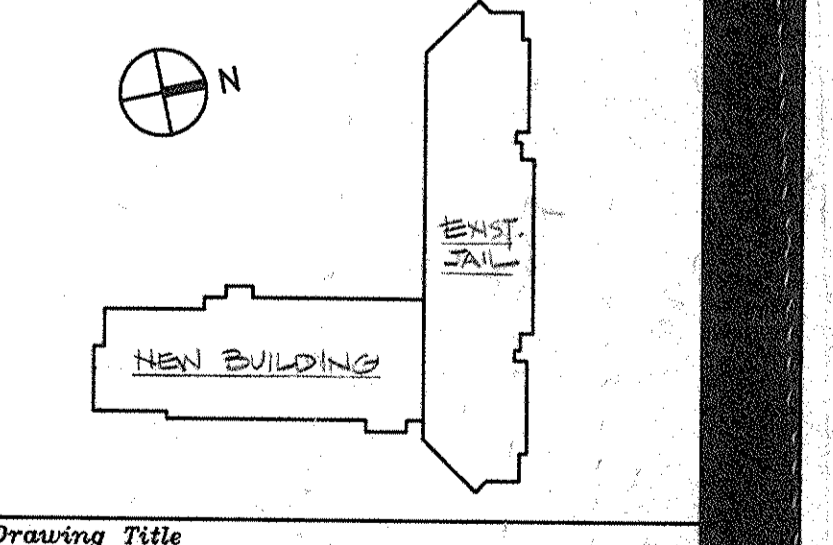
NOTE: UNIT NO. 1 SHALL BE SURFACE MOUNTED UL LISTED WITH BUILT IN DISCONNECT SWITCH THERMAL THERMOSTAT AND THERMAL OVERHEAT PROTECTOR.

- GENERAL NOTES
1. PROVIDE BURGLAR BARS IN ALL DUCTWORK GREATER THAN 6" IN ANY DIMENSION WHERE DUCTWORK PENETRATES SECURITY WALLS.
 2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DIFFUSERS AND REGISTERS.
 3. MINIMUM HOT WATER RETURN PIPING SHALL BE 3/4".
 4. AT EXISTING JAIL AT EXISTING DUCTWORK INDICATED ON PLANS PROVIDE AT 2 HR RATED WALLS FIRE DAMPERS UNLESS EXISTING DUCTWORK INDICATED HAS EXISTING FIRE DAMPERS AT 2 HR RATED WALLS (DO NOT REMOVE EXIST. F.D.).
 5. O.G. TO G.U. TO G.U. PROVIDE CEILING'S G.U. AS REQUIRED AT EXISTING JAIL.
 6. ALL DETAILS, DIAGRAMS ETC. INDICATED ON THESE DRAWINGS, APPLY TO BOTH THE NEW BUILDING AND EXISTING JAIL.
 7. ALL TRANSFER OPENINGS (NO CATED NOT TO) SHALL BE ABOVE HUNG CEILING, WHERE INDICATED OTHERWISE OR OTHERWISE OF PHYSICAL CONSTRAINTS.
 8. ALL THIRD FLOOR VAN EXPOS AND VOLUME DAMPERS SHALL HAVE CEILING (DAY ROOM SPACE) ACCESS DOORS BY MECHANICAL CONTRACTOR FOR SERVICES AND ACCESSIBILITY.
 9. ALL EXPOS SHALL BE ROND CONSTRUCTION AS MUCH AS POSSIBLE EXCEPT WHERE INDICATED OTHERWISE OR OTHERWISE OF PHYSICAL CONSTRAINTS.
 10. AT EXISTING JAIL ABOVE INDICATIONS AND ADDITIONS AIR BALANCE THE TWO EXISTING FLOOR CEILING AS UNITS TO ASHIBING THE AIR QUANTITIES INDICATED AT THE 1ST & 2ND FLOOR.
 11. AT ALL DUCT FIRE DAMPERS AND FIRE SMOKE DAMPERS DUCT ACCESS DOORS SHALL BE PROVIDED.
 12. SEE ARCHIT. DWGS REFLECTED CEILING PLANS AND DWG. M.I.P. DIFFUSERS AND REGISTERS SCHEDULES FOR INFORMATION AS TO SECURITY TYPE DIFFUSERS, GRILLES & REGISTERS.
 13. THE FOLLOWING DUCTWORK SHALL BE ACCURATELY LINED:
 - A. DUCTWORK DOWNSTREAM OF TERMINAL UNITS A MINIMUM DISTANCE OF 10 FEET.
 - B. CONDITIONED AIR SUPPLY FROM DUCTWORK WITH MECHANICAL ROOMS AND NOT LESS THAN 20 FT FROM FAN DISCHARGE FOR SUPPLY FAN AND 10 FT FOR RETURN FAN.
 14. ALL DETAILS SHOWN ARE GENERALIZED IN NATURE.
 15. ALL DUCT LINES SHALL NOT REQUIRE A PERFORATED METAL FACING.
 16. WHEREVER 10" O.D. DISCHARGE OF RETURN FAN SHALL BE ACCURATELY LINED, THERE SHALL BE NO OTHER RETURN AIR DUCT LINES (EXCEPT IN AREA).
 17. TYPE L COPPER SHALL BE ACCEPTABLE IN LIEU OF TYPE K OR ABOVEGROUND HYDRONIC PIPING.
 18. 1/2" O.D. OR 3/4" BRN BRASS STEEL PIPE SHALL BE ACCEPTABLE IN LIEU OF A 1/2" SEAMLESS.
 19. UNLESS TYPE FR TUBING IN CONCEALED LOCATIONS AND TYPE FR TUBING RUN IN EXPOSED LOCATIONS SHALL BE ACCEPTABLE IN LIEU OF COPPER TUBING.
 20. CONTROL WIRES IN EXH. SHALL BE ACCEPTABLE IN LIEU OF RIGID SWAGED CONDUIT.
 21. 20A ACTIVATORS OF SUITABLE TORQUE FOR FLEXIBLE VALVES SHALL BE ACCEPTABLE IN LIEU OF COIL ACTUATORS.
 22. AC UNITS NO. 1 THROUGH 6 INCLUSIVE SHALL NOT HAVE ANY FILTER DIFFERENTIAL PRESSURE SWITCHES AND ALARM LIGHTS.
 23. AC UNITS NO. 1 THROUGH 6 INCLUSIVE SHALL NOT REQUIRE ANY HOT AND CHILLED WATER PRESSURE GAUGES IN A/C PANELS.
 24. AC UNITS NO. 1 THROUGH 6 INCLUSIVE SHALL BE PROVIDED WITH PANEL MOUNTED OVERRIDE THERM IN LIEU OF RESET THERM.
 25. CONTROL VALVES 1/2" AND SMALLER SHALL NOT REQUIRE POSITIVE POSITIONING.
 26. HOT WATER AND CHILLED WATER SYSTEM SHALL NOT REQUIRE TEMPERATURE CONTROL PANELS.
 27. 20A CONTROL AIR COMPRESSOR SYSTEM WITH ONE TANK AND TWO COMPRESSORS SHALL BE ACCEPTABLE.
 28. PROVIDE (1) FROSTPROOF FOR EACH AC UNIT (AC UNIT 3, 4, 5 & 6) WITH ONE LOCATED BEHIND THE SECURITY CELL AND AFTER THE HEATING COIL AND ONE FROSTPROOF LOCATED IN THE MAINING SECTION. EACH FROSTPROOF SHALL CONTROL SUPPLY FAN.



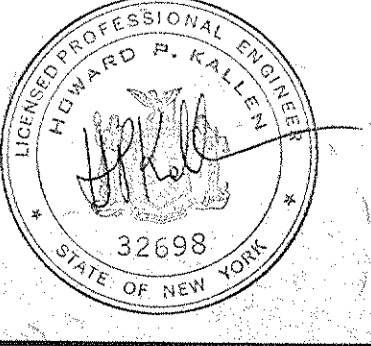
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- 2. 11.94 GENERAL REVISION
- 3. 1.94 GENERAL REVISIONS
- 4. 2.94 HVAC BID ISSUE
- 5. 2.14.94 COST ESTIMATE ISSUE

Drawn By: HB Date: _____
Checked By: MB Date: _____
Issue Date: _____
Scale: NONE
Key Plan: _____



HVAC SYMBOLS, ABBREVIATIONS AND NOTES

CS Project No. 81-1286
RA Project # 99301.00
Drawing No.



Dutchess County Jail

Phase 3 Addition & Renovations
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No.	Date	Revision
1	8.9.94	GENERAL REVISIONS
2	3.4.94	HVAC END ISSUE
1	3.21.94	COST ESTIMATE ISSUE

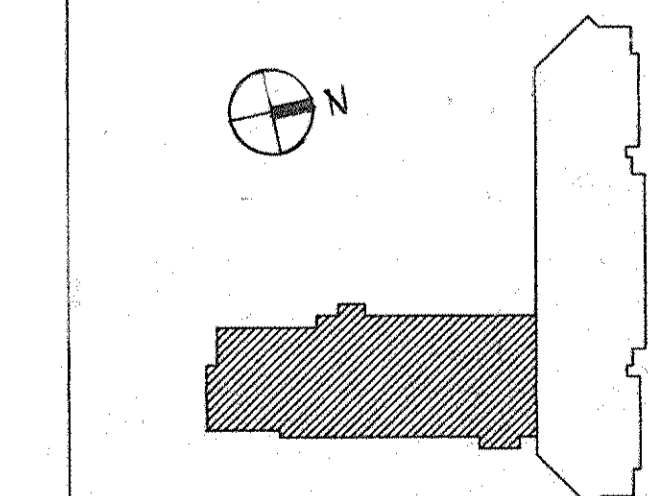
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Checked By: ME Date:

Issue Date:

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Key Plan:

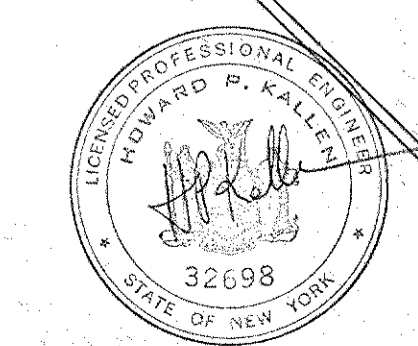
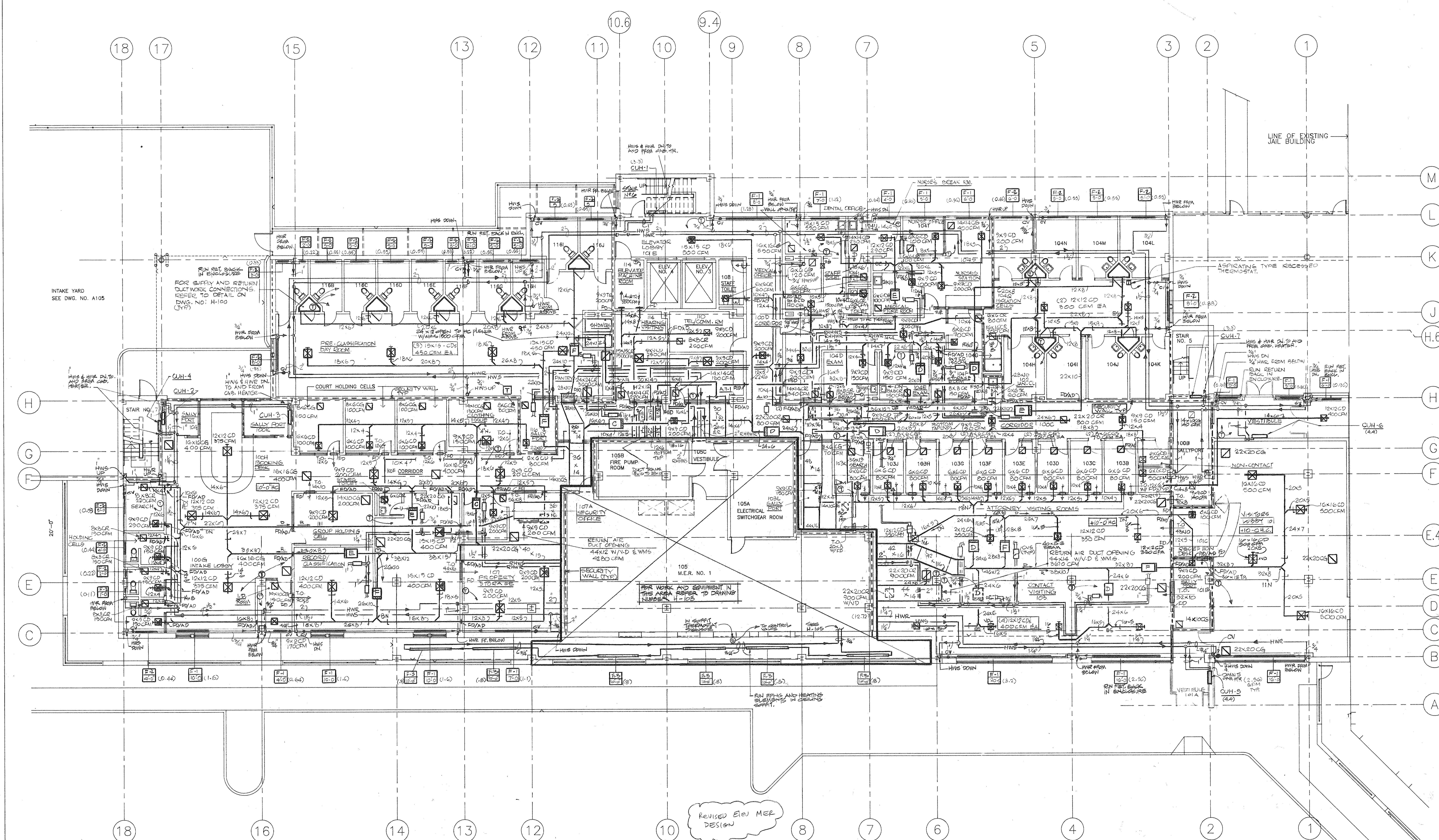


Drawing Title:

NEW BUILDING
FIRST FLOOR
HVAC PLAN

CS Project No. 91-1286
PA Project # 99301.00
Drawing No.

H-101



Dutchess County Jail

Phase 3 Addition & Renovations
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No.	Date	Revision
1	3-21-94	COST ESTIMATE ISSUE
2	5-4-94	HVAC BID ISSUE
3	8-9-94	GENERAL REVISIONS

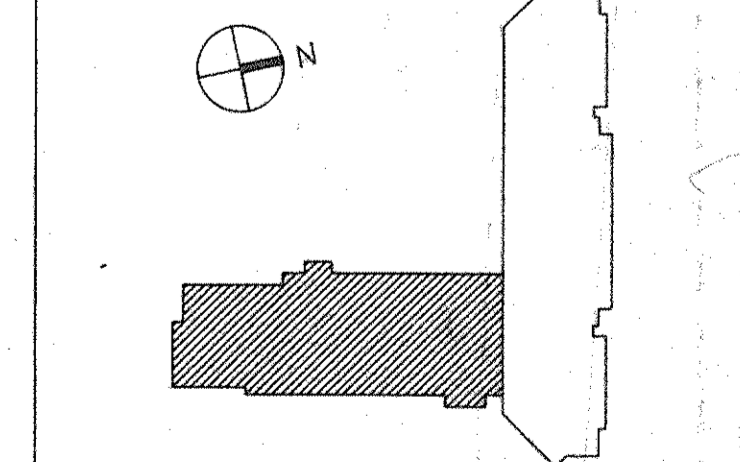
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Checked By MS Date

Issue Date

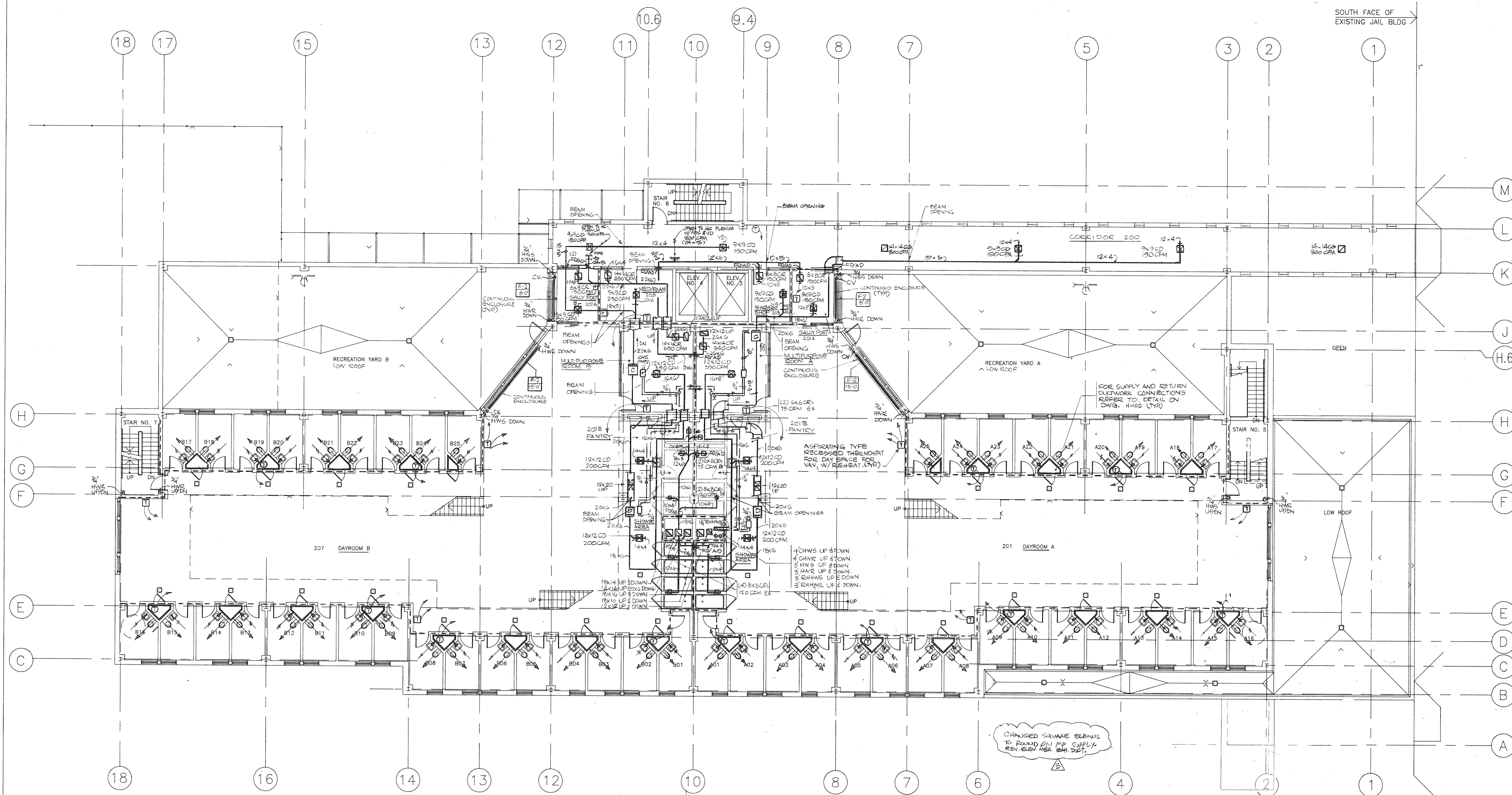
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Key Plan



Drawing Title
**NEW BUILDING
SECOND FLOOR
HVAC PLAN**

65 Project No. 91-1286
84 Project # 9301-00
Drawing No.



HOUSING UNIT B HOUSING UNIT A

CHANGED SAUNE ELBOWS TO ROUND DN MP SUPPLY REV. ELEV MER SH. DET.

Dutchess County Jail

Phase 3 Addition & Renovations
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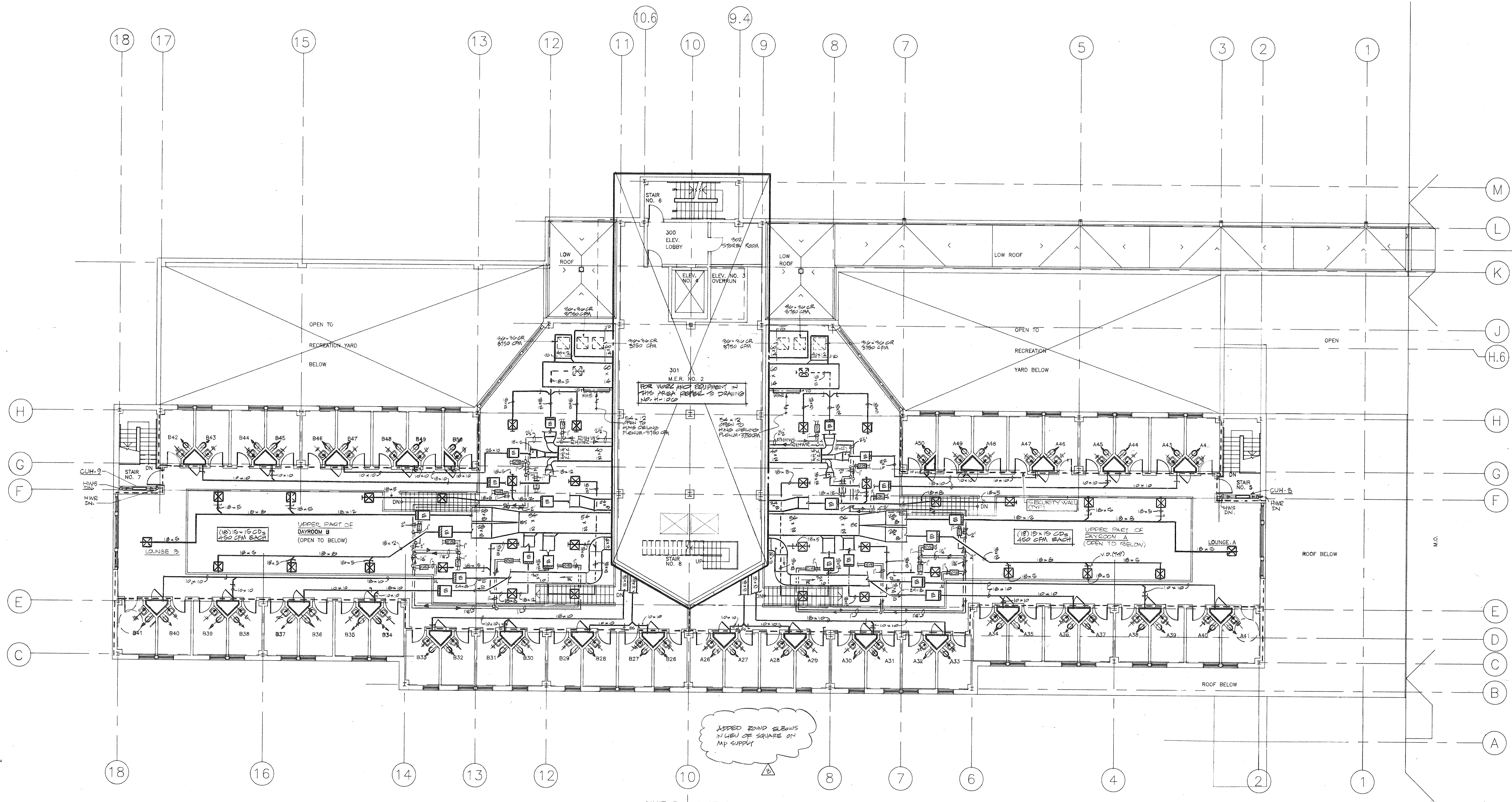
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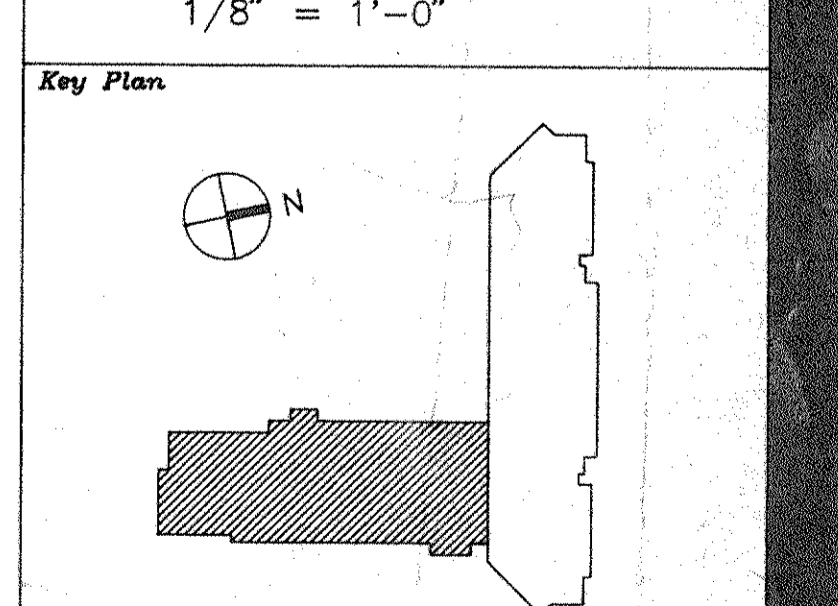


ADDED ROUND SLEEVES
IN LIEU OF SQUARE ON
MP SUPPLY

2	8-9-94	GENERAL REVISIONS
1	5-4-94	HAC BID ISSUE
1	2-21-94	ESTIMATE ISSUE

Drawn By: RC/HG Date: _____
Checked By: MS Date: _____

Issue Date: _____
Scale: 1/8" = 1'-0"



Drawing Title
**NEW BUILDING
THIRD FLOOR
HVAC PLAN**

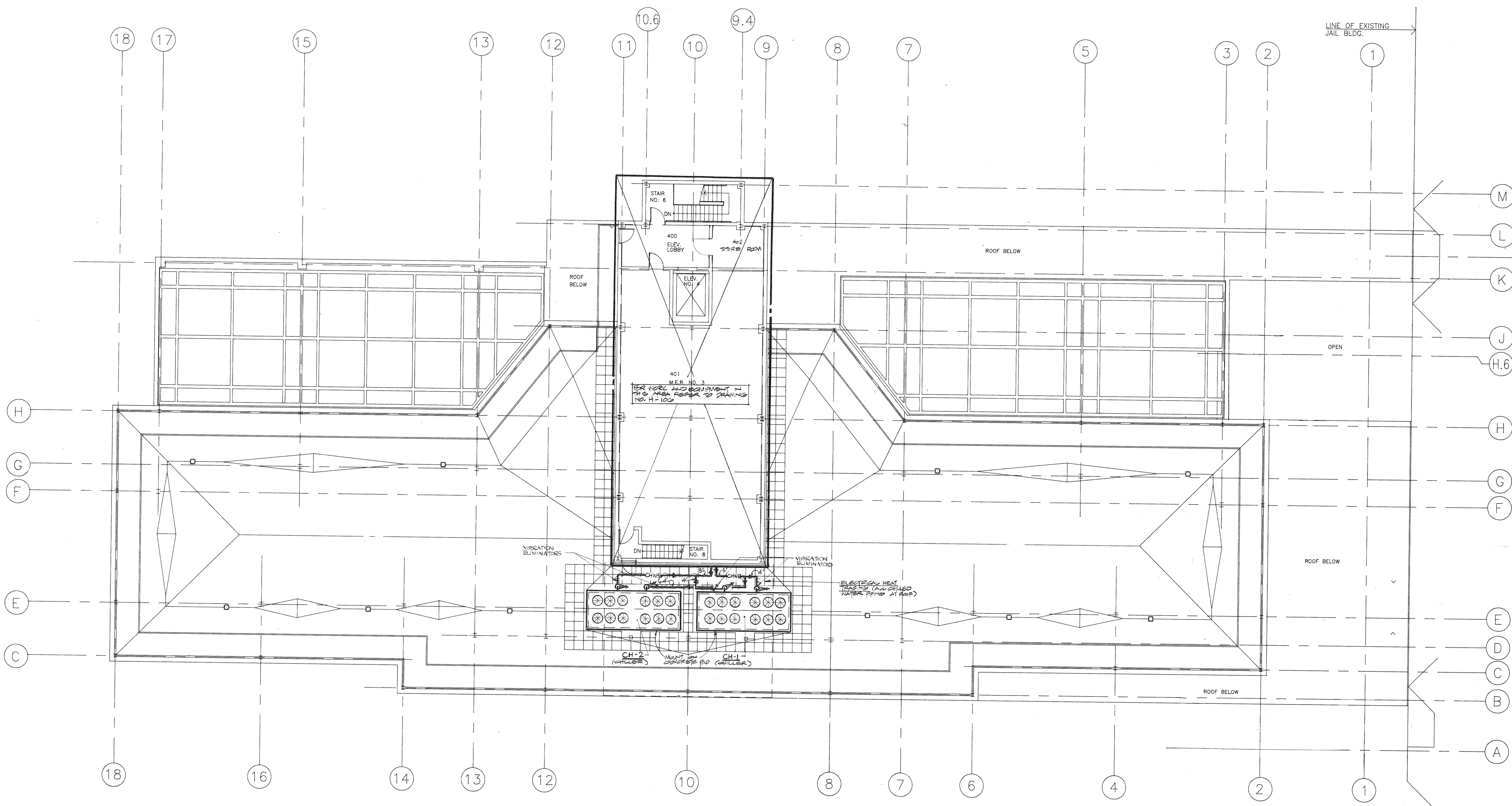


CS Project No. 91-1288
24 Project # 93001.00
Drawing No.

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

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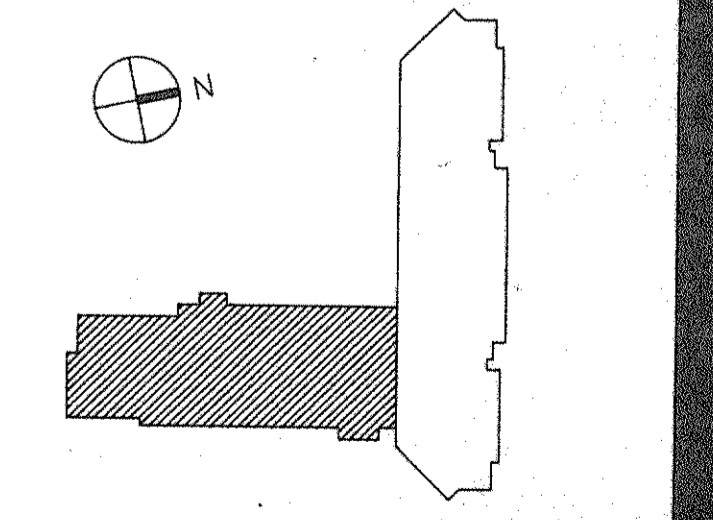
No.	Date	Revision
2	5.4.94	HVAC BID ISSUE
1	5-21-94	COST ESTIMATE ISSUE

Drawn By: RC Date: _____

Checked By: MS Date: _____

Issue Date: _____

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

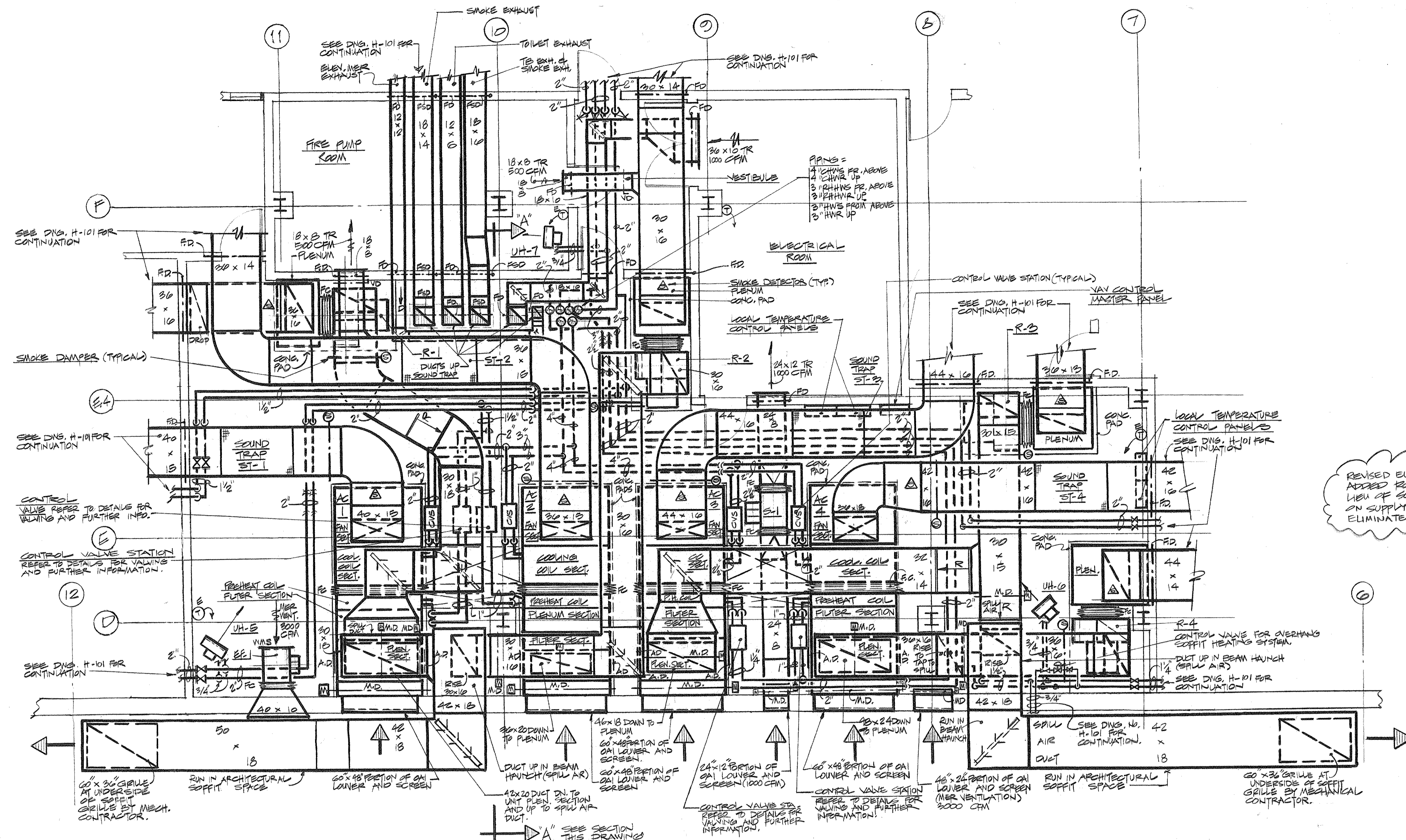


Drawing Title
**NEW BUILDING
 ROOF HVAC PLAN**

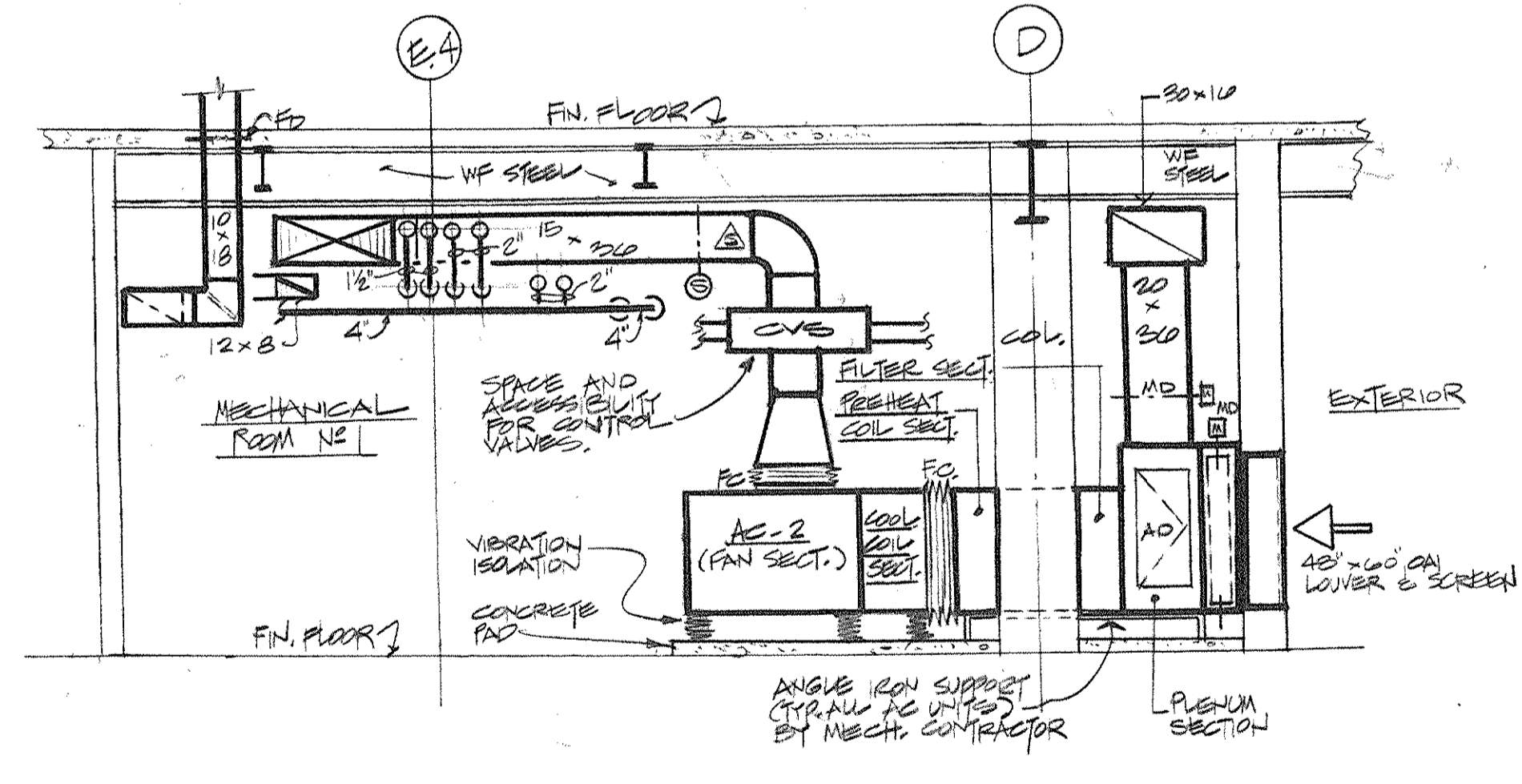


CS Project No. 91-1286
 RA Project # 99301.00
 Drawing No.

H-104



FIRST FLOOR MECHANICAL ROOM (#1)
SCALE: 1/4" = 1'-0"



SECTION A-A
SCALE: 1/4" = 1'-0"

REVISED ELEV. MECH. EXH. DUCT. ADDED ROUND ELBOWS IN LIEU OF SQUARE ELBOWS ON SUPPLY DUCTWORK - ELIMINATED NINE PUMPS

Dutchess County Jail
Phase 3 Addition & Renovations
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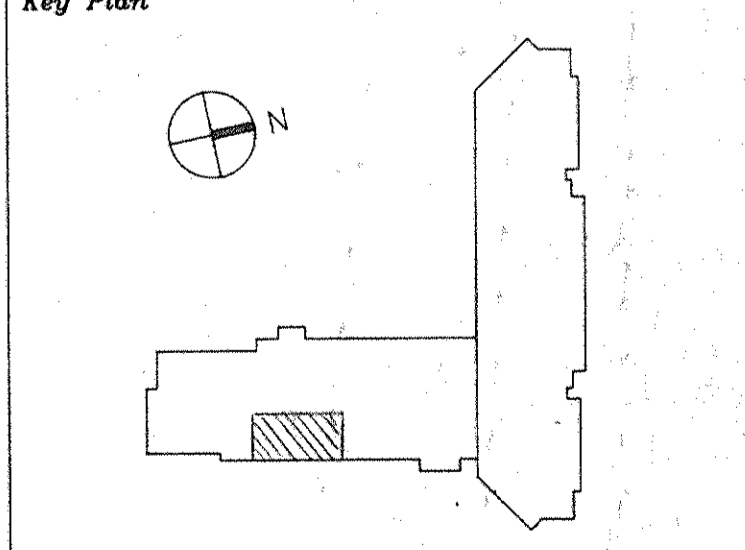
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1	8.9.94	GENERAL REVISIONS
2	5.4.94	HVAC BID ISSUE
3	3.21.94	COST ESTIMATE ISSUE

Drawn By	HB	Date	
Checked By	MS	Date	
Issue Date			

Scale: 1/4" = 1'-0"



Drawing Title
MECHANICAL EQUIPMENT ROOM NO. 1 PLAN



CS Project No. 91-1286
24 Project # 28301.00
Drawing No.

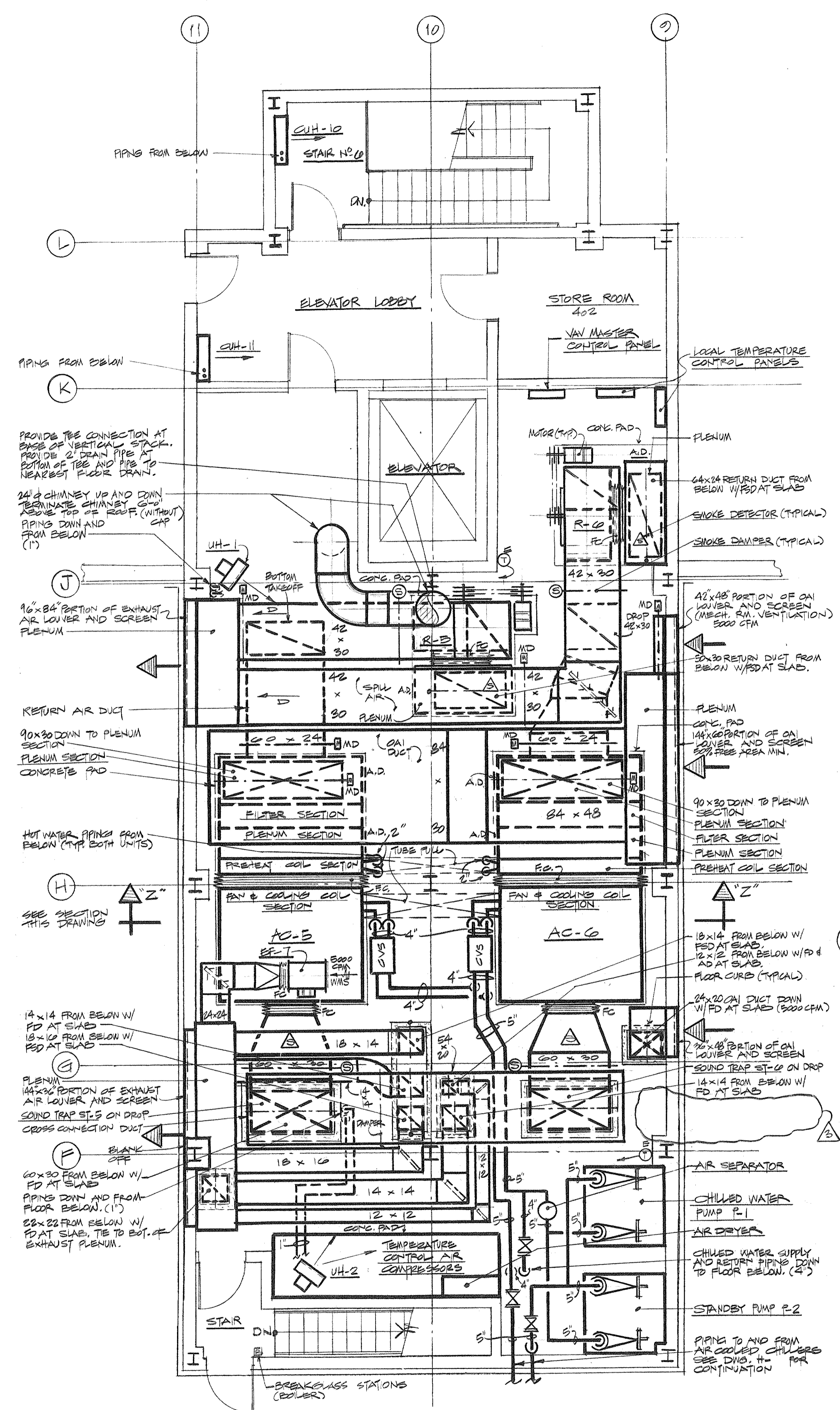
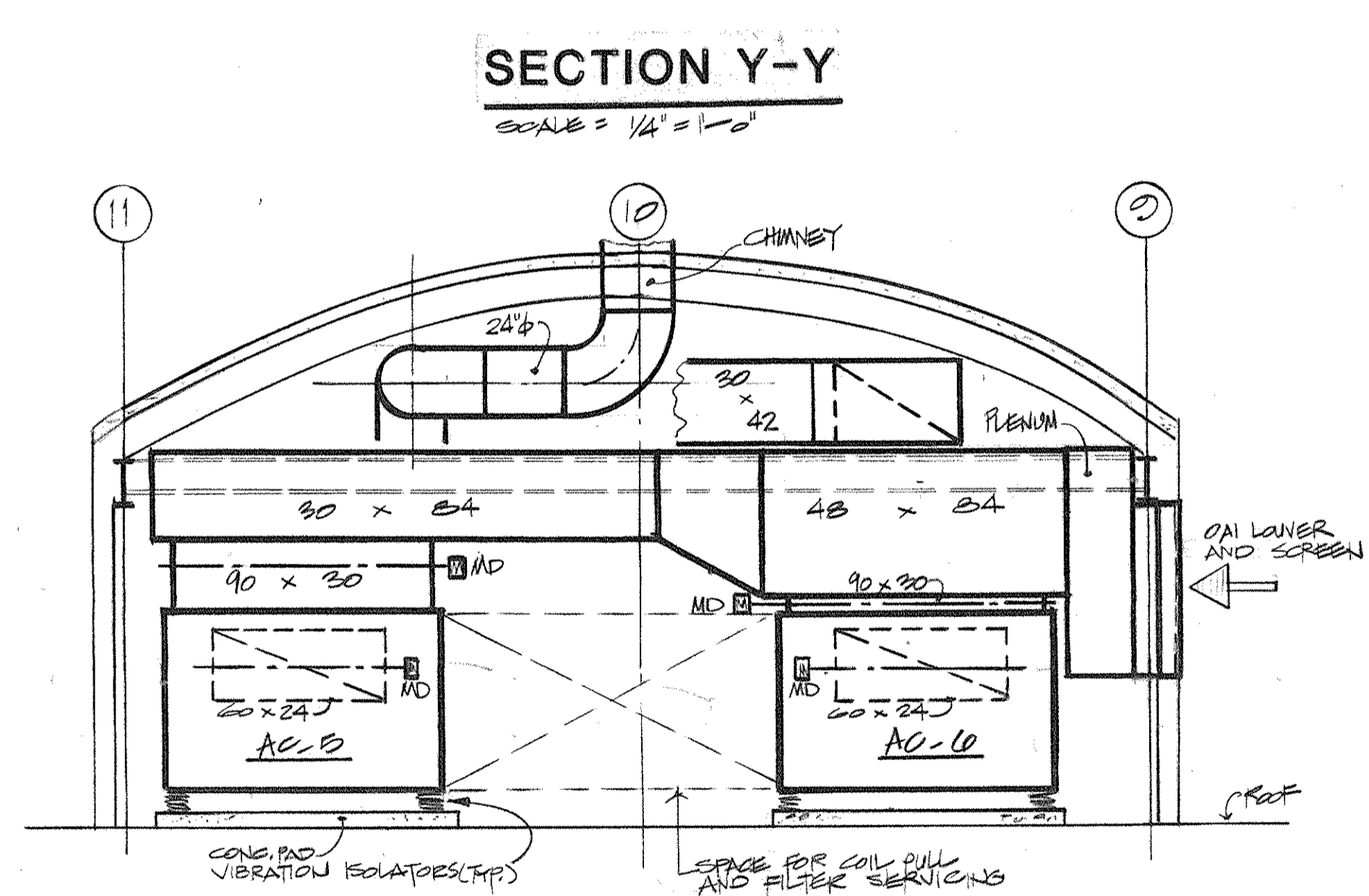
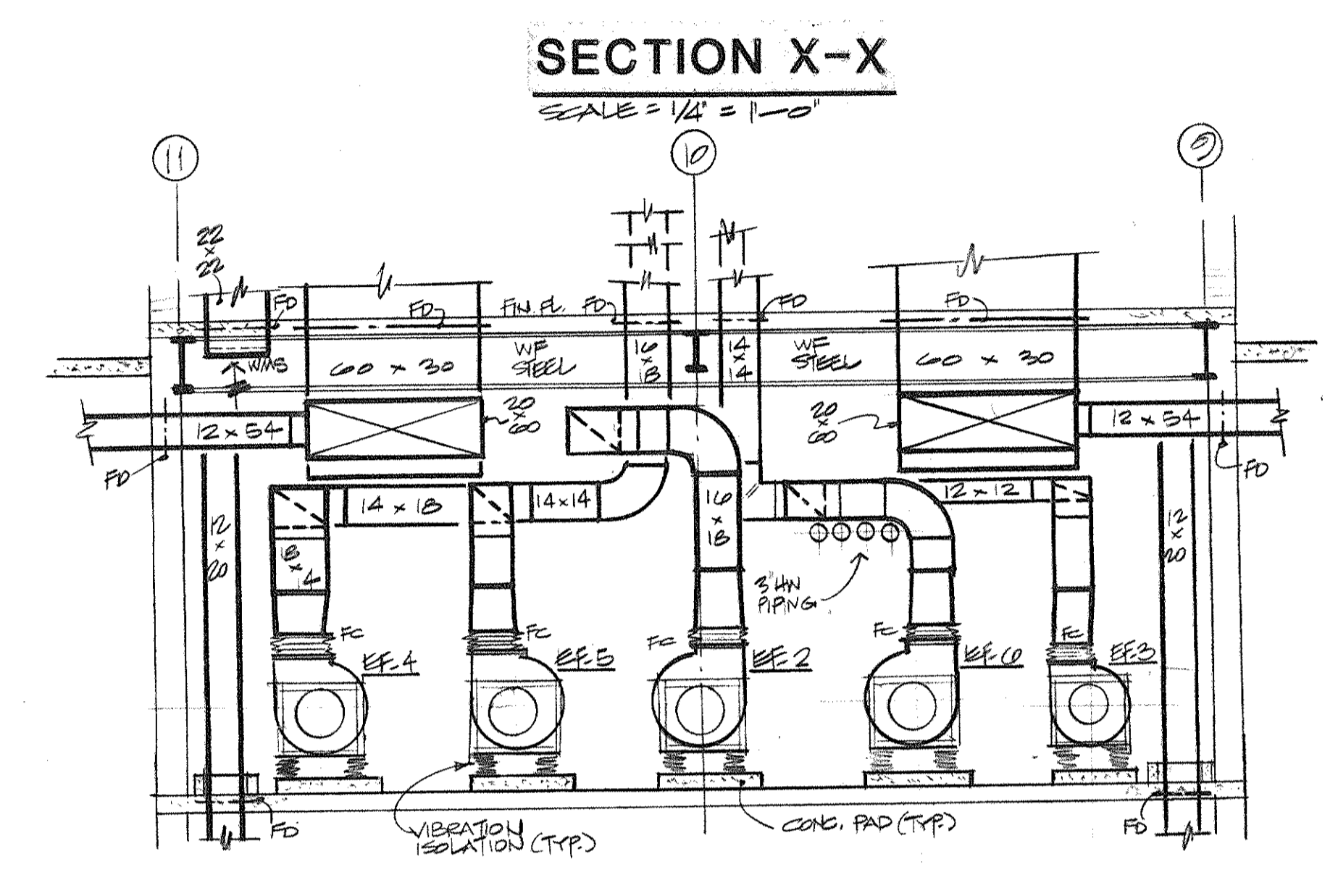
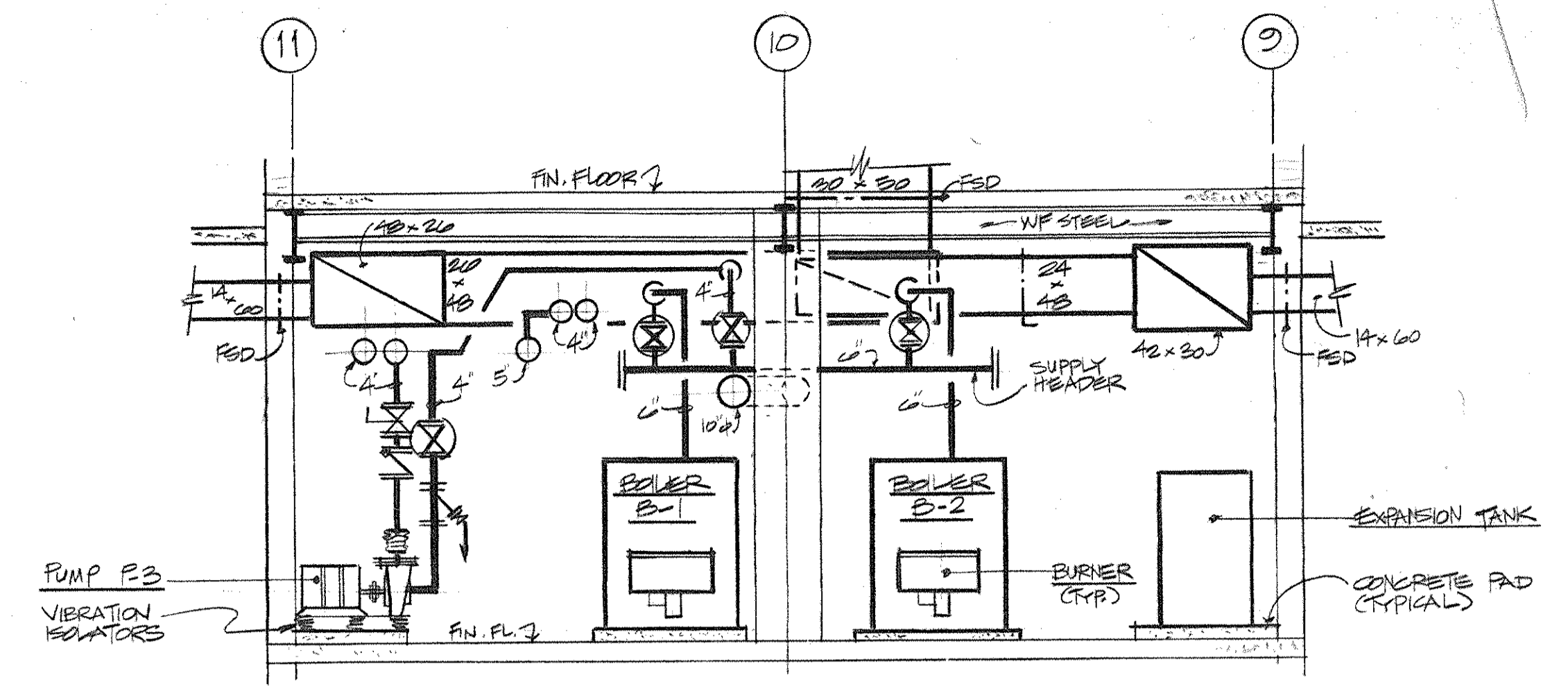
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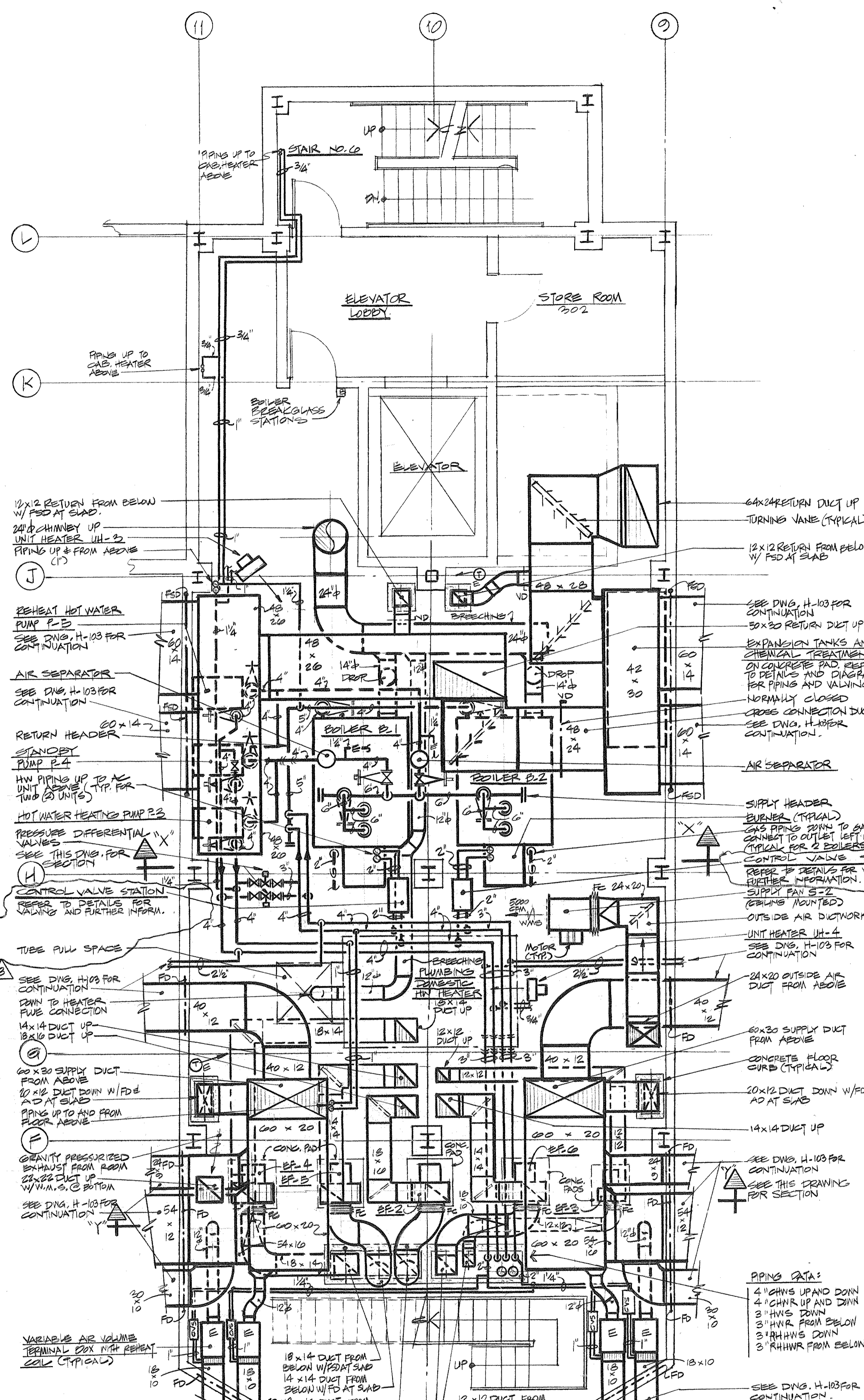
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ROOFTOP MECHANICAL ROOM (#3)
 SCALE: 1/4" = 1'-0"



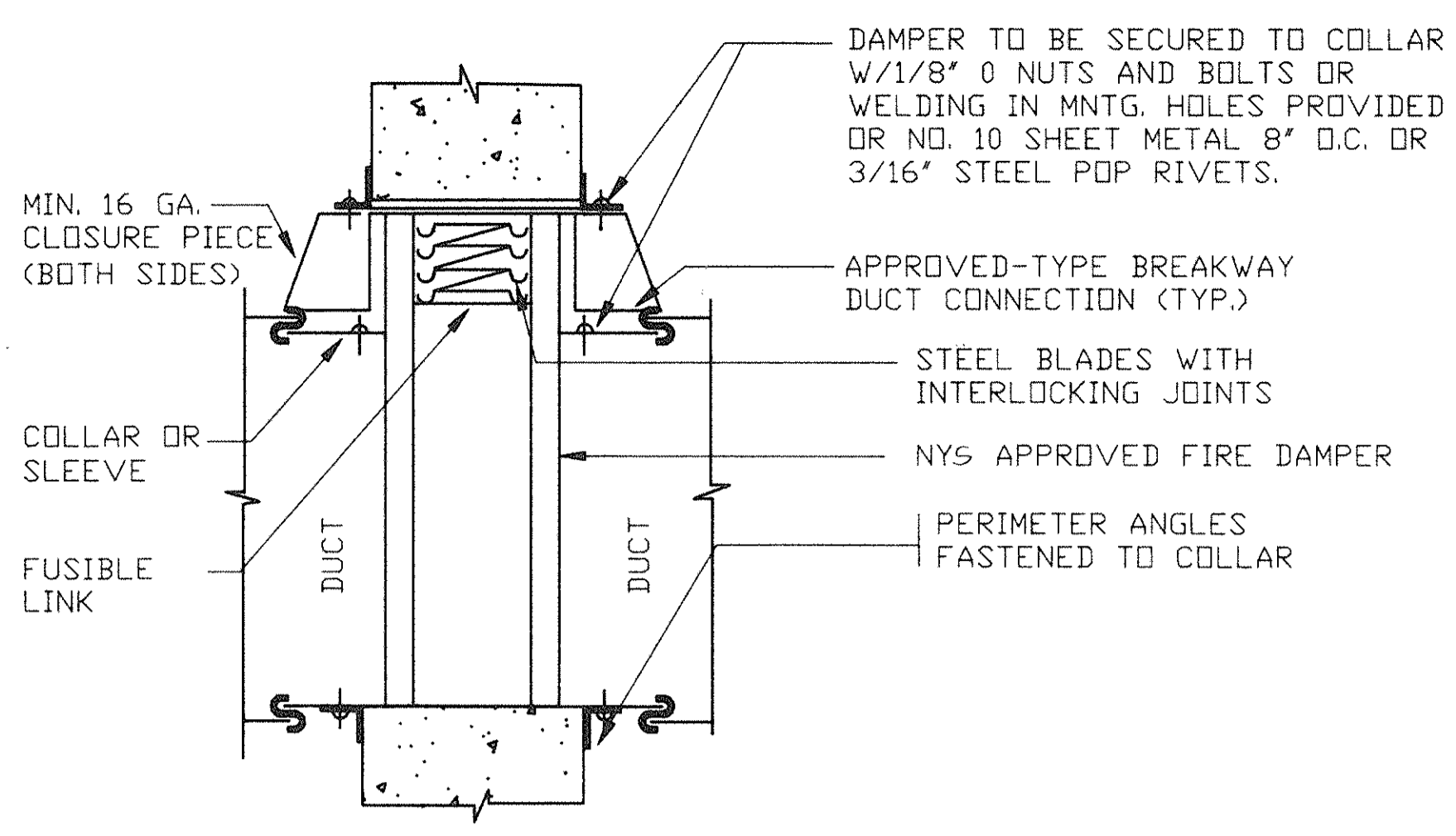
THIRD FLOOR MECHANICAL ROOM (#2)
 SCALE: 1/4" = 1'-0"

REV ELEV MEE EXH. DUCT SIDE, CHANGED SQ. ELBOWS TO ROUND ON MP SUPPLY DETS, AND DELETED VD.

3	8.9.94	GENERAL REVISIONS
2	5.4.94	HAC DD ISSUE
1	3.21.94	COST ESTIMATE ISSUE
No.	Date	Revision
Drawn By	MS	Date
Checked By	MS	Date
Issue Date		
Scale	1/4" = 1'-0"	
Key Plan		

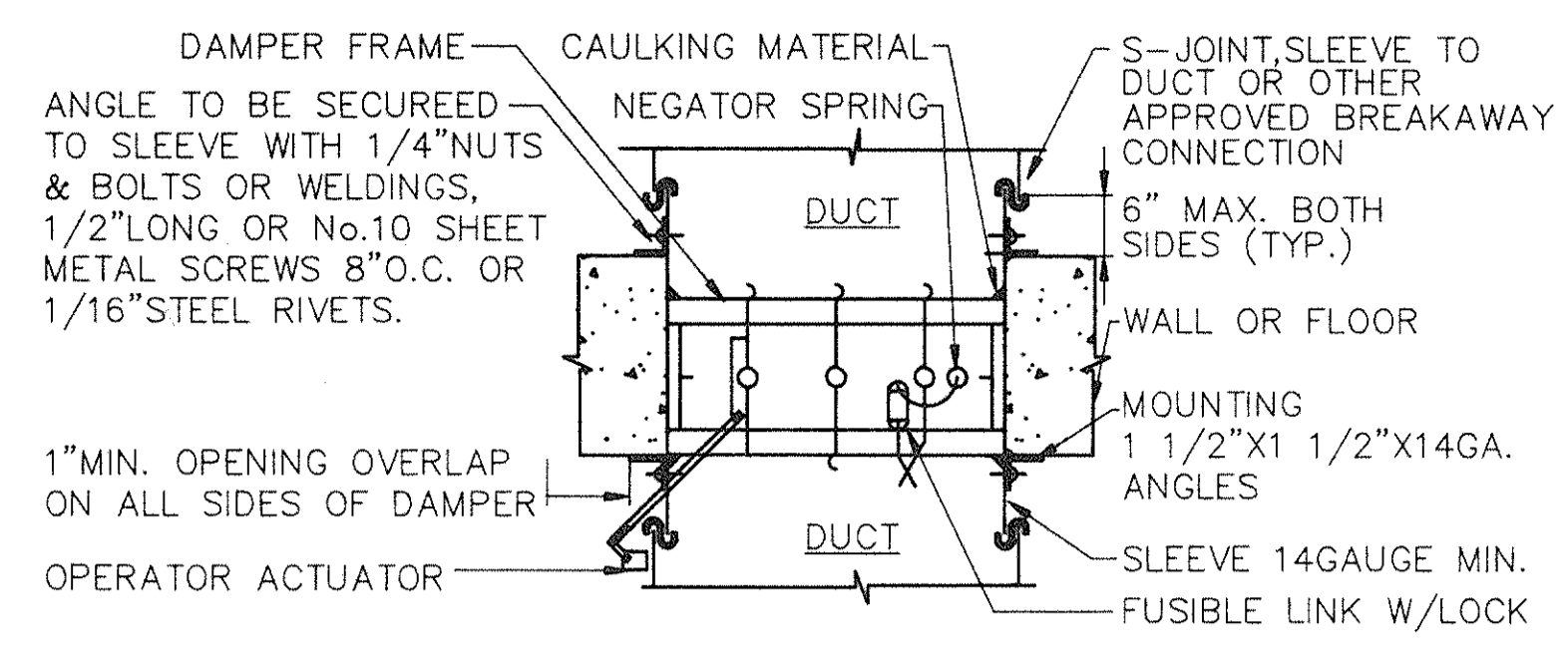
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MECHANICAL EQUIPMENT ROOM NO. 2 AND 3 PLANS





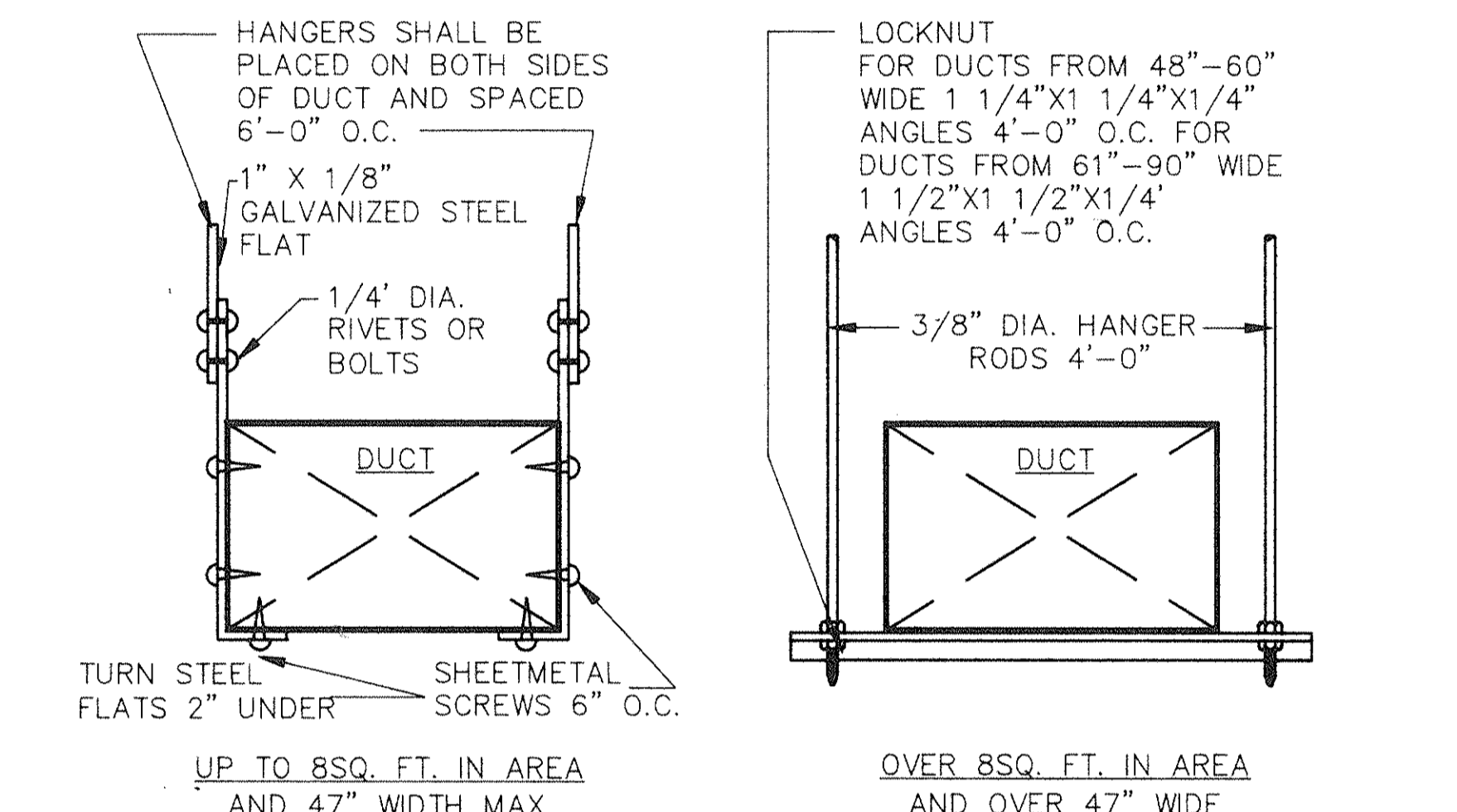
NOTES:
1. ACCESS DOORS FOR FIRE DAMPERS SHALL BE 12" X 12" MIN. UNLESS NOTED OTHERWISE.
2. COLLAR TO BE SAME GA. OR HEAVIER THAN DUCT (12 GA. MIN.) GA. TO CONFORM WITH SMACNA OR ASHRAE STANDARD.

FIRE DAMPER DETAIL
N.T.S.

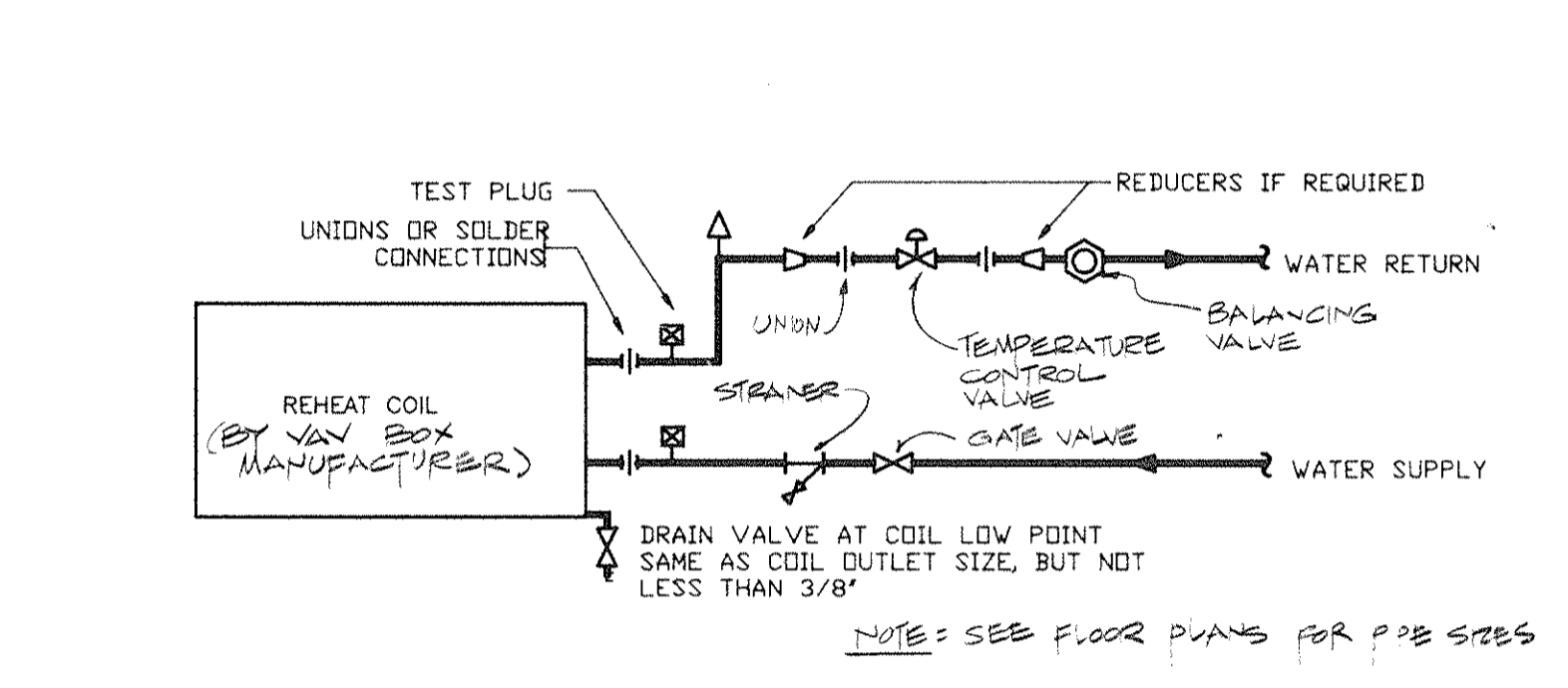


NOTES:
A. FIRE DAMPER MODE: HIGH TEMPERATURE MELTS FUSIBLE LINK, CLOSING FIRE DAMPER.
B. SMOKE DAMPER MODE: ACTUATED BY SMOKE CONTROL SYSTEM.
C. SECURE DAMPER TO SLEEVE USING 1/4" NUTS & BOLTS OR WELDING, 1/2" LONG DR NO.10 SHEET METAL SCREWS 8" O.C. OR 3/16" STEEL RIVETS.
D. PROVIDE ACCESS DOOR IN DUCT UPSTREAM OR DOWNSTREAM OF THE FIRE DAMPER.
E. COORDINATE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS.

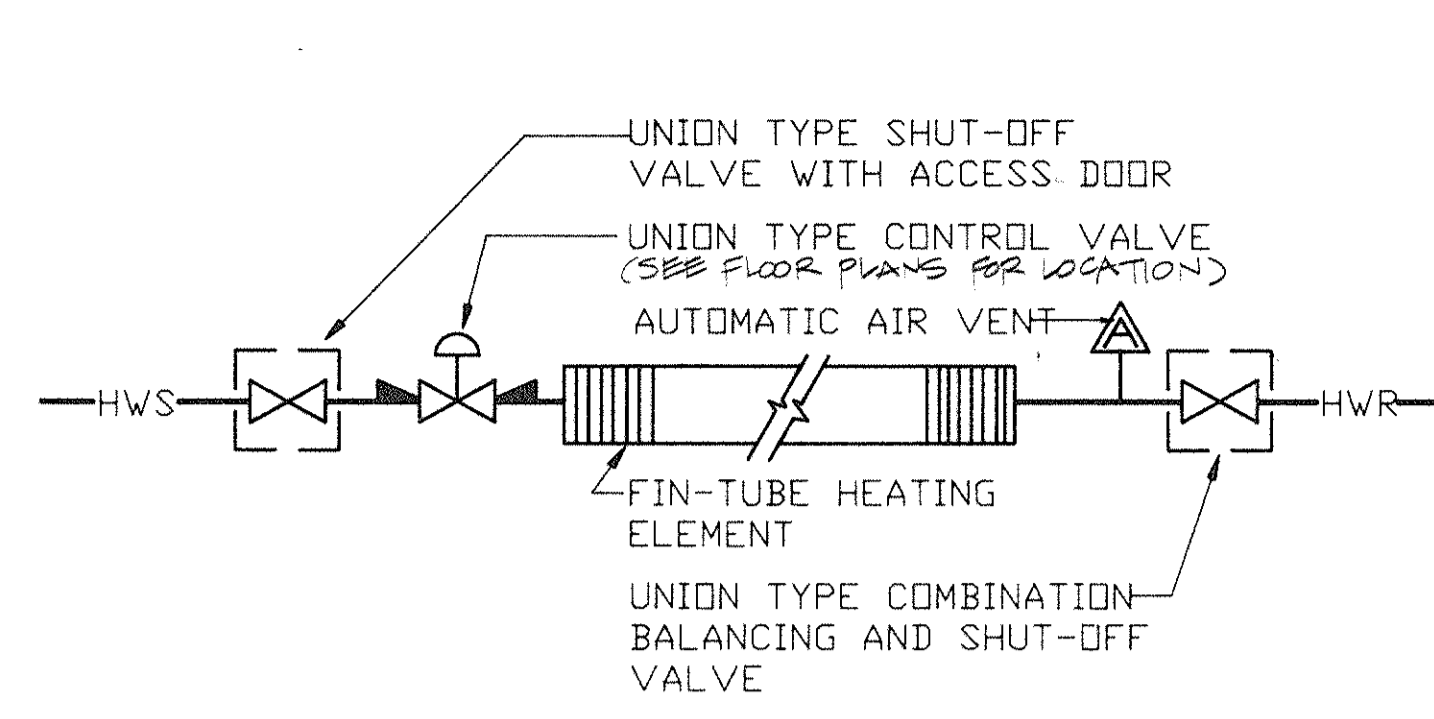
FIRE/SMOKE DAMPER VERTICAL OR HORIZONTAL INSTALLATION DETAIL
N.T.S.



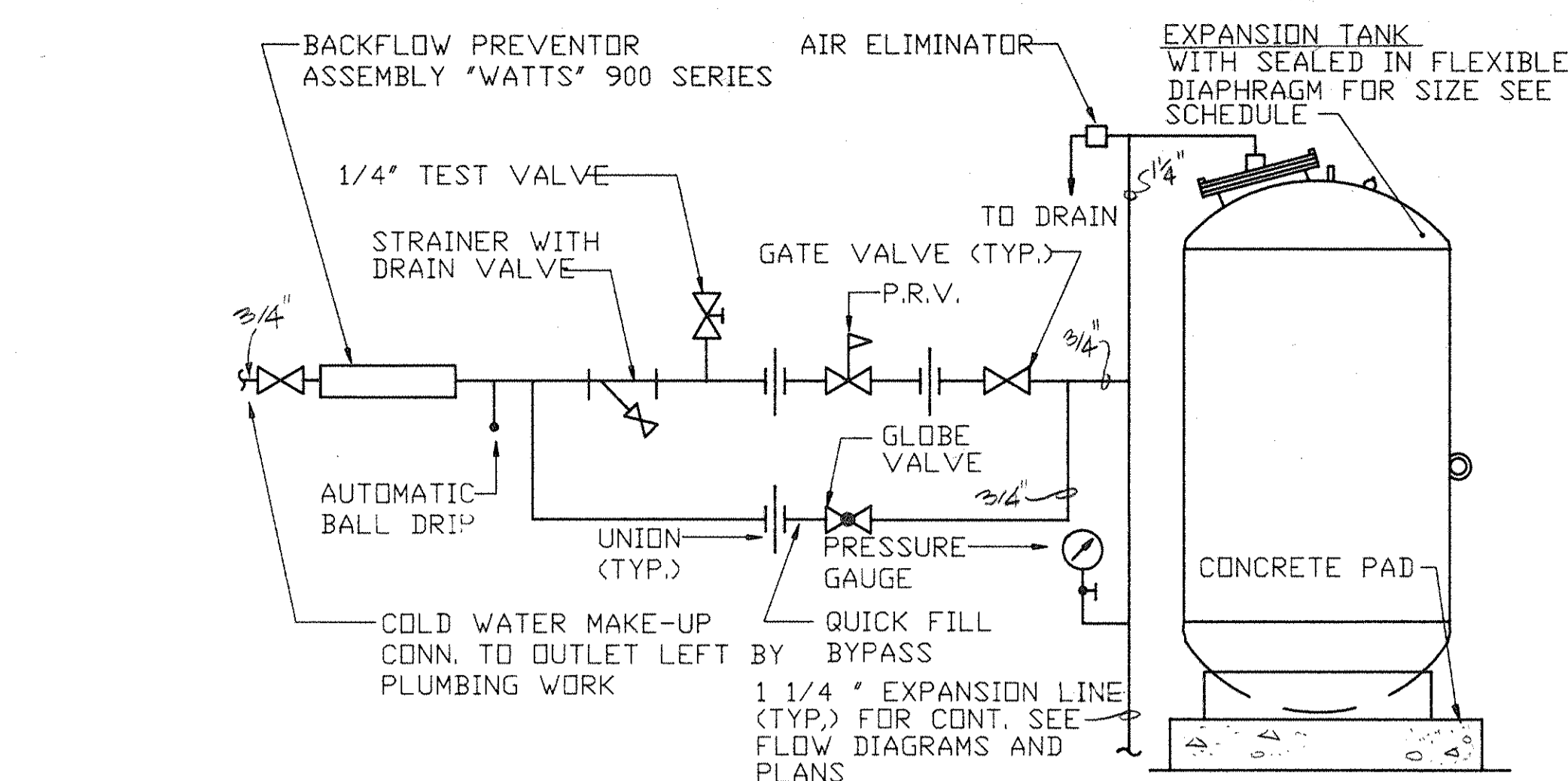
METHOD OF SUPPORTING DUCTS
N.T.S.



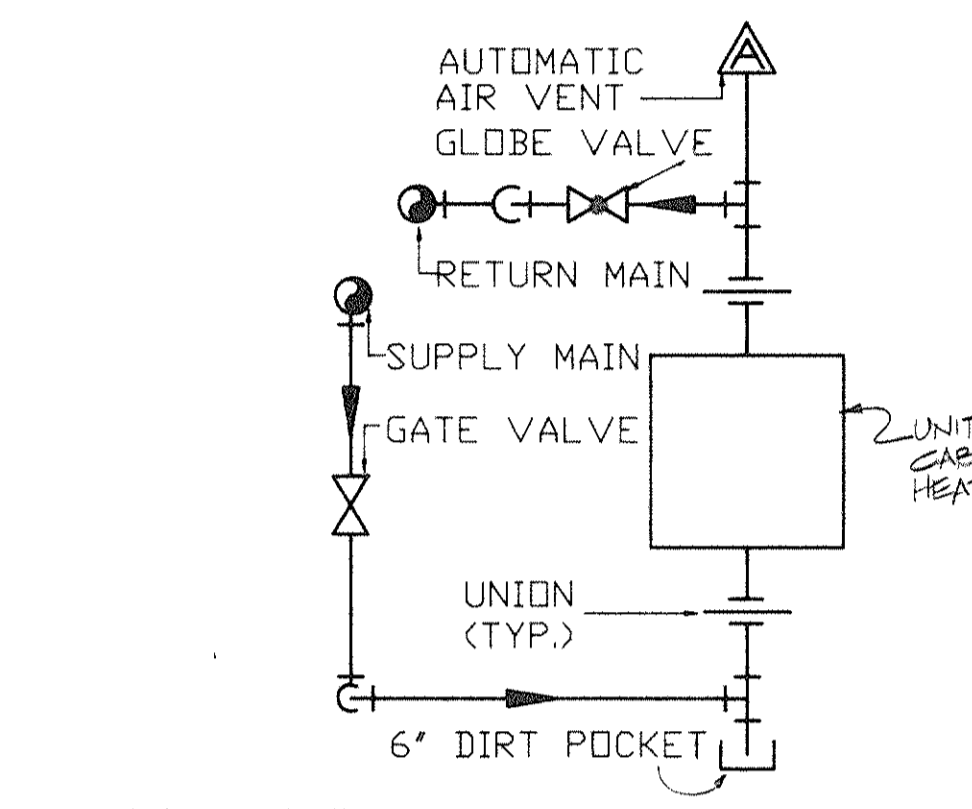
REHEAT COIL PIPING DETAIL
N.T.S.



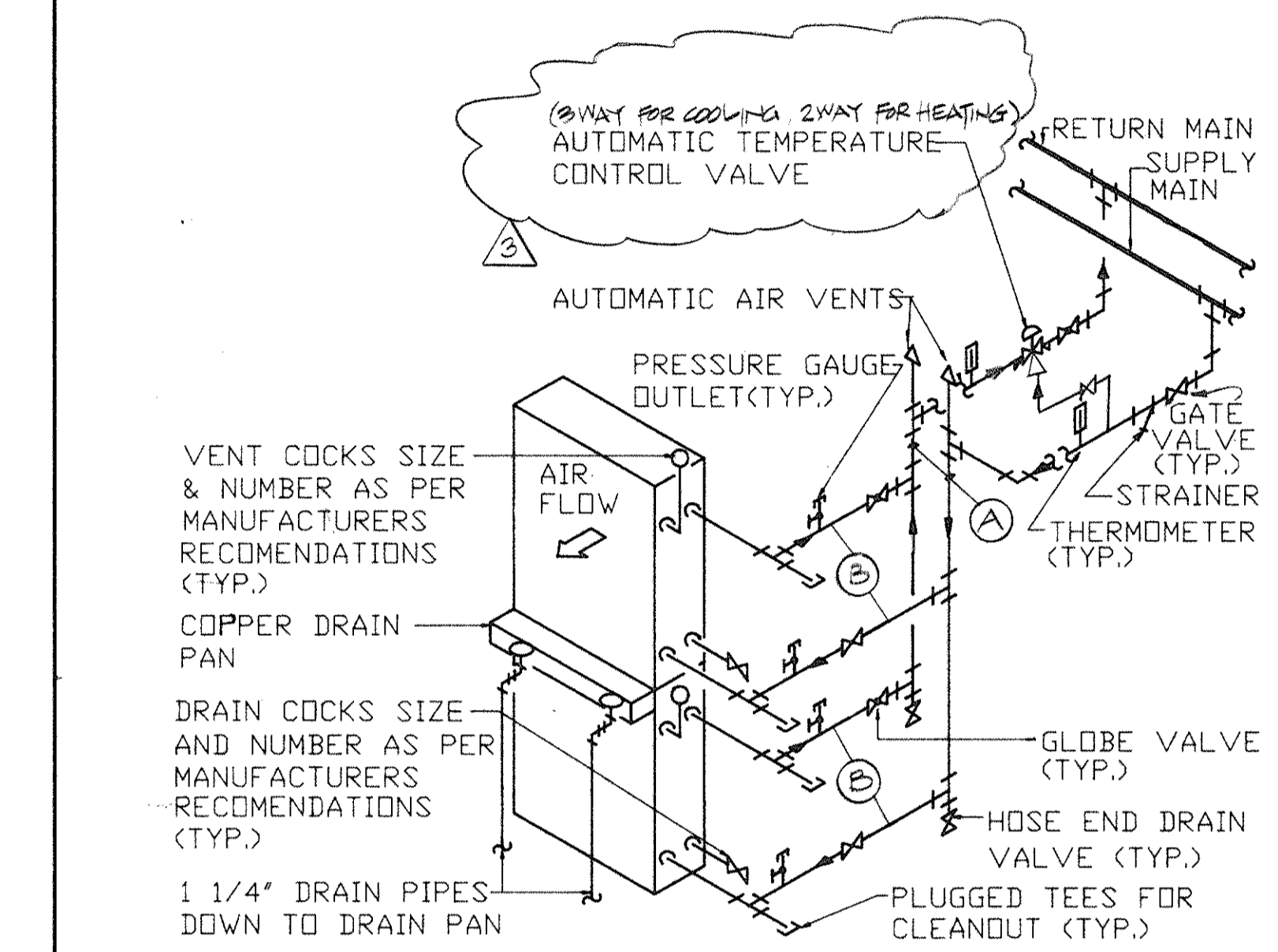
ONE-ROW HOT WATER FIN-TUBE RADIATOR PIPING
N.T.S.



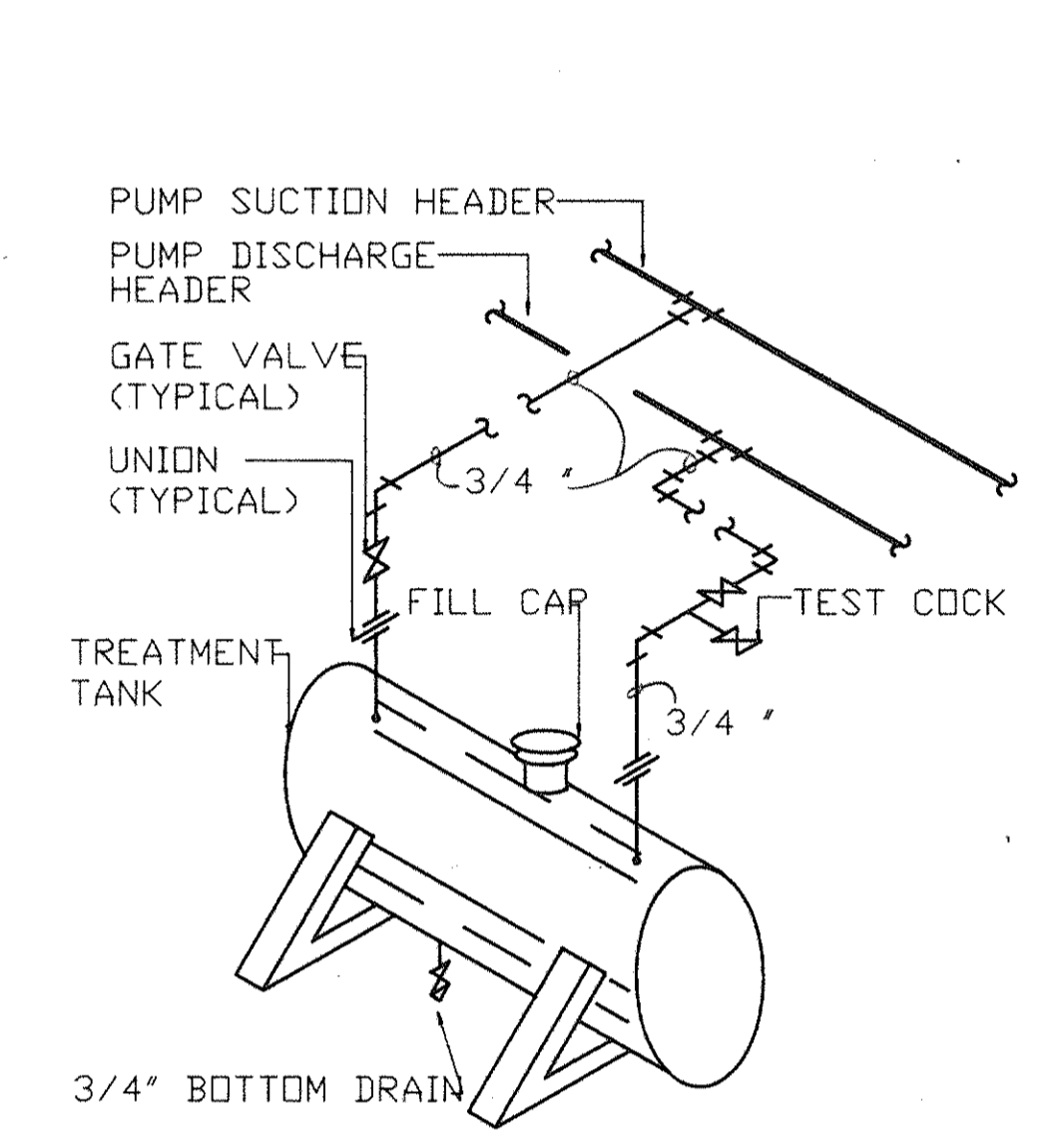
PRE-PRESSURIZED EXPANSION TANK
N.T.S.



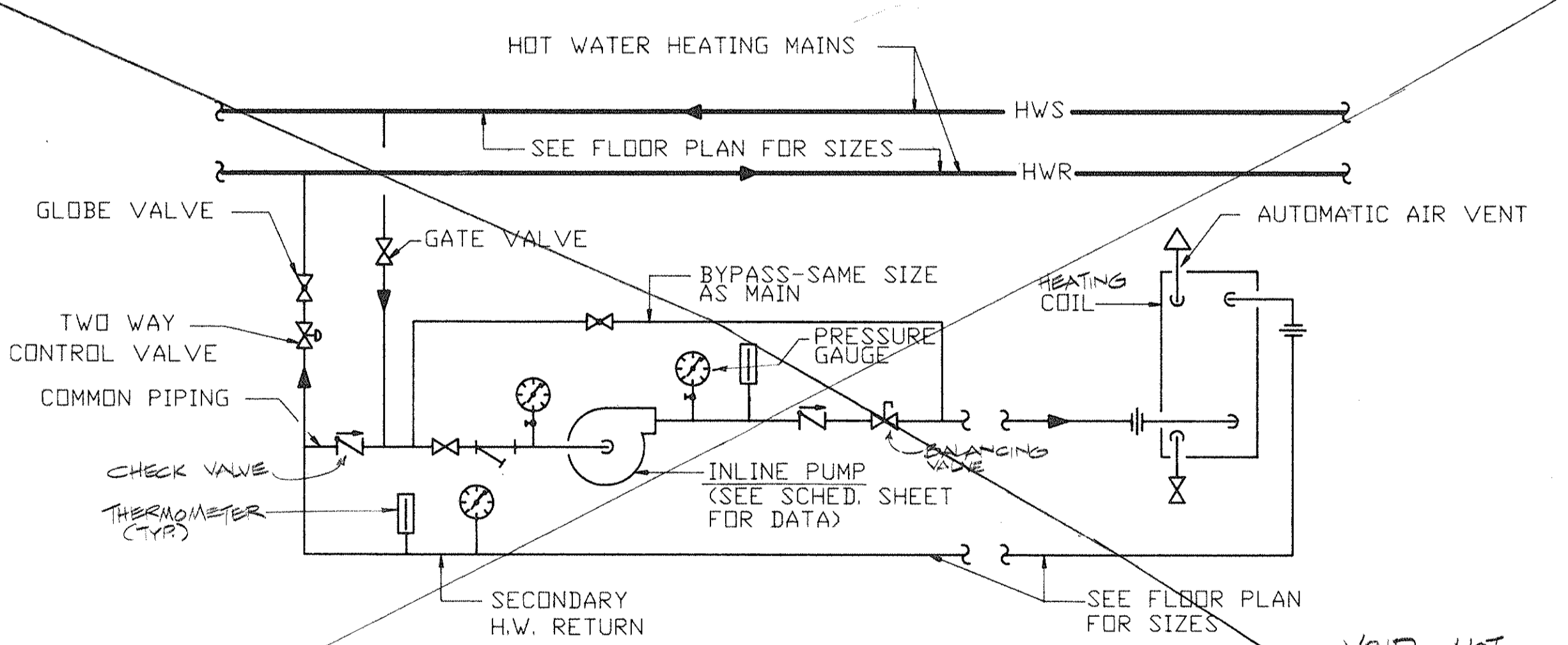
HOT WATER UNIT HEATER OR CABINET HEATER PIPING
N.T.S.



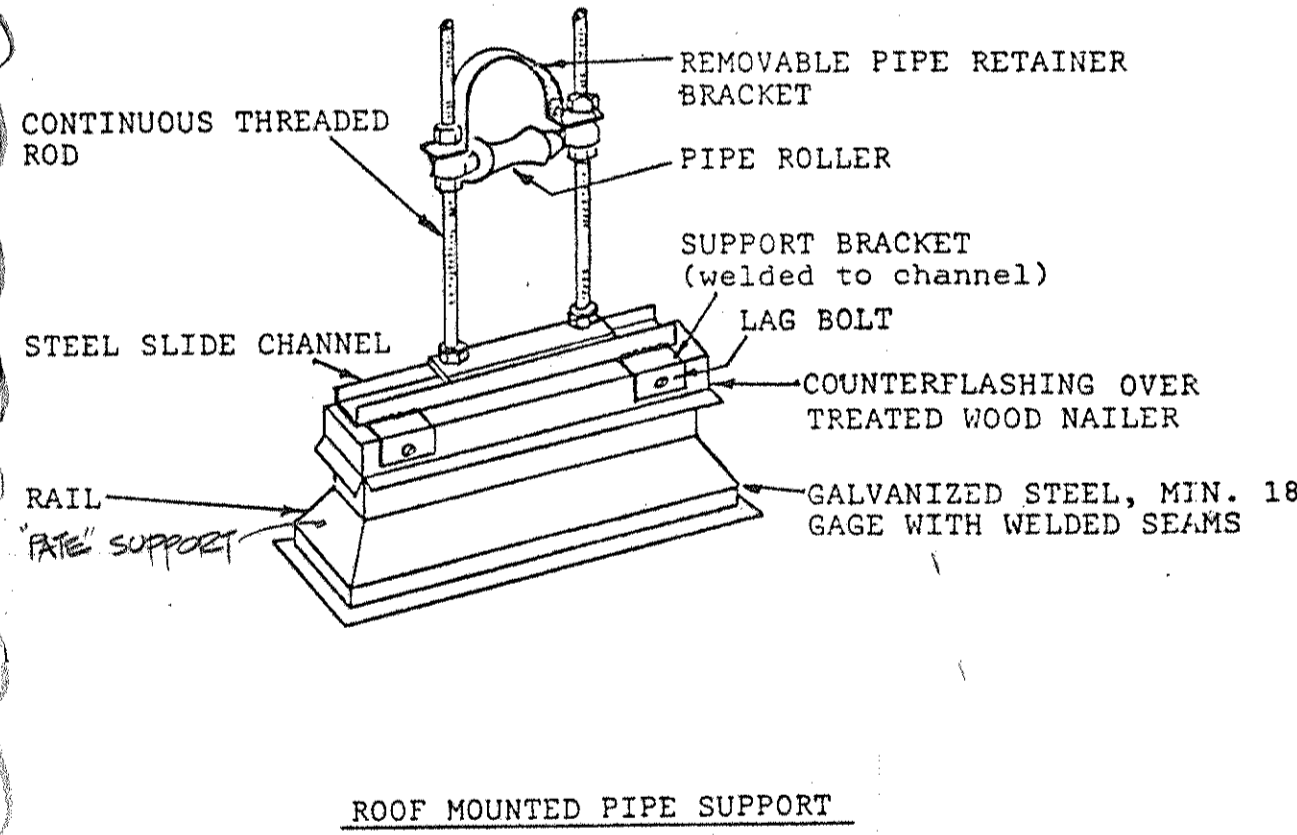
COOLING + HEATING COIL PIPING DETAIL (AHU-5#2)
N.T.S.



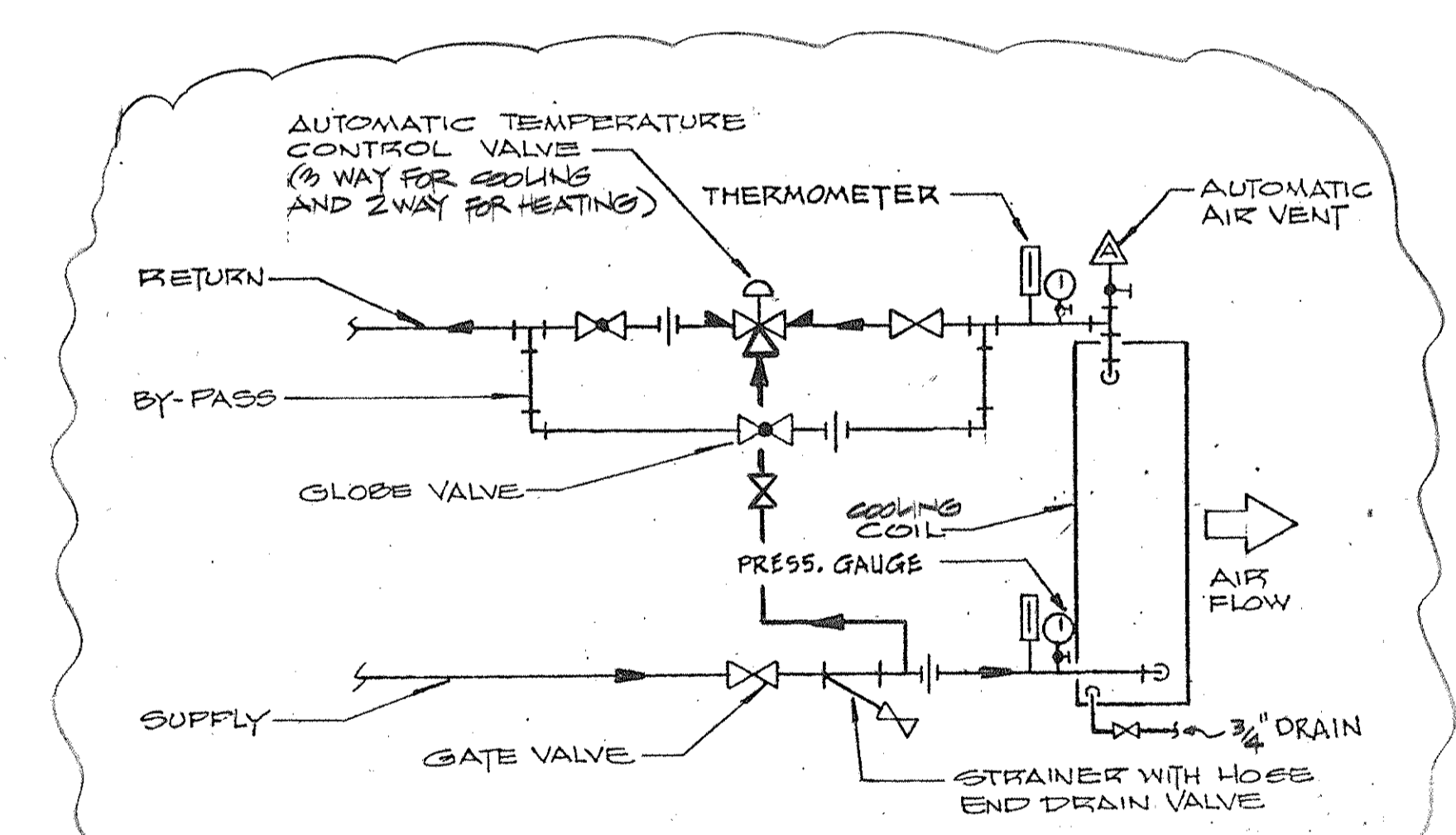
CHEMICAL TREATMENT FOR HOT + CHILLED WATER SYSTEM
N.T.S.



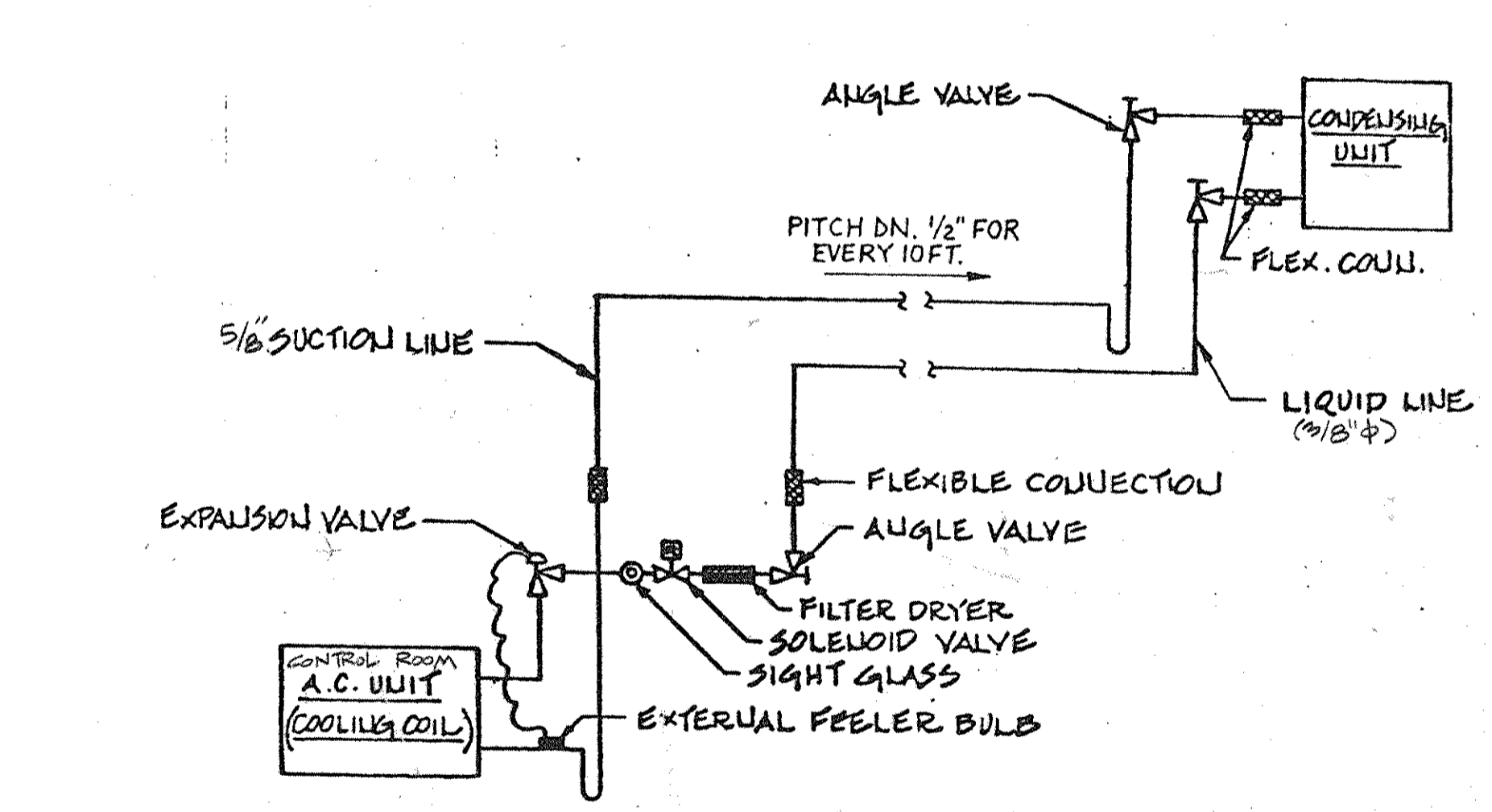
PROTECTION PUMP DETAIL
N.T.S.



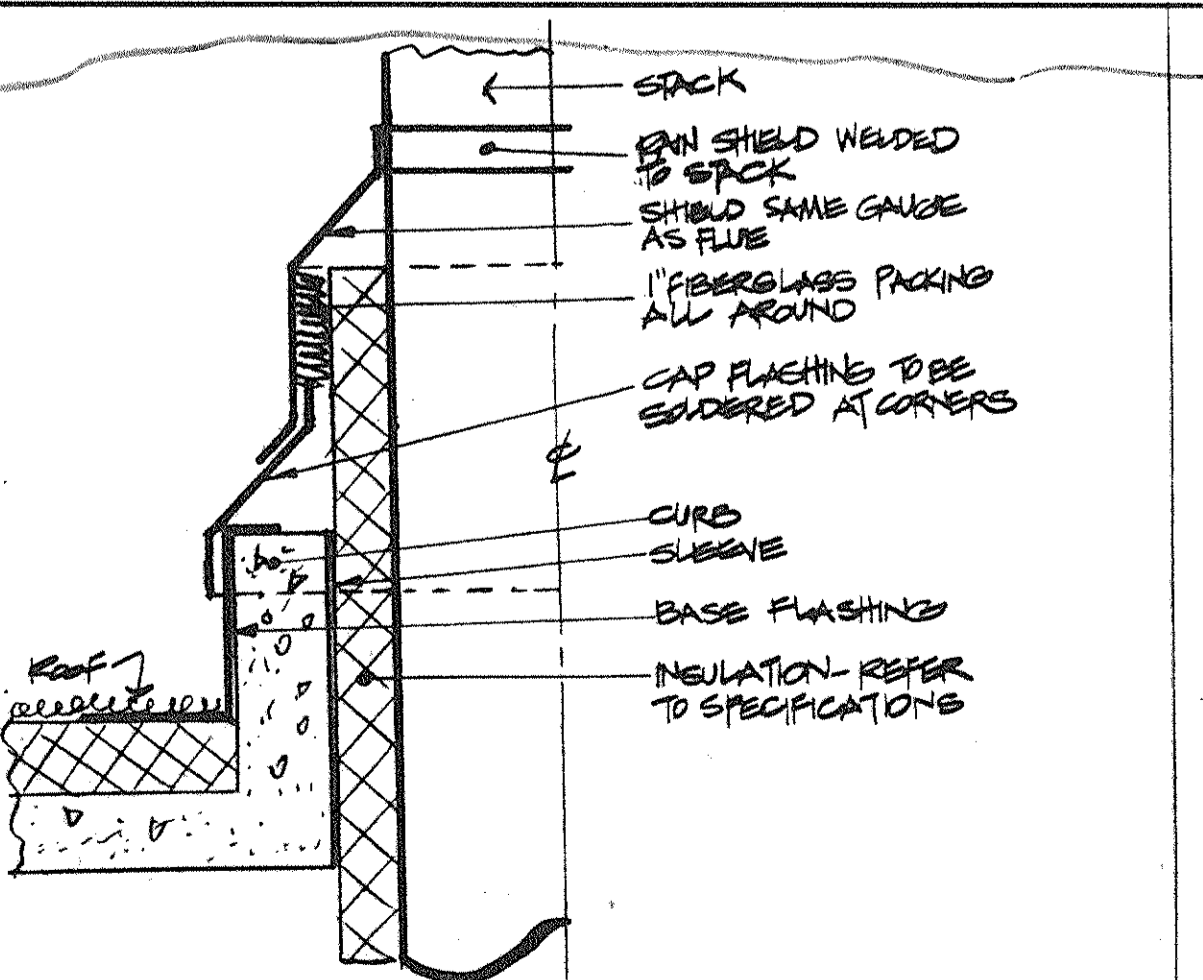
ROOF MOUNTED PIPE SUPPORT
NO SCALE



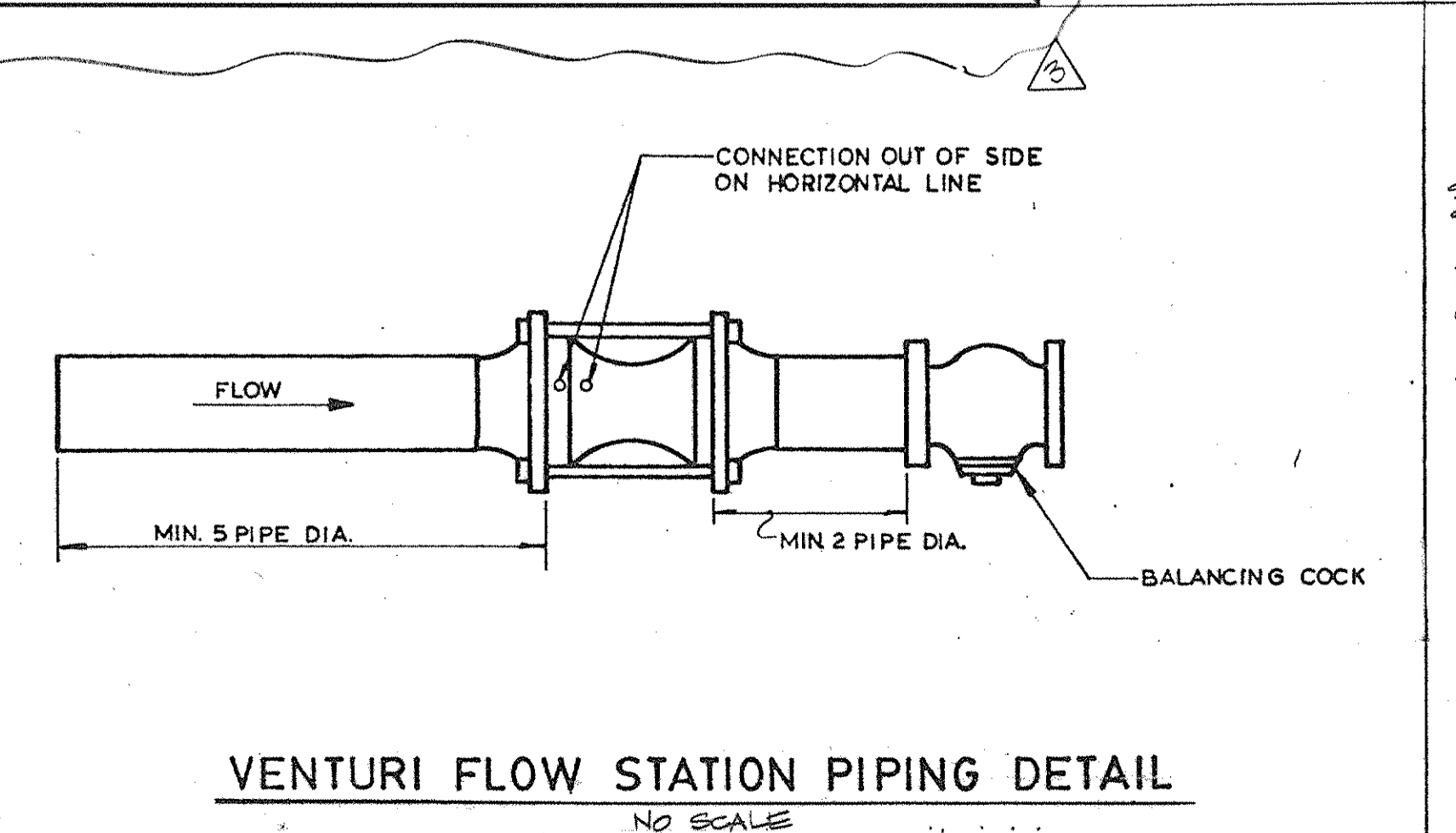
HEATING COIL AND COOLING COIL PIPING DETAIL (AHU-1,2,3,4)
N.T.S.



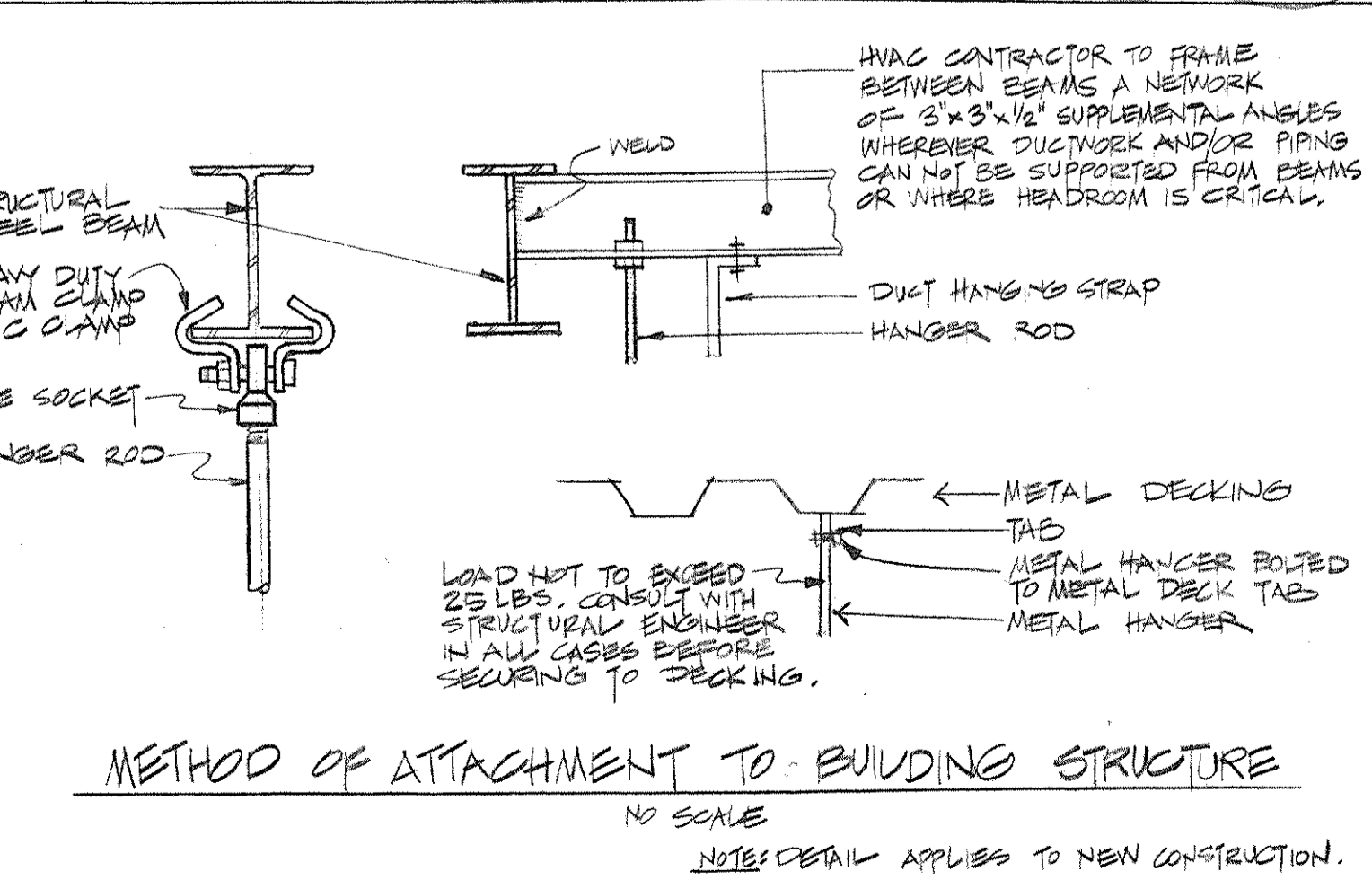
REFRIGERATION PIPING DIAGRAM
N.T.S.



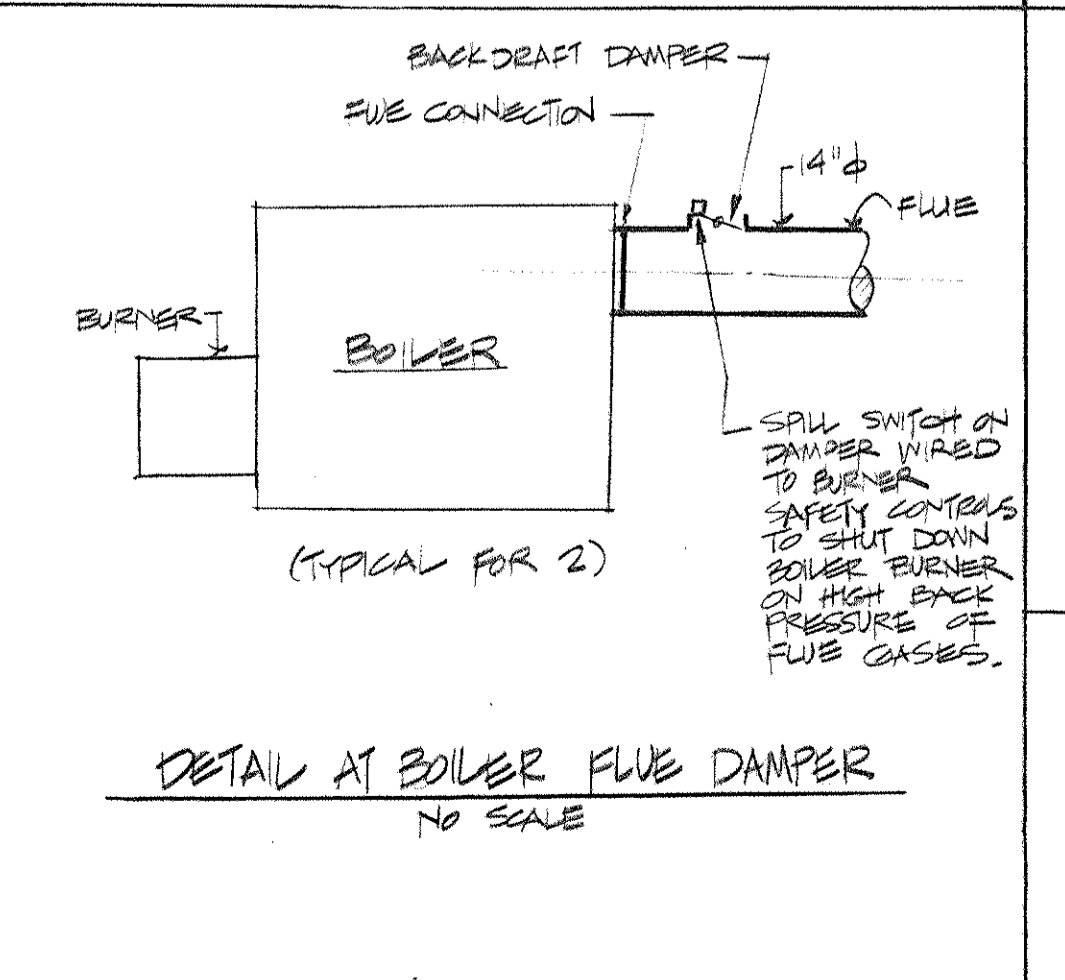
BOILER STACK THROUGH ROOF DETAIL
NO SCALE



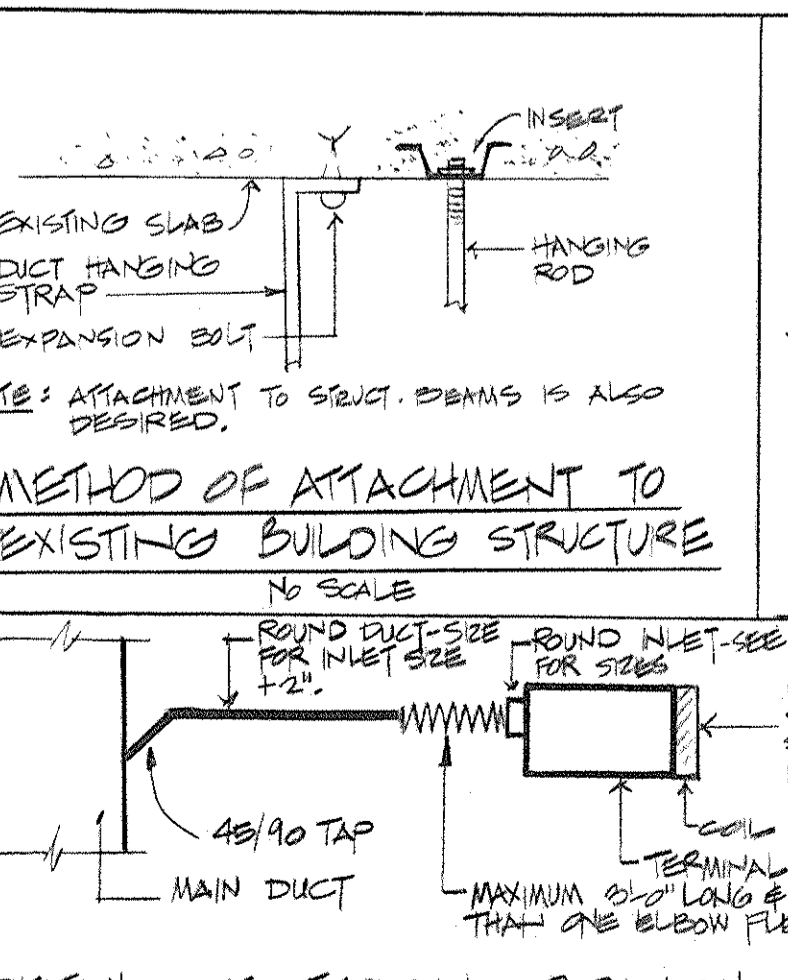
VENTURI FLOW STATION PIPING DETAIL
NO SCALE



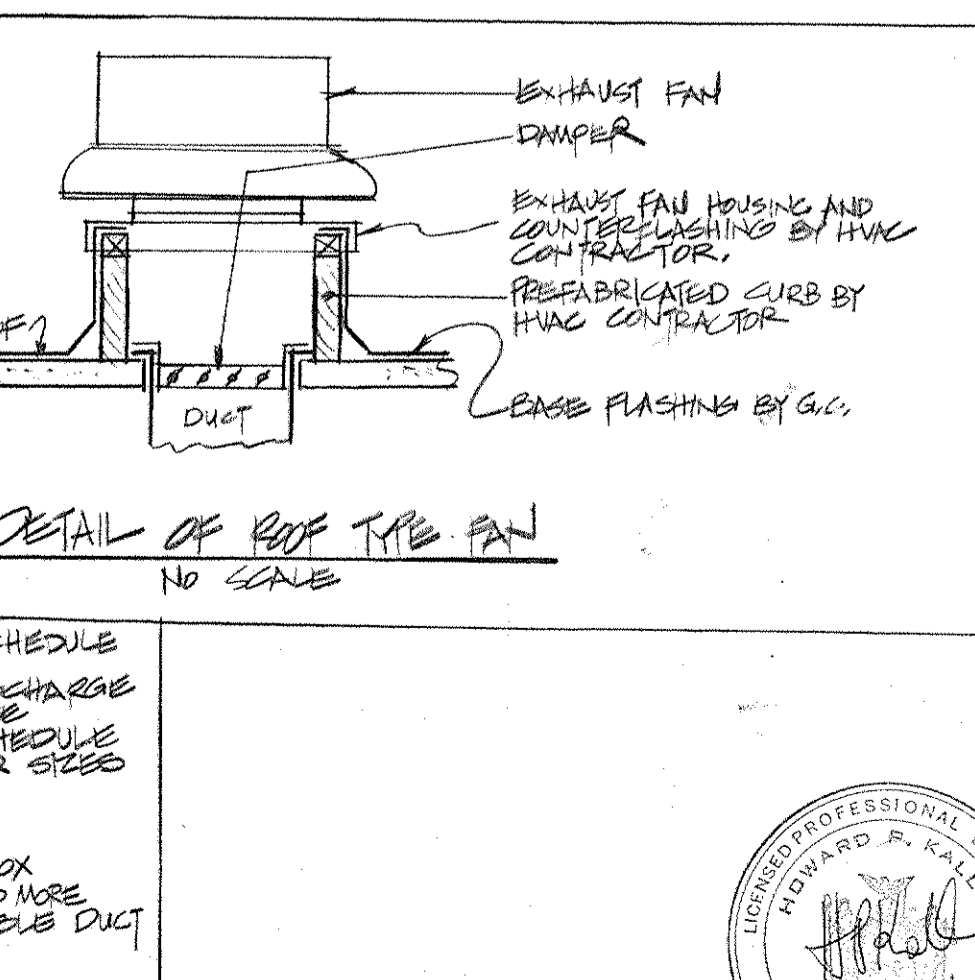
METHOD OF ATTACHMENT TO BUILDING STRUCTURE
NO SCALE



DETAIL AT BOILER FLUE DAMPER
NO SCALE



DETAIL OF TYPICAL BRANCH CONNECTION TO TERMINAL BOX
NO SCALE



DETAIL OF ROOF TYPE FAN
NO SCALE

No.	Date	Revision
1	8.21.92	EST. ESTIMATE ISSUE
2	5-4-95	HVAC EMD ISSUE
3	-	-94 GENERAL REVISIONS

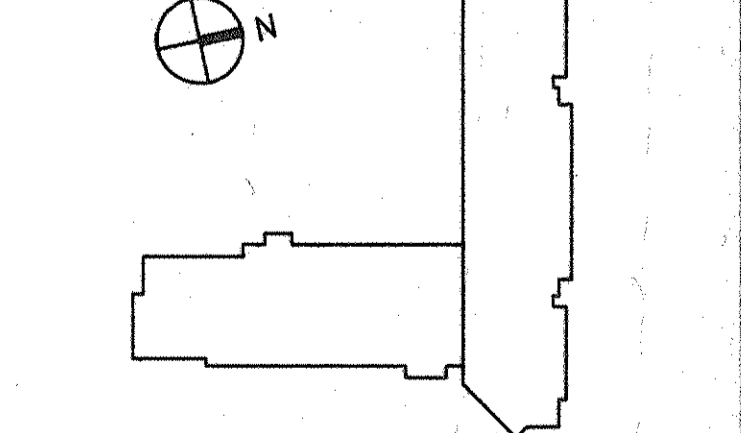
Drawn By: HG Date: _____

Checked By: NS Date: _____

Issue Date: _____

Scale: AS NEEDED

Key Plan: _____



TYPICAL HVAC DETAILS

Drawing Title: _____

Dutchess County Jail

Phase 3 Addition & Renovations
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Poughkeepsie, N.Y. 12602

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Tel 914/471-7898

2	5.4.94	HVAC BID ISSUE
1	3.31.94	COST ESTIMATE ISSUE
No.	Date	Revision

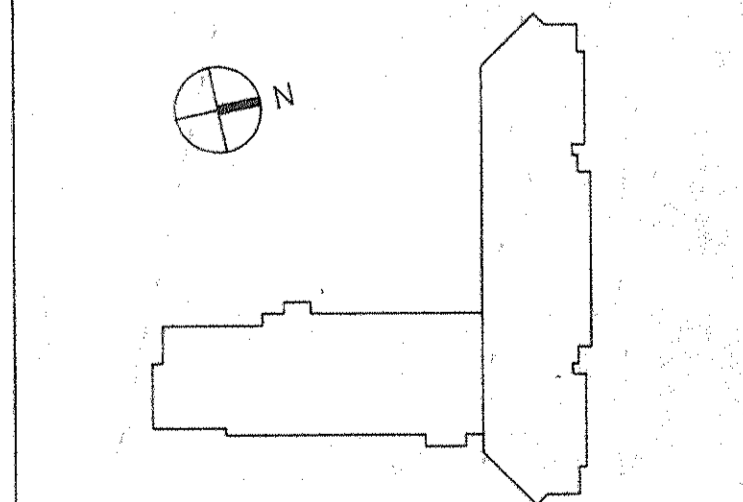
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Issue Date:

Scale: NONE

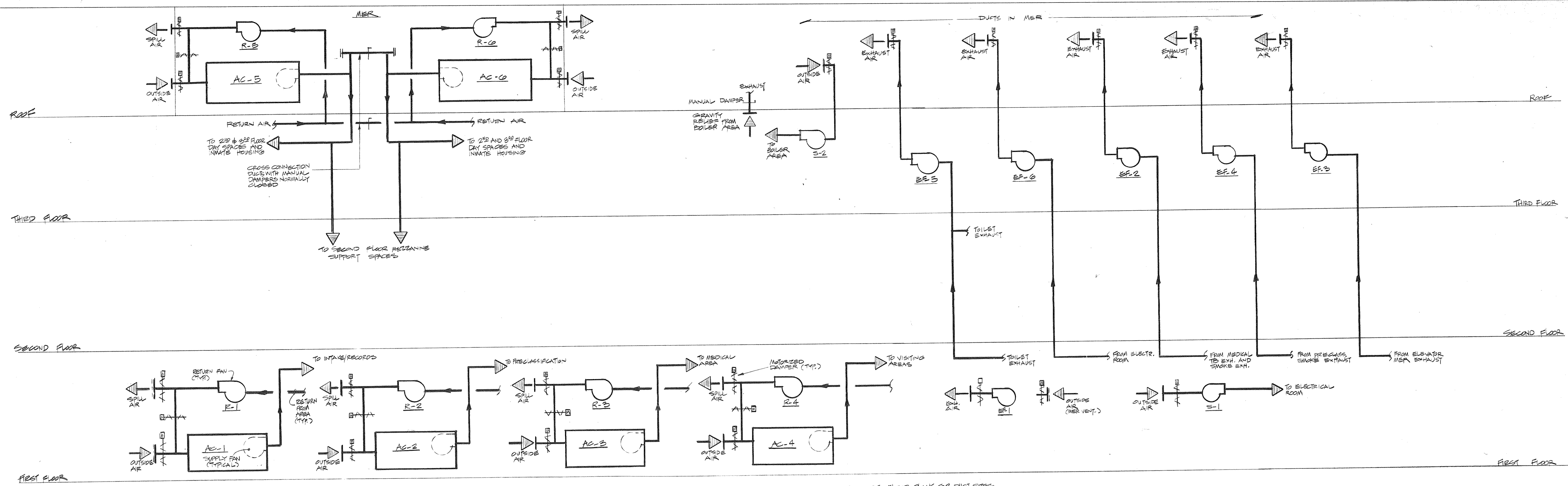
Key Plan:



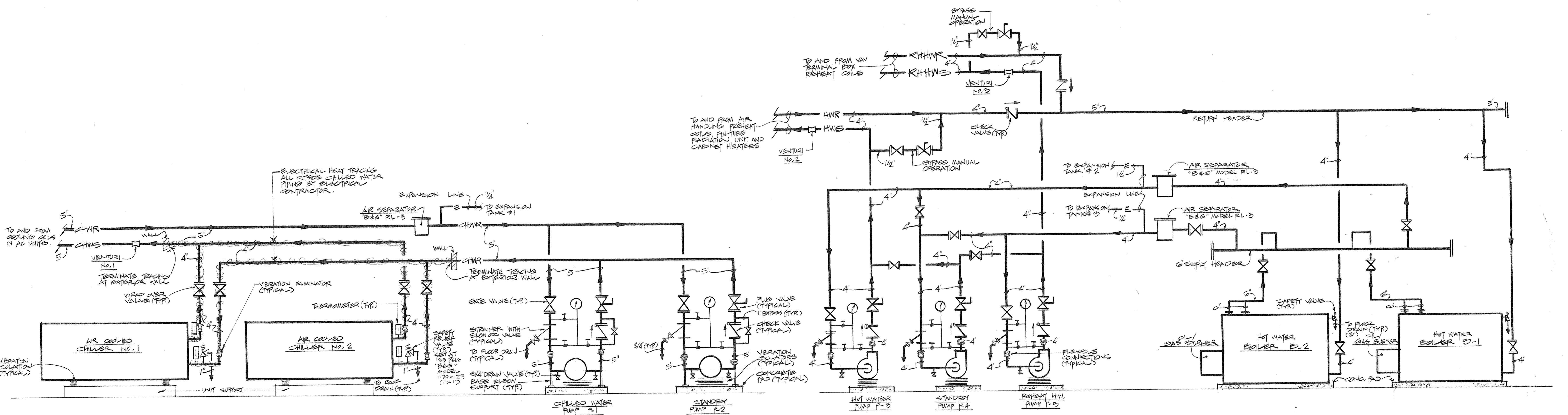
Drawing Title:

HVAC RISER DIAGRAM

62 Project No. 91-1286
84 Project # 8801.00
Drawing No.



AIR FLOW DIAGRAM
NO SCALE



PIPING FLOW DIAGRAM
NO SCALE



SCHEDULE OF AIR HANDLING UNITS

Table with columns: GENERAL, FANS, HEATING COILS, COOLING COILS, FILTERS. Includes unit numbers, services, locations, models, and various technical specifications.

NOTES: (1) SCHEDULE STANDARD MANUFACTURER 'TRANE'... (2) PROVIDE VARIABLE NET VANCES FOR ALL THRU AC'S... (3) SEE NOTES AT RIGHT FOR FURTHER HVAC DATA...

UNIT HUNG - GENERAL DATA: COMPRESSORS (1) 1/2 TON (1) 1/2 TON... CONDENSERS (1) 1/2 TON (1) 1/2 TON... FANS (1) 1/2 TON (1) 1/2 TON...

HEATING & COOLING COILS BASED ON 'TRANE' TYPE UNIT... UNIT HUNG - GENERAL DATA: COMPRESSORS (1) 1/2 TON (1) 1/2 TON...

FILTER NOTE: ALL GATEDEE FILTERS INCLUDE 2' PREFILTER... (1) SCHEDULE STANDARD MANUFACTURER 'TRANE'...

SCHEDULE OF AIR COOLED CHILLERS

Table with columns: GENERAL, COMPRESSOR DATA, COND. DATA, CONDENSER FANS DATA, MOTOR DATA. Includes unit numbers, types, leaving/entering water temps, and electrical data.

NOTES: (1) UNIT SHALL HAVE LOW AMBIENT 0 DEGREE F. OPTION... (2) UNIT SHALL BE UL APPROVED... (3) ALL RATINGS BASED ON A.R.I. STANDARDS...

SCHEDULE OF PUMPS

Table with columns: GENERAL, PUMP DATA, MOTOR DATA. Includes unit numbers, services, locations, pump types, and motor specifications.

NOTES: (1) SCHEDULE STANDARD MANUFACTURER 'HONEYWELL'... (2) ON EMERGENCY POWER...

SCHEDULE OF CABINET & UNIT HEATERS

Table with columns: GENERAL, UNIT DATA, MOTOR DATA. Includes unit numbers, locations, services, heater models, and motor data.

NOTES: (1) SCHEDULE STANDARD MANUFACTURER 'TRANE'... (2) ALL CABINET HEATERS SHALL HAVE BUILT IN THERMOSTATS...

GRILLES, REGISTERS & DIFFUSERS

Table with columns: SYMBOL, USE, MODEL NO., CEILING TYPE, ACCESSORIES, FINISH, REMARKS. Lists various grille and diffuser types and their specifications.

NOTES: (1) SCHEDULE STANDARD MANUFACTURER 'TRANE'... (2) PROVIDE VARIABLE NET VANCES FOR ALL THRU AC'S...

SCHEDULE OF PACKAGED H.W. BOILERS

Table with columns: UNIT, SERVICE, LOCATION, MODEL NO., HTWG CAP, DESIGN PRESS, HOT WATER, TYPE, FIRE RISK, FUEL, MOTOR ELECTRIC DATA, CONTROL CIRCUITS, REQUIRED BRANT, INSURANCE STANDARD, REMARKS.

NOTES: (1) SCHEDULE STANDARD MANUFACTURER 'WELLS'... (2) BOILER SHALL BE PENNSTATE MODEL WCR-2-80-20...

SCHEDULE OF EXPANSION TANKS

Table with columns: NO., SERVICE, LOCATION, MFRS MODEL NO., SYSTEM CAPACITY GAL. APPROX., PHYSICAL SIZE DIA X LEN, OPER MAXIMUM PSIG, PRESSURE MINIMUM PSIG, WEIGHT LBS, REMARKS.

NOTES: (1) SCHEDULE STANDARD MANUFACTURER 'AMTROL'...

SCHEDULE OF VARIABLE AIR VOLUME BOXES

Table with columns: SYMBOL, AIR VOLUME RANGE, UNIT SIZE, INLET CONNECTION DIA. INCH, DISCHARGE CONNECTION DIA. INCH, NO. LEVELS, MIN. PRESSURE, MAX. PRESSURE, REMARKS.

SCHEDULE OF ENTIRE RADIATION

Table with columns: SYMBOL, MODEL, HEATING CAPACITY BTU/LF, EXPOSED SURFACE AREA SQ. FT., FIN INCH, FIN INCH, PIPE SIZE INCH, PIPE MATERIAL, NO. OF RAYS.

SCHEDULE OF SOUND TRAPS

Table with columns: UNIT NUMBER, SERVICE, LOCATION, AIR QUANTITY CFM, LENGTH (IN.), STATIC PRESSURE IN. W.G., MODEL NO., REMARKS.

NOTES: (1) SCHEDULE STANDARD MANUFACTURER 'INDUSTRIAL ACOUSTICS'...

SCHEDULE OF MISC. SYSTEM MOTORS

Table with columns: SERVICE, LOCATION, MOTOR QUANTITY, MOTOR HP, VOLTS PH, REMARKS.

NOTES: (1) SCHEDULE STANDARD MANUFACTURER 'WESTINGHOUSE'... (2) EXISTING JAIL CONTROL ROOMS...

Dutchess County Jail

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△	7-15-94	RESTROOM BACK IN
△	8-9-94	GENERAL REVISIONS
2	8-4-94	HVAC BID ISSUE
	3-21-94	COST ESTIMATE ISSUE
No.	Date	Revision

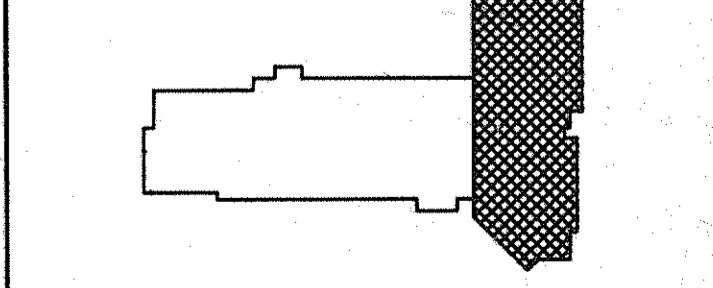
Drawn By: *RC/HSE* Date: _____

Checked By: *ME* Date: _____

Issue Date: _____

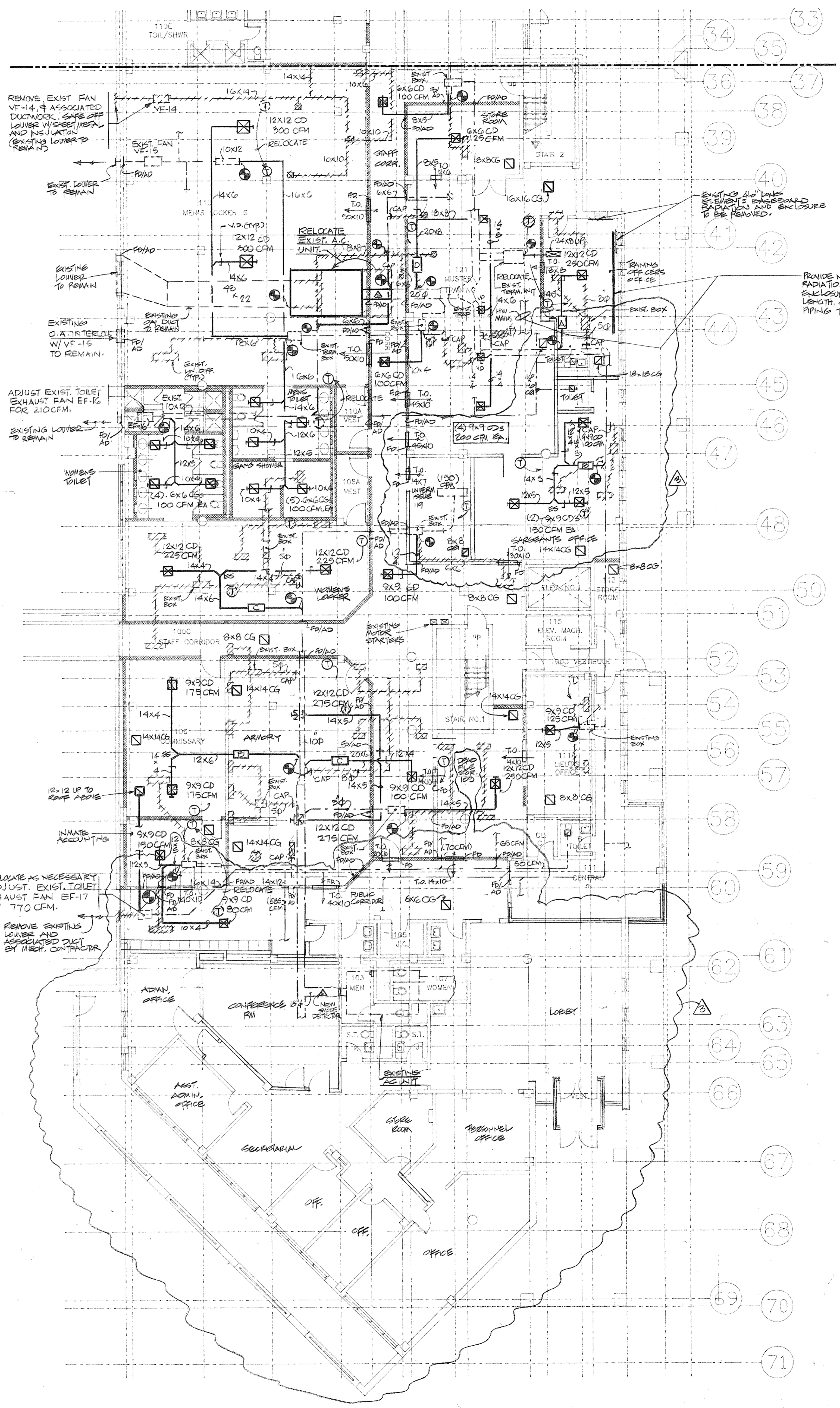
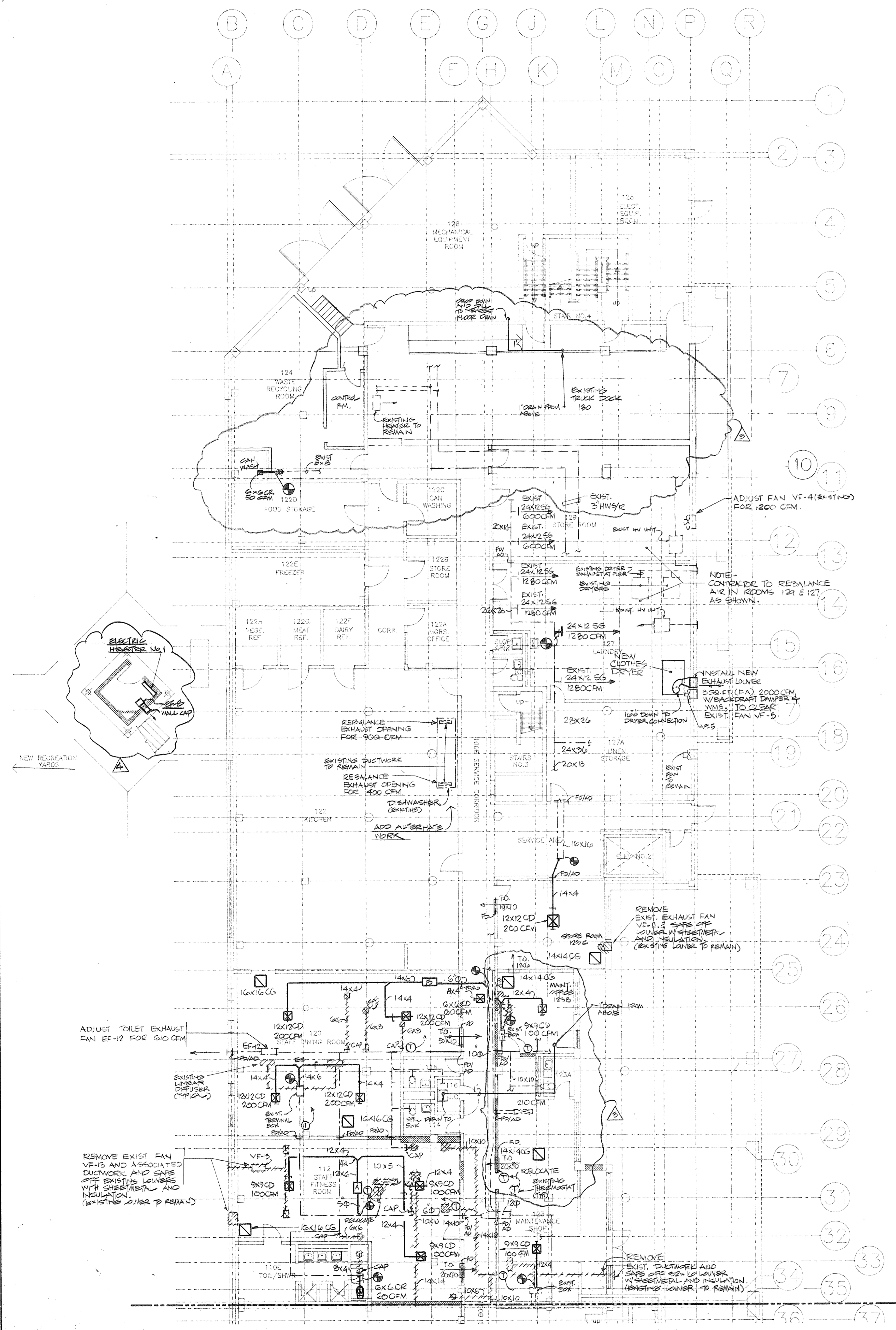
Scale: 1/8" = 1'-0"

Key Plan:



Drawing Title
**EXISTING JAIL
FIRST FLOOR
HVAC PLAN**

CS Project No. 91-1288
64 Project # 9801.01
Drawing No.



LEGEND

	EXISTING PARTITION TO REMAIN
	NEW PARTITION
	EXISTING PARTITION TO BE REMOVED

△	5.9.94	GENERAL REVIEWS
2	5.6.94	HAC BID ISSUE
1	3.21.94	COST ESTIMATE ISSUE
No.	Date	Revision

Drawn By: RCH/MS Date: 3/26/98

Checked By: MS Date: 3/26/98

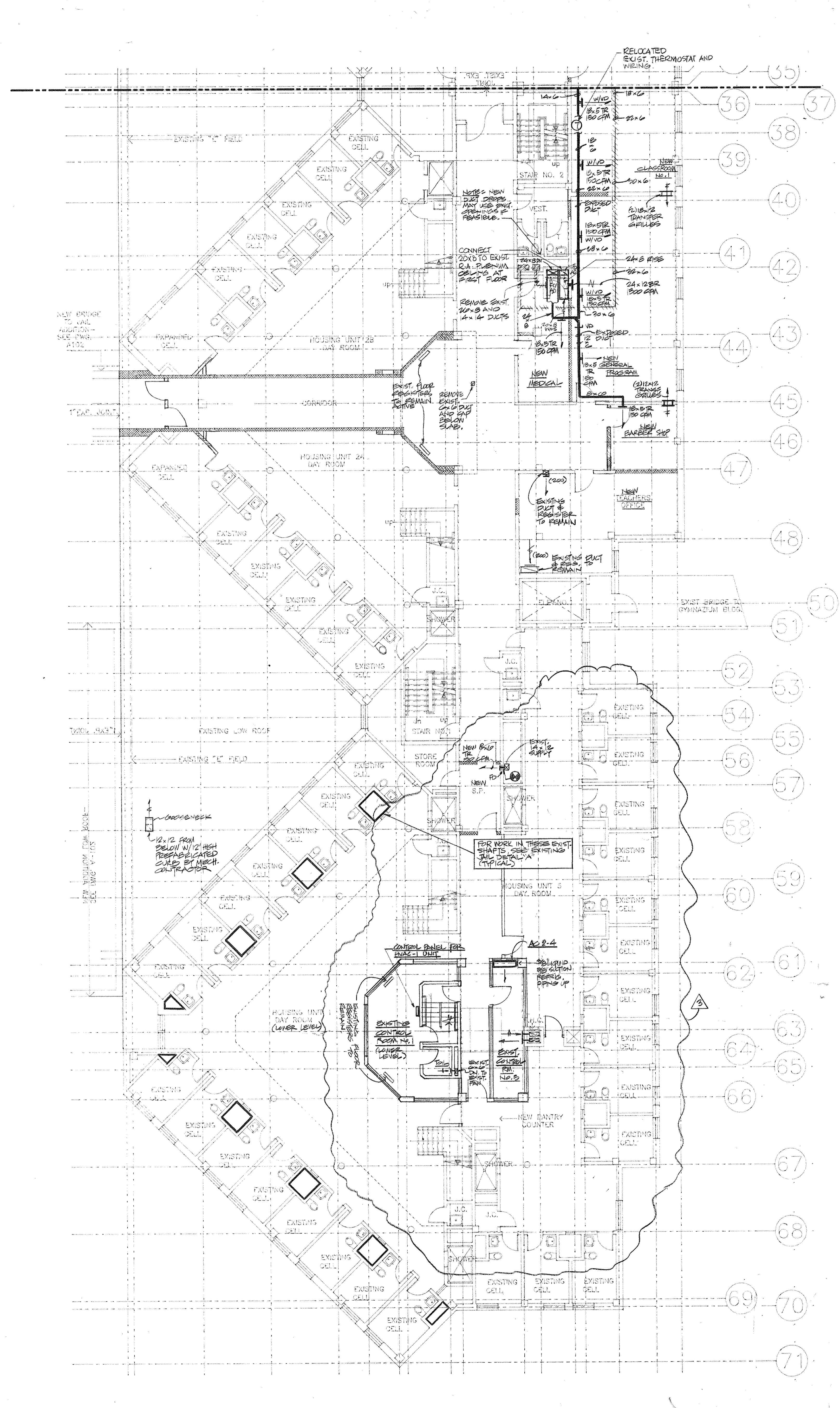
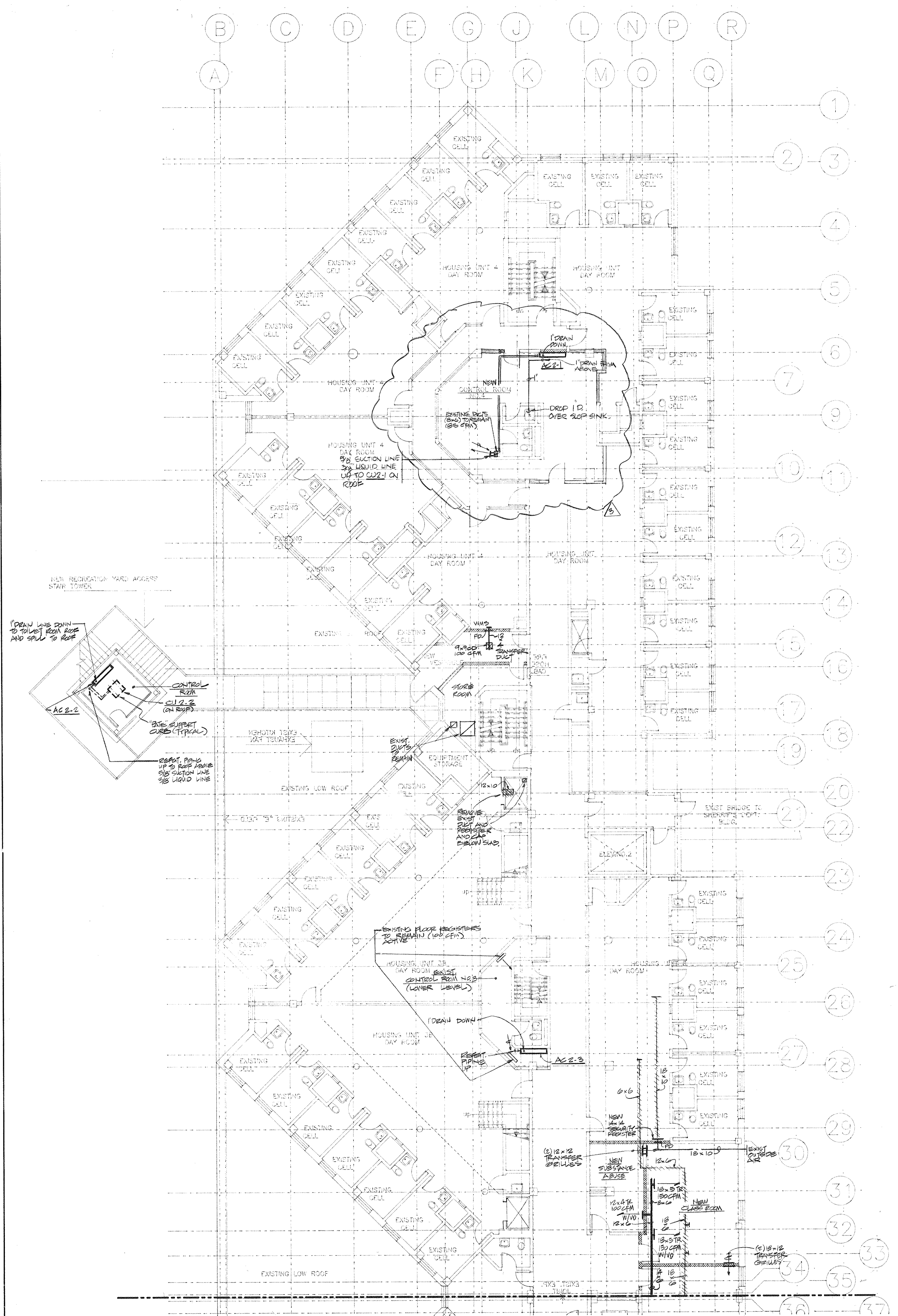
Issue Date: 3/26/98

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

Key Plan: [Diagram showing location of this floor plan within the building footprint]

Drawing Title
**EXISTING JAIL
SECOND FLOOR
HVAC PLAN**

65 Project No. 91-1286
84 Project No. 93001.00
Drawing No.



LEGEND

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- EXISTING PARTITION TO BE REMOVED

Dutchess County Jail

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3-9-94	GENERAL REVISIONS
3-6-94	HVAC BID ISSUE
1-3-94	COST ESTIMATE ISSUE
No.	Date Revision

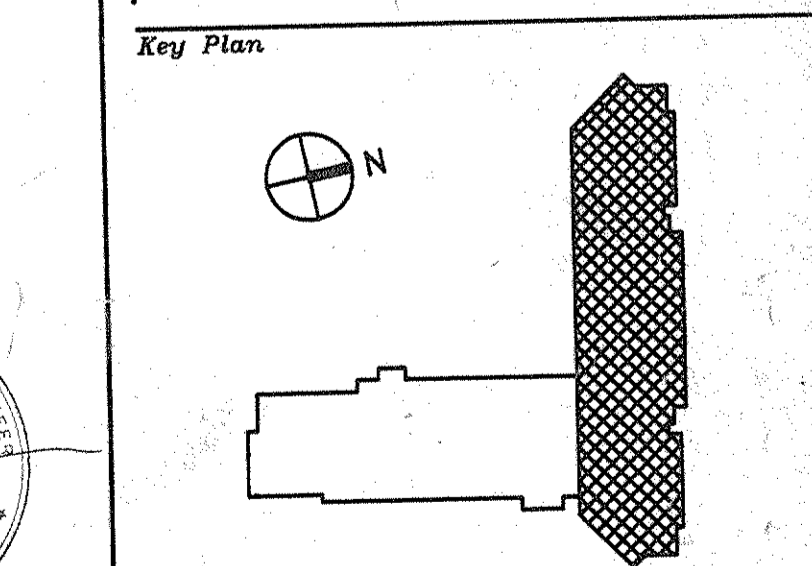
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Issue Date: _____

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

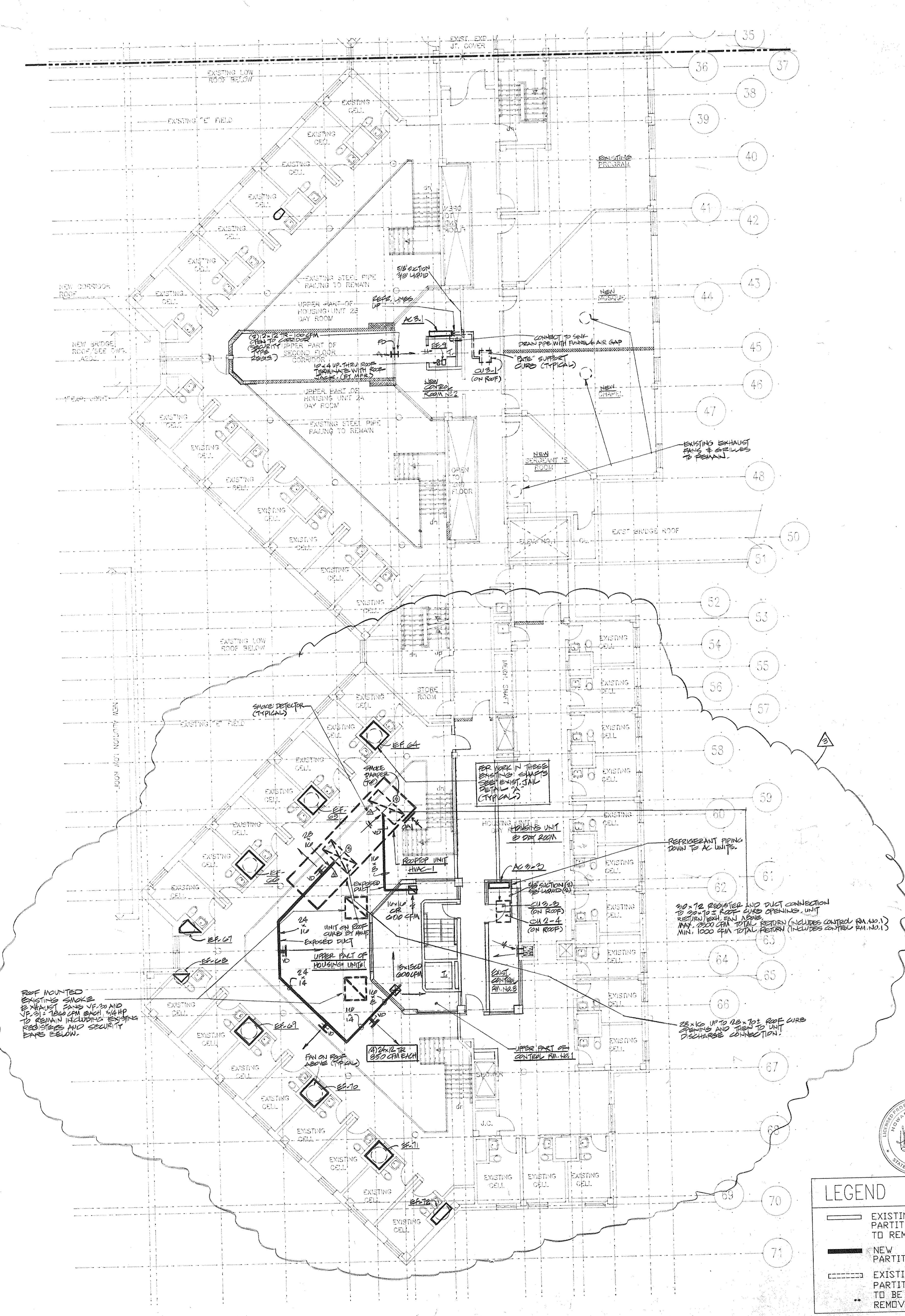
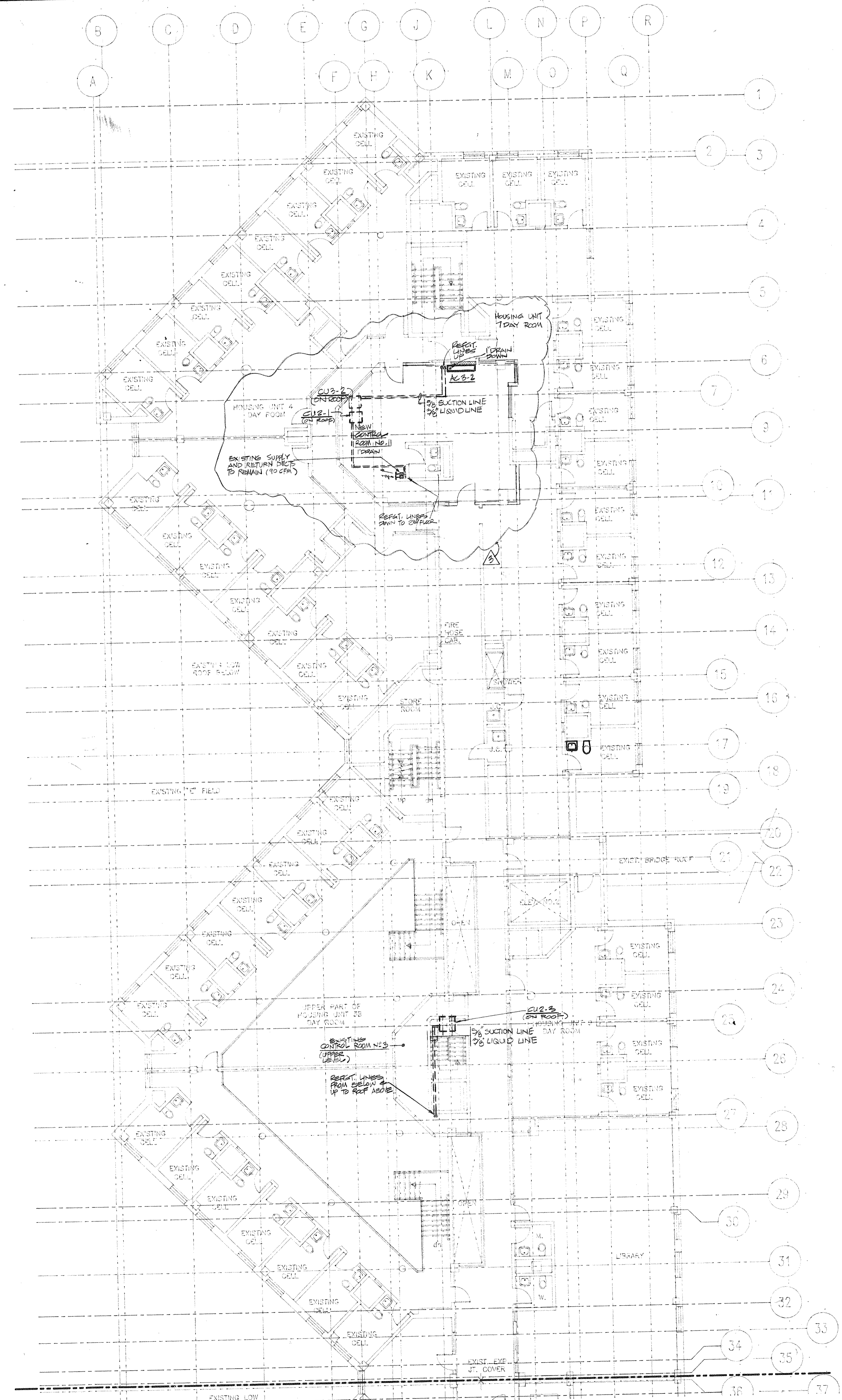
Key Plan



Drawing Title
**EXISTING JAIL
THIRD FLOOR
HVAC PLAN**

CS Project No. 91-1286
RA Project # 98801.00
Drawing No.

H-203



LEGEND

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- EXISTING PARTITION TO BE REMOVED



4	3/12/94	GENERAL REVISIONS
3	8/9/94	GENERAL REVISION
2	5/4/94	ELECTRICAL BID ISSUE
1	3/21/94	COST ESTIMATE ISSUE

No.	Date	Revision
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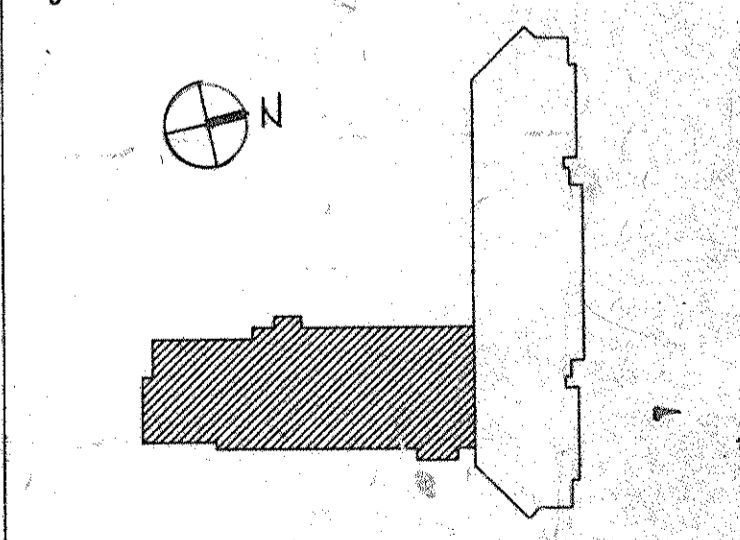
Drawn By _____ Date _____

Checked By _____ Date _____

Issue Date _____

Scale 1/8" = 1'-0"

Key Plan



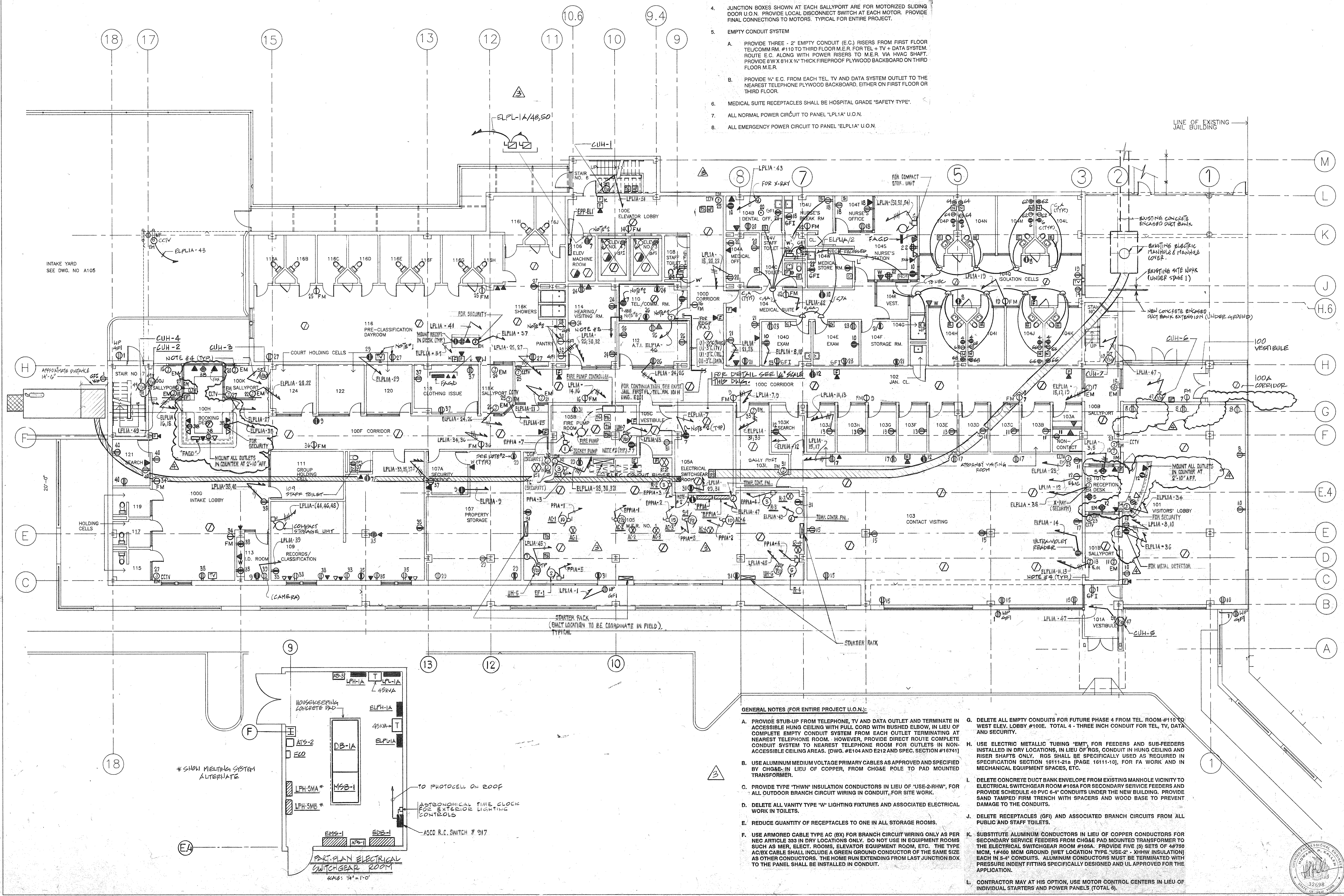
Drawing Title

NEW BUILDING FIRST FLOOR POWER PLAN

65 Project No. 91-1286
24 Project No. 93591.00
Drawing No.

E101

- NOTES**
1. MOUNT AT 8'-0" AFF.
 2. MOUNT AT 3'-8" AFF OR ABOVE COUNTERTOP.
 3. PROVIDE 3/4" THICK PLYWOOD BACKBOARD WITH 2 COATS OF VARNISH ON ALL SIDES OF WALL.
 4. JUNCTION BOXES SHOWN AT EACH SALLYPORT ARE FOR MOTORIZED SLIDING DOOR U.O.N. PROVIDE LOCAL DISCONNECT SWITCH AT EACH MOTOR. PROVIDE FINAL CONNECTIONS TO MOTORS. TYPICAL FOR ENTIRE PROJECT.
 5. EMPTY CONDUIT SYSTEM
 - A. PROVIDE THREE - 2" EMPTY CONDUIT (E.C.) RISERS FROM FIRST FLOOR TEL/COMM RM #110 TO THIRD FLOOR M.E.R. FOR TEL + TV + DATA SYSTEM. ROUTE E.C. ALONG WITH POWER RISERS TO M.E.R. VIA HVAC SHAFT. PROVIDE 8'W X 8'H X 3/4" THICK FIREPROOF PLYWOOD BACKBOARD ON THIRD FLOOR M.E.R.
 - B. PROVIDE 3/4" E.C. FROM EACH TEL, TV AND DATA SYSTEM OUTLET TO THE NEAREST TELEPHONE PLYWOOD BACKBOARD, EITHER ON FIRST FLOOR OR THIRD FLOOR.
 6. MEDICAL SUITE RECEPTACLES SHALL BE HOSPITAL GRADE "SAFETY TYPE".
 7. ALL NORMAL POWER CIRCUIT TO PANEL "LPLIA" U.O.N.
 8. ALL EMERGENCY POWER CIRCUIT TO PANEL "ELPLIA" U.O.N.



GENERAL NOTES (FOR ENTIRE PROJECT U.O.N.):

- A. PROVIDE STUB-UP FROM TELEPHONE, TV AND DATA OUTLET AND TERMINATE IN ACCESSIBLE HUNG CEILING WITH PULL CORD WITH BUSHED ELBOW, IN LIEU OF COMPLETE EMPTY CONDUIT SYSTEM FROM EACH OUTLET TERMINATING AT NEAREST TELEPHONE ROOM. HOWEVER, PROVIDE DIRECT ROUTE COMPLETE CONDUIT SYSTEM TO NEAREST TELEPHONE ROOM FOR OUTLETS IN NON-ACCESSIBLE CEILING AREAS. (DWG. #104 AND E212 AND SPEC. SECTION #16741)
- B. USE ALUMINUM MEDIUM VOLTAGE PRIMARY CABLES AS APPROVED AND SPECIFIED BY CHG&E IN LIEU OF COPPER, FROM CHG&E POLE TO PAD MOUNTED TRANSFORMER.
- C. PROVIDE TYPE "THWN" INSULATION CONDUCTORS IN LIEU OF "USE-2-RHW", FOR ALL OUTDOOR BRANCH CIRCUIT WIRING IN CONDUIT, FOR SITE WORK.
- D. DELETE ALL VANITY TYPE "W" LIGHTING FIXTURES AND ASSOCIATED ELECTRICAL WORK IN TOILETS.
- E. REDUCE QUANTITY OF RECEPTACLES TO ONE IN ALL STORAGE ROOMS.
- F. USE ARMORED CABLE TYPE AC (BX) FOR BRANCH CIRCUIT WIRING ONLY AS PER NEC ARTICLE 333 IN DRY LOCATIONS ONLY. DO NOT USE IN EQUIPMENT ROOMS SUCH AS MER, ELECT. ROOMS, ELEVATOR EQUIPMENT ROOM, ETC. THE TYPE AC/BX CABLE SHALL INCLUDE A GREEN GROUND CONDUCTOR OF THE SAME SIZE AS OTHER CONDUCTORS. THE HOME RUN EXTENDING FROM LAST JUNCTION BOX TO THE PANEL SHALL BE INSTALLED IN CONDUIT.
- G. DELETE ALL EMPTY CONDUITS FOR FUTURE PHASE 4 FROM TEL. ROOM #110 TO WEST ELEV. LOBBY #100E. TOTAL 4 - THREE INCH CONDUIT FOR TEL, TV, DATA AND SECURITY.
- H. USE ELECTRIC METALLIC TUBING "EMT", FOR FEEDERS AND SUB-FEEDERS INSTALLED IN DRY LOCATIONS, IN LIEU OF RGS, CONDUIT IN HUNG CEILING AND RISER SHAFTS ONLY. RGS SHALL BE SPECIFICALLY USED AS REGULATED IN SPECIFICATION SECTION 16111-21b (PAGE 16111-10). FOR FA WORK AND IN MECHANICAL EQUIPMENT SPACES, ETC.
- I. DELETE CONCRETE DUCT BANK ENVELOPE FROM EXISTING MANHOLE VICINITY TO ELECTRICAL SWITCHGEAR ROOM #105A FOR SECONDARY SERVICE FEEDERS AND PROVIDE SCHEDULE 40 PVC 6-4" CONDUITS UNDER THE NEW BUILDING. PROVIDE SAND TAMPED FIRM TRENCH WITH SPACERS AND WOOD BASE TO PREVENT DAMAGE TO THE CONDUITS.
- J. DELETE RECEPTACLES (GF) AND ASSOCIATED BRANCH CIRCUITS FROM ALL PUBLIC AND STAFF TOILETS.
- K. SUBSTITUTE ALUMINUM CONDUCTORS IN LIEU OF COPPER CONDUCTORS FOR SECONDARY SERVICE FEEDERS FROM CHG&E PAD MOUNTED TRANSFORMER TO THE ELECTRICAL SWITCHGEAR ROOM #105A. PROVIDE FIVE (5) SETS OF 4#750 NOM. 1#400 MCM GROUND (WET LOCATION TYPE "USE-2" XHHW INSULATION) EACH IN 5-4" CONDUITS. ALUMINUM CONDUCTORS MUST BE TERMINATED WITH PRESSURE INDENT FITTING SPECIFICALLY DESIGNED AND UL APPROVED FOR THE APPLICATION.
- L. CONTRACTOR MAY AT HIS OPTION, USE MOTOR CONTROL CENTERS IN LIEU OF INDIVIDUAL STARTERS AND POWER PANELS (TOTAL 6).

INTAKE YARD
SEE DWG. NO. A105

LINE OF EXISTING
JAIL BUILDING

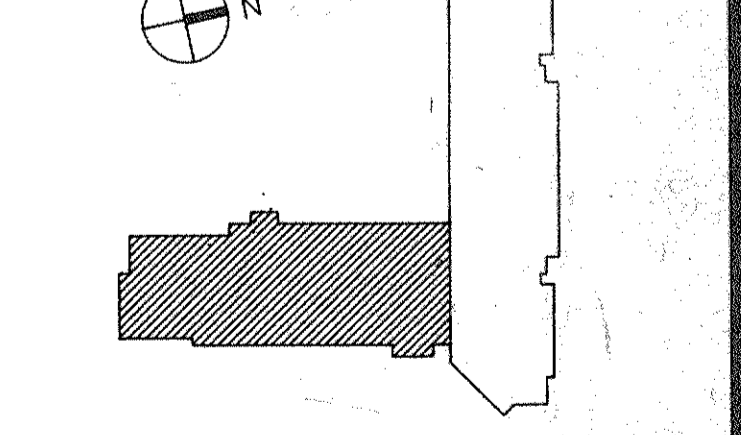
* SHOW MELTING SYSTEM
ALTERNATE

TO PHOTOCELL ON ROOF

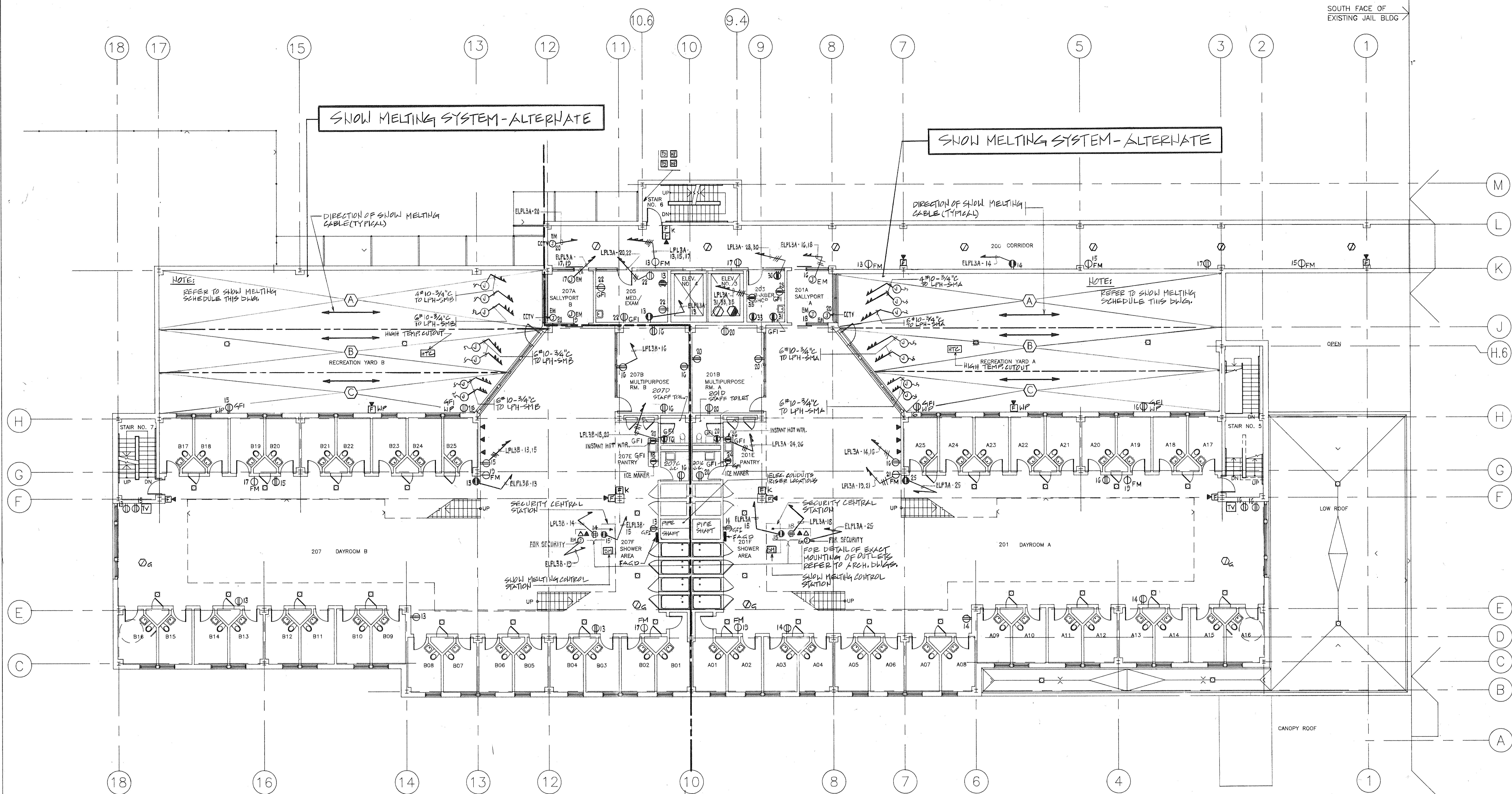
ASTRONOMICAL TIME CLOCK
FOR EXTERIOR LIGHTING
CONTROLS

ASCO R.C. SWITCH # 917

PART PLAN ELECTRICAL
SWITCHGEAR ROOM
SCALE: 3/4" = 1'-0"



SOUTH FACE OF
EXISTING JAIL BLDG



SNOW MELTING SYSTEM-ALTERNATE

SNOW MELTING SYSTEM-ALTERNATE

NOTE:
REFER TO SNOW MELTING
SCHEDULE THIS DRAW.

NOTE:
REFER TO SNOW MELTING
SCHEDULE THIS DRAW.

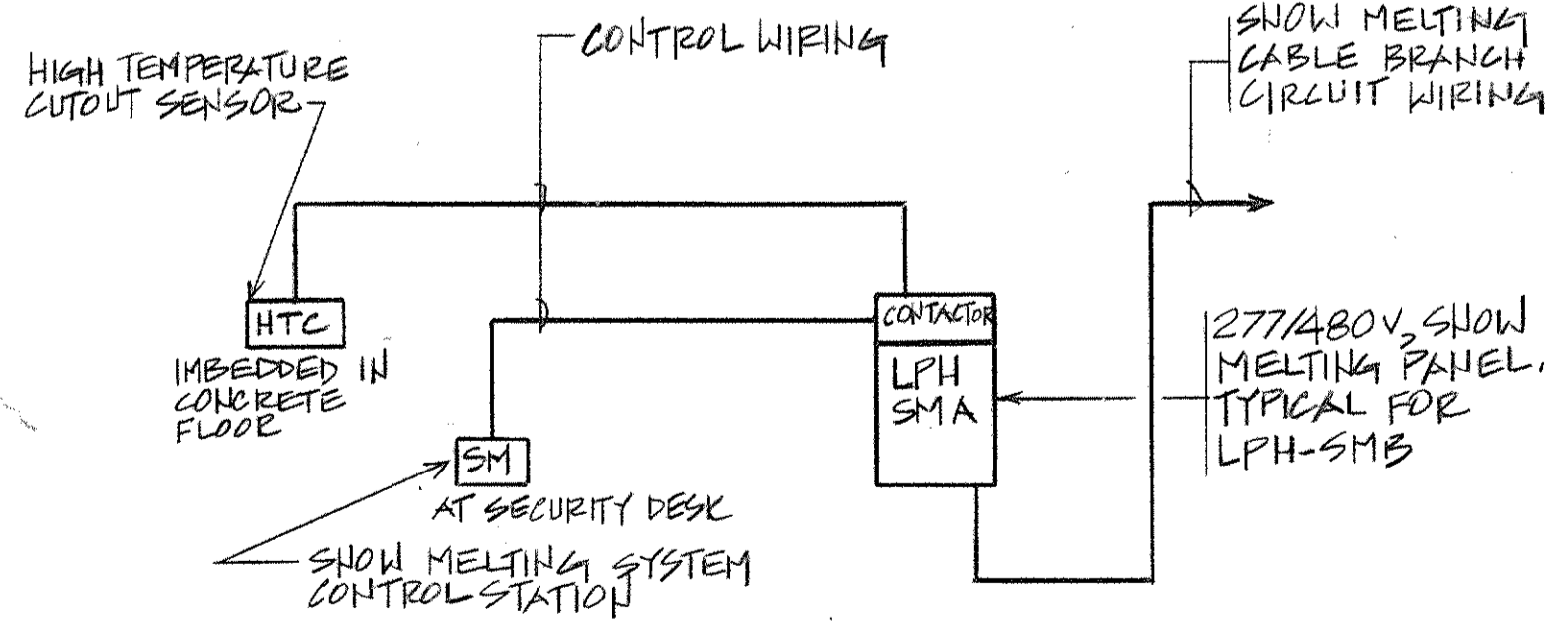
SNOW MELTING CABLE SCHEDULE (TYPICAL FOR YARD A & B)

AREA	HEATER CABLE	CABLE VOLTS	CABLE AMPS	CABLE WATTS	TOTAL WATTS	APPROX. SPACING	BRANCH SGT. BREAKER	PANEL SERVED FROM
(A)	7-A640B240XX	277	24	6800	47600	6 1/4"	30A, 1P	LPH-SMA(LPH-SMB)
(B)	6-A640B240XX	277	24	6800	40800	6"	30A, 1P	LPH-SMA(LPH-SMB)
(C)	6-A670B210XX	277	18.8	5219	31314	6"	30A, 1P	LPH-SMA(LPH-SMB)

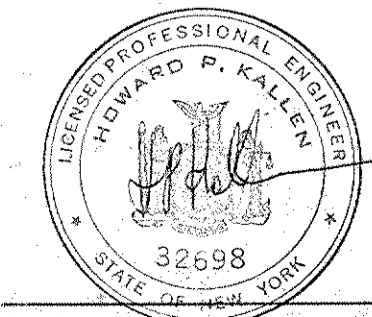
NOTE:
1. XX IN CATALOG NUMBER DENOTES COLD SECTION
LENGTH TO BE DETERMINED IN FIELD.

ALL NORMAL POWER CIRCUIT TO PANEL 'LPL3B' U.O.N.
ALL EMERGENCY POWER CIRCUIT TO PANEL 'ELPL3B' U.O.N.

ALL NORMAL POWER CIRCUIT TO PANEL 'LPL3A' U.O.N.
ALL EMERGENCY POWER CIRCUIT TO PANEL 'ELPL3A' U.O.N.



TYPICAL SNOW MELTING SYSTEM WIRING DIAGRAM
NO SCALE



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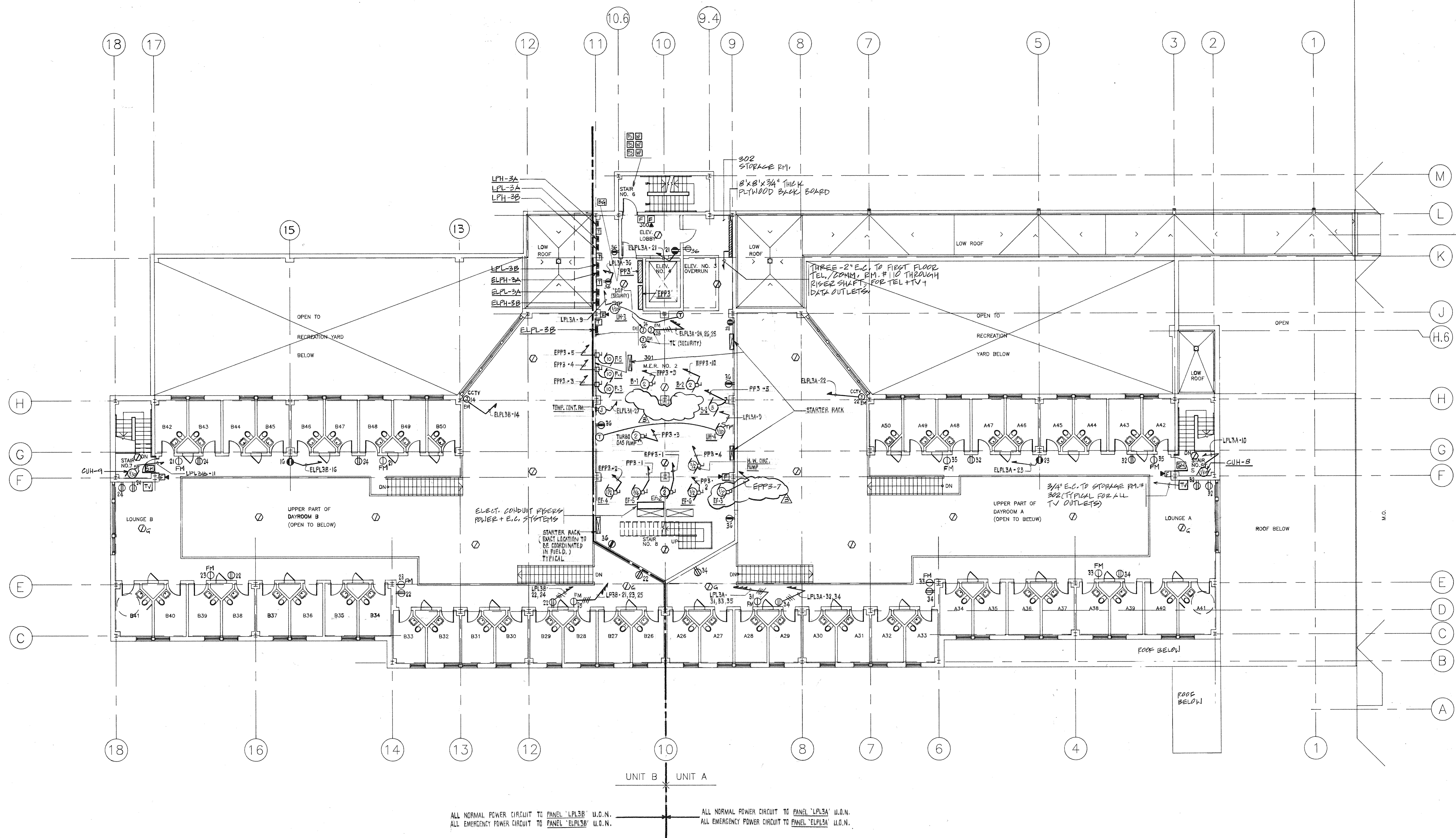
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No.	Date	Revision
3	8/9/94	GENERAL REMARK
2	5/4/94	ELECTRICAL BID ISSUE
1	3-21-94	COST ESTIMATE ISSUE

Drawn By	Date
Checked By	Date
Issue Date	
Scale	1/8" = 1'-0"
Key Plan	
Drawing Title	

**NEW BUILDING
 THIRD FLOOR
 POWER PLAN**

CS Project No. 91-1286
 RA Project # 99301.00
 Drawing No. **E103**



2	5/4/04	ELECTRICAL BID ISSUE
1	5/2/04	COST ESTIMATE ISSUE
No.	Date	Revision

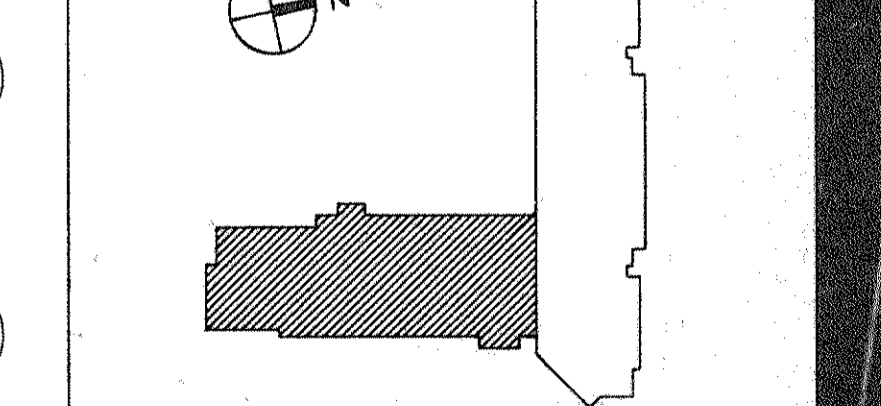
Drawn By _____ Date _____

Checked By _____ Date _____

Issue Date _____

Scale 1/8" = 1'-0"

Key Plan



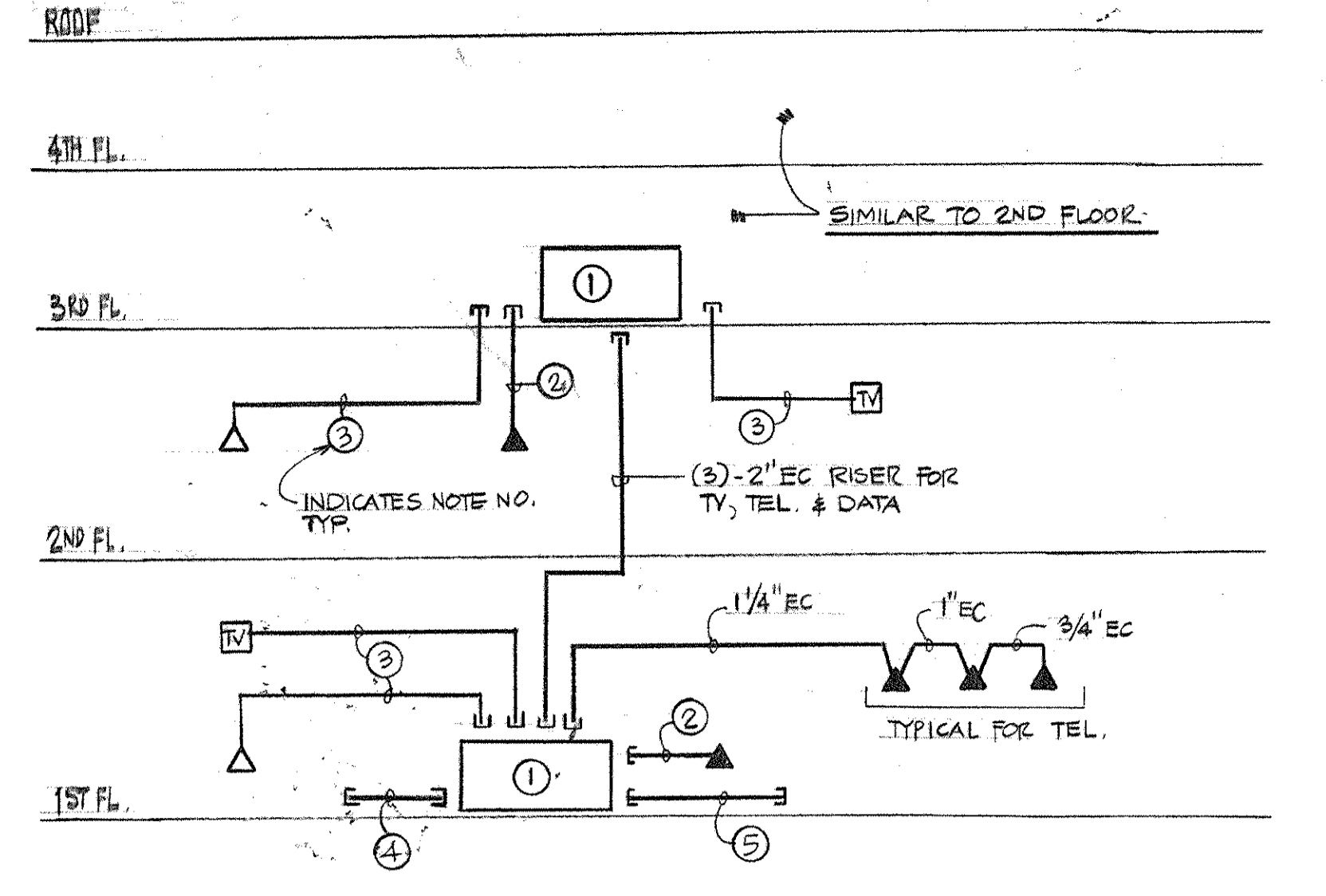
Drawing Title

**NEW BUILDING,
ROOF & PENTHOUSE
POWER PLAN**

CS Project No. 01-1288
2A Project # 9807.00
Drawing No.

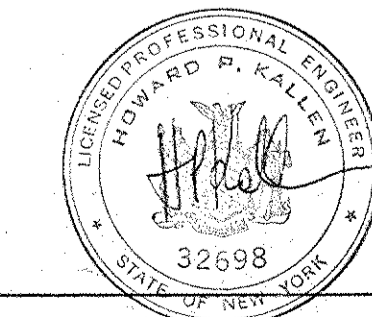
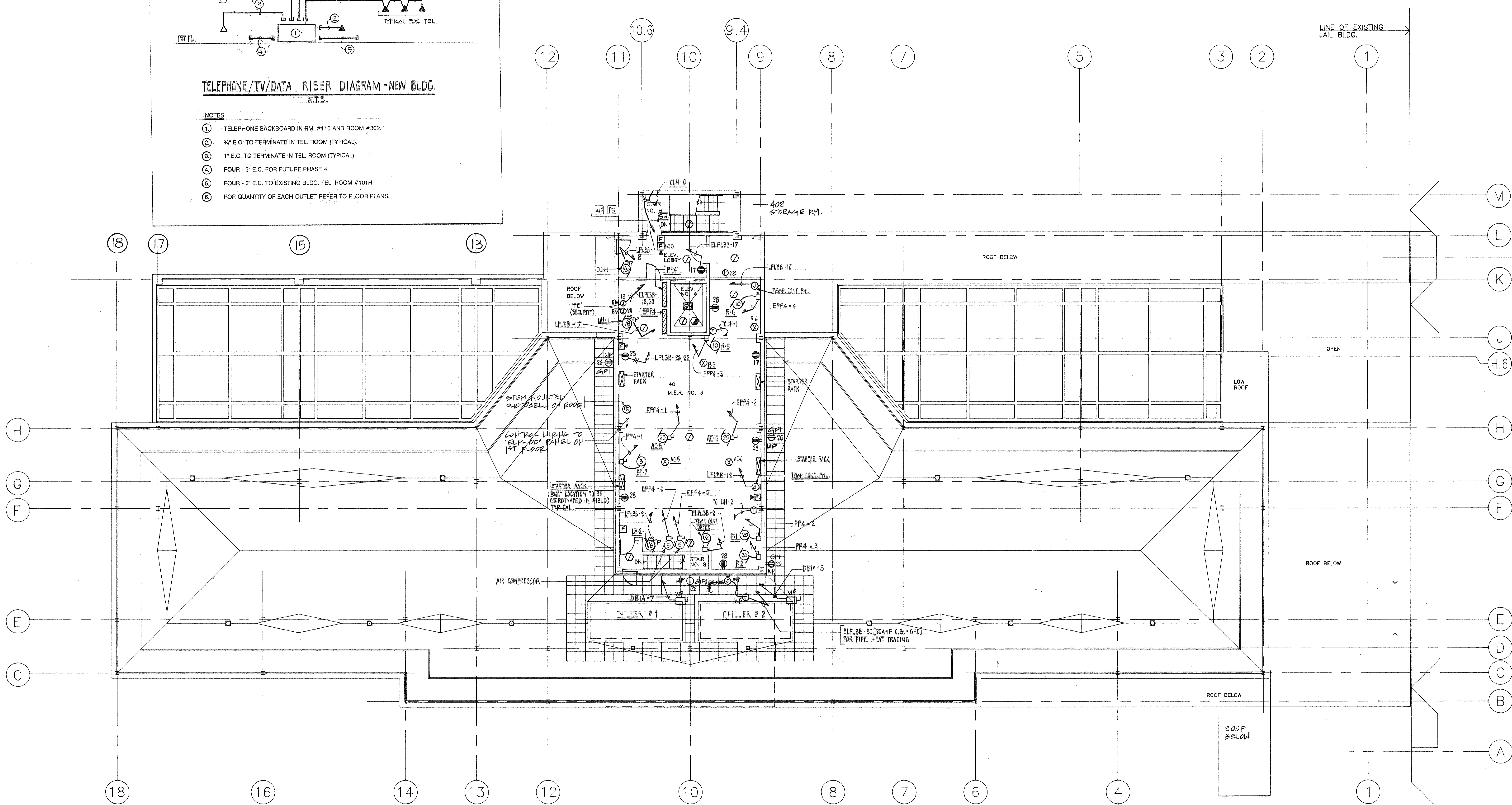
E104

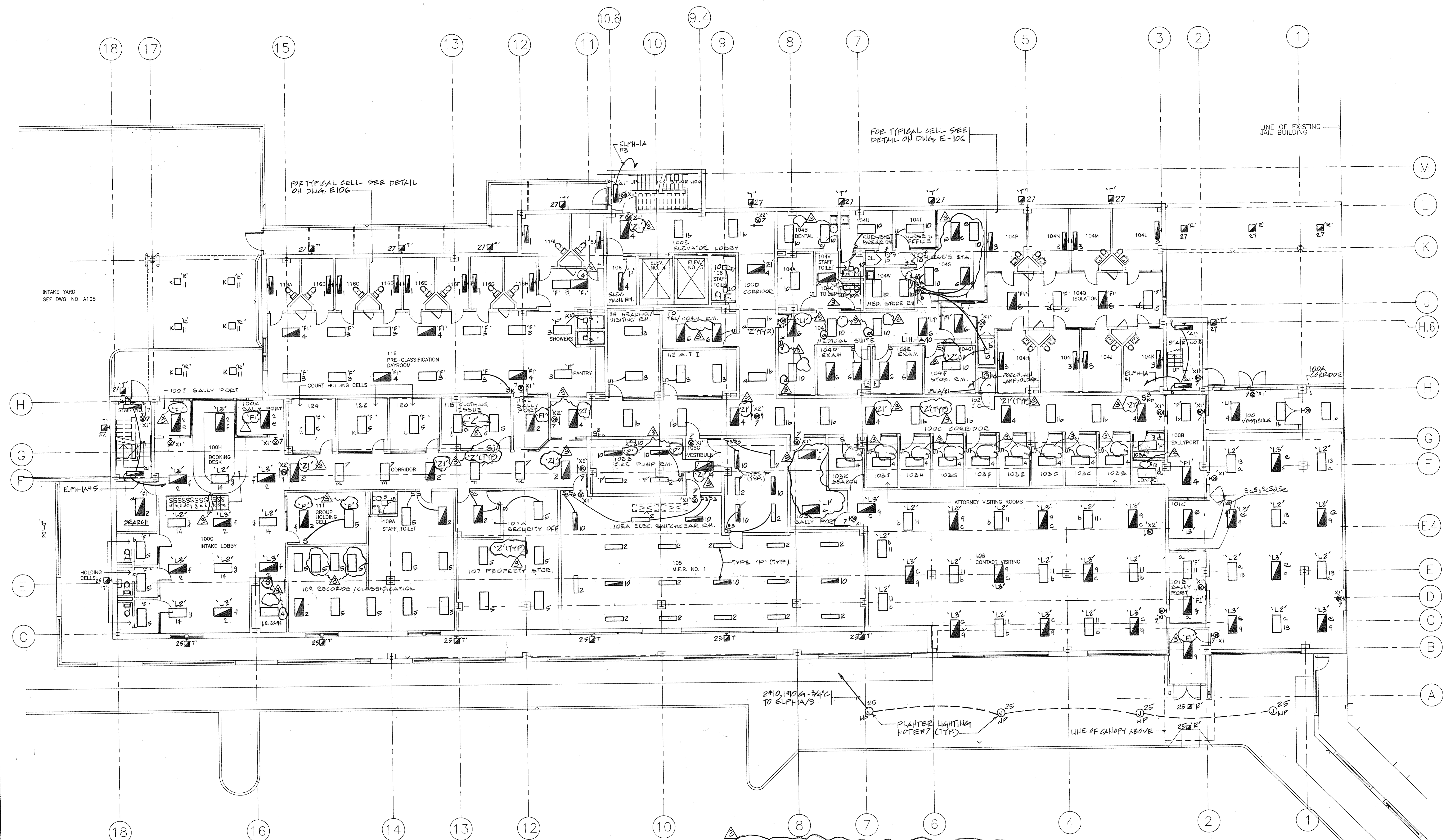
NOTE:
PROVIDE ELECTRIC PIPE HEAT TRACING 'NELSON' 'HEVI-DUTY' LIMITRACE SELF-REGULATING HEATER CABLE APPROXIMATE 150 FT. CABLE, CAT. #LTS-CB-120V COMPLETE WITH ALL AUXILIARIES SUCH AS J. BOXES, THERMOSTAT #TA4X25A, TERMINAL KITS, WARNING SIGNS, FIBERGLASS TAPE, ETC. FOR COMPLETE FREEZE PROTECTION SYSTEM. THIS SYSTEM SHALL BE PROVIDED FOR ROOF MOUNTED CHILLED WATER SUPPLY AND RETURN PIPING - REFER TO THE HVAC DWGS. FOR DETAILS. PROVIDE G.F.I. PROTECTED CIRCUIT BREAKER AT PANEL 'ELPL-3B'. ALL WORK SHALL BE OUTDOOR TYPE (WEATHERPROOF).



TELEPHONE/TV/DATA RISER DIAGRAM - NEW BLDG.
N.T.S.

- NOTES**
- ① TELEPHONE BACKBOARD IN RM. #110 AND ROOM #302.
 - ② 3/4" E.C. TO TERMINATE IN TEL. ROOM (TYPICAL).
 - ③ 1" E.C. TO TERMINATE IN TEL. ROOM (TYPICAL).
 - ④ FOUR - 3" E.C. FOR FUTURE PHASE 4.
 - ⑤ FOUR - 3" E.C. TO EXISTING BLDG. TEL. ROOM #101H.
 - ⑥ FOR QUANTITY OF EACH OUTLET REFER TO FLOOR PLANS.





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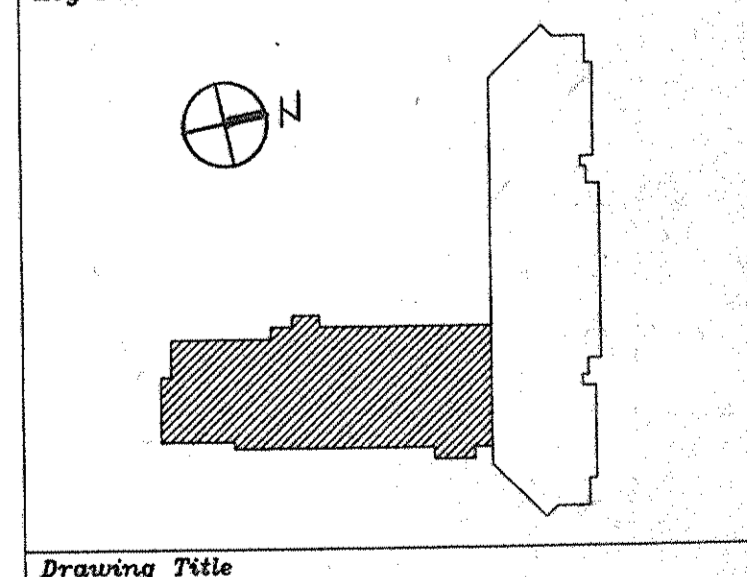
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- 3 9/12/94 GENERAL REVISIONS
- 2 5/4/94 ELECTRICAL BID ISSUE
- 1 3/21/94 COST ESTIMATE ISSUE

No.	Date	Revision

Drawn By _____ Date _____
 Checked By _____ Date _____

Issue Date _____
 Scale 1/8"=1'-0"



**NEW BUILDING
 FIRST FLOOR
 LIGHTING PLAN**

Drawing Title

Project No. 91-1286
 Drawing No. 9901.00
E105

NOTES (CONT.)

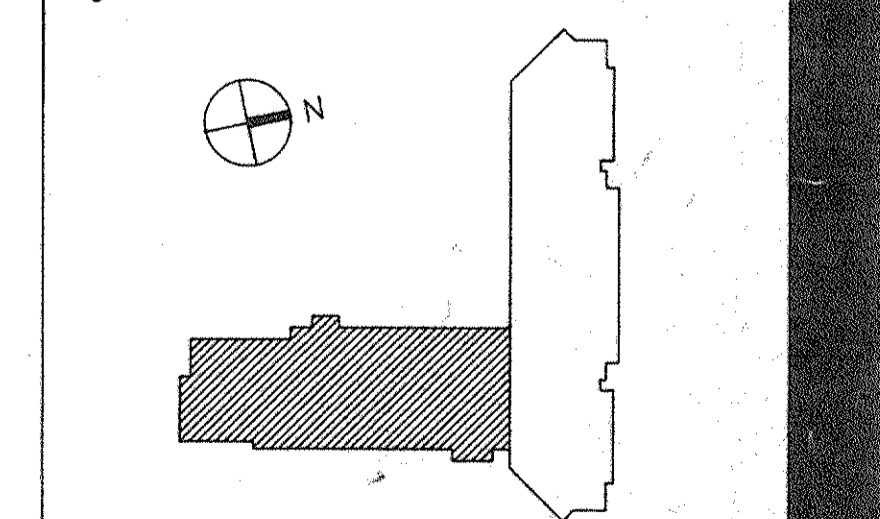
8. FIXTURES SHALL BE SUITABLE FOR THE TYPE OF CEILING USED, SUCH AS GYPSUM DRY WALL, METAL PAN AND ACOUSTIC CEILING, REFER TO ARCHITECTURAL DWGS.
9. LIGHTING FIXTURES, FOR AREAS NOT HAVING CEILING SHALL BE STEM MOUNTED AT THE SAME HEIGHT AS IT WAS PREVIOUSLY, WHEN CEILING WAS INCLUDED.
10. ALL CORRIDOR LIGHTING FIXTURES SHALL BE SAME AS TYPE 'Z', EXCEPT STEM MOUNTED.
11. THE TYPE 'Z1' LIGHTING FIXTURE SHALL BE SIMILAR TO TYPE 'Z', EXCEPT STEM MOUNTED AND WITH INTEGRAL BATTERY BACK UP.

NOTES:

1. ALL 2'x4' FLUORESCENT FIXTURES SHALL BE TYPE 'L', U.O.N.
2. ALL 1'x4' FLUORESCENT FIXTURES SHALL BE TYPE 'B', U.O.N.
3. ALL 4' LONG CELL FIXTURES SHALL BE TYPE 'X', U.O.N.
4. ALL CELL LIGHTING CIRCUITS TO PANEL 'ELPL-1A', U.O.N.
5. ALL 'NORMAL' LIGHTING CIRCUITS TO PANEL 'LPH-1A', U.O.N.
6. ALL 'EMERGENCY' LIGHTING CIRCUITS TO PANEL 'ELPH-1A', U.O.N.
7. PROVIDE CONDUIT AND WIRING FOR FUTURE PLANTER LIGHTING AND TERMINATE IN WP JUNCTION BOX WITH SLACK WIRE, FEED FROM PANEL 'ELPH-1A'

2 5/4/94 ELECTRICAL BID ISSUE
1 3/21/94 COST ESTIMATE ISSUE

No.	Date	Revision

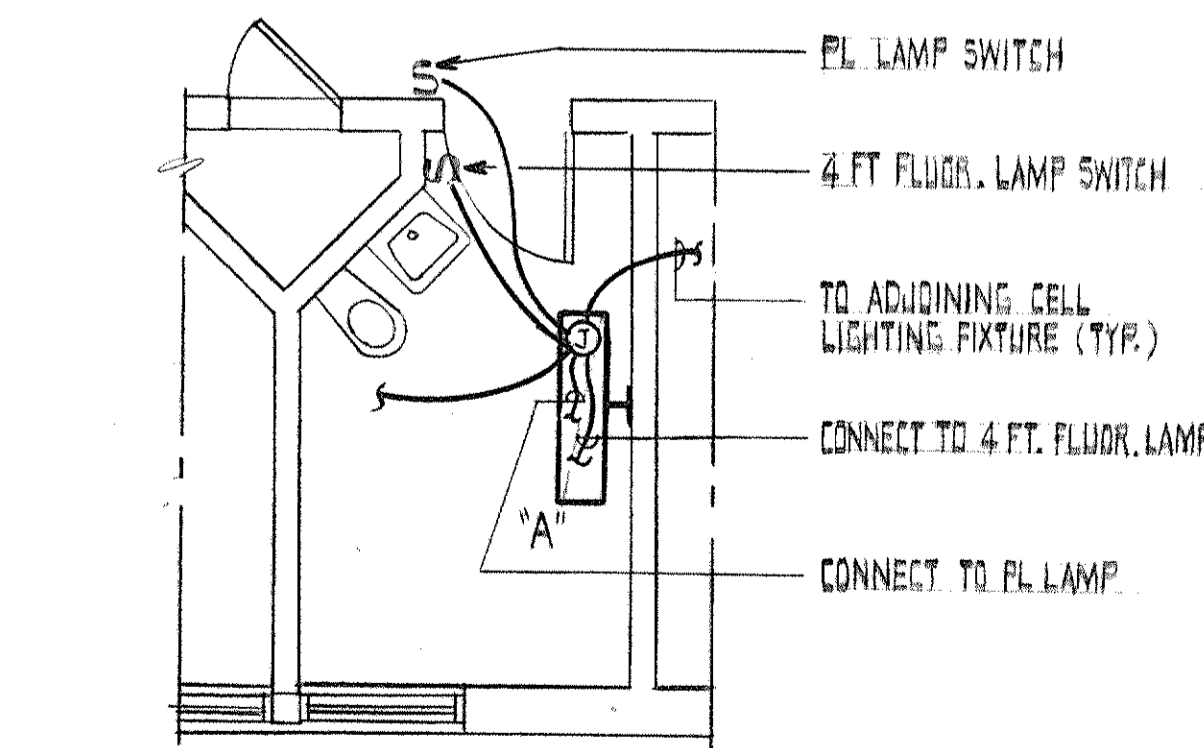
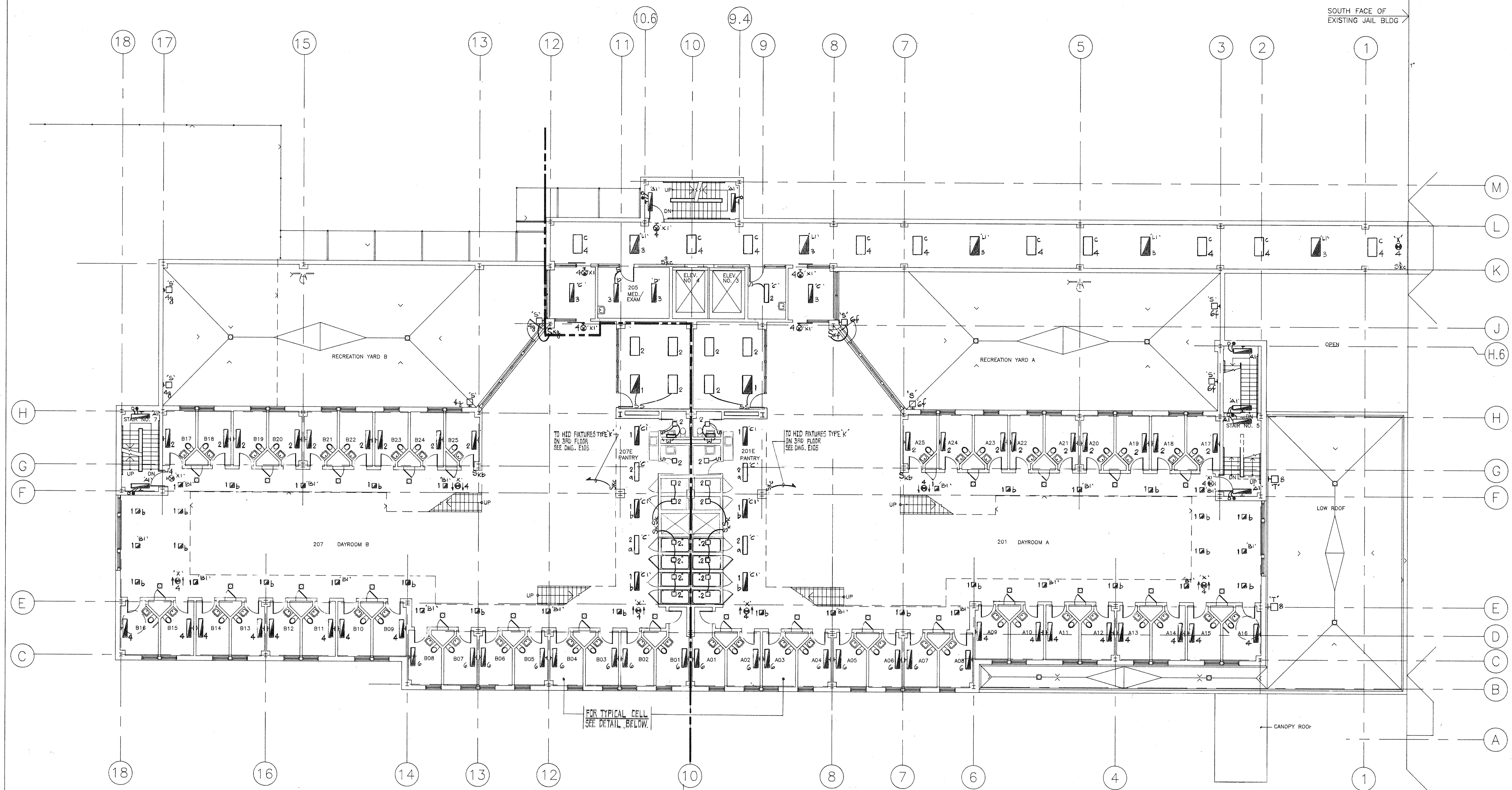


Drawing Title

**NEW BUILDING
SECOND FLOOR
LIGHTING PLAN**

CS Project No. 91-1286
RA Project # 99301.00
Drawing No.

E106



ALL CELL LIGHTING CIRCUITS TO PANEL "ELPH-3B" U.O.N.
ALL "NORMAL" LIGHTING CIRCUITS TO PANEL "ELPH-3A" U.O.N.
ALL "EMERGENCY" LIGHTING CIRCUITS TO PANEL "ELPH-3B" U.O.N.

- NOTES:
1. ALL 2'x4' FLUORESCENT FIXTURES SHALL BE TYPE 'L', U.O.N.
 2. ALL 1'x1' FLUORESCENT FIXTURES SHALL BE TYPE 'B', U.O.N.
 3. ALL 4' LONG CELL FIXTURES SHALL BE TYPE 'A', U.O.N.
 4. SEE TYPICAL CELL LIGHTING CONTROL WIRING DIAGRAM THIS DWG.
 5. ALL EXIT SIGNS TO PANEL "ELPH-3A" AND "ELPH-3B".



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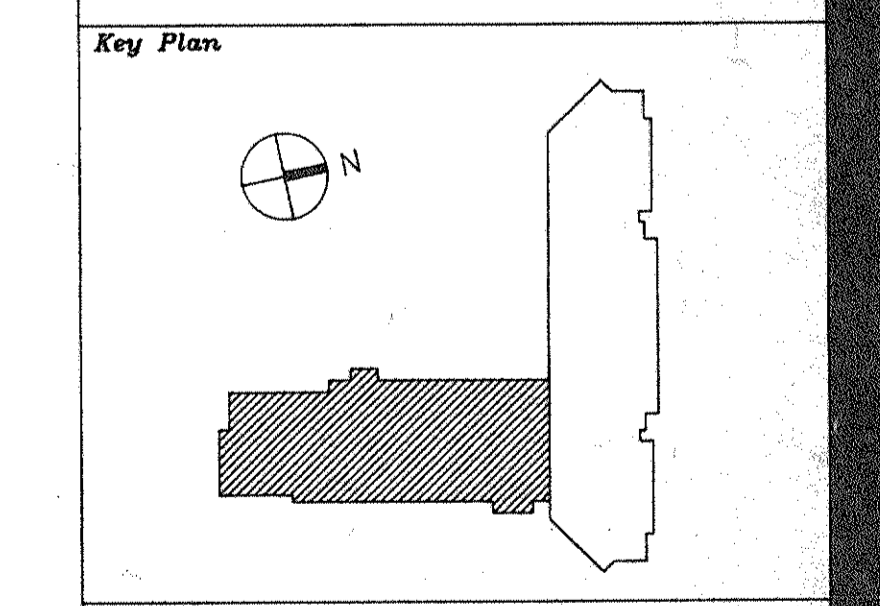
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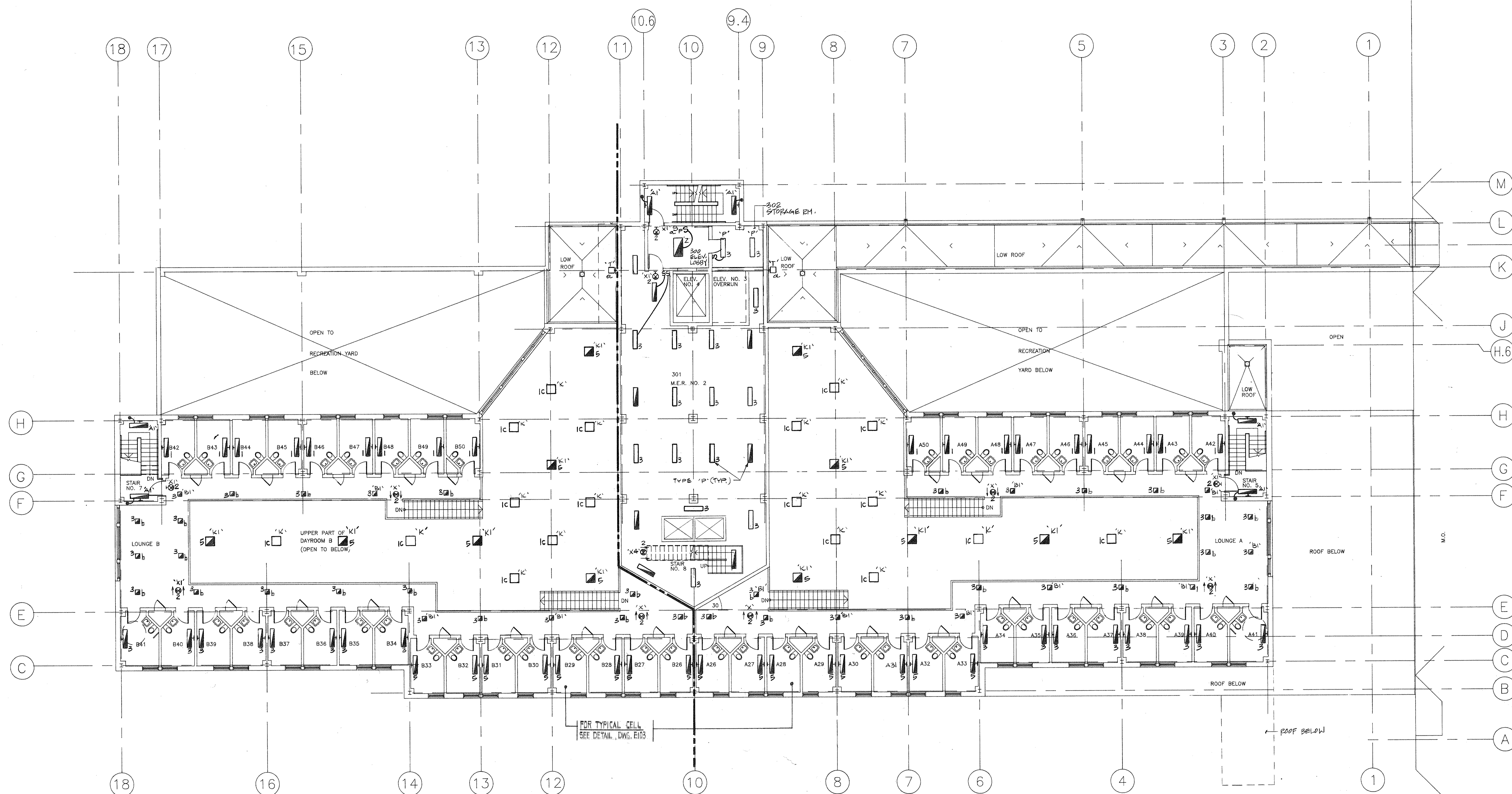
No.	Date	Revision
2	5/4/94	ELECTRICAL BID ISSUE
1	3/21/94	LOST ESTIMATE ISSUE

Drawn By	Date
Checked By	Date
Issue Date	
Scale	1/8" = 1'-0"



**NEW BUILDING
 THIRD FLOOR
 LIGHTING PLAN**

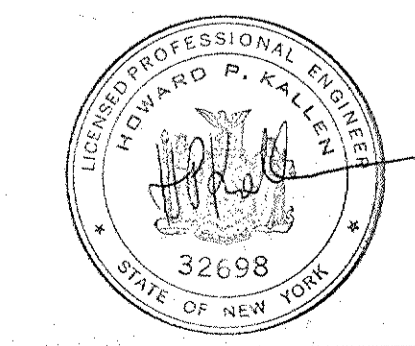
CS Project No. 91-1286
 RA Project # 99307.00
 Drawing No. **E107**



- NOTES:**
1. ALL 2'x4' FLUORESCENT FIXTURES SHALL BE TYPE 'L', U.O.N.
 2. ALL 4' LONG CELL FIXTURES SHALL BE TYPE 'A', U.O.N.
 3. ALL 1'x1' FLUORESCENT FIXTURES SHALL BE TYPE 'B', U.O.N.
 4. SEE TYPICAL CELL LIGHTING CONTROL WIRING DIAGRAM, DWG. E103.
 5. ALL EXIT SIGNS TO PANEL 'ELPH-3A' OR 'ELPH-3B'.

ALL CELL LIGHTING CIRCUITS TO PANEL 'ELPH-3B' U.O.N.
 ALL "NORMAL" LIGHTING CIRCUITS TO PANEL 'LPH-3B' U.O.N.
 ALL "EMERGENCY" LIGHTING CIRCUITS TO PANEL 'ELPH-3B' U.O.N.

UNIT B UNIT A

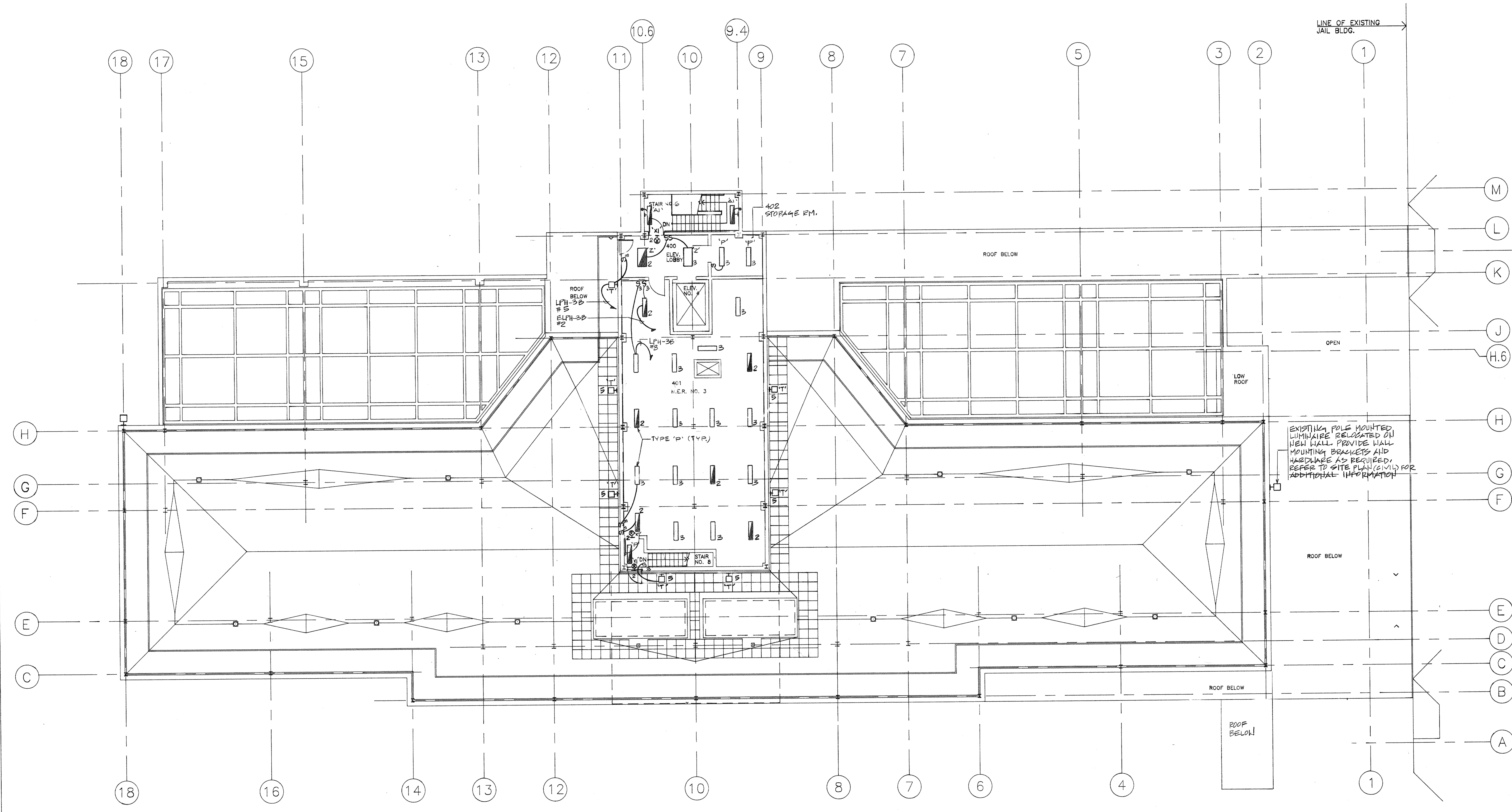


Dutchess County Jail

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EXISTING POLE MOUNTED LUMINAIRE RELOCATED ON NEW WALL PROVIDE WALL MOUNTING BRACKETS AND HARDWARE AS REQUIRED. REFER TO SITE PLAN (CIVIL) FOR ADDITIONAL INFORMATION.

- 2 5/4/94 ELECTRICAL BID ISSUE
- 1 3/21/94 COST ESTIMATE ISSUE

No.	Date	Revision
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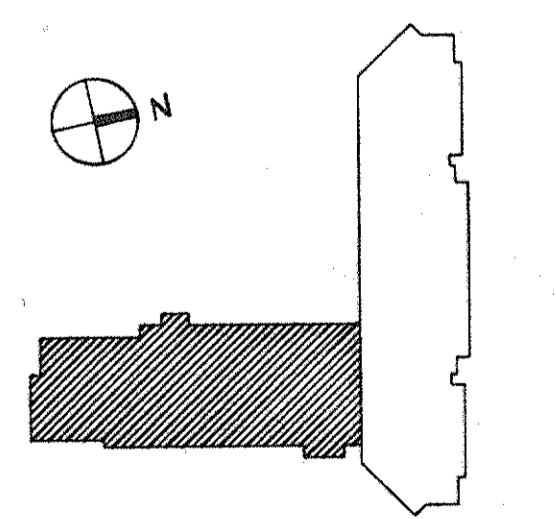
Drawn By _____ Date _____

Checked By _____ Date _____

Issue Date _____

Scale 1/8" = 1'-0"

Key Plan



Drawing Title

**NEW BUILDING
ROOF & PENTHOUSE
LIGHTING PLAN**



05 Project No. 91-1289
24 Project 3 9301-00
Drawing No.

E108

SCHEMATIC DIAGRAMS

	FUSED SWITCH - 100AMP FUSE
	100AMP SWITCH - 100 AMP
	CIRCUIT BREAKER - 100 AMP FRAME - 100 AMP TRIP
	PRIMARY FUSE CUTOUT
	POWER OR LIGHTING TRANSFORMER
	AUTOMATIC TRANSFER SWITCH
	LIGHTNING ARRESTOR
	GROUND CONNECTION
	CURRENT TRANSFORMER
	POTENTIAL TRANSFORMER
	METER SELECTOR SWITCH AS - AMMETER VS - VOLTMETER
	METER SELECTOR SWITCH AS - AMMETER VS - VOLTMETER
	METERING DEVICE
	GENERATOR
	MOTOR

ELECTRICAL ABBREVIATIONS

A	AMPERE
ACT	ABOVE COUNTER TOP
ASYM	ASYMMETRICAL
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AWG	AMERICAN WIRE GAUGE
CAT	CATALOG
C	CONDUIT
CB	CIRCUIT BREAKER
CC	CLOSED CIRCUIT TELEVISION
CHG & E	CENTRAL HUDSON GAS & ELECTRIC UTILITY COMPANY
CKT	CIRCUIT
CL	CENTERLINE
CLG	CILING
CD	CONDUIT ONLY
CONT	CONTINUATION
CT	CURRENT TRANSFORMER
CU	COPPER
CUH	CABINET UNIT HEATER
DCJ	DUTCHESS COUNTY JAIL
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DISC	DISCONNECT
DN	DOWN
DWG	DRAWING
EC	EMPTY CONDUIT
ELEC	ELECTRICAL
EM	EMERGENCY
EMC	ELECTRIC WATER COOLER
EX	EXISTING TO REMAIN
FBO	FURNISHED BY OTHERS
FCU	FUSED CUTOUT
FCU	FAN COIL UNIT
FIXT	FIXTURE
FL	FLOOR
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
FM	FLOOR MACHINE
FT	FEET
G	GROUND
GEN	GENERATOR
GFI	GROUND FAULT INTERRUPTER
HP	HORSEPOWER
HZ	HERTZ
IC	INTERRUPTING CAPACITY
JB	JUNCTION BOX
KVA	KILOVOLT AMPERE
KW	KILOWATT
KWH	KILOWATT HOUR
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MH	MANHOLE
MTD	MOUNTED
N	NEUTRAL
NC	NORMALLY CLOSED
NIC	NOT-IN-CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
P	POLE
SP	SINGLE POLE
SN	SOLID NEUTRAL
SSIC	SHORT CIRCUIT INTERRUPTING CAPACITY
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SYM	SYMMETRICAL
TB	TERMINAL BLOCK
TEL	TELEPHONE
TRNSFR	TRANSFORMER
TYP	TYPICAL
UH	UNIT HEATER
UG	UNDERGROUND
UN	UNLESS OTHERWISE NOTED
V	VOLT OR VOLTAGE
VA	VOLT AMPERE
VM	VOLTMETER
W	WATT
WC	WATER COOLER
WP	WEATHER-PROOF

ELECTRICAL SYMBOL LIST

	PARKING LOT FIXTURE
	2'x4' FLUORESCENT CEILING MOUNTED LIGHTING FIXTURE (RECESSED OR SURFACE)
	1'x4' FLUORESCENT CEILING MOUNTED LIGHTING FIXTURE (RECESSED OR SURFACE)
	2'x2' FLUORESCENT CEILING MOUNTED LIGHTING FIXTURE (RECESSED OR SURFACE)
	WALL MOUNTED HID FIXTURE
	4' FLUORESCENT STRIP LIGHTING FIXTURE
	FLUORESCENT WALL MOUNTED LIGHTING FIXTURE
	INCANDESCENT OR COMPACT FLUORESCENT CEILING MOUNTED LIGHTING FIXTURE
	INCANDESCENT OR COMPACT FLUORESCENT WALL MOUNTED LIGHTING FIXTURE
	REMARKS
	HALF SHADING DENOTES FIXTURE ON EMERGENCY LETTER DENOTES FIXTURE TYPE
	DENOTES CONTROL OF FIXTURE BY SWITCH "G"
	BATTERY OPERATED UNIT WITH NUMBER OF LIGHT HEADS AS INDICATED WITH UNSWITCHED PHASE LEG
	CEILING MOUNTED EXIT LIGHT, DIRECTIONAL ARROWS WHERE INDICATED
	WALL MOUNTED EXIT LIGHT, DIRECTIONAL ARROWS WHERE INDICATED
	SINGLE POLE SWITCH
	3 = THREE-WAY
	C = CONTROLLING OUTLET
	D = DIMMER
	K = KEY OPERATED
	P = WITH PILOT LIGHT
	T = WITH THERMAL OVERLOAD ELEMENT (HP RATED)
	MC = MOMENTARY CONTACT
	DUPLEX RECEPTACLE 15A, 125V, 3 WIRE + GROUNDED POLE
	GF = GROUND FAULT INTERRUPTER
	WP = WEATHERPROOF
	SF = SAFETY TYPE
	EWC = ELECTRIC WATER COOLER
	DUPLEX RECEPTACLE 15A, 125V, 3 WIRE + GROUNDED POLE CONTROLLED FROM WALL SWITCH
	SAME AS , EXCEPT MOUNTED ABOVE COUNTER TOP OR AT COUNTER TOP LEVEL
	SAME AS , EXCEPT ON EMERGENCY CIRCUIT.
	SINGLE RECEPTACLE 15A, 125V, 3W + GROUNDED POLE
	SINGLE RECEPTACLE 20A, 125V, 3W + GROUNDED POLE
	FM = FLOOR MACHINE
	SAME AS , EXCEPT DOUBLE DUPLEX IN COMMON MULTI-GANG BOX
	SAME AS , EXCEPT FLOOR MOUNTED
	SPECIAL PURPOSE SINGLE RECEPTACLE, 120V, TYPE AND RATING AS NOTED ON PLANS
	DUPLEX PURPOSE SINGLE RECEPTACLE, 208V, TYPE AND RATING AS NOTED ON PLANS
	DUPLEX RECEPTACLE 15A, 125V, 3W + GROUNDED POLE FLUSH FLOOR MOUNTED
	CLOCK OUTLET ONLY
	FLUSH WALL JUNCTION BOX
	CEILING MOUNTED JUNCTION BOX
	JUNCTION BOX WITH FLEXIBLE EQUIPMENT CONNECTION
	GROUND FAULT INTERRUPTER
	PLUG-IN SURFACE METAL RACEWAY - WIREMOLD #3000 SERIES WITH 24' DC, UGN WITH SPECIAL PURPOSE RECEPTACLES WHERE INDICATED
	LIGHTING PANEL
	POWER OR DISTRIBUTION PANEL
	LR-1,3,5
	CONCEALED CONDUIT
	EXPOSED CONDUIT
	CONCEALED UNDERGROUND CIRCUIT
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	CONDUIT STUB UP WITH FLEXIBLE EQUIPMENT CONNECTION
	CAPPED CONDUIT
	GROUND CONNECTION
	BUSDUCT
	ELECTRIC HEAT TRACING
	FUSED DISCONNECT SWITCH, 30A, 3P, UGN
	UNFUSED DISCONNECT SWITCH, 30A, 3P, UGN
	FLUSH MOUNTED CIRCUIT BREAKER - 100A FRAME, 60A TRIP, 3P OR AS OTHERWISE NOTED NA = NONAUTOMATIC WP = WEATHERPROOF
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC STARTER AND DISCONNECT SWITCH OR C.B. P = PILOT LIGHT
	NURSE CALL MASTER STATION
	NURSE CALL EQUIPMENT CABINET
	NURSE CALL SINGLE BEDSIDE STATION
	PULL BOX
	TRANSFORMER, TWO WINDING, DRY TYPE
	AUTOMATIC TRANSFER SWITCH
	MOTOR, FOR HP RATING REFER TO PANEL SCHEDULES
	STANDBY EMERGENCY GENERATOR
	CABINET HEATER WITH BUILT-IN DISC. SWITCH, UGN
	FAN COIL UNIT WITH BUILT-IN DISC. SWITCH, UGN
	FIRE ALARM CONTROL PANEL (INCLUDING ANNUNCIATOR)
	FIRE ALARM GRAPHIC DISPLAY REMOTE ANNUNCIATOR
	FIRE ALARM CENTRAL CONTROL STATION
	FIRE ALARM PULL STATION
	FIRE ALARM DOOR HOLDER ELECTROMAGNETIC
	FIRE ALARM HORN AND FLASHING STROBE LIGHT
	FIRE ALARM FLASHING STROBE LIGHT
	CEILING MOUNTED SPACE SMOKE DETECTOR 'G' DENOTES W/GUARD
	REMOTE SMOKE DETECTOR ALARM LIGHT - WALL OR CEILING MOUNTED
	DUCT SMOKE DETECTOR
	THERMAL DETECTOR RATE-OF-RISE
	F = FIXED TEMPERATURE
	SPRINKLER SYSTEM TAMPER SWITCH (FURNISHED AND INSTALLED UNDER PLUMBING)
	SPRINKLER SYSTEM WATER FLOW SWITCH (FURNISHED AND INSTALLED UNDER PLUMBING)
	MOTORIZED SMOKE DAMPER
	FIRE SHUTTER
	SMOKE HATCH
	CEILING SPEAKER
	WALL SPEAKER
	SURFACE MOUNTED TELEPHONE TERMINAL CABINET
	FLUSH MOUNTED TELEPHONE TERMINAL CABINET
	TELEPHONE OUTLET - FLUSH WALL MOUNTED WITH 3/4" CONDUIT TO THE NEAREST TELEPHONE TERMINAL CABINET W - INDICATES WALL MOUNTED AT 3'-6" AFF.
	TELEPHONE OUTLET - FLUSH FLOOR MOUNTED WITH 3/4" CONDUIT TO THE NEAREST TELEPHONE TERMINAL CABINET
	DATA/COMPUTER SYSTEM OUTLET - FLUSH WALL MOUNTED WITH 1" EMPTY CONDUIT TO THE NEAREST TELEPHONE ROOM/SPACE
	DATA/COMPUTER SYSTEM OUTLET - FLUSH FLOOR MOUNTED WITH 1" EMPTY CONDUIT TO THE NEAREST TELEPHONE ROOM/SPACE
	BREAK GLASS STATION
	TELEVISION OUTLET
	DATA COLLECTION/TERMINATION PANEL
	INTERCOM STATION-M-MASTER STATION
	NURSE CALL DOME LIGHT #18A822
	NURSE CALL DUAL DOME LIGHT
	NURSE CALL STAFF STATION #4A3090
	NURSE CALL DUTY STATION #4A3092
	NURSE CALL EMERGENCY PULL CHAIN #J1381 WP DENOTES WATERPROOF, PB DENOTES PUSH BUTTON TYPE
	NURSE CALL MASTER STATION #4A3072
	NURSE CALL EQUIPMENT CABINET #12A2300
	NURSE CALL SINGLE BEDSIDE STATION #J1379
	EX - INDICATES EXISTING WORK TO REMAIN
	EQUIPMENT AND/OR DEVICE SHOWN DOTTED INDICATES EXISTING, UGN.

NOTES:
1. THIS SYMBOL LIST SHALL ALSO BE USED FOR DEMOLITION WORK.

Dutchess County Jail
Phase 3 Addition & Renovations
150 N. Hamilton St.
Poughkeepsie, N.Y. 12602
Owner
County of Dutchess
Department of Public Works
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Fax 914/431-1869
Tel 914/431-2121
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Tel 212/532-2211

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Fax 212/730-6425
Tel 212/382-1800

Civil Engineers
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2	5-4-94	ELECT. BID ISSUE
1	3-21-94	COST ESTIMATE ISSUE

No. Date Revision

Drawn By Date

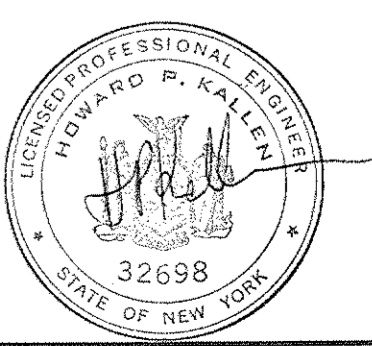
Checked By Date

Issue Date

Scale NONE

Key Plan

Drawing Title
SYMBOL LIST, NOTES & ABBREVIATIONS



GS Project No. 91-1286
RA Project # 99501.00
Drawing No.
E110

Dutchess County Jail

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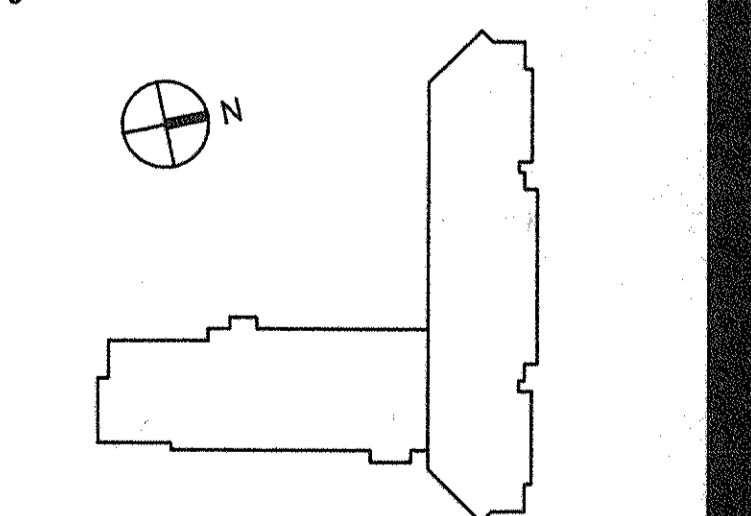
Mechanical/Electrical Engineers
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2	5/4/94	ELECTRICAL BID ISSUE
1	3/2/94	COST ESTIMATE ISSUE

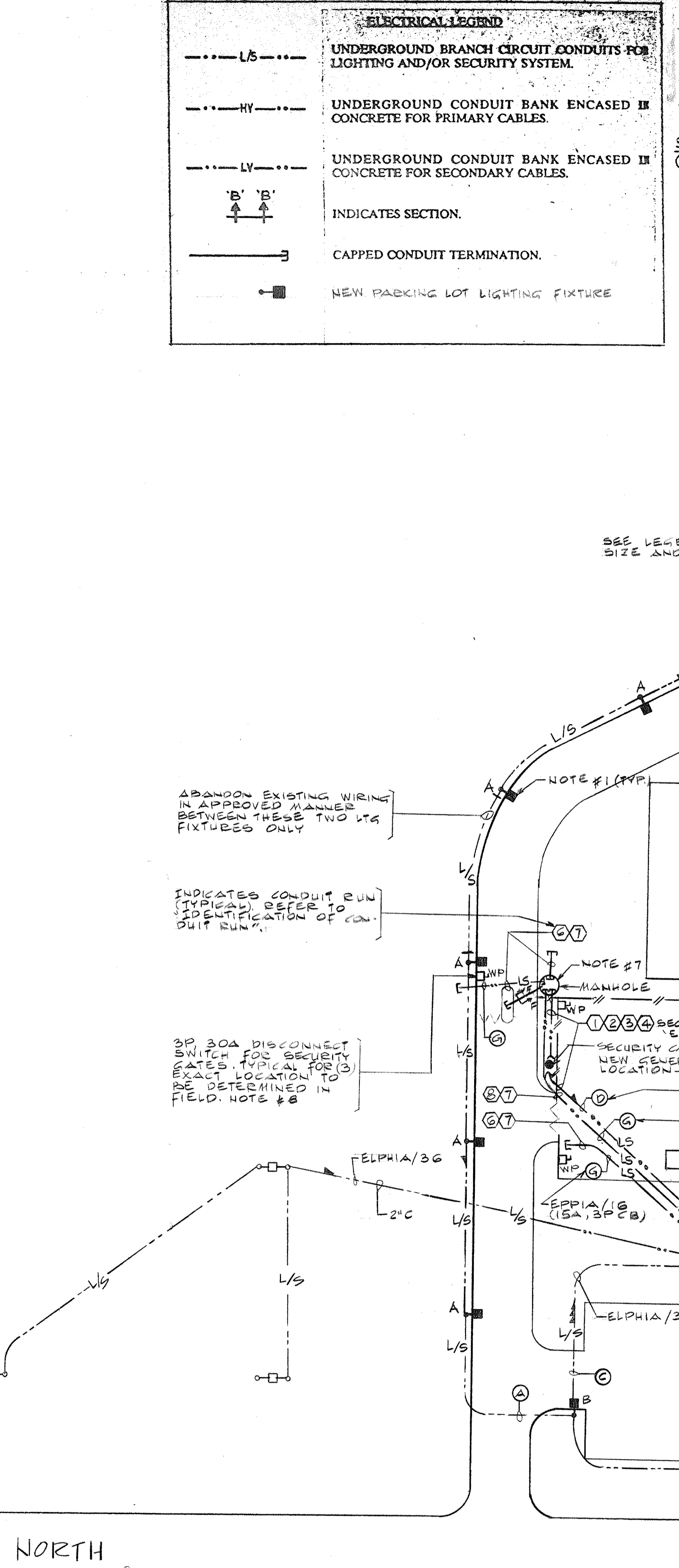
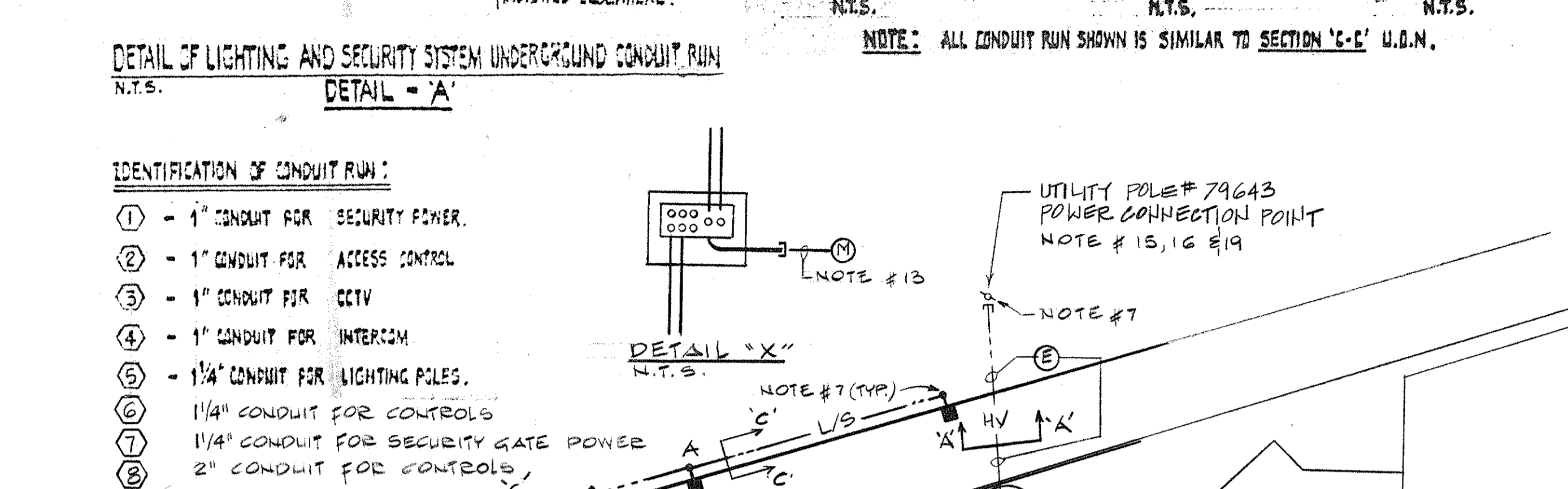
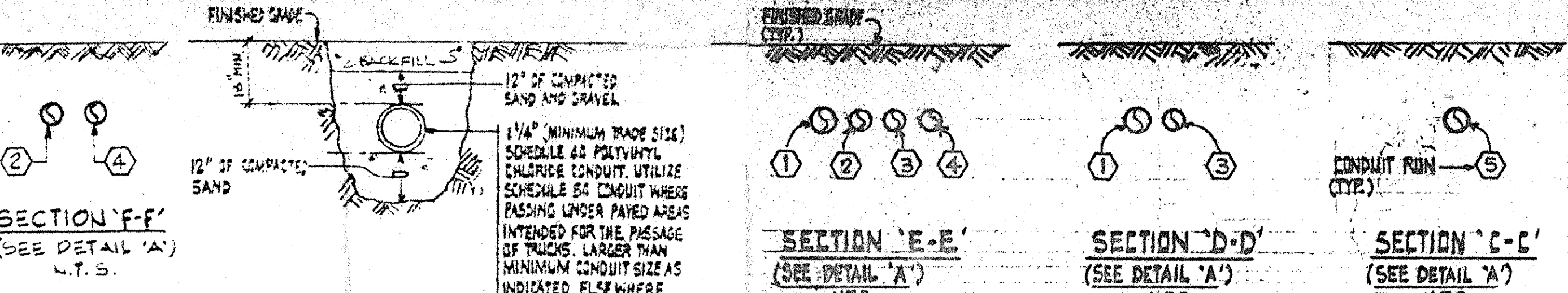
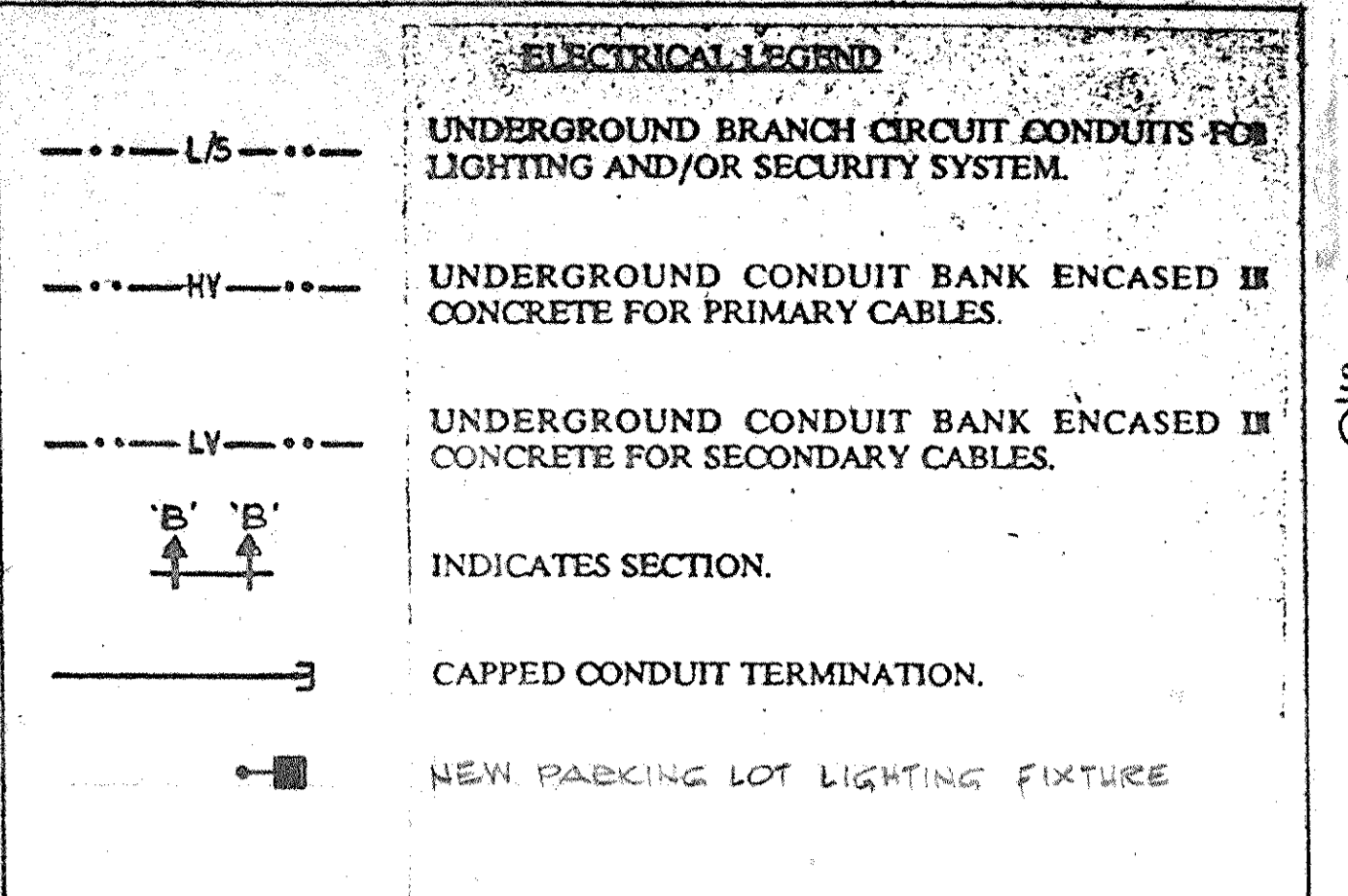
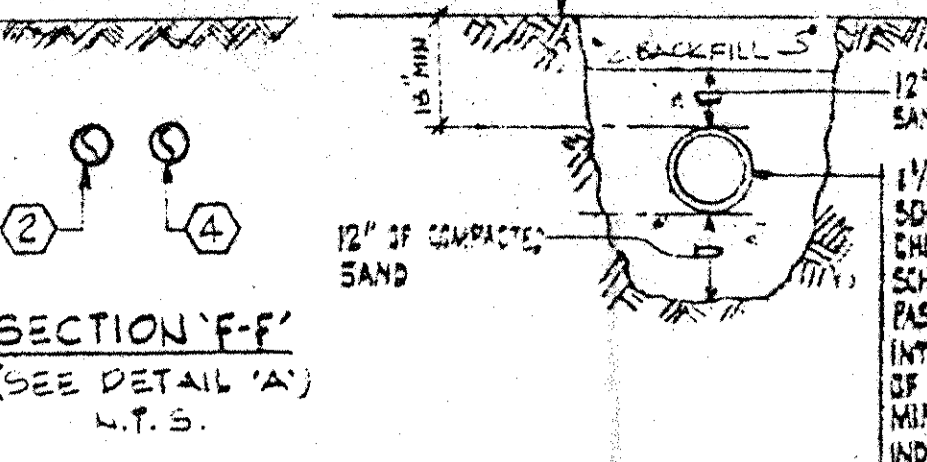
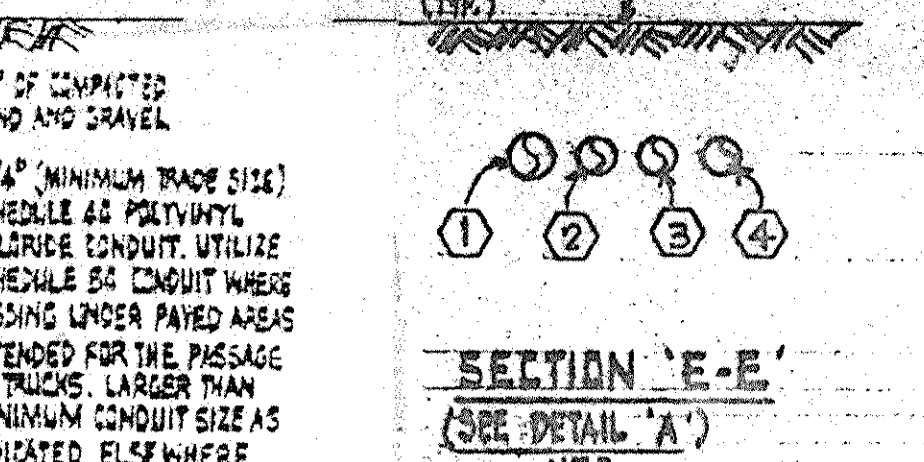
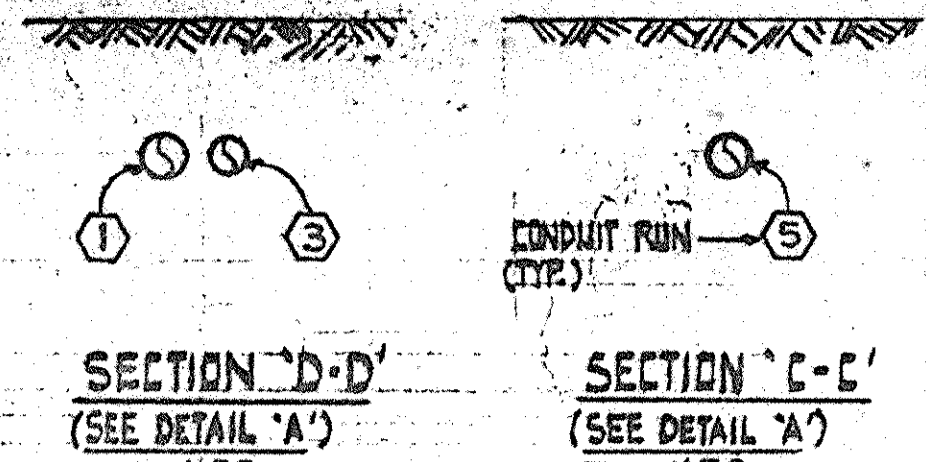
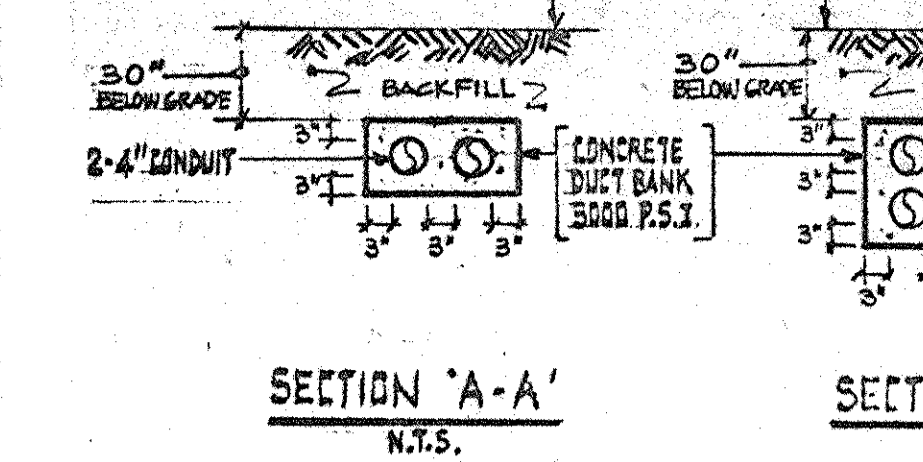
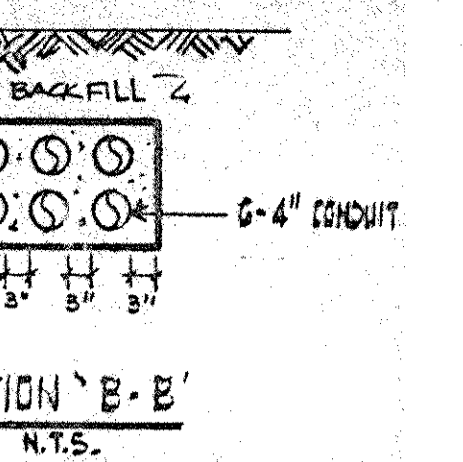
No.	Date	Revision

Scale
1" = 20'



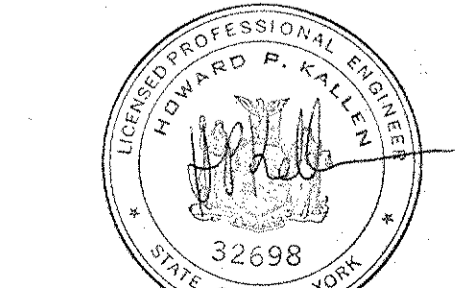
Drawing Title
SITE PLAN

CS Project No. 91-1286
RA Project # 98001.00
Drawing No.
E111



- THE PARKING LOT LIGHTING FIXTURES SHOWN ON THIS DRAWING SHALL BE:
TYPE 'A': LUMINAIRE SHALL BE "HADCOC" CAT. #S3-HCS221N50-HL, ONE PIECE DIE CAST ALUMINUM HOUSING WITH BRONZE POLYESTER POWER COAT, CLEAR TAMPERED GLASS LENS WITH GASKET SEALS ON HINGED LENS FRAME, WITH PORCELAIN MOGUL BASE SOCKET WITH 250 WATT HIGH PRESSURE SODIUM (H.P.S.) LAMP WITH HPF-OWH BALLAST, ALZAK REFLECTOR WITHIES TYPE III CUT-OFF, WITH ALL HARDWARE TO MOUNT ON 25 FOOT STEEL STRAIGHT POLE WITH SQUARE BASE 'LYTE' POLES, INC. #S3-910-4011-25. THE CONCRETE BASES FOR LITG. FIXT. ARE EXISTING ON SITE. CONTRACTOR MUST USE THE BOLT CIRCLE INSTALLED IN BASES. PROVIDE GROUNDING SYSTEM AT EACH POLE. REFER TO DETAILS ON DRAWING #E100A.
TYPE 'B': SAME AS TYPE 'A' EXCEPT WITH 12 FOOT POLE AND 150 WATT H.P.S. LAMP "HADCOC" CAT. #S3-HCS2150HU. POLE 'LYTE' POLES, INC. #S3-910-4011-12.
- PARTIAL SITE WORK SHOWN IS BEING INSTALLED UNDER CONTRACT #1-2 AND GENERALLY INCLUDES UNDERGROUND EMPTY RACEWAY SYSTEMS WITHIN 5'-0" OF NEW BUILDING AND VARIOUS TERMINATION POINTS AT SITE FOR "NORMAL" AND "EMERGENCY" POWER AND CONTROLS AND SECURITY WORK. THIS CONTRACTOR SHALL PROVIDE ALL NEW WORK U.O.N. AND SHALL PROVIDE EXTENSION OF RACEWAYS AND WIRING INSIDE THE BUILDING TO THEIR RESPECTIVE SERVICES FROM THE TERMINATION POINT LEFT BY OTHER CONTRACTOR AND EXTENSION AT FINAL UTILIZATION POINTS AND MAKE FINAL CONNECTIONS.
- REFER TO EXISTING DWG. #E-100 AND #E-100A (WITH THE LATEST REVISIONS) FOR REFERENCE AND FOR DETAILS WHERE APPLICABLE TO HIS CONTRACT. HOWEVER, THIS CONTRACTOR MUST VISIT SITE AND FAMILIARIZE HIMSELF WITH THE "AS-BUILT" WORK INSTALLED UNDER CONTRACT #1-2.
- ALL WIRING SHALL BE TYPE "USE-2-RHW" TYPE 2#8, 1#10G IN 1 1/2" CONDUIT U.O.N.
- ALL CONDUIT RUNS ARE EXISTING U.O.N. PROVIDE NEW CONDUIT EXTENSION AS SHOWN ON DRAWING AND ON POWER RISER DIAGRAMS.
- PROVIDE NEW WIRING IN ALL EXISTING CONDUIT RUNS AND IN NEW CONDUITS U.O.N.
- PROVIDE NEW EXTENSION OF RESPECTIVE SERVICES TO THE BUILDING AND OUTSIDE TO THE POWER SOURCE AND/OR FINAL UTILIZATION POINT. PROVIDE NEW WIRING U.O.N.
- PROVIDE ALL WORK REQUIRED FOR FOUR-FOLD SECURITY GATES AT SOUTH SERVICE ROAD (TOTAL 3 GATES), AS PER GATE MANUFACTURER'S REQUIREMENTS. PROVIDE EMERGENCY POWER FROM NEW BUILDING TO ALL CONTROL WIRING TO CENTRAL CONTROL ROOM #1074 AT EXISTING JAIL. PROVIDE NEMA 4-W.P. 30A-3P DISCONNECT SWITCH NEAR CONTROL PANEL FOR EACH GATE. PROVIDE INTERCONNECTION WIRING (WIRE AND CONDUIT) BETWEEN VARIOUS COMPONENTS FOR COMPLETE FUNCTIONAL SYSTEM - CONTROL PANEL, LIMIT SWITCH, SENSING EDGE SWITCH, CARD READER, SOLENOID VALVES AND MOTOR ASSEMBLY. PARTIAL UNDERGROUND EMPTY RACEWAYS HAVE BEEN INSTALLED UNDER CONTRACT #1-2, HOWEVER, PROVIDE ADDITIONAL RACEWAYS AND WIRING AT SITE.
- AT THE POLE BASE, PROVIDE REMOVABLE BASE COVERS TO CONCEAL THE HARDWARE. SEE BASE COVER DETAIL ON DWG. #E100A.
- BOND GROUND TO GROUNDING CONDUCTOR AND TO ONE ANCHOR BOLT.
- THE LIGHTING POLE SHALL HAVE GASKETED HANDHOLE WITH TAMPER-PROOF HARDWARE AND BASE COVERS.
- THE ANCHOR BOLT TEMPLATE CONFIGURATION IS ALREADY INSTALLED. CONTRACTOR MUST USE THE CONFIGURATION WITH THE LIGHT POLES SCHEDULE TO BE INSTALLED FOR PROPER COORDINATION OF ANCHOR BOLTS.
- EXTEND WITH 2" EMPTY CONDUIT SCHEDULE 80 WITH PULL CORD FROM TRANSFORMER VAULT VICINITY FOR UTILITY METERING.
- REFER TO CIVIL DIVISION SECTIONS OF THE SPECIFICATIONS FOR SITE WORK, EXCAVATION AND BACKFILLING, CONCRETE AND MASONRY.
- CONTACT AND CONFIRM ALL SITE WORK ELECTRICAL SERVICE WORK WITH CENTRAL HUDSON GAS AND ELECTRIC CORPORATION (CH&E), MR. BILL FLYNN (914) 486-5559, PRIOR TO INSTALLATION.
- ALL ELECTRIC SITE UTILITY WORK (PRIMARY AND SECONDARY) SHALL BE IN ACCORDANCE WITH REQUIREMENTS OF CH&E.
- PROVIDE GROUNDING SYSTEM AT CH&E TRANSFORMER AS PER THEIR REQUIREMENTS.
- THE TYPE 'A' LIGHTING FIXTURES BASES (TOTAL 9) SHOWN ON SOUTH CURB SIDE OF NEW SERVICE ROAD ARE WIRED UNDER STAGE 1 CONTRACT. USE WIRING INSTALLED AND EXTEND WIRING TO NEW LIGHTING POLES AND MAKE FINAL CONNECTION. PROVIDE GROUNDING SYSTEM TO DRIVEN GROUND ROD AND BOND TO ANCHOR BOLTS AND TO BUSHED CONDUIT WITH #10 GROUND WIRE. EACH CONDUIT RUN, SHOWN ON SOUTH SIDE OF NEW SERVICE ROAD FOR TOTAL 9 TYPE 'A' LIGHTING FIXTURES, HAVE 4 #8, 1 #10G TYPE "USE" CABLES. EXTEND WIRING TO POLE LUMINAIRES.
- EXTEND GROUNDING SYSTEM FROM GROUNDING ROD NEAR CH&E POLE BASE INSTALLED UNDER CONTRACT #1-2. PROVIDE #4 COPPER GROUND WIRE AND BOND TO H.V. CABLES TO CONFORM TO CH&E REQUIREMENTS. CONTACT MR. ROBIN MOORE AT (914) 486-5395.
- ALL EXTERIOR LIGHTING SHALL BE PHOTOCELL AND TIME CLOCK CONTROLLED, WITH OVERRIDE SWITCH ASCO #173A2 AT EXISTING CONTROL ROOM #1074. THIS LIGHTING INCLUDES ALL PARKING LOT LIGHTING AND ALL NEW BUILDING WALL MOUNTED EXTERIOR LIGHTING ON FIRST, SECOND, THIRD AND ROOF MOUNTED FIXTURES. ALL THIS LIGHTING SHALL BE POWERED FROM FIRST FLOOR EMERGENCY PANEL "ELPH-1A", AND SHALL BE CONTROLLED THROUGH ASCO REMOTE CONTROL SWITCH 12 POLE #917-1122-071X (277 VOLT) AND AUXILIARY CONTROL RELAY - ACCESSORY #47. TOTAL 12 BRANCH CIRCUITS. PROVIDE CONTROL WIRING AS REQUIRED BY MANUFACTURER (ASCO). THE OVERRIDE SWITCH SHALL BYPASS THE AUTOMATIC CONTROLS. THE PHOTOCELL WILL TURN LIGHTS ON AND OFF. TIME SWITCH TO OVERRIDE THE PHOTOCELL TO TURN LIGHTS OFF.

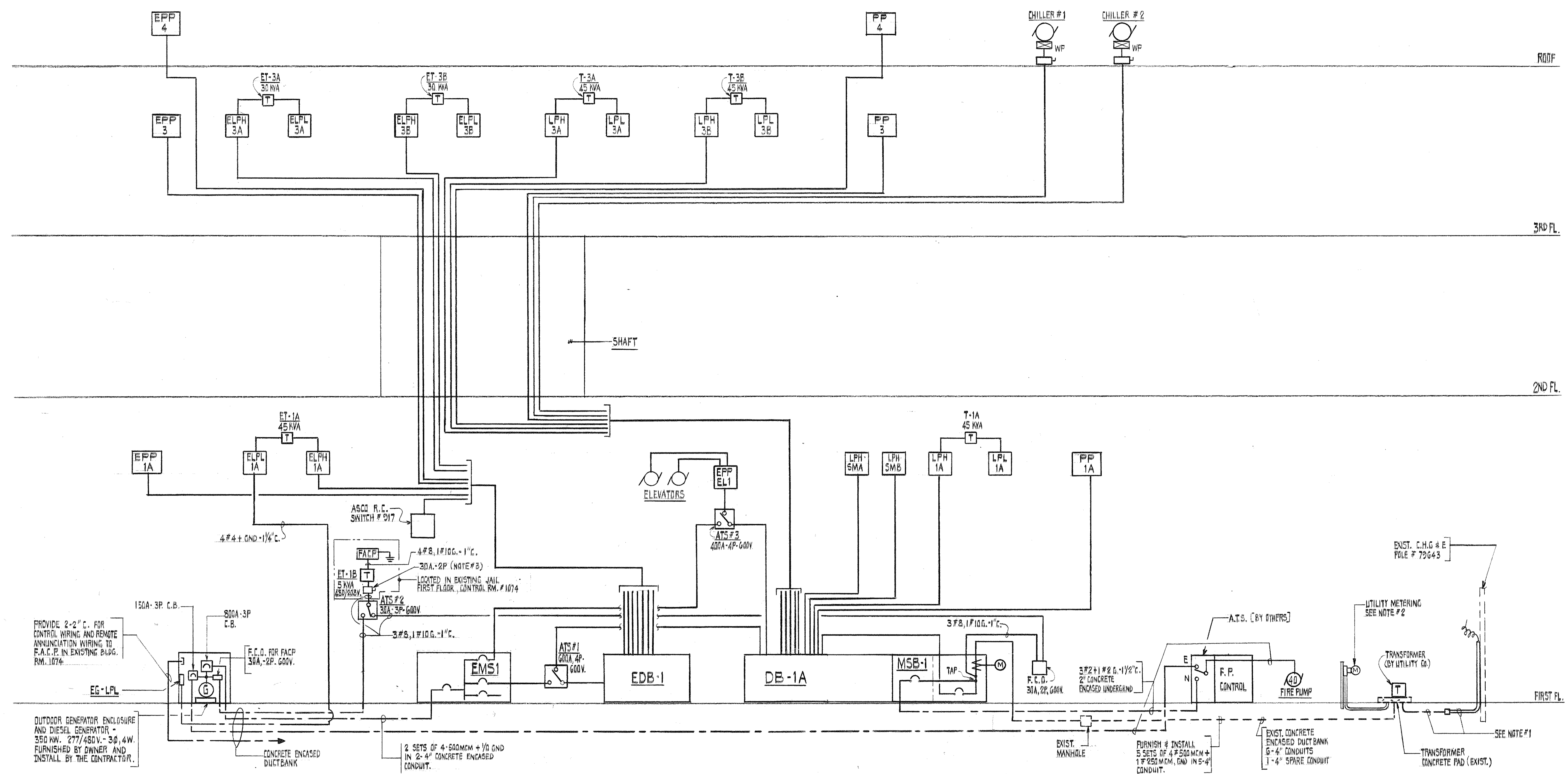
NORTH
HAMILTON STREET



LEGEND:
 ——— CONDUIT & WIRING CONCEALED
 - - - - CONDUIT & WIRING UNDERGROUND
 - - - - EXISTING CONDUIT

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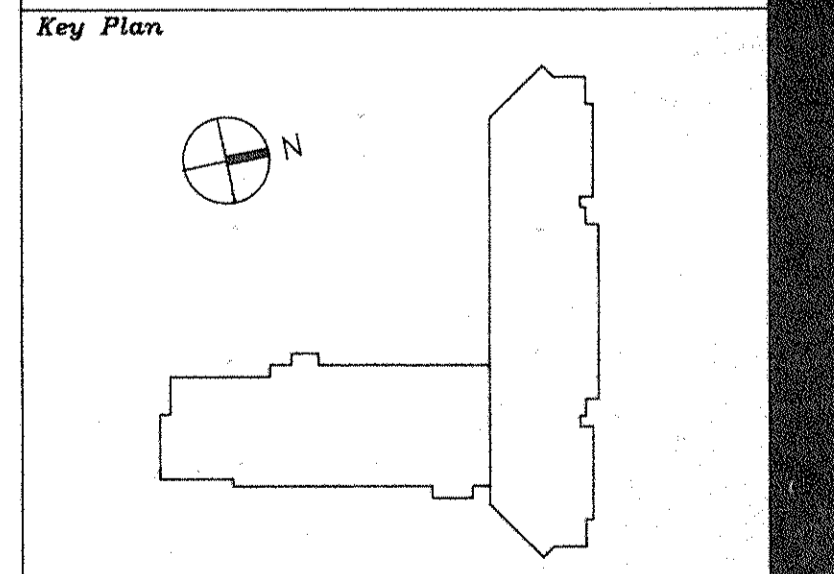
NEW BLDG. - LIGHT & POWER RISER DIAGRAM
 N.T.S.

- NOTES:**
1. TWO 4" EMPTY CONCRETE ENCASED CONDUITS ARE BEING INSTALLED BY OTHERS FROM PAD MOUNTED TRANSFORMER LOCATION TO UTILITY CO. (CENTRAL HUDSON GAS & ELECTRIC) POLE LOCATION. PROVIDE 482 2WG MEDIUM VOLTAGE CABLES AS REQUIRED BY UTILITY CO. IN THE EXISTING DUCT. LEAVE SUFFICIENT CABLE SLACK IN TRANSFORMER VAULT CAVITY AND AT UTILITY POLE AS REQUIRED BY CHEG FOR THEIR FINAL CONNECTION. PROVIDE GROUNDING SYSTEM AS REQUIRED BY CHEG. EXTEND CONDUITS AS REQUIRED TO COMPLETE THE WORK.
 2. ONE 2" EMPTY CONDUIT IS BEING INSTALLED BY OTHERS FOR CHEG METERING NEAR TRANSFORMER LOCATION. EXTEND CONDUIT AS REQUIRED AND COORDINATE WITH CHEG. PROVIDE UTILITY METERING SYSTEM WORK AS REQUIRED BY CHEG.
 3. PROVIDE UNUSED DISCONNECT SWITCH AT TRANSFORMER PRIMARY AT EXISTING JAIL. PROVIDE LAMINOID RED WARNING SIGN "CAUTION: POWER SOURCE FROM NEW BLDG." AT DISCONNECT SWITCH, TRANSFORMER ET-1B AND NEW FACP.
 4. EACH RECESSED PANEL SHALL HAVE 2 - 1" EC TERMINATED IN BUSHED ELBOW ABOVE CEILING WITH I.D. TAG "FOR FUTURE USE".

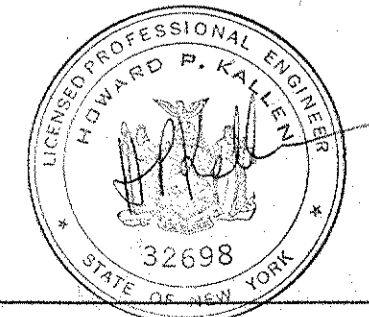
2	5/4/94	ELECTRICAL BID ISSUE
1	3-21-94	COST ESTIMATE ISSUE

Drawn By _____ Date _____
 Checked By _____ Date _____

Issue Date _____
 Scale _____



Drawing Title
**NEW BUILDING
 LIGHT & POWER
 RISER DIAGRAMS**



CS Project No. 91-1226
 RA Project # 99301.00
 Drawing No.

E112

3 5/9/94 GENERAL REVISIONS
2 5/4/94 ELECTRICAL BID ISSUE
1 3-21-94 COST ESTIMATE ISSUE

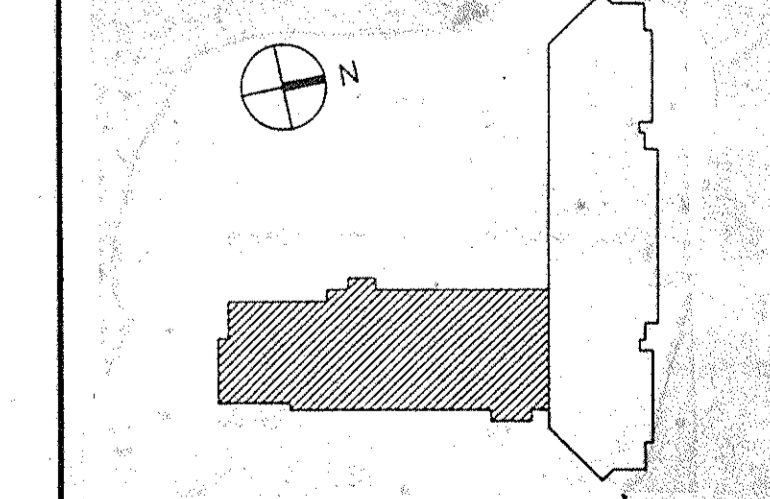
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Issue Date _____

Scale _____

Key Plan



Drawing Title

NEW BUILDING ELECTRICAL SCHEDULE



POWER PANEL SCHEDULE

MOUNTING : SURFACE, U.O.N.

PANEL DESIGN.	CKT. NO.	FRAME	TRIP	POLES	SERVICE TO	HP/KW	AMPS	FEEDER SIZE	REMARKS
MSB-1 MAIN BUS: 2000 A SCSIC: 2000 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	1	1600	1600	3	MAIN C.B.	-	-	-	* WITH GROUND FAULT PROTECTION
	2	400	350	3	FIRE PUMP	40	-	REFER TO RISER DIAGRAM	VIA ATS - 2" CONCRETE ENCASED
	3	600	-	3	S P A C E # BUS	-	-	-	
	4	400	-	3	S P A C E # BUS	-	-	-	
DB-1A MAIN BUS: 1600 A SCSIC: 1600 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	1	100	100	3	LPH-1A	-	-	4 # 2 + GND - 1 1/4" C.	
	2	100	100	3	LPH-3A	-	-	-	
	3	100	100	3	LPH-3B	-	-	-	
	4	100	100	3	PP1A	-	-	4 # 2 + GND - 1 1/2" C.	
	5	400	250	3	EPF-ELI	-	-	4 # 3/8, 1 # 4 GND - 2" C.	VIA ATS # 3
	6	100	100	3	PP3	-	-	4 # 2 + GND - 1 1/2" C.	
	7	400	250	3	CHILLER # 1	-	-	3 # 250 MCM + GND - 2 1/2" C.	
	8	400	250	3	CHILLER # 2	-	-	3 # 250 MCM + GND - 2 1/2" C.	
	9	225	225	3	LPH-SMA	-	-	4 # 4/8 + GND - 2 1/2" C.	ALTERNATE
	10	225	225	3	LPH-SMB	-	-	4 # 4/8 + GND - 2 1/2" C.	
	11	100	100	3	PP4	-	-	4 # 2 + GND - 1 1/2" C.	
	12	225	125	3	S P A R E	-	-	-	
	13	100	-	3	S P A C E # BUS	-	-	-	
	14	100	-	3	S P A C E # BUS	-	-	-	
EMS-1 MAIN BUS: 800 A SCSIC: 800 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	1	800	800	3	MAIN CIRCUIT BREAKER	-	-	-	* NON - AUTOMATIC
	2	600	600	3	EDB-1	-	-	2 SETS 4F 350MCM + GND. IN. 2-3" C.	VIA ATS # 1
	3	400	250	3	EPF-ELI	-	-	4 # 3/8, 1 # 4 GND - 2" C.	VIA ATS # 3
	4	100	-	3	S P A C E # BUS	-	-	-	
	5	100	-	3	S P A C E # BUS	-	-	-	
EDB-1 MAIN BUS: 800 A SCSIC: 800 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	1	100	100	3	EPF1A	-	-	4 # 2 + GND - 1 1/2" C.	
	2	225	225	3	EPF3	-	-	4 # 4/8 + GND - 2 1/2" C.	
	3	100	100	3	ELPH-1A	-	-	4 # 2 + GND - 1 1/2" C.	
	4	100	100	3	ELPH-3A	-	-	-	
	5	100	100	3	ELPH-3B	-	-	-	
	6	225	225	3	EPF4	-	-	4 # 4/8 + GND - 2 1/2" C.	
PP-1A MAIN BUS: 100 A SCSIC: 100 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	1	100	40	3	AC-1	-	-	3 # 12 + GND - 3/4" C.	MAG. STARTER NEMA SIZE 3, FVNR
	2	100	40	3	AC-4	-	-	10	
	3	15	15	3	R-1	-	-	3	MAG. STARTER NEMA SIZE 1, FVNR
	4	15	15	3	R-4	-	-	5	
	5	15	15	3	EF-1	-	-	2	
PP-3 MAIN BUS: 100 A SCSIC: 100 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	6	15	15	3	S P A R E	-	-	-	
	7	15	15	3	S P A R E	-	-	-	
	8	15	15	3	S-1	-	-	1/2	3 # 12 + GND - 3/4"
	9-12	100	100	3	S P A R E	-	-	-	MAG. STARTER NEMA SIZE 1, FVNR
	13-16	100	100	3	S P A C E # BUS	-	-	-	
PP-4 MAIN BUS: 100 A SCSIC: 100 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	1	100	15	3	EF-5	-	-	3/4	3 # 12 + GND - 3/4" C.
	2	100	15	3	EF-6	-	-	1/2	
	3	100	15	3	TURBO GAS PUMP	-	-	1 1/2	
	4	100	15	3	H.W. CIRC. PUMP	-	-	1 1/2	
	5	100	15	3	S-2	-	-	3	
PP-4 MAIN BUS: 100 A SCSIC: 100 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	6-7	100	100	3	S P A R E	-	-	-	
	8-10	100	100	3	S P A C E # BUS	-	-	-	
	1	100	15	3	EF-7	-	-	3	3 # 12 + GND - 3/4" C.
	2	50	50	3	P-1	-	-	20	3 # 4 + GND - 1 1/4" C.
	3	50	50	3	P-2	-	-	20	
EPF-1 MAIN BUS: 225 A SCSIC: 225 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	4-6	100	100	3	S P A R E	-	-	-	
	7-10	100	100	3	S P A C E # BUS	-	-	-	
	1	400	250	3	NON-AUTO. MAIN CIRCUIT BREAKER	-	-	-	WITH ELECTRIC OPERATOR FOR POWER SHUTDOWN
	2	225	125	3	ELEVATOR # 3	-	-	40	3 # 2 + 1 # 6 GND - 1 1/4" C.
	3, 4, 5	100	100	3	S P A C E # BUS	-	-	-	

POWER PANEL SCHEDULE

MOUNTING : SURFACE, U.O.N.

PANEL DESIGN.	CKT. NO.	FRAME	TRIP	POLES	SERVICE TO	HP/KW	AMPS	FEEDER SIZE	REMARKS	
EPP-1A MAIN BUS: 100 A SCSIC: 100 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	1	100	30	3	AC-2	-	-	7 1/2	3 # 12 + GND - 3/4" C.	
	2	15	15	3	AC-3	-	-	15	3 # 10 + GND - 3/4" C.	
	3	15	15	3	R-2	-	-	3	3 # 12 + GND - 3/4" C.	
	4	15	15	3	R-3	-	-	3		
	5	15	15	3	S P A R E	-	-	-		
	6	15	15	3	JOCKEY PUMP	-	-	-		
	7	15	15	3	S P A R E	-	-	-		
	8-11	100	100	3	S P A C E # BUS	-	-	-		
	12-15	100	100	3	S P A C E # BUS	-	-	-		
	14	15	15	3	SECURITY GATES (SERVICE ROAD)	-	-	2	3 # 10, 1 # 12 GND - 1 1/4" C.	
	15	15	15	3	S P A R E	-	-	2		
	16	15	15	3	S P A R E	-	-	2		
	17	15	15	3	S P A R E	-	-	2		
	18	15	15	3	S P A R E	-	-	2	3 # 12 + GND - 3/4" C.	
	EPP-4 MAIN BUS: 225 A SCSIC: 225 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	1	100	70	3	AC-5	-	-	25	3 # 8 + GND - 3/4" C.
		2	100	70	3	AC-6	-	-	25	
		3	40	40	3	R-5	-	-	10	3 # 12 + GND - 3/4" C.
		4	40	40	3	R-6	-	-	10	
5		15	15	3	TEMP. CONTROL AIR COMPRESSOR	-	-	2		
6		15	15	3	S P A R E	-	-	2		
7-9		100	100	3	S P A R E	-	-	-		
10-12		100	100	3	S P A C E # BUS	-	-	-		
EPP-3 MAIN BUS: 225 A SCSIC: 225 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND		1	100	15	3	EF-2	-	-	2	3 # 12 + 10 GND - 3/4" C.
		2	15	15	3	EF-4	-	-	1 1/2	
	3	40	40	3	P-3	-	-	10		
	4	40	40	3	P-4	-	-	10	STAND-BY	
	5	15	15	3	P-5	-	-	10		
	6	15	15	3	S P A R E	-	-	-		
	7	15	15	3	EF-3	-	-	1 1/2	3 # 12 + GND - 3/4" C.	
	8	15	15	3	S P A R E	-	-	-		
	9	15	15	3	B1	-	-	2		
	10	15	15	3	B2	-	-	2		
EPP-3 MAIN BUS: 225 A SCSIC: 225 A MOUNTING: PRE-STRUNG VOLTAGE: 277/480V, 3Ø, 4W, 1 Ø GND	11-13	100	100	3	S P A R E S	-	-	-		
	14-16	100	100	3	S P A C E # BUS	-	-	-		

NOTE : FVNR = FULL VOLTAGE NON-REVERSING.

LIGHTING PANEL SUMMARY SCHEDULE

VOLTAGE : 277/480V, 3Ø, 4W, 1 Ø GND, U.O.N.
SSIC : 18,000 A.

PANEL DESIGNATION	LOCATION	MAIN LUGS AMPS.	MAIN C.B. AMPS.	TOTAL NO. OF POLES	BRANCH CIRCUIT												REMARKS
					1P-15A		1P-20A		1P		2P		3P		SPACE BUSES		
					ACTIVE	SPARE	ACTIVE	SPARE	30A		15A	20A	30A	50A		20A	
LPH-1A	ELEC. SWGR. RM. 105A FIRST FLOOR	100	100	24			11	10							1	1-20A, 3P C/B FOR LPH-1A VIA 45 KVA TRANSFORMER.	
LPH-3A	M.E.R. NO. 2 THIRD FLOOR	100	100	24			6	15							1	1-20A, 3P C/B FOR LPH-3A VIA 45 KVA TRANSFORMER.	
LPH-3B	M.E.R. NO. 2 THIRD FLOOR	100	100	24			5	10							1	1-20A, 3P C/B FOR LPH-3B VIA 45 KVA TRANSFORMER.	
LPH-SMA	ELEC. SWGR. RM. 105A FIRST FLOOR	225	225	30					26						4-1P	PROVIDE INTEGRAL 200A., 3P CONTACTOR. ALL C.B. SHALL BE S.F.L. PROTECTED.	
LPH-SMB	ELEC. SWGR. RM. 105A FIRST FLOOR	225	225	30					26						4-1P	PROVIDE INTEGRAL 200A., 3P CONTACTOR.	
ELPH-1A	ELEC. SWGR. RM. 105A FIRST FLOOR	100	100	42			12	12						1	6-1P	1-20A, 3P C/B FOR ELPH-1A VIA 45 KVA TRANSFORMER 12- CIRCUITS WIRE THRU R.C. SWITCH FOR OUTDOOR LIGHTING	
ELPH-3A	M.E.R. NO. 2 THIRD FLOOR	100	100	24			6	15								1-20A, 3P C/B FOR ELPH-3A VIA 30 KVA TRANSFORMER.	
ELPH-3B	M.E.R. NO. 2 THIRD FLOOR	100	100	24			4	7						1	10	1-20A, 3P C/B FOR ELPH-3B VIA 30 KVA TRANSFORMER.	
LPL-1A	ELEC. SWGR. RM. 105A FIRST FLOOR	150A (1ST SECT ONLY)	150A (1ST SECT ONLY)	30 (EA. SECT)			43	11							2	* CIRCUIT NOS. (44, 45, 48), (50, 52, 54) FOR COMPACT STORAGE UNITS.	
LPL-3A	M.E.R. NO. 2 THIRD FLOOR	150A	150A	42			24	15									
LPL-3B	M.E.R. NO. 2 THIRD FLOOR	125A	125A	42			16	12								14-1P	
EG-LPL	GENERATOR RM.	100	100													FURNISHED UNDER PRE-PURCHASED EQUIPMENT (EMERGENCY GENERATOR).	
ELPL-1A	ELEC. SWGR. RM. 105A FIRST FLOOR	150A (1ST SECT ONLY)	150A (1ST SECT ONLY)	42 (EA. SECT)			48	13						1	14-1P	1-20A, 3P FOR EG-LPL	

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No.	Date	Revision
5	9/15/94	GENERAL REVISION
4	8/9/94	GENERAL REVISION
3	6/23/94	BULLETIN #
2	5/14/94	ELECTRICAL BID ISSUE
1	3/2/94	ESTIMATE ISSUE

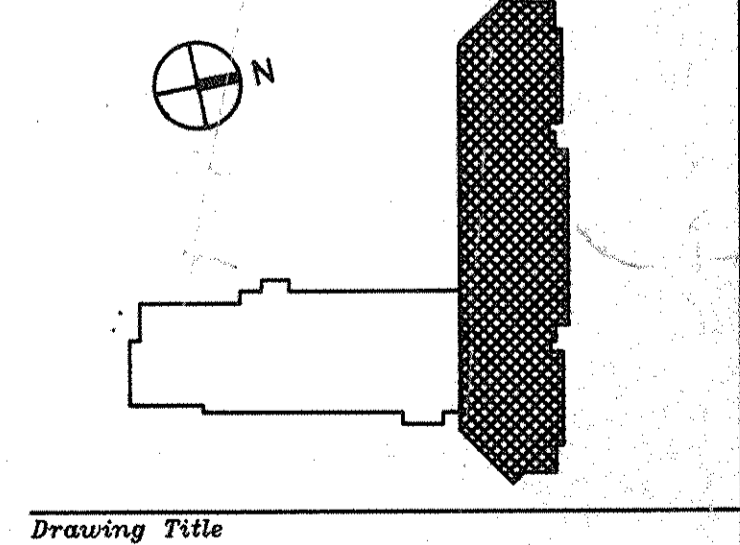
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Issue Date

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Key Plan



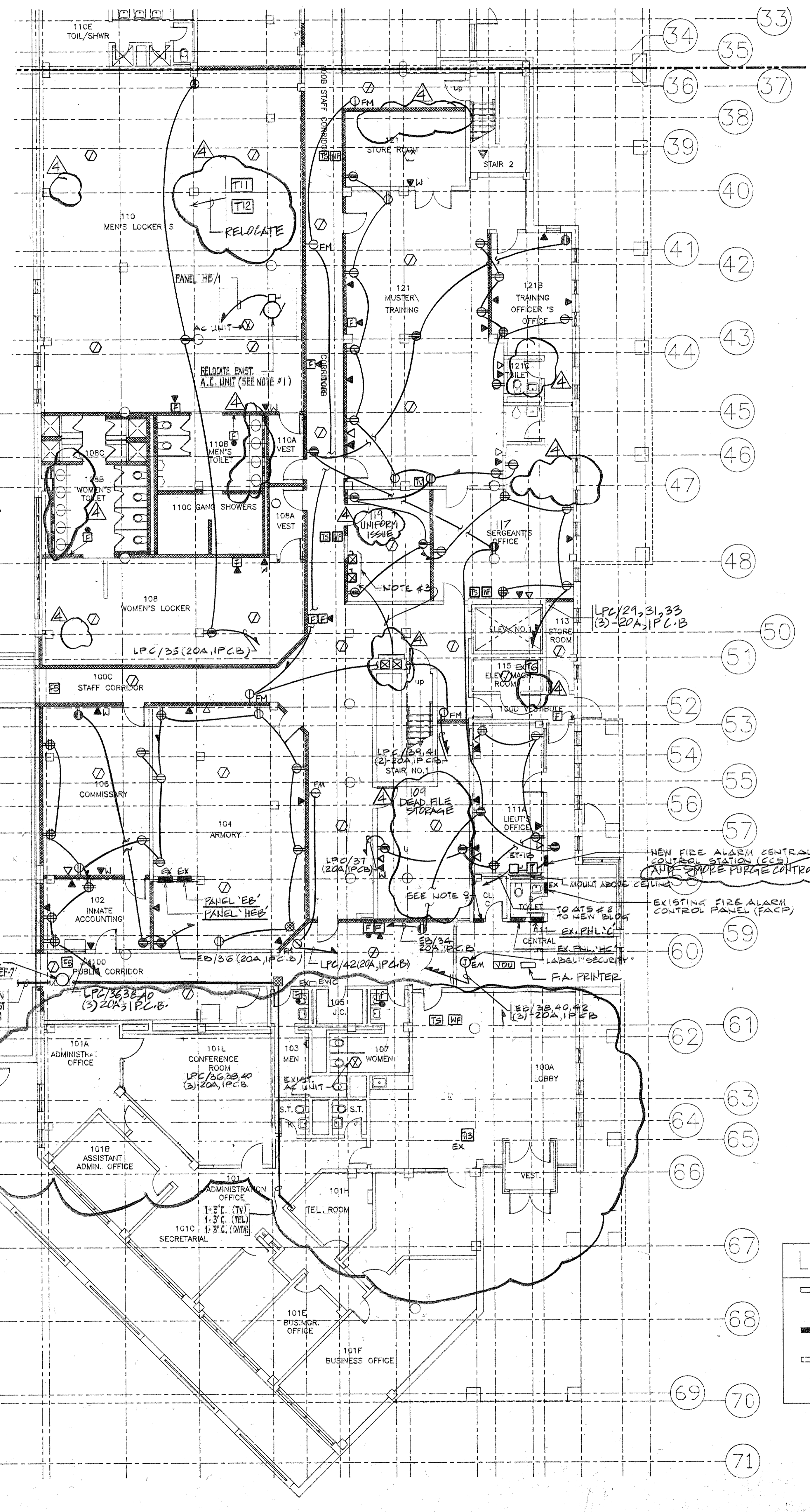
**EXISTING JAIL
 FIRST FLOOR
 POWER PLAN**

GS Project No. 91-1286
 RA Project # 98501.00
 Drawing No. **E201**

EXISTING ELECTRICAL ROOM EQUIPMENT SCHEDULE

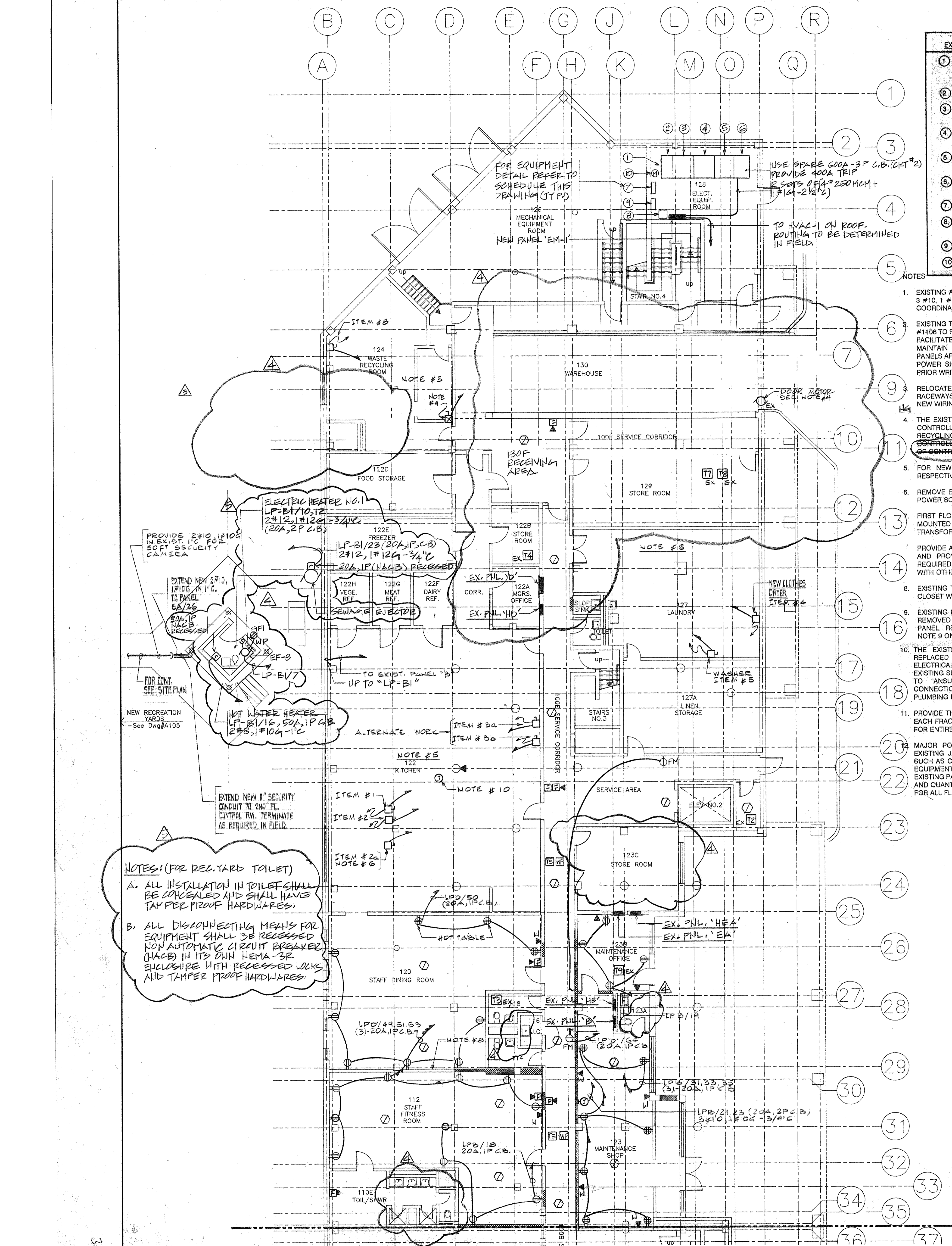
- EXISTING SWITCHBOARD "A" NORMAL & EMERGENCY DISTRIBUTION BOARD 277-480V, 3Φ, 4W
- EXISTING INCOMING PULL SECTION
- EXISTING MAIN SERVICE BREAKER SECTION - 2000A AND METERING
- EXISTING NORMAL SECTION SWITCHBOARD - 2000A G.E. AV-LINE
- EXISTING AUTOMATIC TRANSFER SWITCH - 800 AMP - 4P
- EXISTING EMERGENCY SECTION SWITCHBOARD - 1200A G.E. AV-LINE
- EXISTING PANEL "HA"
- EXISTING TRANSFORMER T1-45 KVA FLOOR MOUNTED
- EXISTING PANEL "A"
- UTILITY METERING

- NOTES**
- EXISTING A/C UNIT IS SCHEDULED TO BE RELOCATED PROVIDE 3 #10, 1 #8 IN 3"X4" AND EXTEND WIRING TO NEW LOCATION. COORDINATE WITH OTHER TRADES.
 - EXISTING TRANSFORMER T-5 ABOVE EXISTING JANITOR CLOSET #1106 TO REMAIN. PROVIDE SUPPORT FROM CEILING ABOVE TO FACILITATE NEW CONSTRUCTION. PROVIDE ACCESS DOOR, MAINTAIN CONTINUITY OF ELECTRICAL SERVICE AS THESE PANELS ARE FEEDING CRITICAL LOAD OF PANEL "HEB" AND "EB". POWER SHUTDOWN SHALL BE OF MINIMUM DURATION WITH PRIOR WRITTEN APPROVAL OF C.M. AND JAIL FACILITIES.
 - RELOCATE EXISTING HVAC TWO STARTERS AND ASSOCIATED RACEWAYS SYSTEM TO STORAGE ROOM #111B. EXTEND WITH NEW WIRING TO MATCH EXISTING TO NEW LOCATION.
 - THE EXISTING OVER-HEAD DOOR MOTOR SHALL REMAIN. THE CONTROLLER FOR DOOR MOTOR SHALL REMAIN AT WASTE RECYCLING ROOM #121. RELOCATE AND REWIRE MOTOR CONTROLLER TO NEW LOCATION. RELOCATE AND REWIRE MOTOR CONTROLLER TO NEW LOCATION.
 - FOR NEW LAUNDRY AND KITCHEN EQUIPMENT REFER TO RESPECTIVE EQUIPMENT SCHEDULE (DWG #E212).
 - REMOVE EXISTING ELECTRIC TWIN KETTLE WORK UP TO THE POWER SOURCE PANEL "HO".
 - FIRST FLOOR OF EXISTING JAIL HAS VARIOUS ABOVE CEILING MOUNTED EXISTING TRANSFORMERS. GENERALLY THESE TRANSFORMERS ARE SCHEDULED TO REMAIN U.O.N.
 - PROVIDE ACCESS DOOR FOR EACH OF THESE TRANSFORMERS AND PROVIDE SUPPORTS FOR THESE TRANSFORMERS AS REQUIRED TO FACILITATE RENOVATION WORK. COORDINATE WITH OTHER TRADES.
 - EXISTING TELEPHONE EQUIPMENT TO REMAIN. PROVIDE NEW CLOSET WITH DOORS TO HOUSE TELEPHONE.
 - EXISTING FIRE ALARM GRAPHIC DISPLAY PANEL "FAGD" TO BE REMOVED AND REPLACED WITH NEW MASTER GRAPHIC DISPLAY PANEL. REFER TO SPEC AND FIRE ALARM RISER DIAGRAM AND NOTE 9 ON DRAWING E-302.
 - THE EXISTING KITCHEN GAS SOLENOID VALVE IS TO BE REPLACED WITH NEW SOLENOID VALVE. EXTEND EXISTING ELECTRICAL WORK TO NEW LOCATION AND MAINTAIN THE EXISTING SERVICES TO NEW LOCATION, SUCH AS CONNECTION TO "ANSUL" SYSTEM, EMERGENCY SHUTOFF STATION, CONNECTION TO FIRE ALARM SYSTEM. COORDINATE WITH PLUMBING DWGS.
 - PROVIDE THERMAL OVERLOAD SWITCH WITH PILOT LIGHT FOR EACH FRACTIONAL MOTOR WITHIN SIGHT OF MOTOR. TYPICAL FOR ENTIRE PROJECT.
 - MAJOR PORTION OF FIRST FLOOR ELECTRICAL WORK OF EXISTING JAIL IS TO BE DEMOLISHED, EXCEPT SOME AREAS SUCH AS CONTROL ROOM #107A, KITCHEN, STAIRS, LAUNDRY, EQUIPMENT ROOMS AND PARTIAL ADMINISTRATION AREAS. USE EXISTING PANELBOARDS. PROVIDE NEW BREAKERS OF RATINGS AND QUANTITY AS NOTED. TYPICAL FOR LIGHTING AND POWER FOR ALL FLOORS.



LEGEND

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- EXISTING PARTITION TO BE REMOVED



NOTES: (FOR REC. YARD TOILET)

- ALL INSTALLATION IN TOILET SHALL BE CONCEALED AND SHALL HAVE TAMPER PROOF HARDWARES.
- ALL DISCONNECTING MEANS FOR EQUIPMENT SHALL BE RECEIVED NON AUTOMATIC CIRCUIT BREAKER (NACB) IN ITS OWN NEMA-3R ENCLOSURE WITH RECESSED LOCKS AND TAMPER PROOF HARDWARES.

4	3/12/94	GENERAL REVISIONS
3	3/3/94	GENERAL REVISIONS
2	5/14/94	ELECTRICAL BID ISSUE
.1	3/21/94	COST ESTIMATE ISSUE

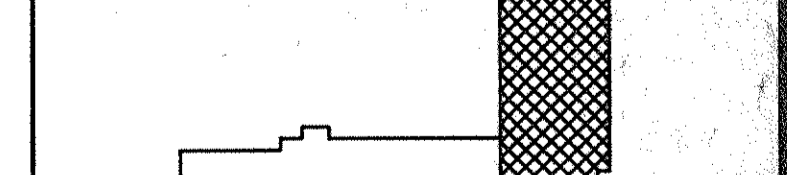
No.	Date	Revision

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Checked By	Date

Issue Date	
Scale	1/8" = 1'-0"
Key Plan	

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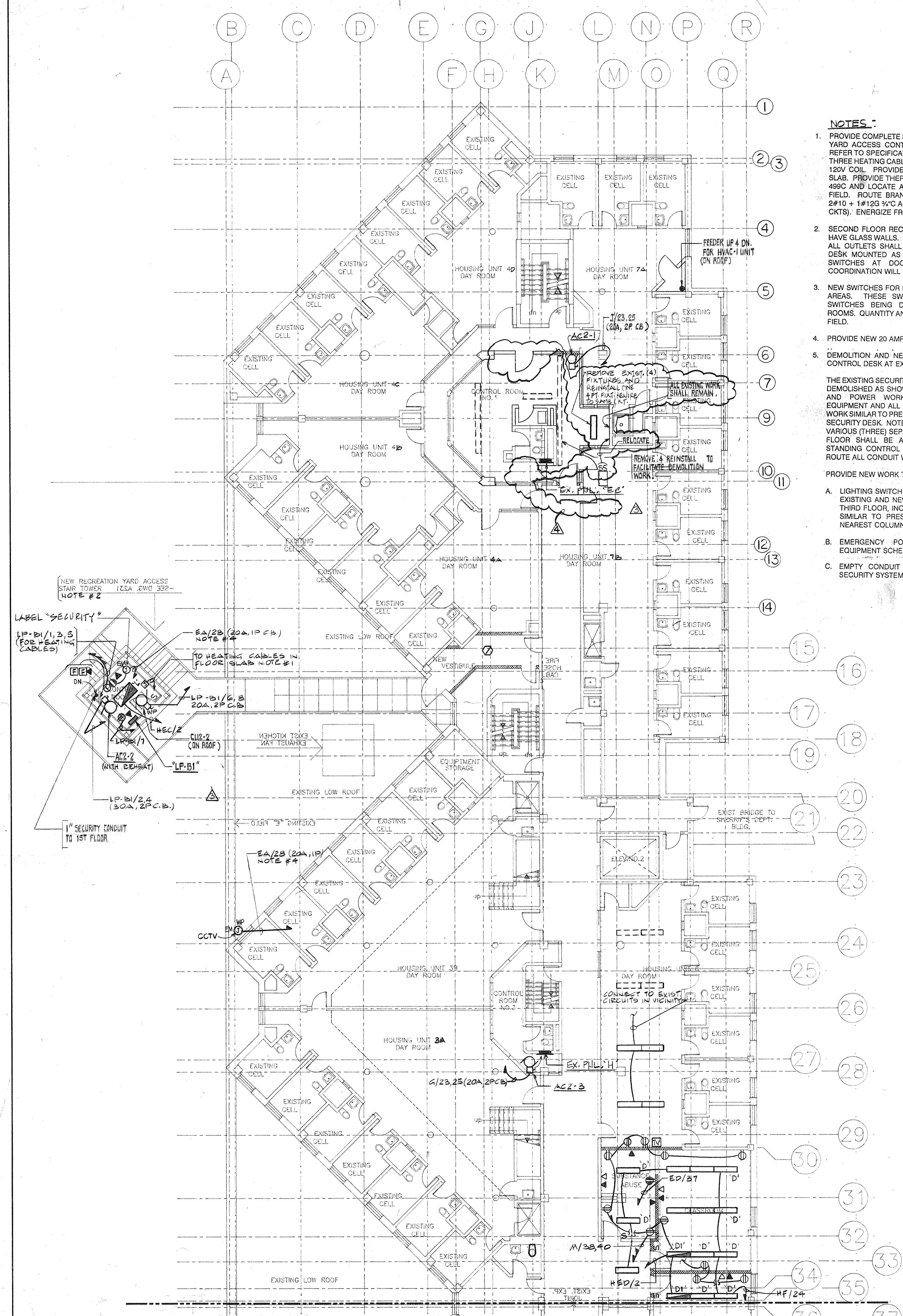


Drawing Title	
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**EXISTING JAIL
 SECOND FLOOR
 POWER & LIGHTING
 PLAN**

CS Project No. 91-1286
 RA Project # 9801.00
 Drawing No.

E202



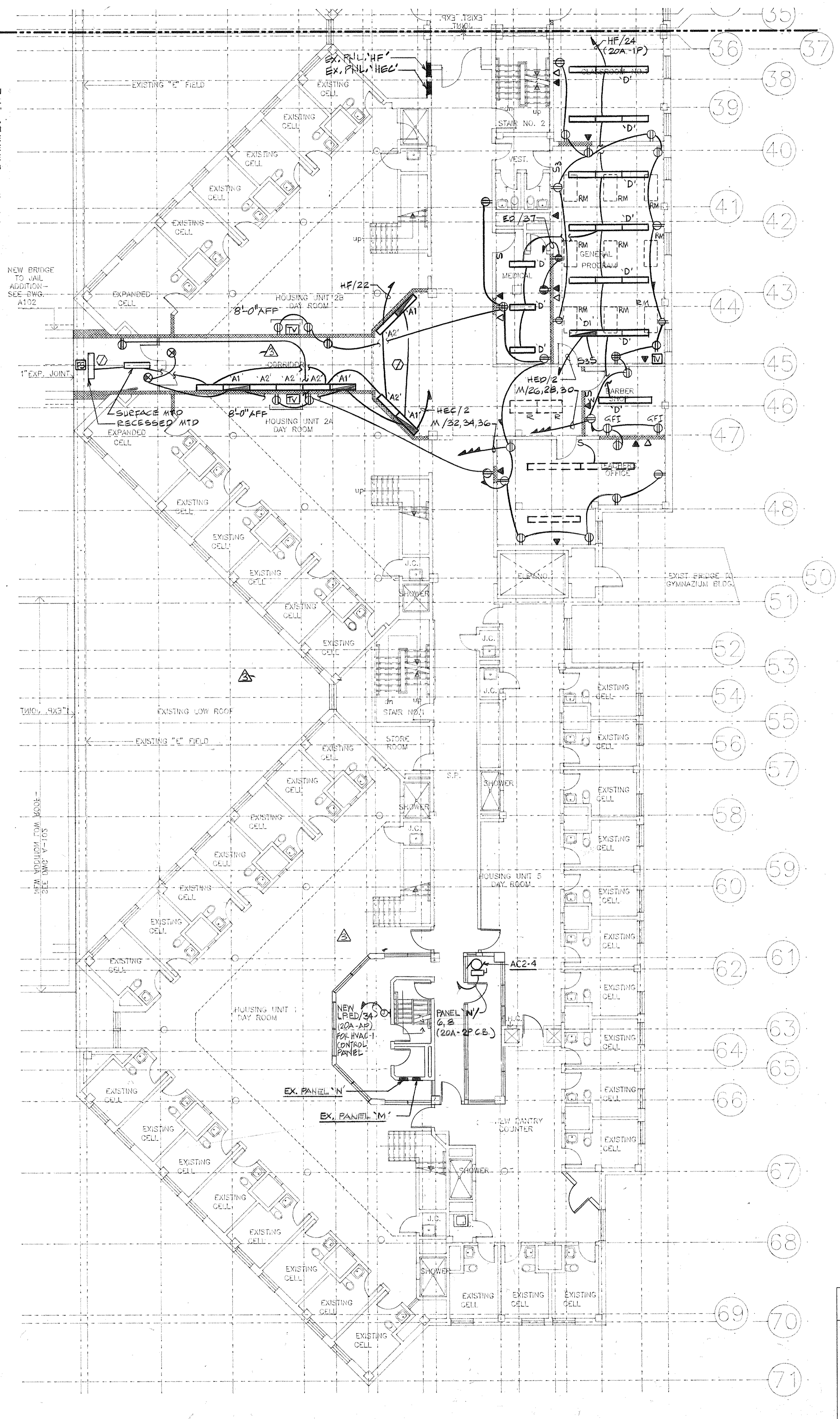
NOTES:

- PROVIDE COMPLETE FLOOR HEATING SYSTEM FOR RECREATION YARD ACCESS CONTROL TOWER FLOOR AT SECOND FLOOR. REFER TO SPECIFICATION SECTION #18857. PROVIDE 'NELSON' THREE HEATING CABLES CAT # A722K0700X, 8.0 AMPS, 985 WATT, 120V COIL. PROVIDE TEMPERATURE SENSING BULB IN FLOOR SLAB. PROVIDE THERMOSTAT CONTROL BOX NELSON CAT # TE 499C AND LOCATE AT CONTROL DESK. COORDINATE IN THE FIELD. ROUTE BRANCH WIRING THROUGH FLOOR. PROVIDE 2#10 + 1#125 3/4" C AND 20A-1P C.B. FOR EACH CABLE (TOTAL 3 CKTS). ENERGIZE FROM NEW PANEL "LP-B1".
- SECOND FLOOR REC. YARD ACCESS CONTROL TOWER WALLS HAVE GLASS WALLS. ROUTE ALL RACEWAYS THROUGH FLOORS. ALL OUTLETS SHALL BE FLOOR MOUNTED AND/OR SECURITY DESK MOUNTED AS PER ARCHITECTURAL DETAILS. MOUNT SWITCHES AT DOOR MULLION AS REQUIRED. CLOSE COORDINATION WILL BE REQUIRED PRIOR TO ROUGH-IN.
- NEW SWITCHES FOR EXISTING LIGHTING FIXTURES OF VARIOUS AREAS. THESE SWITCHES SHALL REPLACE THE EXISTING SWITCHES BEING DEMOLISHED FROM VARIOUS CONTROL ROOMS. QUANTITY AND AREAS SERVED WILL BE DETERMINED IN FIELD.
- PROVIDE NEW 20 AMP C.B. AT EXISTING SPACE [PANEL 'EA']
- DEMOLITION AND NEW WORK AT EACH CONTROL ROOM OR CONTROL DESK AT EXISTING JAIL:

THE EXISTING SECURITY CONTROL ROOMS ARE SCHEDULED TO BE DEMOLISHED AS SHOWN ON DRAWING. REMOVE ALL LIGHTING AND POWER WORK INCLUDING CONTROLS FOR HVAC EQUIPMENT AND ALL LOW VOLTAGE SYSTEMS. HOWEVER, ALL WORK SIMILAR TO PRESENT SET-UP SHALL BE INSTALLED AT NEW SECURITY DESK. NOTE THAT TYPICALLY, PRESENT FUNCTION OF VARIOUS (THREE) SEPARATE CONTROL ROOMS AT 2ND AND 3RD FLOOR SHALL BE ACCOMPLISHED FROM ONE NEW FREE STANDING CONTROL DESK AT SECOND FLOOR. GENERALLY, ROUTE ALL CONDUIT WORK THROUGH FIRST FLOOR CEILING.

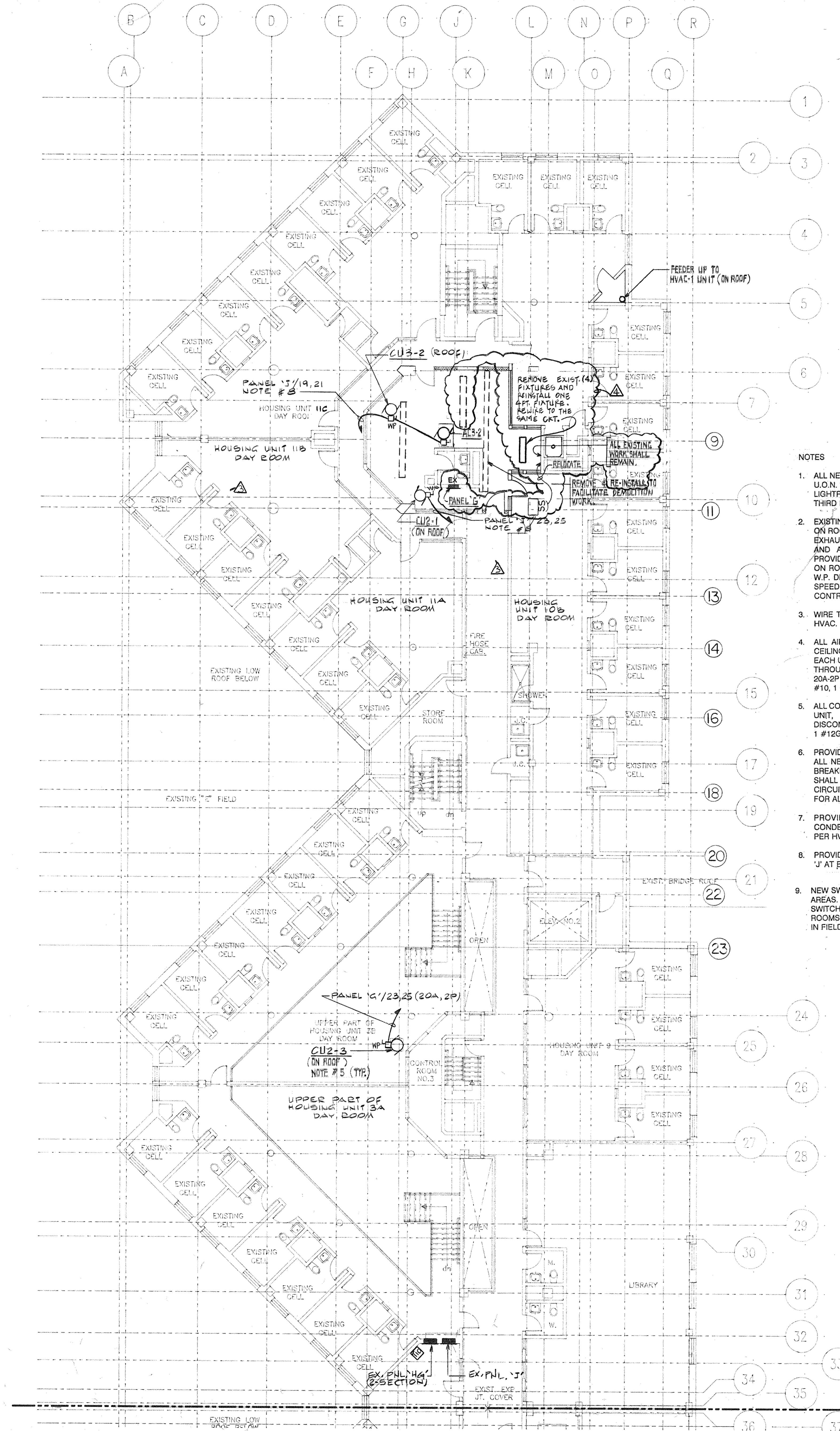
PROVIDE NEW WORK TO INCLUDE:

- LIGHTING SWITCH CONTROLS AT NEW SECURITY DESK FOR EXISTING AND NEW LIGHTING FIXTURES FOR SECOND AND THIRD FLOOR, INCLUDING INDIVIDUAL LIGHTING CONTROLS SIMILAR TO PRESENT SCHEME. LOCATE SWITCHES AT NEAREST COLUMN OR WALL.
- EMERGENCY POWER FOR ALL SECURITY RELATED EQUIPMENT SCHEDULED TO BE INSTALLED AT NEW DESK.
- EMPTY CONDUIT SYSTEM FOR DATA, TELEPHONE AND SECURITY SYSTEM OUTLETS AT DESK.

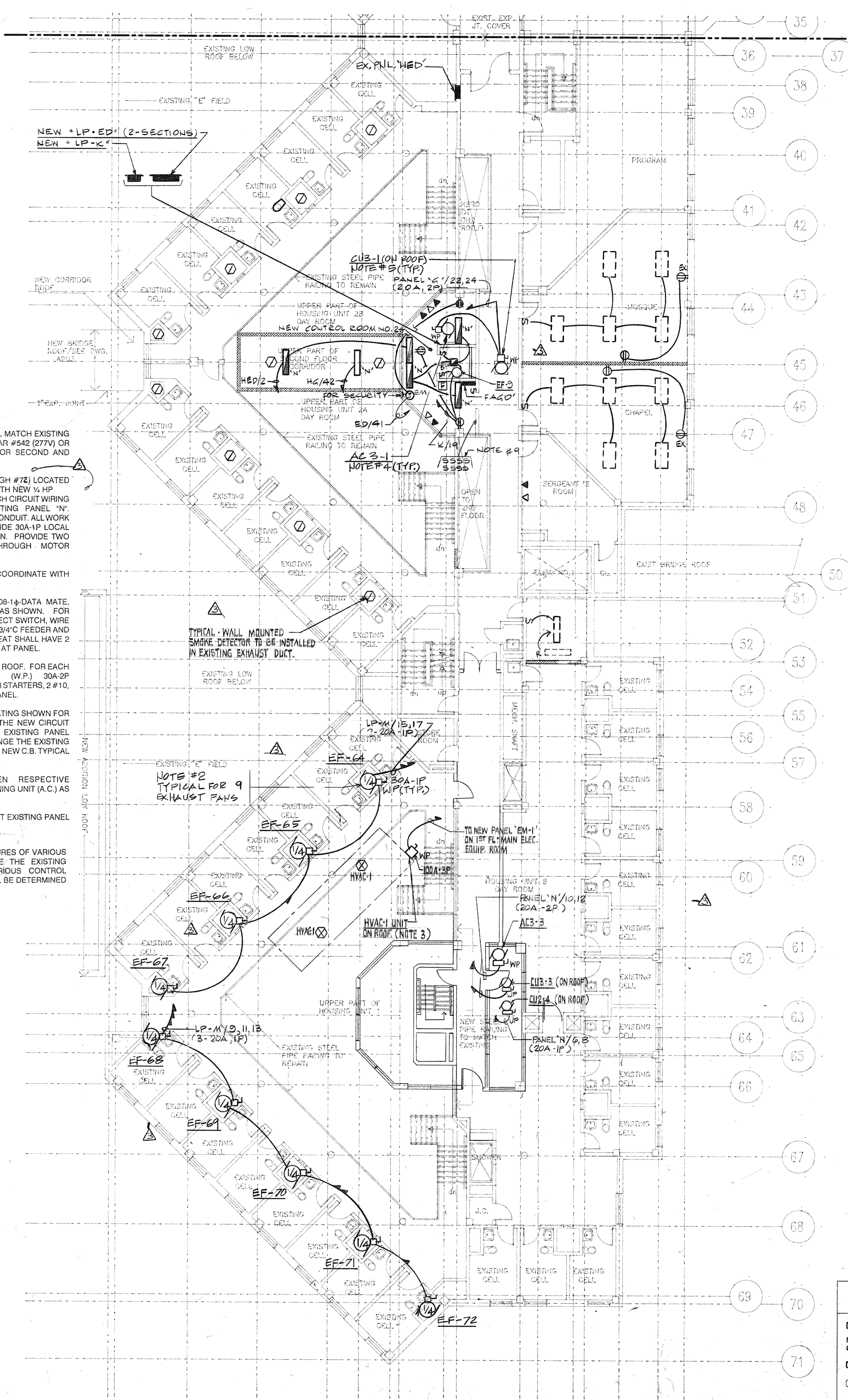


LEGEND

	NEW FIXTURE
	EXISTING FIXTURE TO REMAIN
	EXISTING FIXTURE TO BE RELOCATED AS SHOWN
	EXISTING FIXTURE TO BE REMOVED



- NOTES**
1. ALL NEW 1'x4' FLUORESCENT FIXTURES SHALL MATCH EXISTING U.O.N. (KENALL #7235 (27V) OR ACME DUNBAR #542 (27V) OR LIGHTTRON #VFP-240-M3 (27V)). TYPICAL FOR SECOND AND THIRD FLOORS.
 2. EXISTING (9) EXHAUST FANS (#EF-64 THROUGH #72) LOCATED ON ROOF TO BE REMOVED AND REPLACED WITH NEW 1/2 HP EXHAUST FANS. REMOVE ALL EXISTING BRANCH CIRCUIT WIRING AND ASSOCIATED SWITCHES UP TO EXISTING PANEL 'N'. PROVIDE NEW BRANCH CIRCUIT WIRING AND CONDUIT. ALL WORK ON ROOF SHALL BE WEATHERPROOF. PROVIDE 30A-1P LOCAL W.P. DISCONNECT SWITCH AT EACH EXH. FAN. PROVIDE TWO SPEED WIRING AND WIRE MOTORS THROUGH MOTOR CONTROLLERS AS REQUIRED BY HVAC.
 3. WIRE THROUGH HVAC-1 CONTROL PANEL COORDINATE WITH HVAC.
 4. ALL AIR CONDITIONING (A/C) UNIT TO BE 208-110-DATA MATE. CEILING MOUNTED ON 2ND AND 3RD FLOOR AS SHOWN. FOR EACH UNIT, PROVIDE LOCAL 30A-2P DISCONNECT SWITCH, WIRE THROUGH MOTOR STARTERS, 2 #12, 1 #120-3/4" FEEDER AND 20A-2P C.B. AT PANEL. UNIT AC2-2 WITH REHEAT SHALL HAVE 2 #10, 1 #100-3/4" FEEDER AND 30A, 2P C.B. AT PANEL.
 5. ALL CONDENSING UNIT (CU) TO BE 208V-110 ON ROOF. FOR EACH UNIT, PROVIDE LOCAL WEATHERPROOF (W.P.) 30A-2P DISCONNECT SWITCH, WIRE THROUGH MOTOR STARTERS, 2 #10, 1 #120-3/4" FEEDER AND 20A-2P C.B. AT PANEL.
 6. PROVIDE NEW CIRCUIT BREAKERS (C.B.) OF RATING SHOWN FOR ALL NEW WORK IN EXISTING PANEL U.O.N. THE NEW CIRCUIT BREAKERS REQUIRED TO BE INSTALLED IN EXISTING PANEL SHALL MATCH EXISTING BREAKERS. REARRANGE THE EXISTING CIRCUITS TO FACILITATE THE INSTALLATION OF NEW C.B. TYPICAL FOR ALL EXISTING PANELBOARDS.
 7. PROVIDE INTERLOCK WIRING BETWEEN RESPECTIVE CONDENSING UNITS (CU) AND AIR CONDITIONING UNIT (A.C.) AS PER HVAC REQUIREMENTS.
 8. PROVIDE TWO (2) 30A-2P CIRCUIT BREAKERS AT EXISTING PANEL 'J' AT EXISTING SPACES.
 9. NEW SWITCHES FOR EXISTING LIGHTING FIXTURES OF VARIOUS AREAS. THESE SWITCHES SHALL REPLACE THE EXISTING SWITCHES BEING DEMOLISHED FROM VARIOUS CONTROL ROOMS. QUANTITY AND AREAS SERVED SHALL BE DETERMINED IN FIELD.



LEGEND

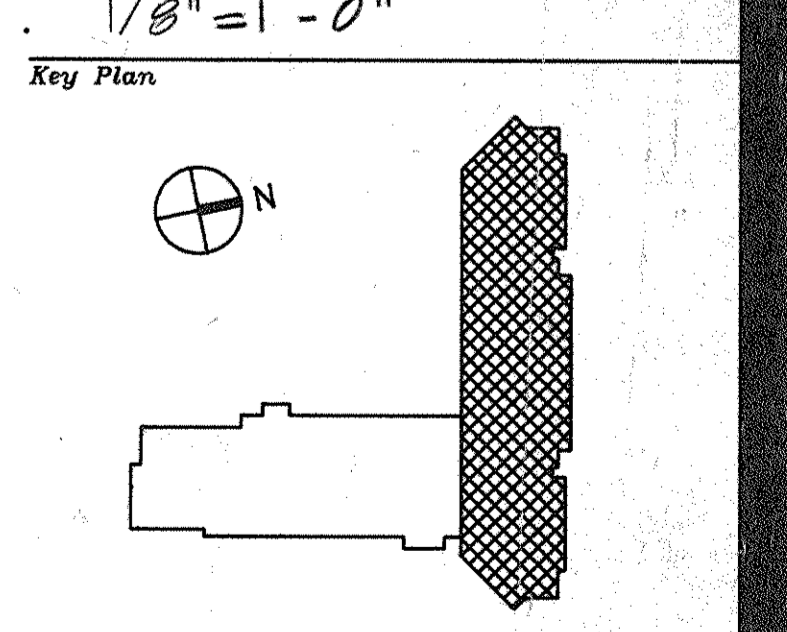
	NEW FIXTURE
	EXISTING FIXTURE TO REMAIN
	EXISTING FIXTURE TO BE RELOCATED AS SHOWN
	EXISTING FIXTURE TO BE REMOVED

Dutchess County Jail
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 Tel 914/471-7898

No.	Date	Revision
4	9/12/94	GENERAL REVISIONS
3	8/3/94	GENERAL REVISIONS
2	5/1/94	ELECTRICAL BID ISSUE
1	3/21/94	COST ESTIMATE ISSUE

Drawn By _____ Date _____
 Checked By _____ Date _____
 Issue Date _____
 Scale 1/8" = 1'-0"
 Key Plan



Drawing Title
**EXISTING JAIL
 THIRD FLOOR
 POWER & LIGHTING
 PLAN**

CS Project No. 91-1286
 84 Project # 99001.00
 Drawing No. **E203**

5	4/15/99	GENERAL REVISION
4	4/12/99	GENERAL REVISION
3	6/9/94	GENERAL REVISION
2	5/4/94	ELECTRICAL BID ISSUE
1	3-21-94	COST ESTIMATE ISSUE

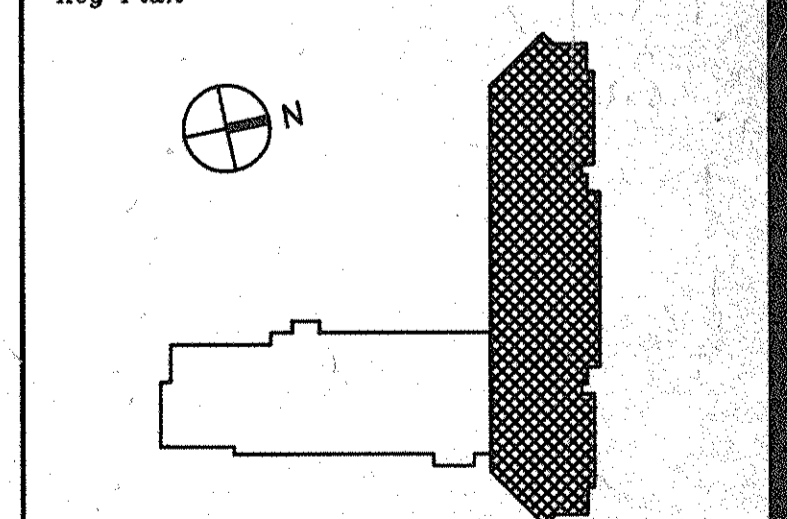
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Issue Date _____

Scale _____

Key Plan _____



Drawing Title

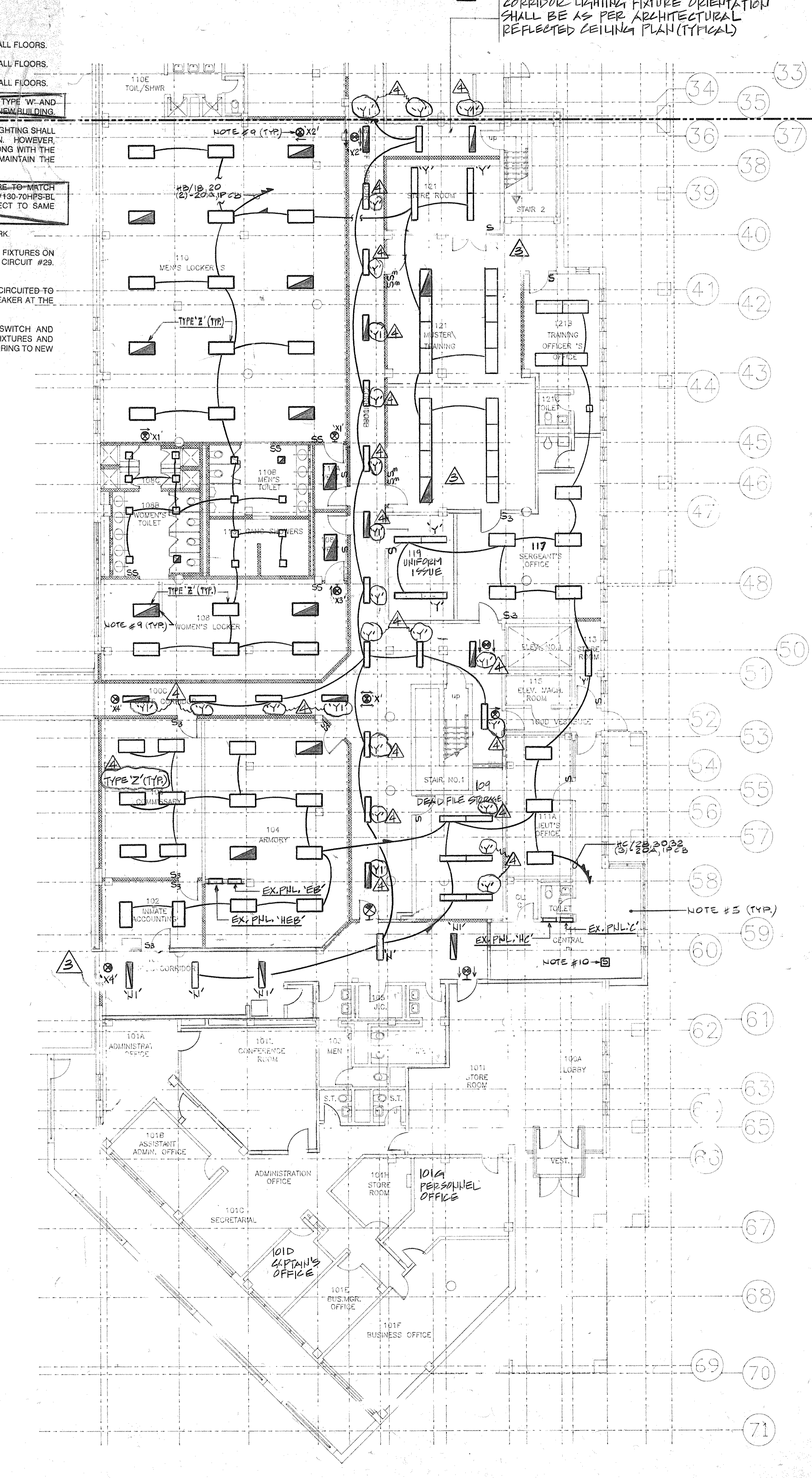
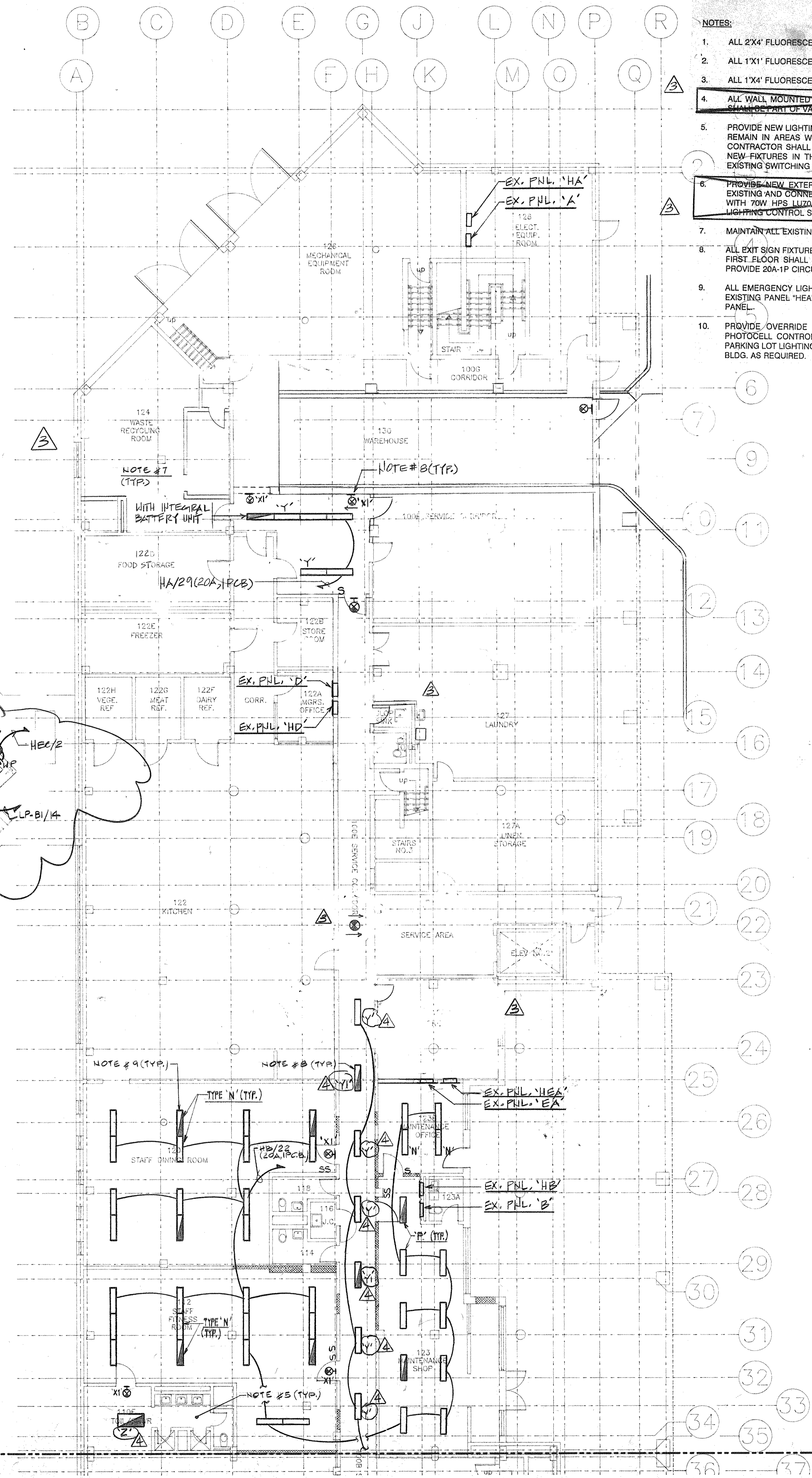
**EXISTING JAIL
FIRST FLOOR
LIGHTING PLAN**

CS Project No. 91-1286
RA Project # 9901.00
Drawing No.

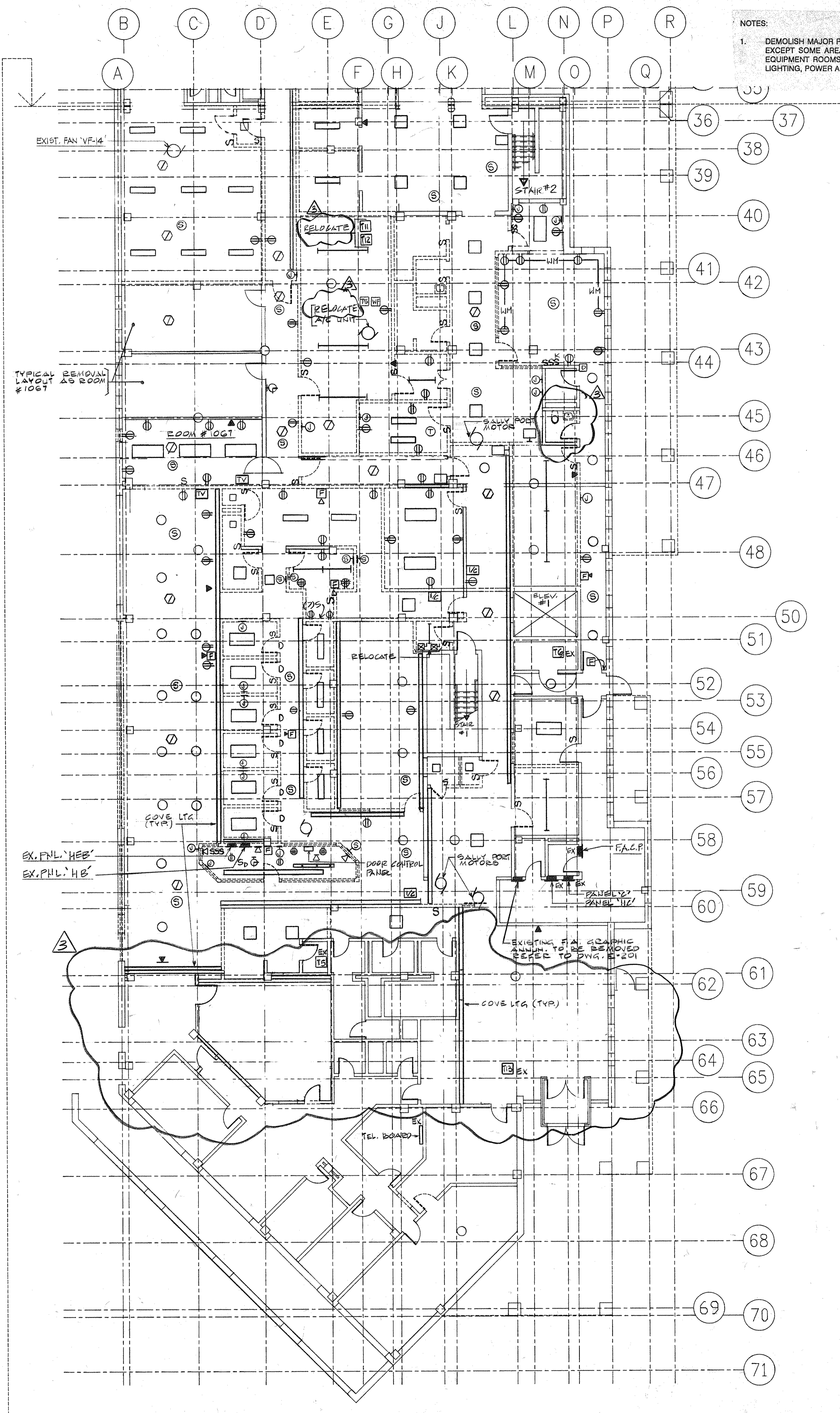
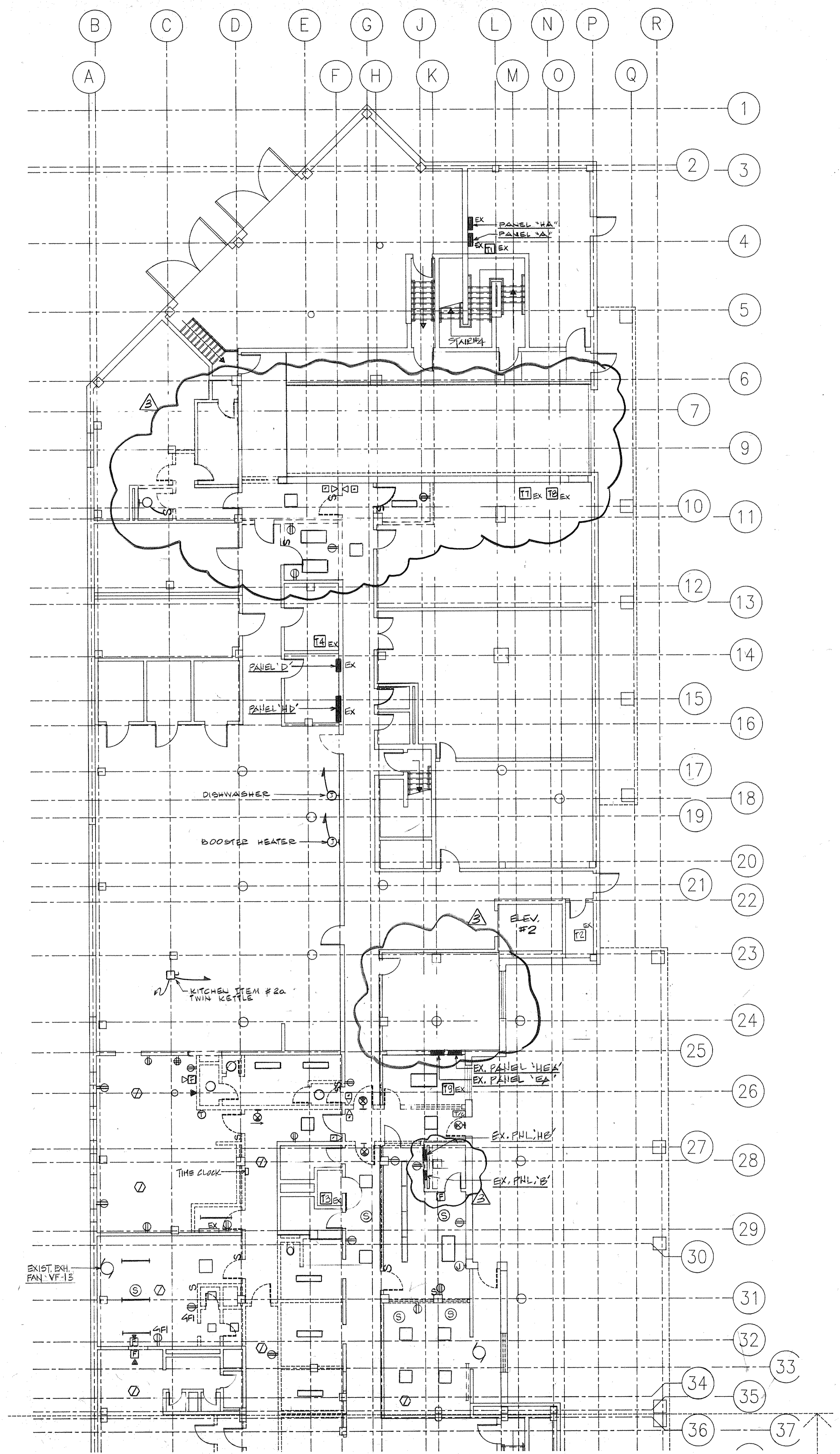
E204

CORRIDOR LIGHTING FIXTURE ORIENTATION SHALL BE AS PER ARCHITECTURAL REFLECTED CEILING PLAN (TYPICAL)

- NOTES:**
- ALL 2'X4' FLUORESCENT FIXTURES SHALL BE TYPE 'L' U.O.N., FOR ALL FLOORS.
 - ALL 1'X1' FLUORESCENT FIXTURES SHALL BE TYPE 'B' U.O.N., FOR ALL FLOORS.
 - ALL 1'X4' FLUORESCENT FIXTURES SHALL BE TYPE 'N' U.O.N., FOR ALL FLOORS.
 - ALL WALL MOUNTED MIRROR VANITY LIGHT FIXTURES SHALL BE TYPE 'W' AND SHOWN AS PART OF VANITY U.O.N. TYPICAL FOR EXISTING ONE AND NEW BUILDING.
 - PROVIDE NEW LIGHTING AS SHOWN FOR ALL FLOORS. EXISTING LIGHTING SHALL REMAIN IN AREAS WHERE LIGHTING FIXTURES ARE NOT SHOWN. HOWEVER, CONTRACTOR SHALL REWIRE THESE FIXTURES AS REQUIRED ALONG WITH THE NEW FIXTURES IN THE VICINITY, DUE TO DEMOLITION WORK. MAINTAIN THE EXISTING SWITCHING ARRANGEMENT.
 - PROVIDE NEW EXTERIOR USE TYPE RECESSED LIGHTING FIXTURE 10" X 10" EXISTING AND CONNECT TO EXISTING CIRCUIT. LIGHTTRON CAT. #130-70HPS-BL WITH 70W HPS LUZOD LAMP OR CAPRI CAT. #185201. CONNECT TO SAME LIGHTING CONTROL SCHEME AS PRESENT.
 - MAINTAIN ALL EXISTING WORK NOT AFFECTED BY DEMOLITION WORK.
 - ALL EXIT SIGN FIXTURES AND ALL EMERGENCY CORRIDOR LIGHTING FIXTURES ON FIRST FLOOR SHALL BE CIRCUITED TO EXISTING PANEL "HEA" - CIRCUIT #29. PROVIDE 20A-1P CIRCUIT BREAKER AT THE PANEL.
 - ALL EMERGENCY LIGHTING FIXTURES OF FIRST FLOOR SHALL BE CIRCUITED TO EXISTING PANEL "HEA" CIRCUIT #27. PROVIDE 20A-1P CIRCUIT BREAKER AT THE PANEL.
 - PROVIDE OVERRIDE TOGGLE SWITCH TO BYPASS THE TIME SWITCH AND PHOTOCELL CONTROLS OF ALL EXTERIOR MOUNTED LIGHTING FIXTURES AND PARKING LOT LIGHTING FIXTURES. PROVIDE ALL REQUIRED INTER-WIRING TO NEW BLDG. AS REQUIRED.



LEGEND



NOTES:
 1. DEMOLISH MAJOR PORTION OF THE FIRST FLOOR ELECTRICAL WORK AS NOTED EXCEPT SOME AREAS SUCH AS CONTROL ROOM, KITCHEN, STAIRS, LAUNDRY, EQUIPMENT ROOMS, AND PARTIAL ADMINISTRATION AREAS. REMOVE EXISTING LIGHTING, POWER AND LOW VOLTAGE SYSTEM U.O.N.

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 2 5/4/94 ELECTRICAL END ISSUE
 1 3-21-94 COST ESTIMATE ISSUE
 No. Date Revision

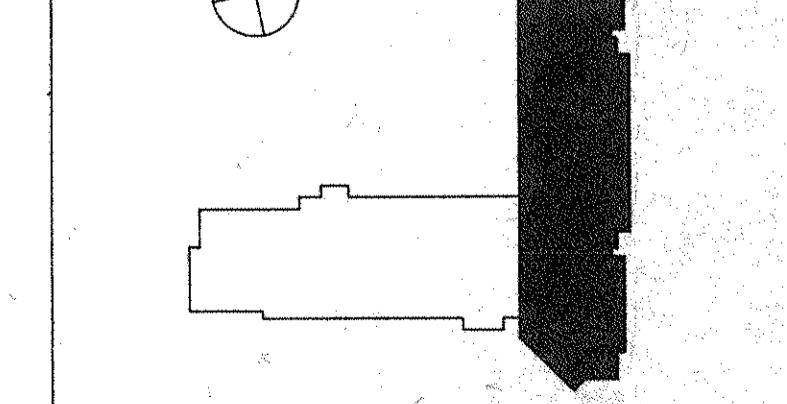
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Issue Date _____

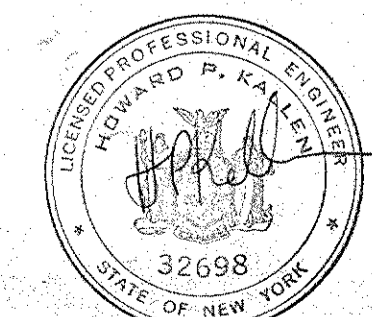
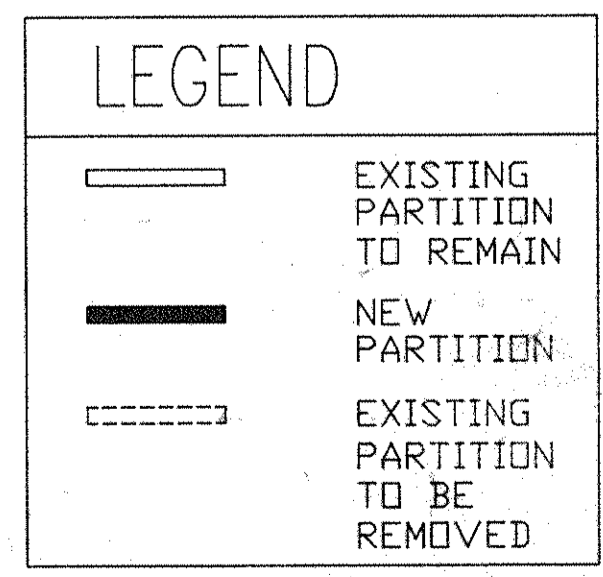
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Key Plan



Drawing Title

**EXISTING JAIL
 FIRST FLOOR
 DEMOLITION PLAN**



GS Project No. 01-1280
 RA Project # 99001.00
 Drawing No.

E205

- NOTE #1**
EQUIPMENT ON SOUTH WALL OF CONTROL ROOM
- INTERCOM CONTROL PANEL TO MAIN CONTROL ROOM
 - LOCK CONTROL PANEL AND ITS ASSOCIATED TRANSFORMER
 - WATCH TOUR SYSTEM CONTROL PANEL

- NOTE #2**
EQUIPMENT ON NORTH WALL OF CONTROL ROOM
- FIRE ALARM CONTROL PANEL (FACP)
 - FIRE ALARM REMOTE ANNUNCIATOR (FASO)

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No.	Date	Revision
4	9/12/94	GENERAL REVISIONS
3	8/9/94	GENERAL REVISIONS
2	5/4/94	ELECTRICAL BID ISSUE
1	2-21-94	COST ESTIMATE ISSUE

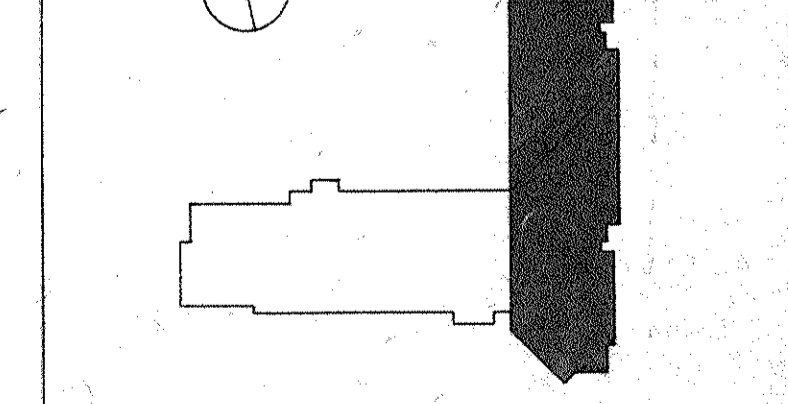
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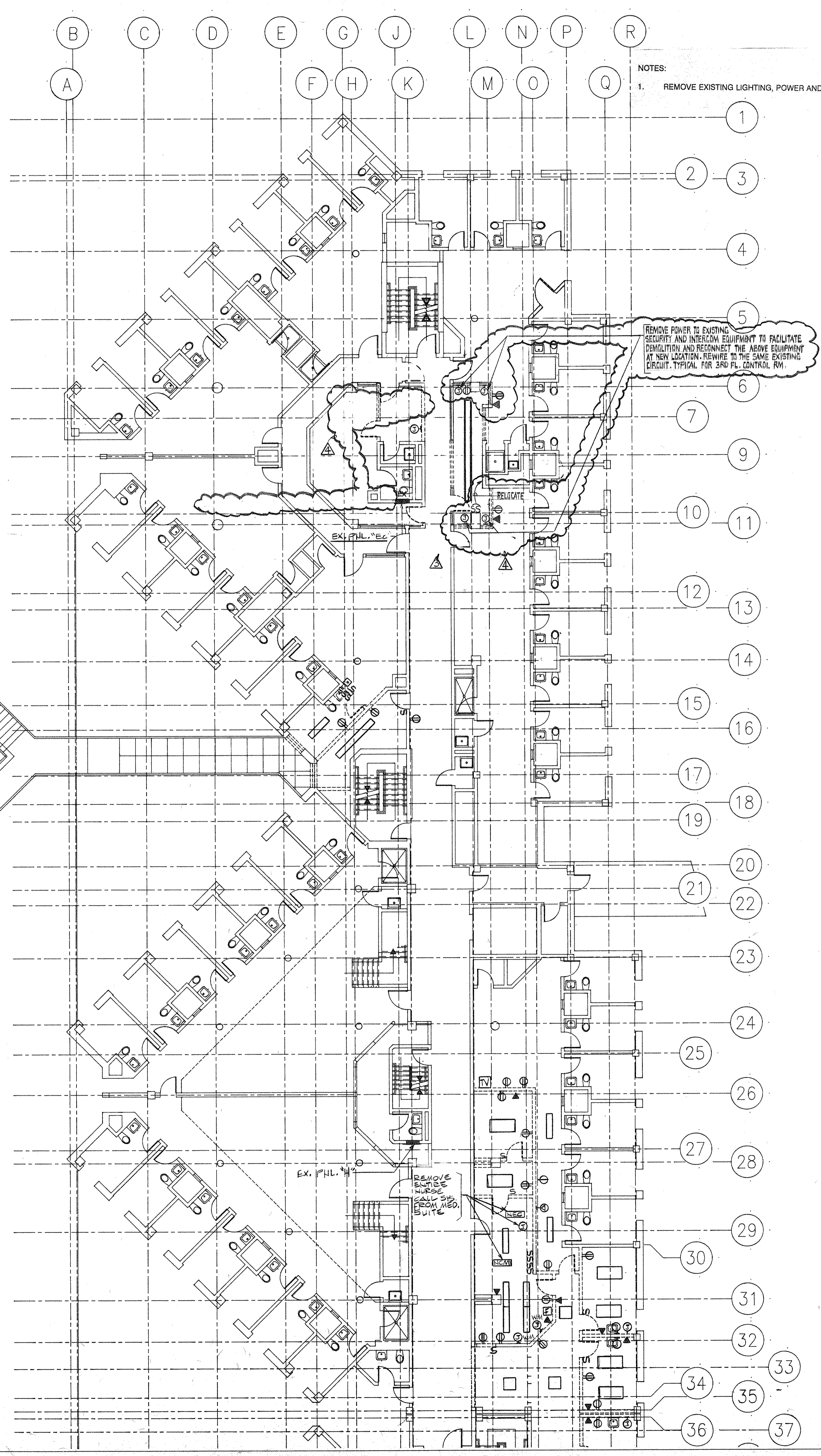
Key Plan



Drawing Title
**EXISTING JAIL
 SECOND FLOOR
 DEMOLITION PLAN**

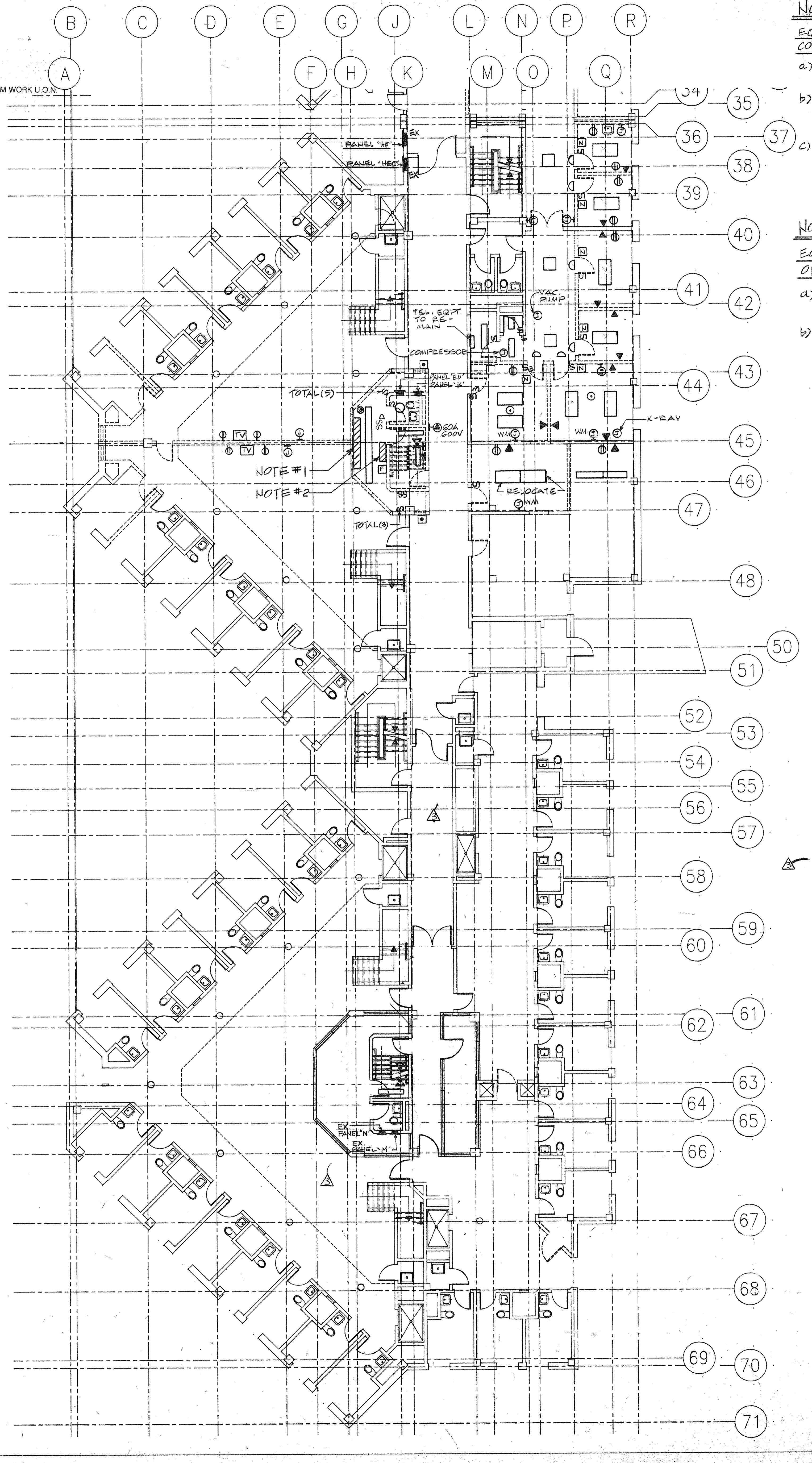
CS Project No. 91-1286
 RA Project # 99301.00
 Drawing No.

E206



NOTES:

- REMOVE EXISTING LIGHTING, POWER AND LOW VOLTAGE SYSTEM WORK U.O.N.



LEGEND

- EXISTING PARTITION TO REMAIN
- NEW PARTITION
- EXISTING PARTITION TO BE REMOVED



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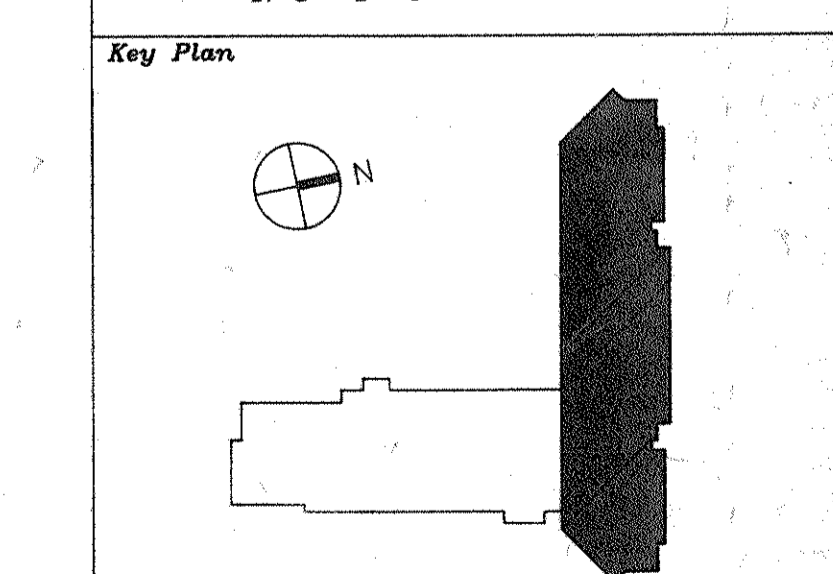
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3	3/3/94	GENERAL REVISIONS
2	5/4/94	ELECTRICAL BID ISSUE
1	2-21-94	COST ESTIMATE ISSUE

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Scale	1/8"=1'-0"



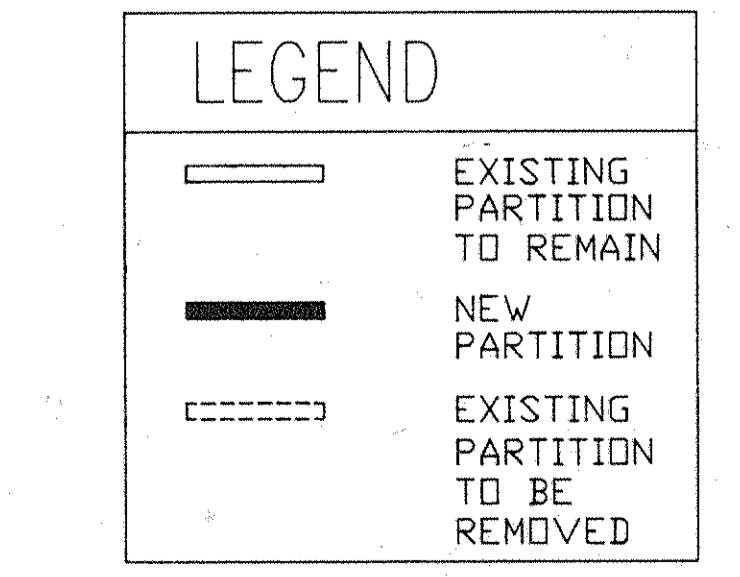
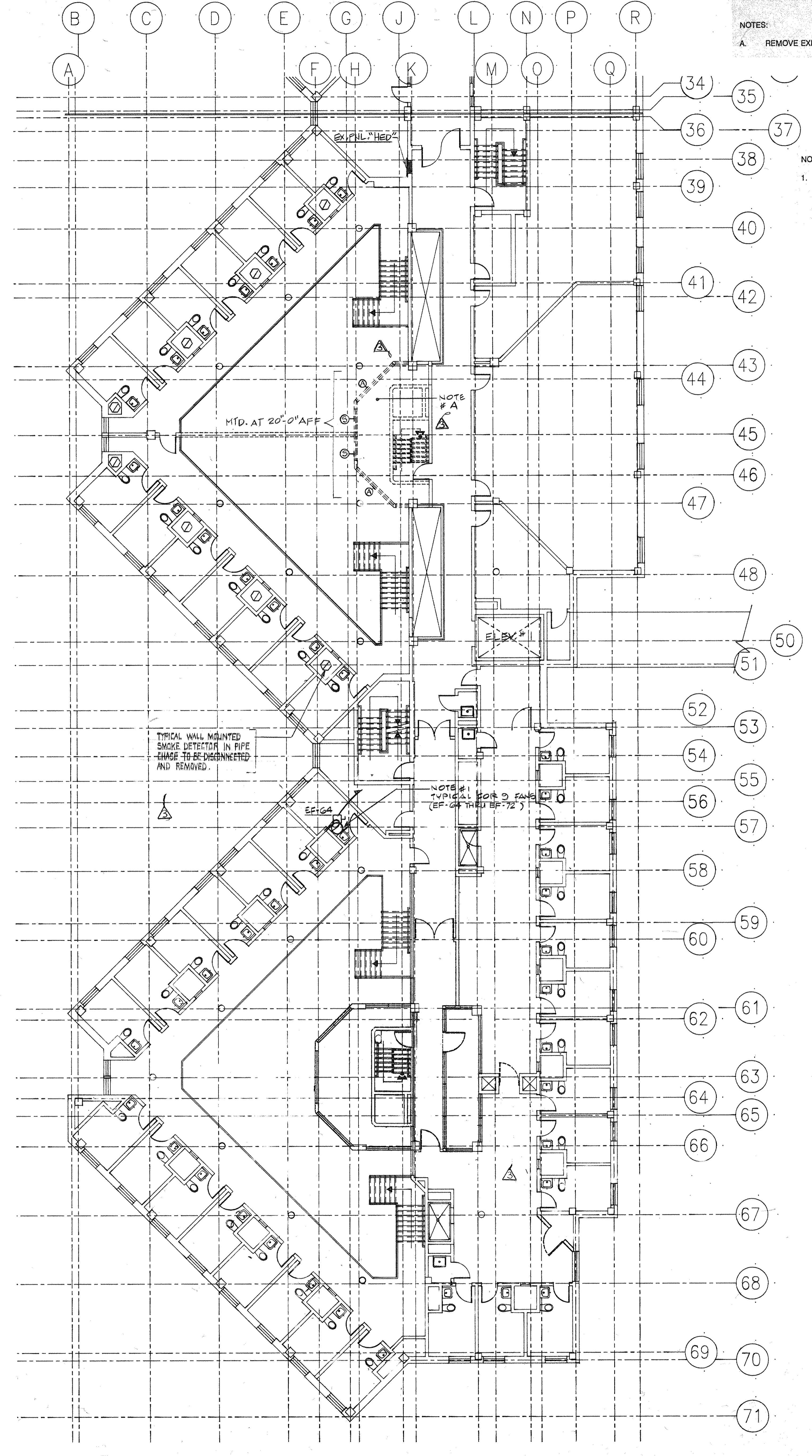
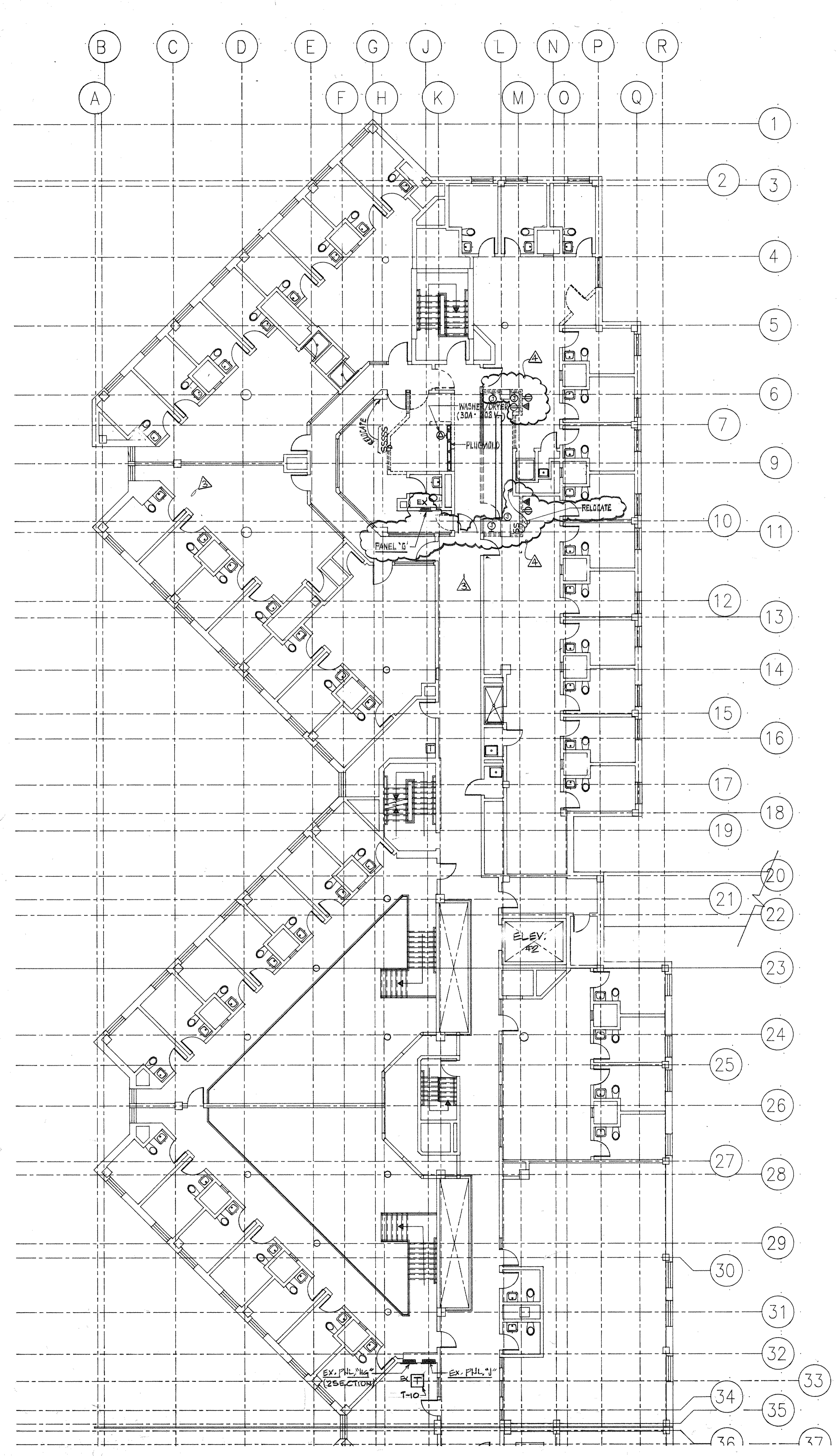
Drawing Title
**EXISTING JAIL
 THIRD FLOOR
 DEMOLITION PLAN**

NOTES:
 A. REMOVE EXISTING LIGHTING, POWER AND LOW VOLTAGE SYSTEM WORK U.O.N.

NOTES
 1. REMOVE EXISTING ROOF MOUNTED EXHAUST FANS NOS. EF-64 THRU EF-72 (TOTAL, 9) AND ASSOCIATED DISCONNECT SWITCHES, STARTERS, WIRING, ETC. REMOVE BRANCH CIRCUIT WIRING TO PANEL "N" NO. 35 LOCATED ON SECOND FLOOR CONTROL ROOM.

TYPICAL WALL MOUNTED SMOKE DETECTOR IN PIPE CHASE TO BE DISCONNECTED AND REMOVED.

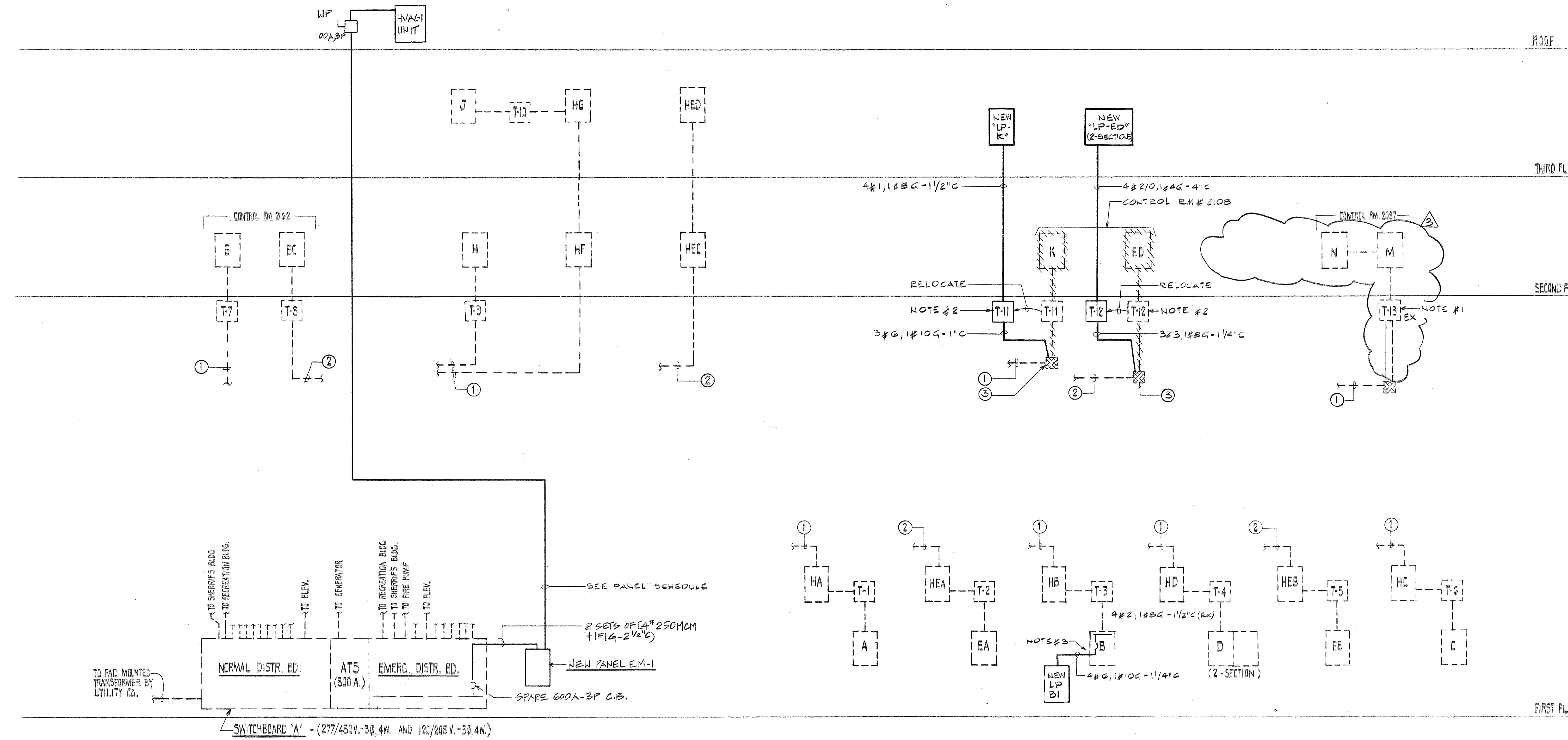
NOTE: TYPICAL WORK FAN (EF-64 THRU EF-72)



LEGEND:

- NEW WORK
- - - EXISTING TO REMAIN
- ~~~~~ EXISTING TO BE REMOVED

- ① TO NORMAL DISTRIBUTION BOARD
- ② TO EMERGENCY DISTRIBUTION BOARD
- ③ EXISTING PULLBOX AT CORR. #1023 NEAR KITCHEN



NOTES

1. THE EXISTING 45 KVA TRANSFORMER #T-13 LOCATED AT FIRST FLOOR MAIN LOBBY #1108 SHALL REMAIN. FURNISH ACCESS DOOR FOR T-13.
2. THE EXISTING TRANSFORMERS T-11 30 KVA AND T-12 45 KVA, LOCATED ON PLATFORM AT 1ST FLOOR INMATE PROPERTY STORAGE #1065, SHALL BE RELOCATED SOUTHERLY IN NEW MEN'S LOCKER RM. #110. TRAPEZE MOUNT AND SUPPORT FROM SLAB. COORDINATE RELOCATION WITH OTHER TRADES.

A. EXTEND WITH NEW PRIMARY FEEDER FROM NEAREST PULL BOX TO NEW LOCATION OF T-12. PROVIDE NEW SECONDARY FEEDER FROM RELOCATED T-12 TO NEW PANEL 'ED'.

B. EXTEND WITH NEW PRIMARY FEEDER FROM NEAREST PULL BOX TO NEW LOCATION OF T-11. PROVIDE NEW SECONDARY FEEDER FROM RELOCATED T-11 TO NEW PANEL 'K'.

3. PROVIDE NEW PANEL 'LB-B1' AT TOILET AT NEW CONTROL TOWER. REMOVE EXISTING THREE 20A-1P C.B. AND PROVIDE 50-3P C.B. TO FEED THIS NEW PANEL.

EXISTING BLDG. - LIGHT & POWER RISER DIAGRAM
 N.T.S.

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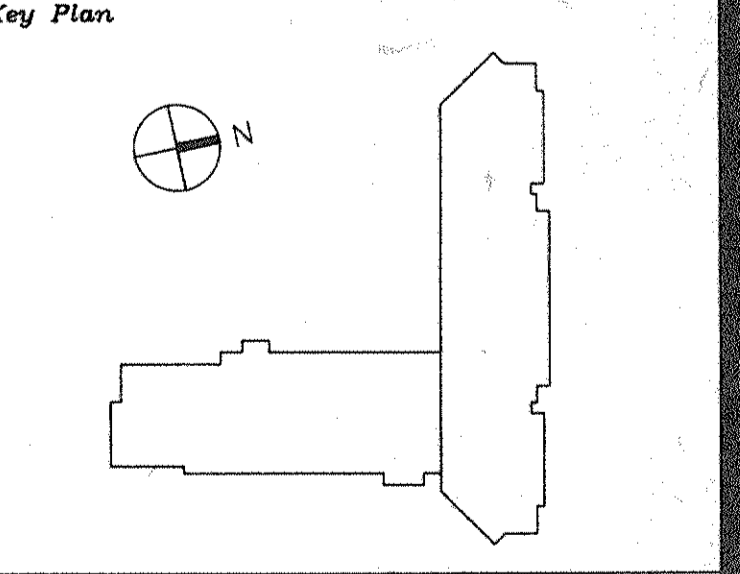
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2	5/4/94	ELECTRICAL BID ISSUE
1	3/21/94	COST ESTIMATE ISSUE

No.	Date	Revision



Drawing Title
**EXISTING JAIL
 LIGHT & POWER
 RISER DIAGRAMS**

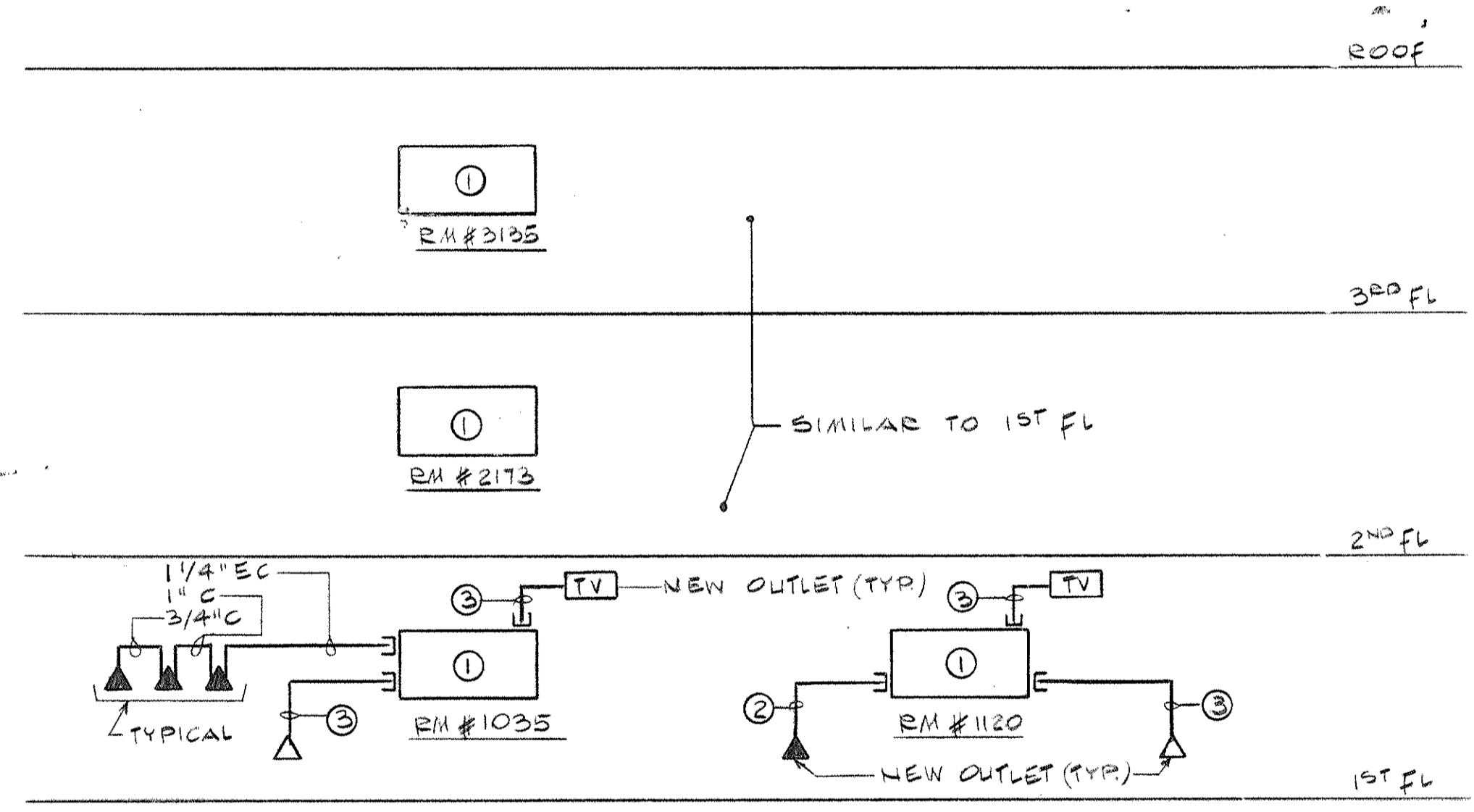


GS Project No. 91-1286
 RA Project # 9901.00
 Drawing No.

POWER PANEL SCHEDULE										MOUNTING: SURFACE, U.O.N.
PANEL DESIGN	CKT NO.	FRAME	TRIP	POLES	SERVICE TO	HP/KW	AMPS	FEEDER SIZE	REMARKS	
MAIN BUS: 600A S.C. RATINGS: 30,000A VOLTAGE: 277/480V, 3Φ 4W/5W	1	200	125	3	HVAC-1 - ROOF		65	3#11#6G-1 1/2"	COMPRESSORS AND CONDENSER TO BE LOCKED OUT DURING POLE FAILURE (ONLY SUPPLY AND EXHAUST FAN ON EMERGENCY POWER)	
	2	100	100		SPARE					
	3	60	60							
	4	30	30							
	5	100			SPACE # BUS					
	6	100								
	7	60								
	8	60								
	9	100	20	1	SPARES (TOTAL 10)					
	10	100		1	SPACE # BUS (TOTAL 3)					

DELETE

LIGHTING PANEL SUMMARY SCHEDULE															MOUNTING: SURFACE, U.O.N.			
PANEL DESIGN.	LOCATION	MAIN LUGS AMPS	MAIN C.B. AMPS	TOTAL NO. OF POLES	BRANCH CIRCUIT										REMARKS			
					1P-15A		1P-20A		1P		2P		3P			SPACE & BUSS		
					ACTIVE	SPARE	ACTIVE	SPARE	30A	40A	50A	15A	20A	30A			50A	20A
NEW "LP-M" (2-SECTIONS)	2ND FLOOR STORAGE #2167 SURFACE MTD	225	150 3P	60			14*	22	10								10	FED FROM TRANSFORMER T13-45KVA * - EXISTING CIRCUITS TO BE TRANSFERRED (B)-20A-1P FOR NEW (B) EXH. FANS ON ROOF
NEW "LP-K"	3RD FLOOR NEW TOILET WALL #3134 RECESSED MTD	100	100 3P	42			10*	10	6	2*							12	FED FROM TRANSFORMER T11-30KVA * - EXISTING CIRCUITS TO BE TRANSFERRED
NEW "LP-ED" (2-SECTIONS)		225	150 3P (EACH SECTION)	60			30*	10	11								9	FED FROM TRANSFORMER T12-45KVA * - EXISTING CIRCUITS TO BE TRANSFERRED
NEW "LP-B1"	CONTROL TOWER TOILET	100	50 3P	24			6	4			1		2	1 (CP)			5	



TELEPHONE / TV / DATA RISER DIAGRAM
EXISTING JAIL
N.T.S.

- NOTES:
- EXISTING TELEPHONE BACKBOARD AT EXISTING TEL. ROOM.
 - 3/4" E.C. FROM EACH OUTLET TO TERMINATE IN TEL. ROOM (TYPICAL).
 - 1" E.C. FROM EACH OUTLET TO TERMINATE IN TEL. ROOM (TYPICAL).
 - FOR QUANTITY OF EACH OUTLET REFER TO FLOOR PLANS.

LAUNDRY AND KITCHEN EQUIPMENT SCHEDULE									
ITEM NO.	EQUIPMENT	LOAD KVA	VOLTS PHASE	EXIST. PNL AND CBT. NO.	DISTRIBUTION			LOCAL UNF DISCONNECT SWITCH	REMARKS
					FEEDER	C.B.			
1	CONV. OVEN	2.36	120-1φ	10"-58	2#10+1#10G-3/4"	40A-1P	30A-1P		PROVIDE NEW BREAKERS IN EXISTING SPACES
2	CONV. STEAMER	0.5	120-1φ	10"-60	2#12+1#12G-3/4"	15A-1P	30A-1P		
3a	DISHWASHER	45.0	480-3φ	10"-32,34,36	4#3+1#6G-1 1/4"	125A-3P	100A-3P		
3b	BOOSTER	60.0	480-3φ	10"-38A0A2	4#2+1#6G-1 1/4"	150A-3P	100A-3P		
4	DEYER	2.4	208-3φ	10"-38A0A2	4#12+1#12G-3/4"	20A-3P	30A-3P		
5	WASHER	4.4	208-3φ	10"-37,39,41	4#10+1#10G-1"	30A-3P	30A-3P		
2a	EXISTING TWIN KETTLE	24.0	480-3φ	10"-37,39,41	2#8+1#10G-3/4"	30A-3P	30A-3P		REMOVE EXISTING WORK
6	ICE MACHINE (TOTAL 5)	0.87	120-1φ	SEE FL. PLANS	2#12+1#12G-3/4"	20A-1P	30A-1P		LOCATION: (3) NEW BLDG, (2) EX-JAIL
7	CAN WASHER (AT RM #124)	-	-	-	-	-	-		NON-ELECTRIC
8	CAN & BOTTLE CRUSHER (AT RM #124)	2.0	208-3φ	10"-52,54,56	4#12+1#12G-3/4"	15A-3P	30A-3P		NOTE # 6

- NOTES:
- PROVIDE ALTERNATE FOR ALL WORK RELATED TO NEW DISHWASHER AND BOOSTER, INCLUDING DEMOLITION AND NEW WORK.
 - ALL WORK SHALL BE NEW.
 - PROVIDE LOCAL UNFUSED DISCONNECT SWITCH AT EACH EQUIPMENT. COORDINATE WITH OTHER TRADES.
 - ALL EQUIPMENT SHALL HAVE HARD CONNECTION, U.O.N. PROVIDE FINAL CONNECTIONS TO EQUIPMENT AS PER SHOP DRAWINGS.
 - FOR EQUIPMENT LOCATION, REFER TO RESPECTIVE FLOOR PLANS. KITCHEN EQUIPMENT ARE IN KITCHEN #122, LAUNDRY EQUIPMENT IN LAUNDRY ROOM #127 U.O.N.
 - FOR ITEM #8 - CRUSHER, REMOVE EXISTING (3) SPARE 20A-1P C.B. AND REPLACE WITH NEW ONE 15A-3P C.B. AT PANEL 'D'.
 - FOR EXACT DETAILS SUCH AS MOUNTING HEIGHT, ELEVATIONS, ROUGH-INS, LOCATIONS, REFER TO FOOD SERVICE CONTRACT DOCUMENTS.
 - REMOVE ALL EXISTING WORK RELATED TO DISHWASHER (PANEL HD-7 & 11) AND BOOSTER HEATER (PANEL HD-8, 10, 12) TO FACILITATE INSTALLATION OF NEW DISHWASHER AND BOOSTER HEATER - ALTERNATE WORK.

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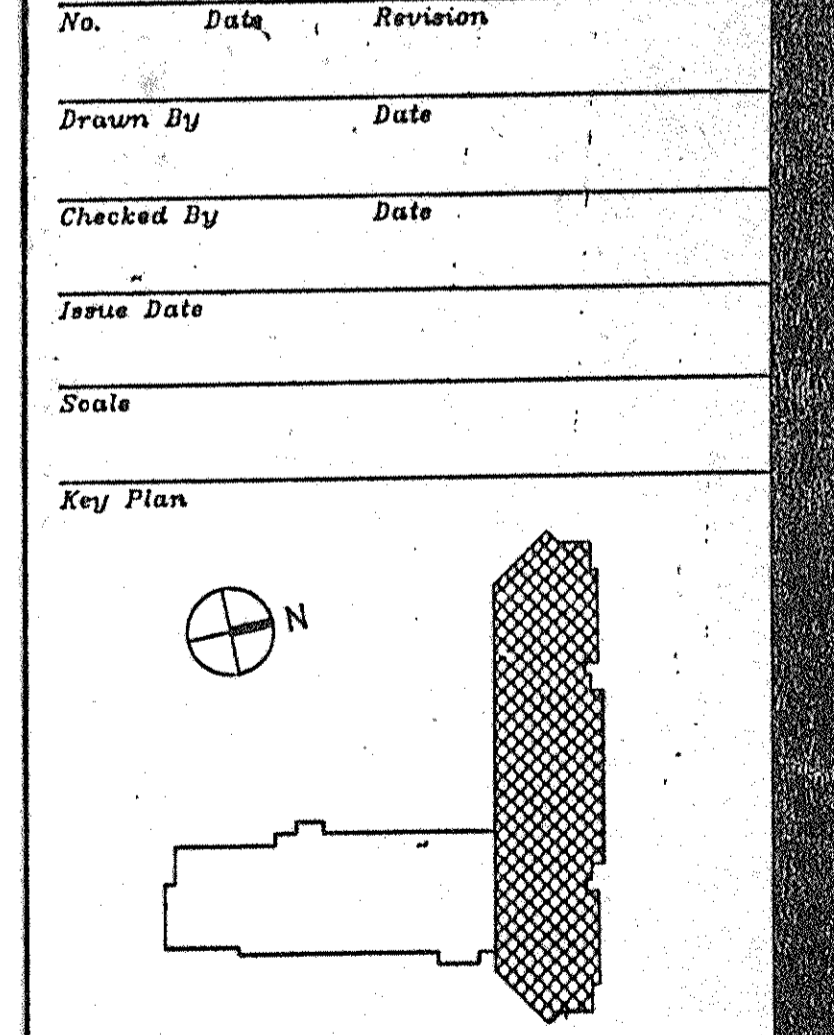
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- 3 9/15/94 GENERAL REVISIONS.
2 5/4/94 ELECTRICAL BID ISSUE
1 3/21/94 COST ESTIMATE ISSUE



EXISTING JAIL
PANEL SCHEDULE
Drawing Title
E212
Project No. 91-1288
24 Project # 9801.00
Drawing No.



LIGHTING FIXTURE SCHEDULE

LIGHTING FIXTURE SCHEDULE				LIGHTING FIXTURE SCHEDULE			
TYPE	DESCRIPTION	LAMP(S)	MANUFACTURER(S)	TYPE	DESCRIPTION	LAMP(S)	MANUFACTURER(S)
A	4-FOOT, 2-LAMP, FLUORESCENT FIXTURE CORNER MOUNTED WITH 3/16" NOMINAL THICKNESS TEMPERED CRYSTAL GLASS OUTSIDE AND 3/16" THICK PLEXIGLASS INSIDE SHIELDING. 1/2" GA. CRS DIE-FORMED HOUSING AND 20 GA. CRS DIE FORMED REFLECTOR; EXTRUDED ALUMINUM ON (4) SIDES WITH CONTINUOUS VINYL GASKET; SECURED BY TAMPERPROOF TORX HEAD SCREWS AND CONTINUOUS PIANO HINGES. FINISH SHALL BE BAKED WHITE ENAMEL. INTEGRAL COMPACT FLUORESCENT LAMP FOR NIGHT LIGHTING. RAPID START ELECTRONIC BALLAST, 120V.	(2) F32T8 (1) PL 9	1. MARK LIGHTING #CP4-MPC-240 2. LIGHTRON 3. FAILSAFE	P	1' X 4' 2-LAMP INDUSTRIAL TYPE FLUORESCENT FIXTURE, SURFACE MOUNTED EMBOSSED REFLECTOR FOR RIGIDITY. RAPID START ELECTRONIC BALLAST, 277V.	2F32T8	1. KLP TF SERIES 2. LEGION 3. NATIONAL
A1	SAME AS TYPE 'A' EXCEPT WITH INTEGRAL BATTERY BACK-UP FOR EMERGENCY LIGHTING; WITHOUT NIGHT LIGHT; 277V ELECTRONIC BALLAST.	(2) F32T8		Q	7 1/2" X 4' 2-LAMP FLUORESCENT FIXTURE SURFACE MOUNTED WITH ONE-PIECE FIBERGLASS REINFORCED POLYESTER HOUSING, SMOOTH VIRGIN ACRYLIC LENS LOADED CLOSED-CELL NEOPRENE GASKET. UL LISTED FOR DAMP/WET LOCATIONS. RAPID START ELECTRONIC BALLAST, 277V.	2F32T8	1. KLP 'SEALATRON' 2. LEGION 3. NATIONAL
A2	SAME AS 'A' EXCEPT WITHOUT NIGHT LIGHT - 277V ELECTRONIC BALLAST			R	15 1/2" SQUARE METAL HALIDE FIXTURE RECESSED MOUNTED, EXTRUDED ALUMINUM HOUSING, SILICONE SEALED GASKETED, PIANO HINGED POSITIVE LOCK-GASKETED, PRISMATIC TEMPERED GLASS LENS, SPECULAR ALUMINUM REFLECTOR. -277V	175MH	1. FAILSAFE #HDR-175M-277-93-ALP (MODIFIED) 2. BENJAMIN THOMAS 3. HOLOPHANE
B	1' X 1' FLUORESCENT FIXTURE, RECESSED CEILING MOUNTED WITH .187" THICK TEMPERED GLASS AND .250" THICK CLEAR ACRYLIC OVERLAY SHIELDING, NEOPRENE GASKET ON ALL SIDES. 14 GA. CRS HOUSING, 18 GA. CRS FRAME DOOR WITH INVISIBLE 16 GA. PIANO HINGES. TAMPER PROOF TORX HEAD SCREWS. BAKED WHITE POLYESTER POWDER COAT PAINT FINISH. 277V, ELECTRONIC BALLAST.	(2) PL-13	1. LIGHTRON SERIES 129 2. MARK LIGHTING 3. FAILSAFE	S	WALL MOUNTED WALL PACK METAL HALIDE FIXTURE, DIE-CAST ALUMINUM BACKPLATE, HEAT AND SHOCK RESISTANT BOROSILICATE GLASS REFLECTOR PERMANENTLY BONDED TO DIE-CAST LENS FRAME WITH LIQUID SILICON RUBBER. SPECULAR ANODIZED ALUMINUM REFLECTOR. UL LISTED FOR WET LOCATION, CLEAR 'LEXAN' SHIELD AND TAMPER PROOF SPECIAL SCREWS, WHITE POLYESTER POWDER FINISH, 277V.	250W MH	1. WIDELITE #WP 250 MA 2. BENJAMIN THOMAS 3. HOLOPHANE
B1	SAME AS B EXCEPT WITH INTEGRAL BATTERY BACK-UP.			T	SAME AS 'S' EXCEPT WITH 175W METAL HALIDE LAMPS.	175W MH	1. WIDELITE #WPM 175 MA 2. BENJAMIN THOMAS 3. HOLOPHANE
C	1 X 4, 2 LAMP, FLUORESCENT FIXTURE, RECESSED CEILING MOUNTED WITH .187" THICK TEMPERED GLASS AND .250" THICK CLEAR ACRYLIC OVERLAY. NEOPRENE GASKET ON ALL SIDES; 16 GA. CRS HOUSING AND FRAME DOOR, INVISIBLE 16 GA. PIANO HINGE; (8) TAMPERPROOF TORX HEAD SCREWS, BAKED WHITE POLYESTER POWDER COAT PAINT; RAPID START ELECTRONIC BALLAST 277V.	(2) F32T8	1. MARK LIGHTING #CP4-MDR-14-240 2. LIGHTRON 3. FAILSAFE	U	NOT USED		
C1	SAME AS 'C' EXCEPT WITH INTEGRAL BATTERY BACK-UP.	(2) F32T8		V	7 1/2" DIA. OPEN REFLECTOR COMPACT FLUORESCENT FIXTURE, RECESSED CEILING MOUNTED, SPECIALLY CONTOURED SEMI-SPECULAR TOP AND DEEP SPECULAR CONE; THERMALLY PROTECTED HIGH POWER FACTOR BALLAST, 277V.	(2) PL13	1. LIGHTOLIER #8055 CL 2. LITHONIA 3. PRESCOLITE
D	SAME AS 'C' EXCEPT WITH 3 LAMPS.	(3) F32T8	1. MARK LIGHTING #CP4-MDR-14-340 2. LIGHTRON 3. FAILSAFE	V1	SAME AS 'V' EXCEPT WITH BATTERY BACK-UP. -120V, 15" LENS	(2) PL13	SEE SECTION #10810
D1	SAME AS 'D' EXCEPT WITH INTEGRAL BATTERY BACK-UP.	(3) F32T8		W	TOILET LIGHTING FIXTURE - FURNISHED WITH VANITY.		
F	2 X 4, 4-LAMP FLUORESCENT FIXTURE, RECESSED CEILING MOUNTED WITH .187" THICK TEMPERED GLASS OUTSIDE SHIELDING AND .25" THICK CLEAR ACRYLIC OVERLAY; NEOPRENE GASKET ON ALL SIDES; 16 GA. CRS HOUSING, WELDED SEAMS AND GROUND SMOOTH DOOR FRAME, 16 GA. CRS CONTINUOUS PIANO WITH (4) TORX HEAD SCREWS (OPPOSITE TO HINGE). POWDER COATED BAKED WHITE ACRYLIC ENAMEL AFTER PHOSPHATE TREATMENT FINISH; RAPID START ELECTRONIC BALLAST, 277V.	(4) F32T8	1. MARK LIGHTING #CP4-MDR-24-440 2. LIGHTRON 3. FAILSAFE	X	CEILING MOUNTED EXIT SIGN, 14 GA. CRS HOUSING, AND DOOR FRAME; 1/4" THICK CLEAR POLYCARBONATE SIGN PANEL WITH 6" HIGH AND 1/4" STROKE. RED LETTERS ON WHITE BACKGROUND, DOUBLE FACED; DOWNLIGHT LENS 1/2" THICK CLEAR PRISMATIC POLYCARBONATE SECURED IN PLACE WITH POSITIVE CLAMP ACTION. -277V	(2) PL7	1. MARK LIGHTING #CP-XT-CS-2F-P7 2. FAILSAFE 3. ALCKO
F1	SAME AS 'F' EXCEPT WITH INTEGRAL BATTERY BACK-UP.			X1	SAME AS 'X' EXCEPT WALL MOUNTED, SINGLE FACED.	(2) PL7	
G	2 LAMP, 4' PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE WITH PARABOLIC LOUVER. 277V - ELECTRONIC BALLASTS.	2F32T8	LIGHTOLIER CAT. NO. CD7-3342	X2	SAME AS 'X' EXCEPT STEM MOUNTED.	(2) PL7	
H	1 X 4 3-LAMP FLUORESCENT FIXTURE, SURFACE MOUNTED 1/2" GA. CRS DIE FORMED WELDED SEAM HOUSING, GROUND SMOOTH DOOR FRAME, 16 GA. CRS DIE FORMED MITERED AND GASKETED BALLAST COVER, .187" THICK TEMPERED GLASS WITH .250" THICK CLEAR ACRYLIC OVERLAY SHIELDING WITH NEOPRENE GASKET ON ALL SIDES; 16 GA. CRS CONTINUOUS PIANO HINGE WITH (4) TORX HEAD SCREWS (OPPOSITE TO HINGE). FINISH SHALL BE POWDER COATED BAKED WHITE ACRYLIC ENAMEL AFTER PHOSPHATE TREATMENT. ELECTRONIC BALLAST, 277V.	(3) F32T8	1. MARK LIGHTING #CP4-MDS-24-340 2. LIGHTRON 3. FAILSAFE	X3	SAME AS 'X' EXCEPT END MOUNTED.	(2) PL7	
H1	SAME AS 'H' EXCEPT WITH INTEGRAL BATTERY BACK-UP.			X4	SAME AS 'X' EXCEPT SINGLE FACED.	(2) PL7	
J	SINGLE LAMP, 4' PENDANT MOUNTED FLUORESCENT LIGHT FIXTURE WITH ACRYLIC CLEAR LINEAR PRISMATIC LENS. 277V - ELECTRONIC BALLASTS.	1 F32T8	LIGHTOLIER CAT. NO. CD8-2341	Y	1' X 4' 2 LAMP FLUORESCENT FIXTURE SURFACE MOUNTED, WITH WRAP-AROUND LENS. -277V	2F32T8	1. KLP #ANB240 2. LITHONIA 3. NATIONAL
K	23 1/2" SQUARE METAL HALIDE FIXTURE, RECESSED CEILING MOUNTED WITH .187" THICK TEMPERED GLASS SHIELDING WITH .250" THICK CLEAR ACRYLIC OVERLAY; 20 GA. STEEL HOUSING, VINYL GASKETING ALL AROUND; CONTINUOUS PIANO HINGE. HIGH POWER FACTOR BALLAST, 277V.	400W MH	1. LIGHTRON SERIES 18 (MODIFIED) 2. LITHONIA 3. HOLOPHANE 4. MARK	Y1	SAME AS 'Y' EXCEPT WITH INTEGRAL BATT. BACK-UP		
K1	SAME AS 'K' EXCEPT WITH QUARTZ LAMP FOR INSTANT RESTRIKE.	400 MH, 250 WQ		Z	2' X 4' 3 LAMP FLUORESCENT FIXTURE SURFACE MOUNTED WITH WRAP-AROUND LENS. -277V	3F32T8	1. KLP #ANC340 2. LITHONIA 3. NATIONAL
L3	SAME AS 'L2' EXCEPT WITH INTEGRAL BATT. BACK-UP	(4) F32T8					
L2	SAME AS 'L' EXCEPT 4 LAMPS AND 32 CELLS	(4) F32T8					
L	2' X 4' 3-LAMP PARABOLIC FLUORESCENT FIXTURE RECESSED CEILING MOUNTED, 18 CELLS, 3/4" DEEP LOW IRIDESCENCE, SEMI-SPECULAR ALUMINUM LOUVER. RAPID START ELECTRONIC BALLAST, 277V.	(3) F32T8	1. LIGHTOLIER #PLA2G18LP340 2. LITHONIA 3. NATIONAL				
L1	SAME AS 'L' EXCEPT WITH INTEGRAL BATT. BACK-UP	(4) F32T8					
M	2' X 4' 3-LAMP PARABOLIC FLUORESCENT FIXTURE SURFACE MOUNTED 18 CELLS, 3" DEEP ALUMINUM PARABOLIC LOWER SPRING LOADED LATCHES, REVERSIBLE LOUVER HINGED. RAPID START ELECTRONIC BALLAST, 277V.	3F32T8	1. LIGHTOLIER #DPB2S18DS340 2. LITHONIA 3. NATIONAL				
N	1' X 4' 2-LAMP PARABOLIC FLUORESCENT FIXTURE RECESSED CEILING MOUNTED, 10 CELLS PREANODIZED ALUMINUM PARABOLIC LOUVER WITH POLYETHYLENE DUST GUARD. ELECTRONIC BALLAST, 277V.	2F32T8	1. LIGHTOLIER #PLA8G10LS140 2. LITHONIA 3. NATIONAL				
N1	SAME AS 'N' EXCEPT WITH INTEGRAL BATTERY BACK-UP.	2F32T8					

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2 5/4/94 ELECTRICAL BID ISSUE
1 3/21/94 COST ESTIMATE ISSUE

No. Date Revision

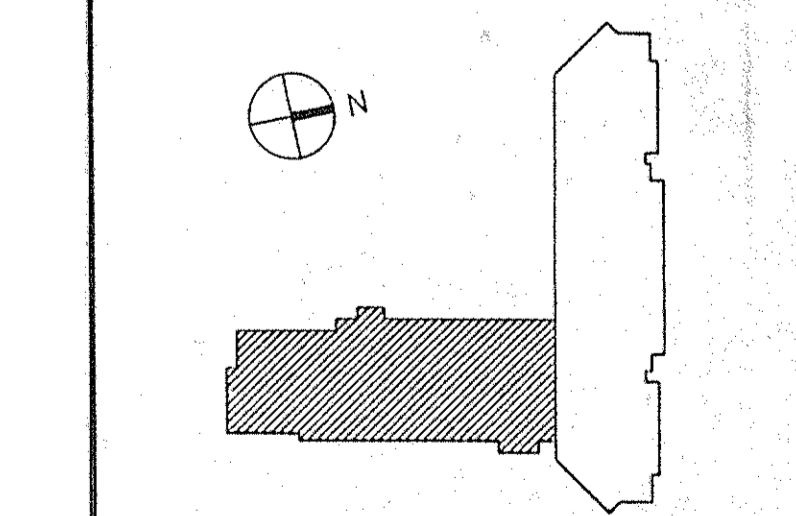
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Issue Date

Scale

Key Plan



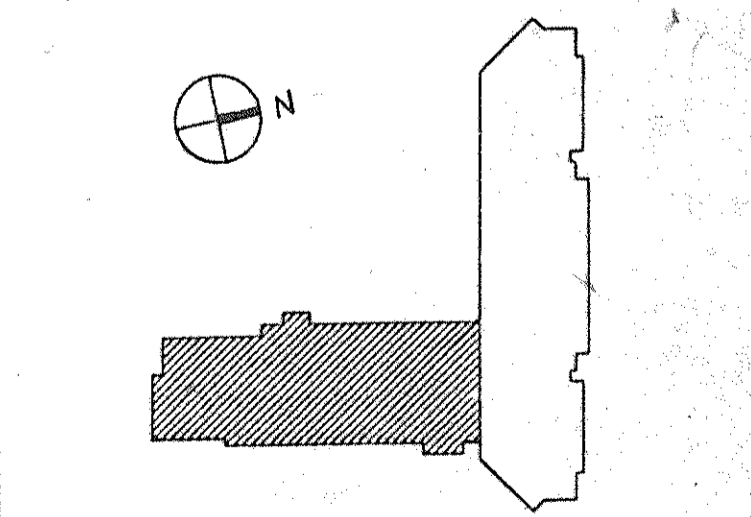
Drawing Title

LIGHTING FIXTURE SCHEDULE

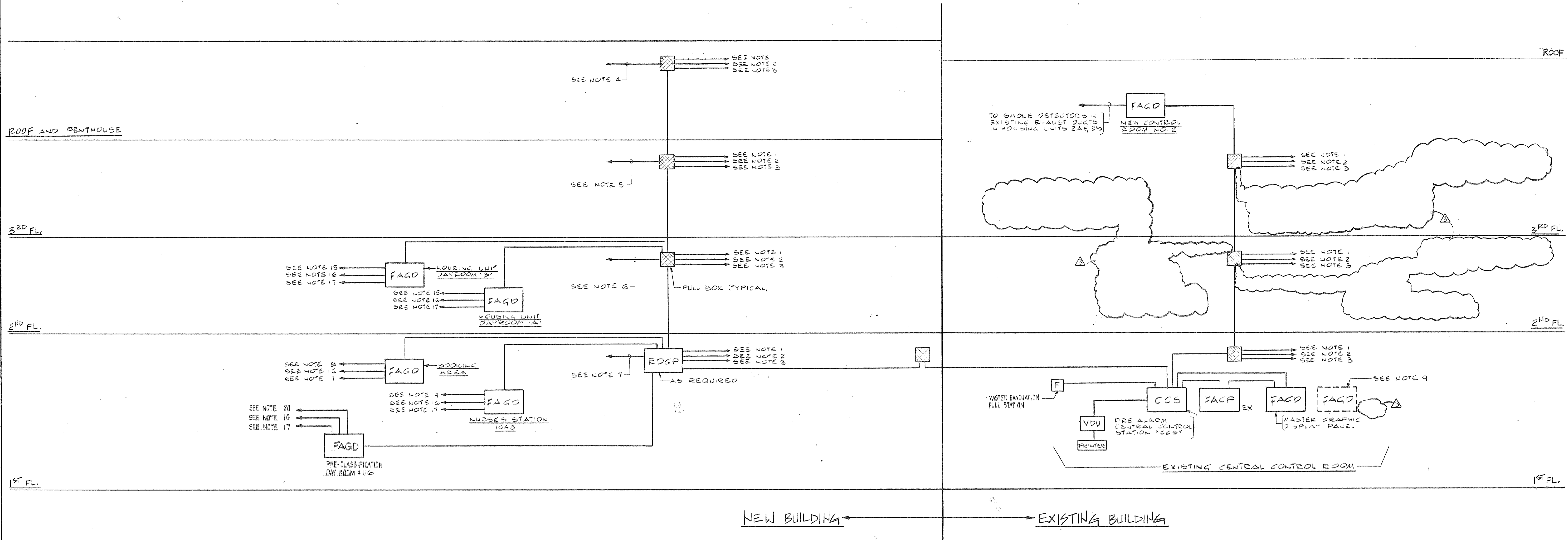


CS Project No. 91-1286
RA Project # 98901.00
Drawing No.

E301



Drawing Title
**NEW BUILDING AND
EXISTING JAIL
FA RISER DIAGRAM**



FIRE ALARM RISER DIAGRAM

SYMBOL LIST	
SYMBOL	DESCRIPTION
◊ X ◊ P	ADDRESSABLE DEVICES
◊	AUDIBLE/VISUAL DEVICE
P	VISUAL DEVICE
WF RS FS ST	MONITORING AND CONTROL DEVICES

- NOTES:
- TO ADDRESSABLE DEVICES.
 - TO AUDIBLE DEVICES.
 - TO VISUAL DEVICES.
 - TO MOTOR STARTERS, SMOKE HATCHES, WATER FLOW SWITCHES AND TAMPER SWITCHES.
 - TO MOTOR STARTERS, SMOKE HATCHES, WATER FLOW SWITCHES, TAMPER SWITCHES AND SECURITY DOOR CONTROL PANEL.
 - TO WATER FLOW SWITCHES, TAMPER SWITCHES AND FIRE DOOR SHUTTERS.
 - TO MOTOR STARTERS, WATER FLOW SWITCHES, TAMPER SWITCHES, FIRE DOOR SHUTTERS, FIRE PUMP, GENERATOR AND ELEVATOR CONTROL PANELS.
 - ALL CABLES SHALL BE INSTALLED IN RIGID GALVANIZED CONDUIT 3/4" MINIMUM UNLESS OTHERWISE NOTED.
 - EXISTING MASTER FIRE ALARM GRAPHIC DISPLAY PANEL TO BE REMOVED AND REPLACED WITH NEW MASTER GRAPHIC DISPLAY PANEL. NEW FIRE ALARM GRAPHIC DISPLAY PANEL SHALL INCORPORATE ALL EXISTING AND NEW JAIL AREAS AND ALARM ZONES ON THE NEW MASTER GRAPHIC PANEL. THE EXISTING AREAS SHALL INCORPORATE BOTH EXISTING ZONES TO REMAIN AND NEW ZONES.
- REFER TO SPECIFICATION.
- FOR LOCATION OF FIRE ALARM DEVICES AND RELATED SYSTEMS REFER TO FLOOR PLANS.
 - REFER TO FLOOR PLANS FOR LOCATION OF ALL HVAC STARTERS.
 - PROVIDE NUMBER AND TYPES OF CABLES AS PER EQUIPMENT MANUFACTURER REQUIREMENTS.
 - EXISTING JAIL - EXISTING FIRE ALARM ZONES DEVICES TO REMAIN SHALL CONTINUE TO FUNCTION BUT IF AFFECTED BY DEMOLITION WORK, SHALL BE RECONNECTED TO THE EXISTING FIRE ALARM PANEL AND ADJOINING EXISTING DEVICES. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.
 - FROM EACH STARTER FOR PURGE FANS EF-2, EF-4, R-5, R-6 PROVIDE 2 #14 IN 3/4" CONDUIT TO AUTOMATIC TEMPERATURE CONTROL PANEL.
 - TO HOUSING AREA SMOKE DETECTORS.
 - TO SUPPLY AND RETURN FAN DUCT SMOKE DETECTORS.
 - TO HOUSING UNIT WATER FLOW SWITCH.
 - TO BOOKING AREA SMOKE DETECTORS.
 - TO NURSE'S STATION AREA SMOKE DETECTORS.
 - TO PRE-CLASSIFICATION AREA SMOKE DETECTORS.
 - PROVIDE INTERFACING OF ALARM SOUND AND INTERFACING OF PRINTOUT, BETWEEN NEW FA SYSTEM AND EXISTING FA SYSTEM.



PLUMBING SYMBOLS AND ABBREVIATIONS

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2	4-28-99	PLB5 BID	ISSUE
1	3-21-99	COST ESTIMATE	ISSUE

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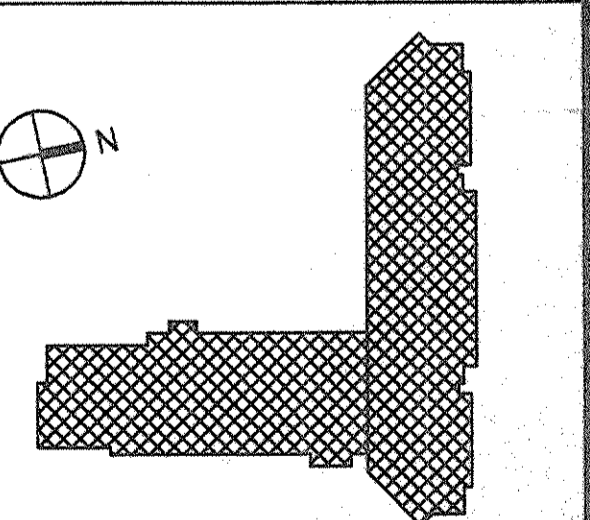
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Checked By M.E. Date

Issue Date

Scale NONE

Key Plan



Drawing Title

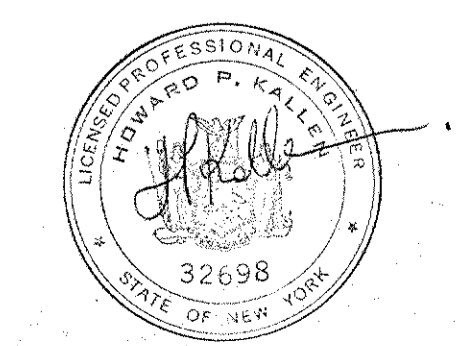
PLUMBING SYMBOLS AND ABBREVIATIONS

CS Project No. 91-1286
RA Project # 9801.00
Drawing No.

P 100

SYMBOLS	DESCRIPTION
—SAN—	SANITARY PIPING
—ST—	STORM WATER PIPING
—	UNDERGROUND DRAINAGE
—	VENT PIPING (V)
—	COLD WATER (CW)
—	HOT WATER 120°F (HW)
—	HOT WATER 120°F RETURN (HWR)
—	NEW CONNECTION
—IW—	INDIRECT WASTE
—G—	GAS PIPING
—EX—	EXISTING PIPING TO REMAIN
---EX---	EXISTING PIPING TO BE REMOVED
EX	EXISTING PIPING TO BE ABANDONED
+++EX+++	REPLACE EXIST. PIPING WITH SIZE INDICATED
⊕	LIMIT OF WORK, CONNECT TO EXISTING
—	CAPPED OR PLUGGED OUTLET (PO)
→	DIRECTION OF FLOW
○	PIPE UP UNLESS OTHERWISE NOTED
⊖	PIPE DROP UNLESS OTHERWISE NOTED
SYSTEM No. ⊕	RISER DESIGNATION
⊕	CENTER LINE
—	SHUT-OFF VALVE
—	THROTTLING VALVE
—	CHECK VALVE
—	GAS PLUG VALVE
—BFP—	BACKFLOW PREVENTER
—T&P—	TEMPERATURE & PRESSURE RELIEF VALVE
—	CURB VALVE
—	VALVE IN VERTICAL (VIV)
—	BEAM OPENING
—	CLEANDUT (CD)
⊕	CLEANDUT DECK PLATE (CDDP)
—	TRAP
□ SA	SHOCK ABSORBER
□ VB	VACUUM BREAKER (VB)
—	HOSE BIBB (HB)
—	CIRCULATOR
—	AQUASTAT
—T—	THERMOMETER
⊕ PG	PRESSURE GAUGE
⊕	SQUARE FEET
WC	WATER CLOSET (EXIST.)
LAV	LAVATORY (EXIST.)
SH	SHOWER (EXIST.)
BT	BATHTUB (EXIST.)
SS	SERVICE SINK
—	ROOF DRAIN
—	AREA DRAIN
—	FLOOR DRAIN (PLAN VIEW)
—	FLOOR DRAIN, (IN SECTION)
—GM—	GAS METER
—WM—	WATER METER
P-1	PLUMBING FIXTURE DESIGNATION
○ MH	MANHOLE
⊖	REMOVE
—WH—	WALL HYDRANT
—	PRESSURE REDUCING VALVE (PRV)
—	SHOWER MIXING VALVE
—MGCV—	MASTER GAS CONTROL VALVE

ABBREVIATIONS	DESCRIPTION
ADR	ACCESS DOOR
CLG	CEILING
CONN	CONNECT, CONNECTION
DN	DOWN
DWG	DRAWING
EL	ELEVATION
ELEC	ELECTRICAL
EQUIP	EQUIPMENT
FF EL	FINISHED FLOOR ELEVATION
GAL	GALLONS
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HZ	FREQUENCY (HERTZ)
IE	INVERT ELEVATION
JC	JANITORS CLOSET
KW	KILOWATT
L	LEADER
MECH	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MH	MANHOLE
NC	NORMALLY CLOSED
NIC	NOT IN PLUMBING CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
PH	PHASE
PLBG	PLUMBING
PSI	POUNDS PER SQUARE INCH
RM	ROOM
SL	SLEEVE
SPEC	SPECIFICATION
TEMP	TEMPERATURE
TYP	TYPICAL
VTR	VENT THRU ROOF
W	WASTE
WH	WALL HYDRANT
W/	WITH



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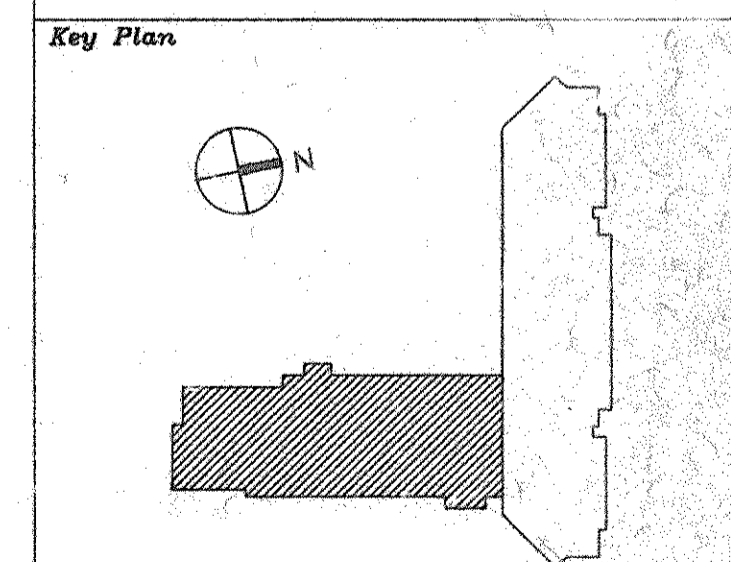
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No.	Date	Revision
10-19-94		ADDED PLUMBING SERVICES TO SUPPL. CHAIR
8-09-94		GENERAL REVISION
6-21-94		BULLETIN NO. (DELETE FD IN SWITCHING ROOM)
3		
2	4-28-94	PLUMBING BID ISSUE
1	3-21-94	COST ESTIMATE ISSUE

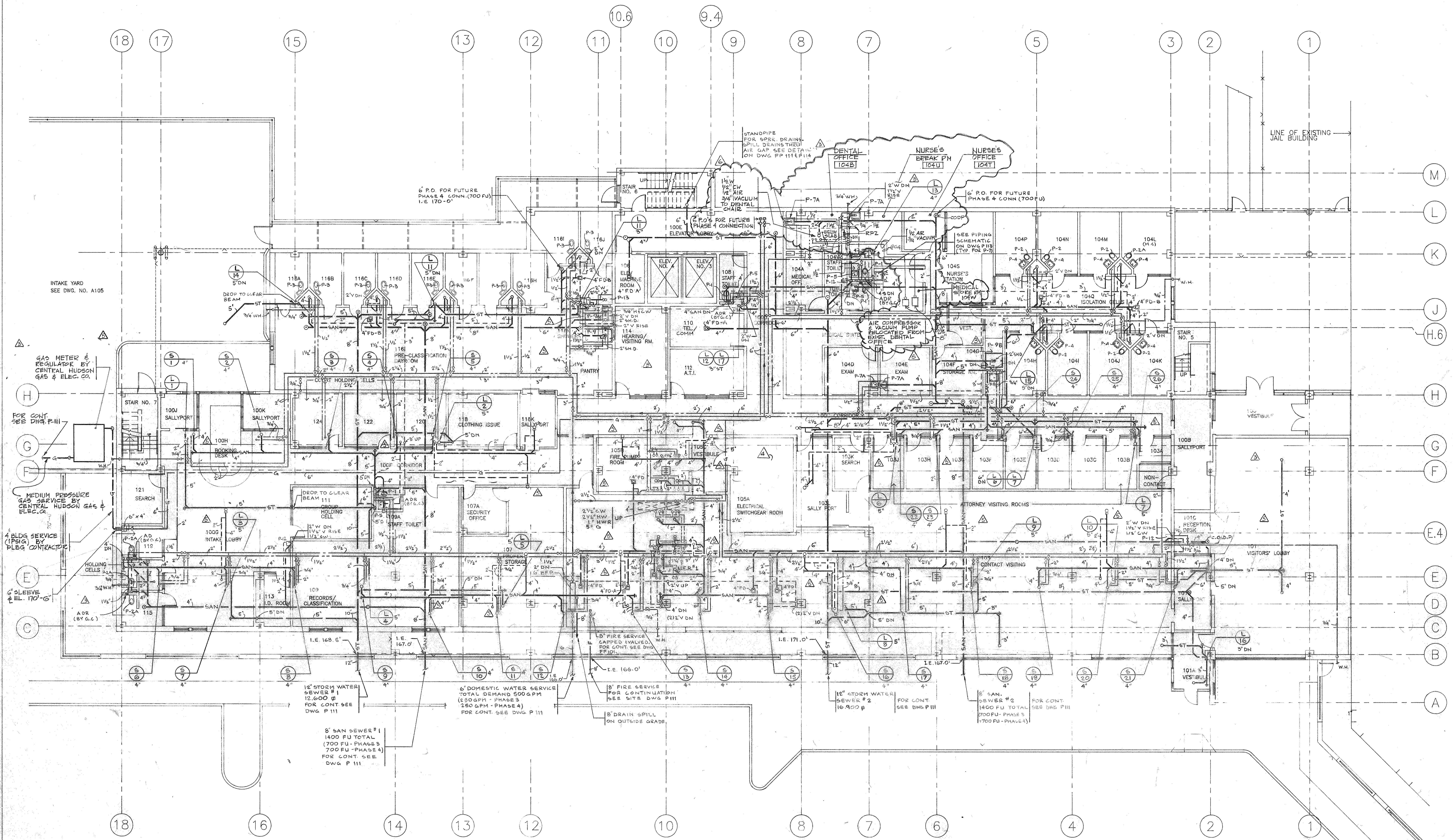
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Issue Date			
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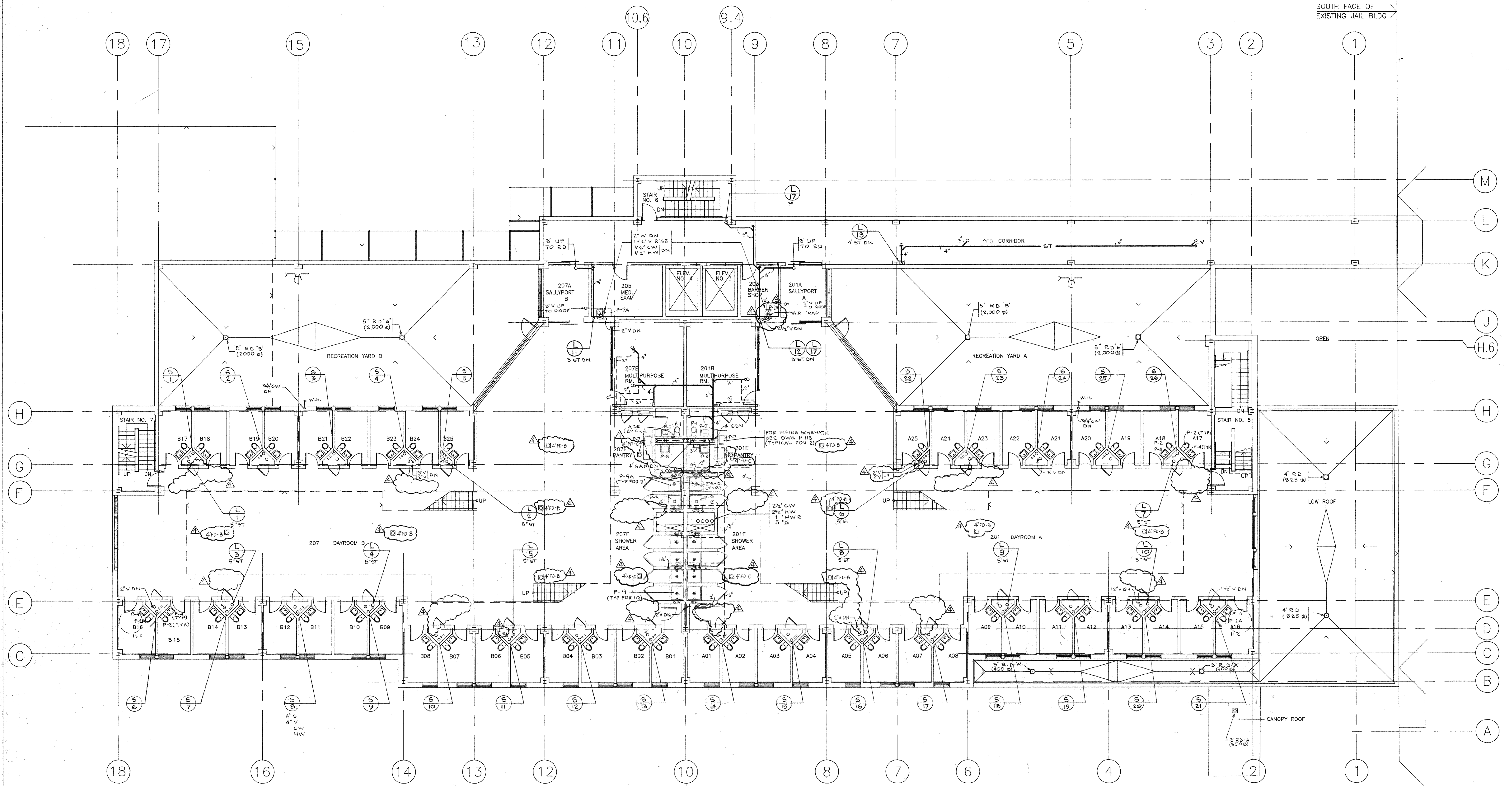
Drawing Title
**NEW BUILDING
 FIRST FLOOR
 PLUMBING PLAN**

CS Project No. 91-1286
 RA Project # 98301.00
 Drawing No.

P101



ALL FLOOR DRAINS FD-A IN 1ST AND 3RD FLOOR MER'S SHALL BE SIMILAR TO J.R. SMITH MODEL #2230



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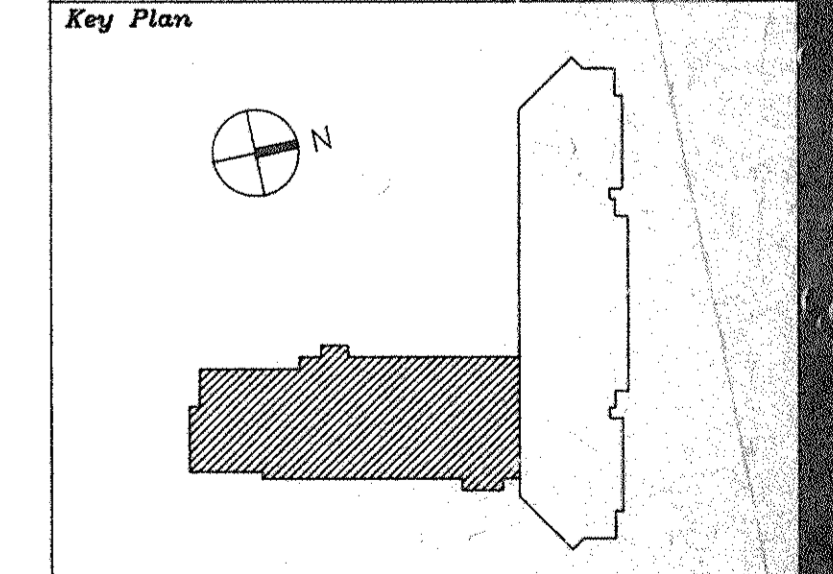
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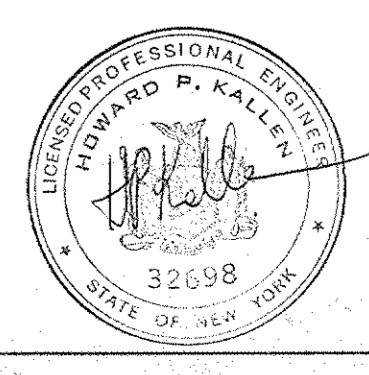
1	8-09-94	GENERAL REVISION
2	4-28-94	PLB & BID ISSUE
3	3-21-94	CAT. ESTIMATE ISSUE

Drawn By	G. D.	Date	
Checked By	M. E.	Date	
Issue Date			
Scale	1/8" = 1' 0"		



Drawing Title
**NEW BUILDING
 SECOND FLOOR
 PLUMBING PLAN**

CS Project No. 91-1286
 24 Project # 99301.00
 Drawing No. **P102**



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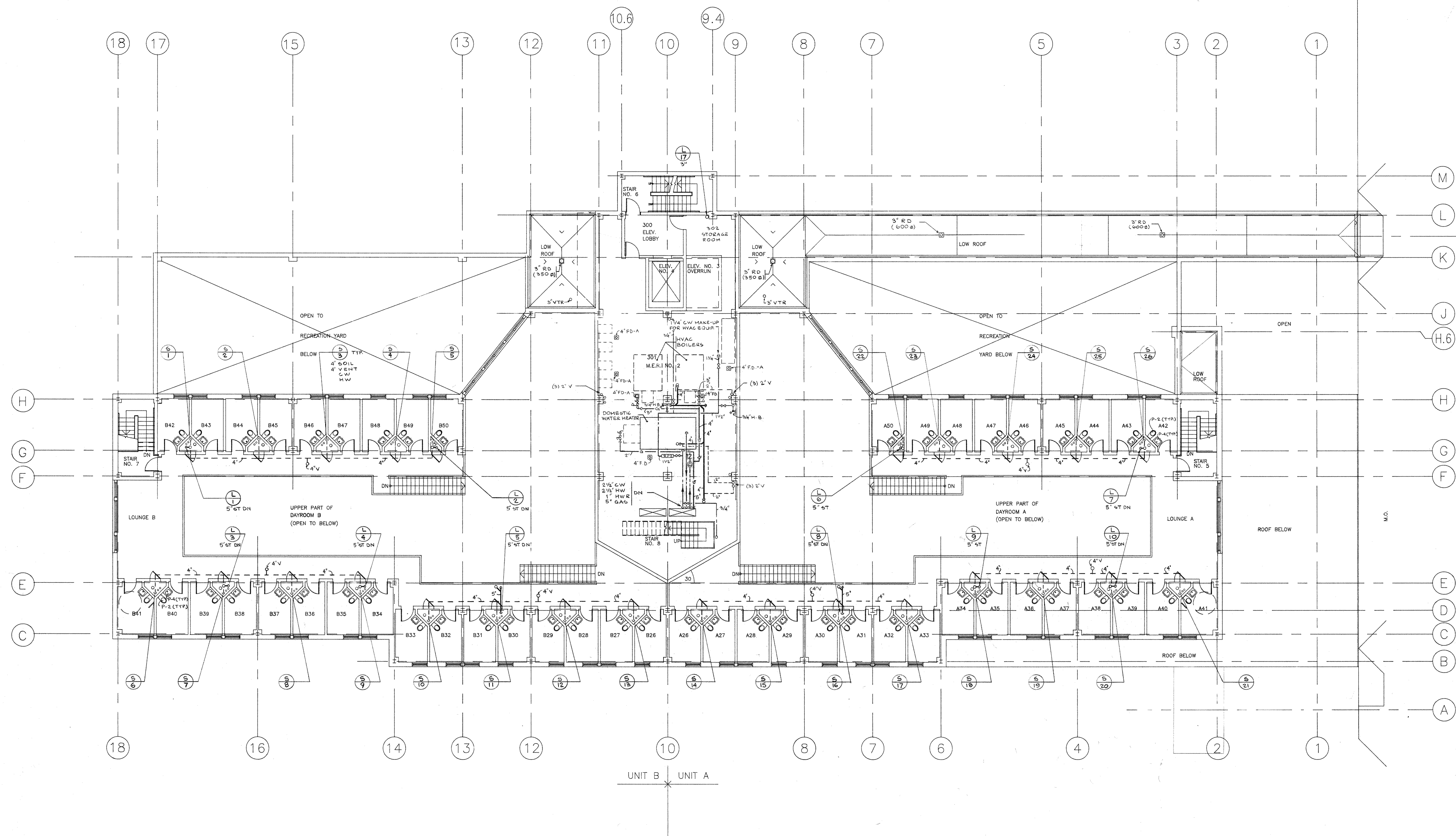
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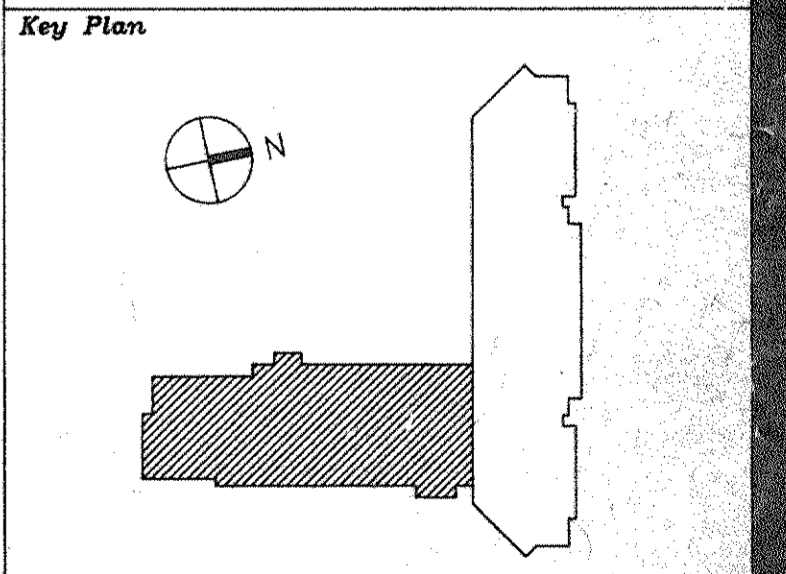
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No.	Date	Revision
2	4-28-94	PLBG BID ISSUE
1	3-21-94	CAT ESTIMATE ISSUE

Drawn By	S. D.	Date
Checked By	M. E.	Date
Issue Date		
Scale	1/8" = 1'-0"	



**NEW BUILDING
THIRD FLOOR
PLUMBING PLAN**



CS Project No. 91-1286
RA Project # 98801.00
Drawing No.

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Architects Planners & Interior Designers
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Tel 212/382-1800

Civil Engineers
Paggi & Martin
54-56 Main Street
Poughkeepsie, New York 12601
Fax 914/471-0905
Tel 914/471-7898

1	8-09-94	GENERAL REVISION
2	4-28-94	PLB'S BID ISSUE
3	3-21-94	CUT ESTIMATE ISSUE

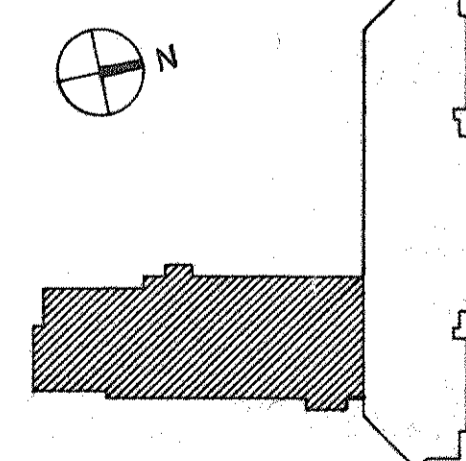
Drawn By S.D. Date

Checked By H.E. Date

Issue Date

Scale 1/8" = 1'-0"

Key Plan

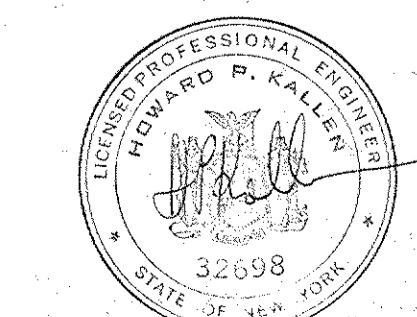
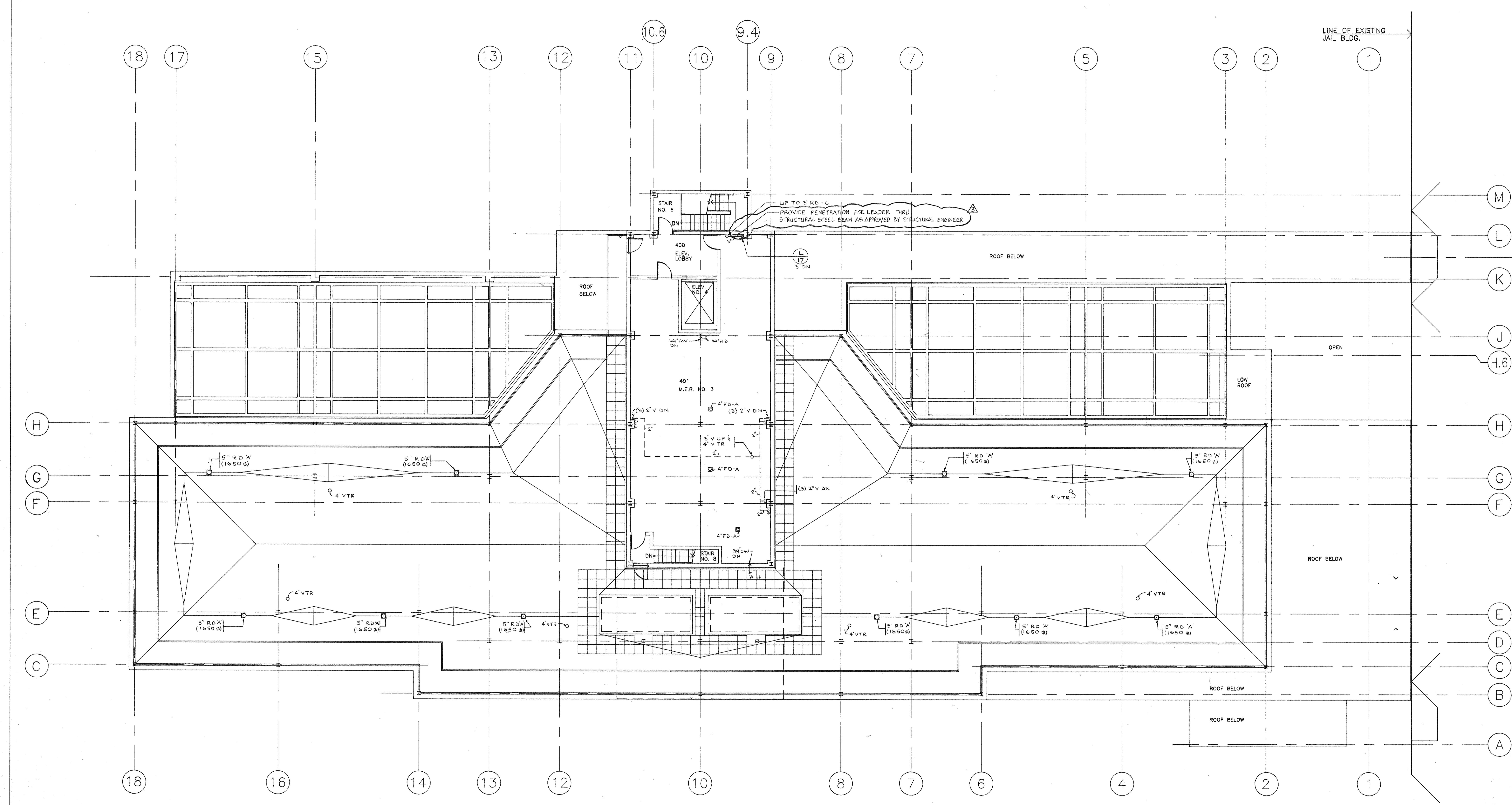


Drawing Title

**NEW BUILDING
MAIN ROOF &
PENTHOUSE
PLUMBING PLAN**

Project No. 91-1288
Drawing No. 0001-00

P104

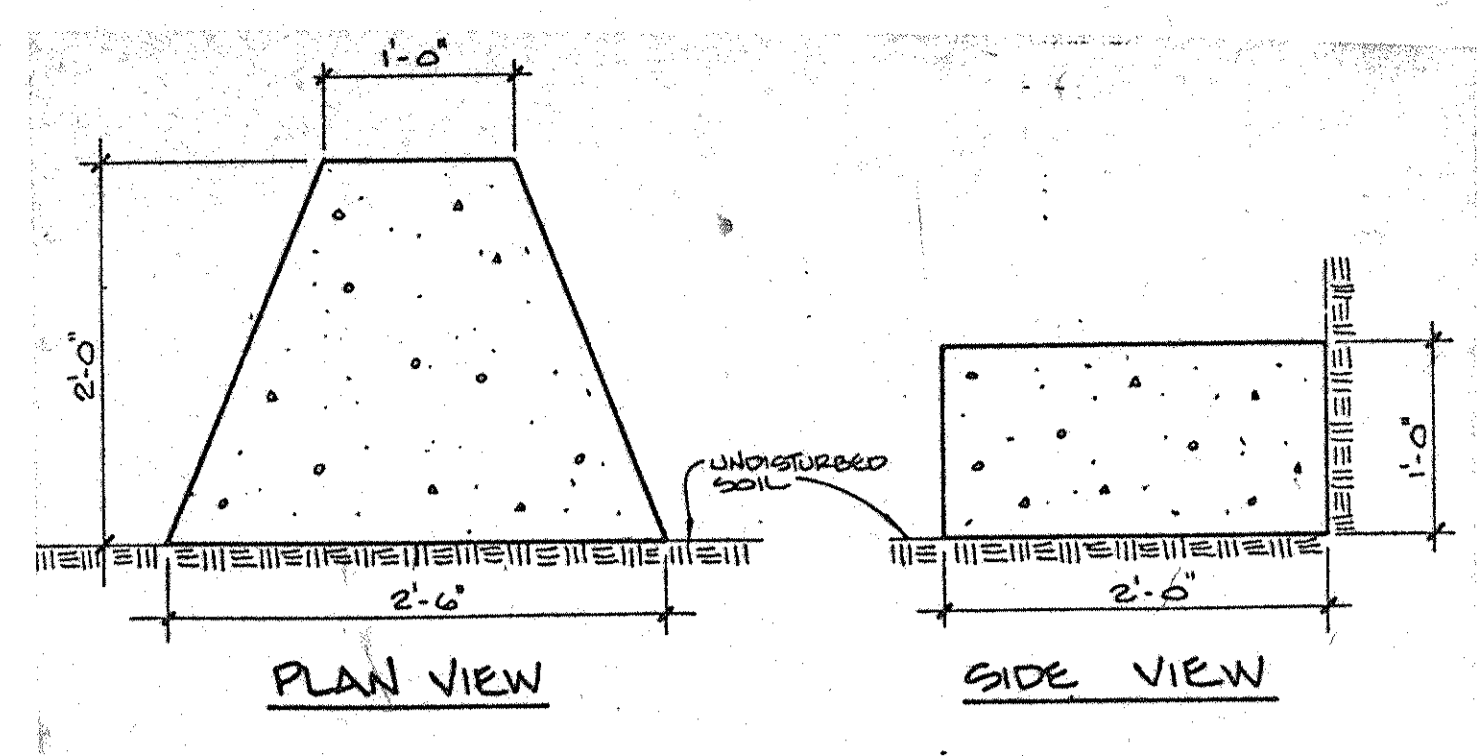


THE CITY OF POUGHKEEPSIE PROCEDURE FOR ACCEPTANCE OF THE WATER MAIN:

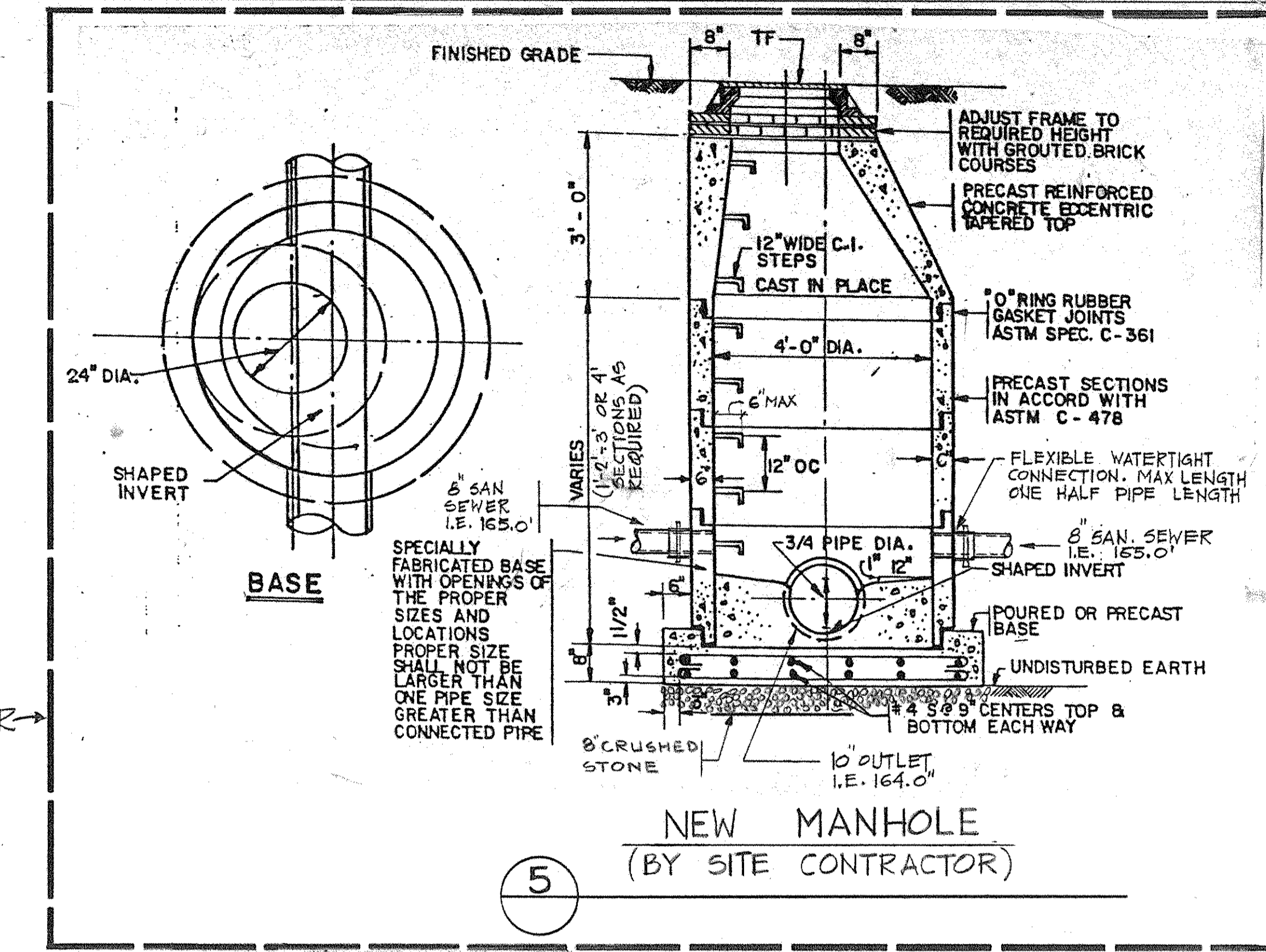
- A LETTER OF CERTIFICATION FOR THE PRESSURE AND LEAKAGE TESTS, SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF NEW YORK, SHOULD BE SUBMITTED TO THE CITY ENGINEER. REFER TO SPECIFICATIONS FOR TESTING PROCEDURE.
- THE BACTERIOLOGICAL TEST RESULTS, SIGNED BY A LICENSED LABORATORY TECHNICIAN, MUST BE ATTACHED TO THE CERTIFICATION LETTER. REFER TO SPECIFICATIONS FOR DISINFECTATION PROCEDURE.
- ONCE CERTIFICATION HAS BEEN OBTAINED, THE ENGINEERING DEPARTMENT WILL WRITE A LETTER TO THE PLUMBING INSPECTOR STATING THAT THE WATER LINE HAS BEEN ACCEPTED.
- ONLY CITY EMPLOYEES ARE PERMITTED TO OPEN THE VALVE CONNECTING THE NEW MAIN WITH THE WATER SUPPLY MAIN. THIS SHALL NOT BE DONE UNTIL A MEMO IS ISSUED BY THE CITY ENGINEER.
- THE WATER MAINS SHALL BE PRESSURE TESTED AT 200 PSI FOR 2 HOURS. CERTIFICATION OF THESE TESTS SHALL BE PRESENTED TO THE CITY ENGINEER.

THE CITY OF POUGHKEEPSIE REQUIREMENTS FOR SANITARY SEWER:

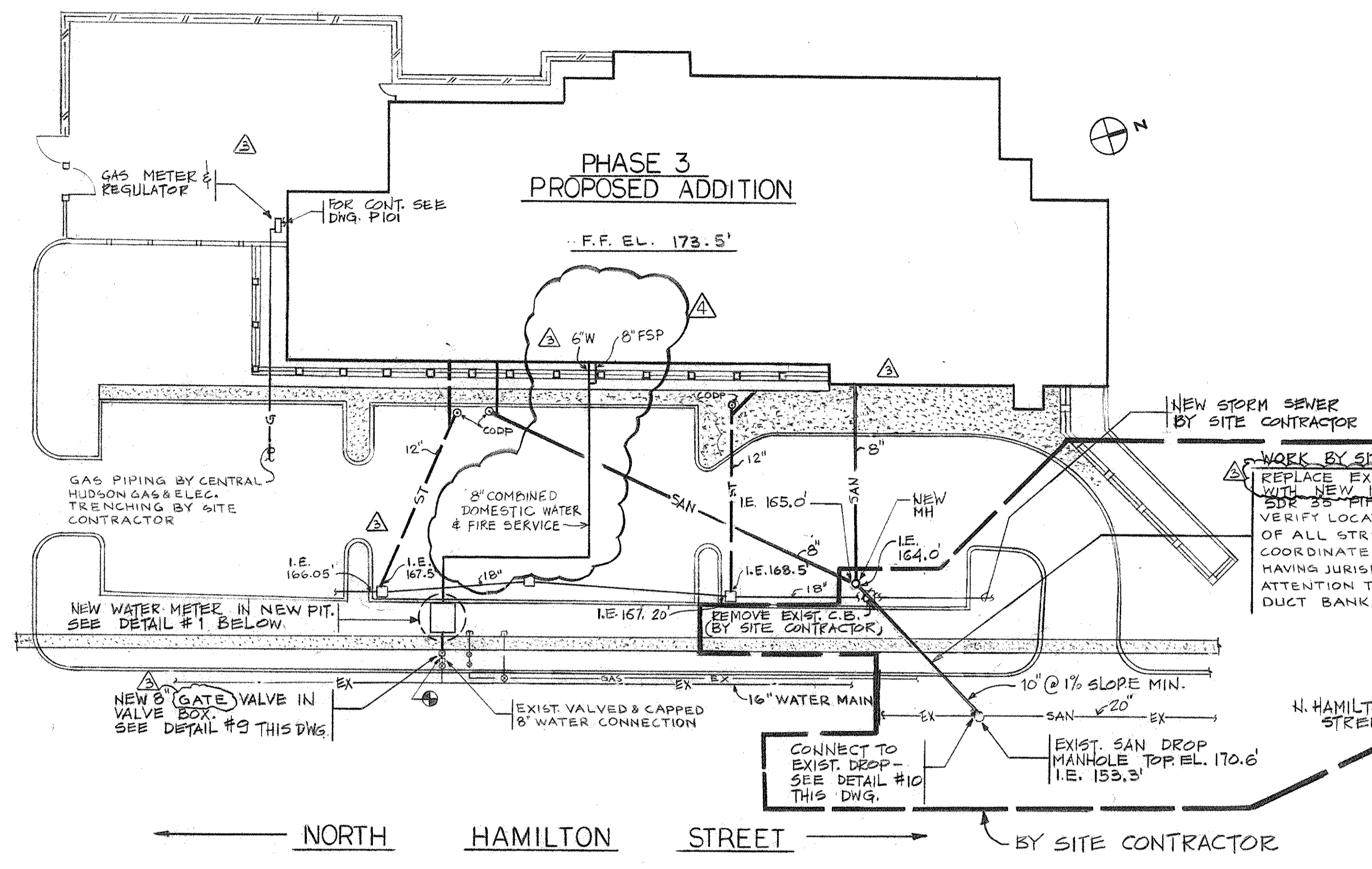
- SANITARY SEWER PIPE SHALL BE PVC SDR-35 PIPE AND SHALL CONFORM TO ASTM D3034-73.
- MINIMUM COVER OVER THIS PIPE SHALL BE 3 FEET.
- THE SEWER SHALL BE TESTED FOR EXFILTRATION. THE PIPE SHALL MAINTAIN DROP NO MORE THAN 1 PSI (FROM 3.5 PSIG TO 2.5 PSIG) FOR A PERIOD OF 2 MINUTES.



2 CONCRETE THRUST BLOCK
NO SCALE

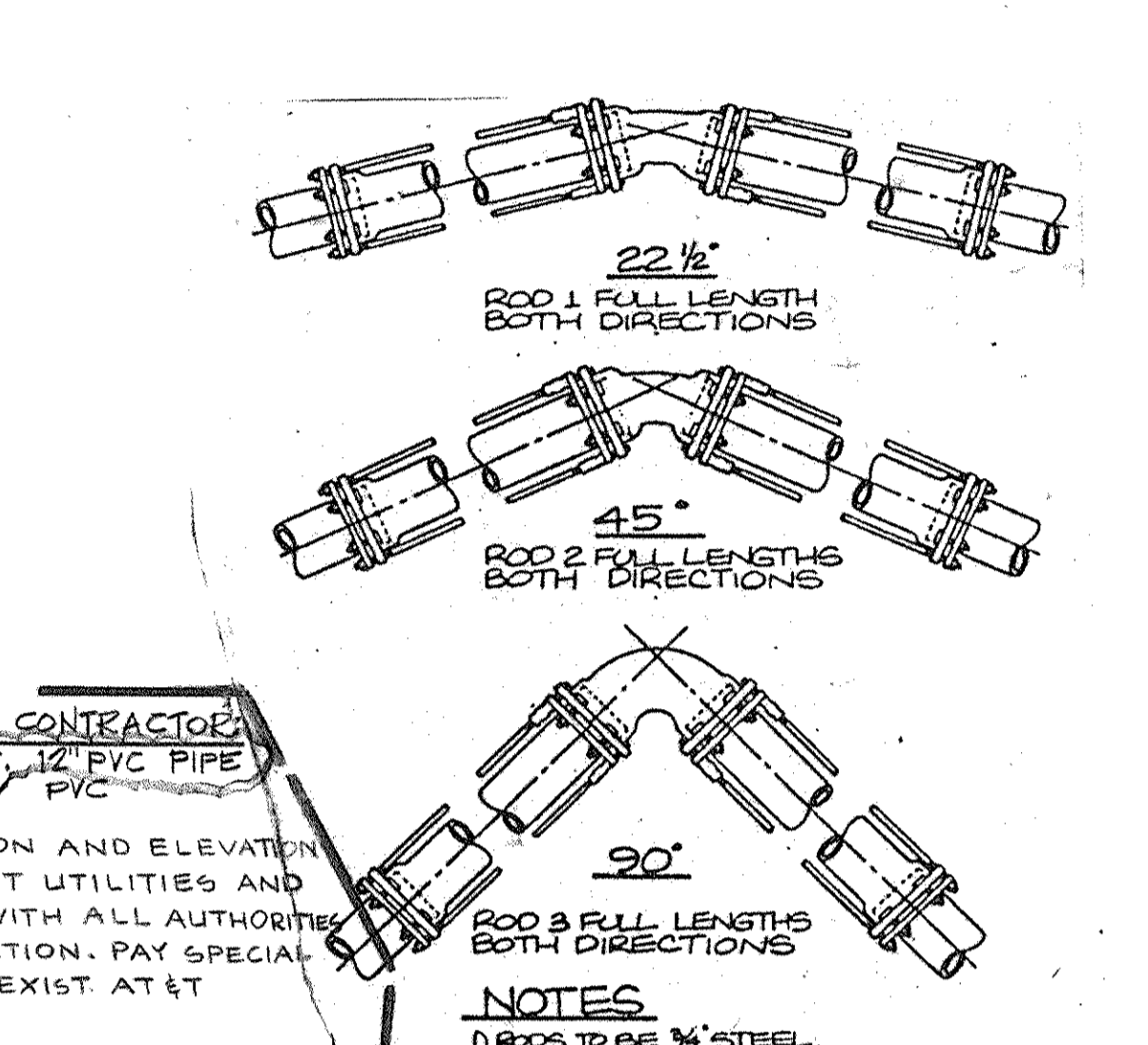


5 NEW MANHOLE
(BY SITE CONTRACTOR)

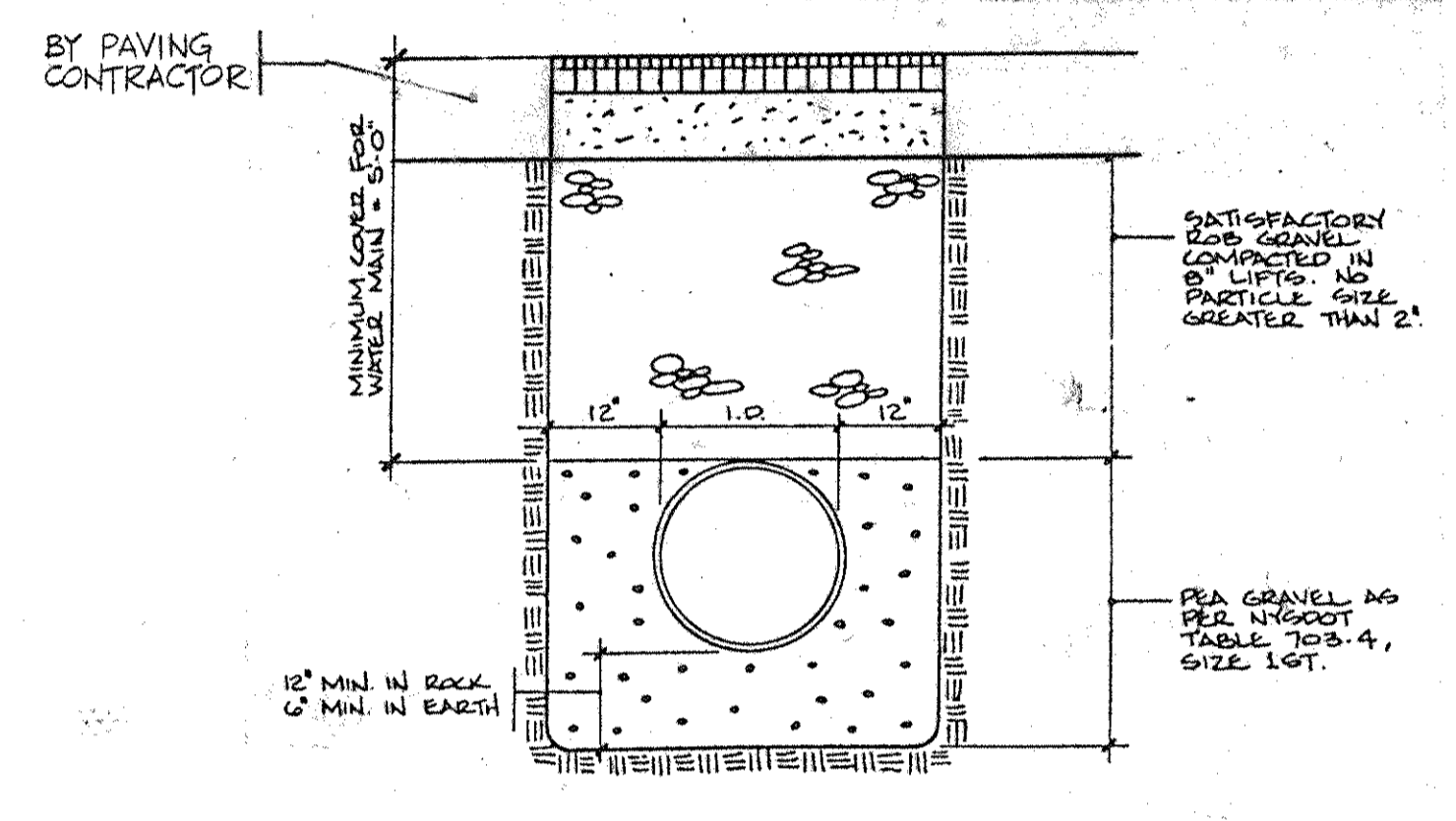


SITE UTILITY PLAN
SCALE: 1" = 30'

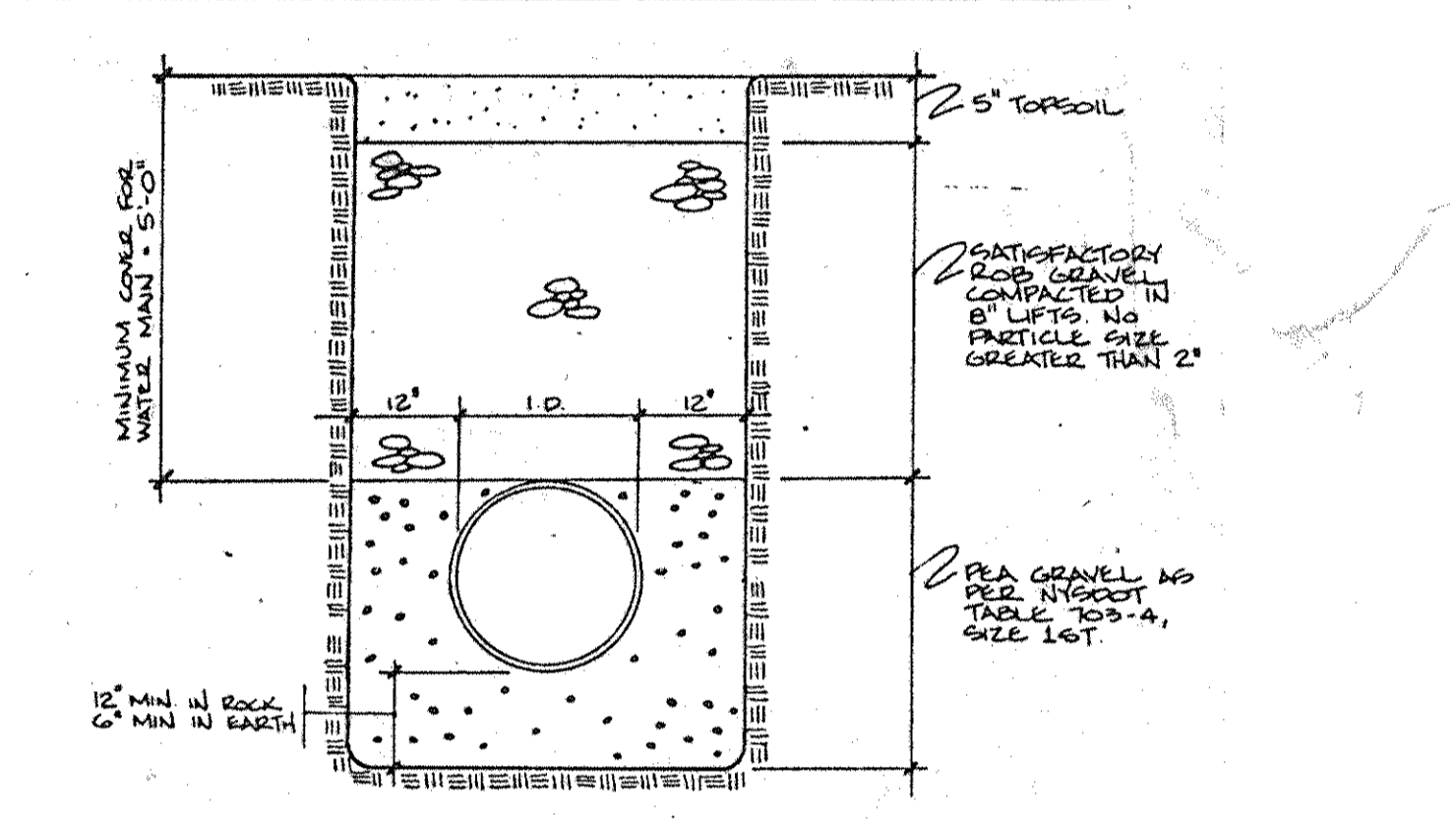
- LEGEND**
- NEW PIPING & STRUCTURES.
 - EX □ EXIST. PIPING & STRUCTURES.
 - SAN SANITARY SEWER
 - ST STORM WATER SEWER
 - F&P COMBINED FIRE STANDPIPE & SPRK SERV.
 - W DOMESTIC WATER SERVICE
 - G GAS SERVICE
 - C.B. CATCH BASIN
 - O.M.H. MANHOLE
 - CONNECTION TO EXISTING CLEANOUT
 - EX ○ EXIST. PIPING TO ABANDON



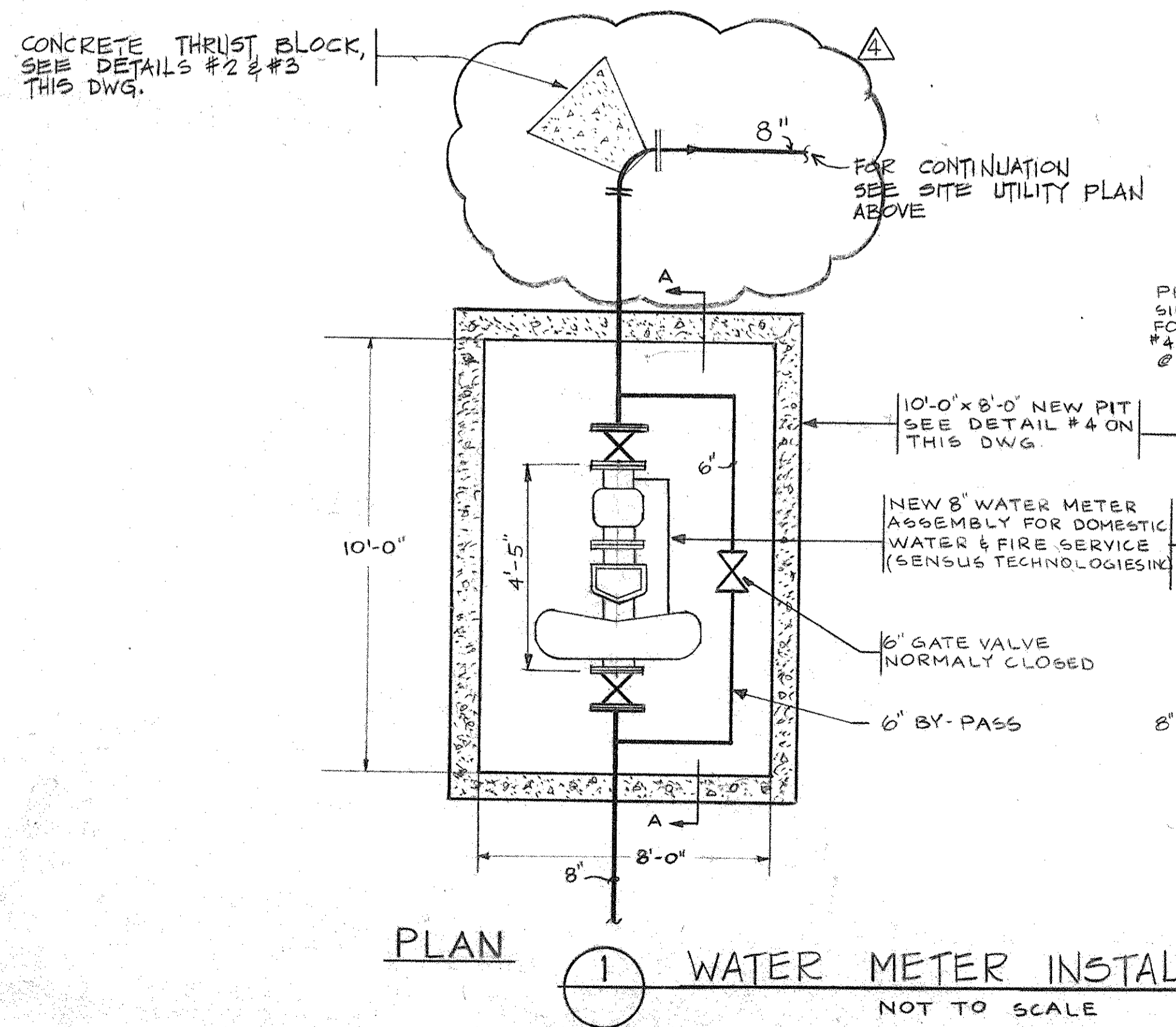
3 TYPICAL RODDING DETAIL
NO SCALE



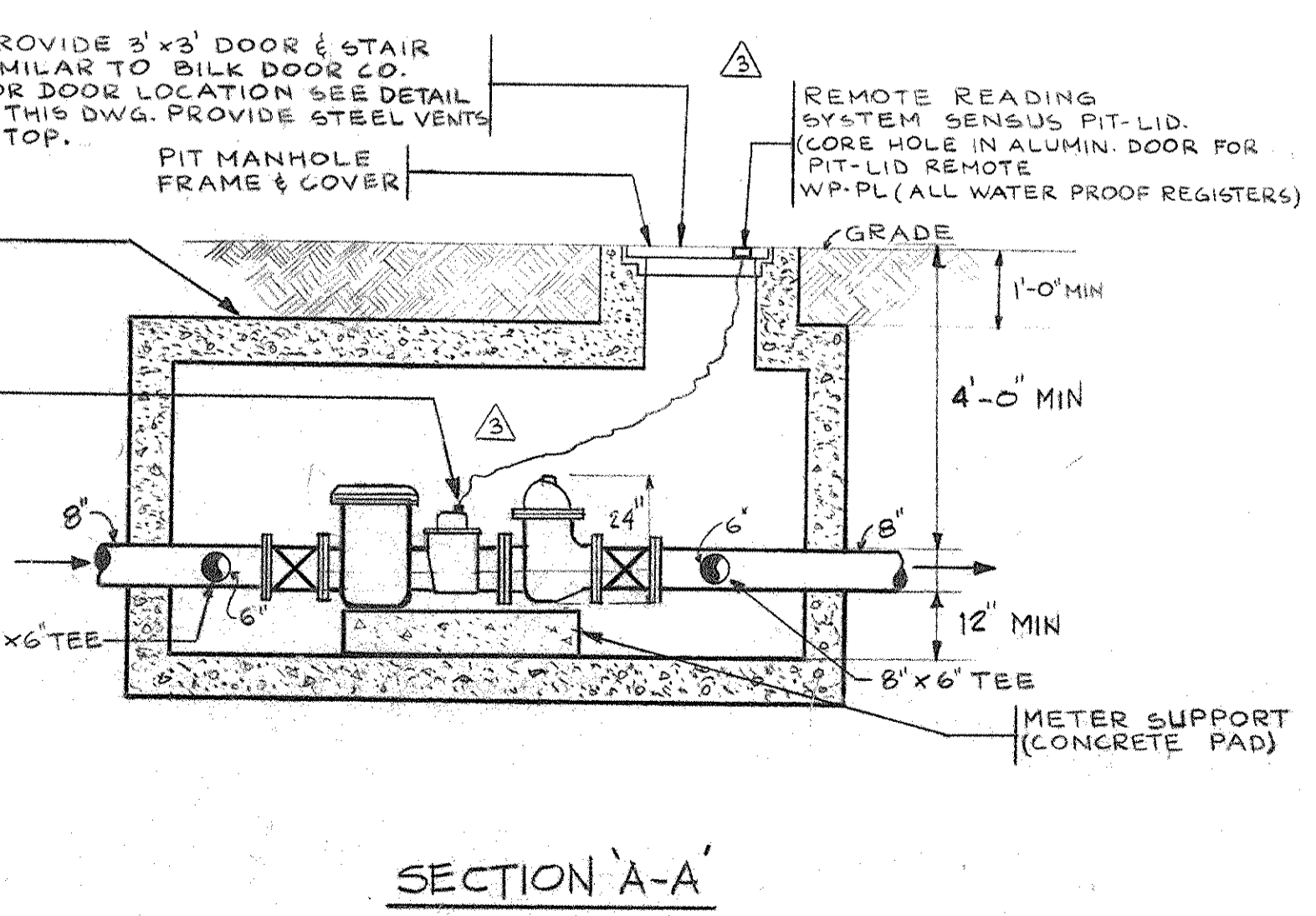
6 TYPICAL TRENCH & PIPE DETAIL (PAVED AREAS)
NO SCALE



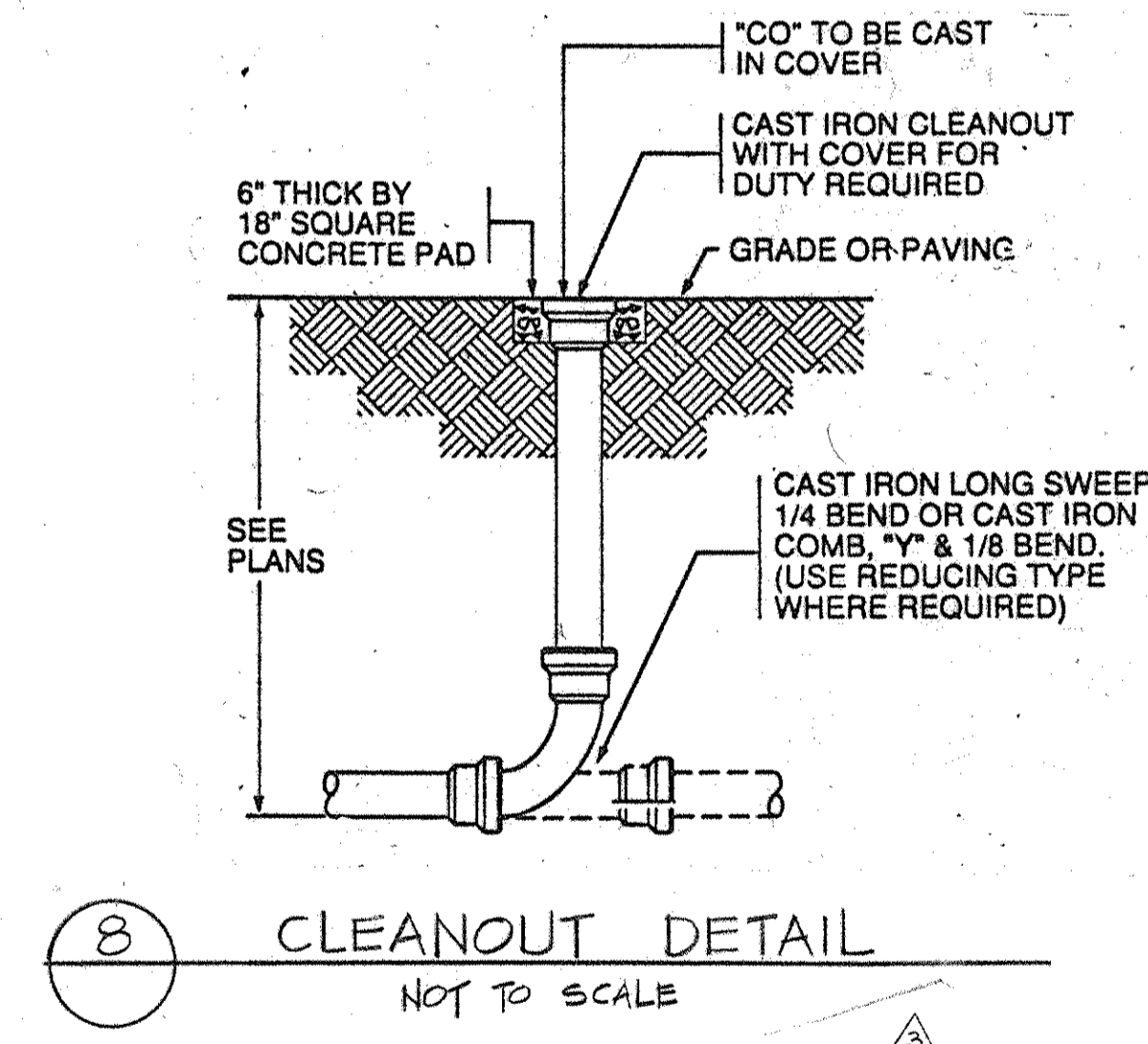
7 TYPICAL TRENCH & PIPE DETAIL (GRASS AREAS)
NO SCALE



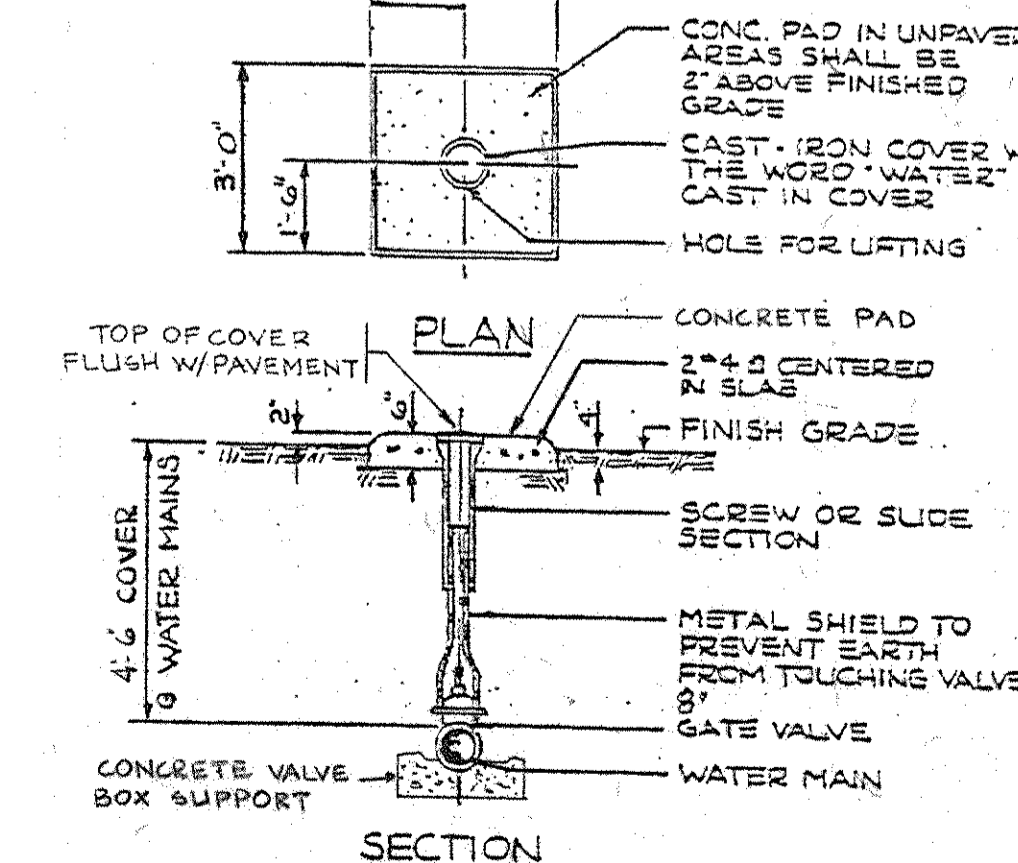
1 WATER METER INSTALLATION DETAIL
NOT TO SCALE



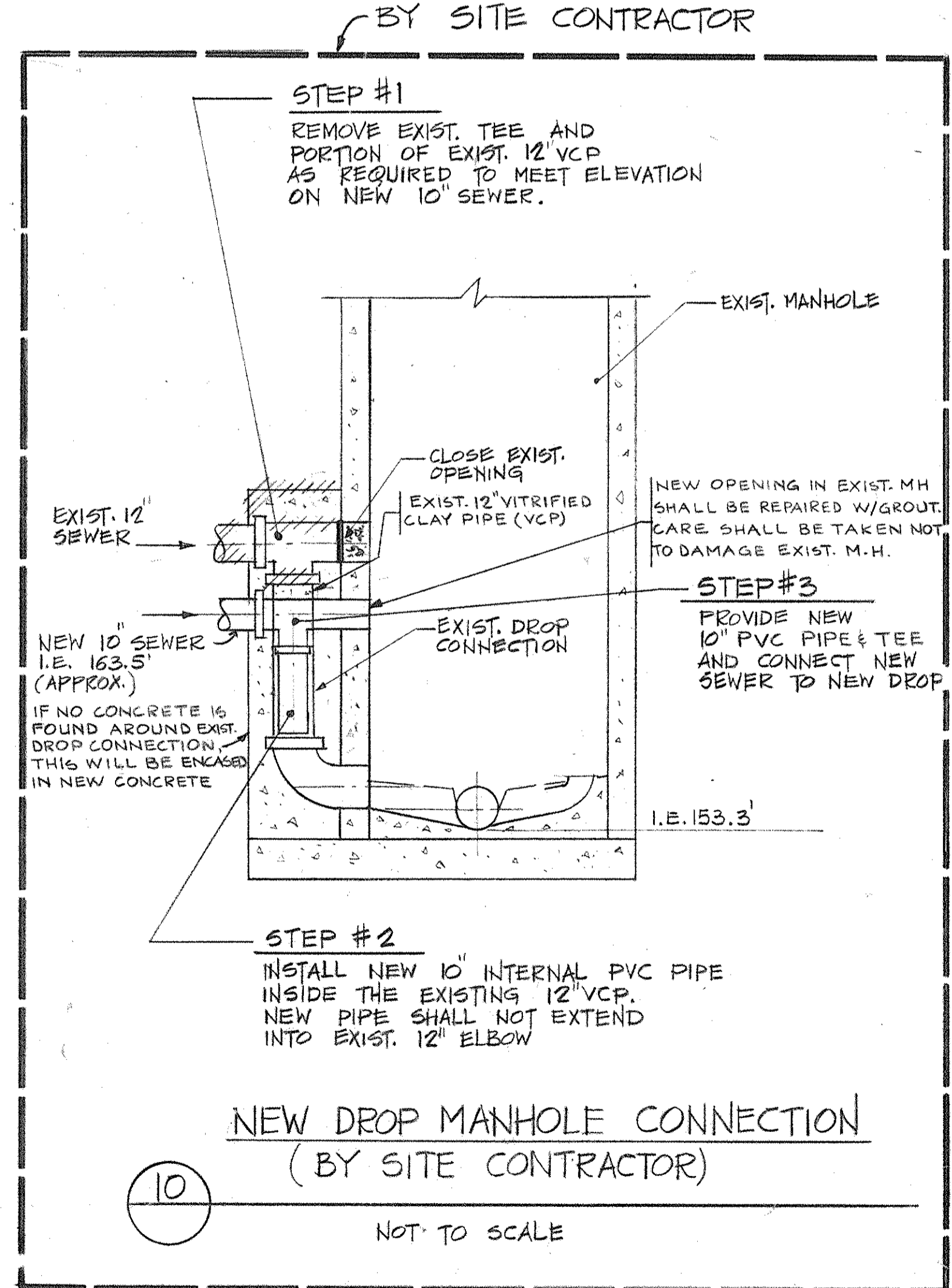
4 WATER METER PIT-SIMILAR TO LHV
NOTE: THE PIT SHALL HAVE A COMPRESSING STRENGTH OF 4,000 PSI AND WITHSTAND H-20 LOAD.



8 CLEANOUT DETAIL
NOT TO SCALE



9 GATE VALVE & VALVE BOX DETAIL
(VALVE LOCATED AT CURB)
N.T.S.



10 NEW DROP MANHOLE CONNECTION
(BY SITE CONTRACTOR)
NOT TO SCALE

Dutchess County Jail
Phase 3 Addition & Renovations
150 N. Hamilton St.
Poughkeepsie, N.Y. 12602

Owner
County of Dutchess
Department of Public Works
22 Market Street
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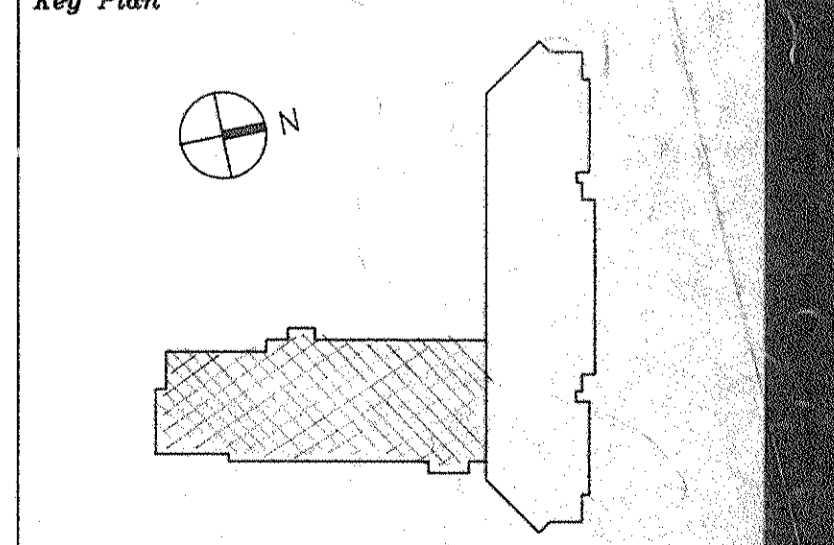
Associated Architects
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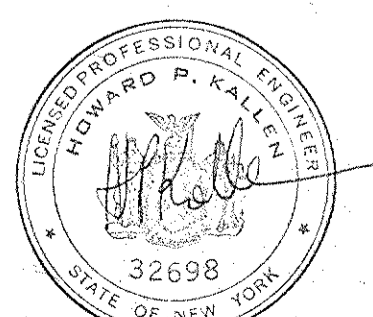
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Fax 914/471-0905
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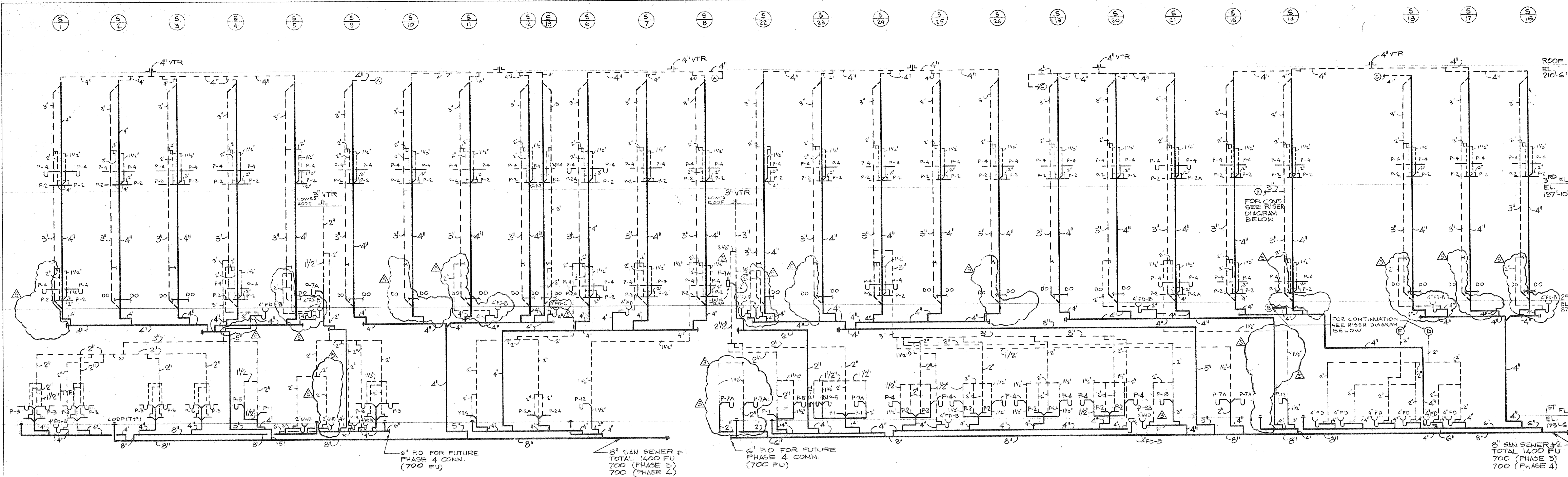
1	8-09-94	GENERAL REVISION
2	4-23-94	PLRG 810 ISSUE
3	3-21-94	CAT ESTIMATE ISSUE
No.	Date	Revision
Drawn By	S. D.	Date
Checked By	M. E.	Date
Issue Date		
Scale	AS NOTED	



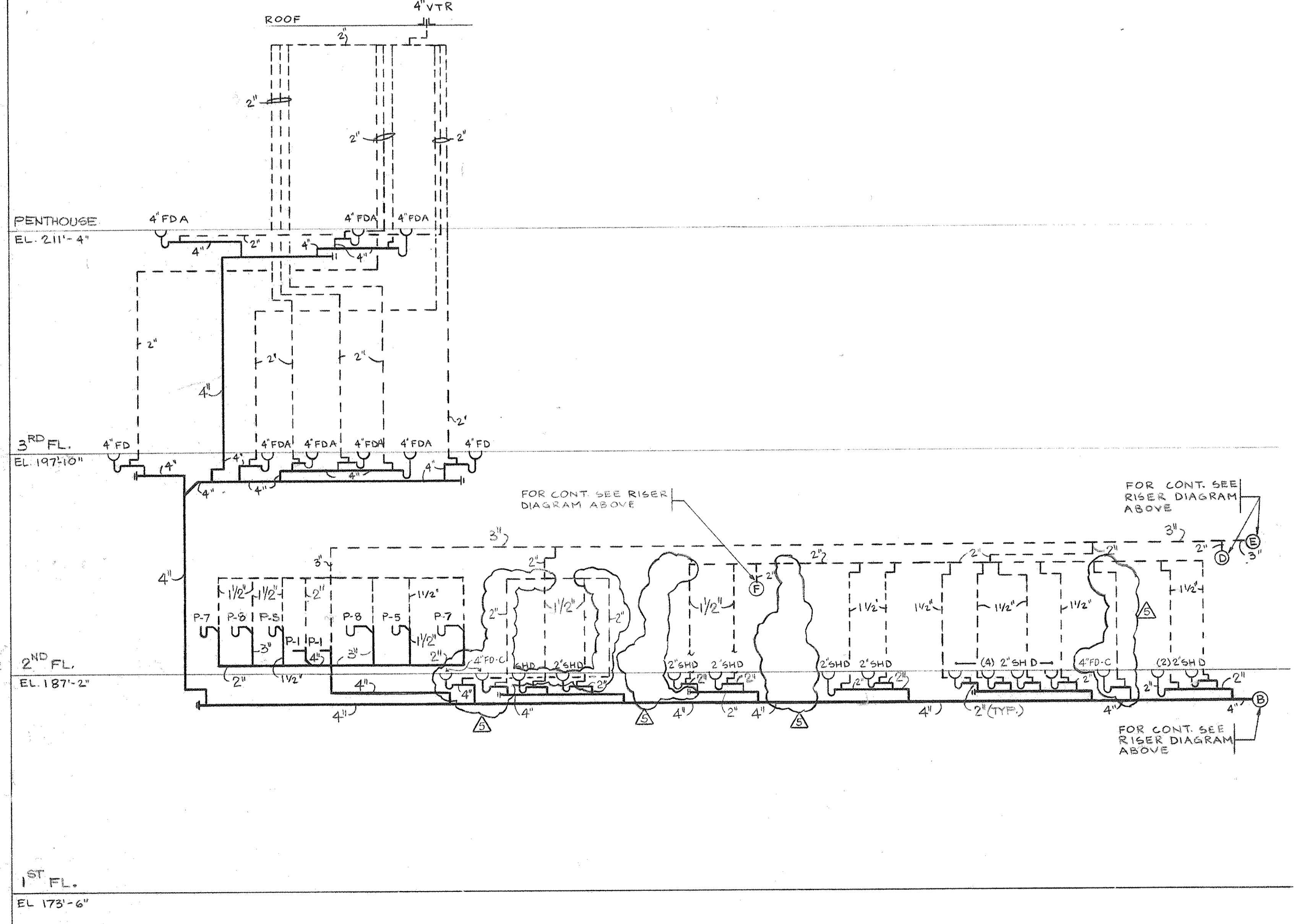
PLUMBING SITE UTILITY PLAN & DETAILS

Drawing Title
PLUMBING SITE UTILITY PLAN & DETAILS

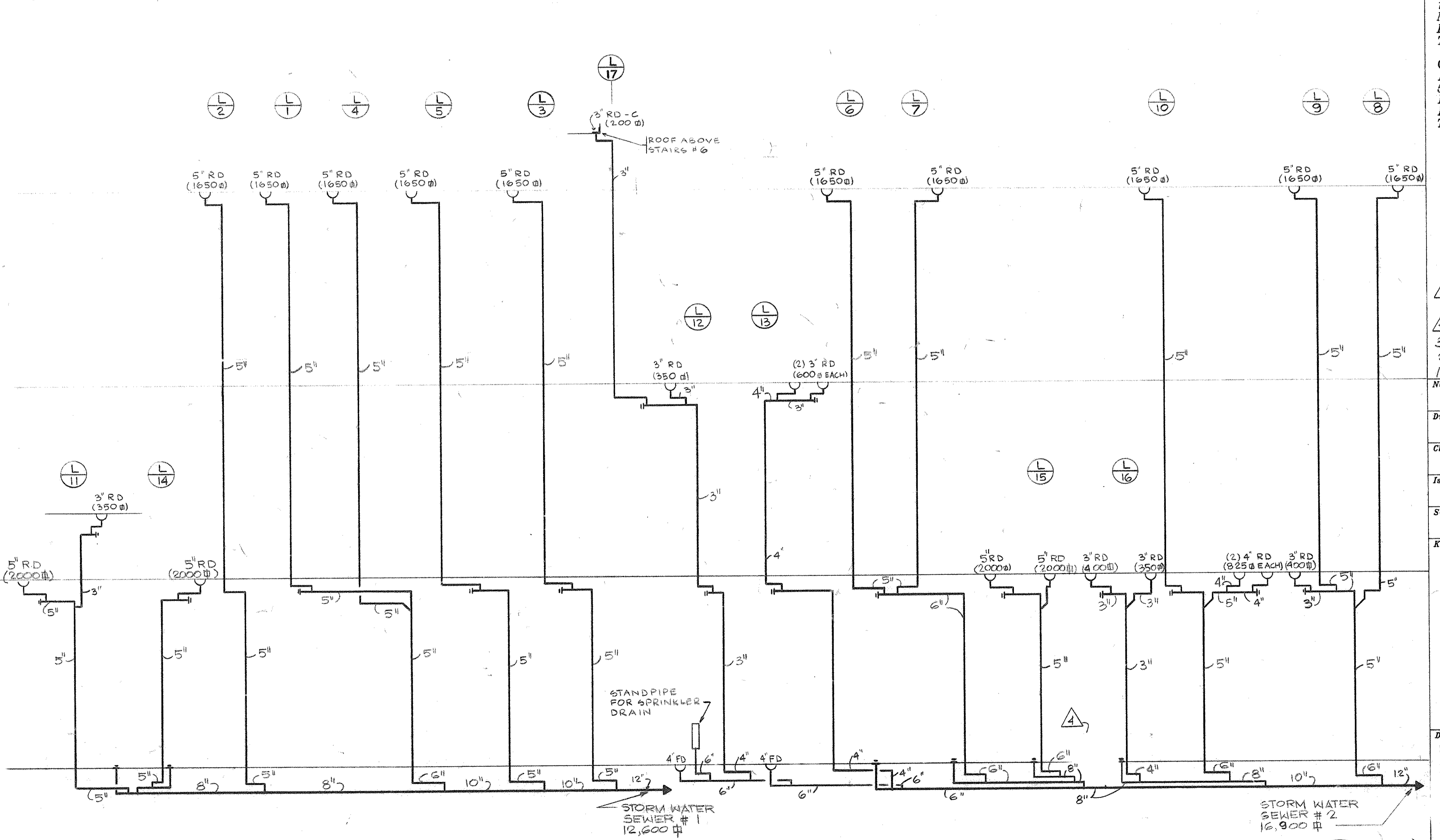




SANITARY RISER DIAGRAM



SANITARY RISER DIAGRAM

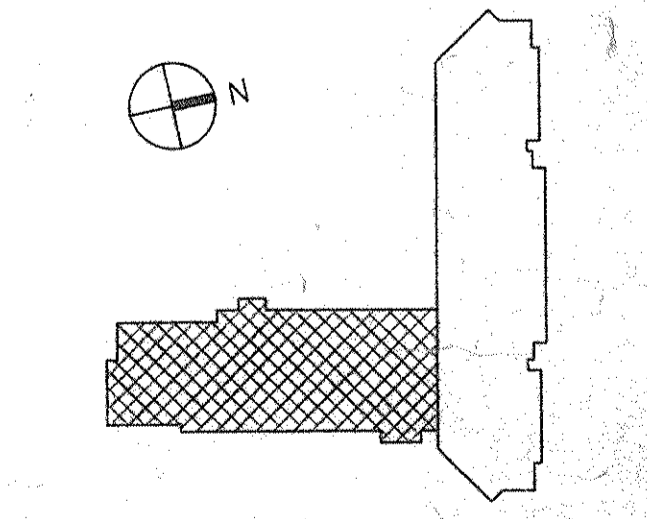


STORM WATER RISER DIAGRAM

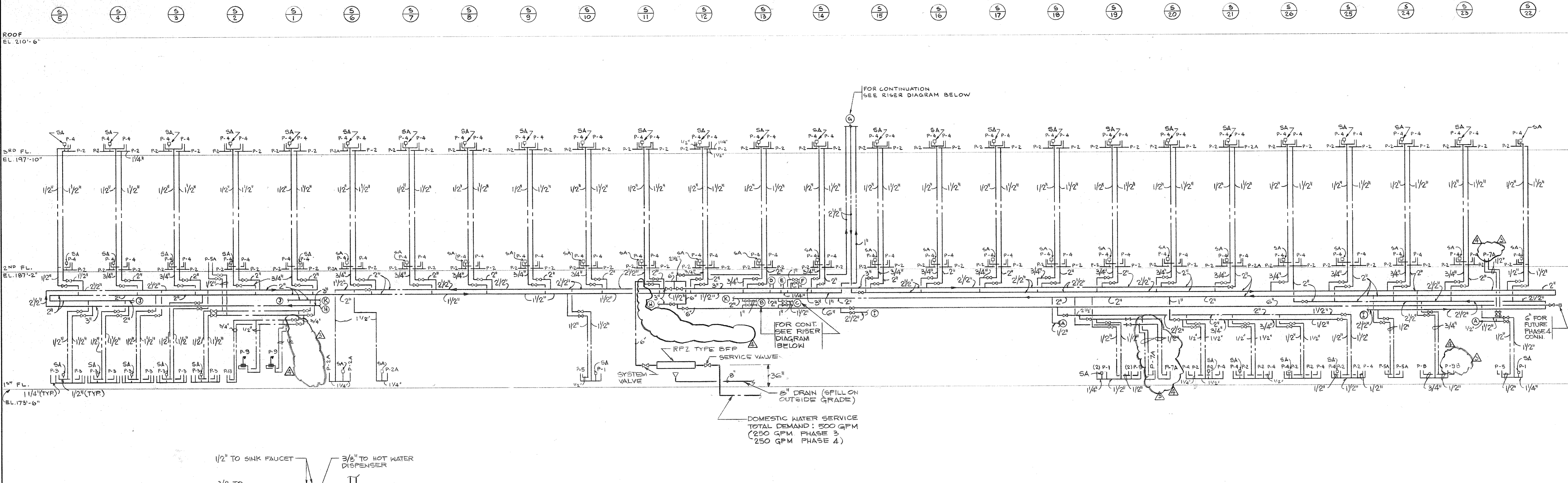
△	8-09-94	GENERAL REVISION
△	6-2-99	BULLETIN NO. (DELETE P.D. IN SWITCHGEAR R.M.)
3	4-28-94	PLRGS 610 ISSUE
2	3-21-94	CAT ESTIMATE ISSUE

No.	Date	Revision

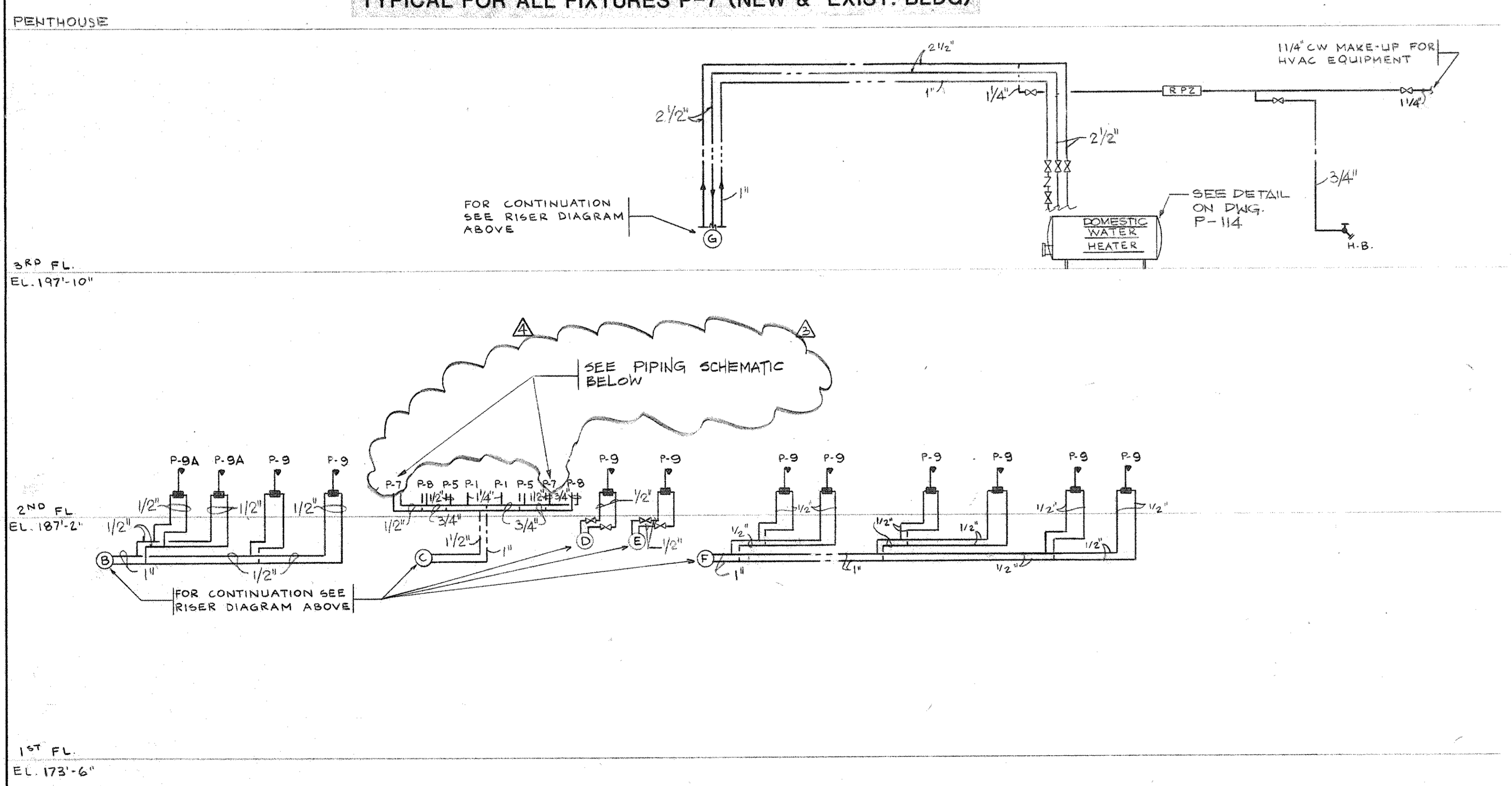
Drawn By S. D. Date
Checked By M. E. Date
Issue Date
Scale NONE
Key Plan



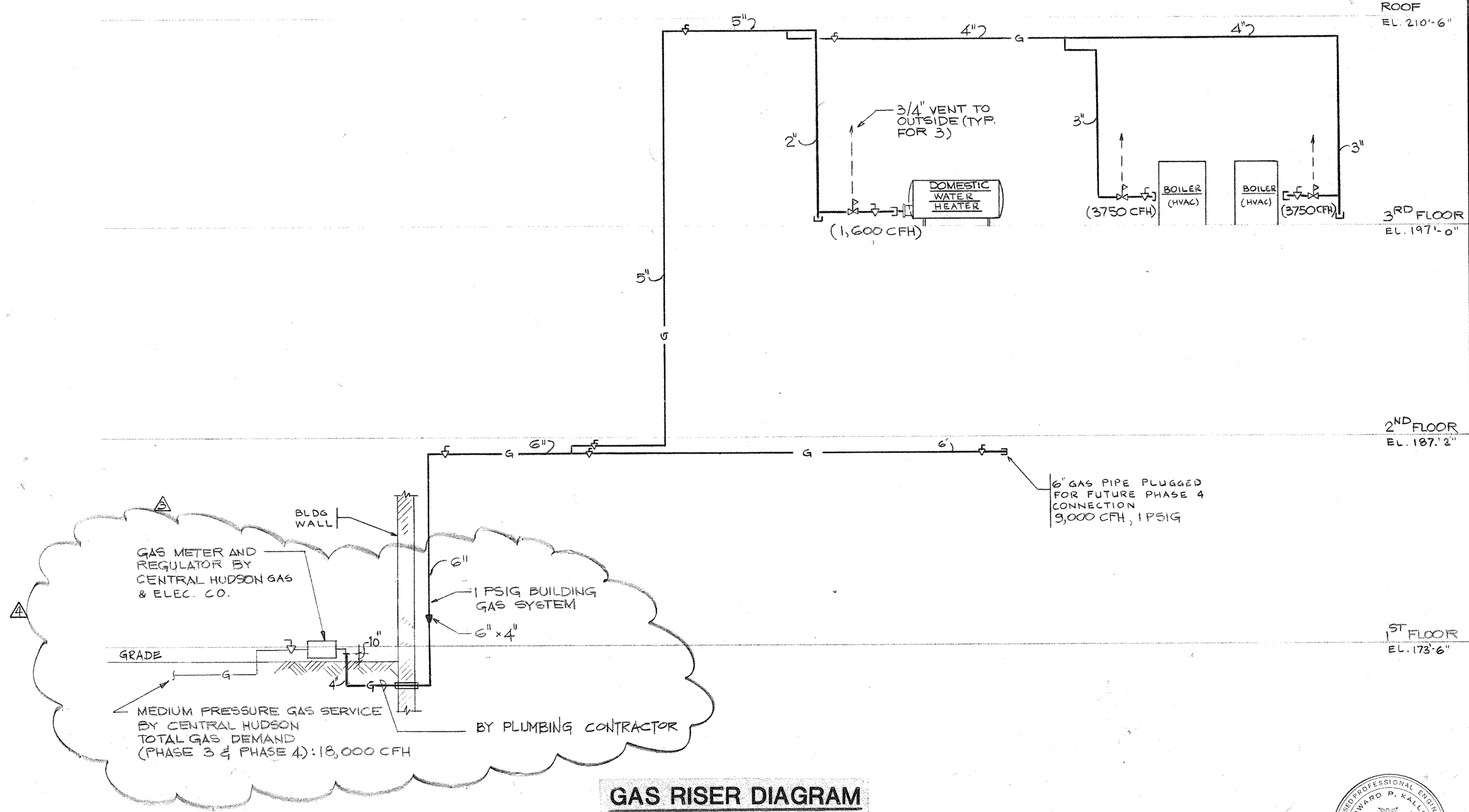
Drawing Title
SANITARY & STORM WATER RISER DIAGRAMS



DOMESTIC WATER RISER DIAGRAM



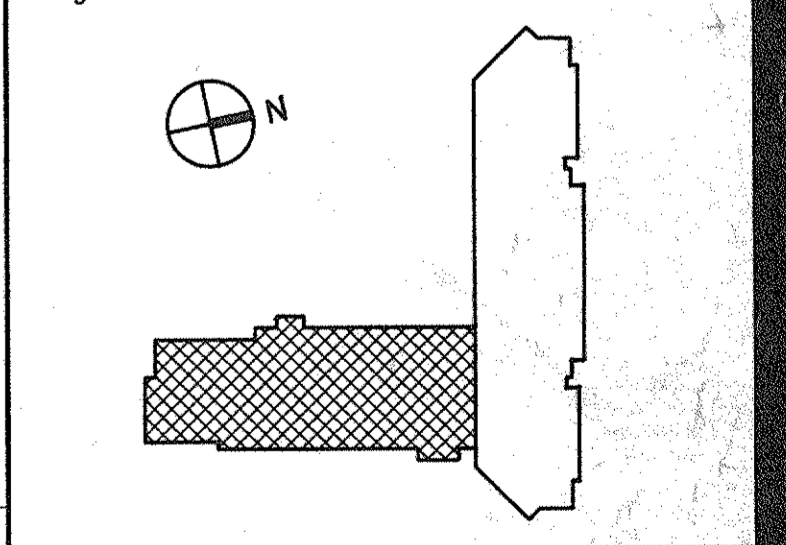
DOMESTIC WATER RISER DIAGRAM



GAS RISER DIAGRAM

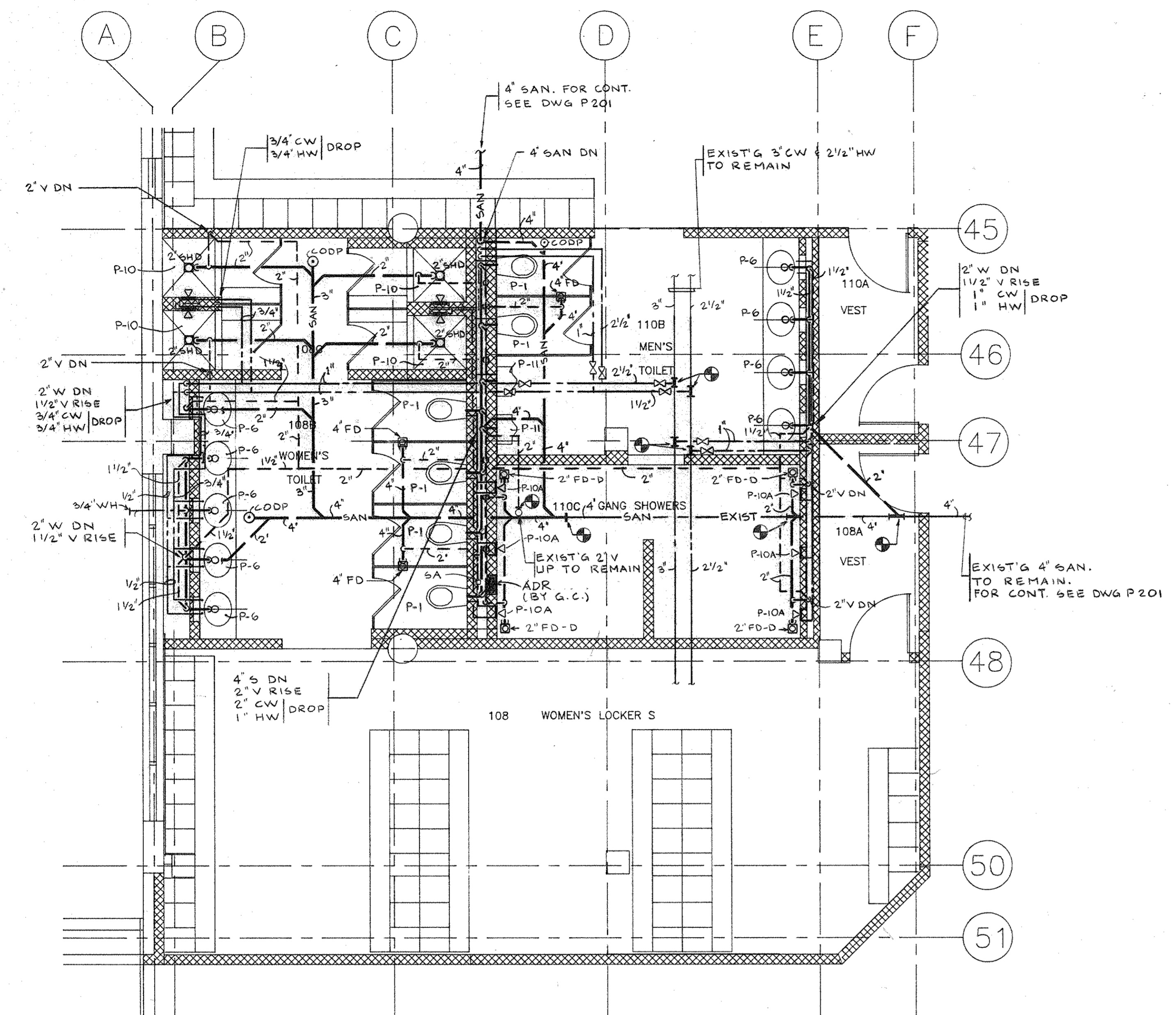
No.	Date	Revision
1	6-09-94	GENERAL REVISION
2	4-23-94	PLRG B/D ISSUE
3	3-21-94	CMT ESTIMATE ISSUE

Drawn By	S.D.	Date
Checked By	M.E.	Date
Issue Date		
Scale	NONE	

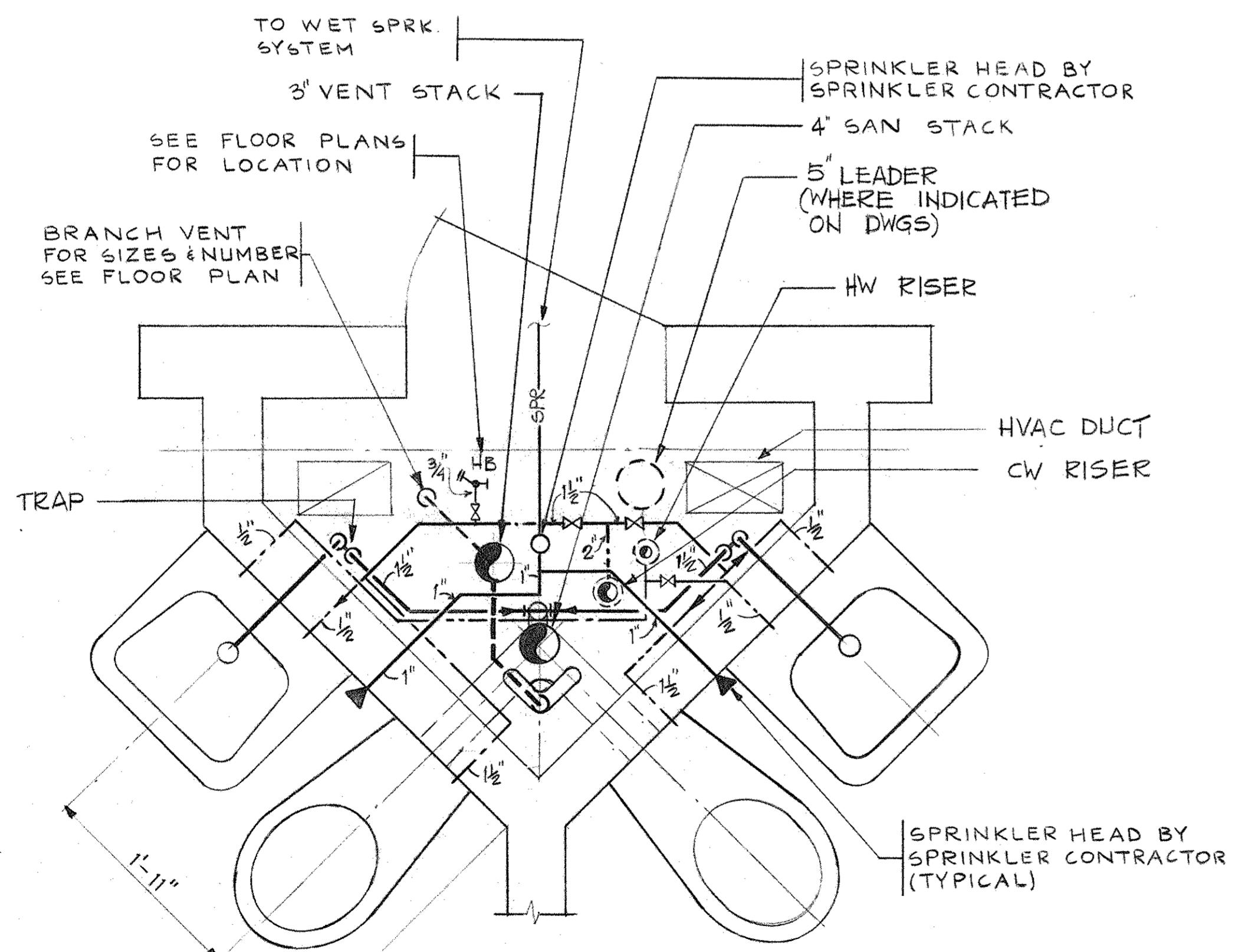


DOMESTIC WATER & GAS RISER DIAGRAMS





TOILET DETAIL - EXISTING JAIL
SCALE: 1/4" = 1'-0"

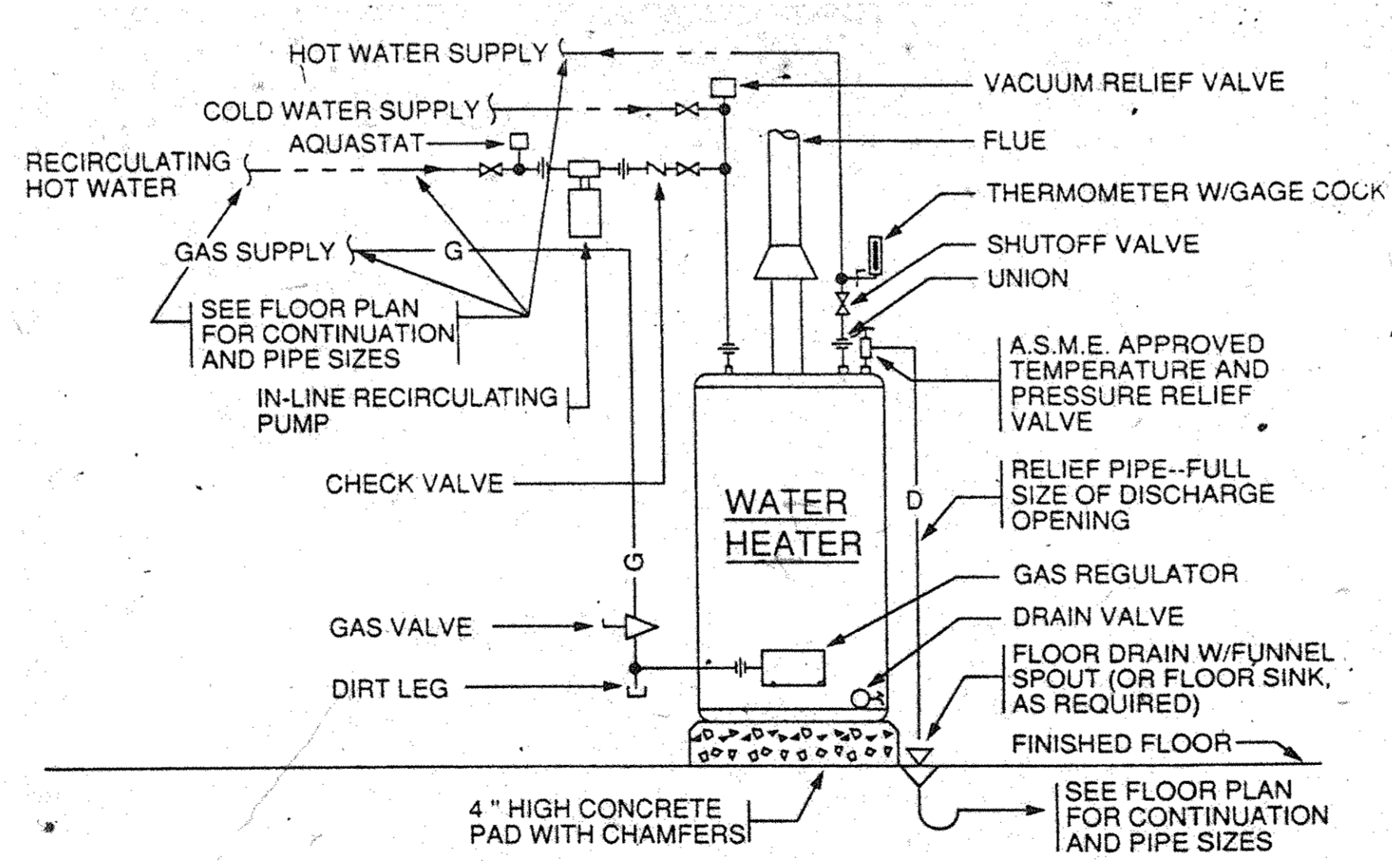


TYPICAL CELL PIPE SPACE PIPING
SCALE: 1" = 1'-0"

PUMP SCHEDULE											
EQUIPMENT	EQUIPMENT NUMBER	QTY.	QUANTITY ON EMERG.	MOTOR				CAPACITY EACH	HEAD	LOCATION	MANUFACTURER AND MODEL NO.
				HP	RPM	VOLTS	PHASE				
HOT WATER CIRCULATOR		1		1/4	1750	115	1	5 GPM	10'	NEW BUILDING 3RD FL. MER	BELL & GOSSET ITT IN-LINE SERIES 60 MODEL 1AA

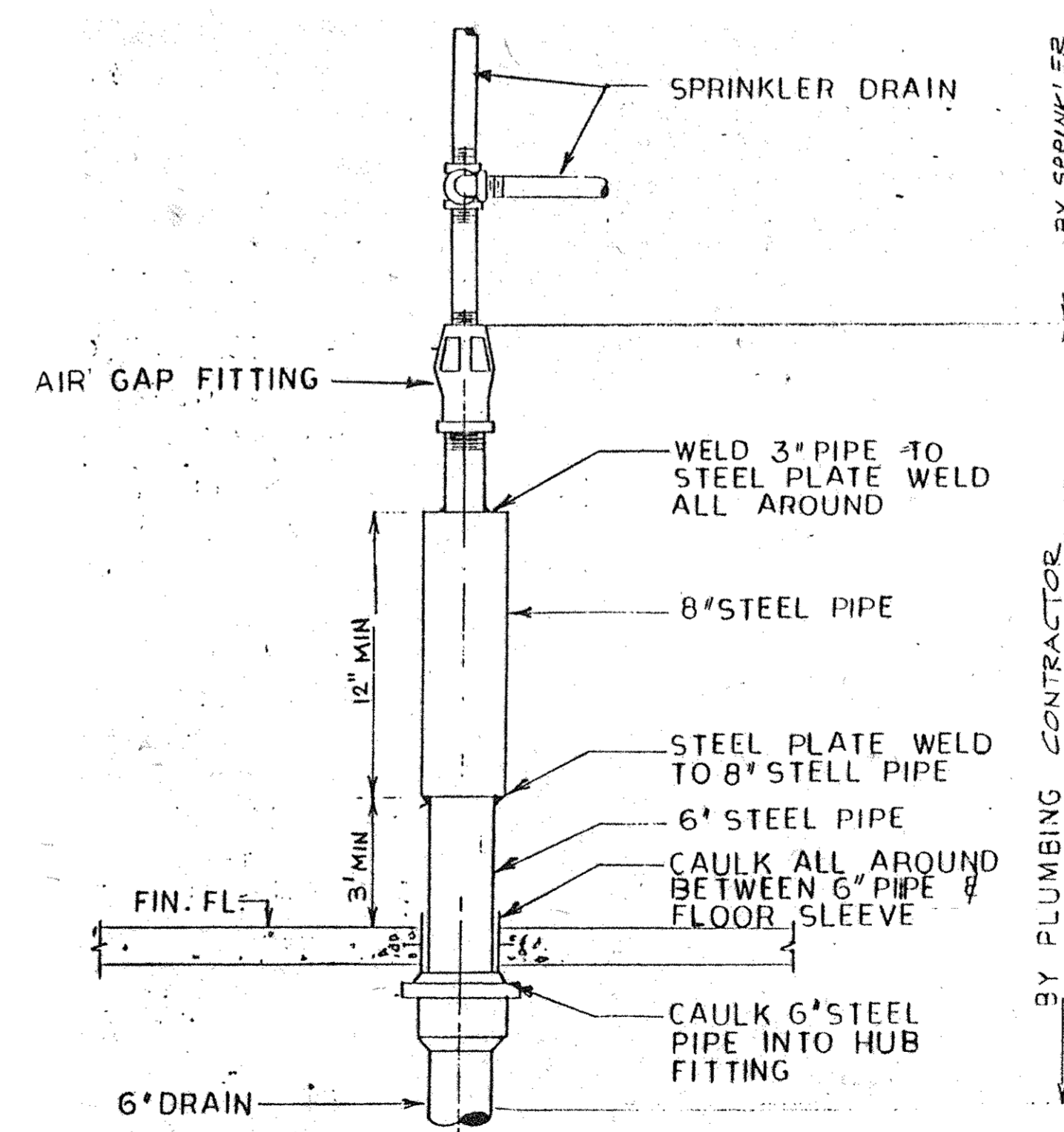
GAS FIRED STORAGE WATER HEATER SCHEDULE														
HEATER NAME	TANK SIZE		RECOVERY GPH	TEMP. IN	TEMP. OUT	GAS			ELECTRIC REQUIREMENT			LOCATION	MANUFACTURER AND MODEL NO.	
	DIAM. IN.	LENGTH IN.				INPUT BTUH	HEATING VALUE BTU/CF	CON-SUMP-TION CFH	HP	VOLT.	PH			FLUE DIAM. IN.
DOMESTIC WATER HEATER	76	105	2,000	1,500	40	120	1,200,000	1,000	1,200	2	480	3	10	NEW BUILDING 3RD FL. MER PVI POLYSHIELD SUPERTANK HORIZONTAL TURBOPOWER GAS 2000 PHE 1800A-TP

FIXTURE CONNECTION SCHEDULE					
TAG	FIXTURE	SOIL/WASTE	VENT	COLD WATER	HOT WATER
P-1P-2, P-2A	WATER CLOSET	4"	2"	1 1/2"	—
P-11	URINAL	2"	1 1/2"	1"	—
P-3	COMBO WATER CLOSET/LAVATORY	4/1 1/2"	2/1 1/2"	1 1/2"	1/2"
P-4, P-5, P-5A, P-6	LAVATORY	1 1/2"	1 1/2"	1/2"	1/2"
P-13	MOP SINK	3"	1 1/2"	1/2"	1/2"
P-8	SERVICE SINK	3"	1 1/2"	1/2"	1/2"
P-9, P-10, P-10A	SHOWER	2"	1 1/2"	1/2"	1/2"
P-7, P-7A	SINK	2"	1 1/2"	1/2"	1/2"
P-12	ELECTRIC WATER COOLER	1 1/2"	1 1/2"	1/2"	—



WATER HEATER PIPING SCHEMATIC
NO SCALE

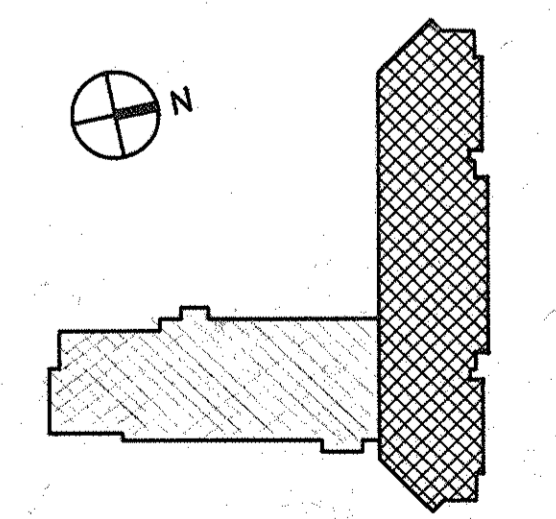
NOTE: SPECIFIED HEATER IS HORIZONTAL.



SPRINKLER STANDPIPE DRAIN
NO SCALE

2 4-28-74 P.L.B. B/D ISSUE
1 3-21-94 C.D. ULTIMATE ISSUE
No. Date Revision

Drawn By S.D. Date
Checked By M.E. Date
Issue Date
Scale AS NOTED
Key Plan



Drawing Title
PLUMBING DETAILS & SCHEDULES (NEW & EXISTING) BUILDING

GS Project No. 91-1286
R4 Project # 99301.00
Drawing No.



No.	Date	Revision
1	9-15-94	GENERAL REVISION
2	8-09-94	GENERAL REVISION
3	6-2-94	BULLDOZE #1 (MAYBE TRASH BOTTLE)
4	4-28-94	PLUG BLD ISSUE
5	3-21-94	CAT ESTIMATE ISSUE

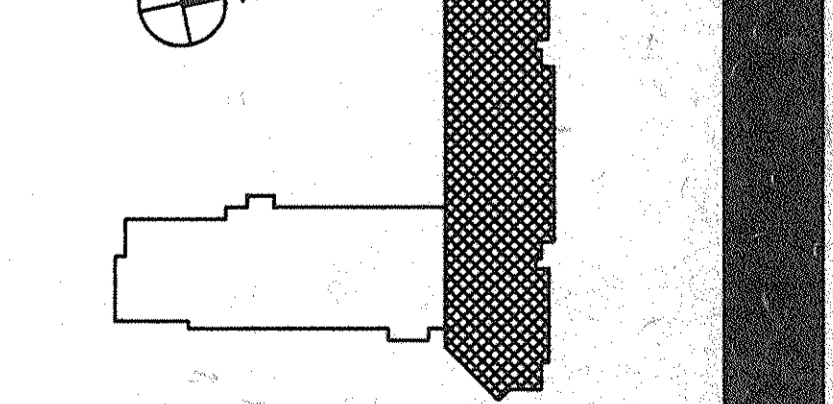
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Checked By M.E. Date

Issue Date

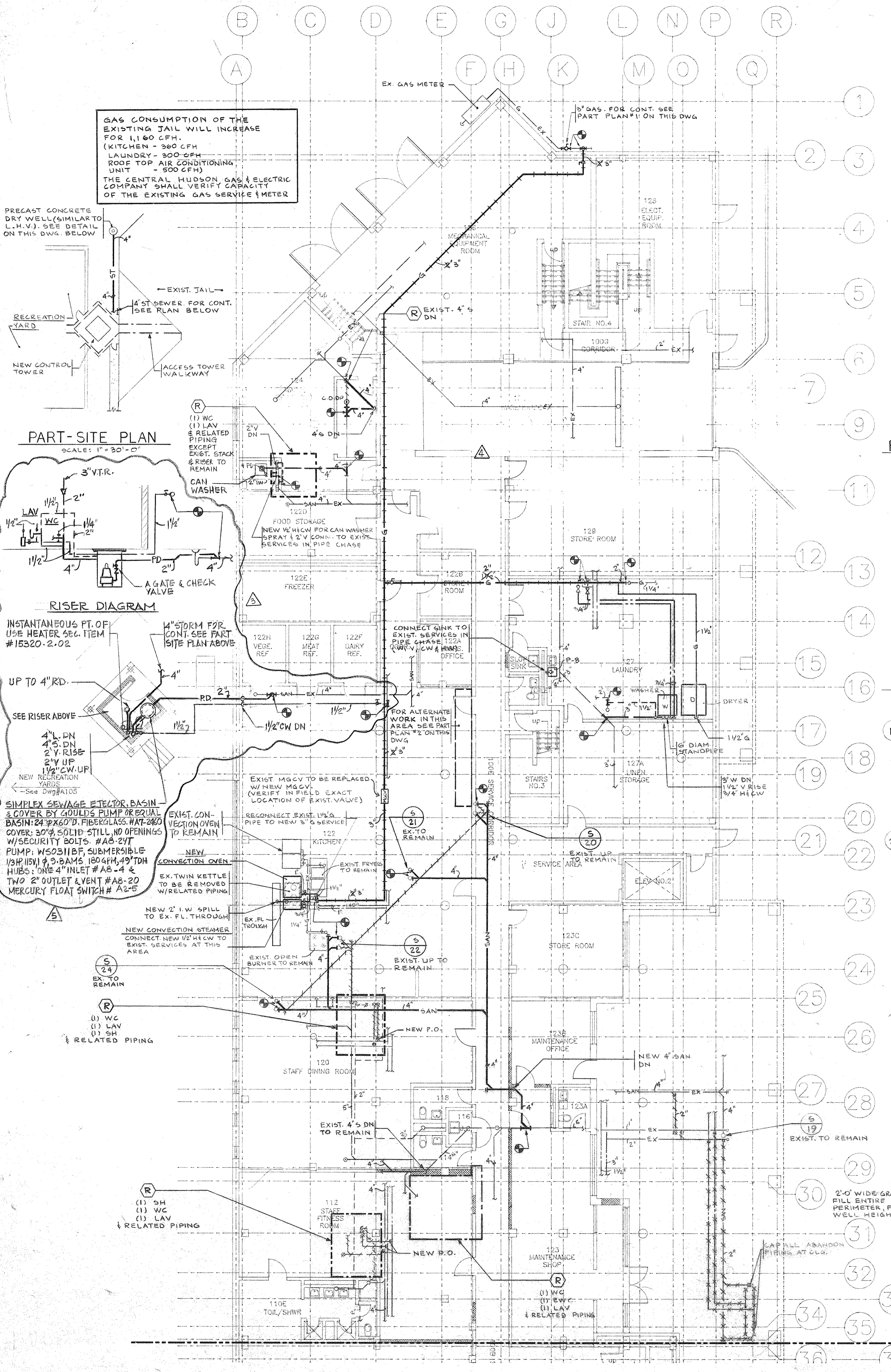
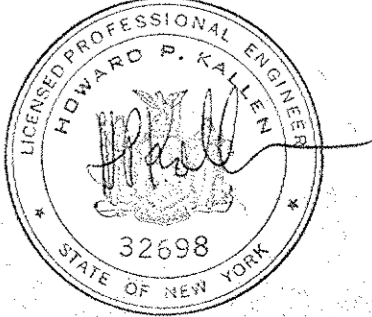
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Key Plan



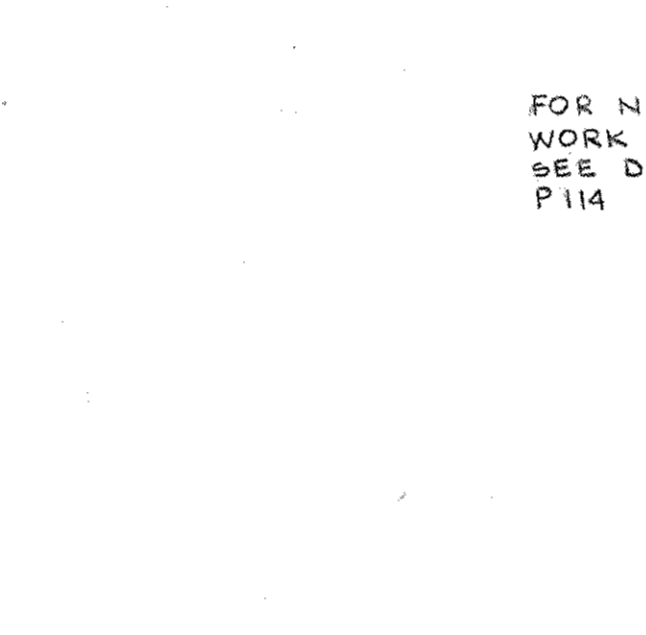
Drawing Title
**EXISTING JAIL
FIRST FLOOR
PLUMBING PLAN**

CS Project No. 91-1286
RA Project # 9901.00
Drawing No.

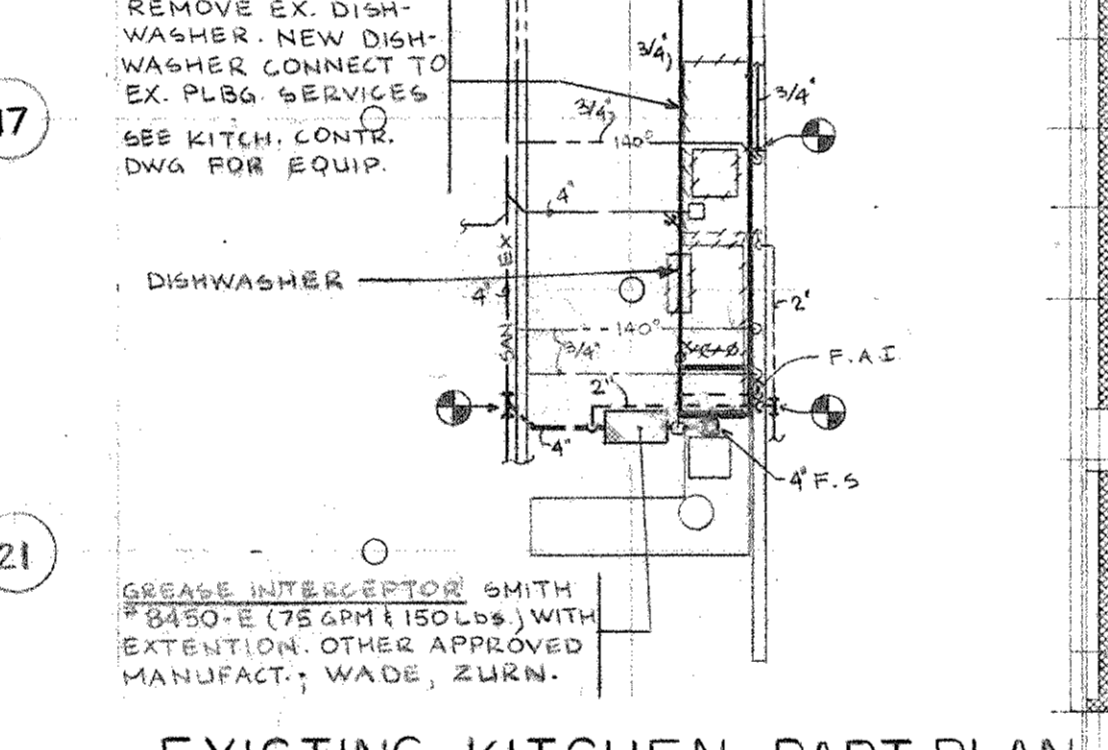


GAS CONSUMPTION OF THE EXISTING JAIL WILL INCREASE FOR 1,160 CFH.
(KITCHEN - 360 CFH
LAUNDRY - 300 CFH
ROOF TOP AIR CONDITIONING UNIT - 500 CFH)
THE CENTRAL HUDSON GAS & ELECTRIC COMPANY SHALL VERIFY CAPACITY OF THE EXISTING GAS SERVICE & METER

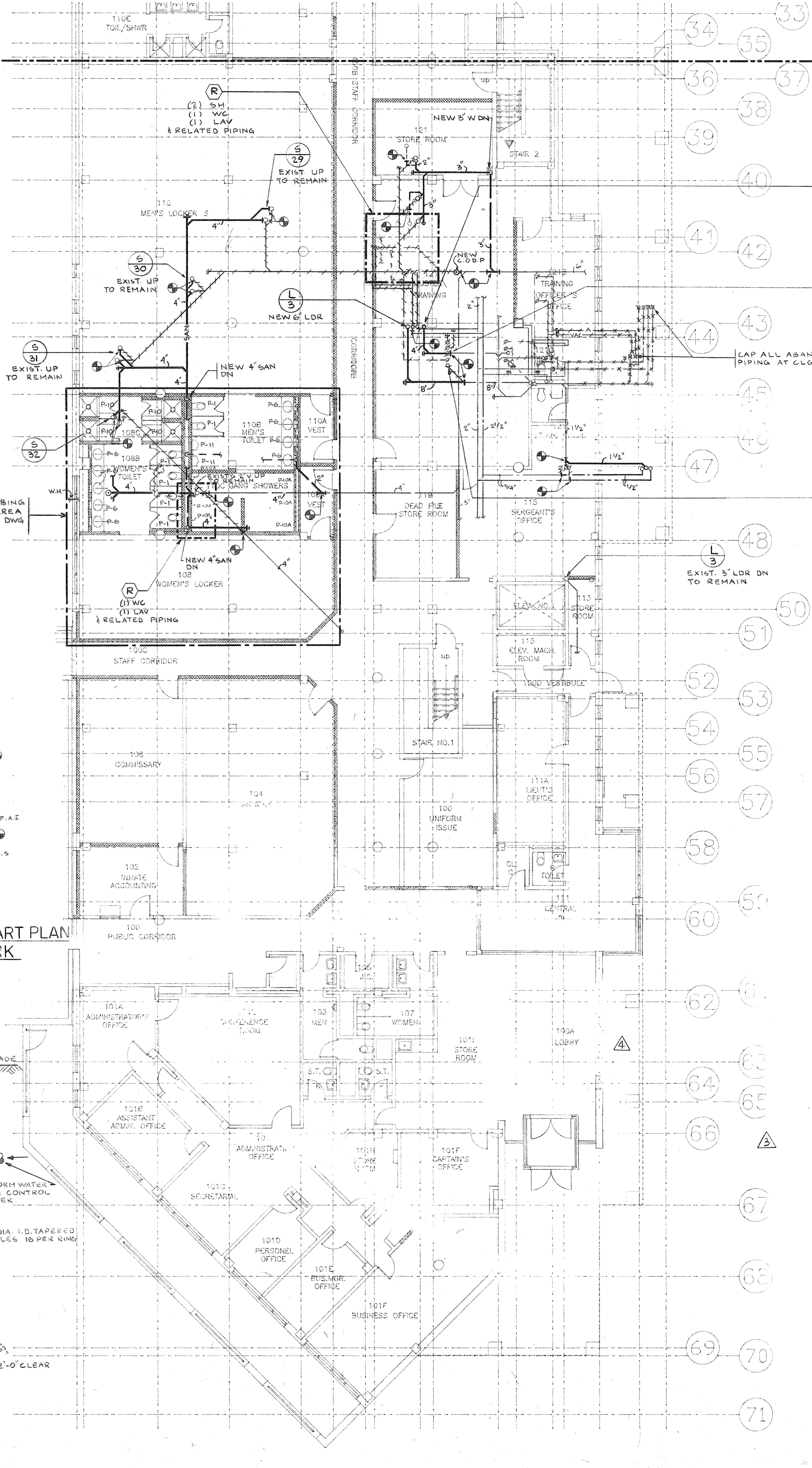
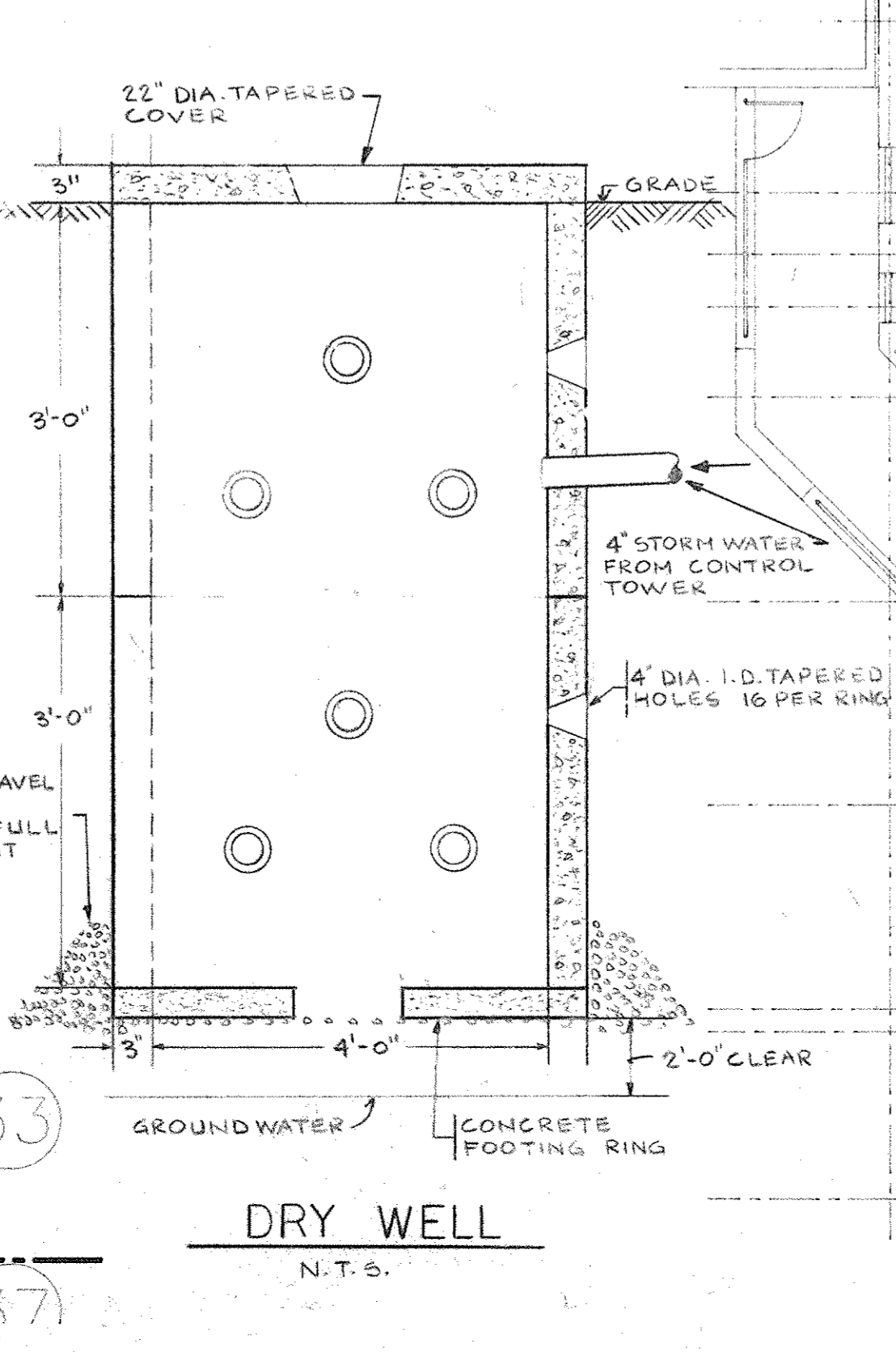
EXISTING JAIL - PART PLAN
SCALE: 1" = 60"



EXISTING KITCHEN - PART PLAN ALTERNATE WORK
SCALE: 1/8" = 1'-0"



DRY WELL
N.T.S.



Dutchess County Jail

Phase 3 Addition & Renovations
150 N. Hamilton St.
Poughkeepsie, N.Y. 12602

Owner
County of Dutchess
Department of Public Works
22 Market Street
Poughkeepsie, N.Y. 12601
Fax 914/431-1869
Tel 914/431-2121

Construction Manager
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Fax 914/831-0943
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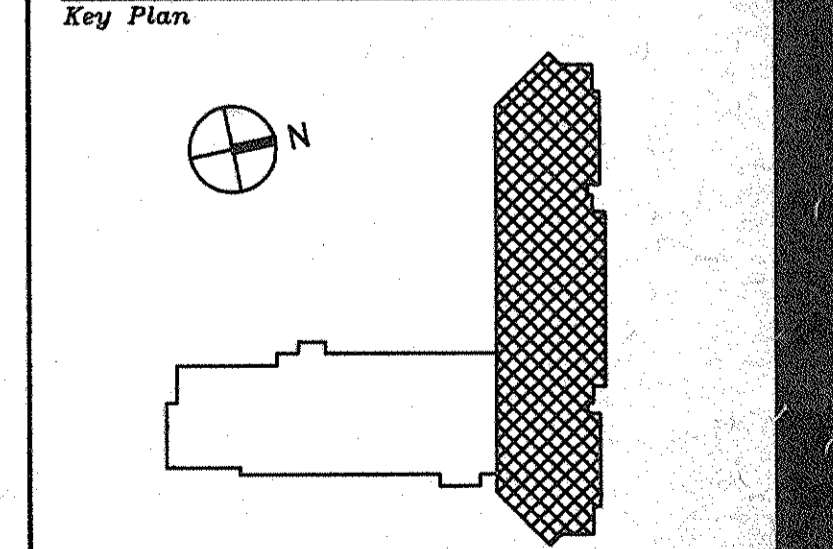
Mechanical/Electrical Engineers
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Civil Engineers
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Tel 914/471-7898

No.	Date	Revision
1	10-19-94	CLARIFIED NOTE TO DENTAL EQUIPMENT
2	8-09-94	GENERAL REVISION
3	4-28-94	PLUMBING BID ISSUE
4	3-21-94	CAT STRIKE ISSUE

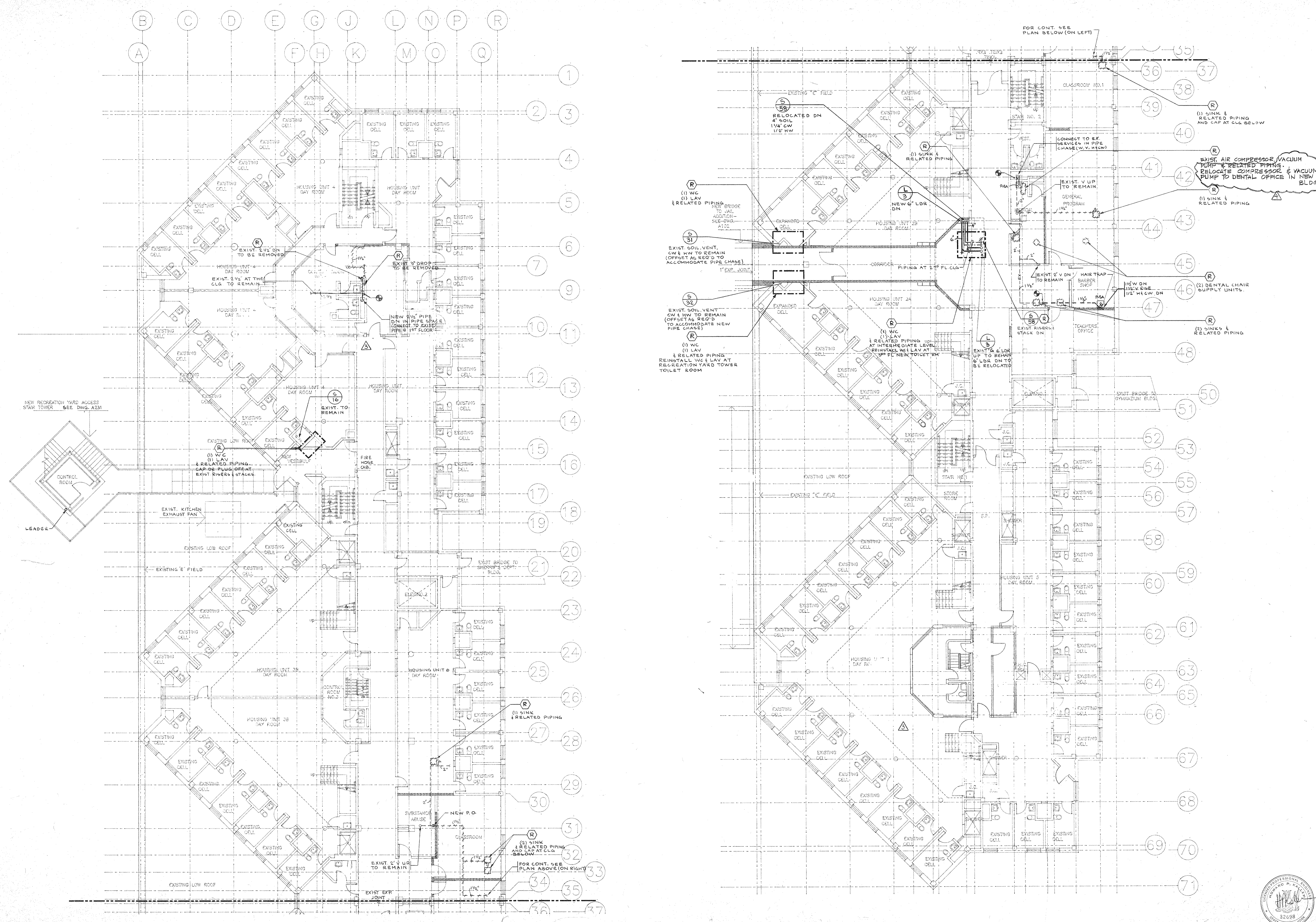
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Checked By: _____ Date: _____
Issue Date: _____

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



**EXISTING JAIL
SECOND FLOOR
PLUMBING PLAN**

Drawing Title
CS Project No. 91-1286
RA Project # 9901.00
Drawing No.



Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602

Owner
 County of Dutchess
 Department of Public Works
 22 Market Street
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No.	Date	Revision
1	8-09-94	GENERAL REVISION
2	4-28-94	PLBG BID ISSUE
3	3-21-94	C&T ESTIMATE ISSUE

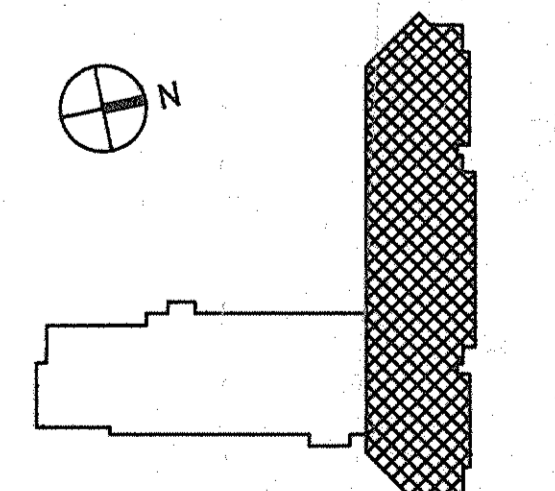
Drawn By S.D. Date

Checked By M.E. Date

Issue Date

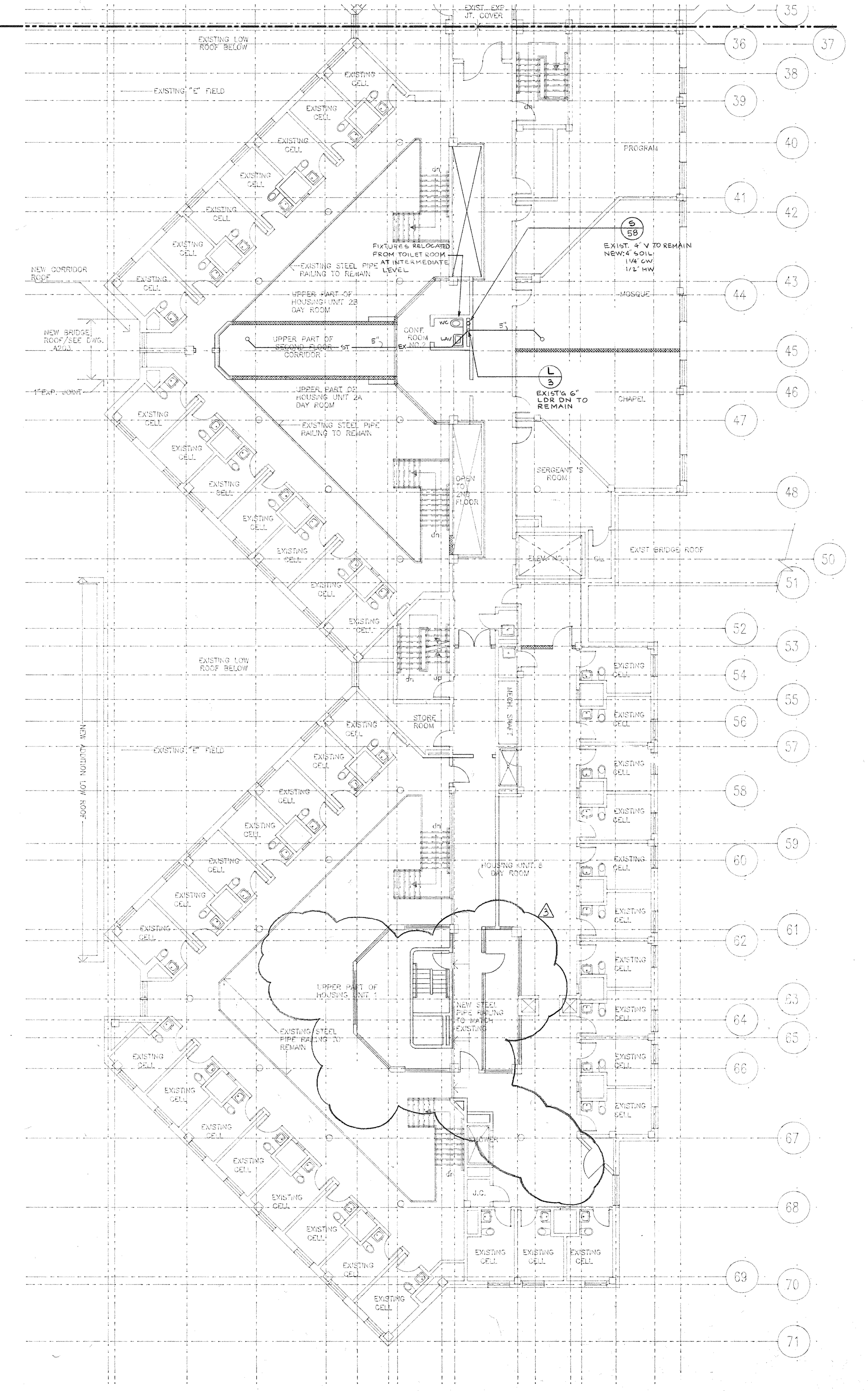
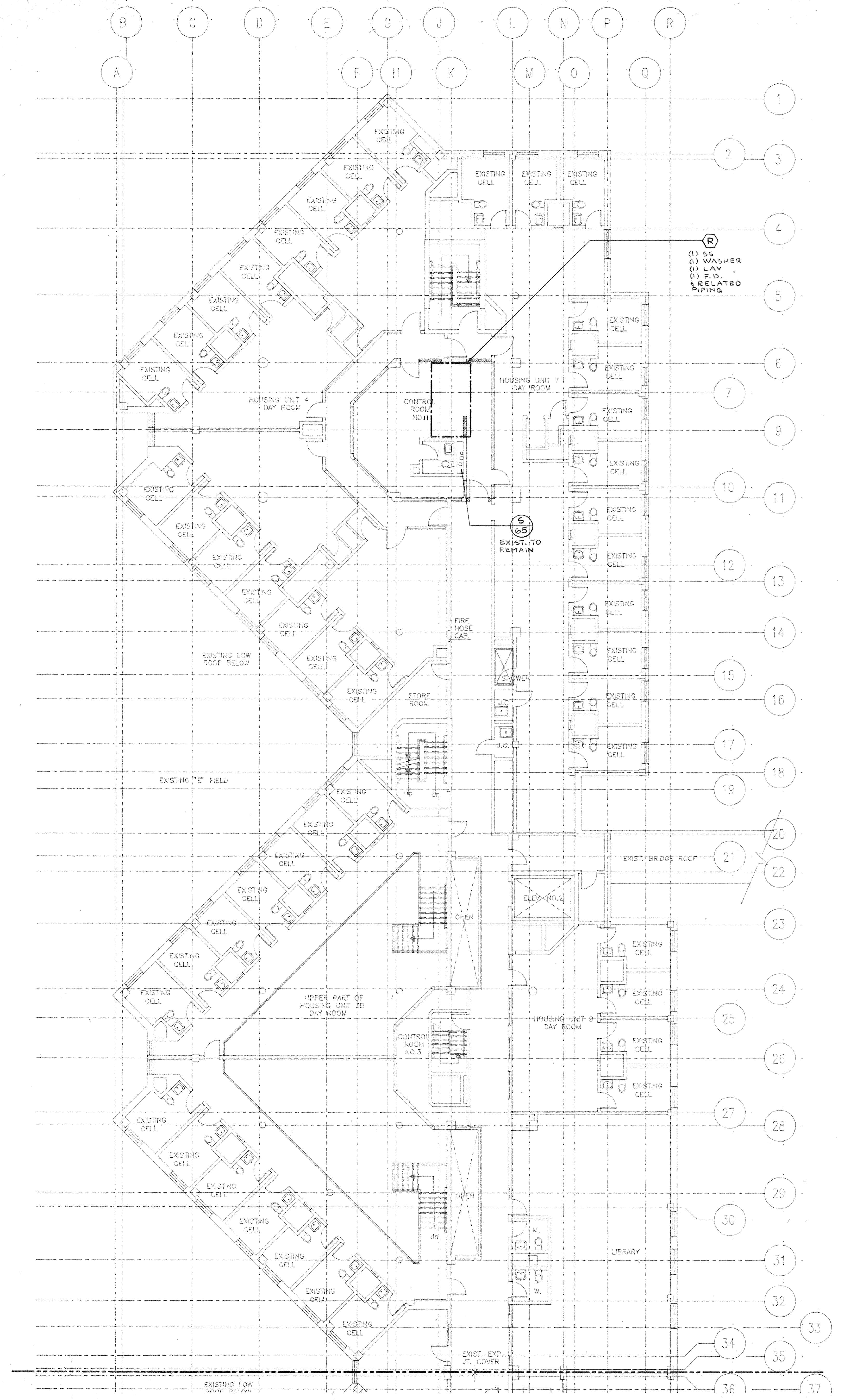
Scale 1/8" = 1'-0"

Key Plan



Drawing Title
**EXISTING JAIL
 THIRD FLOOR
 PLUMBING PLAN**

CS Project No. 91-1286
 RA Project # 9901.00
 Drawing No.



FIRE PROTECTION SYMBOLS AND ABBREVIATIONS

SYMBOL	DESCRIPTION
— F —	FIRE STANDPIPE
— FSP —	COMBINED FIRE STANDPIPE AND SPRINKLER PIPING
— SP —	SPRINKLER PIPING
— DR —	DRAIN PIPING
— EX —	EXISTING PIPING TO REMAIN
//////	REMOVE EXISTING PIPING
⊕	LIMIT OF WORK, CONNECT TO EXISTING
⊖	CUT (DISCONNECT) AND CLOSE
○	PIPE UP UNLESS OTHERWISE NOTED
⊖	PIPE DROP UNLESS OTHERWISE NOTED
SYSTEM No. Ⓢ	RISER DESIGNATION
→	DIRECTION OF FLOW
—]	CAP
—	BLIND FLANGE
⊕	CENTER LINE
— ○ —	EXISTING SPRINKLER HEAD TO REMAIN
— ⊗ —	EXISTING SPRINKLER HEAD TO BE REMOVED
— ○ —	UPRIGHT OR PENDENT SPRINKLER HEAD EXPOSED
— ⊗ —	UPRIGHT OR PENDENT SPRINKLER HEAD BELOW DUCT
— ● —	CONCEALED SPRINKLER HEAD
— ○ —	PENDENT INSTITUTIONAL SPRINKLER HEAD
(212°)	SPRINKLER HEAD TEMPERATURE RATING (HIGHER THAN ORDINARY)
— ⊕ —	CONCEALED SIDEWALL SPRINKLER HEAD
— ⊕ —	DRY PENDENT 45° SPRINKLER HEAD
— ⊗ —	CONTROL VALVE
— ⊗ —	NEW CONTROL VALVE WITH TAMPER SWITCH
— ⊗ —	EXISTING CONTROL VALVE WITH TAMPER SWITCH
— ⊕ —	CHECK VALVE
— ⊕ —	RISER CONTROL VALVE
— TC —	INSPECTOR'S TEST CONNECTION
— FHC 'A' —	2-1/2" FIRE HOSE VALVE WITH CAP AND CHAIN IN CABINET
— FHC 'B' —	1-1/2" FIRE HOSE VALVE WITH HOSE ON RACK (FIRST AID) IN CABINET

SYMBOL	DESCRIPTION
— / —	ECCENTRIC REDUCER
⊖	OPEN SIGHT CONE
⊖	ENCLOSED SIGHT CONE
⊕	PRESSURE GAUGE
— FCA —	SPRINKLER FLOOR CONTROL ASSEMBLY
— ● —	AUTOMATIC BALL DRIP
— ⊕ —	NEW WATER FLOW SWITCH
— ⊕ —	EXISTING WATER FLOW SWITCH
— ⊕ —	ROOF MANIFOLD
⊕	EXISTING SPRINKLER SYSTEM TO REMAIN
— FDC —	FIRE DEPARTMENT CONNECTION
— DCV —	DOUBLE CHECK VALVE
— SDP —	STANDPIPE DRAIN
— AR —	AUTOMATIC AIR RELEASE VALVE
— CR —	CASING RELIEF VALVE
— RV —	RELIEF VALVE
— —	UNION
— —	FLOW DRIFICE
— www —	FLEXIBLE CONNECTOR
— ▷ —	CONCENTRIC REDUCER
UL	UNDERWRITER'S LABORATORY

DELETE SPEC. PARAGRAPH 15500.3.02.B (REQUIREMENTS FOR SPRINKLER LOCATION IN THE CENTER OF CEILING TILE)

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
 Poughkeepsie, N.Y. 12602
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 Tel 914/431-2121
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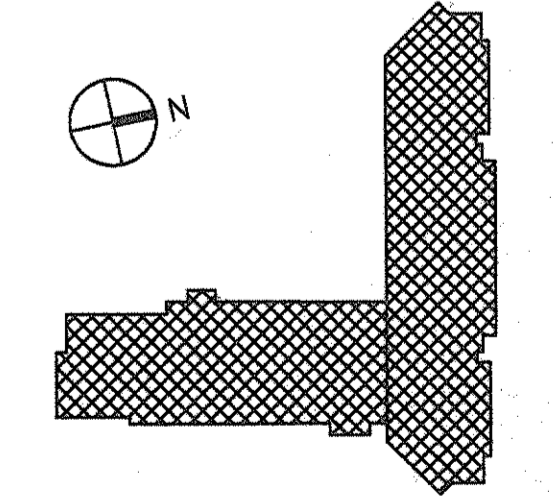
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Civil Engineers
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No.	Date	Revision
1	3-21-94	COST ESTIMATE ISSUE
2	4-28-94	PL&G B/D ISSUE
3	8-09-94	GENERAL REVISION

Drawn By S.D. Date
 Checked By M.E. Date
 Issue Date
 Scale NONE
 Key Plan



Drawing Title
FIRE PROTECTION SYMBOLS AND ABBREVIATIONS



GS Project No. 81-1288
 RA Project # 80501.00
 Drawing No.

FP 100

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
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No.	Date	Revision
2	4-28-94	PL86 BID ISSU
1	3-21-94	CON ESTIMATE ISSUE

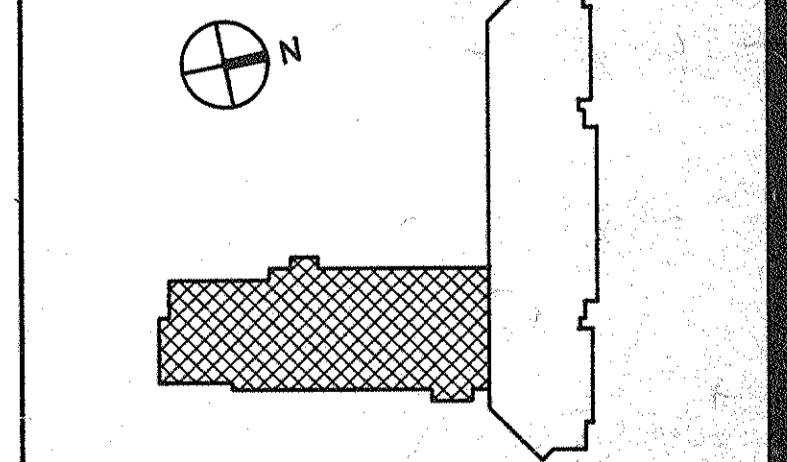
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Checked By M.E. Date

Issue Date

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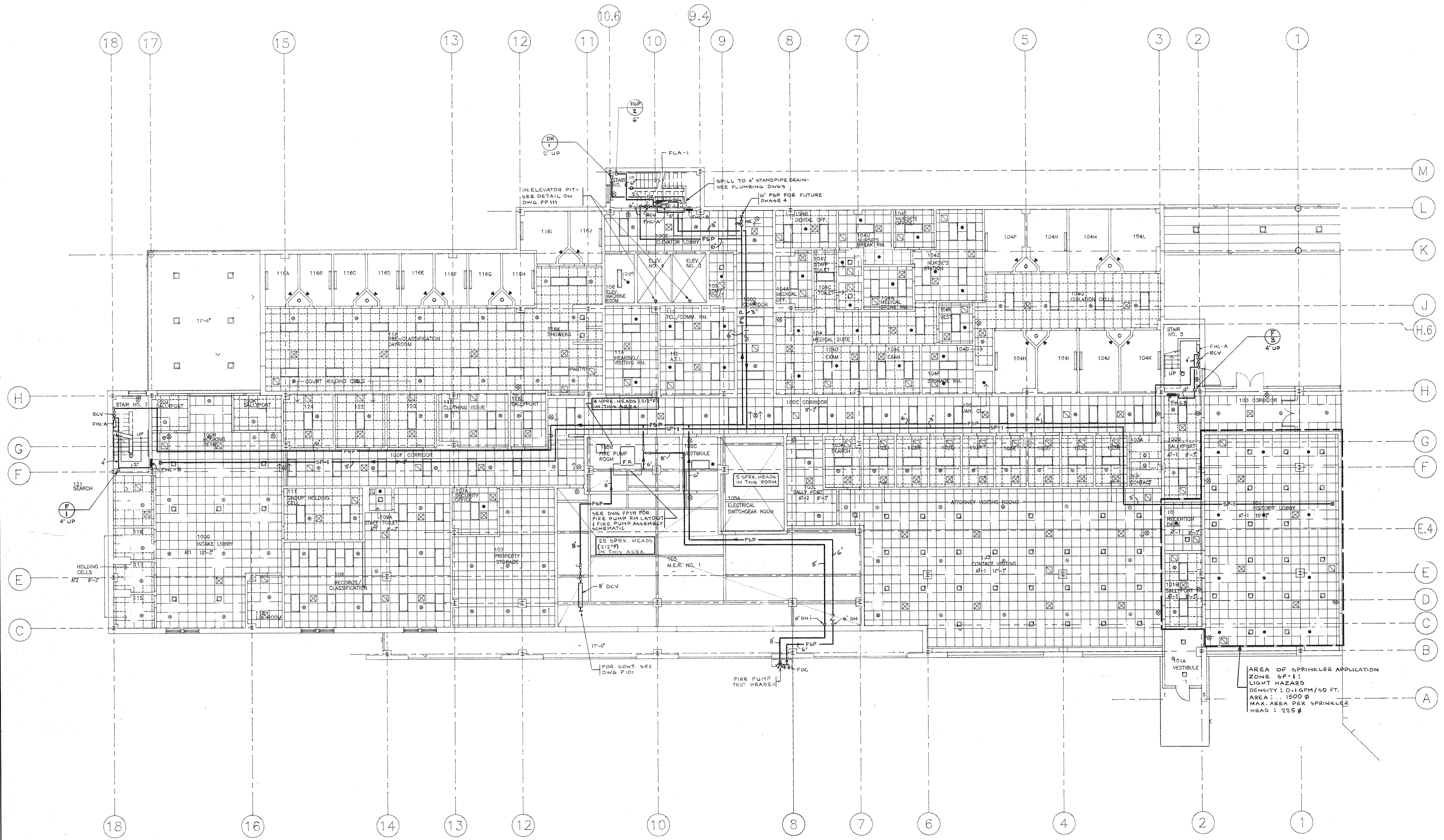
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Drawing Title
**NEW BUILDING
 FIRST FLOOR
 FIRE PROTECTION
 PLAN**

CS F 1001 No. 91-1286
 RA Project # 89301.00
 Drawing No.

FP101 13N



Dutchess County Jail

Phase 3 Addition & Renovations
150 N. Hamilton St.
Poughkeepsie, N.Y. 12602

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Tel 914/471-7898

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1	3-21-94	CDT	ESTIMATE ISSUE
No.	Date	Revision	

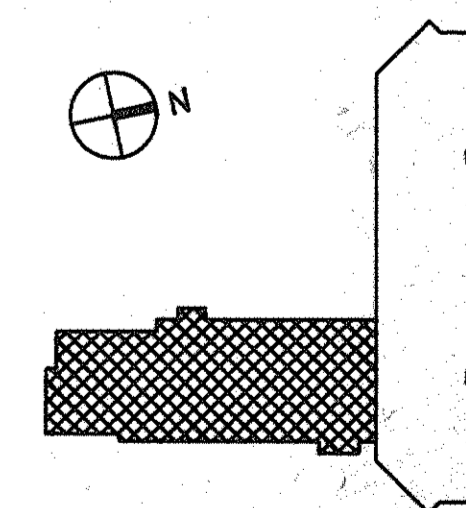
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Key Plan:

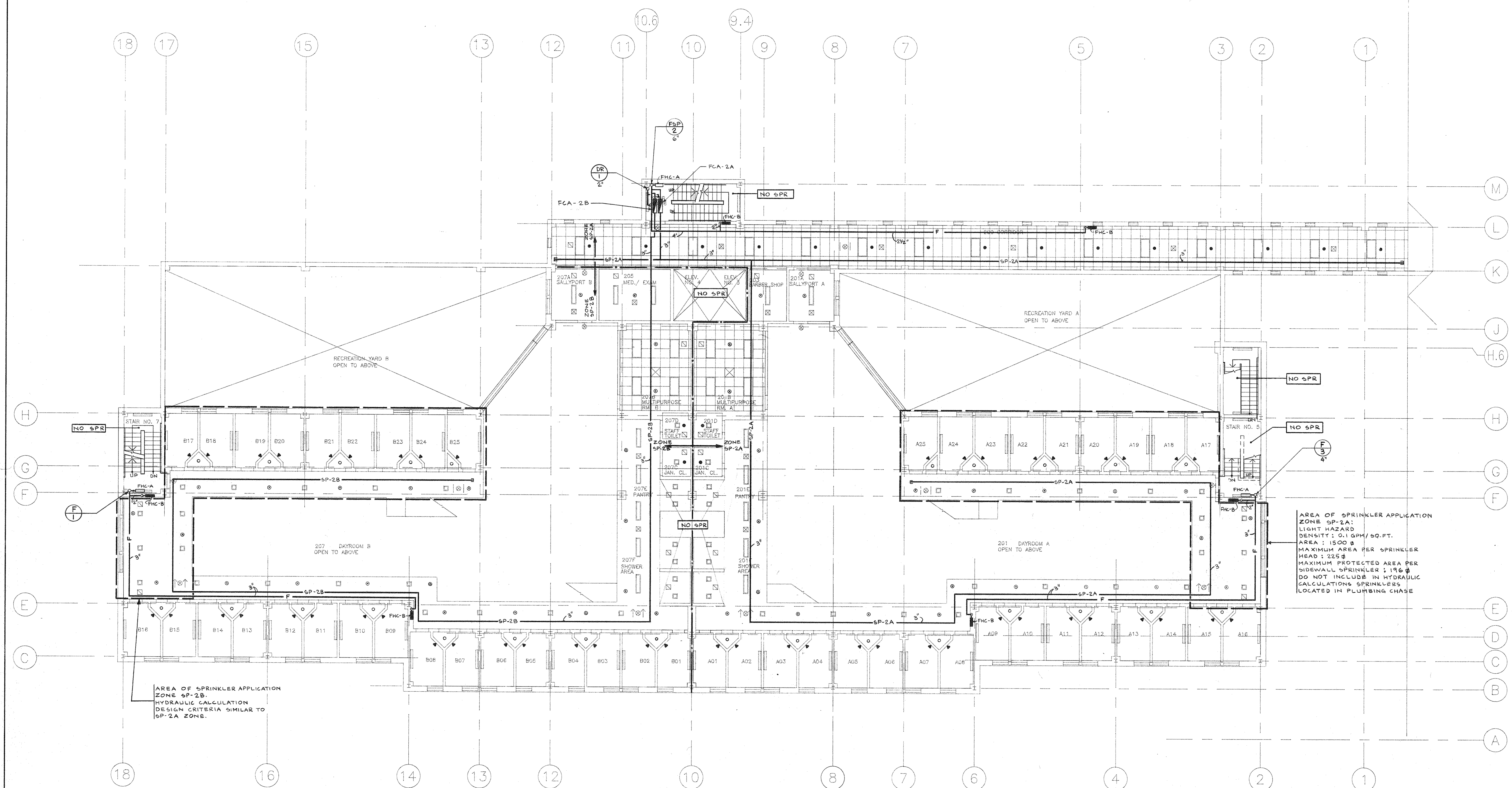


Drawing Title:

**NEW BUILDING
SECOND FLOOR
FIRE PROTECTION
PLAN**

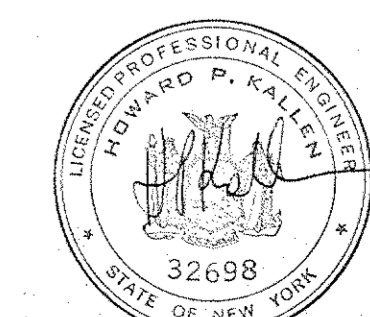
CS Project No. 91-1286
RA Project # 98301.00
Drawing No.

FP102



AREA OF SPRINKLER APPLICATION
ZONE SP-2B.
HYDRAULIC CALCULATION
DESIGN CRITERIA SIMILAR TO
SP-2A ZONE.

AREA OF SPRINKLER APPLICATION
ZONE SP-2A:
LIGHT HAZARD
DENSITY: 0.1 GPM/SQ.FT.
AREA: 1500 sq.
MAXIMUM AREA PER SPRINKLER
HEAD: 225 sq.
MAXIMUM PROTECTED AREA PER
SIDEWALL SPRINKLER: 196 sq.
DO NOT INCLUDE IN HYDRAULIC
CALCULATIONS SPRINKLERS
LOCATED IN PLUMBING CHASE



Dutchess County Jail

Phase 3 Addition & Renovations
150 N. Hamilton St.
Poughkeepsie, N.Y. 12602

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No.	Date	Revision
2	4-28-94	PLBG BID ISSU
1	3-21-94	CAT ESTIMATE ISSUE

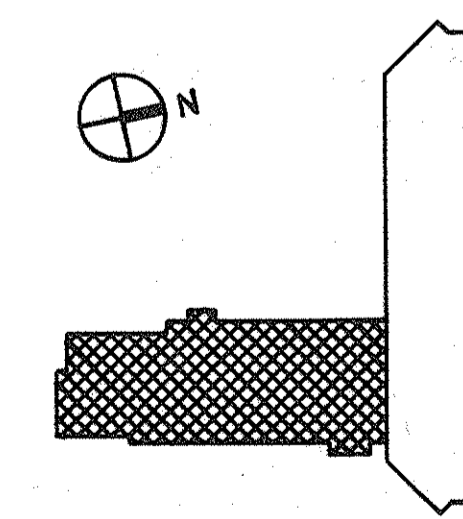
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Checked By: M. E. Date: _____

Issue Date: _____

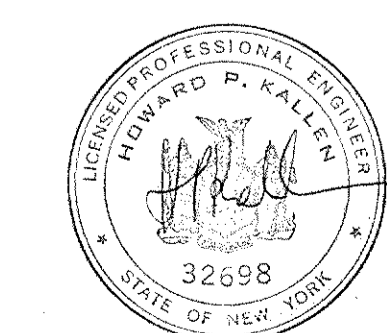
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Key Plan

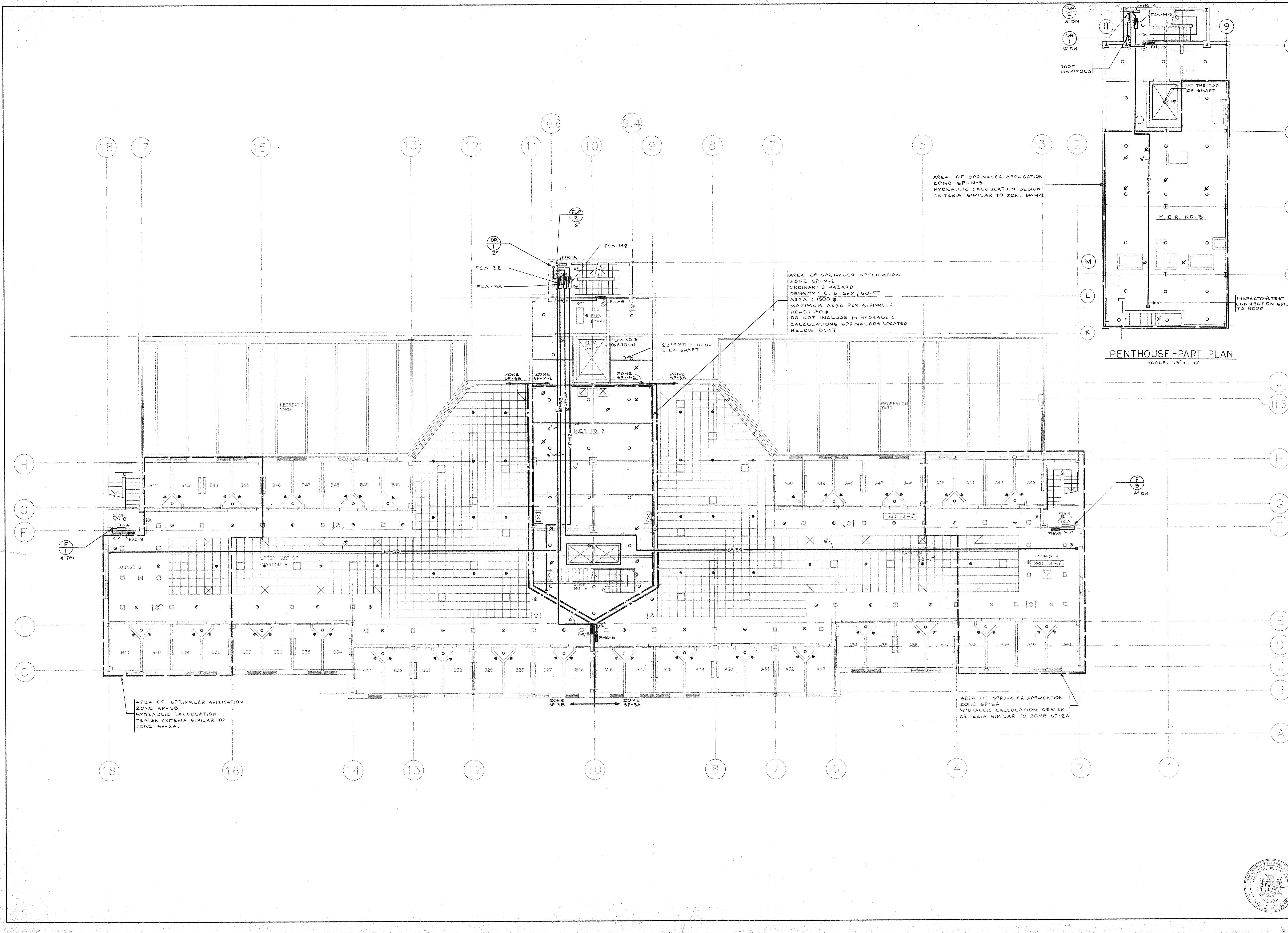


**NEW BUILDING
THIRD FLOOR
FIRE PROTECTION
PLAN**

CS Project No. 91-1286
R4 Project # 99301.00
Drawing No.



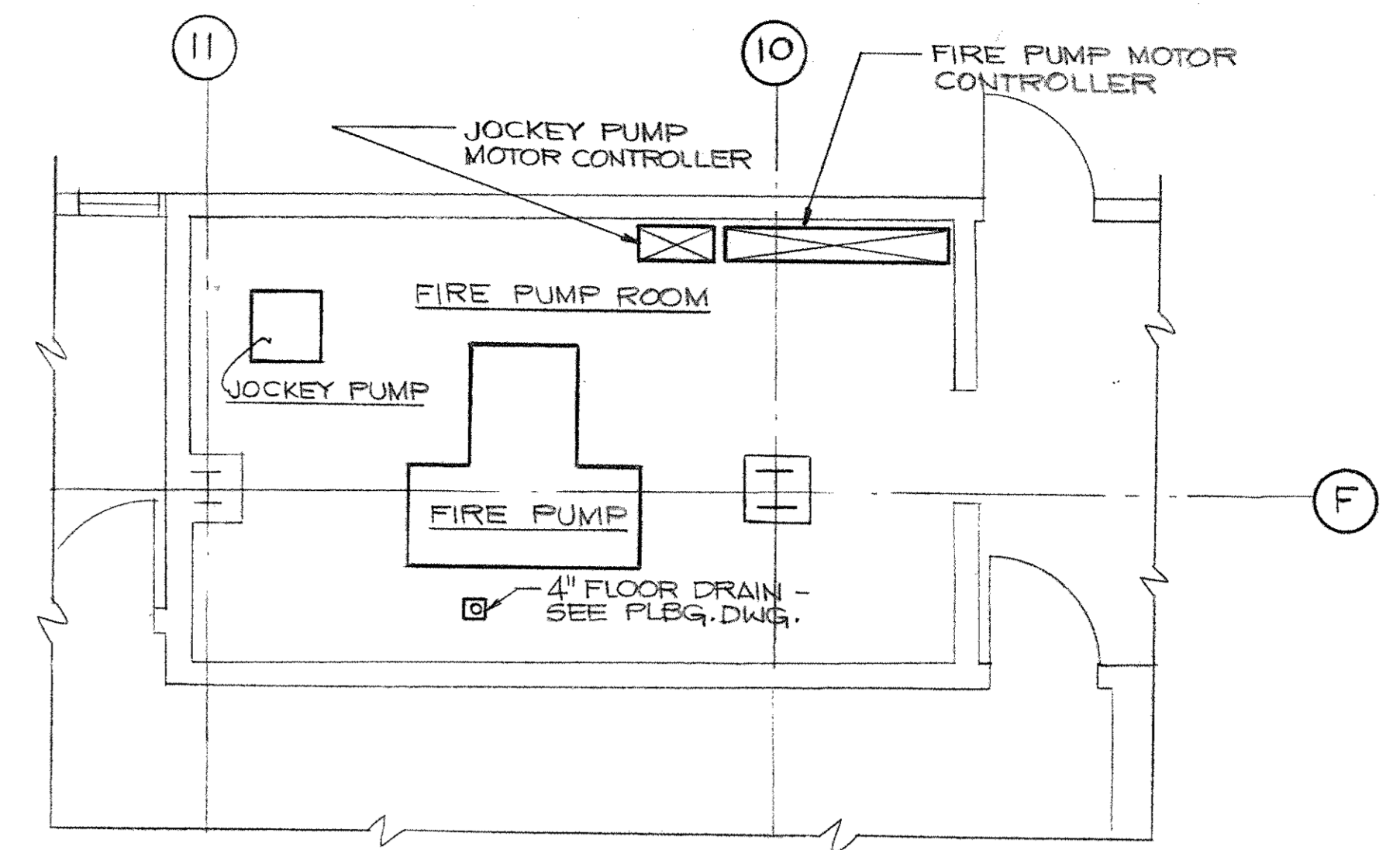
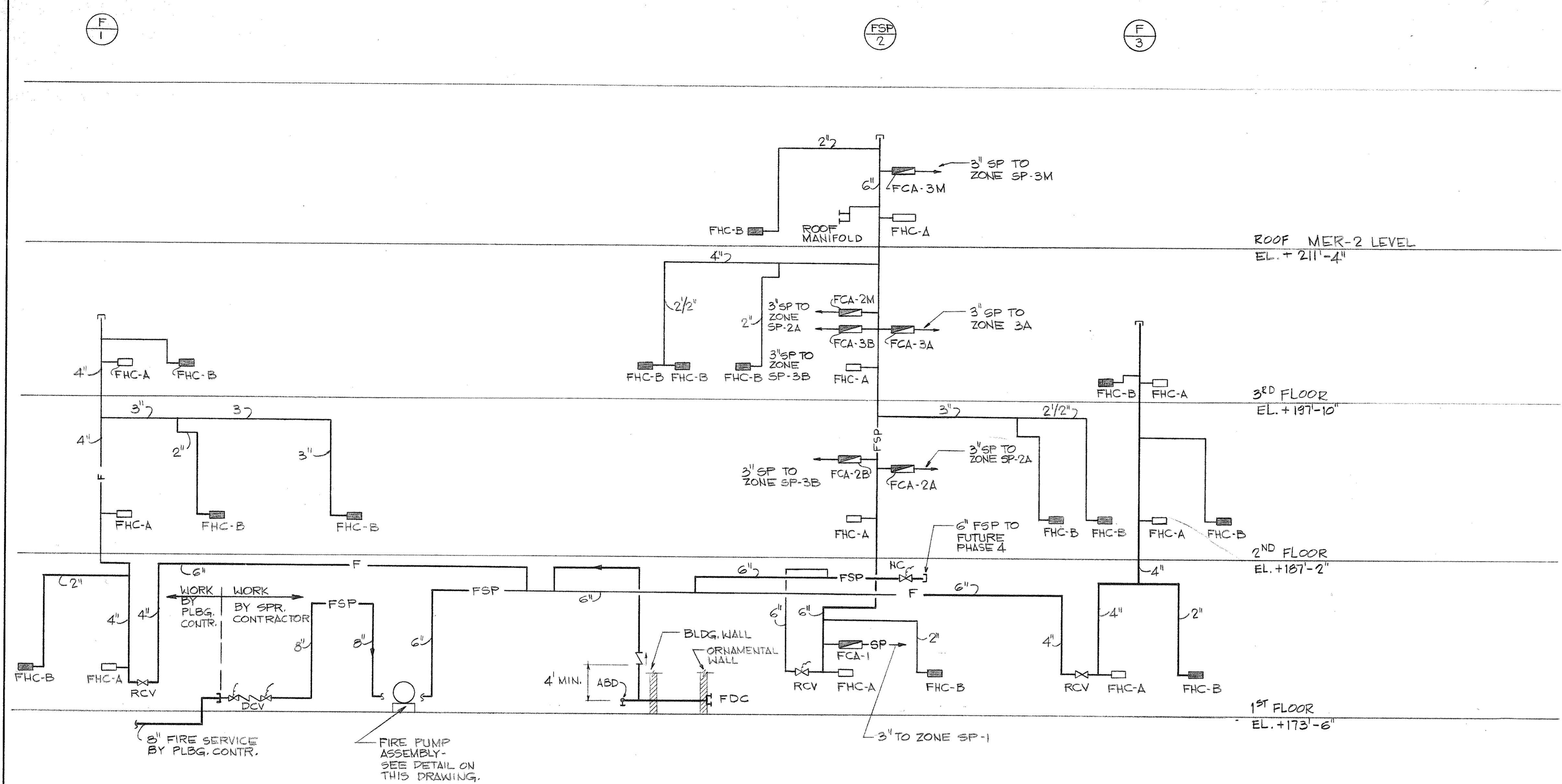
FP103 13N



Dutchess County Jail
 Phase 3 Addition & Renovations
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FIRE PUMP SCHEDULE													
EQUIPMENT	EQUIP	QUANTITY	MOTOR			RATED CAP GPM	HEAD FT	LOCATION	SIMILAR TO (MANUFACT. & MODEL)	REMARKS			
			TOTAL	EMERG	HP						RPM	VOLTS/PH	
AUTOMATIC FIRE PUMP	-	1	1	1	40	1760	480	3	1000	104	FIRE PUMP RM, 1ST FLOOR	FEERLESS 6 AEF 14	SHUT-OFF PRESSURE 52 PSI
JOCKEY PUMP	-	1	1	1	1	3450	480	3	10	115	FIRE PUMP RM, 1ST FLOOR	GRUNDFOS CR2-40	

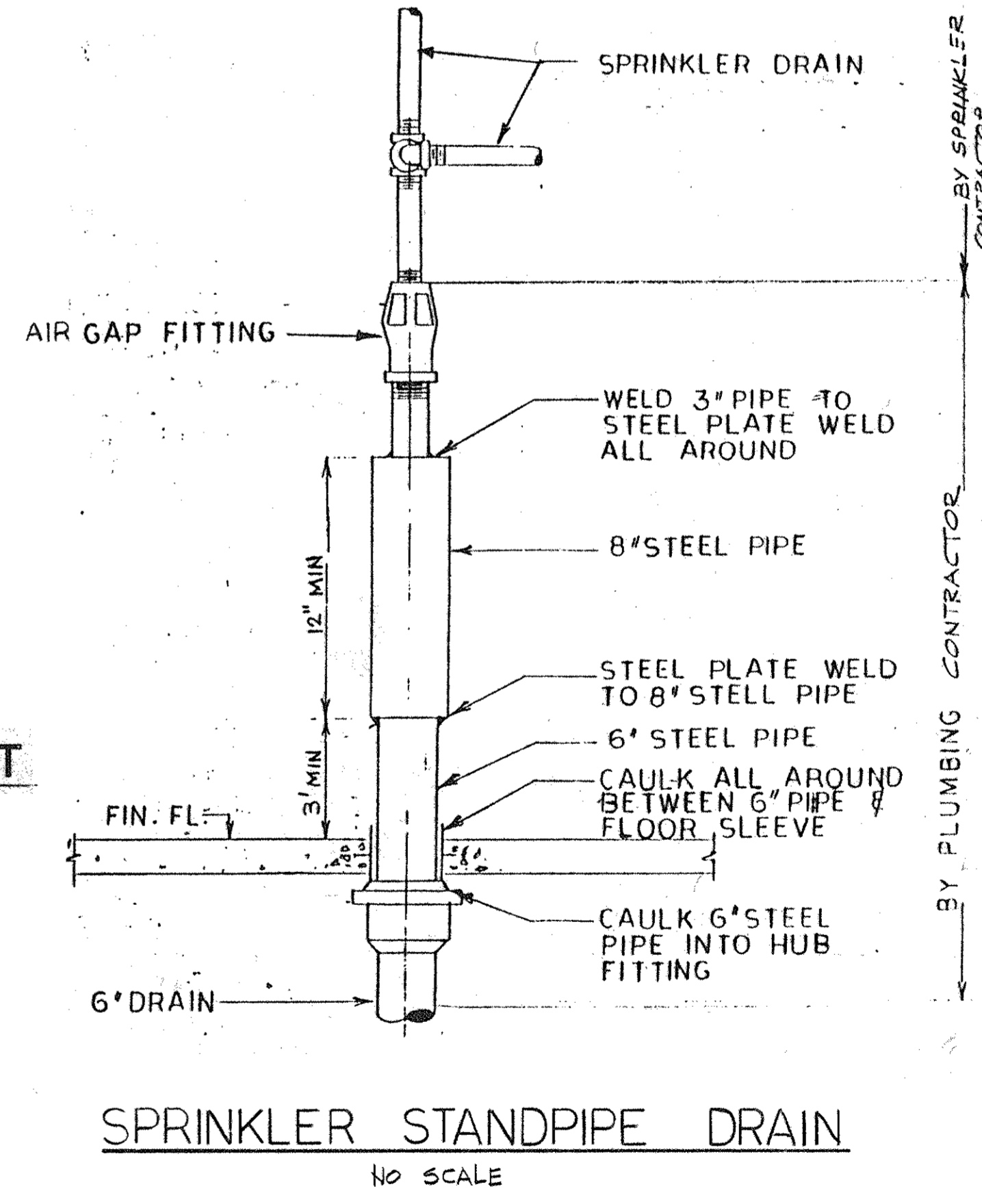
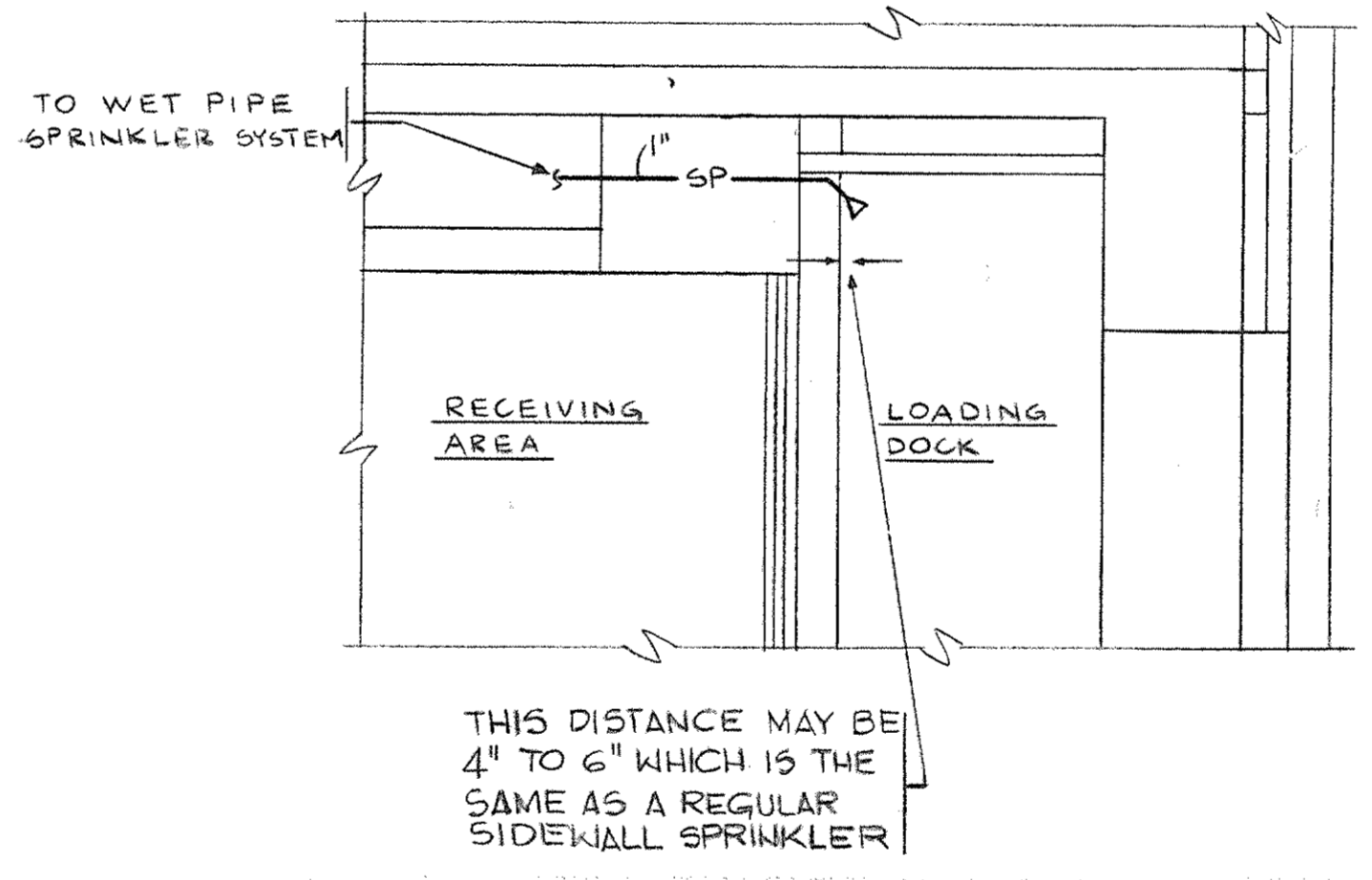
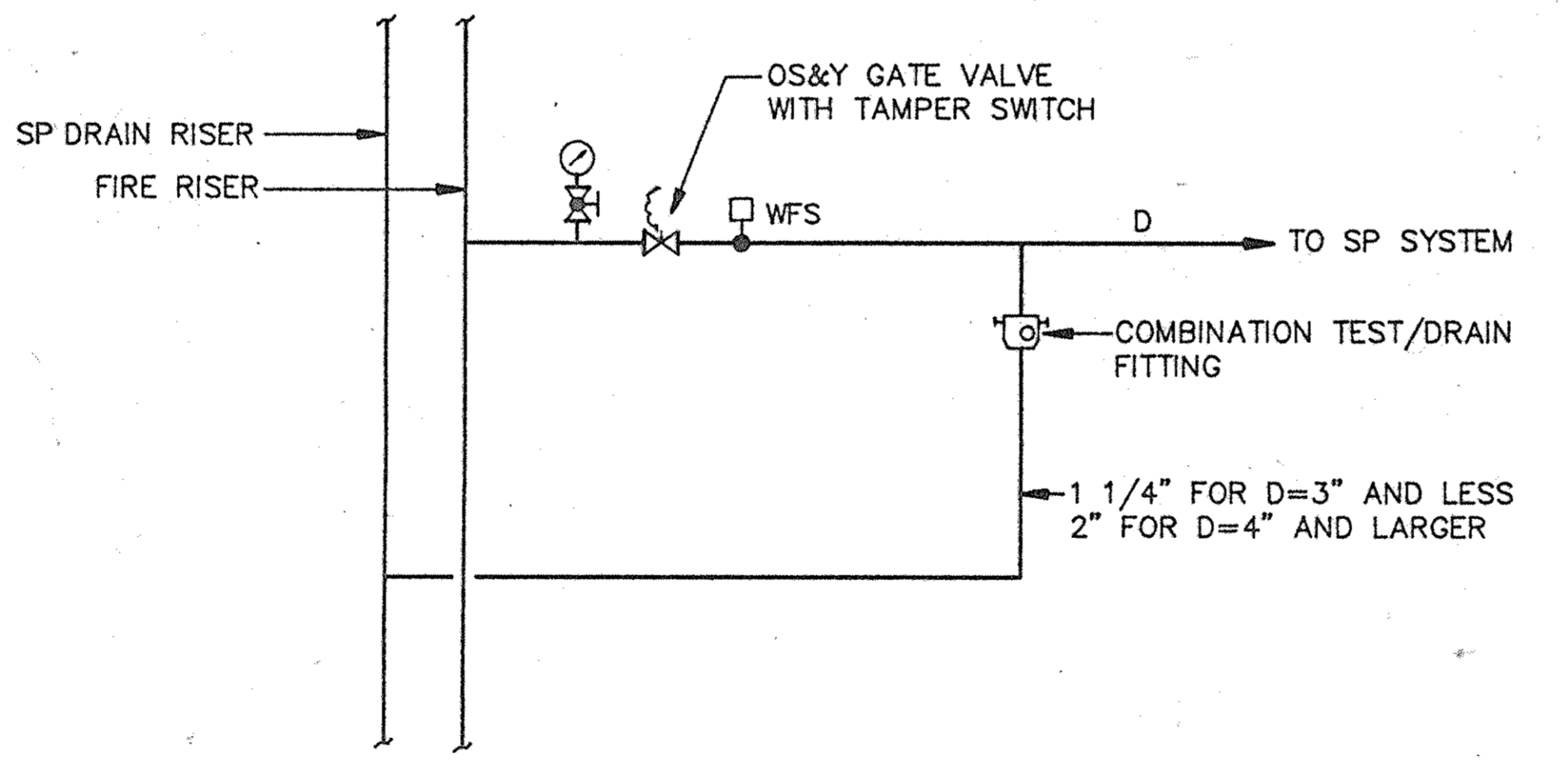
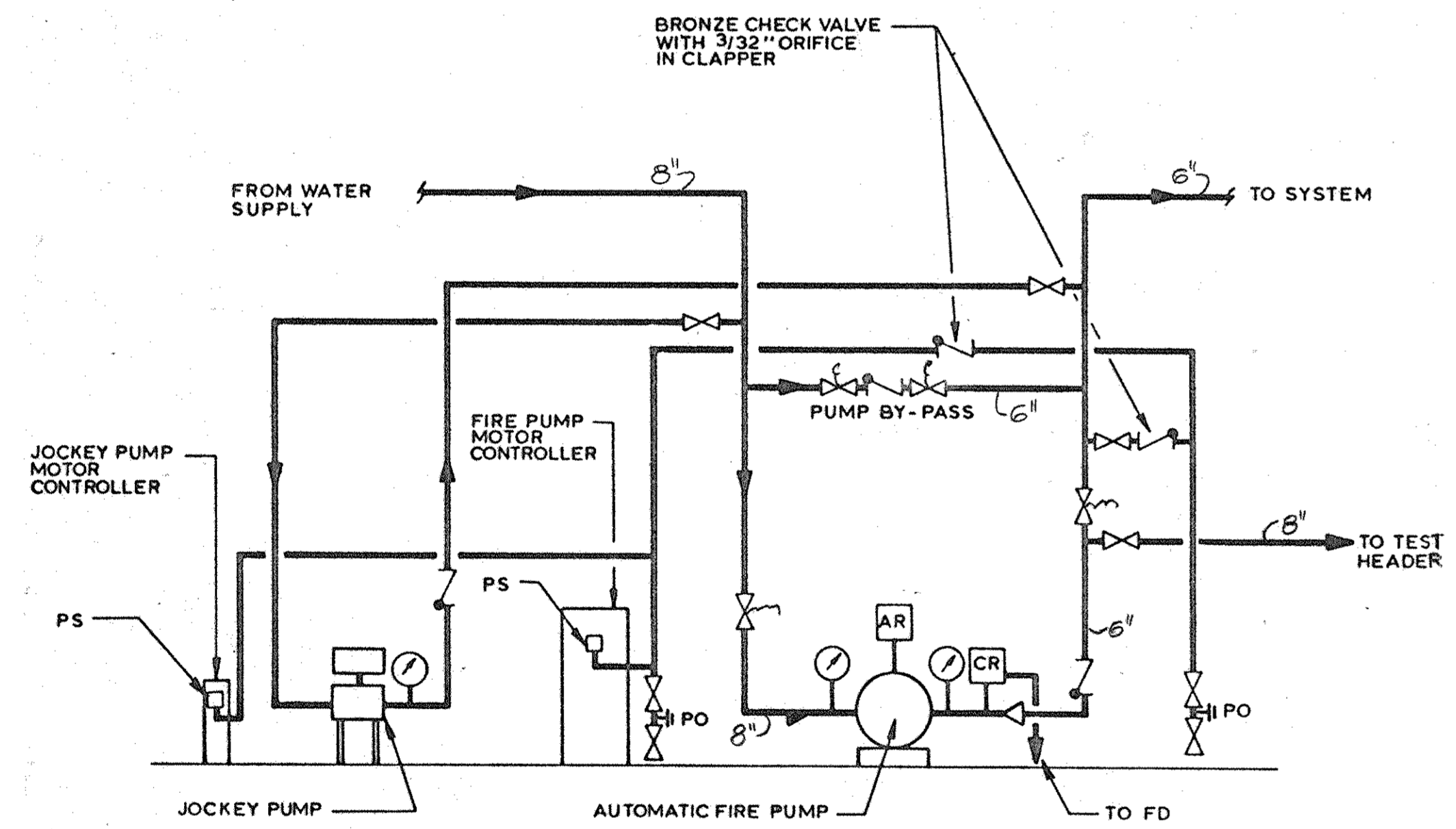
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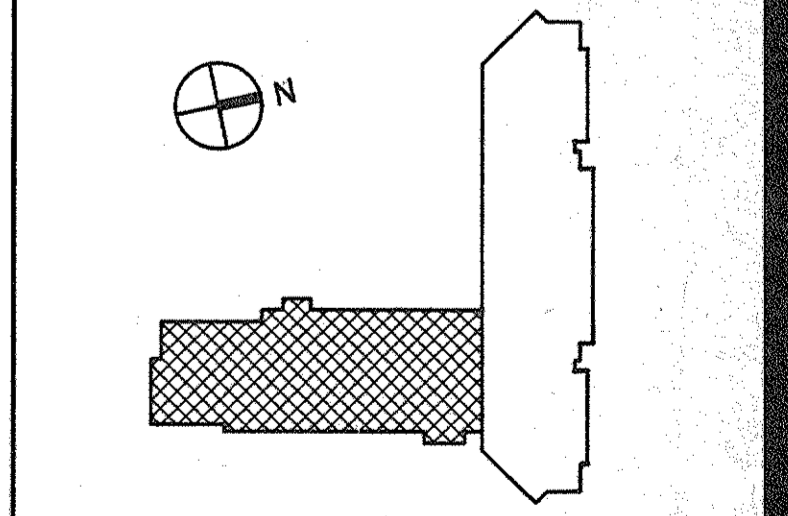
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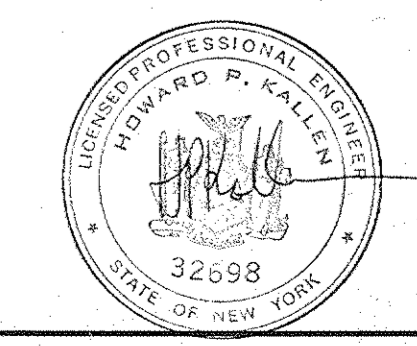
2 4-28-94 PLB BID ISSUE
 1 5-2-94 (BY ESTIMATOR) ISSUE
 No. Date Revision

Drawn By S.D. Date
 Checked By M.E. Date
 Issue Date
 Scale AS NOTED
 Key Plan



Drawing Title
FIRE PROTECTION RISER DIAGRAM, DETAILS & SCHEDULES

GS Project No. 91-1286
 RA Project # 99301.00
 Drawing No.



FP111

Dutchess County Jail
 Phase 3 Addition & Renovations
 150 N. Hamilton St.
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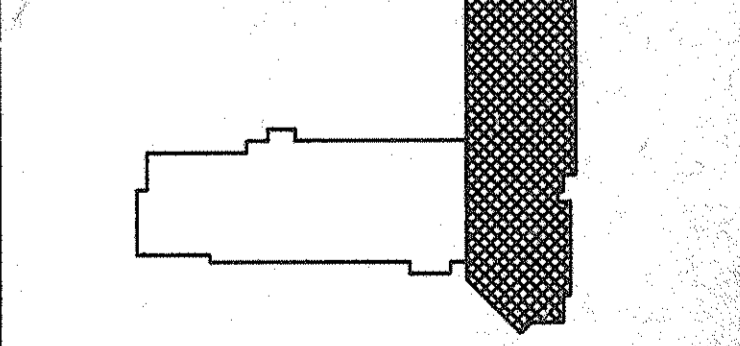
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No.	Date	Revision
3	8-09-94	GENERAL REVISION
2	7-28-94	PL86 BID ISSUE
1	3-21-94	CAT ESTIMATE ISSUE

Drawn By S. D. Date _____
 Checked By M. E. Date _____
 Issue Date _____

Scale $\frac{1}{8}'' = 1'-0''$

Key Plan

Drawing Title

**EXISTING JAIL
 FIRE PROTECTION
 PLANS**

GS Project No. 81-1286
 RA Project # 88301.00
 Drawing No.

FP201

