

# Lymes' Senior Center Town Woods Road Old Lyme, Connecticut

Joseph Griffith  
Architects  
124 Main Street  
Deep River, Connecticut  
06417 203 526 4319

Angus McDonald / Gary Sharpe  
& Associates, Inc.  
233 Boston Post Road  
Old Saybrook, Connecticut  
**List of Drawings**

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SP2 Site Plan  
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To be issued for separate permit  
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## Building Data: Code Analysis

**Codes:** BOCA: 1990 w/1992 Supplement and Connecticut Supplement 1994  
NFPA: B1, 1991, Connecticut Supplement 1994

### Building Use Group:

BOCA: Mixed in accordance with 313.1.1 using Use Group  
A-3 (assembly) and B (business)

NFPA: Mixed use in accordance with 1-4.7 for Use Group Assembly, Chapter 8, and New Business, Chapter 26.

### Construction Type Classification:

BOCA: Type 5B; Unprotected Combustible  
NFPA: V(000)

### Occupancy:

NFPA: Dining Hall; nonfixed seats 8-1.7.1(b) 2228 s.f. x 1/15 s.f. = 148  
Lobby; Nonfixed seats 8-1.7.1(b) 920 s.f. x 1/15 = 62  
Kitchen 8-1.7.1(e) 400 s.f. x 1/100 = 4  
26-1.7.1 Business 1135 s.f. x 1/100 s.f. = 12  
29-1.7 Storage: na  
Total Occupancy: 226

Plumbing Fixtures provided based on occupancy requirements shown on Layouts in accordance with BOCA Basic National Plumbing Code P-1202.1 See Floor Plans  
Building Limitations:

Building Area = 5472 s.f.

BOCA: Table 501

A-3 1 Story/20'; 4200 s.f.

B 2 Story/30'; 7200 s.f.

BOCA: 502.2 Street Frontage increase; Building provides 100% perimeter bounded by unoccupied space 30' in width. Tabular area of 4200 may be increased by 150% equalling 10,500 s.f.

NFPA: 8-1.6 for Construction Type V(000) Type B&C Assembly Uses permitted on Level of Exit Discharge (LED).

NFPA: 8-2.2.2.3: Provide Panic Hardware on all 1st floor and exit doors; See schedules.

NFPA: 8-2.3.3; BOCA 807.2.2

1st Floor Main Entrance shall accommodate 1/2 occupant load. 226 / 2 = 113;  
113 x 2' / person = 22.5'; 72' provided.

NFPA: 8-2.5.4.7 and NFPA 8-2.5.4.8

Space Tables at 54" apart or allow not more than 10' from chair to aisle of 36".  
Aisles to be minimum of 36" or as required.

Disabled Person Access Required.

### Structural Data:

Design live loads:

Roof (ground snowload) 30 p.s.f.

Wind Exposure: "C" 85 m.p.h.

Seismic Exposure: "C"

Special Inspection Requirements

Soils & Structural Fill:

Soil Analysis: Proctor tests, compaction test for each lift  
Certification of Methods

Concrete Foundation Walls:

Review Mix Designs

Review Material Certifications

Review reinforcement placement in foundation walls

On-site inspection of placement of foundation walls

Testing of compressive strength, slump and air content

Review procedures

Wood Frame Shear Walls:

Review fabrication quality control procedures

Review material grades

Verify conformance with contract documents for shear wall construction

Verify conformance with contract documents for horizontal diaphragm construction

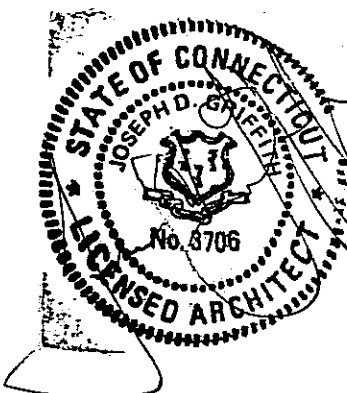
Verify conformance with contract documents for nailing, bolting and other connections in seismic resisting system

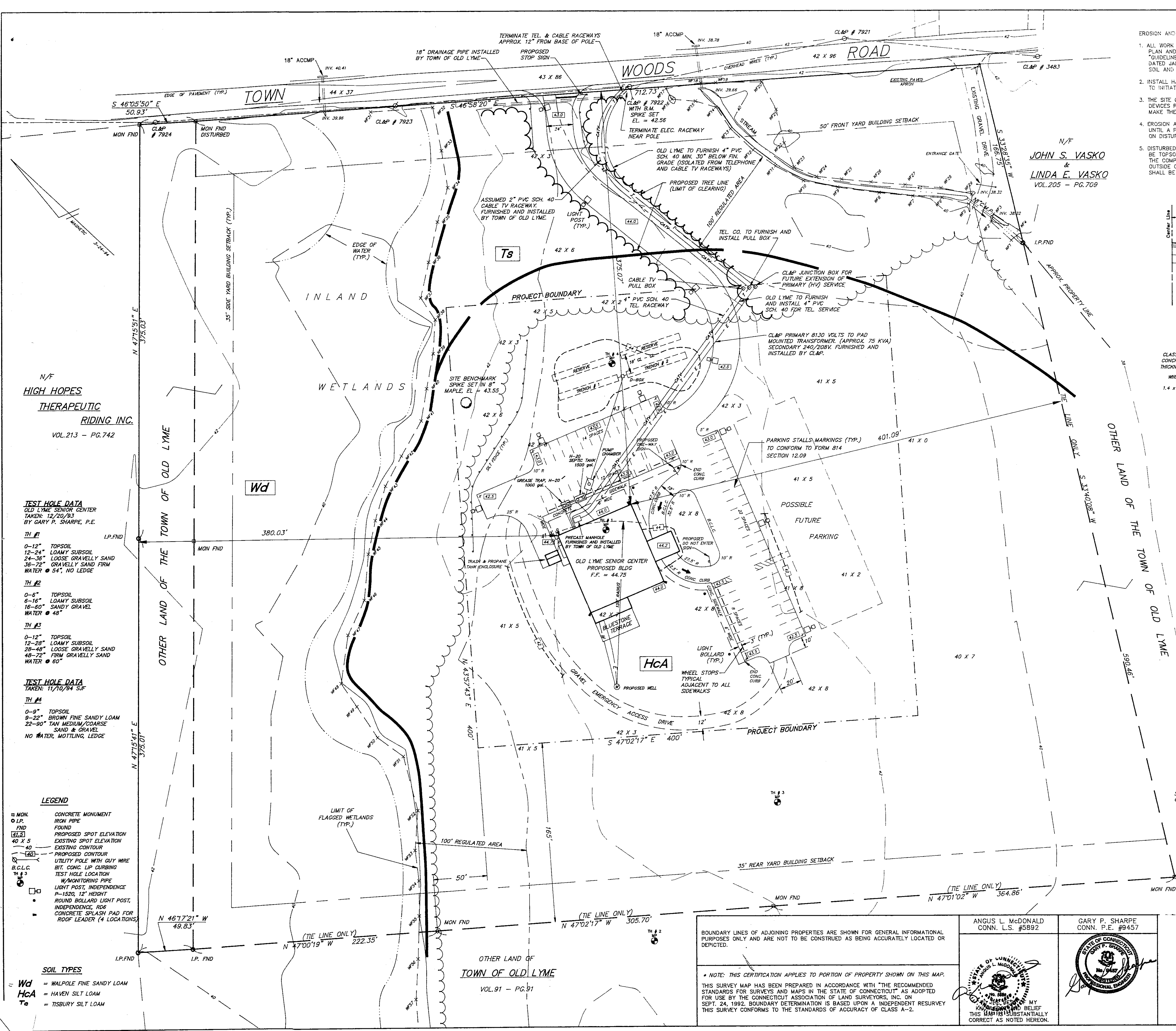
### Fire Ratings:

NFPA: 8-3.6 Exception 1; Lobby Area not required to be protected as more than half of the egress capacity of the dining room is provided by doors directly to outside.

Date of Issue: December 2, 1994

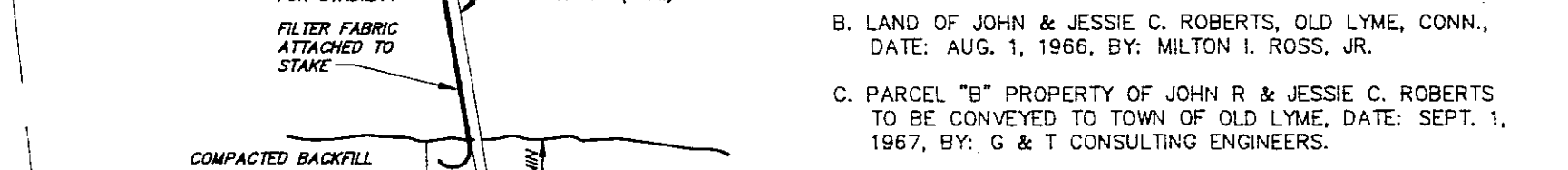
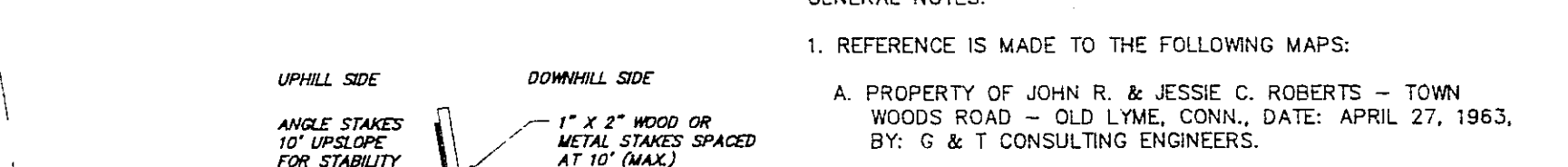
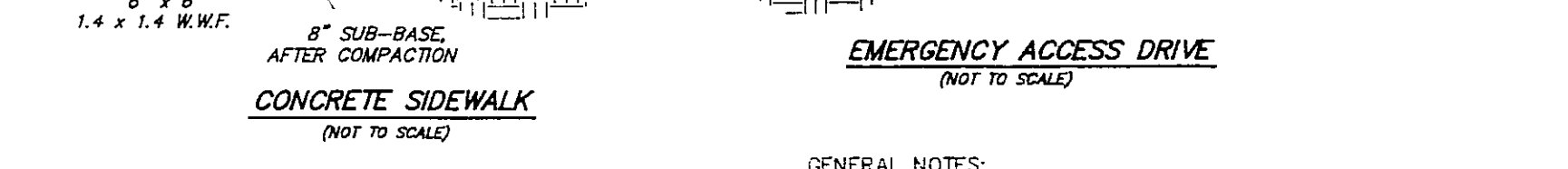
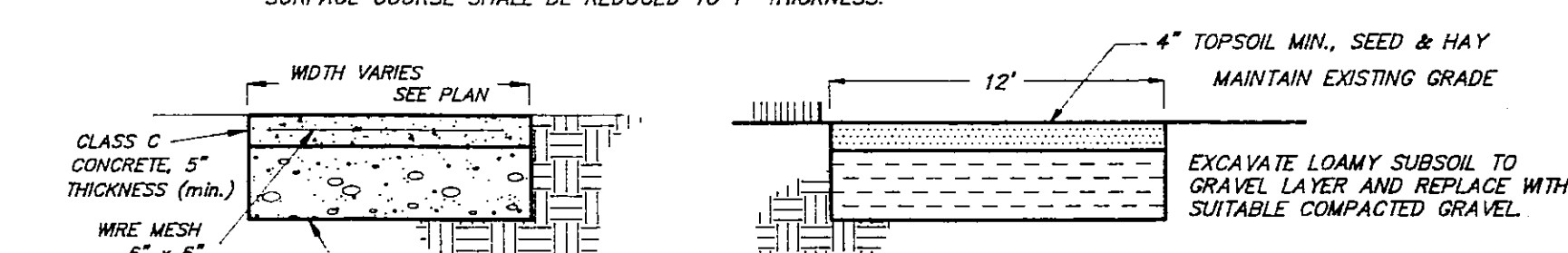
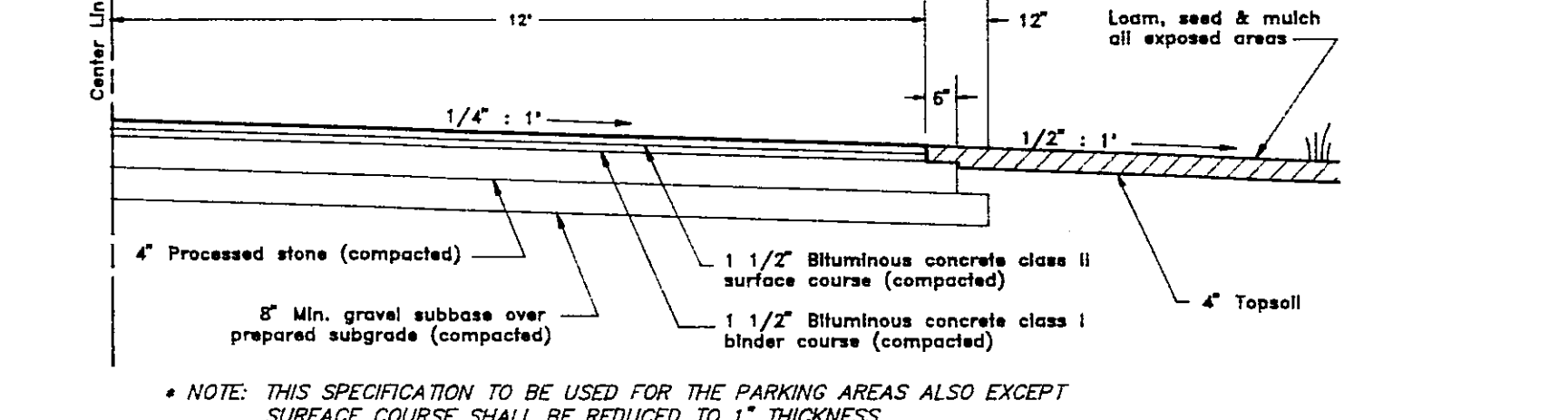
REVISED 1/4/95, 1/9/95





- EROSION AND SEDIMENT CONTROL NOTES:
1. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH ATTACHED SITE PLAN AND THE DETAILS AND CONSTRUCTION METHODS OUTLINED IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL - CONNECTICUT DATED JANUARY 1985 AS PREPARED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.
  2. INSTALL HAYBALE EROSION CHECKS OR FILTER FABRIC SILT FENCE PRIOR TO INITIATION OF CONSTRUCTION ACTIVITIES IN UPHILL AREAS.
  3. THE SITE CONTRACTOR SHALL INSPECT EROSION AND SEDIMENT CONTROL DEVICES PERIODICALLY, PARTICULARLY AFTER HEAVY RAINFALLS, AND MAKE THE NECESSARY REPAIRS OR MAINTENANCE.
  4. EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL A PERMANENT VEGETATIVE GROUND COVER HAS BEEN ESTABLISHED ON DISTURBED AREAS.
  5. DISTURBED AREAS SHALL BE KEPT TO A PRACTICAL MINIMUM AND SHALL BE TOPSOILED, SEEDED AND MULCHED AS SOON AS PRACTICAL AFTER THE COMPLETION OF CONSTRUCTION. IF CONSTRUCTION IS COMPLETED OUTSIDE OF THE RECOMMENDED SEEDING PERIODS, DISTURBED AREAS SHALL BE PROTECTED WITH A TEMPORARY HAY MULCH.

TYPICAL ACCESS ROAD CROSS SECTION SECTION WITH NO CURB PROPOSED (NOT TO SCALE)



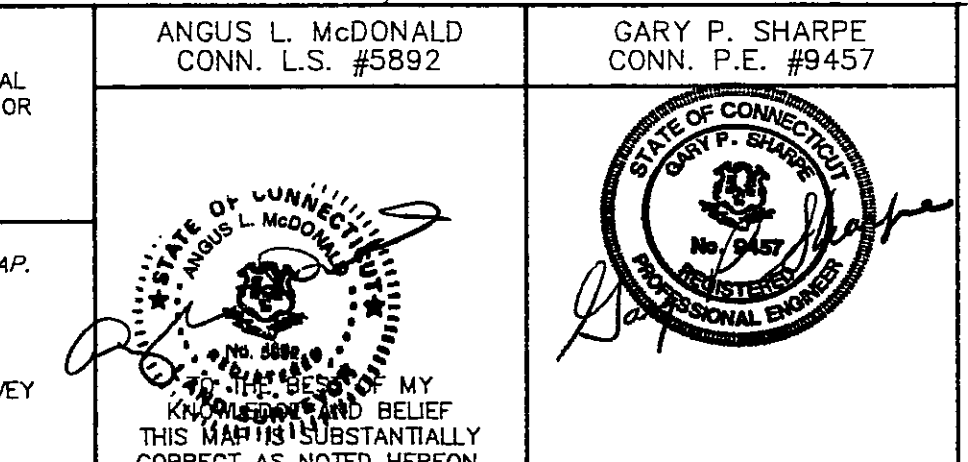
- GENERAL NOTES:
1. REFERENCE IS MADE TO THE FOLLOWING MAPS:
    - A. PROPERTY OF JOHN R. & JESSIE C. ROBERTS - TOWN WOODS ROAD - OLD LYME, CONN., DATE: APRIL 27, 1963, BY: G & T CONSULTING ENGINEERS.
    - B. LAND OF JOHN & JESSIE C. ROBERTS, OLD LYME, CONN., DATE: AUG. 1, 1966, BY: MILTON I. ROSS, JR.
    - C. PARCEL "B" PROPERTY OF JOHN R. & JESSIE C. ROBERTS TO BE CONVEYED TO TOWN OF OLD LYME, DATE: SEPT. 1, 1967, BY: G & T CONSULTING ENGINEERS.
    - D. SURVEY PLAN, PROPERTY OF BARBARA & IRVING LAMAY - TOWN WOODS ROAD - OLD LYME, CONNECTICUT, DATE: MARCH 7, 1980, BY: ANGUS L. McDONALD & ASSOCIATES, INC.
    - E. PROPOSED FACILITY L.C.V.E.R.A., TOWN WOODS ROAD - OLD LYME, CONN., DATE: 3-1-89, BY: RICHARD W. GATES.
  2. FOR SUBJECT PROPERTY REFERENCE IS MADE TO THE FOLLOWING DEEDS ON FILE IN THE TOWN OF OLD LYME LAND RECORDS, VOL. 91 PAGE 91, VOL. 75 PAGE 178.
  3. CONTOURS AND SPOT ELEVATIONS BASED ON U.S.C. & G.S. MEAN SEA LEVEL DATUM, AS TAKEN FROM BENCH MARK ON REFERENCE MAP 1-E.
  4. WETLANDS SHOWN WERE MARKED IN THE FIELD BY A SOIL SCIENTIST AND LOCATED BY FIELD SURVEY.
  5. SUBJECT PROPERTY IS IN THE RU-80 ZONING DISTRICT WITH THE FOLLOWING REQUIREMENTS:
    - MIN. LOT AREA = 80,000 SF
    - MIN. SQUARE ON LOT = 200'
    - MAX. NUMBER OF STORIES FOR BUILDING = 2 1/2
    - MAX. HEIGHT OF BUILDING = 35'
    - MIN. SETBACK FROM BUILDING = 50'
    - MIN. SETBACK FROM REAR PROPERTY LINE = 35'
    - MIN. SETBACK FROM OTHER PROPERTY LINE = 35'
    - MAX. FLOOR AREA AS % OF LOT = 15%
    - MAX. LOT COVERAGE (BLDG & STRUCTURES) = 10%
    - MAX. TOTAL LOT COVERAGE = 30%

LOT AREA WITHIN THE LINES = 637,949 S.F.±  
WETLAND AREA WITHIN THE LINES IS APPROXIMATELY = 117,555 S.F.±  
FLOOR AREA OF BUILDING = 5,400 S.F.  
FLOOR AREA AS % OF LOT = .85

PARKING:  
LEGAL OCCUPANTS UNDER STATE FIRE CODE = 226  
REQUIRED PARKING = 1 PER 4 OCCUPANTS = 56  
PARKING PROVIDED = 56

BOUNDARY LINES OF ADJOINING PROPERTIES ARE SHOWN FOR GENERAL INFORMATIONAL PURPOSES ONLY AND ARE NOT TO BE CONSTRUED AS BEING ACCURATELY LOCATED OR DEPICTED.

• NOTE: THIS CERTIFICATION APPLIES TO PORTION OF PROPERTY SHOWN ON THIS MAP. THIS SURVEY MAP HAS BEEN PREPARED IN ACCORDANCE WITH "THE RECOMMENDED STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED FOR USE BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPT. 24, 1992. BOUNDARY DETERMINATION IS BASED UPON AN INDEPENDENT RESURVEY. THIS SURVEY CONFORMS TO THE STANDARDS OF ACCURACY OF CLASS A-2.



ANGUS McDONALD / GARY SHARPE & ASSOCIATES, INC.  
P.O. BOX 608  
233 BOSTON POST ROAD  
OLD SAYBROOK, CONNECTICUT 06475-1502  
TEL. (203) 388-4671  
FAX (203) 388-3962

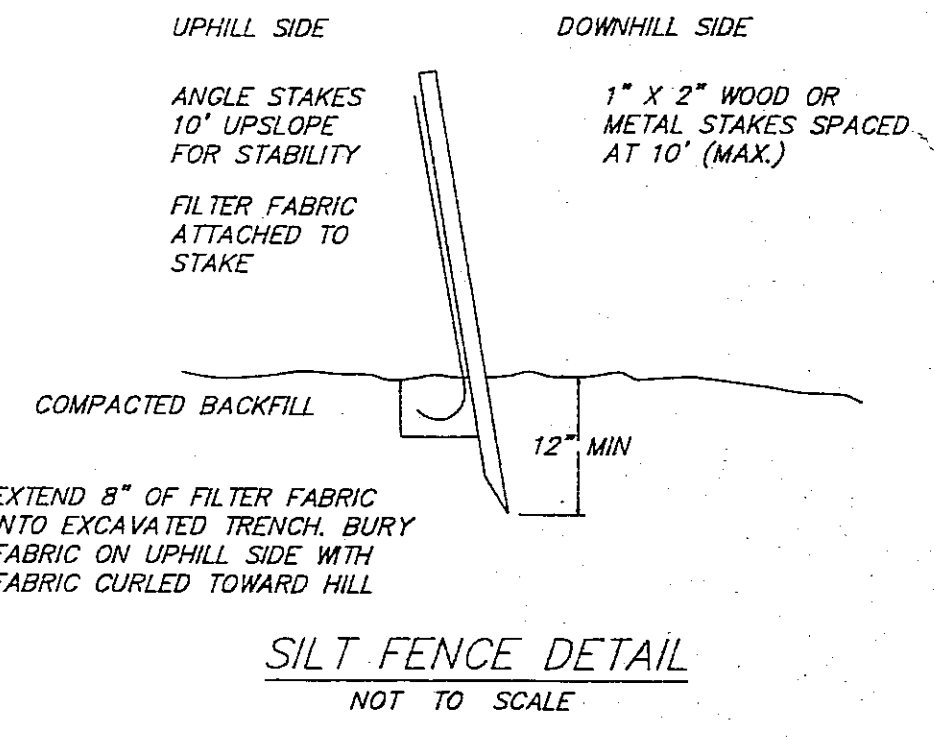
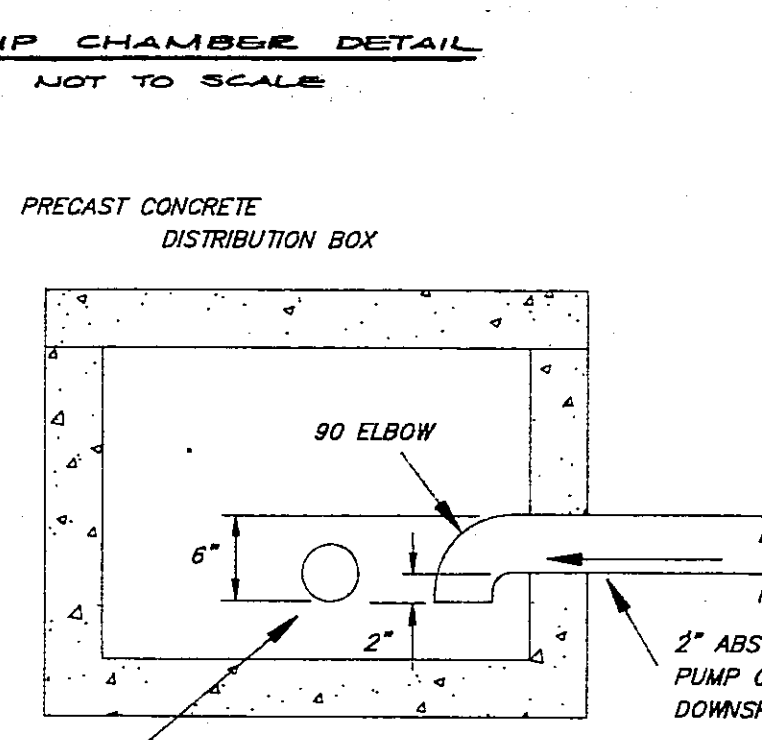
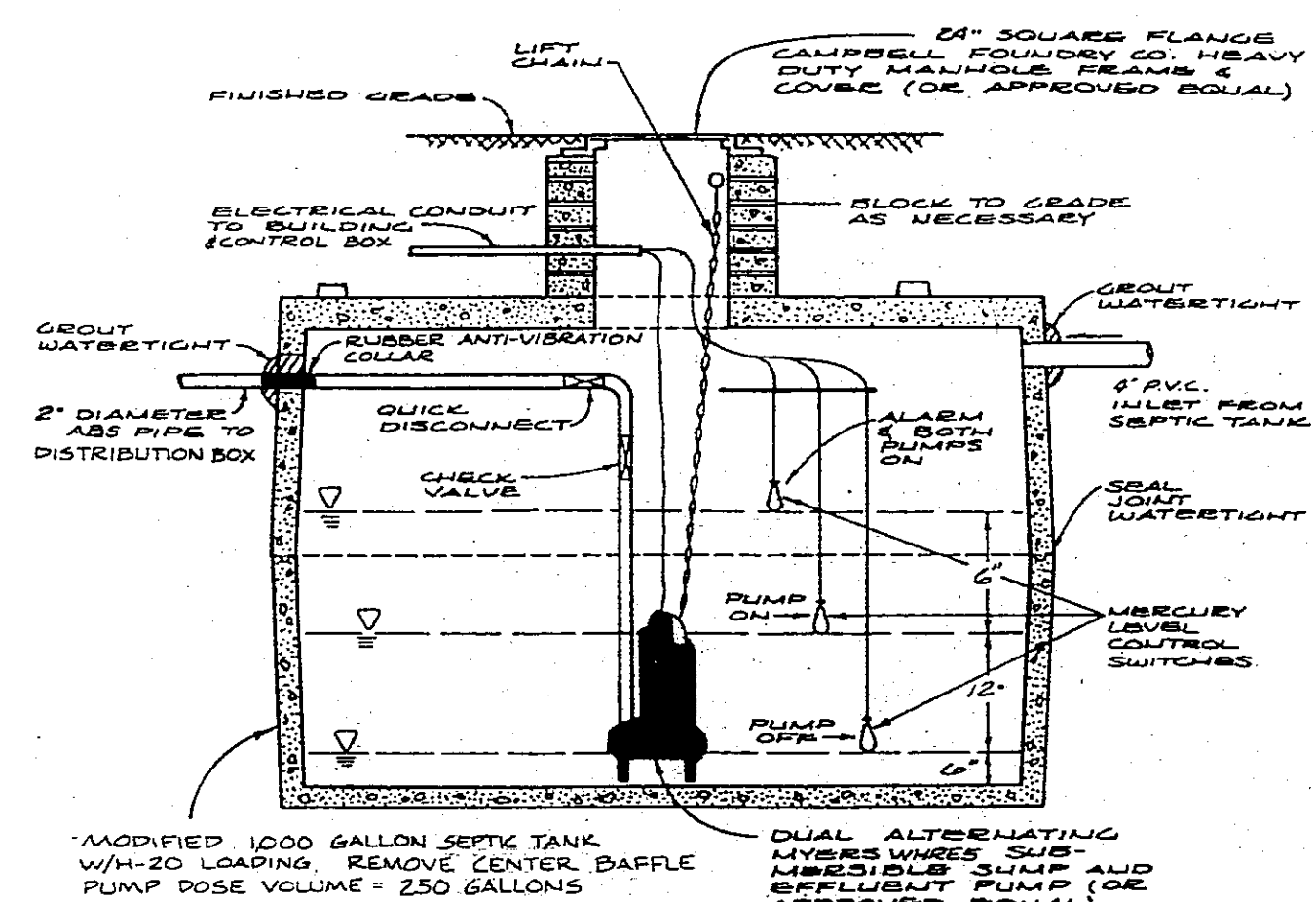
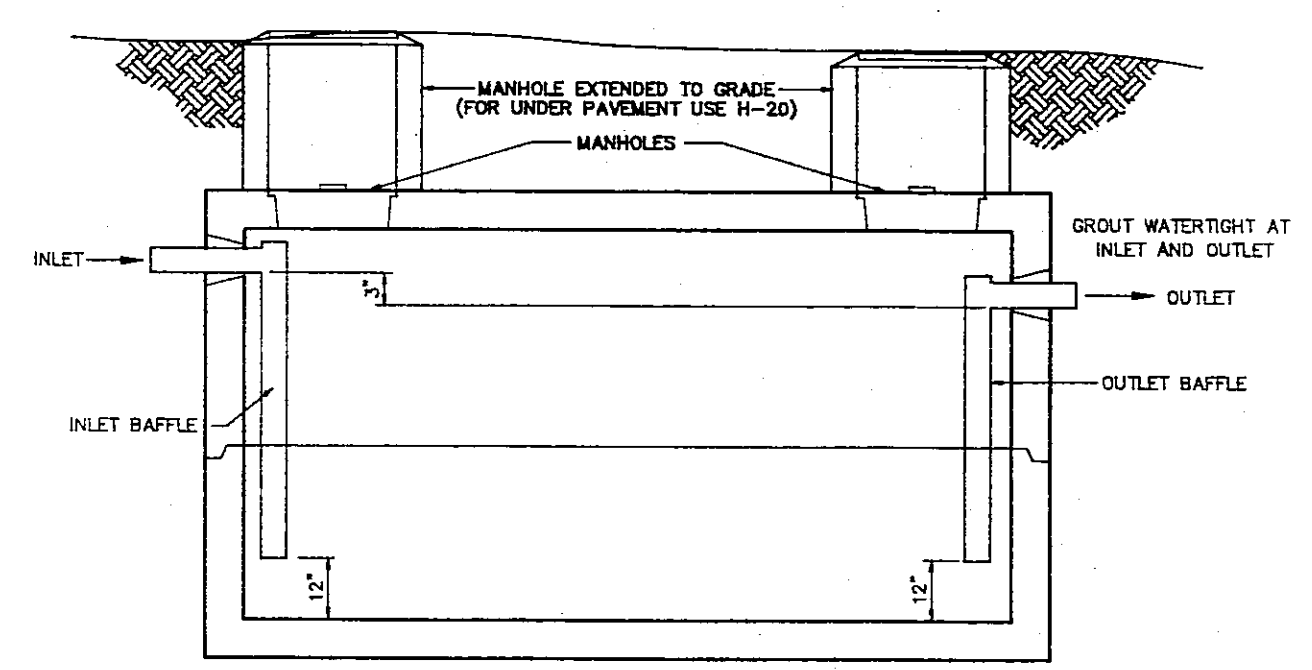
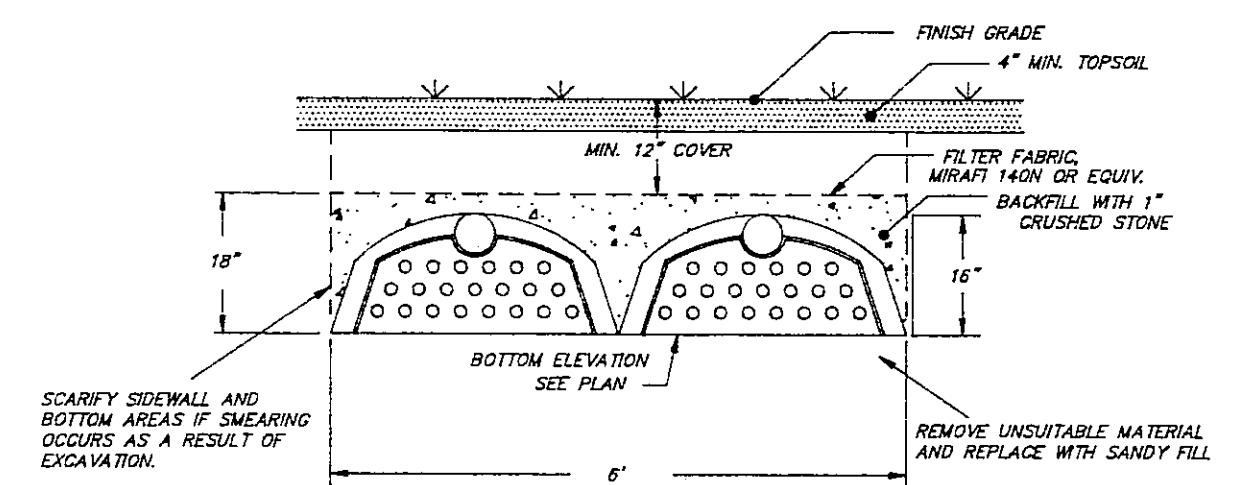
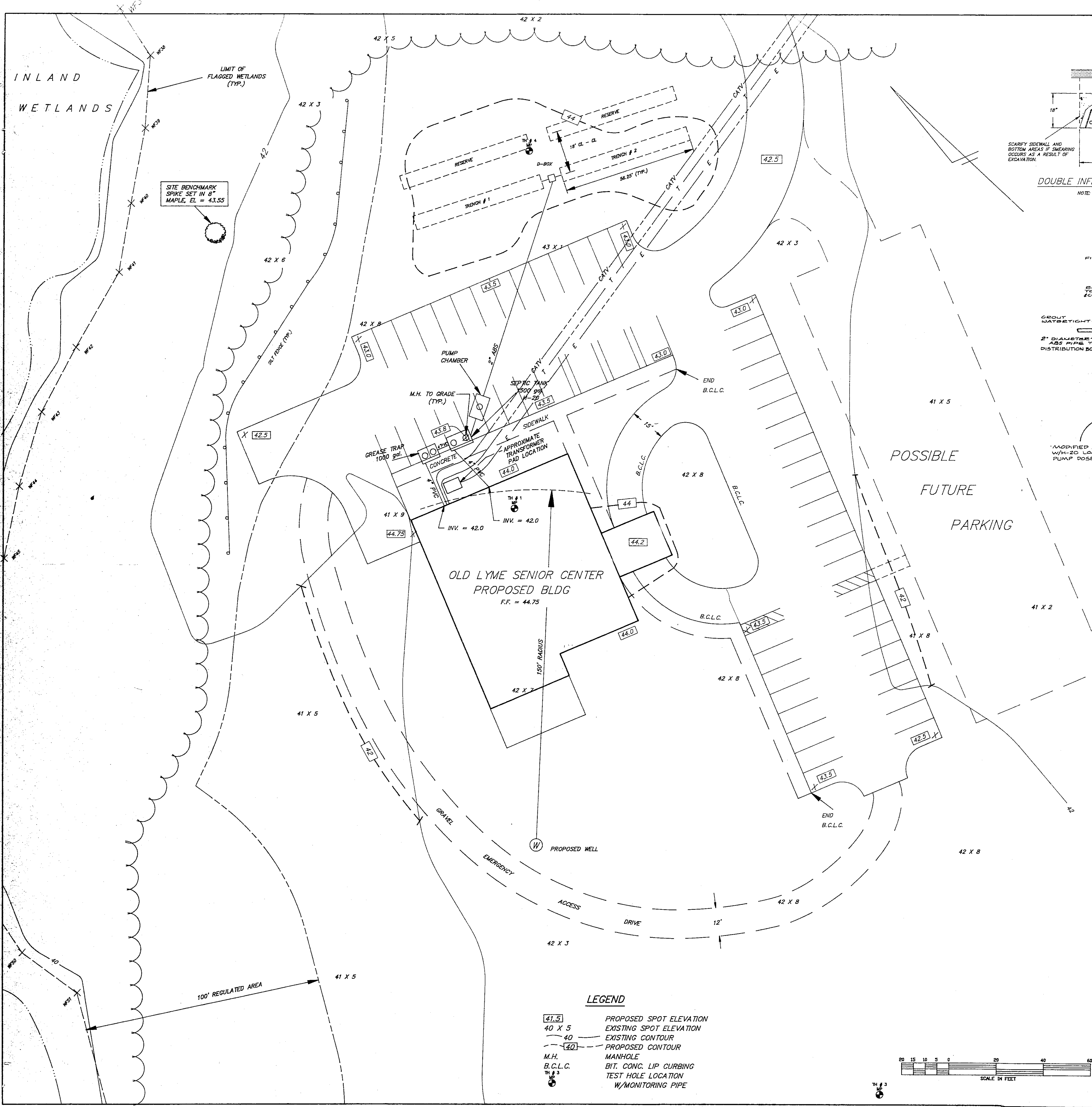
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• SURVEYORS •

IMPROVEMENT LOCATION MAP  
TOWN OF OLD LYME  
SENIOR CENTER  
TOWN WOODS ROAD  
OLD LYME CONNECTICUT

DATE: APRIL 4, 1994 SCALE: 1" = 40'

DRN DAH CHK APP'D  
SHEET 1 OF 2 OLSENIOR.DWG JOB NO. 933219

REVISIONS: 4-25-94 SAN. SYS. WELLS 4-27-94 SITE B.M.  
11-14-94 SAN. SYS. WELLS 11-14-94 SAN. SYS. WELLS  
1-5-95, REVISED ELEVATIONS



TEST HOLE DATA - OLD LYME SENIOR CENTER  
TAKEN: 12/20/93 BY GARY P. SHARPE, P.E.

TH #1  
0-12\"/>

TEST HOLE DATA - OLD LYME SENIOR CENTER  
TAKEN: 11/10/94 BY S.F.

TH #4  
0-9\"/>

**SANITARY SYSTEM DESIGN CRITERIA**

DESIGN FLOW:  
AVG. DAILY USAGE: 100 persons x 4 gal/d/person = 400 gal/d  
MAX. MEALS PER DAY: 50 meals/d x 10 gal/meal = 500 gal/d  
DESIGN FLOW = 900 gal/d

DESIGN PERCOLATION RATE: 1 - 10.0 mm/hr  
SEWAGE APPLICATION RATE = 1.5 gal/d/sq. ft.  
REQUIRED LEACHING AREA: 900 gal/d / 1.5 gal/d/sq. ft. = 600 sq. ft.  
LEACHING SYSTEM TYPE: HIGH CAPACITY INFILTRATORS (SIDE BY SIDE)  
EFFECTIVE LEACHING AREA: 6.2 SF/AF  
PROVIDE 2 RUNS 56.25 FEET LONG  
LEACHING AREA PROVIDED: 688 sq. ft.  
PROVIDE 1500 gal. SEPTIC TANK & 1000 gal. GREASE TRAP  
MLSS CRITERIA BY CONN. STATE HEALTH CODE = 108 ft.  
MLSS PROVIDED = 112.5 ft.

**SANITARY SYSTEM ELEVATIONS**

BLDG. F.F. = 44.75  
BLDG. FOUNDATION INV. EL. = 42.0 (4\"/>

**SANITARY SYSTEM CONSTRUCTION NOTES**

1. REMOVE TOPSOIL AND SUBSOIL FROM SYSTEM AREA AND STORE ON-SITE FOR FUTURE USE.
2. KEEP HEAVY EQUIPMENT TRAFFIC TO A MINIMUM IN SYSTEM AREA TO AVOID COMPACTION OF SUBSOIL.
3. LEACHING SYSTEM AREA AND FILL SHALL BE INSPECTED AND APPROVED BY THE DESIGN ENGINEER AND TOWN SANITARIAN PRIOR TO PLACEMENT OF FILL.
4. INSTALL LEACHING SYSTEM. SYSTEM MUST BE INSPECTED BY TOWN SANITARIAN PRIOR TO BACKFILLING.
5. ONCE SYSTEM IS BACKFILLED, GRADE, LOAM AND SEED ALL EXPOSED AREAS.

GARY P. SHARPE  
CONN. P.E. #9457

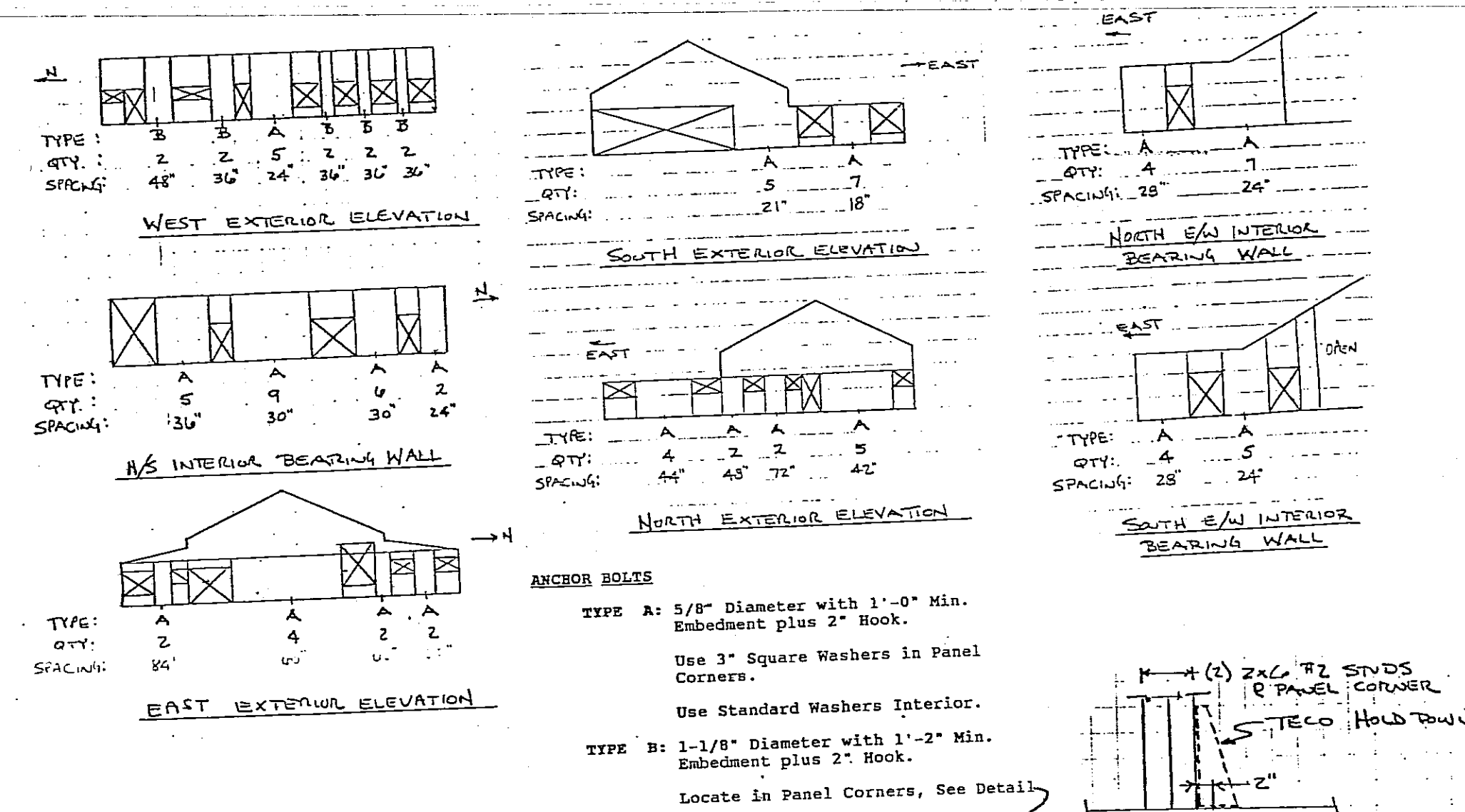
ANGUS McDONALD / GARY SHARPE  
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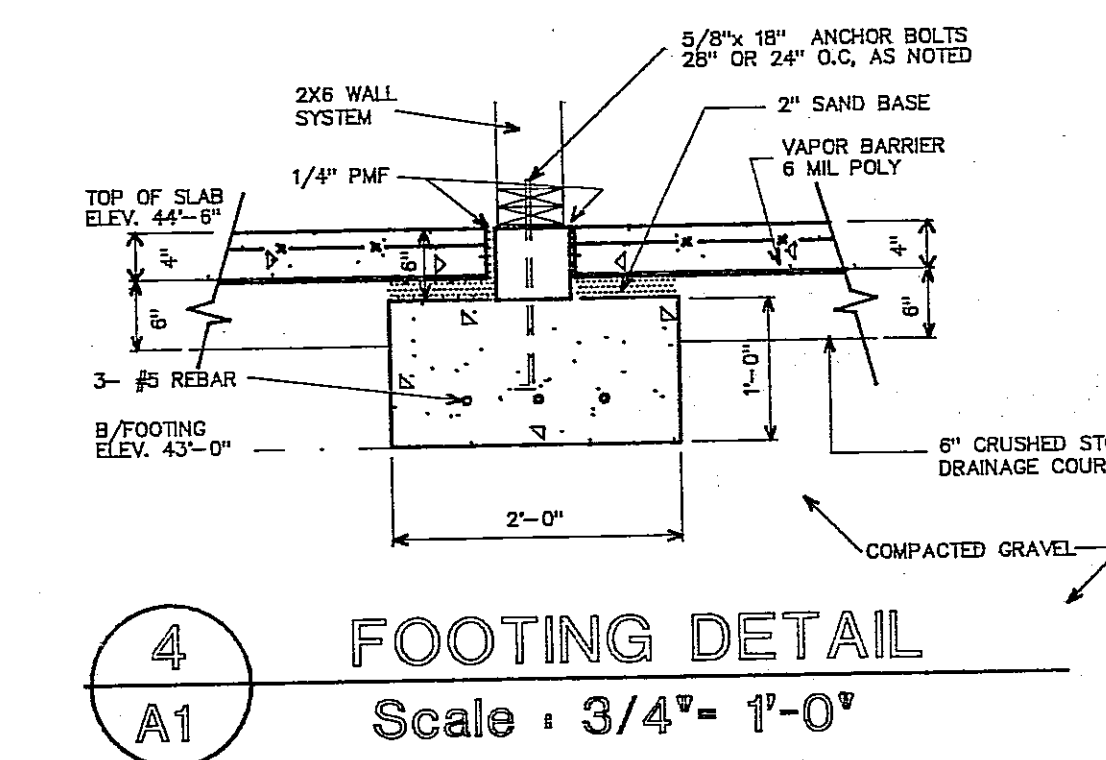
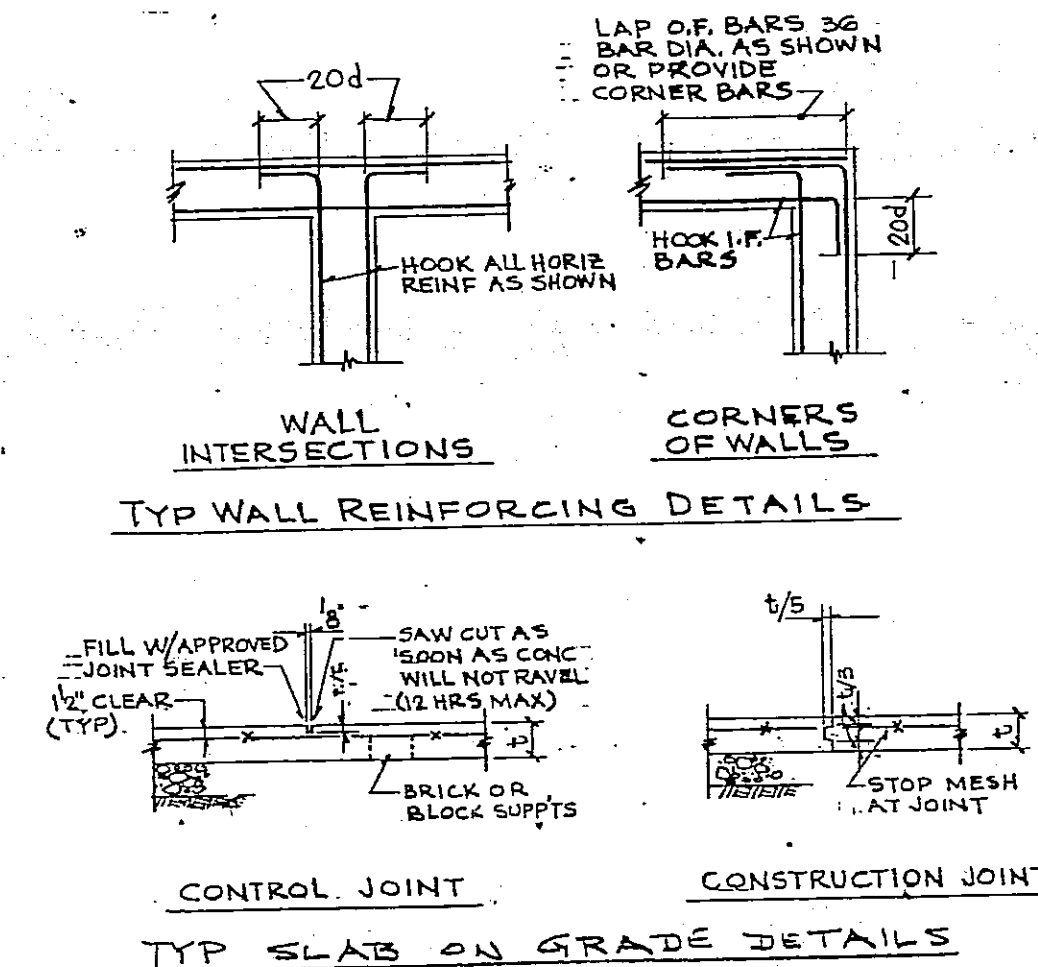
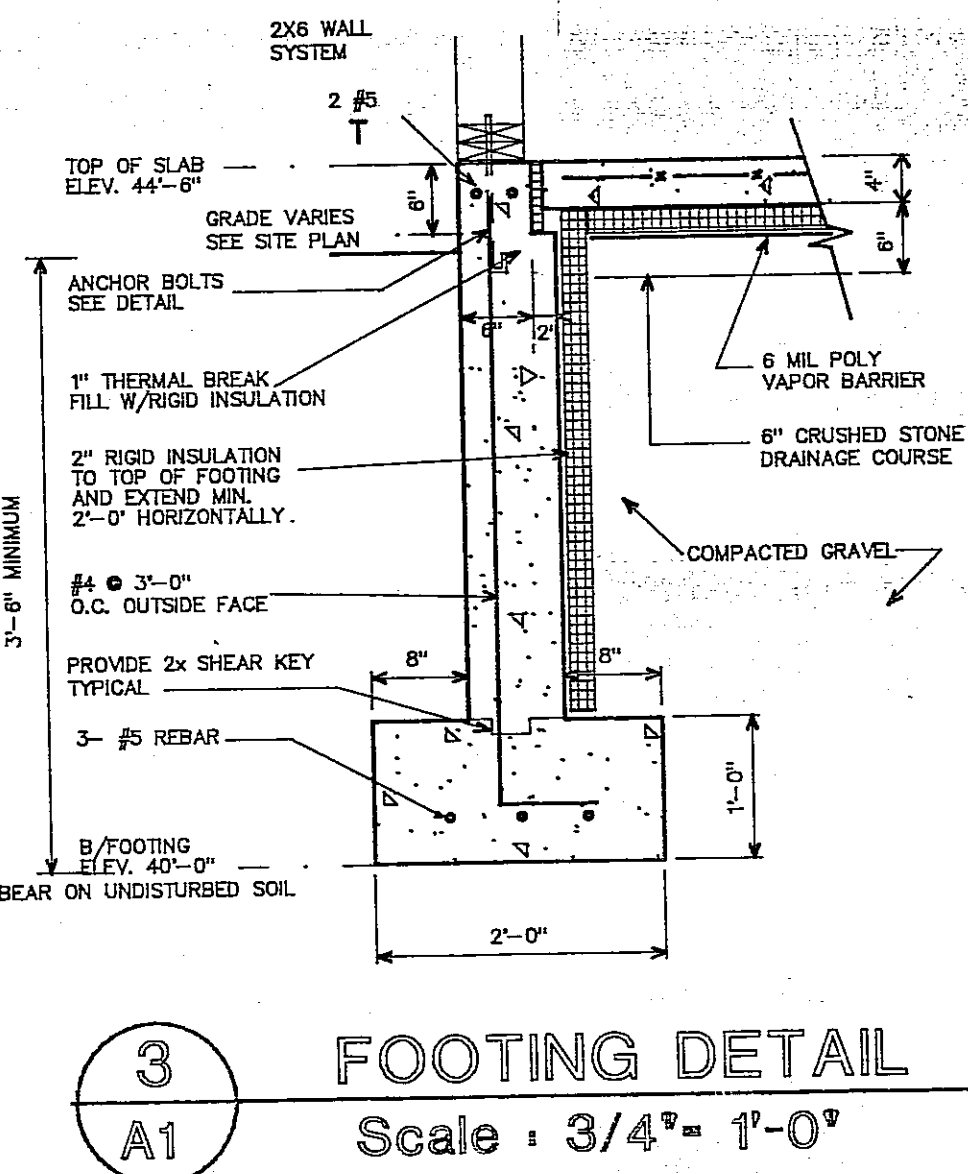
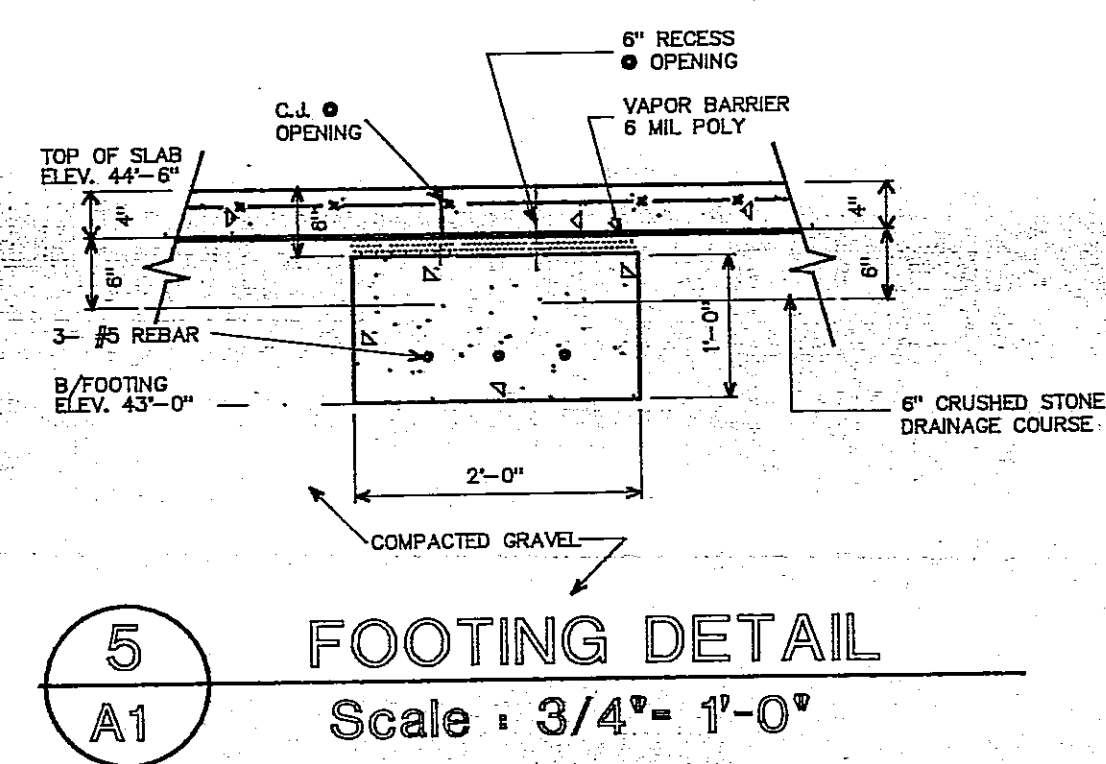
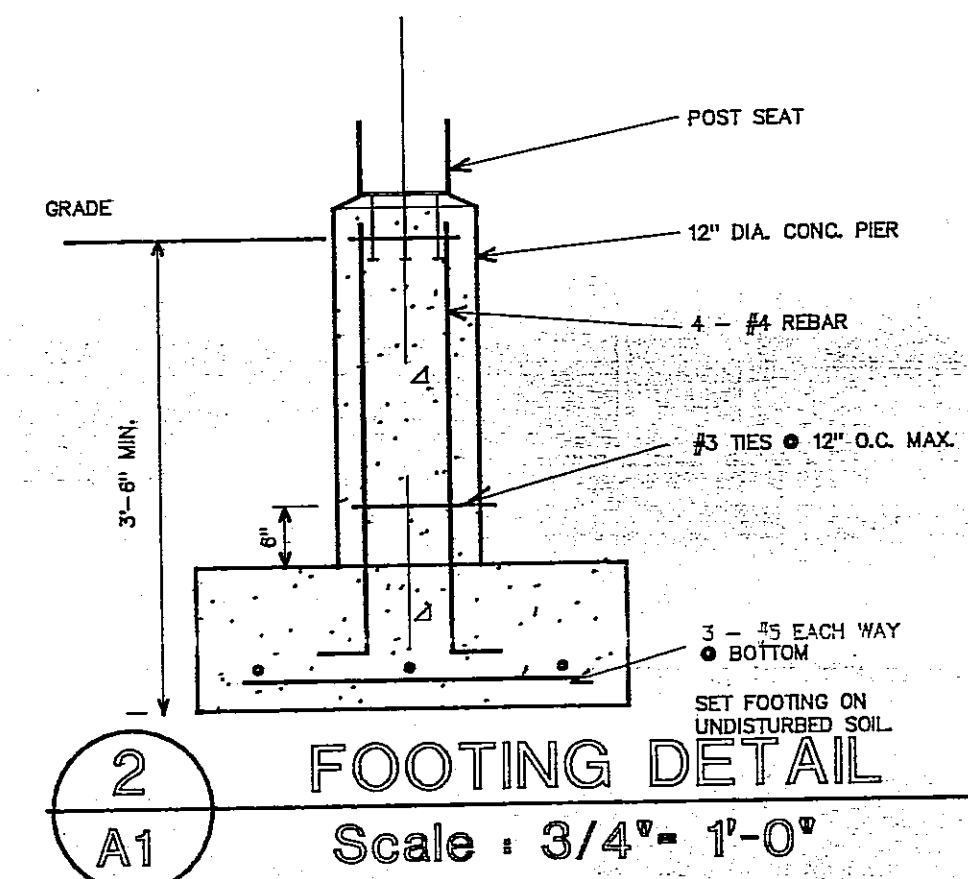
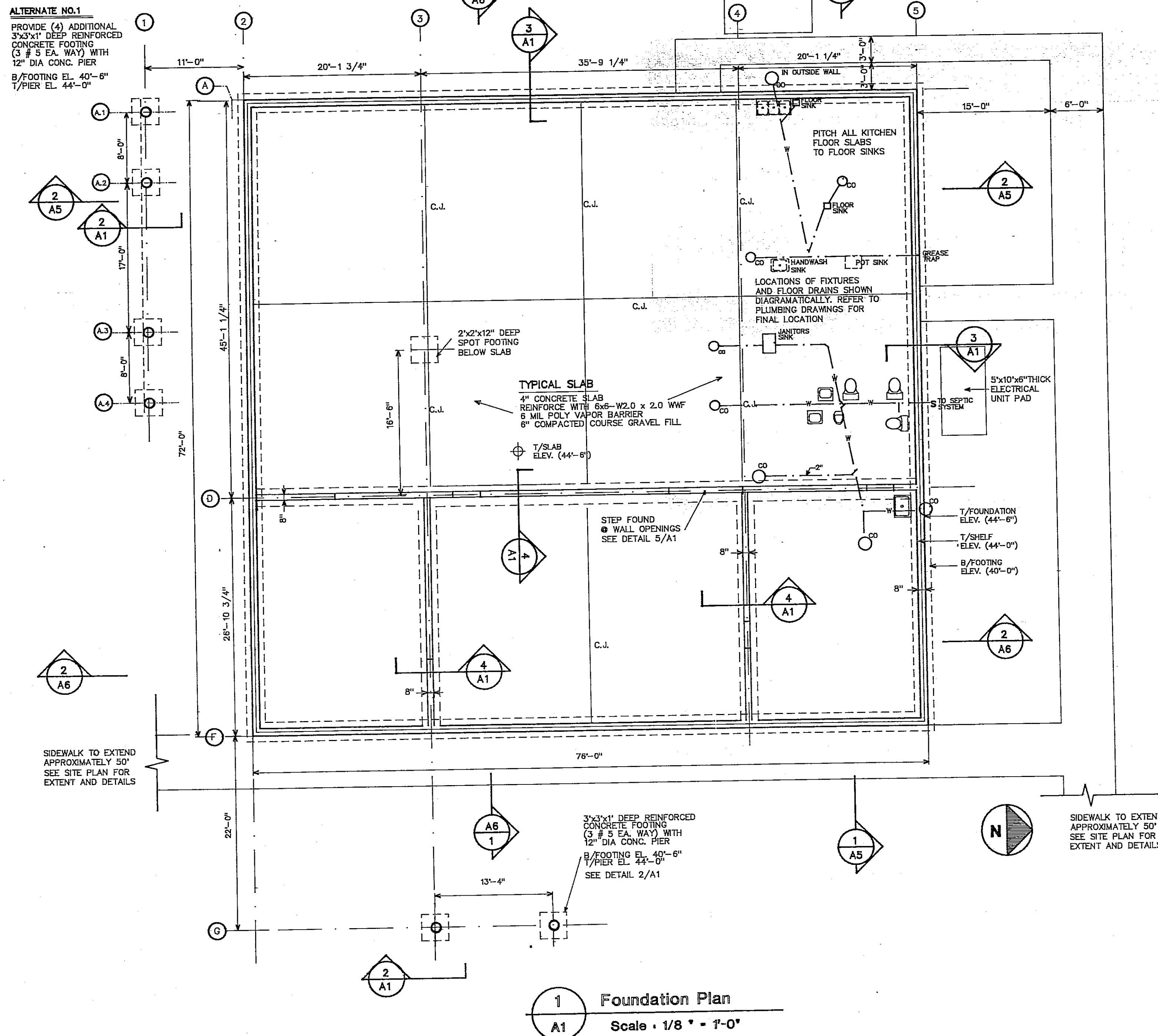
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• SURVEYORS •

**SANITARY SYSTEM PLAN**  
**TOWN OF OLD LYME**  
**SENIOR CENTER**  
TOWN WOODS ROAD  
OLD LYME CONNECTICUT

DATE: APRIL 25, 1994 SCALE: 1\"/>



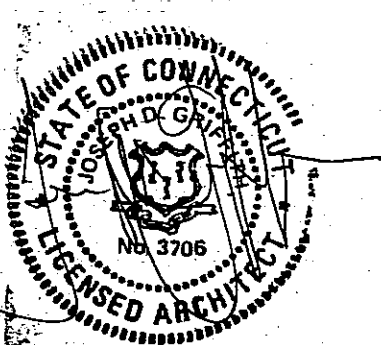
- GENERAL STRUCTURAL NOTES**
- DESIGN LIVE LOADS**  
ROOF (Ground Snow Load) ..... 30 psf  
FLOOR ..... Slab on Grade  
WIND VELOCITY ..... 85 mph  
EARTHQUAKE ZONE ..... 2  
(Wind Controlled Design)
- GENERAL**
1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE BOCA NATIONAL BUILDING CODE & CONNECTICUT SUPPLEMENT, LATEST EDITIONS.
  2. DIMENSIONS AND DETAILS SHALL BE CHECKED AGAINST ARCHITECTURAL DRAWINGS.
  3. THE CONTRACTOR SHALL VERIFY AND COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS, SLEEVES AND ANCHOR BOLTS AS REQUIRED BY ALL TRADES. OPENINGS NOT SPECIFICALLY SHOWN SHALL BE APPROVED BY THE ARCHITECT.
  4. FOUNDATION WALLS SHALL BE TEMPORARILY BRACED UNTIL ADEQUATELY BACKFILLED ON BOTH SIDES.
- FOUNDATIONS**
1. ALL FOOTINGS SHALL BEAR ON UNDISTURBED NATURAL MATERIAL HAVING AN ALLOWABLE BEARING VALUE OF 2 TONS PER SQUARE FOOT TOTAL LOAD PRESSURE.
  2. ELEVATIONS OF BOTTOM OF FOOTING SHOWN ON PLANS ARE FOR BIDDING PURPOSES AND SHALL BE LOWERED, IF NECESSARY, TO THE REQUIRED BEARING MATERIAL AS FOUND UPON EXCAVATION. IF THE REQUIRED BEARING MATERIAL IS NOT ENCOUNTERED AT ELEVATIONS SHOWN, NOTIFY ENGINEER IMMEDIATELY.



Lymes' Senior Center  
Town Woods Road  
Old Lyme, Connecticut

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Foundation Plan and Details



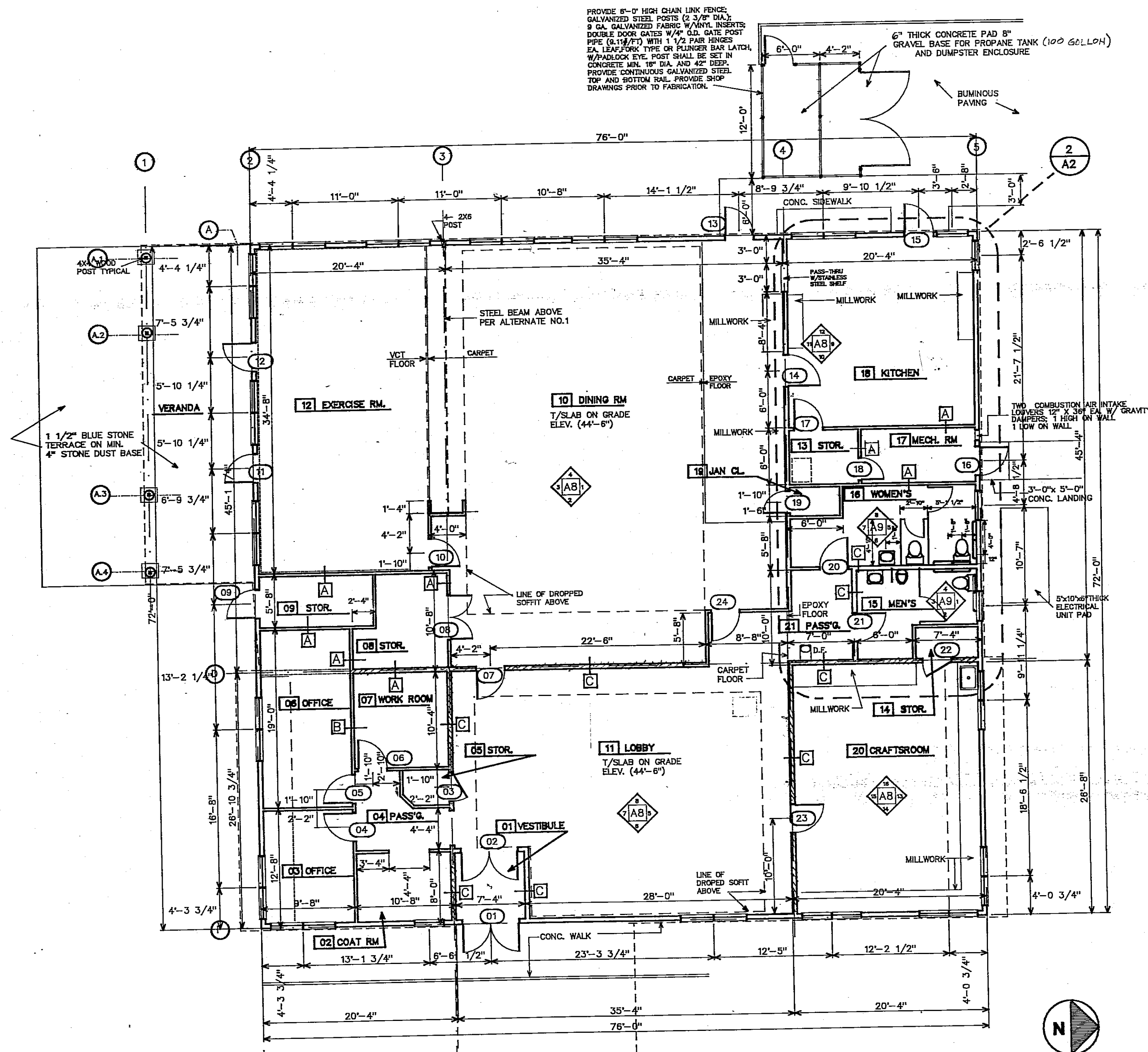
Scale: as shown  
Project No.: 9318  
Issued for Permit Nov. 17, 1994  
Revision Date: Dec. 7, 1994  
Issued for Permit 1/5/95

**A1**

Joseph Griffith  
Architects  
124 Main Street  
Deep River, Connecticut  
06417  
203 526 4319

# First Floor Plans / Wall Types

General Notes:  
1) Dimensions are to the face of the framed member unless otherwise indicated



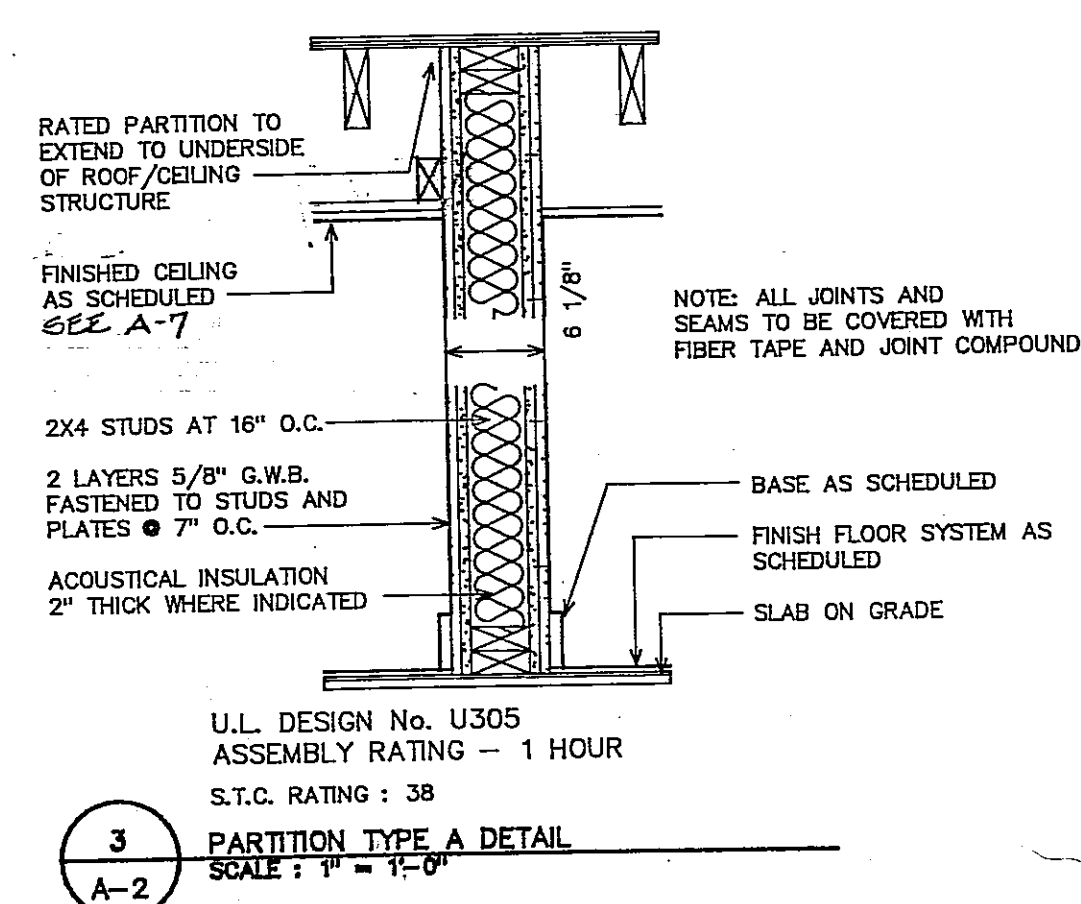
1 First Floor Plan  
A2 Scale: 1/8" = 1'-0"

## Kitchen Equipment Schedule

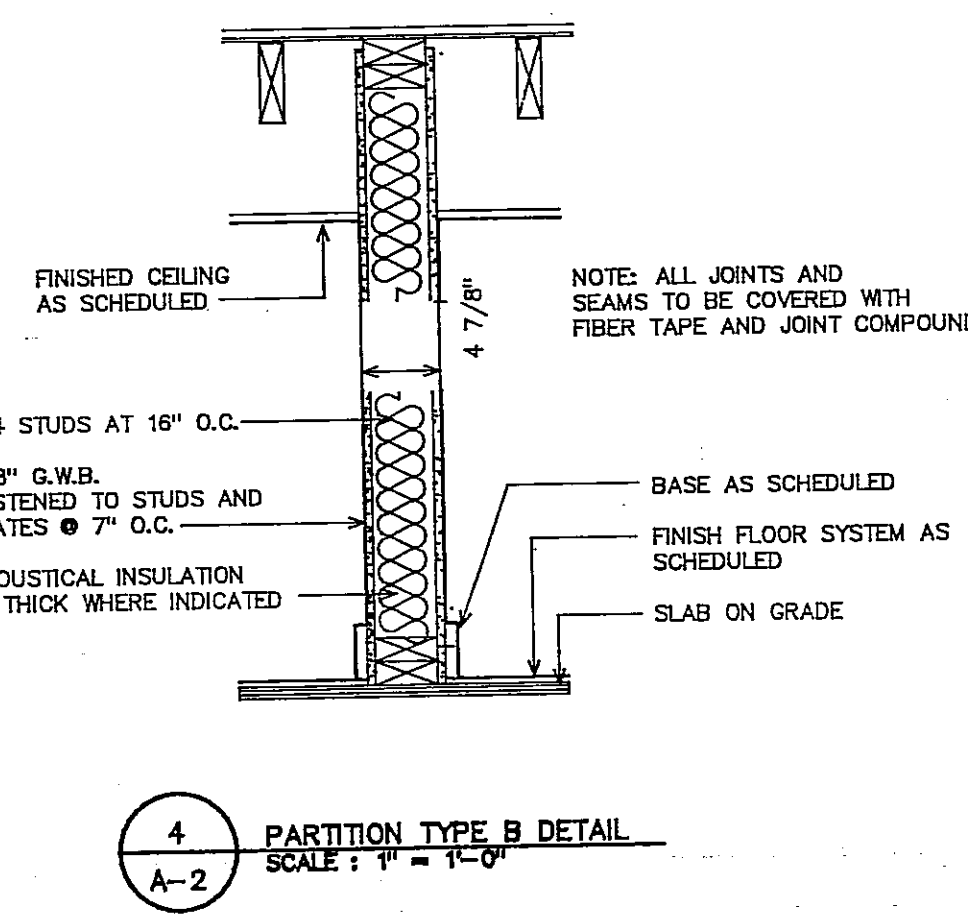
| Mark | Item               | Description                                          | Size                                   | Service Requirement                   | Waste Lines |
|------|--------------------|------------------------------------------------------|----------------------------------------|---------------------------------------|-------------|
| 02   | 3 compartment sink |                                                      |                                        | 1/2" IPS HW & CW                      | 1-1/2" IPS  |
| 03   | Dishwasher         | Door Style Dishwasher; electric hot water sanitizing | 26-1/4" X 67-1/2" high X 29-1/4" deep  | 3/4" IPS HW CW 10 KW electric booster | 1-1/2" CW   |
| 05   | Gas Range          | 20,000 BTU/HR burners & 35,000 BTU/HR oven           | 48" wide X 60" high X 29-1/4" deep     | 3/4" propane connection               | N.R.        |
| 04   | Refrigerator       | Double reach-in refrigerator                         | 54-3/4" wide X 77-1/2" high X 33" deep | 8.3 amps 120 V/1ph/60 Hz              | N.R.        |
| 06   | Pot sink           |                                                      |                                        | 1/2" IPS HW & CW                      | 1-1/2" IPS  |
| 07   | Prep table         | Prep table with vegetable sink.                      |                                        | 1/2" IPS HW & CW                      | 1-1/2" IPS  |

Note: Kitchen equipment scheduled shall be supplied and installed by the owner's separate contractor. Provide coordination and rough-in requirements as described above and as required by owner's separate contractor. See specifications and other drawings for related equipment required under this contract, including but not limited to, floor sinks, exhaust hood, hand wash sink.

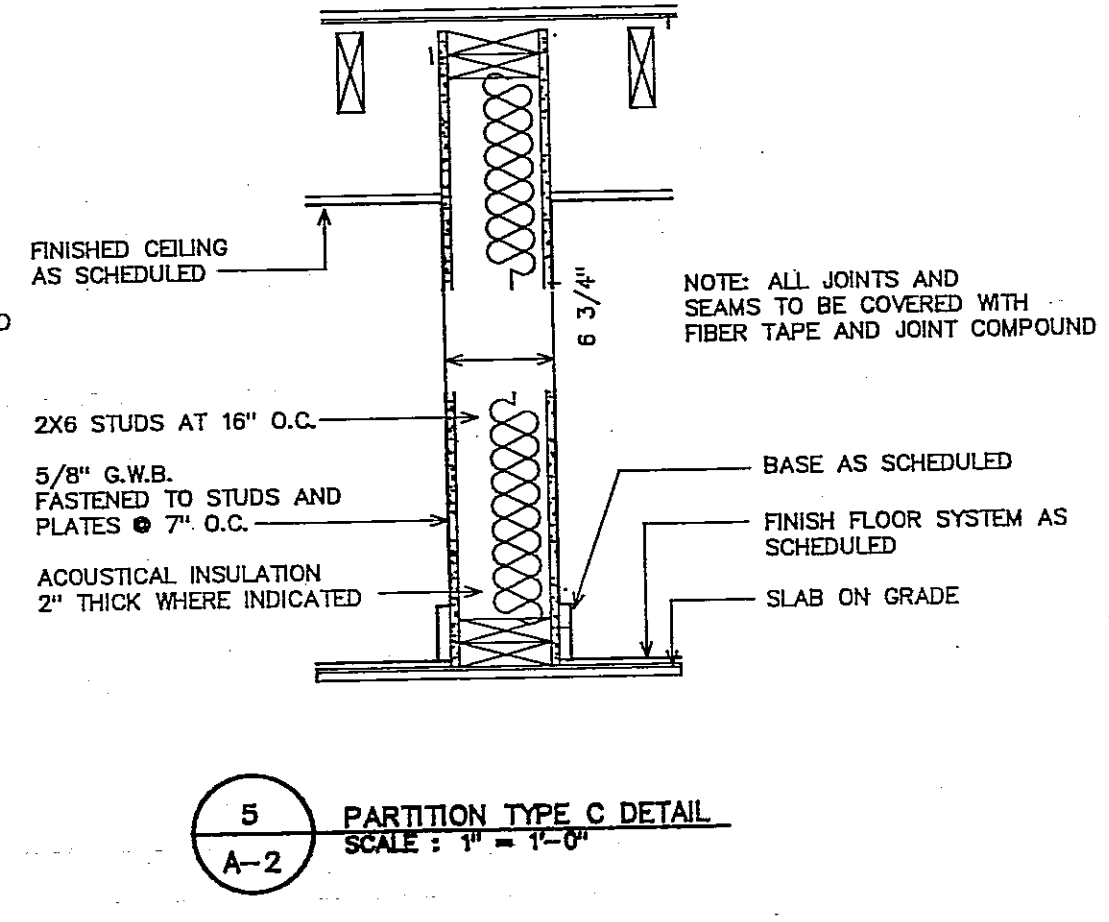
NOTE: ALL WALLS TO BE TYPE "B" UNLESS OTHERWISE NOTED.  
HATCHES INDICATE INTERIOR SHEAR WALLS. SEE DETAIL A-9 FOR FASTENING REQUIREMENTS.



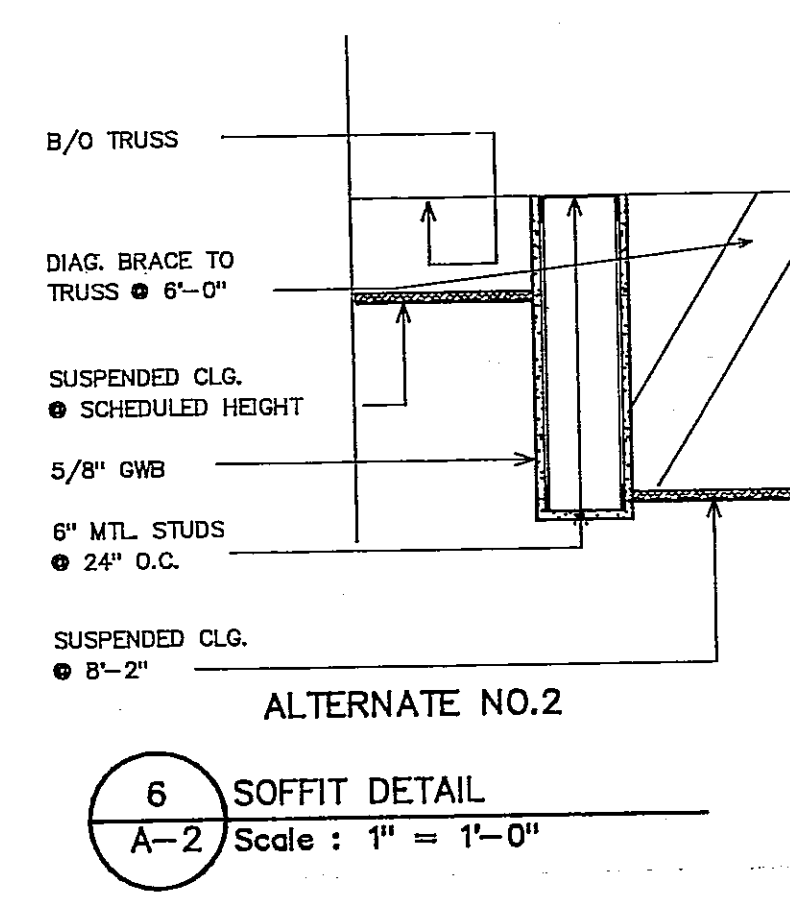
3 PARTITION TYPE A DETAIL  
A-2 Scale: 1" = 1'-0"



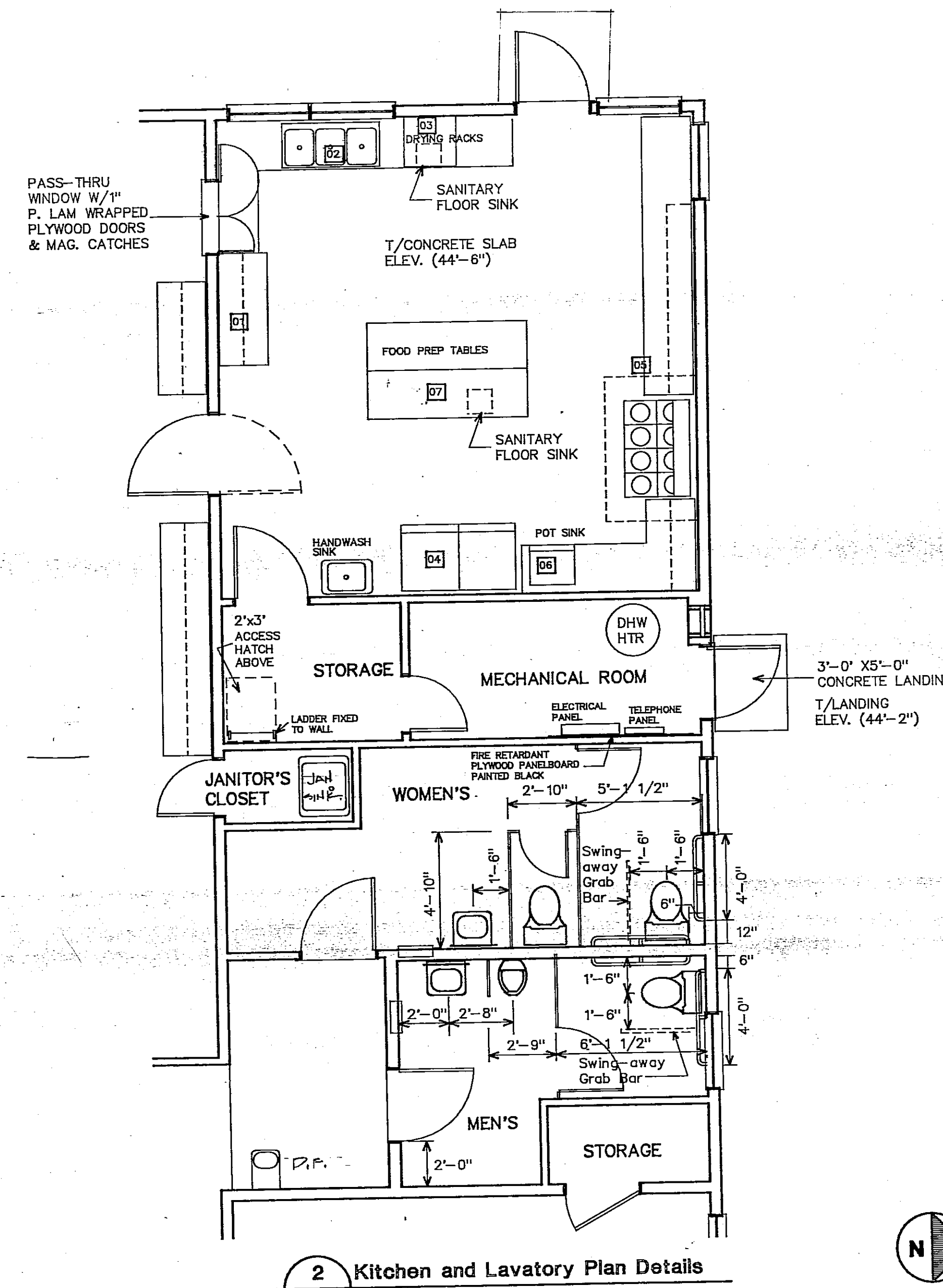
4 PARTITION TYPE B DETAIL  
A-2 Scale: 1" = 1'-0"



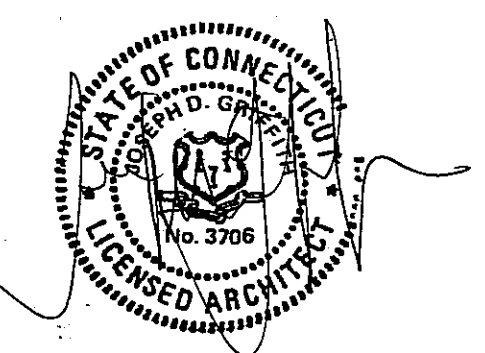
5 PARTITION TYPE C DETAIL  
A-2 Scale: 1" = 1'-0"



6 SOFFIT DETAIL  
A-2 Scale: 1" = 1'-0"



2 Kitchen and Lavatory Plan Details  
A2 Scale: 1/4" = 1'-0"



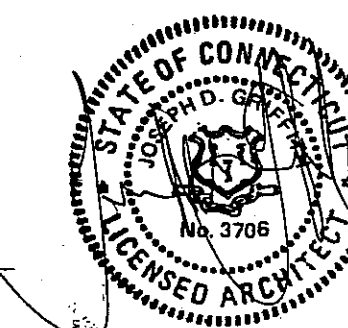
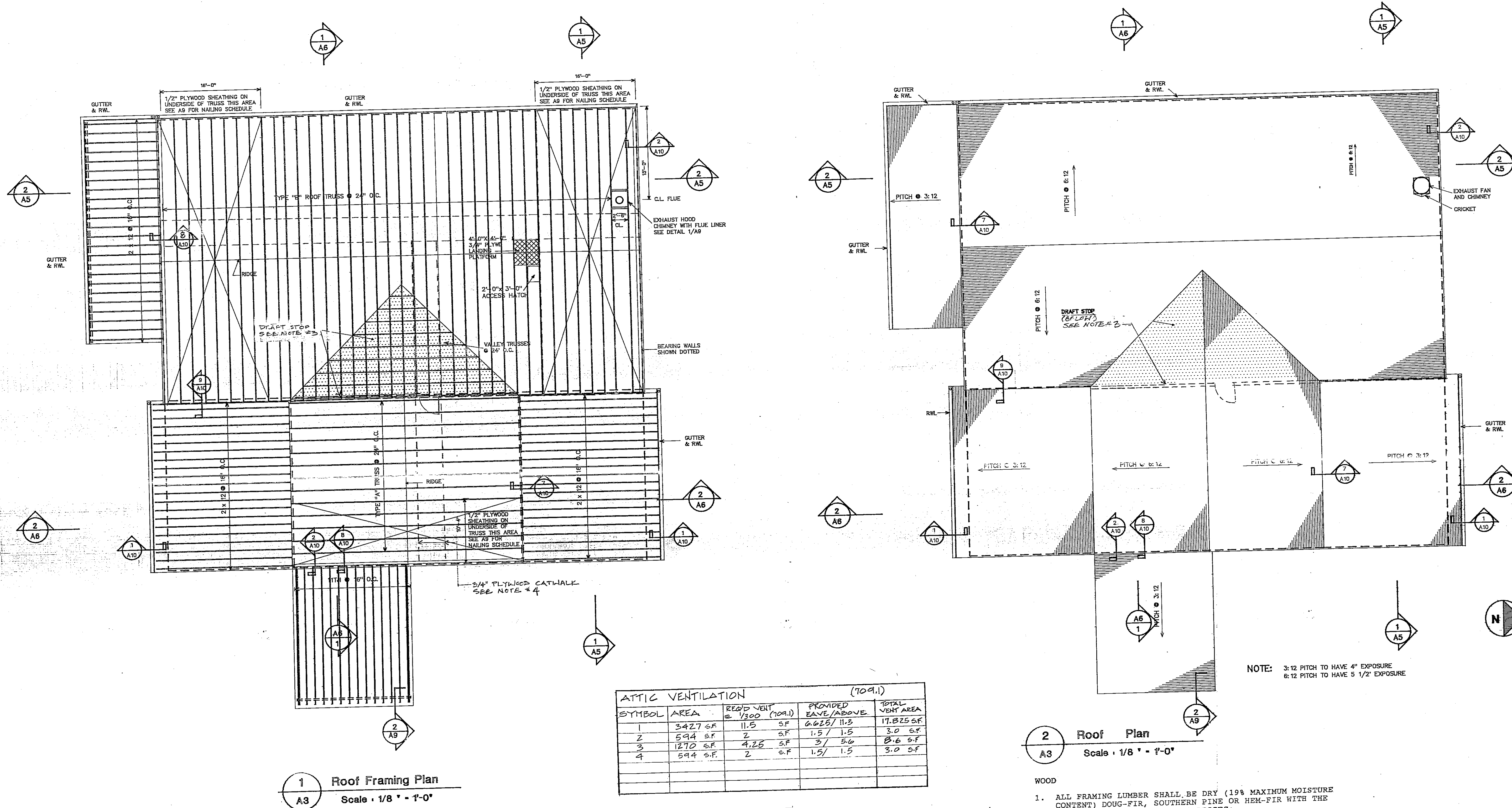
Scale: as shown  
Project No.: 9318  
Date: December 7, 1994  
Issued for Permit 1/5/95

A2

Roof Framing Plan /  
Roof Plan

General Notes:

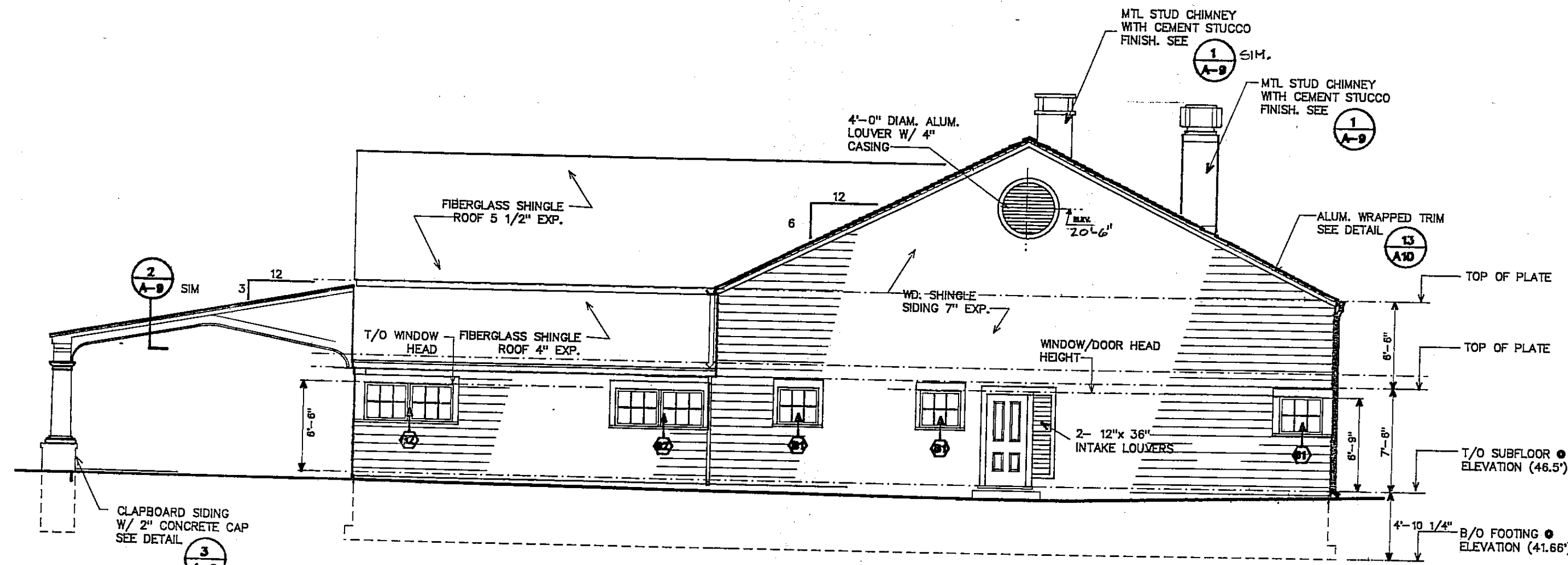
- 1.) All Gutters shall be 6" opening, .032" thick aluminum or as otherwise indicated.
- 2.) Provide 4" diameter plain round downspouts, .024 thick aluminum.
- 3.) Provide continuous draft stop partition, 2x4 studs @ 24" O.C. w/ 5/8" G.W.B. both sides w. 1) 3'-0" wide door in hollow metal frame on self closing hinges.
- 4.) Provide 4'-0" wide 3/4" plywood catwalk on top of truss cord.



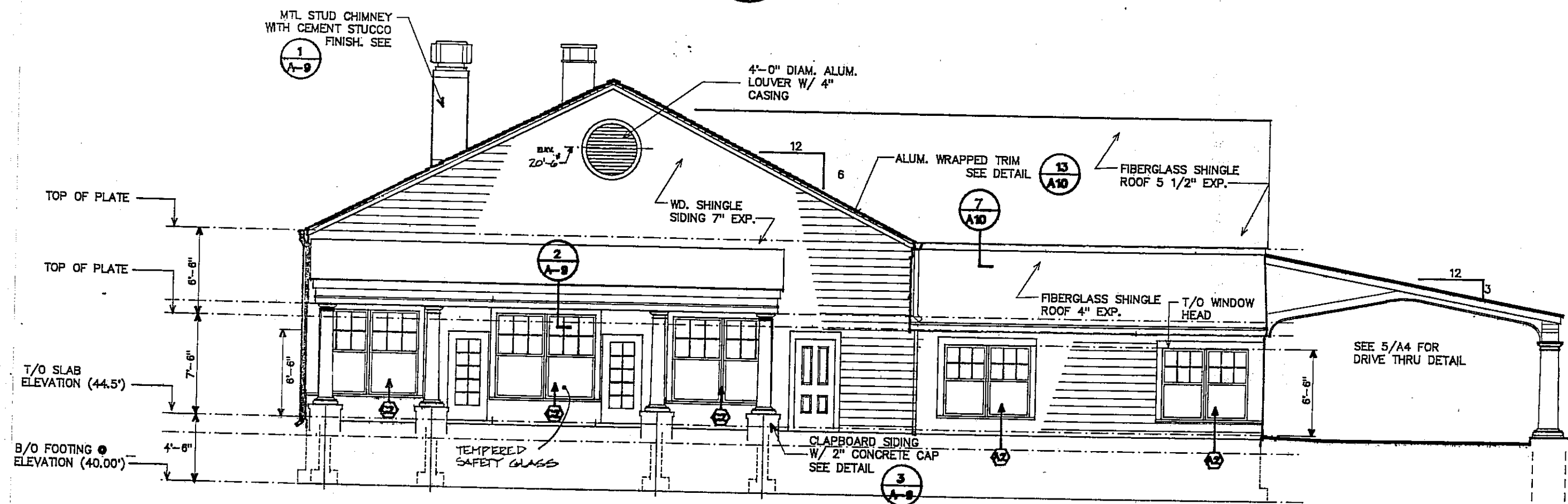
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Project No.: 9318  
Date: December 7, 1994  
Revision Date: 1/9/95  
Issued for Permit

**A3**

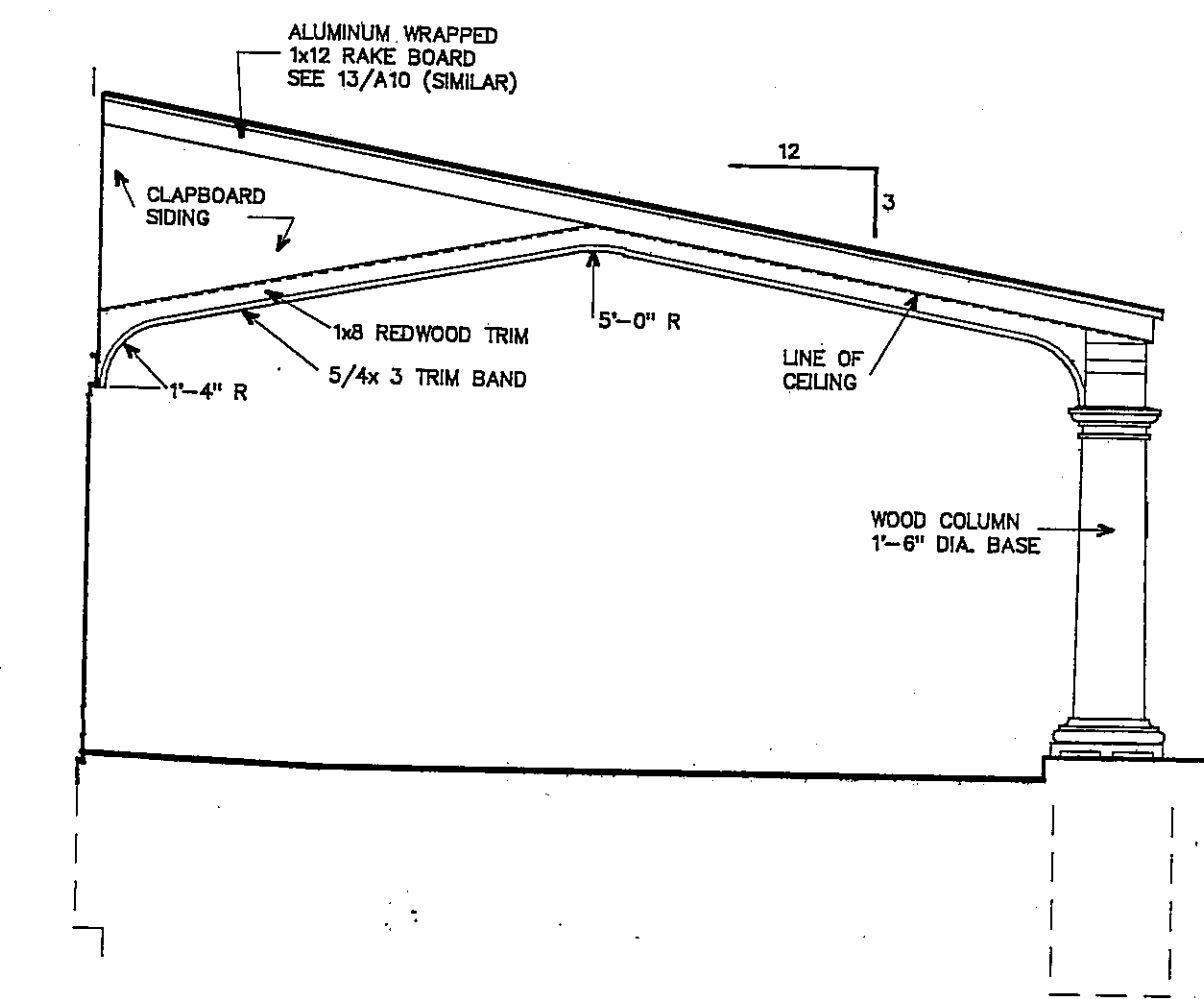
Building Elevations



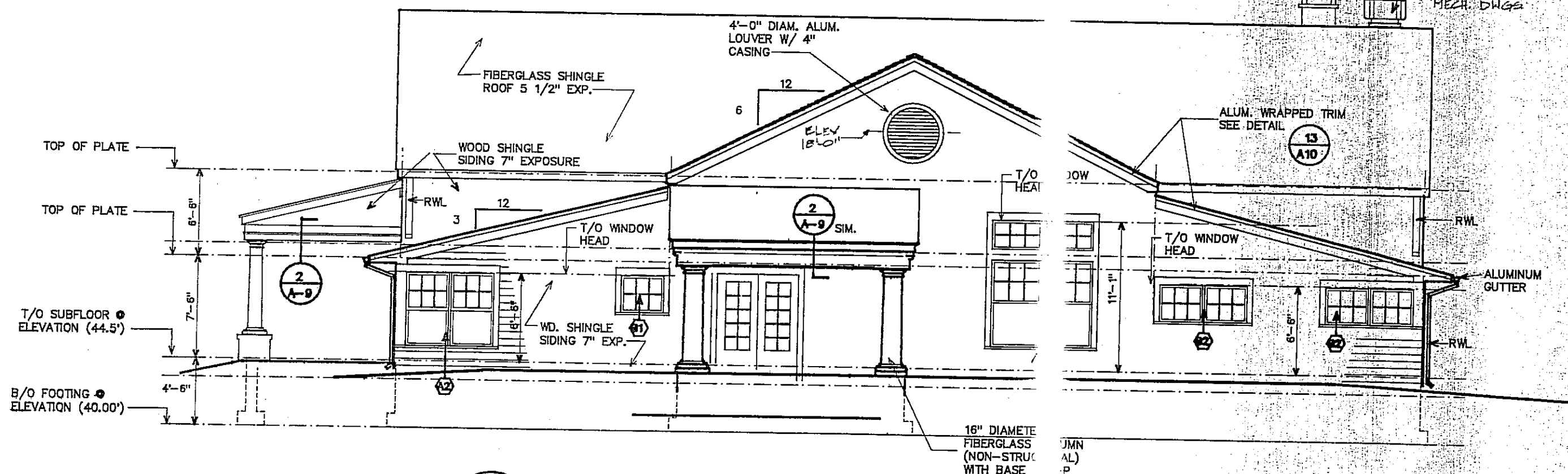
1 NORTH ELEVATION  
Scale: 1/8" = 1'-0"



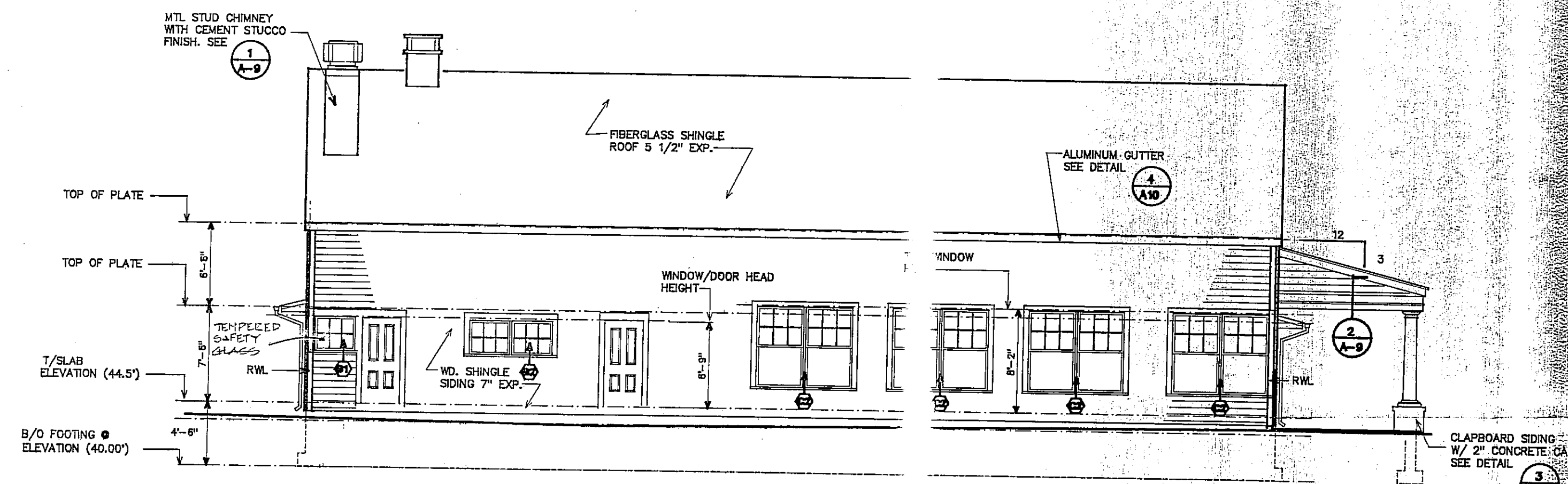
3 SOUTH ELEVATION  
Scale: 1/8" = 1'-0"



5 ELEVATION DETAIL  
Scale: 1/4" = 1'-0"



2 EAST ELEVATION  
Scale: 1/8" = 1'-0"



4 WEST ELEVATION  
Scale: 1/8" = 1'-0"

Schedule of Aluminum Cladding Thickness

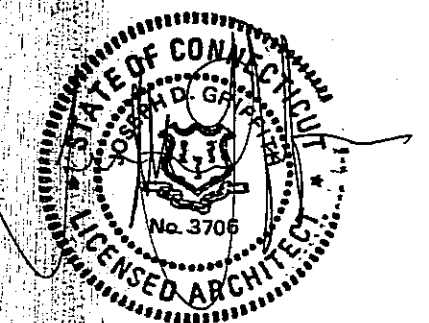
1) Provide aluminum cladding in profiles indicated or as required with factory applied baked enamel finish, color as selected by Architect.

| MINIMUM FACE DIMENSIONS | ALUMINUM THICKNESS |
|-------------------------|--------------------|
| 0" - 2" 019"            | 0.031"             |
| 2" - 5" 024"            | 0.032"             |
| 5" - 12" 032"           | 0.035"             |
| 12" or more             | 0.040"             |

2) Conceal prefinished fasteners except as approved by Architect.

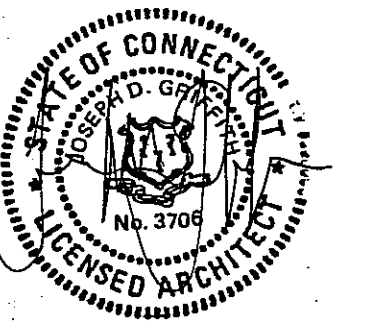
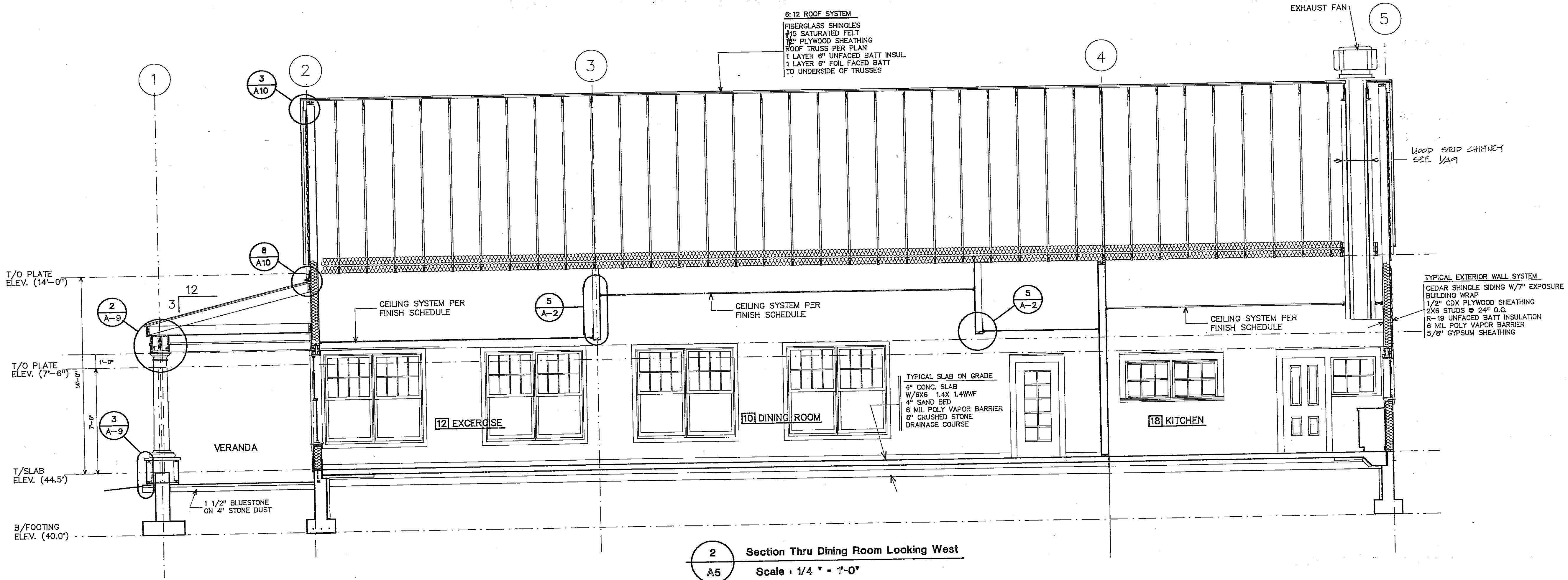
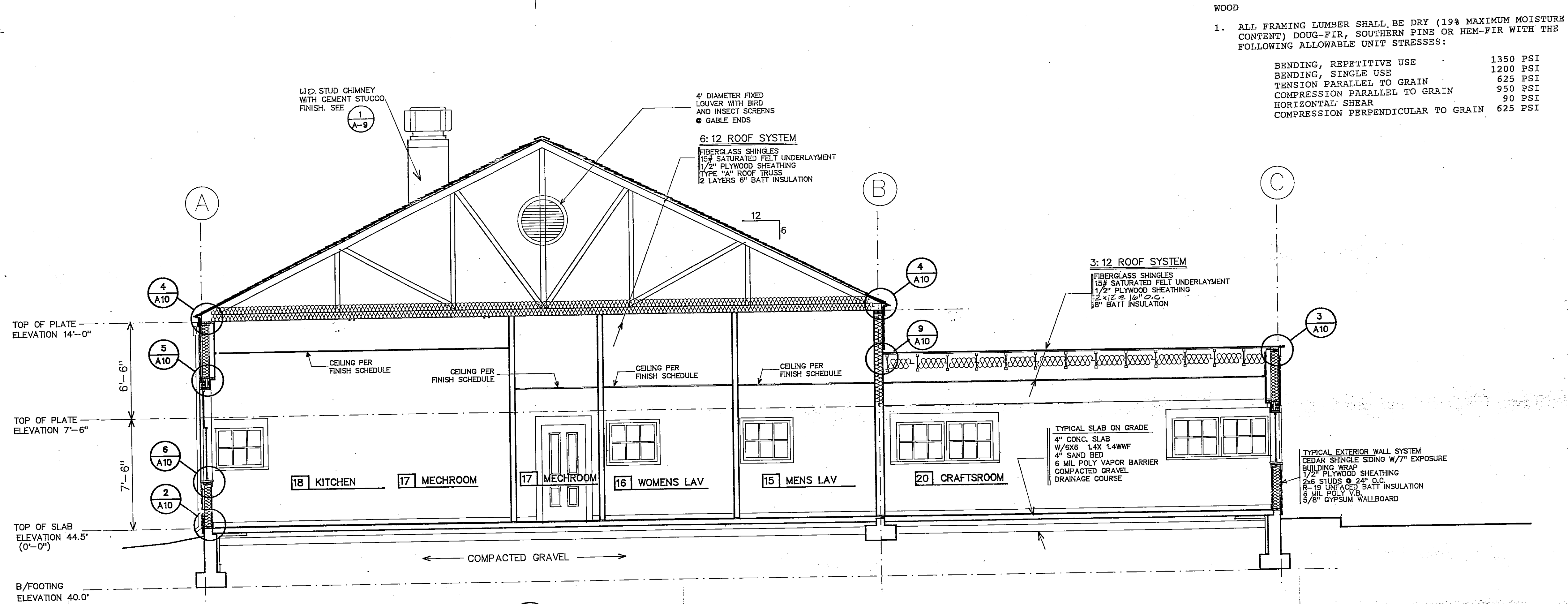
3) Pre-drill aluminum for fasteners providing 1/32" larger diameter hole for each fastener. Leave fastener head up from face of aluminum allowing for thermal movement.

4) Provide aluminum sections in lengths not exceeding 12'-6", fastening and lapping allowing for thermal movement.



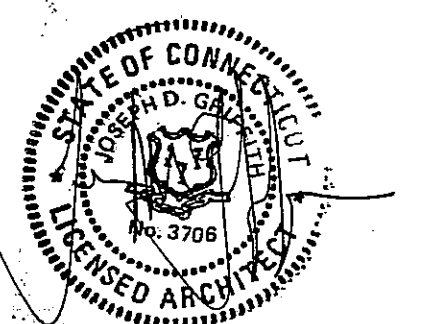
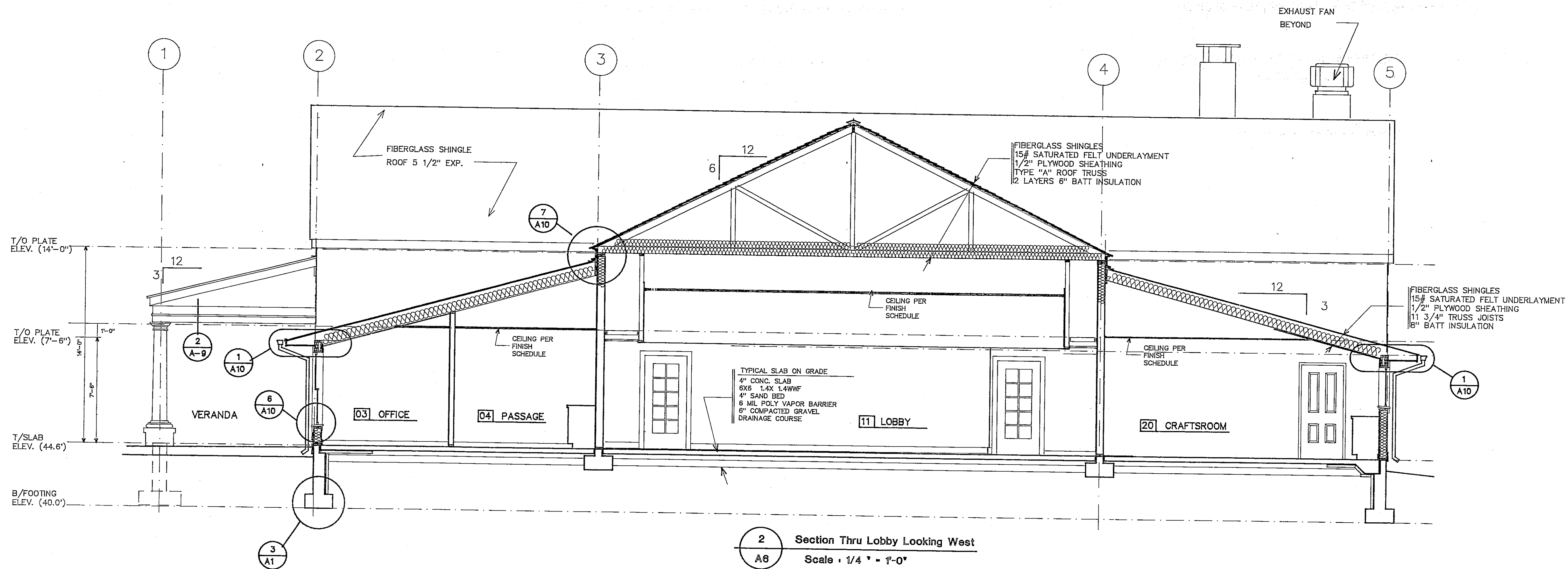
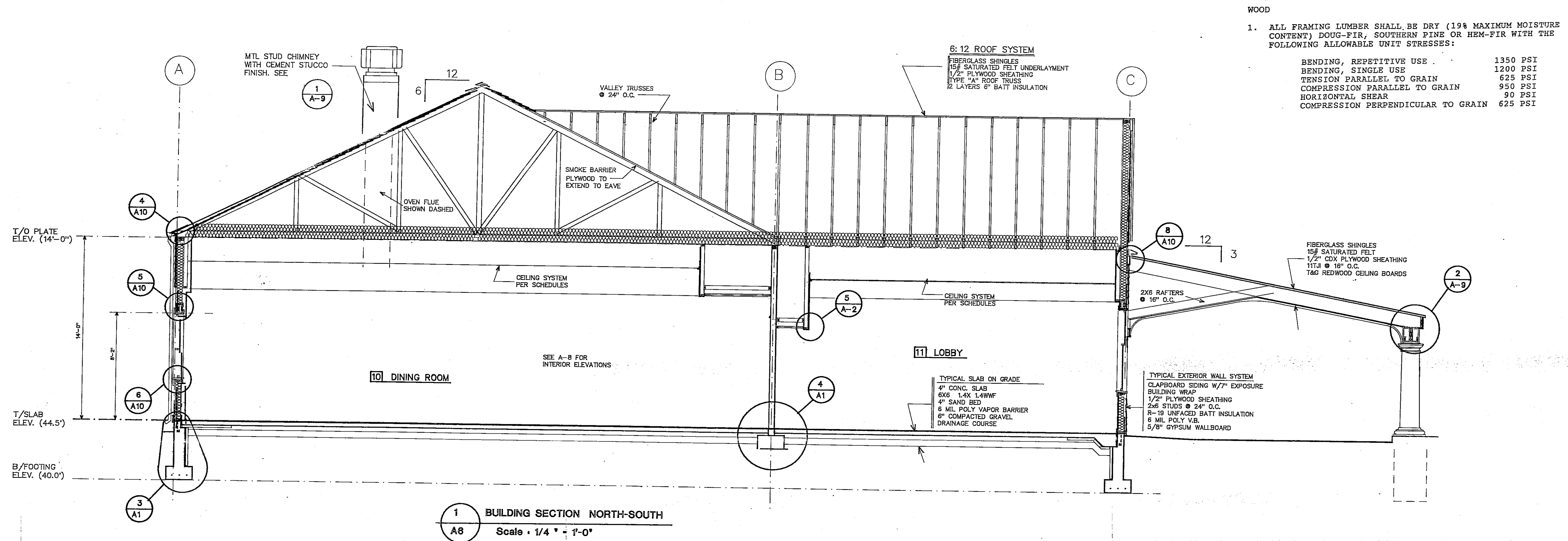
Scale: 1/8" = 1'-0"  
Project No.: 9318  
Date: December 7, 1994  
Issued for Permit 1/5/95

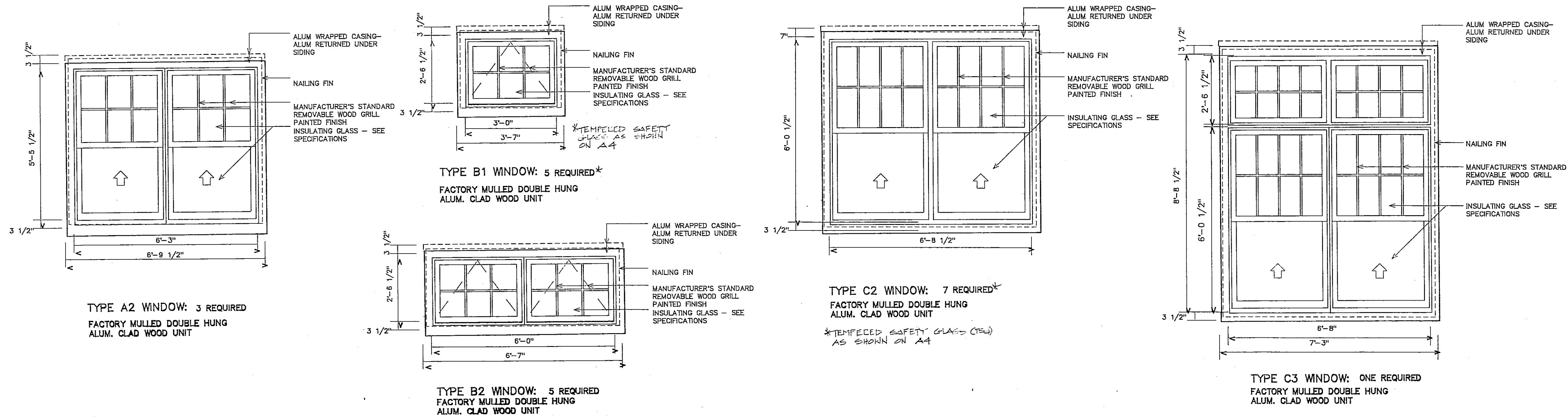
A4



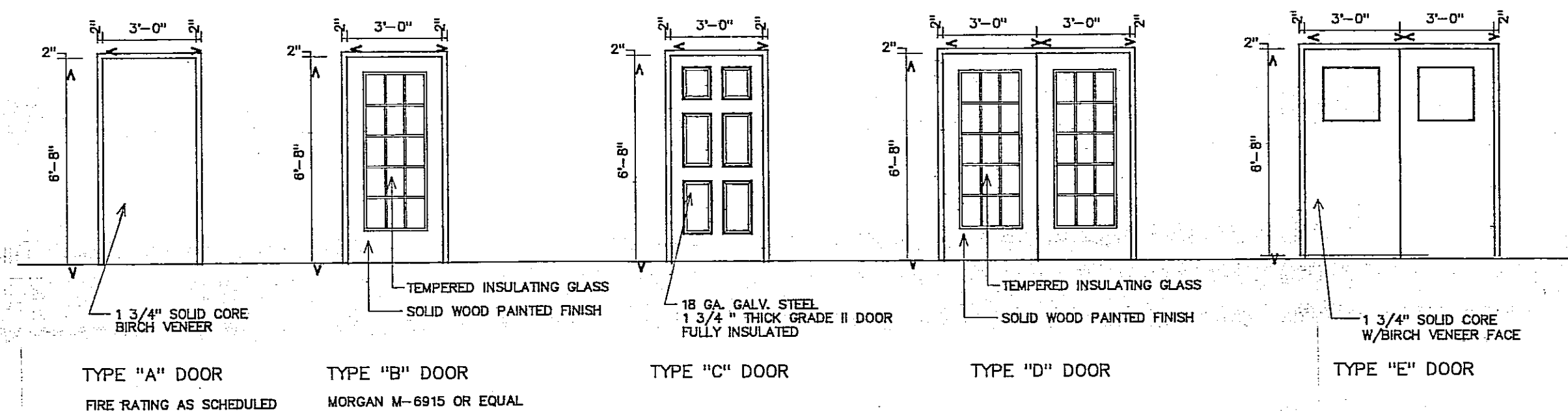
Scale: 1/4" = 1'-0"  
Project No.: 9318  
Date: December 7, 1994  
Issued for Permit 1/5/95

A5





WINDOW TYPES SCALE: 1/2" = 1'-0"



DOOR TYPES SCALE: 1/4" = 1'-0"

- 2 LAYERS 3/8" TYPE X GYPSUM BD TO UNDERSIDE OF HOOD TRUSSES @ 24" O.C.
- BASE & FACE LAYER JOINTS OFFSET 24"
- 1/4" TYPE S DRYWALL - SCREEN 24" O.C. & BASE LAYER 1/2" TYPE S DRYWALL SCREEN @ 12" O.C. & FACE LAYER.
- PLUMBING SHEATHING @ 24" O.C. TRUSSES.
- ROOFING PER DRAWINGS CLASS A

THE CEILING SYSTEM

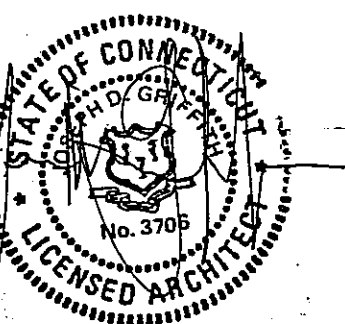
GA FIL 112, RC 2601  
PER ASTM E-119

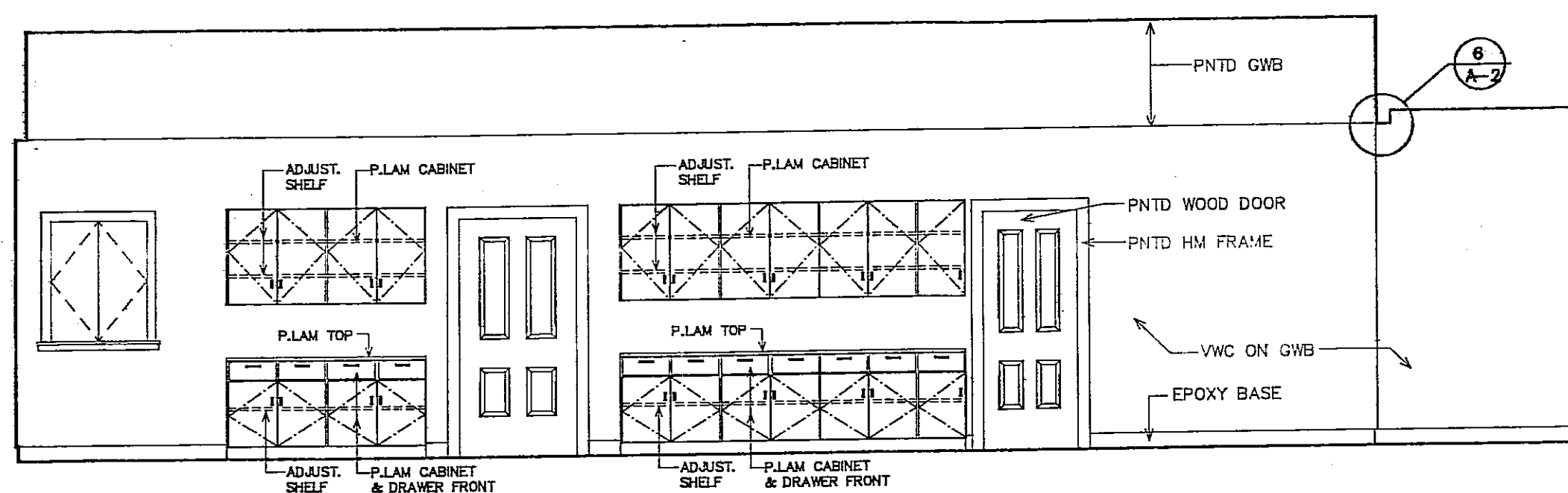
Door Schedule Revised October 14, 1994

| No. | Room Name        | Door          |        | Type | Material        | Frame |      | Wall Thickness | Fire Rating | Hardware Type |
|-----|------------------|---------------|--------|------|-----------------|-------|------|----------------|-------------|---------------|
|     |                  | Size          | Action |      |                 | Mat'l | Type |                |             |               |
| 1   | FRONT ENTRY      | 2'3"-0"X6'-8" |        | D    | WOOD/GLASS      | WD    | 1    | 6 5/8"         | N.R.        | 1             |
| 2   | VESTIBULE        | 2'3"-0"X6'-8" |        | D    | WOOD/GLASS      | H.M.  | 2    | 6 3/4"         | N.R.        | 1             |
| 3   | STORAGE          | 3'-0"X6'-8"   |        | A    | SOLID CORE      | H.M.  | 2    | 6 3/4"         | N.R.        | 2             |
| 4   | OFFICE           | 3'-0"X6'-8"   |        | A    | SOLID CORE      | H.M.  | 2    | 4 7/8"         | N.R.        | 3             |
| 5   | OFFICE           | 3'-0"X6'-8"   |        | A    | SOLID CORE      | H.M.  | 2    | 4 7/8"         | N.R.        | 3             |
| 6   | WORK ROOM        | 3'-0"X6'-8"   |        | A    | SOLID CORE      | H.M.  | 2    | 4 7/8"         | N.R.        | 3             |
| 7   | DINING ROOM      | 3'-0"X6'-8"   |        | A    | SOLID CORE      | H.M.  | 2    | 6 3/4"         | N.R.        | 4             |
| 8   | STORAGE          | 2'3"-0"X6'-8" |        | A    | SOLID CORE      | H.M.  | 2    | 4 7/8"         | 45 MIN.     | 5             |
| 9   | EXT. STORAGE     | 3'-0"X6'-8"   |        | C    | INSULATED STEEL | WD    | 1    | 6 5/8"         | N.R.        | 6             |
| 10  | EXERCISE ROOM    | 3'-0"X6'-8"   |        | A    | SOLID CORE      | H.M.  | 2    | 4 7/8"         | N.R.        | 3             |
| 11  | TERRACE          | 3'-0"X6'-8"   |        | B    | WOOD GLASS      | WD    | 1    | 6 5/8"         | N.R.        | 7             |
| 12  | TERRACE          | 3'-0"X6'-8"   |        | B    | WOOD GLASS      | WD    | 1    | 6 5/8"         | N.R.        | 7             |
| 13  | EXT. DINING ROOM | 3'-0"X6'-8"   |        | C    | INSULATED STEEL | WD    | 1    | 6 5/8"         | N.R.        | 7             |
| 14  | KITCHEN          | 3'-0"X6'-8"   |        | E    | SOLID CORE WD   | H.M.  | 2    | 4 7/8"         | N.R.        | 8             |
| 15  | EXT. KITCHEN     | 3'-0"X6'-8"   |        | C    | INSULATED STEEL | WD    | 1    | 6 5/8"         | N.R.        | 7             |
| 16  | MECHANICAL ROOM  | 3'-0"X6'-8"   |        | C    | INSULATED STEEL | WD    | 1    | 6 5/8"         | N.R.        | 6             |
| 17  | STORAGE ROOM     | 3'-0"X6'-8"   |        | A    | SOLID CORE WD   | H.M.  | 2    | 4 7/8"         | N.R.        | 2             |
| 18  | MECHANICAL ROOM  | 2'-8"X6'-8"   |        | A    | SOLID CORE WD   | H.M.  | 2    | 6 1/8"         | 45 Min.     | 6             |
| 19  | JANITOR'S CLOSET | 3'-0"X6'-8"   |        | A    | SOLID CORE WD   | H.M.  | 2    | 4 7/8"         | N.R.        | 2             |
| 20  | WOMEN'S ROOM     | 3'-0"X6'-8"   |        | A    | SOLID CORE WD   | H.M.  | 2    | 6 3/4"         | N.R.        | 4             |
| 21  | MEN'S ROOM       | 3'-0"X6'-8"   |        | A    | SOLID CORE WD   | H.M.  | 2    | 6 3/4"         | N.R.        | 4             |
| 22  | STORAGE ROOM     | 3'-0"X6'-8"   |        | A    | SOLID CORE WD   | H.M.  | 2    | 6 3/4"         | N.R.        | 2             |
| 23  | CRAFTS ROOM      | 3'-0"X6'-8"   |        | A    | SOLID CORE WD   | H.M.  | 2    | 6 3/4"         | N.R.        | 3             |
| 24  | DINING ROOM      | 3'-0"X6'-8"   |        | A    | SOLID CORE WD   | H.M.  | 2    | 6 3/4"         | N.R.        | 4             |
| 25  |                  |               |        |      |                 |       |      |                |             |               |
| 26  |                  |               |        |      |                 |       |      |                |             |               |

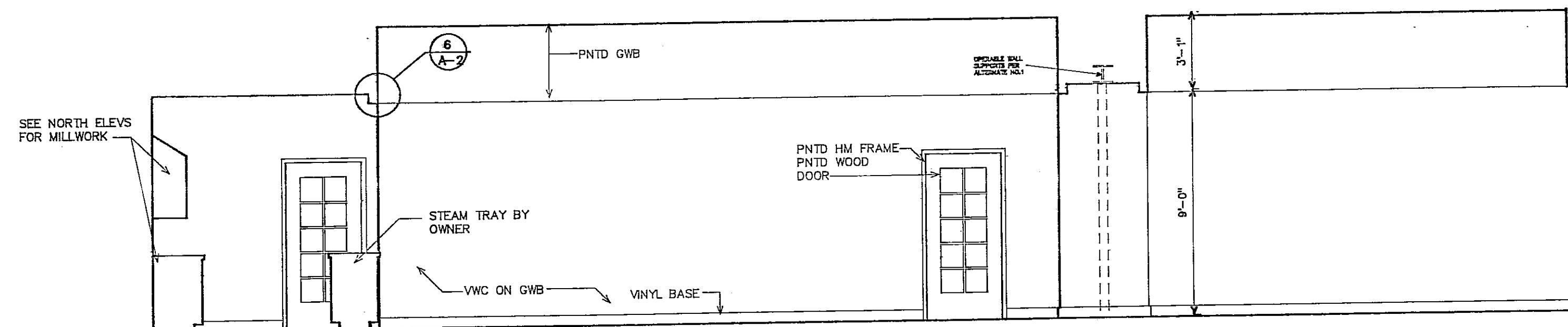
ROOM FINISH SCHEDULE

| Room No. | Room Name        | Floor          | Base               | Wall               |                    |                    |                    | Ceiling                  | Trim    | Comments |
|----------|------------------|----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------------|---------|----------|
|          |                  |                |                    | North              | East               | South              | West               |                          |         |          |
| 001      | VESTIBULE        | CARPET TYPE 2  | VINYL              | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #2              | PAINTED |          |
| 002      | COAT ROOM        | CARPET TYPE 1  | VINYL              | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #2              | PAINTED |          |
| 003      | OFFICE           | CARPET TYPE 1  | VINYL              | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #1/ PAINTED GWB | PAINTED |          |
| 004      | PASSAGE          | CARPET TYPE 1  | VINYL              | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #1              | PAINTED |          |
| 005      | STORAGE          | CARPET TYPE 1  | VINYL              | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | SUSP CLG #1              | PAINTED |          |
| 006      | OFFICE           | CARPET TYPE 1  | VINYL              | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #1/ PAINTED GWB | PAINTED |          |
| 007      | WORK ROOM        | CARPET TYPE 1  | VINYL              | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #1              | PAINTED |          |
| 008      | STORAGE          | VCT TYPE 1     | VINYL              | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB              | PAINTED | 1 HR     |
| 009      | STORAGE          | VCT TYPE 1     | VINYL              | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB              | PAINTED | 1 HR     |
| 010      | DINING ROOM      | EPOXY/CARPET 3 | VINYL              | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #2              | PAINTED |          |
| 011      | LOBBY            | CARPET TYPE 1  | VINYL              | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #2              | PAINTED |          |
| 012      | EXERCISE ROOM    | VCT TYPE 2     | VINYL              | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #2              | PAINTED |          |
| 013      | STORAGE          | EPOXY          | EPOXY COVE         | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB              | PAINTED | 1 HR     |
| 014      | STORAGE          | VCT            | VINYL              | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | SUSP CLG #1              | PAINTED |          |
| 015      | MEN'S LAVATORY   | EPOXY          | EPOXY COVE         | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #1              | PAINTED |          |
| 016      | WOMEN'S LAVATORY | EPOXY          | EPOXY COVE         | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #1              | PAINTED |          |
| 017      | MECHANICAL ROOM  | EPOXY          | EPOXY COVE         | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB              | PAINTED | 1 HR     |
| 018      | KITCHEN          | EPOXY          | EPOXY/ PAINTED GWB | EPOXY/ PAINTED GWB | EPOXY/ PAINTED GWB | EPOXY/ PAINTED GWB | EPOXY/ PAINTED GWB | EPOXY PAINTED GWB        |         |          |
| 019      | JANITORS CLOSET  | VCT            | VINYL              | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | SUSP CLG #1              |         |          |
| 020      | CRAFTS ROOM      | VCT TYPE 2     | VINYL              | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB        | PAINTED GWB / #1         |         |          |
| 021      | PASSAGE          | EPOXY          | EPOXY COVE         | VWCGWB             | VWCGWB             | VWCGWB             | VWCGWB             | SUSP CLG #1              |         |          |

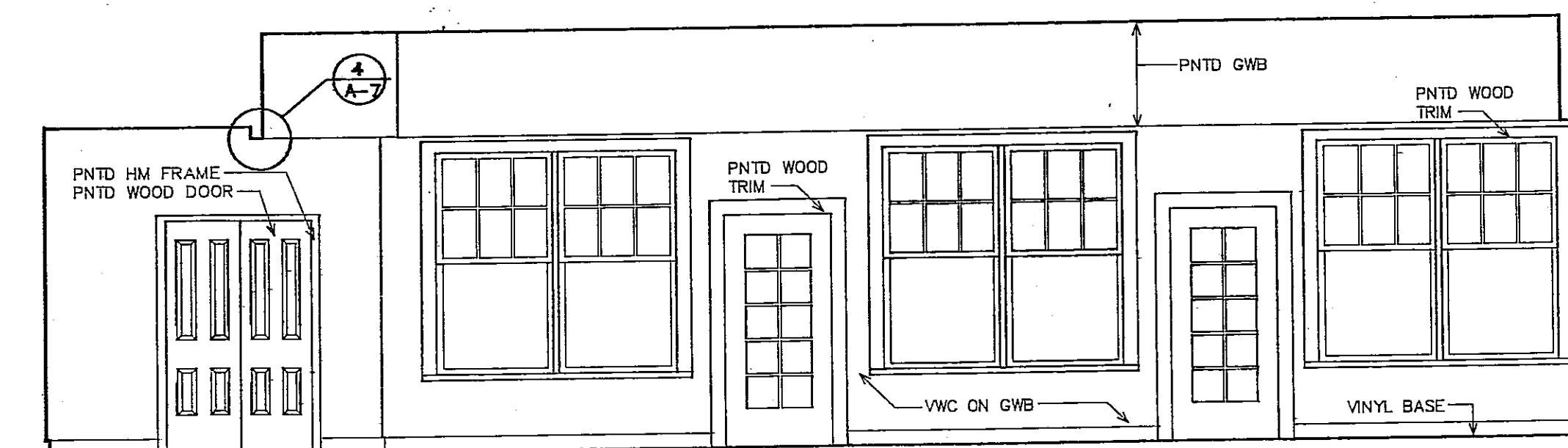




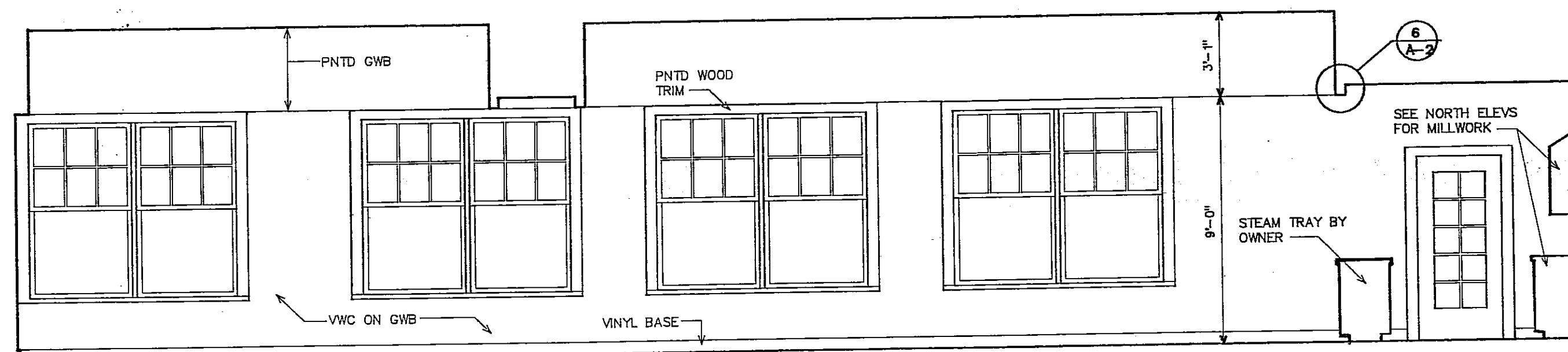
1 INTERIOR ELEVATION ROOM 10 LOOKING NORTH



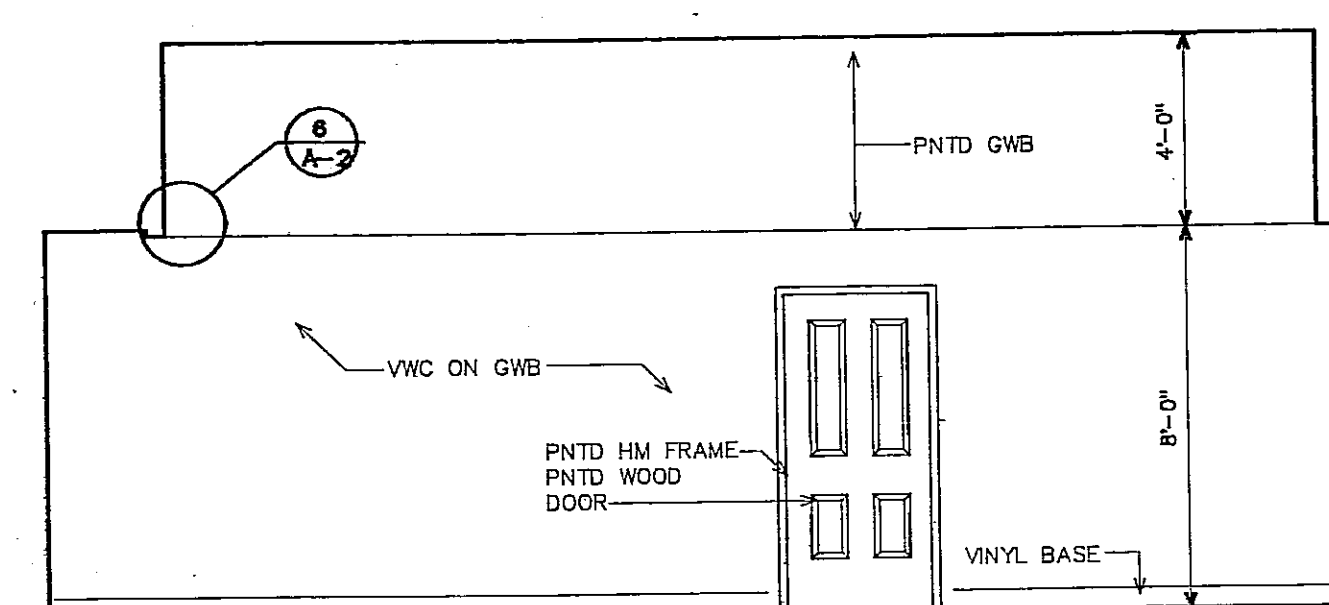
2 INTERIOR ELEVATION ROOMS 10&12 LOOKING EAST



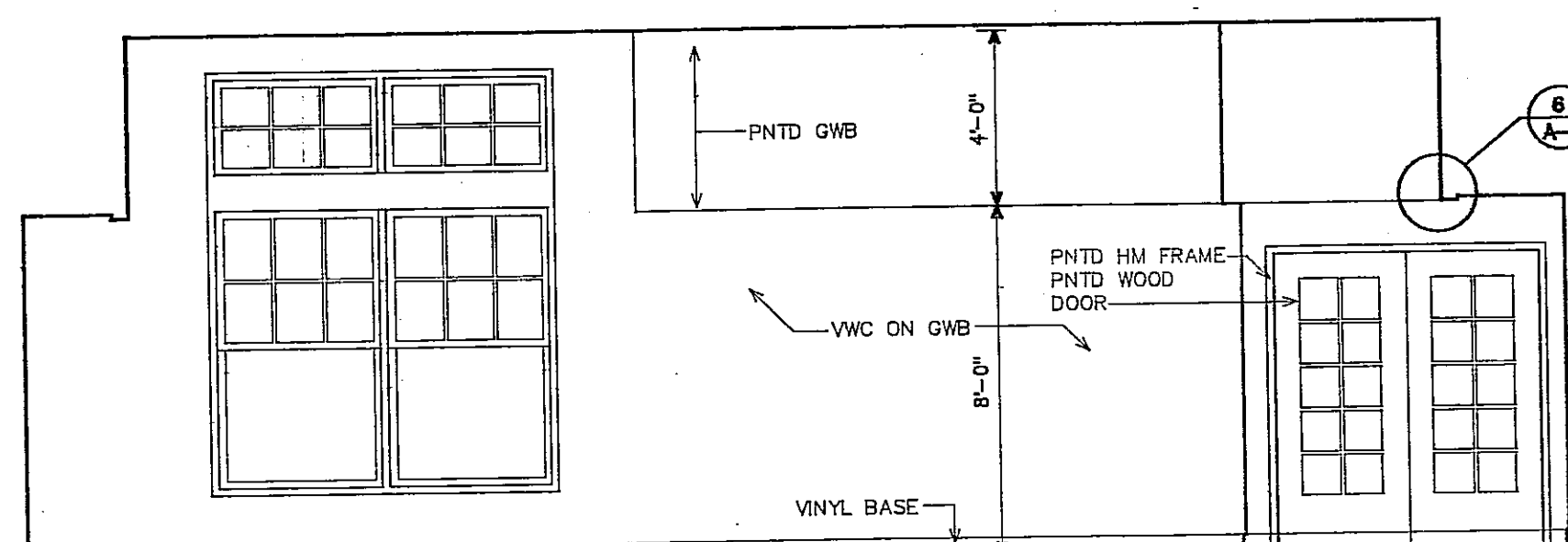
3 INTERIOR ELEVATION ROOM 10 LOOKING SOUTH



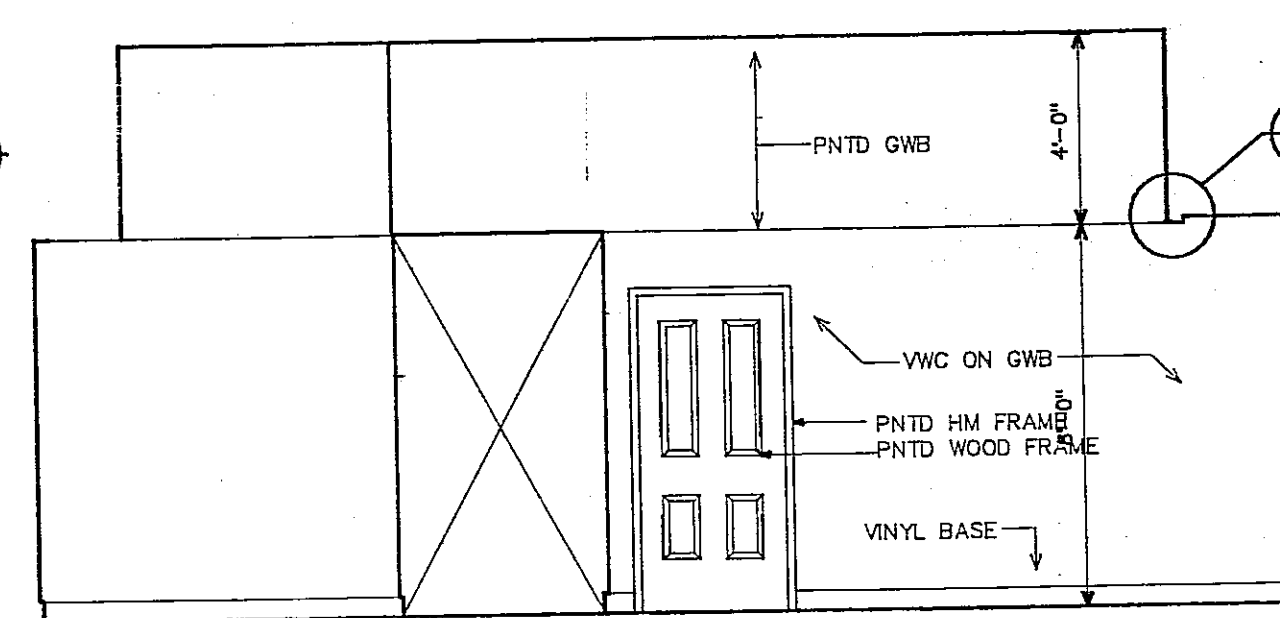
4 INTERIOR ELEVATION ROOMS 10&12 LOOKING WEST



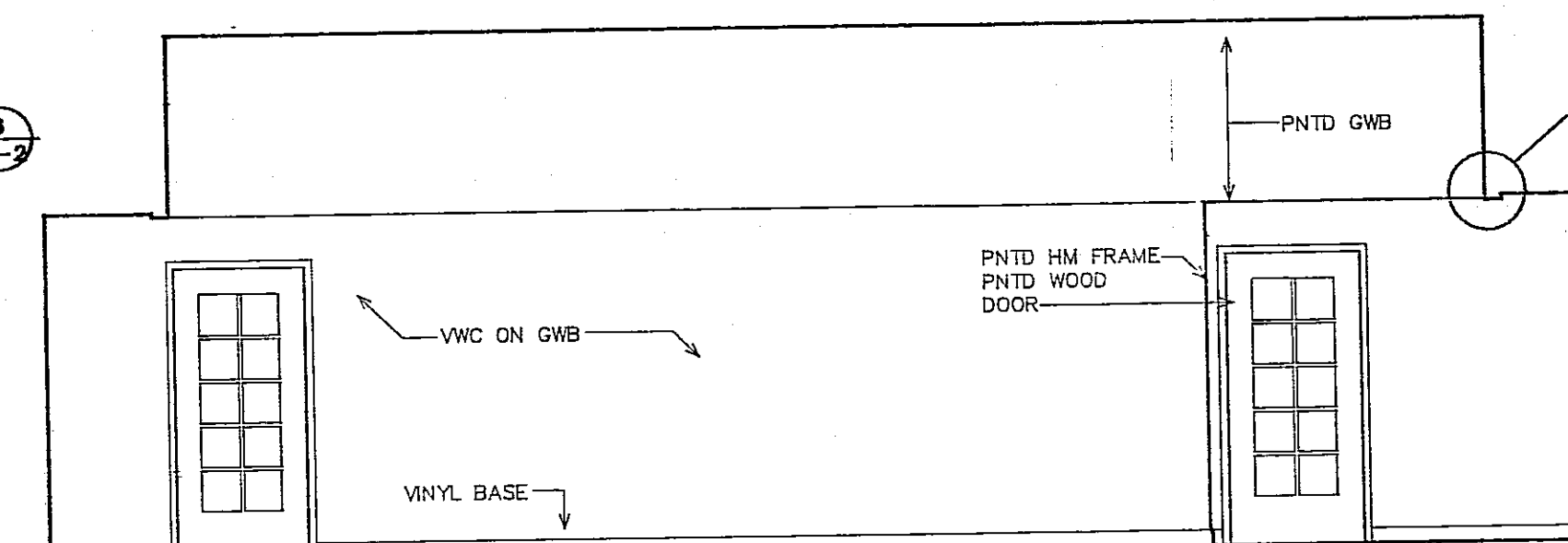
5 INTERIOR ELEVATION RM 11 LOOKING NORTH



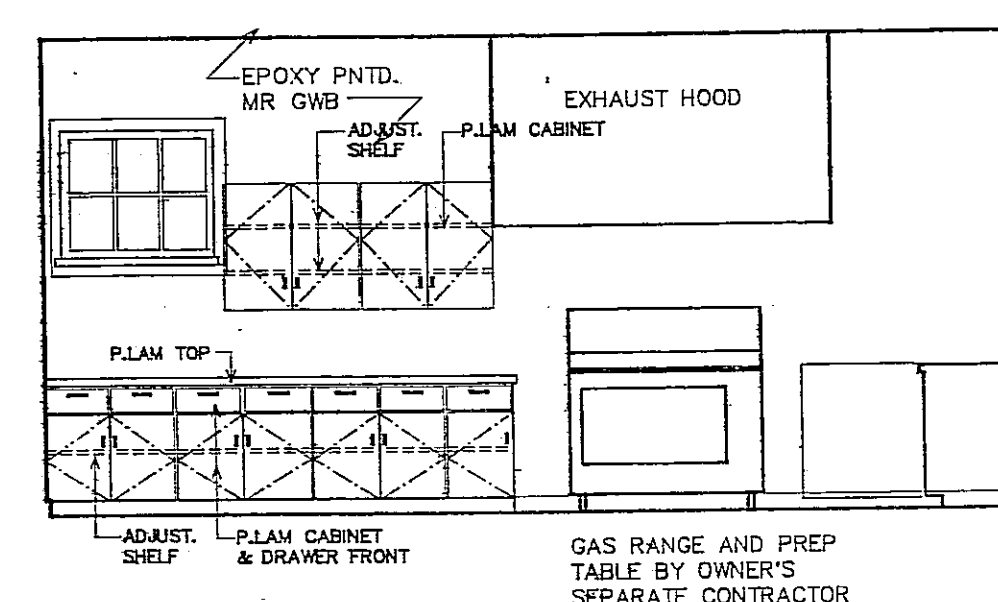
6 INTERIOR ELEVATION ROOM 11 LOOKING EAST



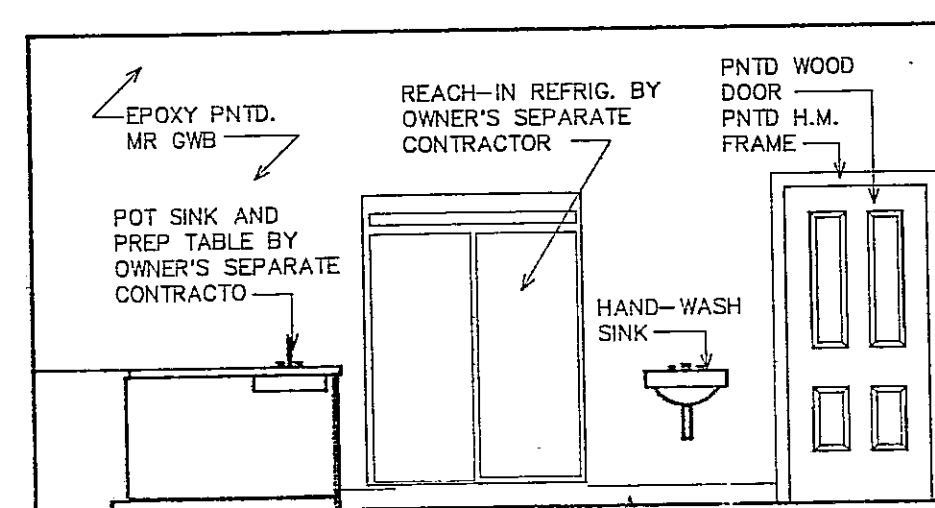
7 INTERIOR ELEV. ROOM 11 LOOKING SOUTH



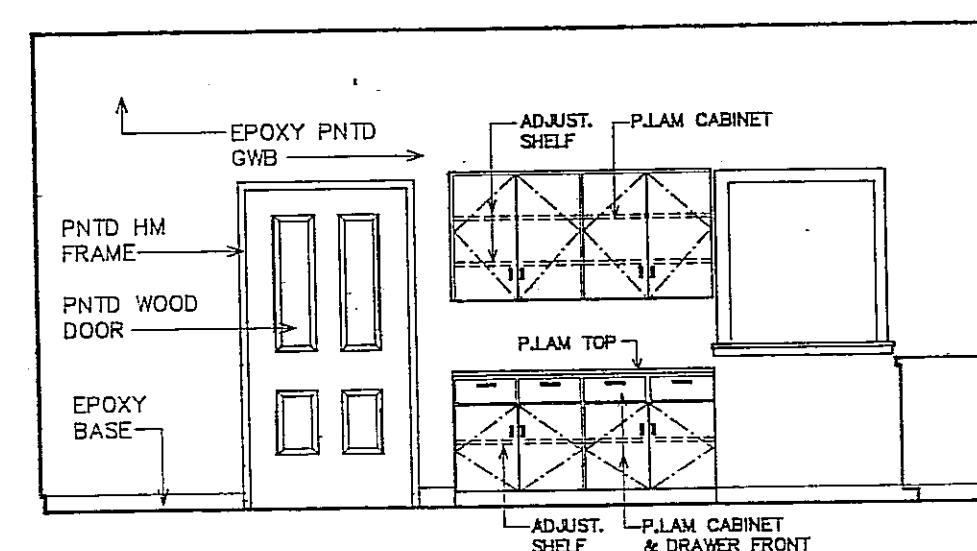
8 INTERIOR ELEVATION ROOM 11 LOOKING WEST



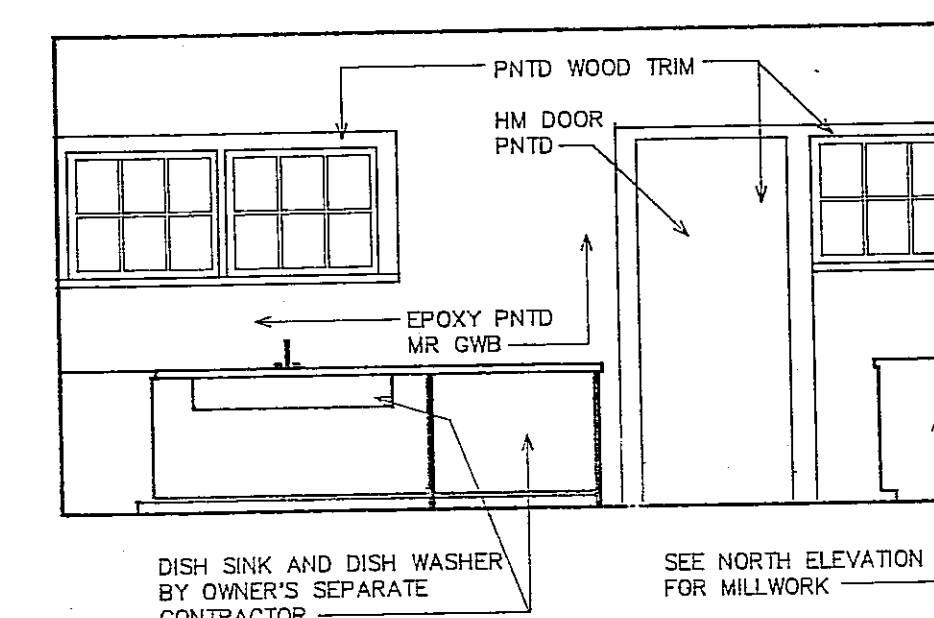
9 INT. ELEVATION ROOM 18 NORTH



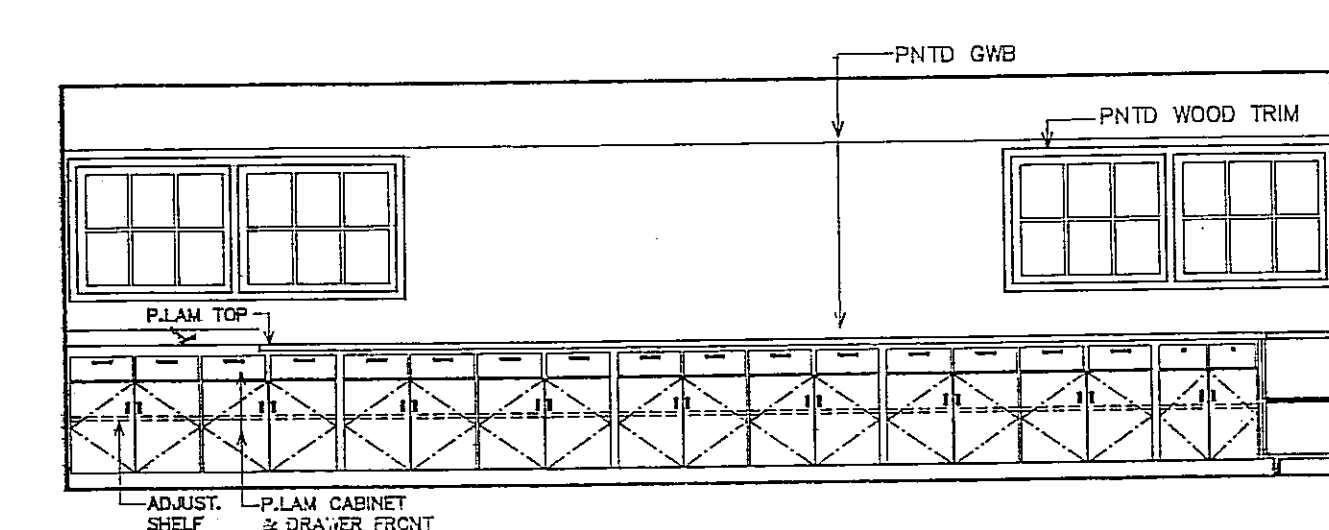
10 INT. ELEVATION RM 18 EAST



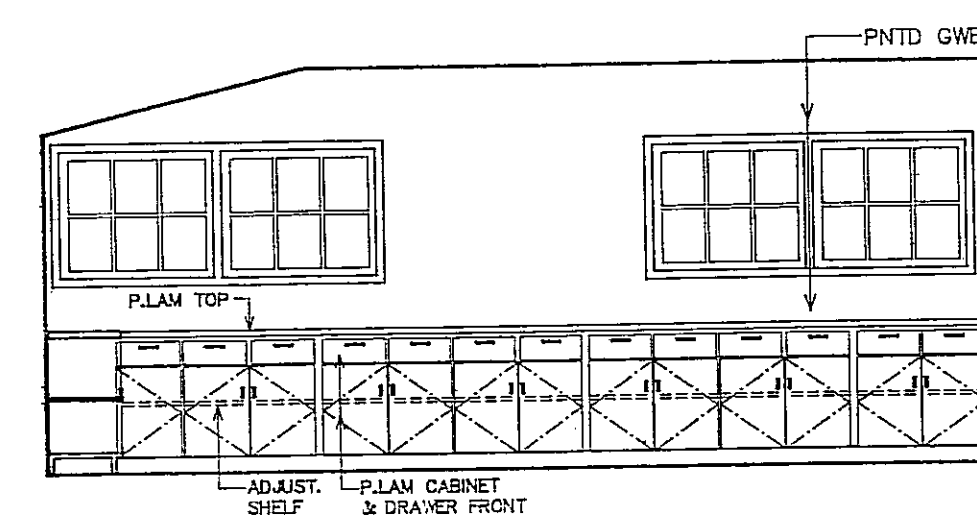
11 INT. ELEVATION RM 18 SOUTH



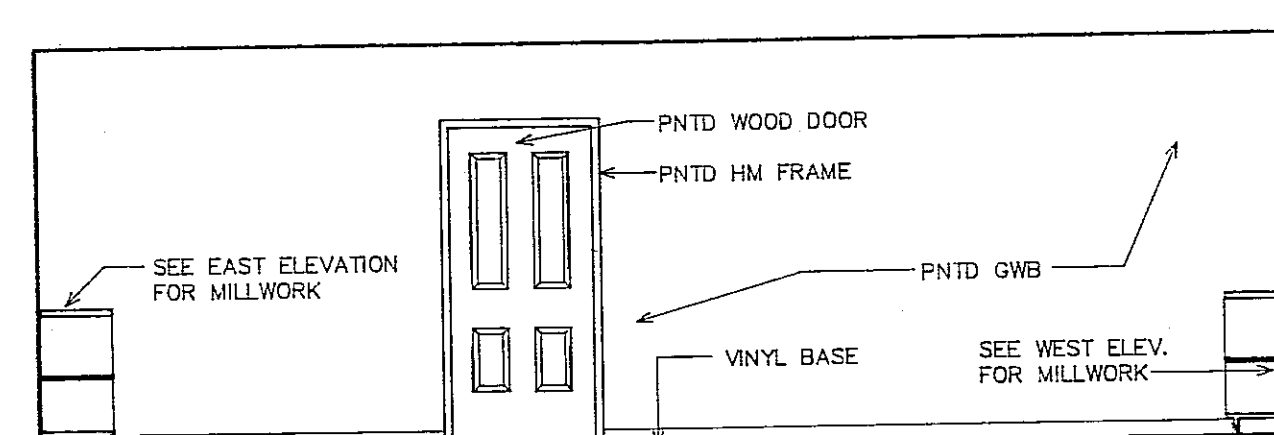
12 INT. ELEVATION RM 18 WEST



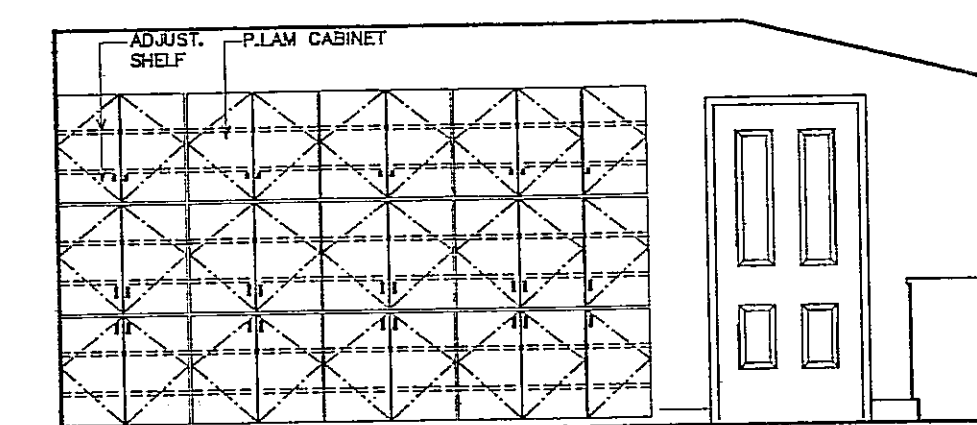
13 INTERIOR ELEV. ROOM 20 LOOKING NORTH



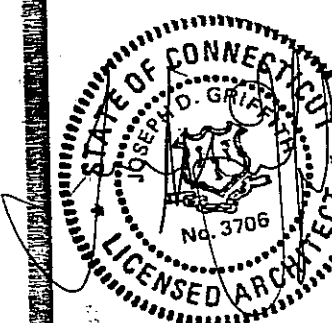
14 INT. ELEVATION RM 20 EAST



15 INTERIOR ELEV. ROOM 20 LOOKING SOUTH



16 INT. ELEVATION ROOM 20 WEST



WOOD

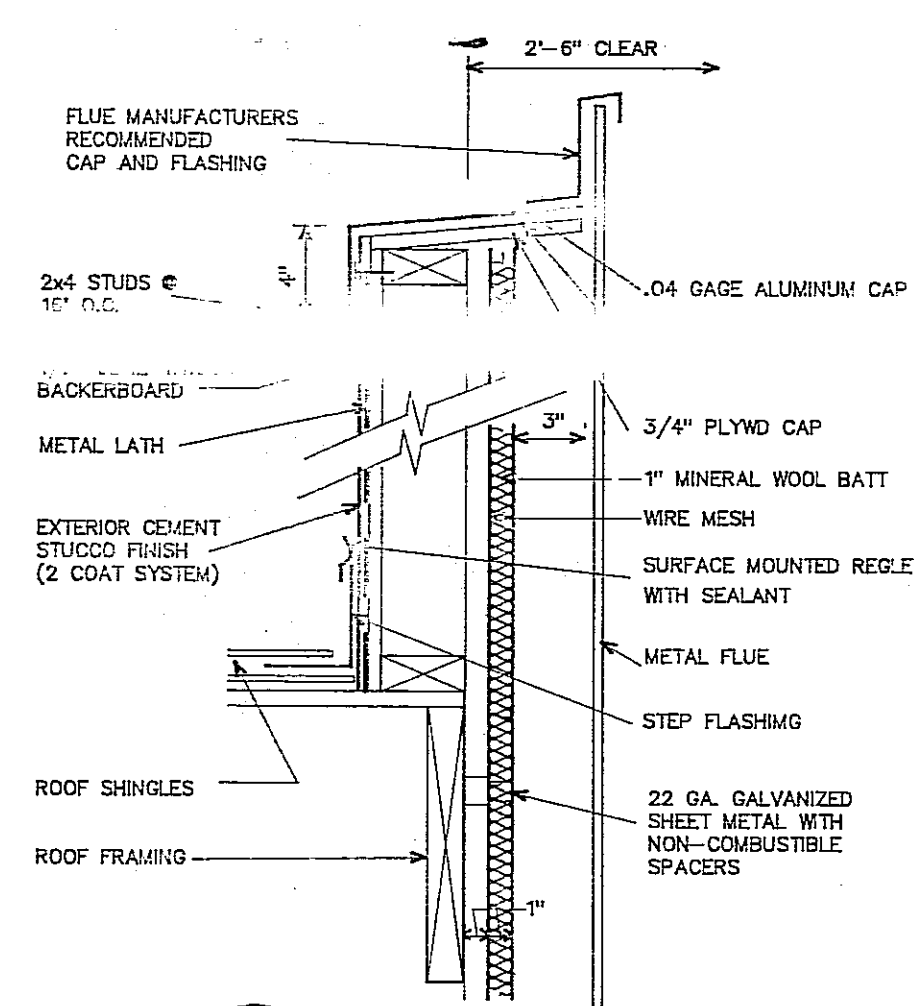
1. ALL FRAMING LUMBER SHALL BE DRY (19% MAXIMUM MOISTURE CONTENT) DOUG-FIR, SOUTHERN PINE OR HEM-FIR WITH THE FOLLOWING ALLOWABLE UNIT STRESSES:

|                                    |          |
|------------------------------------|----------|
| BENDING, REPETITIVE USE            | 1350 PSI |
| BENDING, SINGLE USE                | 1200 PSI |
| TENSION PARALLEL TO GRAIN          | 625 PSI  |
| COMPRESSION PARALLEL TO GRAIN      | 950 PSI  |
| HORIZONTAL SHEAR                   | 90 PSI   |
| COMPRESSION PERPENDICULAR TO GRAIN | 625 PSI  |

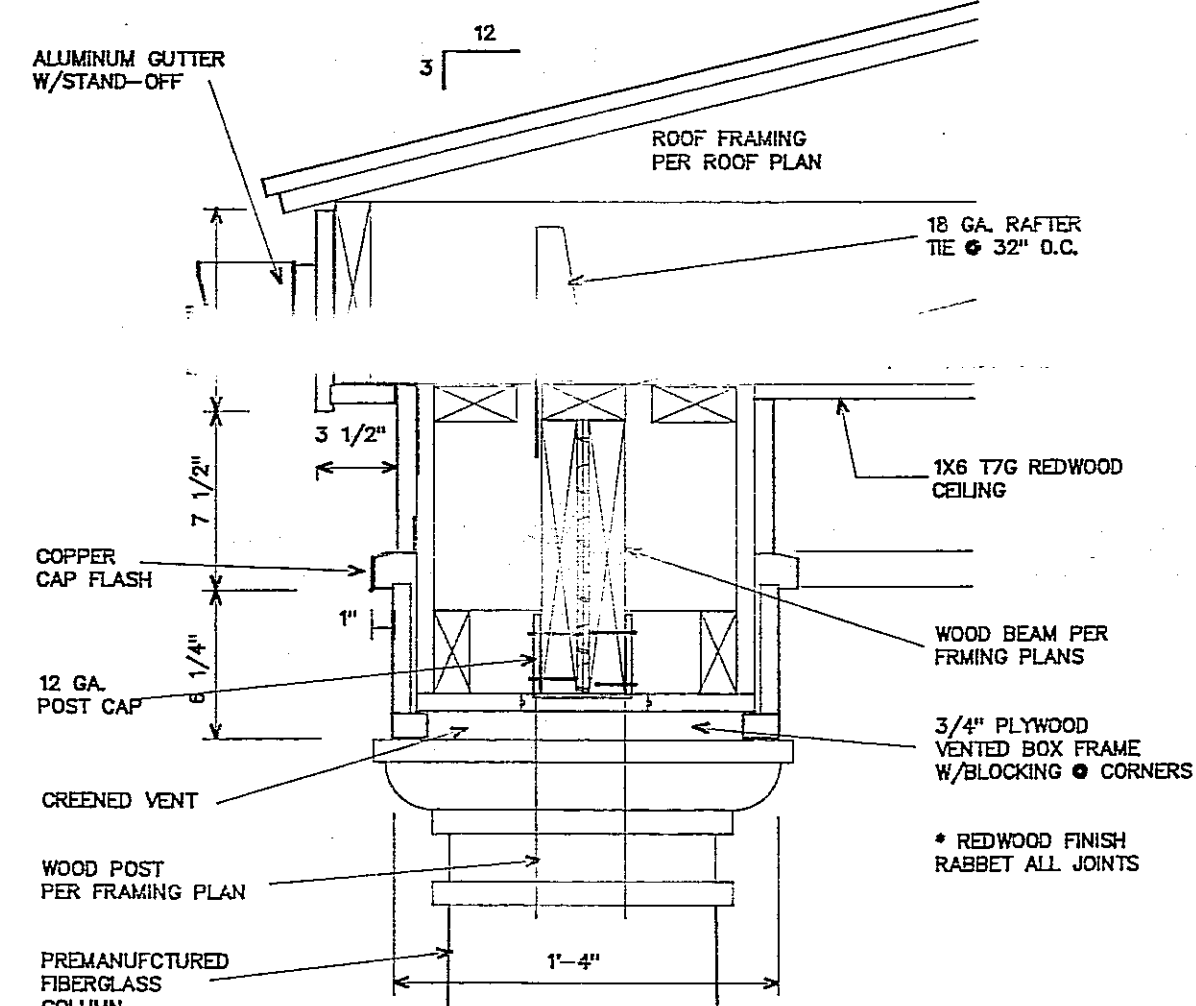
Lymes' Senior Center  
Town Woods Road  
Old Lyme, Connecticut

Joseph Griffith  
Architects  
124 Main Street  
Deep River, Connecticut  
06417

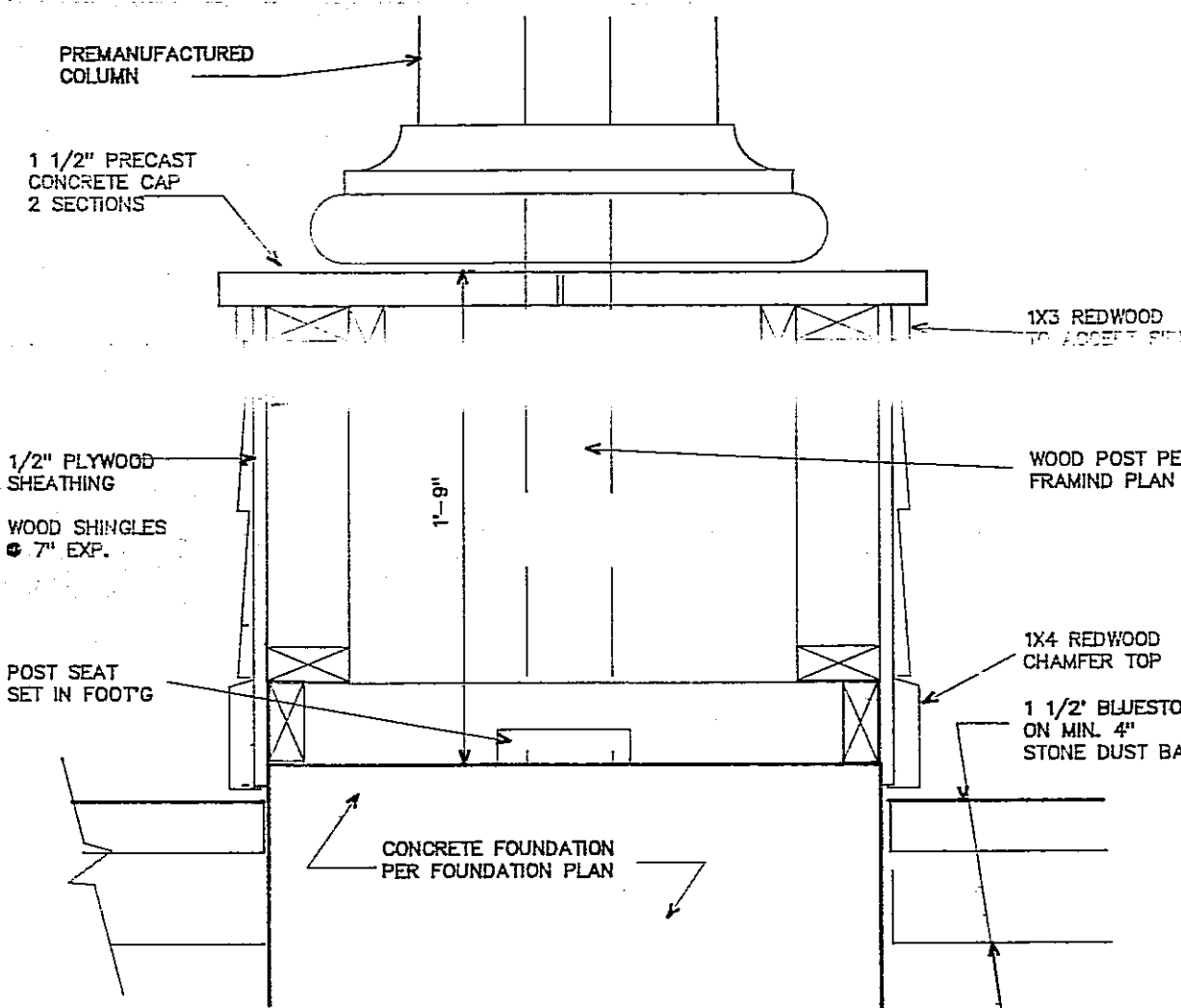
Interior Elevations / Details



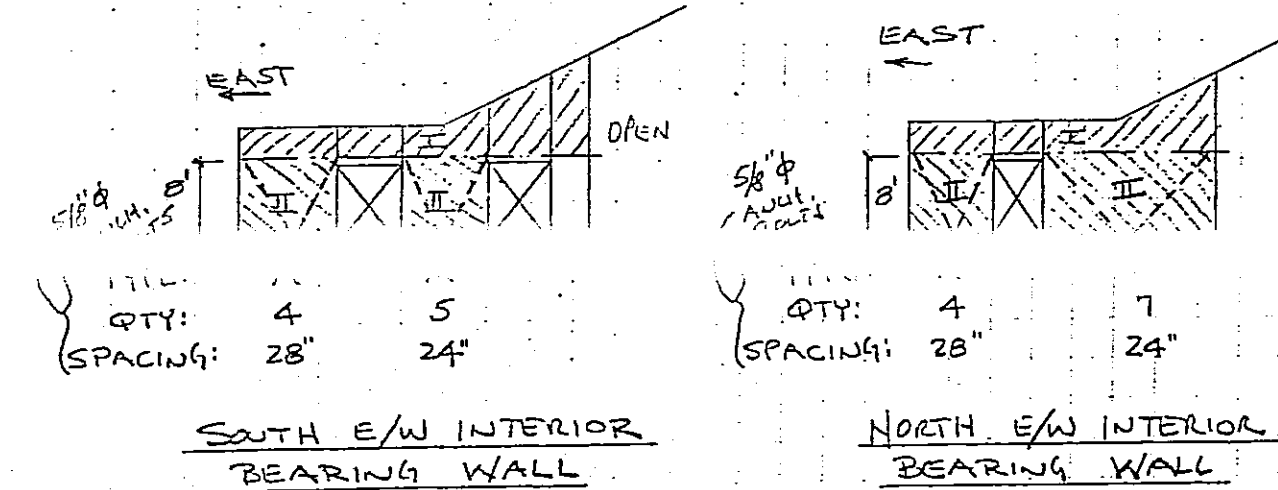
1 CHIMNEY DETAIL  
A9 SCALE : 1 1/2" = 1'-0"



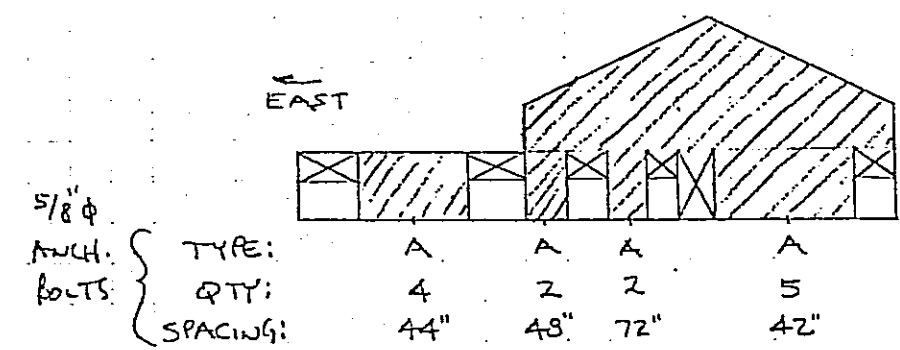
2 ENTABLATURE DETAIL  
A9 SCALE : 1 1/2" = 1'-0"



3 COLUMN BASE DETAIL  
A9 SCALE : 1 1/2" = 1'-0"



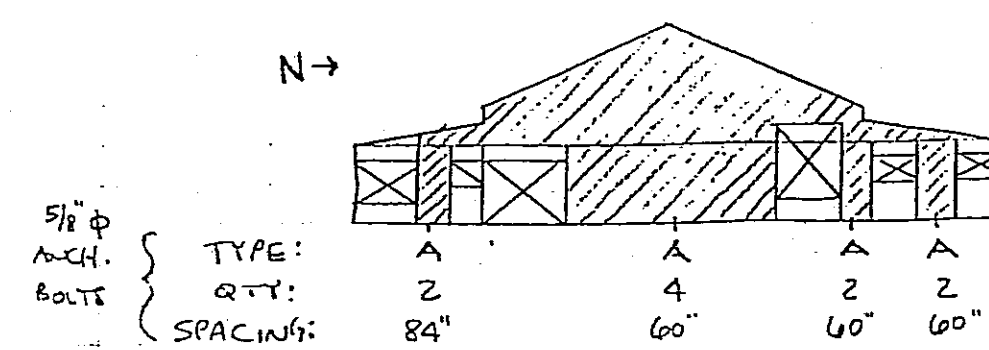
- Area I: (Above Ceilings)  
1. (1) Face - ext. wall Plywood Sheathing  
15/32" CDX, DFPA, structural II - blocked  
10d common @ 4" o.c. along panel edges & @ 12" o.c. intermediate  
2. (1) Face - int. gypsum wall  
5/8" gyp. board - blocked  
6d parker nails @ 4" o.c. all studs.
- Area II:  
1. (2) 5/8" gyp. board - blocked - (1) ea. face  
6d parker nails @ 4" o.c. all studs.  
2. 20 ga. T-Shape Wall Bracing  
TECO WB9-4, or equivalent  
(both sides - ea. way)



North Exterior Elevation

All Areas:

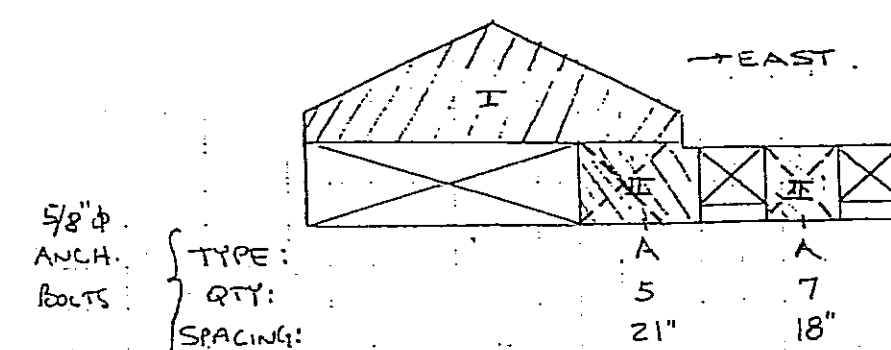
- Ext. wall Plywood Sheathing  
15/32" CDX, DFPA, structural II - blocked.  
10d Common @ 4" o.c. along panel edges  
& @ 12" o.c. intermediate.



East Exterior Elevation

All Areas:

- Ext. wall Plywood Sheathing  
15/32" CDX, DFPA, structural II - blocked.  
10d Common @ 4" o.c. along panel edges  
& @ 12" o.c. intermediate.



South Exterior Elevation

Area I &amp; II:

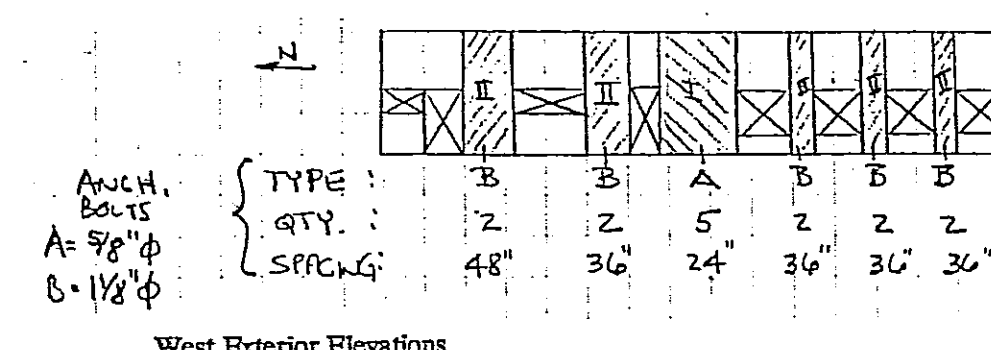
- Ext. wall Plywood Sheathing  
15/32" CDX, DFPA, structural II - blocked 10d common  
@ 4" o.c. along panel edges & 12" o.c. intermediate.

Area II:

- Int. Gypsum Wall  
5/8" Gyp. Board - blocked  
6d Parker nails @ 4" o.c. all studs.

Area II:

- 20 ga. T-Shape Wall Bracing  
TECO WB9-4, or equiv. 1-side, each way



West Exterior Elevation

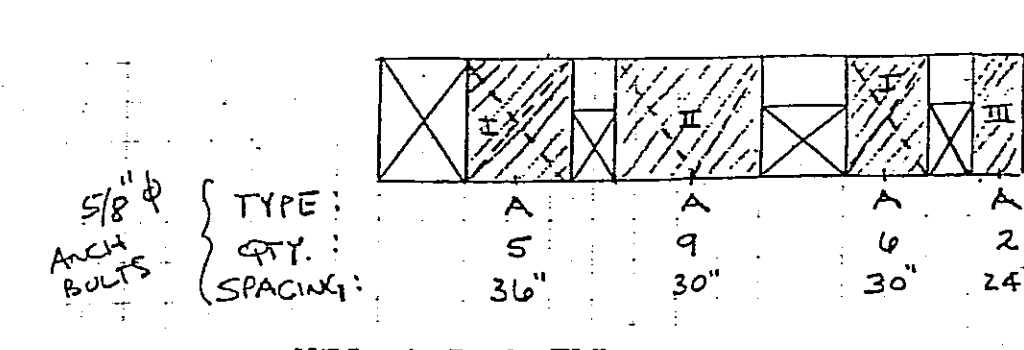
Area I &amp; II:

1. Ext. Wall Plywood Sheathing  
15/32" CDX, DFPA, structural II - blocked  
10d common @ 4" o.c. along panel edges  
& 12" o.c. intermediate.

2. Int. Gypsum wall  
5/8" gyp. board - blocked  
6d parker nails @ 4" o.c. all studs.

Area II:

3. Provide (2) TECO #KHD7 hold downs or equal per shear panel.  
Locate at corners of panel with 3" min. stud thickness, each.



N/S Interior Bearing Wall

All Areas:

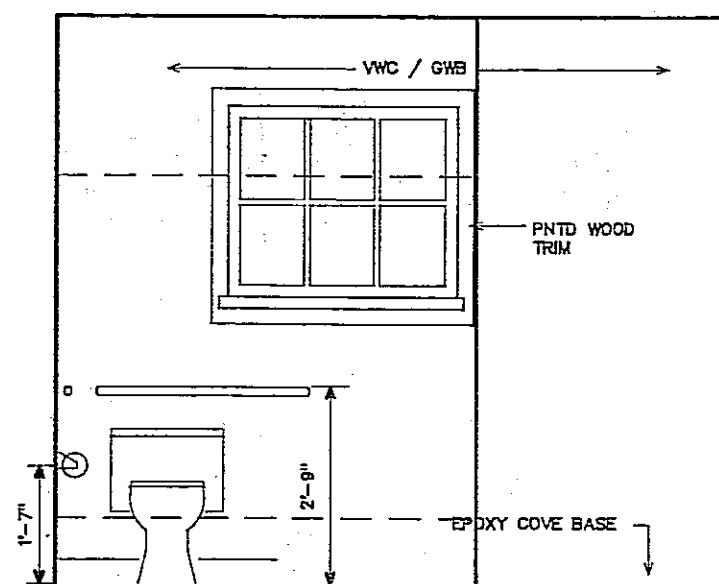
- (2) 5/8" gyp. board - blocked (1) ea. face  
6d parker nails @ 4" o.c. all studs.

Area I:

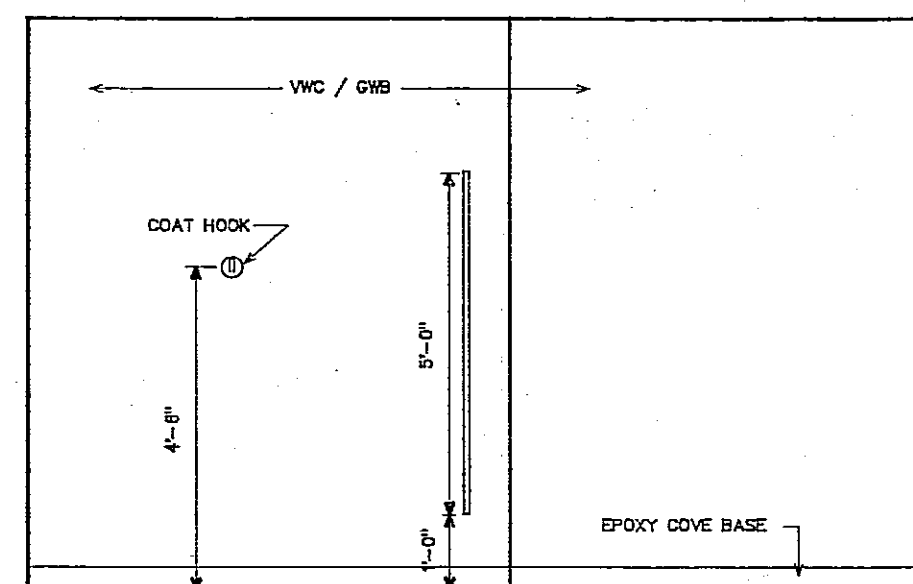
- 20 ga. T-Shape Wall Bracing  
TECO WB9-4, or equiv.  
(one side - ea. way)

AREA II:

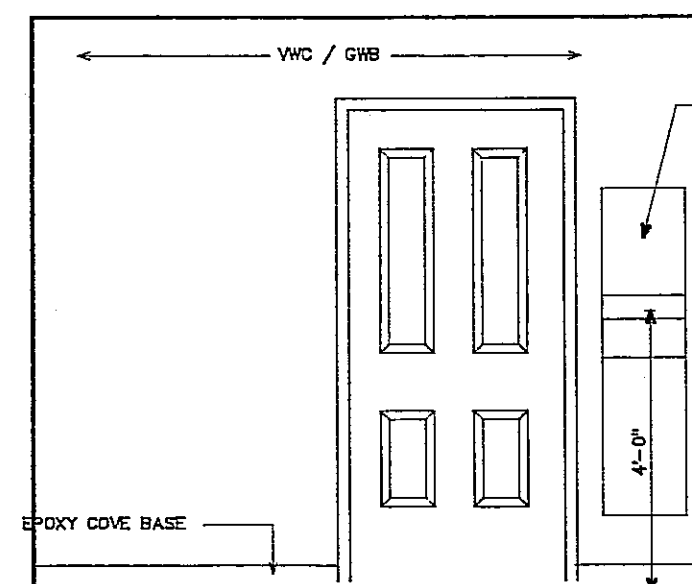
- 20 ga. T-Shape Wall Bracing  
TECO WB9-4, or equiv.  
(two sides - ea. way)



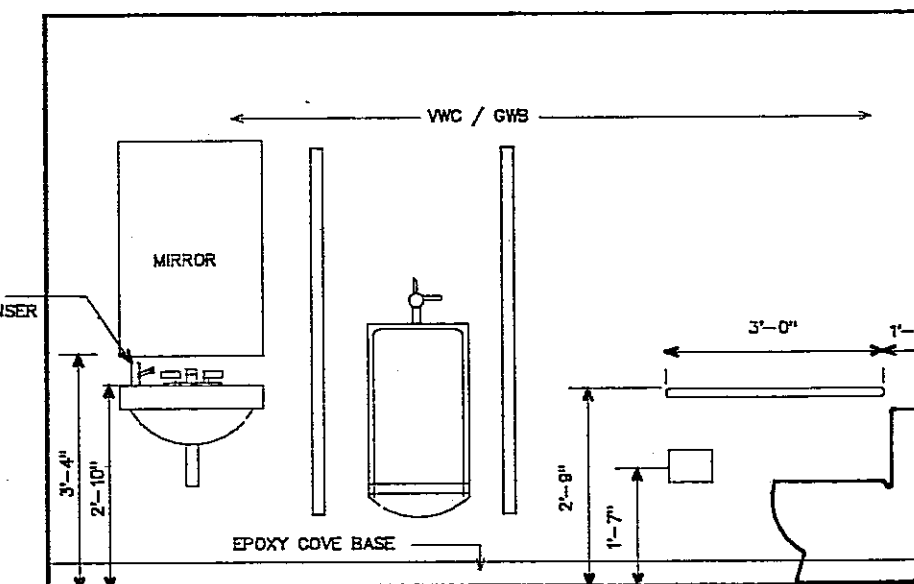
1 RM #15 NORTH ELEVATION



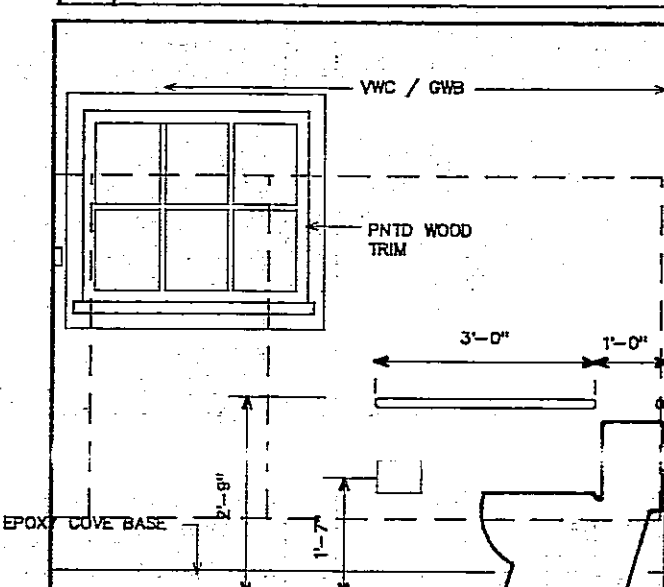
2 ROOM #15 EAST ELEVATION



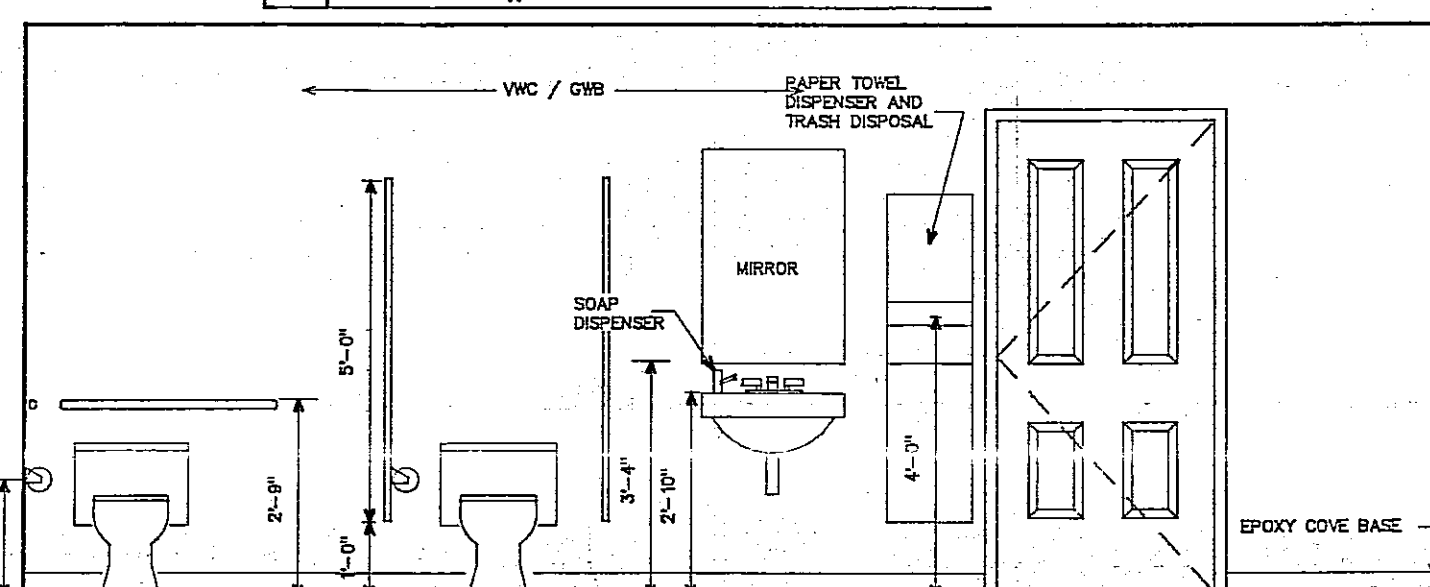
3 RM #15 SOUTH ELEVATION



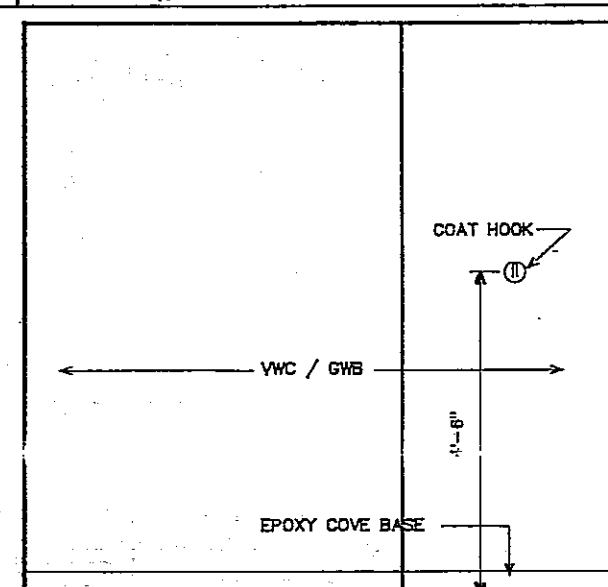
4 ROOM #15 WEST ELEVATION



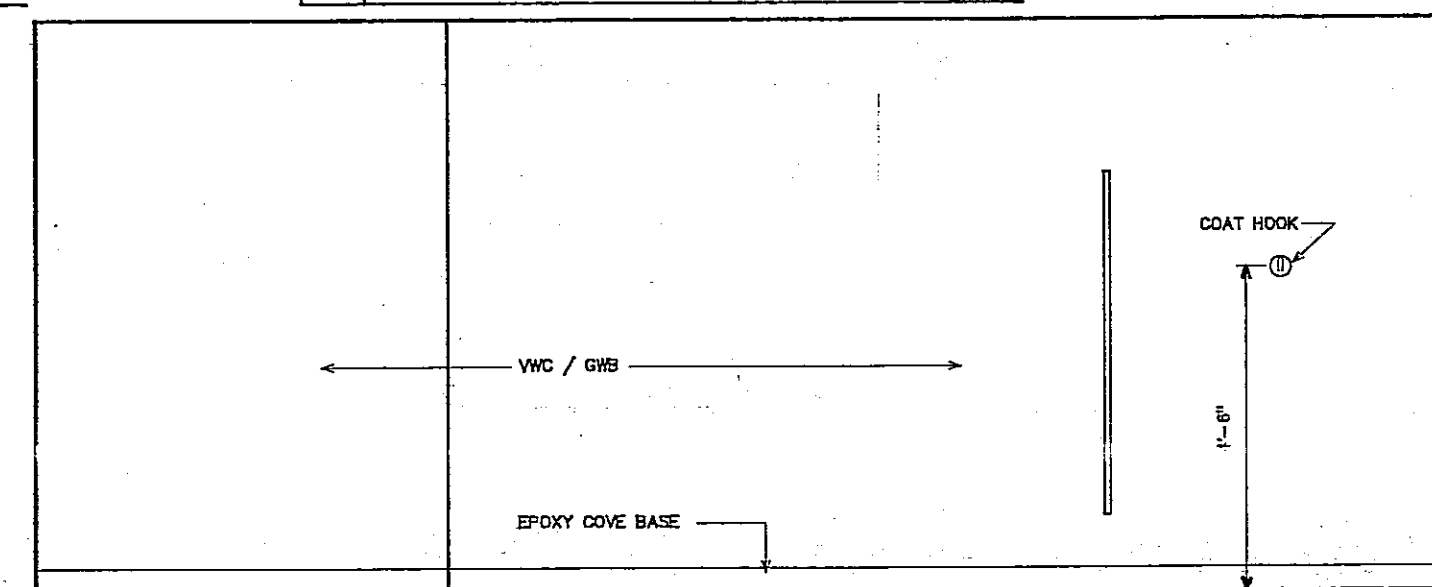
5 RM #16 NORTH ELEVATION



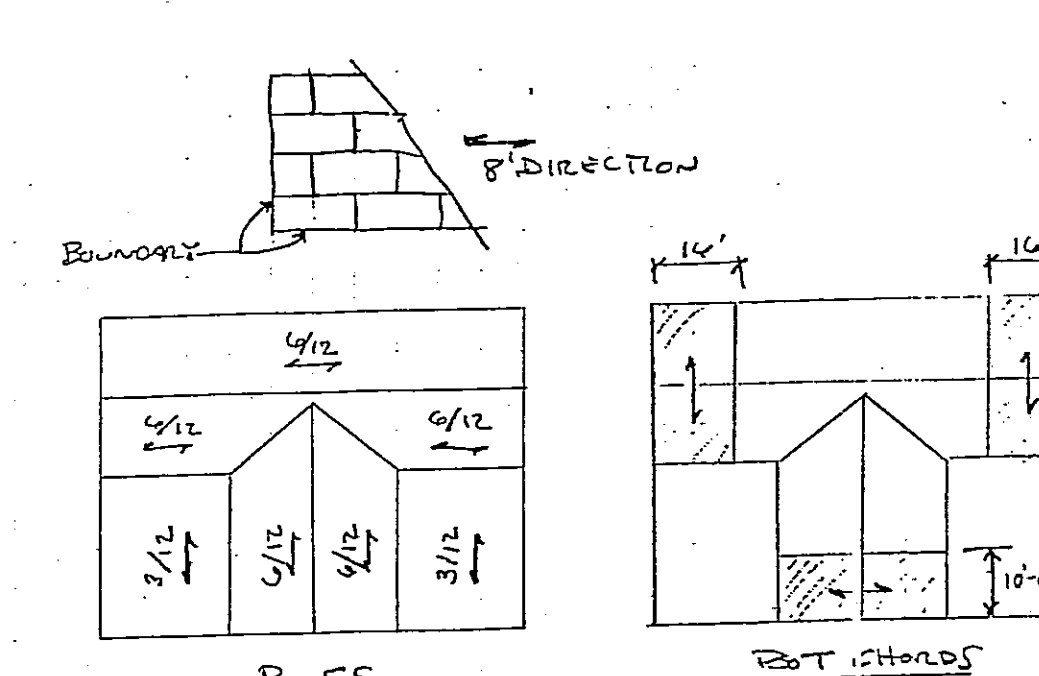
6 ROOM #16 EAST ELEVATION



7 RM #16 SOUTH ELEV.



8 ROOM #16 WEST ELEVATION



Shear Panels

Locations:

1. Roofs  
2. Bot. chord of trusses - partial

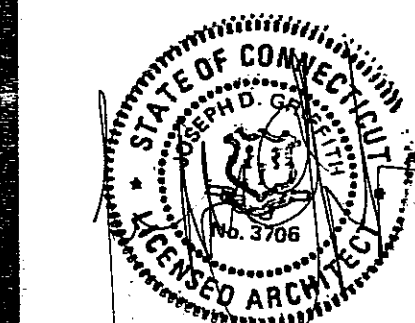
Wood: 15/32" C-D, DFPA, structural II, or equiv.

Nailing:

- 8d common  
4" o.c. @ boundary  
6" o.c. @ other panel edges  
12" o.c. @ intermediate

Supports:

- 6/12 trusses @ 24"  
3/12 2 x 12 @ 16" o.c.



Scale: as shown  
Project No.: 9318  
Date: December 7, 1994  
Issued for Permit 1/5/95

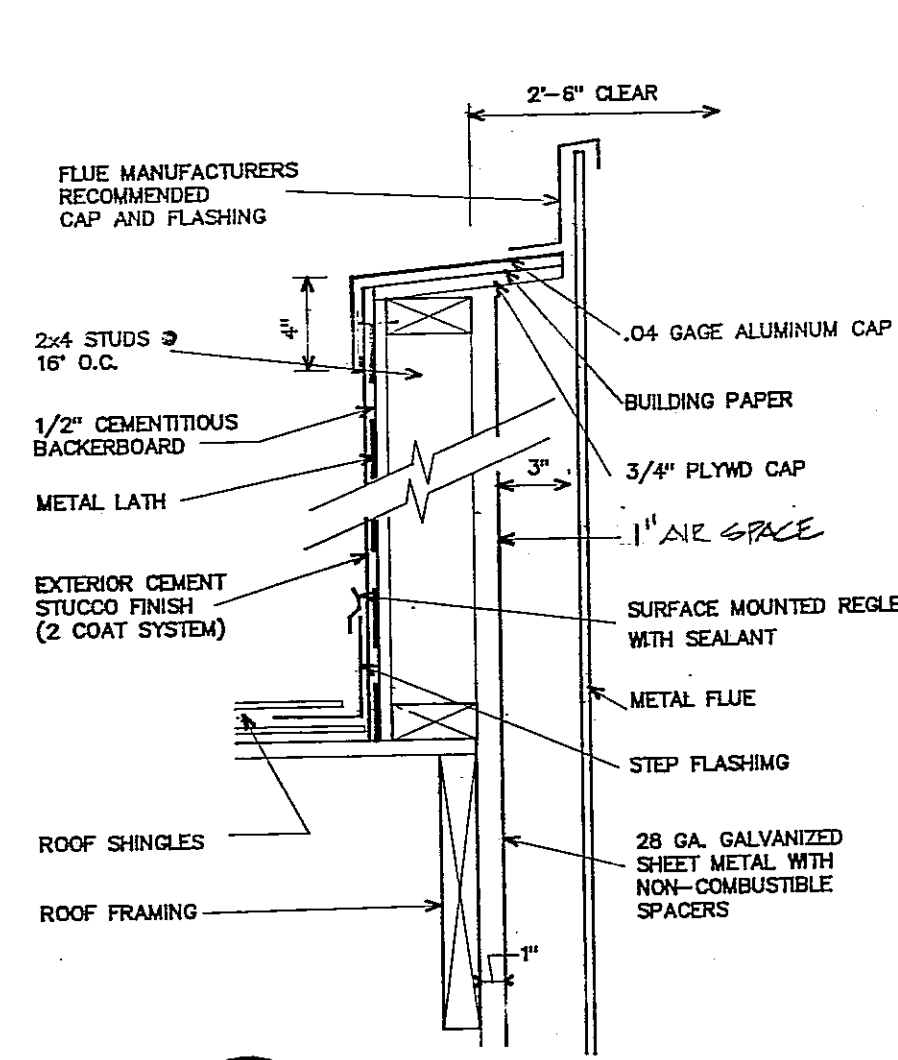
A9

INTERIOR ELEVATIONS  
A9 Scale : 3/8" = 1'-0"

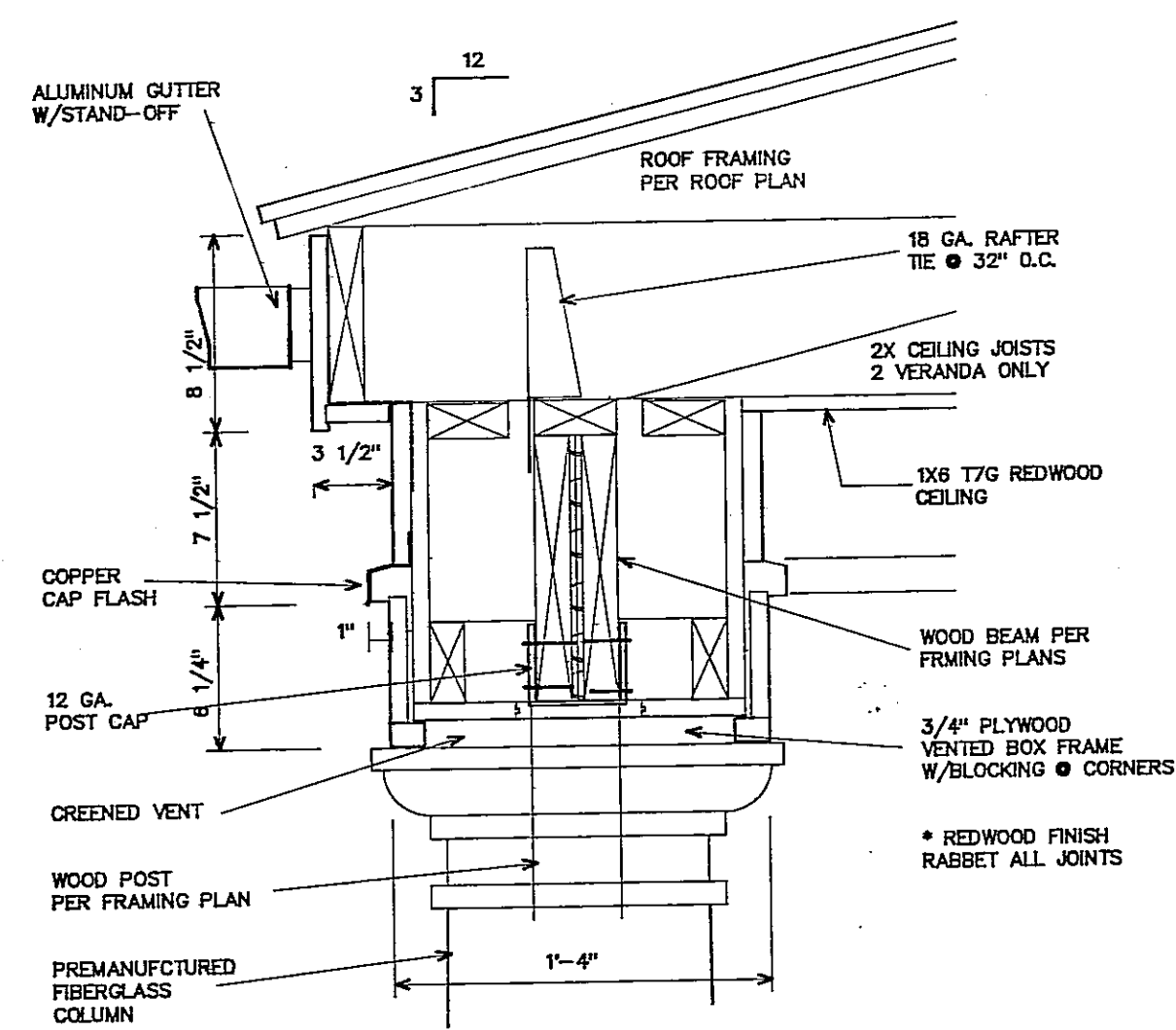
WOOD

1. ALL FRAMING LUMBER SHALL BE DRY (19% MAXIMUM MOISTURE CONTENT) DOUG-FIR, SOUTHERN PINE OR HEM-FIR WITH THE FOLLOWING ALLOWABLE UNIT STRESSES:

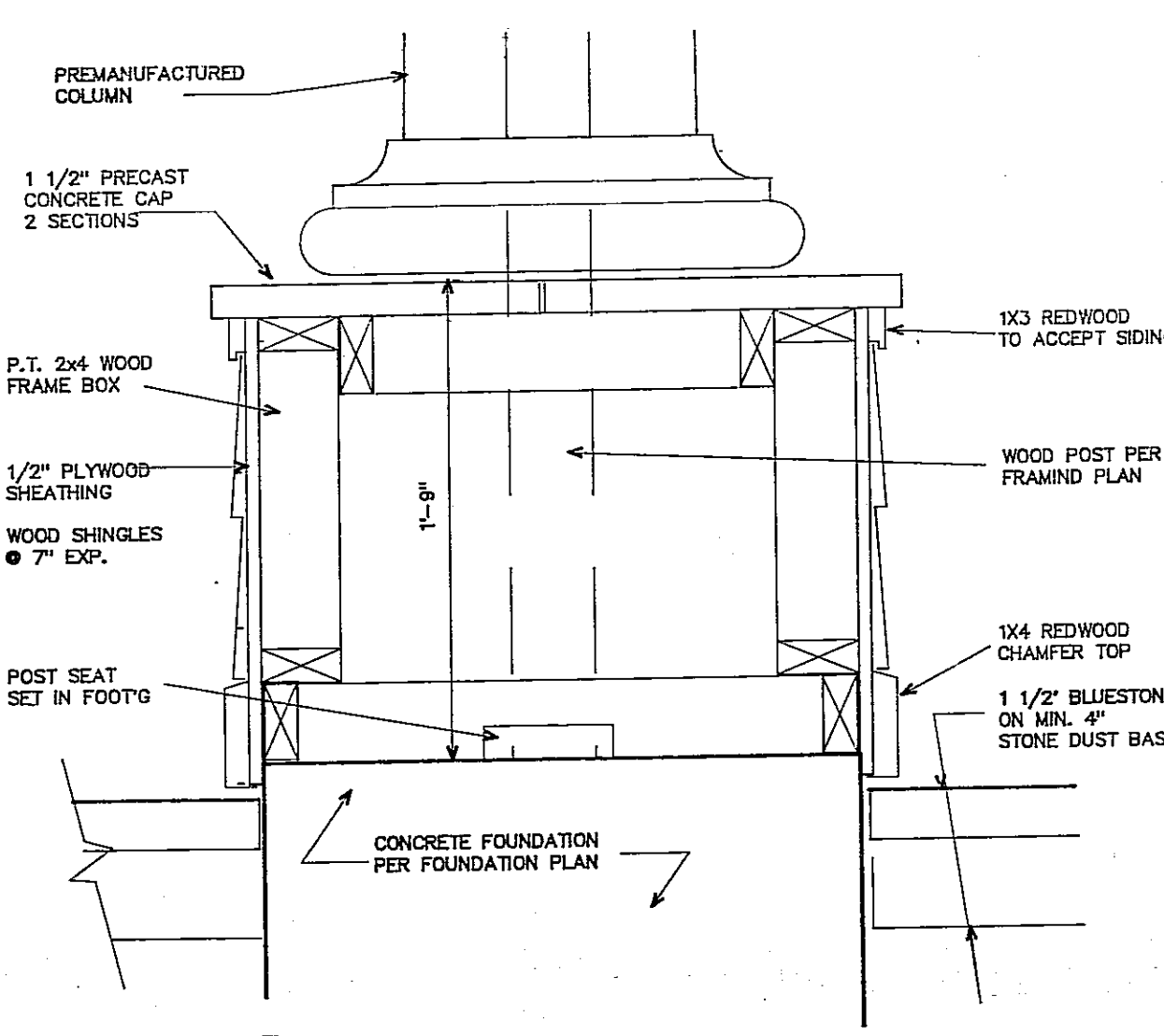
|                                    |          |
|------------------------------------|----------|
| BENDING, REPETITIVE USE            | 1350 PSI |
| BENDING, SINGLE USE                | 1200 PSI |
| TENSION PARALLEL TO GRAIN          | 625 PSI  |
| COMPRESSION PARALLEL TO GRAIN      | 950 PSI  |
| HORIZONTAL SHEAR                   | 90 PSI   |
| COMPRESSION PERPENDICULAR TO GRAIN | 625 PSI  |



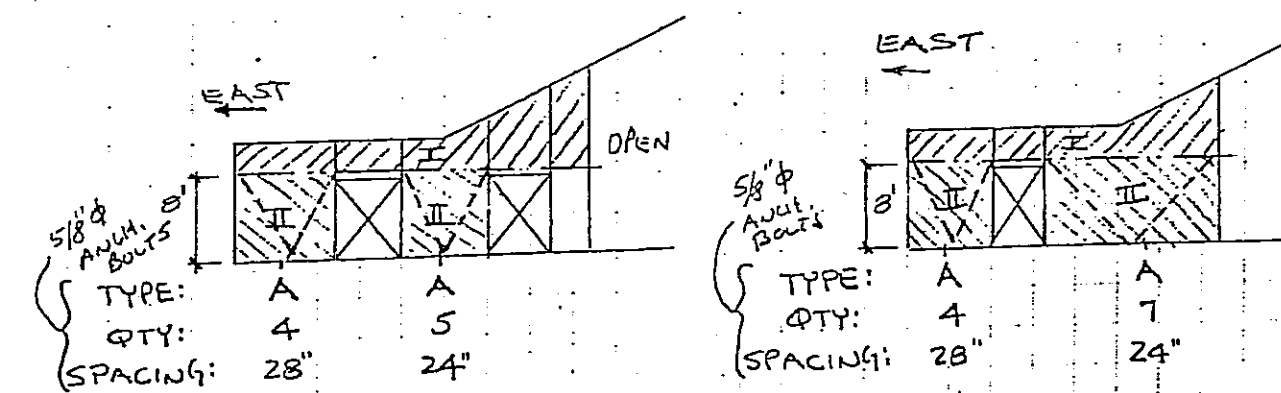
1 CHIMNEY DETAIL  
A9 SCALE : 1 1/2" = 1'-0"



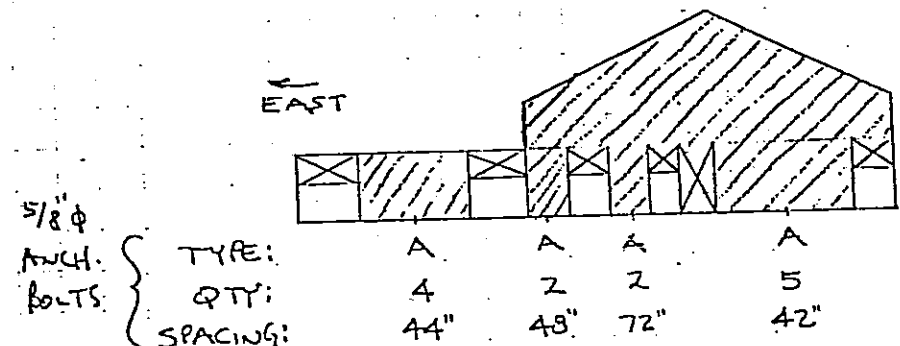
2 ENTABLATURE DETAIL  
A9 SCALE : 1 1/2" = 1'-0"



3 COLUMN BASE DETAIL  
A9 SCALE : 1 1/2" = 1'-0"

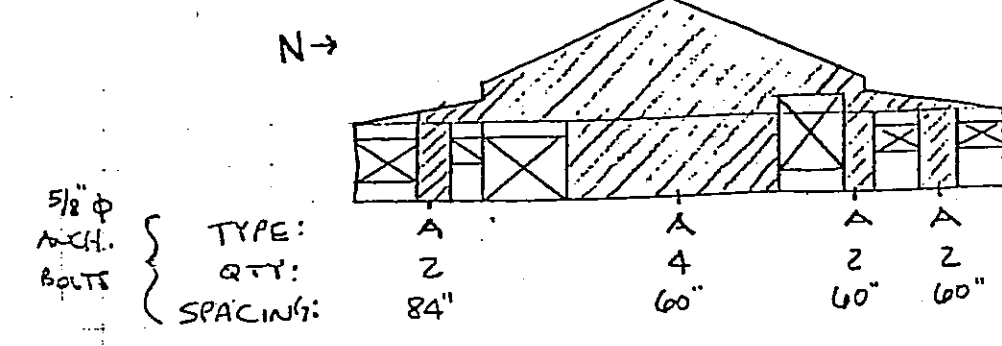


- Area I: (Above Ceilings)  
1. (1) Face - ext. wall Plywood Sheathing  
15/32" CDX, DFPA, structural II - blocked  
10d common @ 4" o.c. along panel edges & @ 12" o.c. intermediate  
2. (1) Face - int. gypsum wall  
5/8" gyp. board - blocked  
6d parker nails @ 4" o.c. all studs.
- Area II:  
1. (2) 5/8" gyp. board - blocked - (1) ea. face  
6d parker nails @ 4" o.c. all studs.  
2. 20 ga. T-shape Wall Bracing  
TECO WB9-4, or equivalent  
(both sides - ea. way)



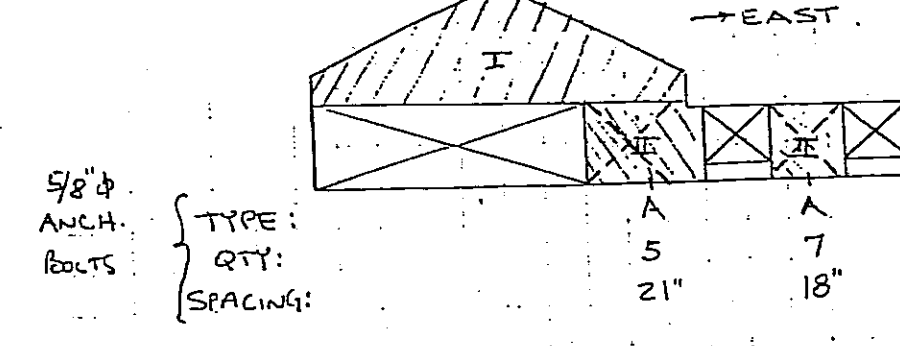
North Exterior Elevation

- All Areas:  
Ext. wall Plywood Sheathing  
15/32" CDX, DFPA, structural II - blocked.  
10d Common @ 4" o.c. along panel edges  
& @ 12" o.c. intermediate.



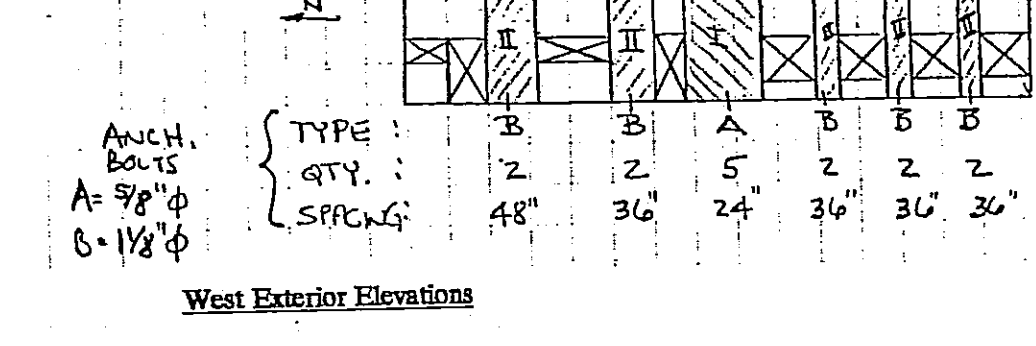
East Exterior Elevation

- All Areas:  
Ext. wall Plywood Sheathing  
15/32" CDX, DFPA, structural II - blocked.  
10d common @ 4" o.c. along panel edges  
& 12" o.c. intermediate.



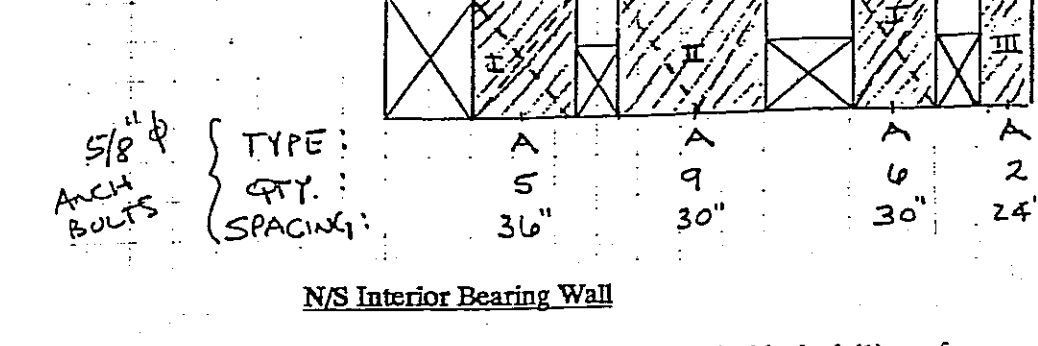
South Exterior Elevation

- Area I & II:  
Ext. wall Plywood Sheathing  
15/32" CDX, DFPA, structural II - blocked 10d common  
@ 4" o.c. along panel edges & 12" o.c. intermediate.  
Area II:  
Int. Gypsum Wall  
5/8" Gyp. Board - blocked  
6d Parker nails @ 4" o.c. all studs.  
Area II:  
20 ga. T-Shape Wall Bracing  
TECO WB9-4, or equiv. 1-side, each way



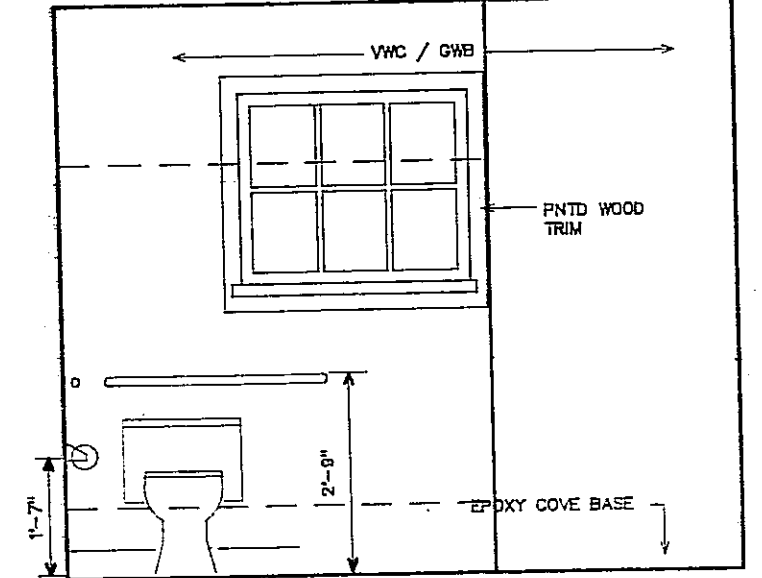
West Exterior Elevation

- Area I & II:  
1. Ext. Wall Plywood Sheathing  
15/32" CD-ext, DFPA, structural II - blocked  
10d common @ 4" o.c. along panel edges  
& 12" o.c. intermediate.  
2. Int. Gypsum wall  
5/8" gyp. board - blocked  
6d parker nails @ 4" o.c. all studs.  
Area II:  
3. Provide (2) TECO #KHD7 hold downs or equal per shear panel.  
Locate at corners of panel with 3" min. stud thickness, each.

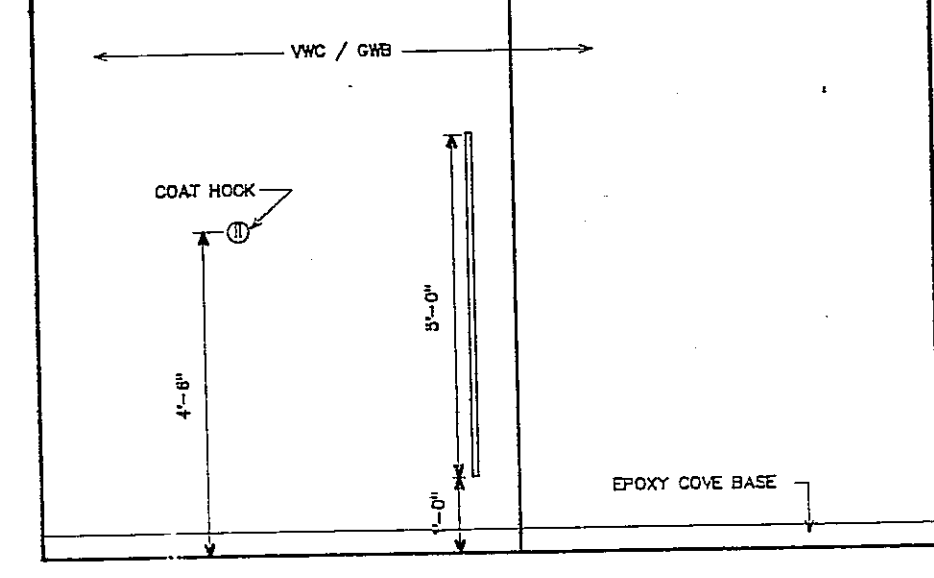


N/S Interior Bearing Wall

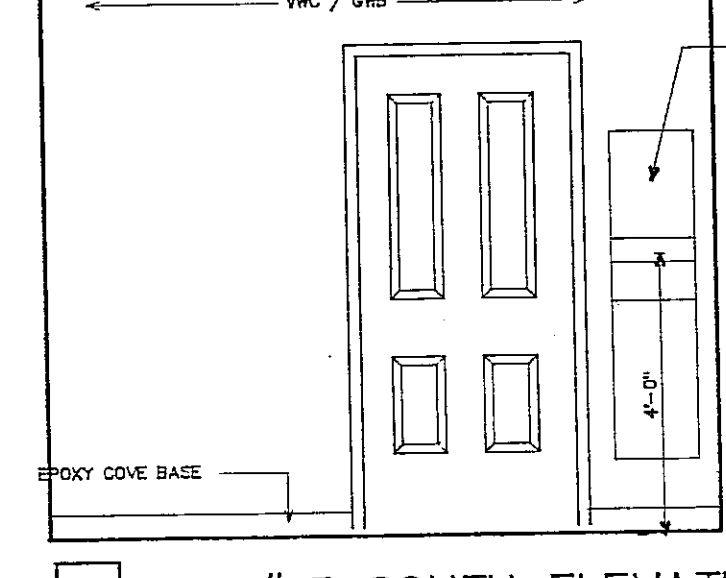
- All Areas:  
(2) 5/8" gyp. board - blocked (1) ea. face  
6d parker nails @ 4" o.c. all studs.  
Area I:  
20 ga. T-shape Wall Bracing  
TECO WB9-4, or equiv.  
(one side - ea. way)  
AREA II:  
20 ga. T-shape Wall Bracing  
TECO WB9-4, or equiv.  
(two sides - ea. way)



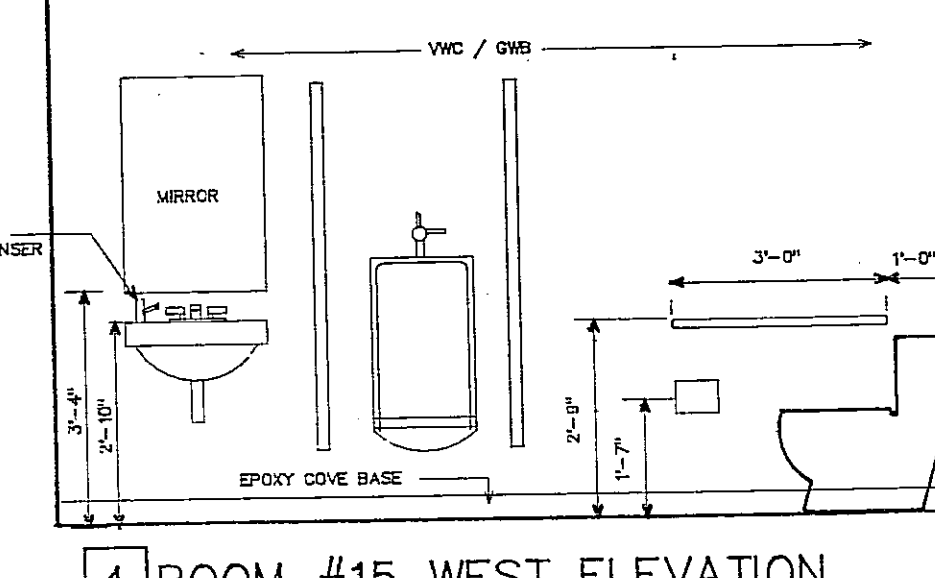
1 RM #15 NORTH ELEVATION



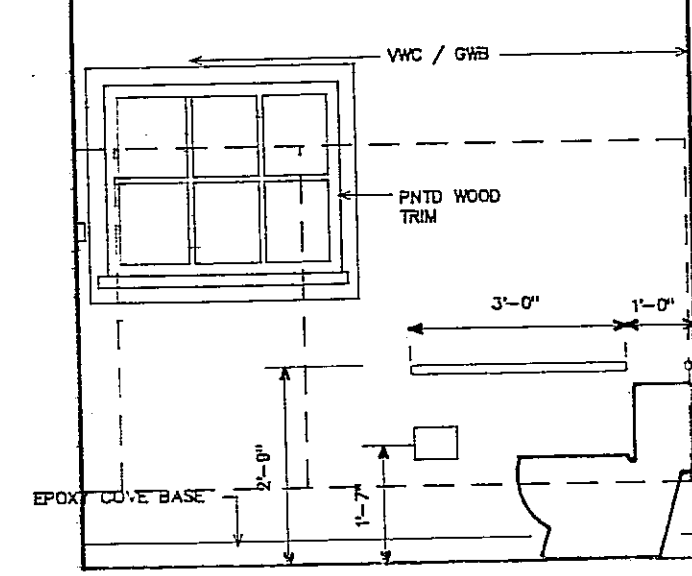
2 ROOM #15 EAST ELEVATION



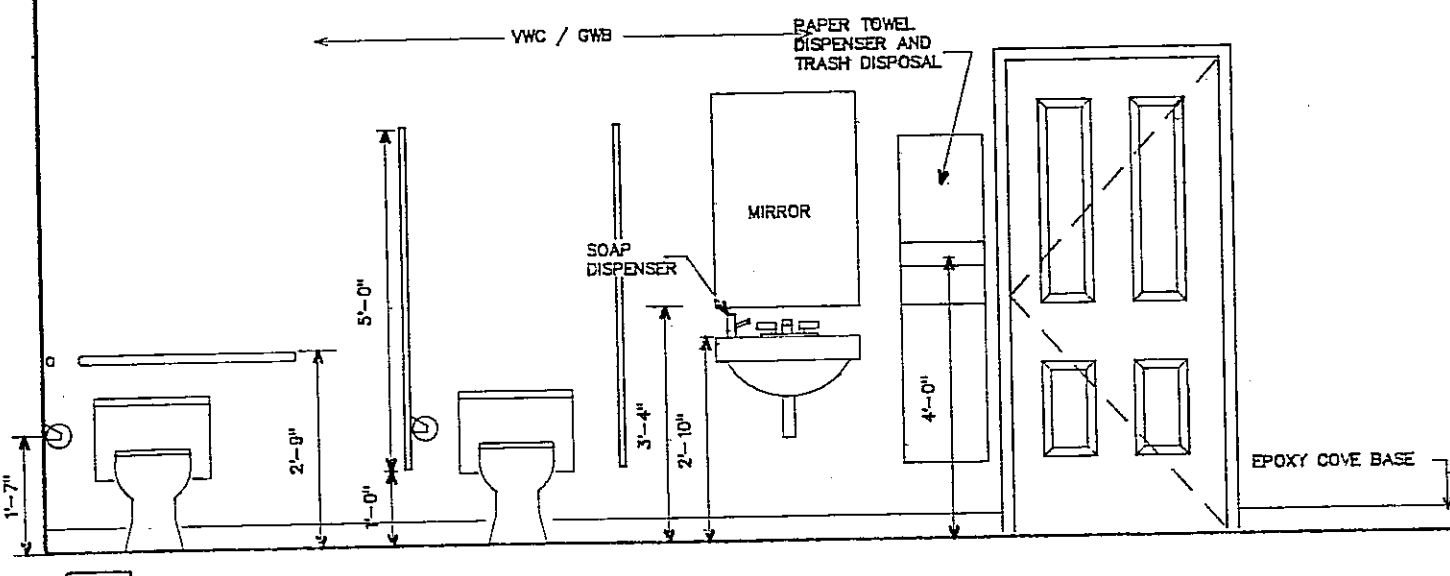
3 RM #15 SOUTH ELEVATION



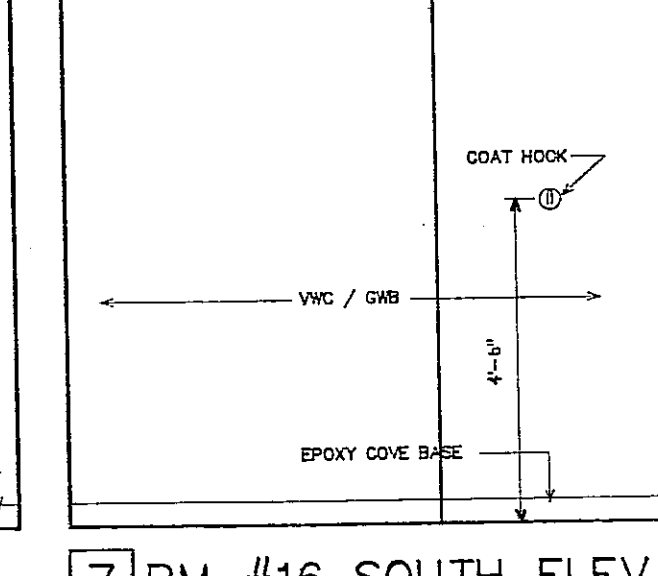
4 ROOM #15 WEST ELEVATION



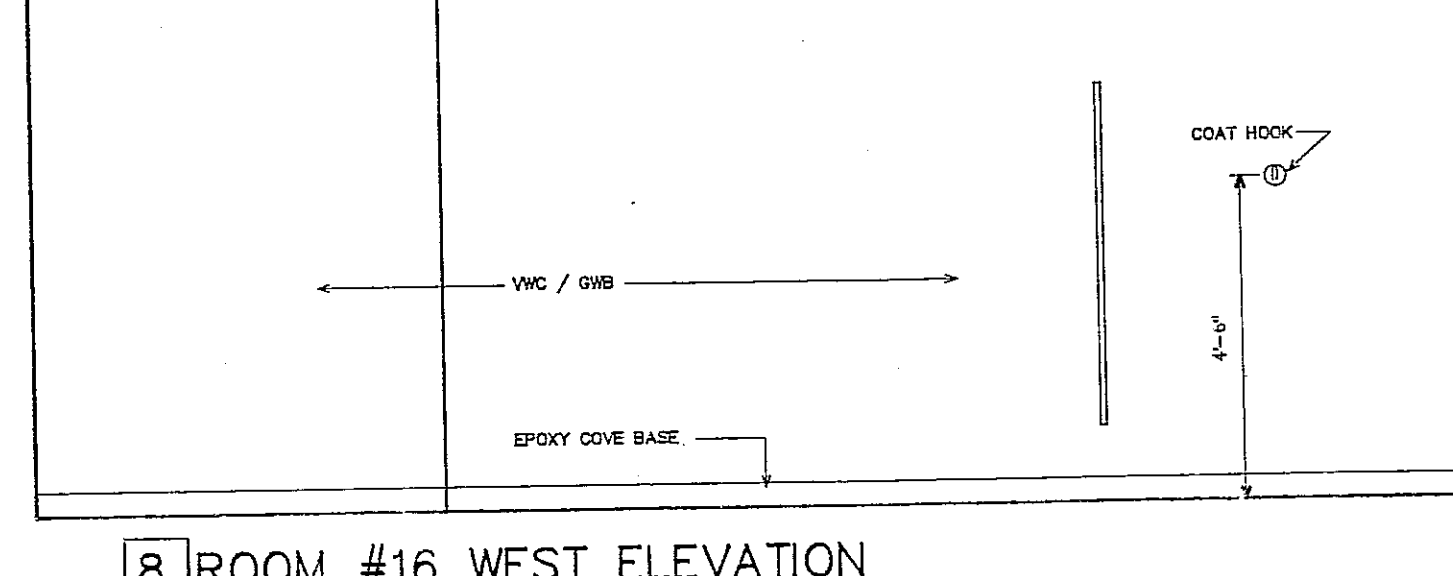
5 RM #16 NORTH ELEVATION



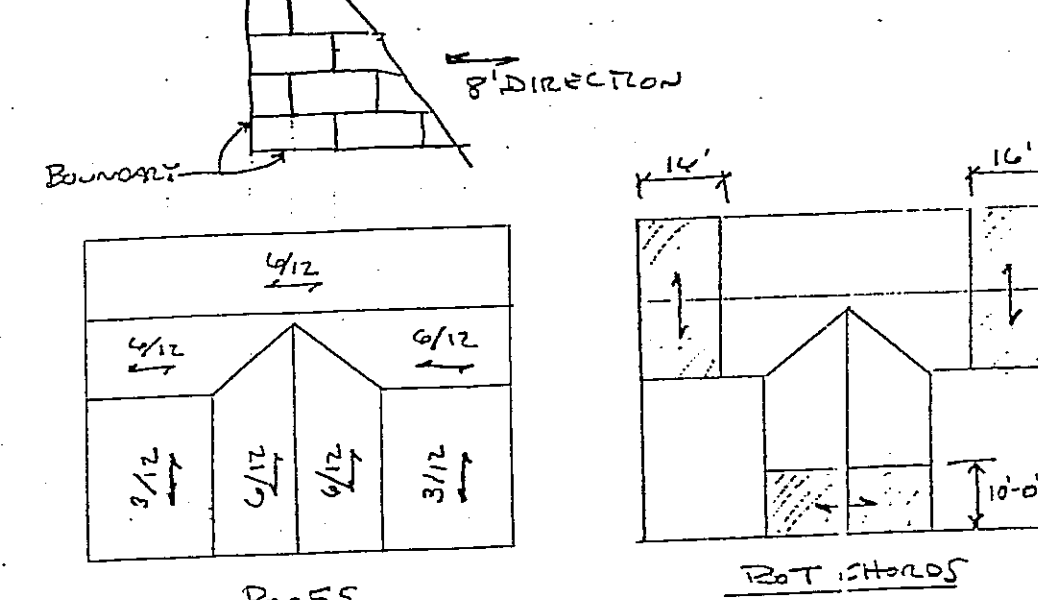
6 ROOM #16 EAST ELEVATION



7 RM #16 SOUTH ELEV.



8 ROOM #16 WEST ELEVATION



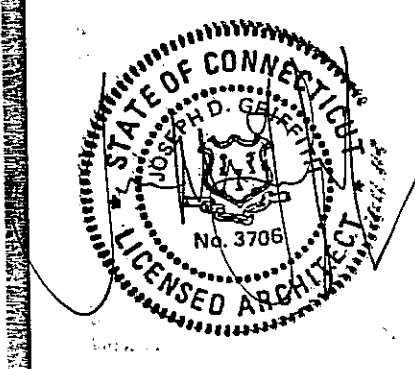
Roofs

- Shear Panels  
Locations:  
1. Roofs  
2. Bot chord of trusses - partial  
Wood: 15/32" C-D, DFPA, structural II, or equiv.  
Nailing:  
8d common  
4" o.c. @ boundary  
6" o.c. @ other panel edges  
12" o.c. @ intermediate  
Supports:  
6/12 trusses @ 24"  
3/12 2 x 12 @ 16" o.c.

Lymes' Senior Center  
Town Woods Road  
Old Lyme, Connecticut

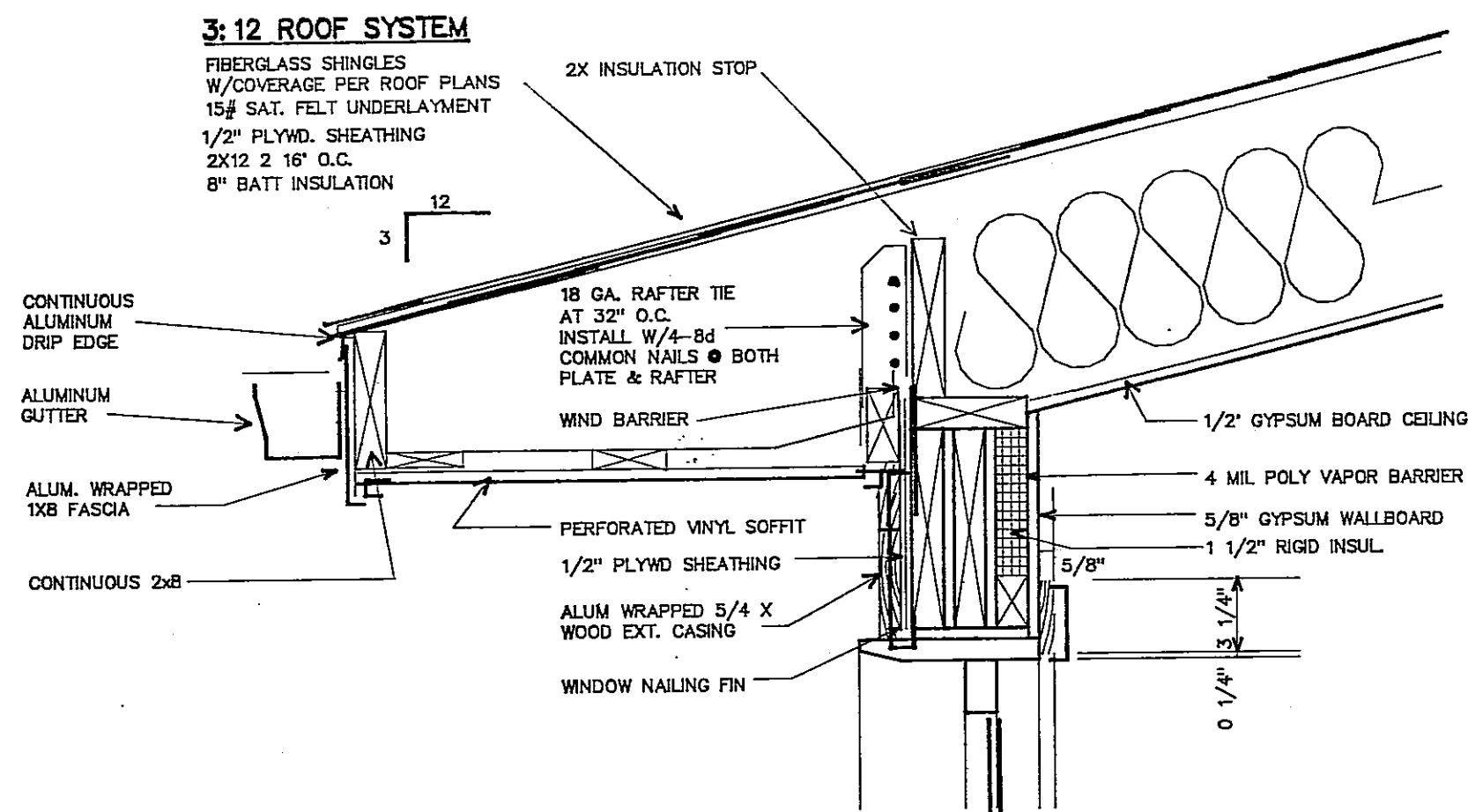
Joseph Griffith  
Architects  
124 Main Street  
Deep River, Connecticut  
06417  
203 526 4319

Interior Elevations / Details

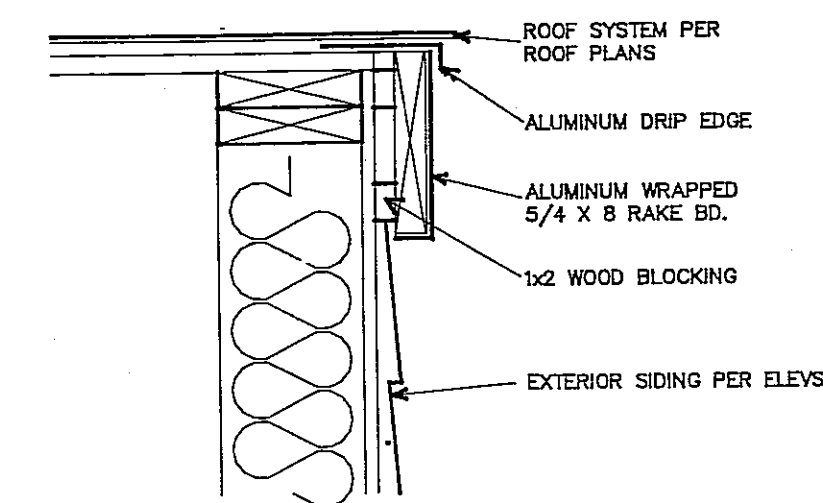


Scale: as shown  
Project No.: 9318  
Date : December 7, 1994  
Issued for Permit 1/5/95

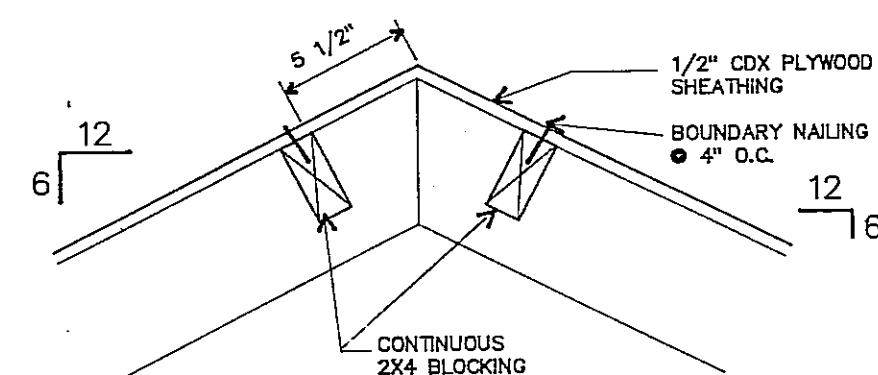
A9



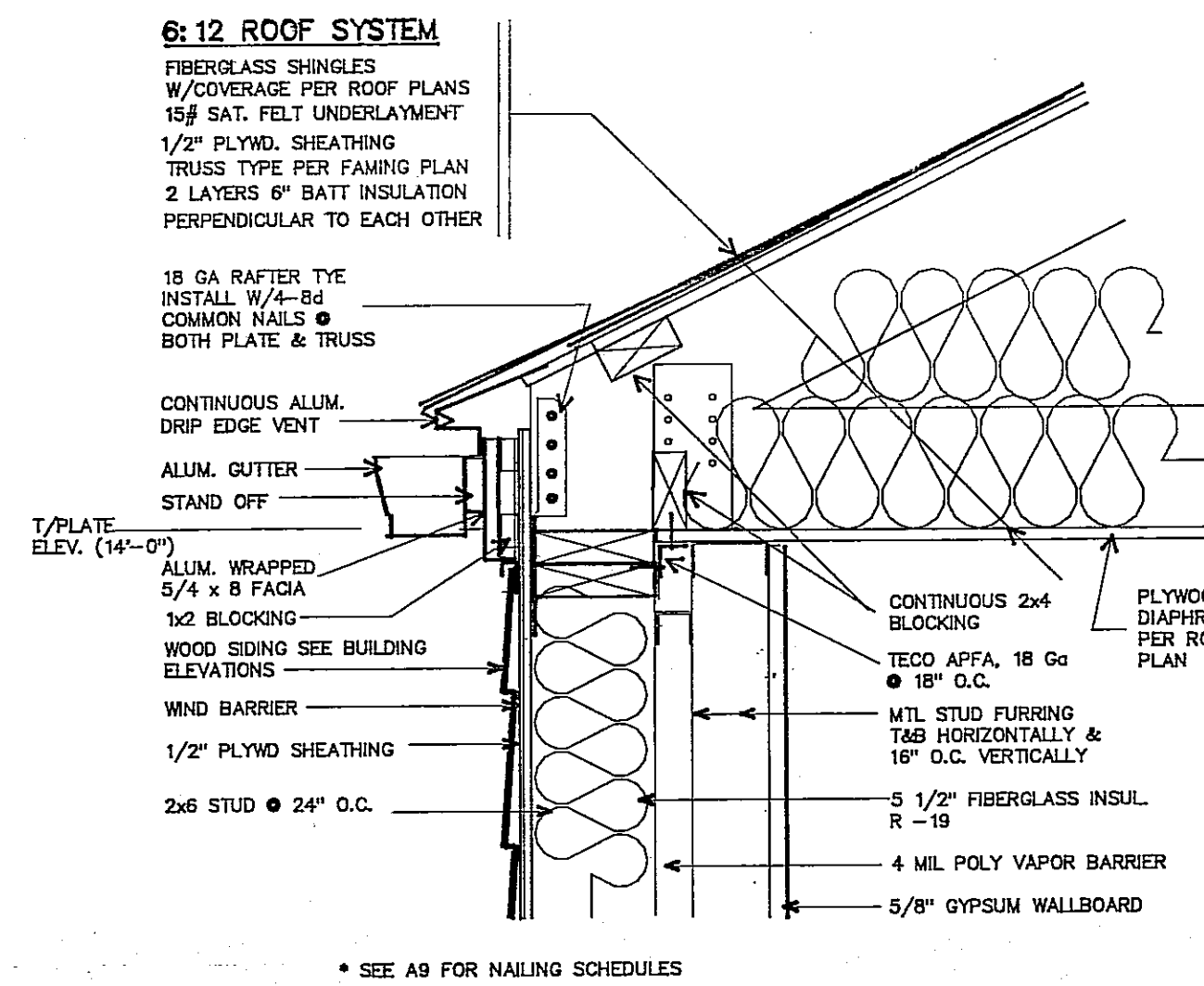
**1 EAVE DETAIL • 3:12 ROOF**  
A10 SCALE : 1 1/2" = 1'-0"



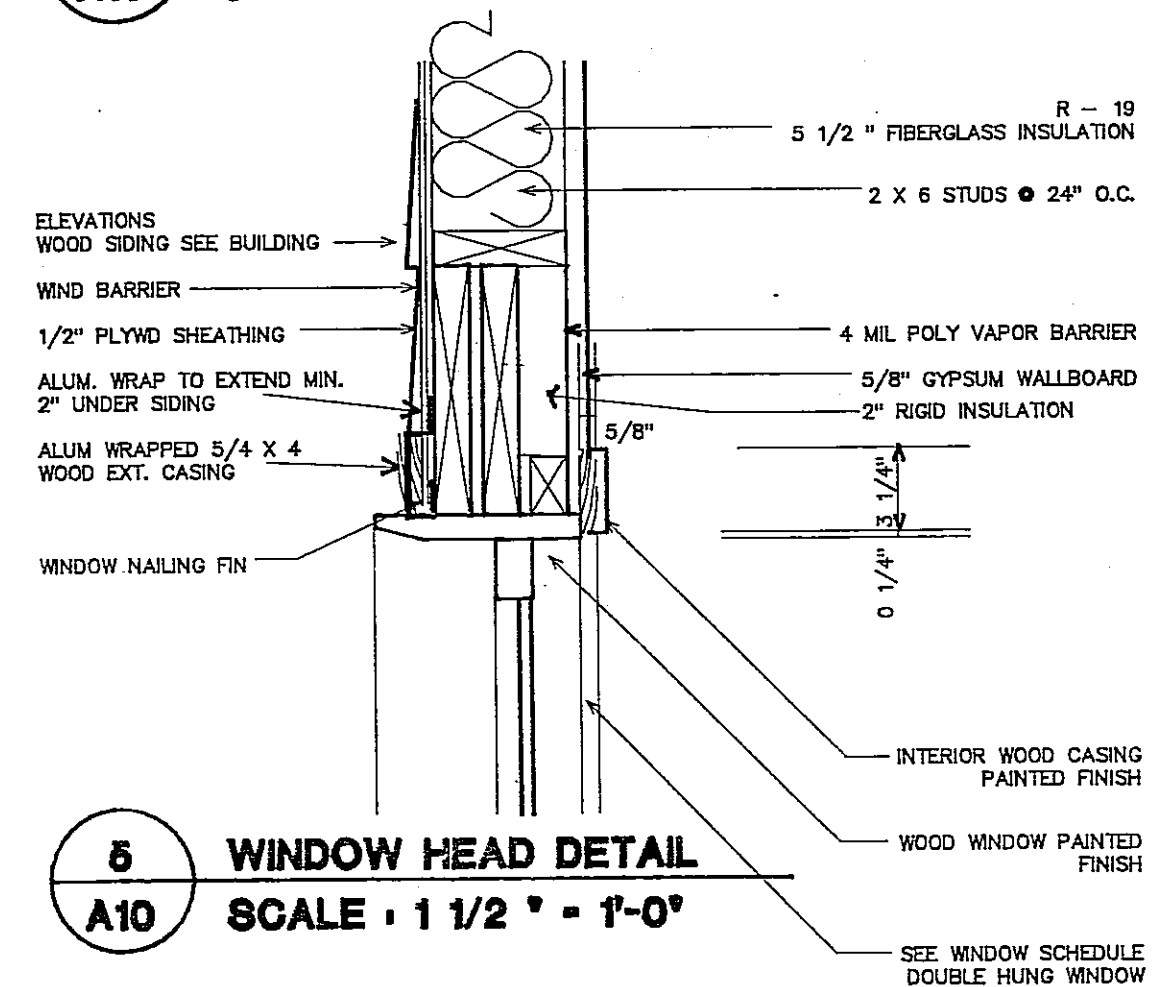
**2 RAKE DETAIL**  
A10 SCALE : 1 1/2" = 1'-0"



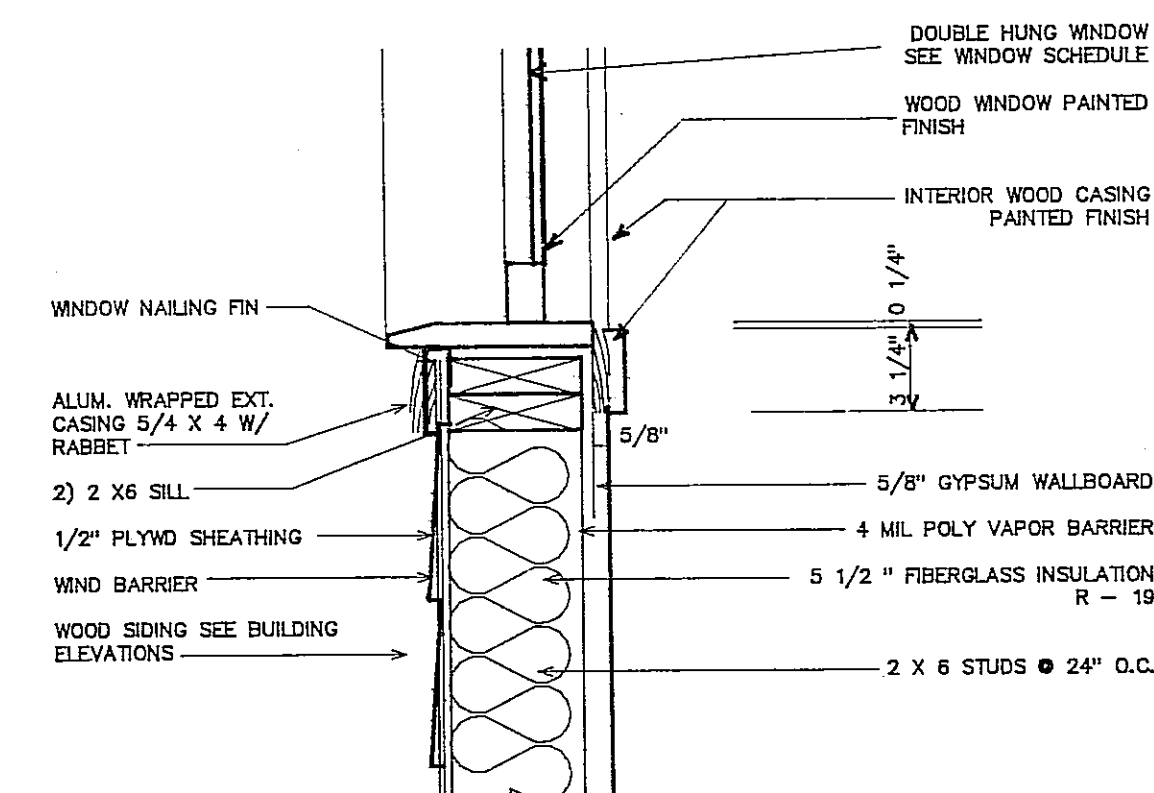
**3 RIDGE DETAIL**  
A10 SCALE : 1 1/2" = 1'-0"



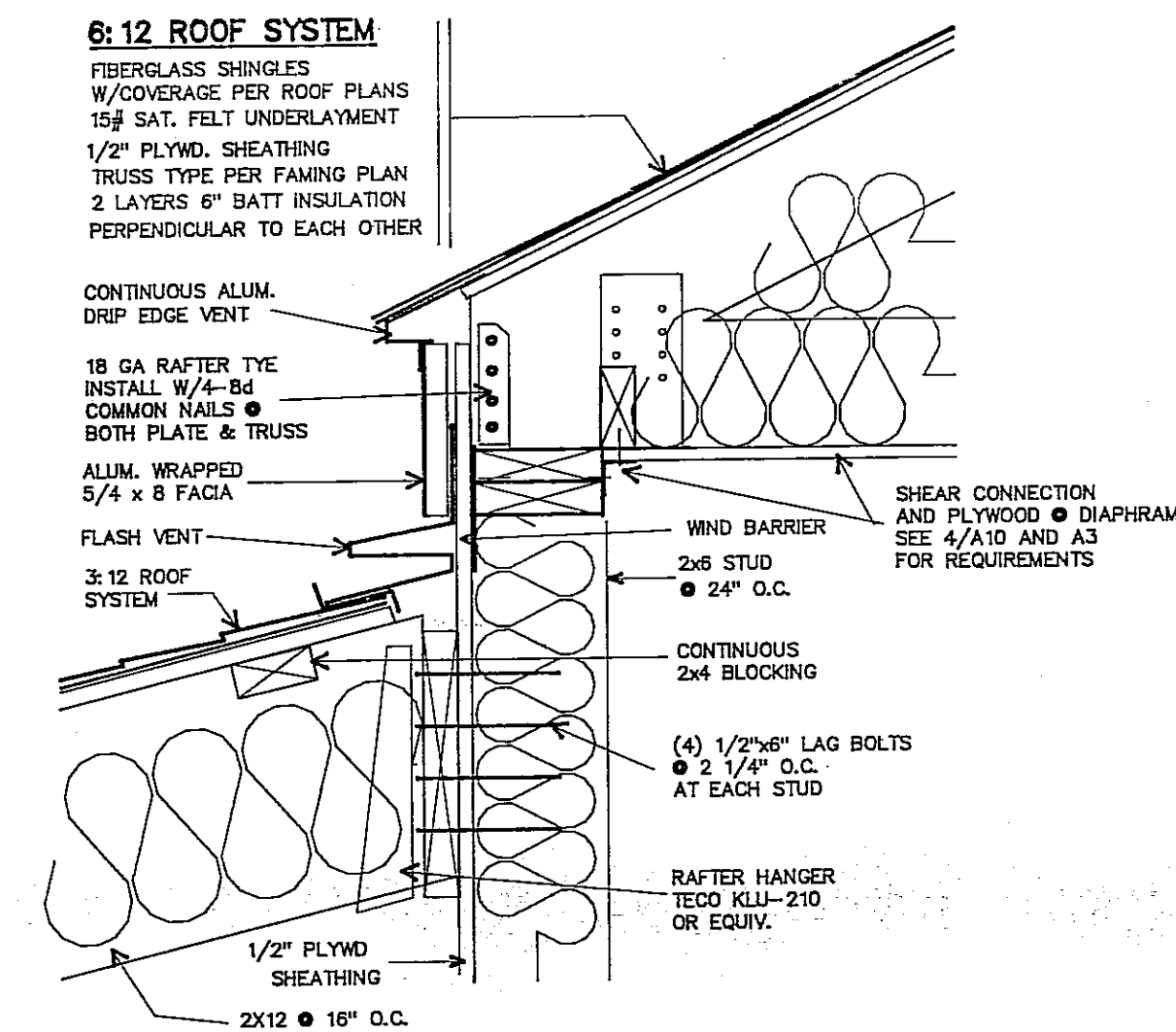
**4 EAVE DETAIL • 6:12 ROOF**  
A10 SCALE : 1 1/2" = 1'-0"



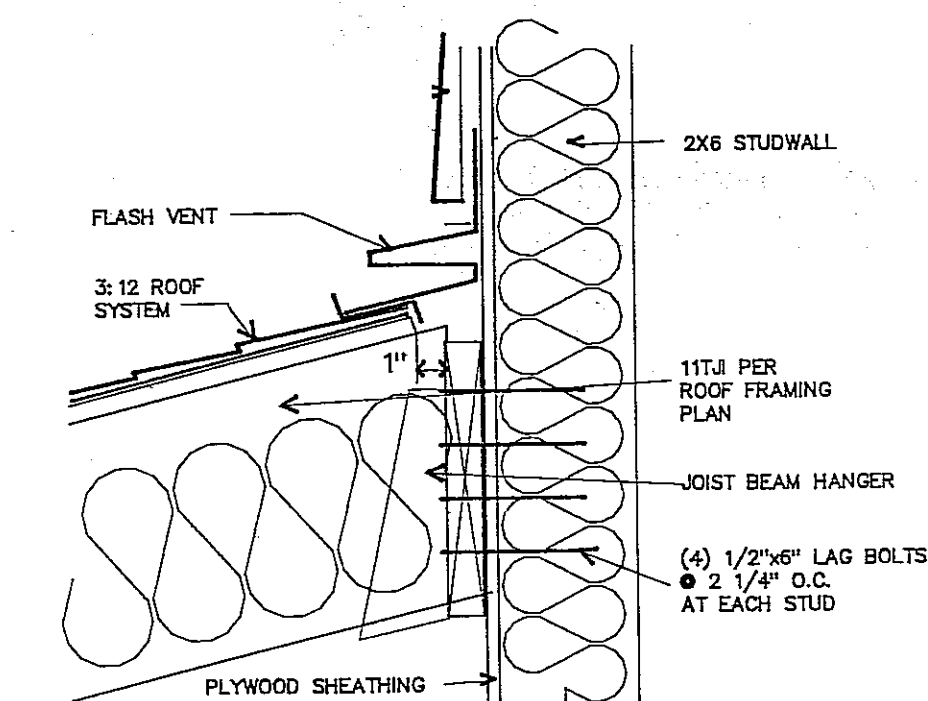
**5 WINDOW HEAD DETAIL**  
A10 SCALE : 1 1/2" = 1'-0"



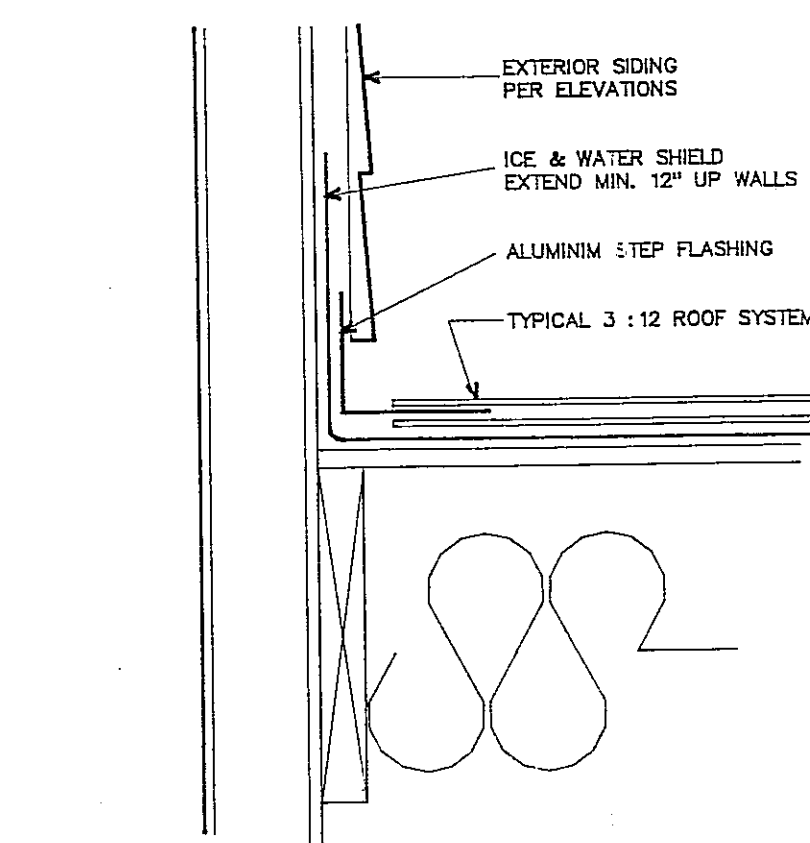
**6 WINDOW SILL DETAIL**  
A10 SCALE : 1 1/2" = 1'-0"



**7 ROOF/WALL DETAIL**  
A10 SCALE : 1 1/2" = 1'-0"



**8 ROOF/WALL INTERSECTION**  
A10 SCALE : 1 1/2" = 1'-0"

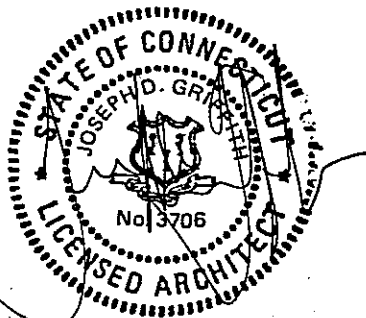


**9 FLASHING DETAIL**  
A10 SCALE : 1 1/2" = 1'-0"

WOOD

- ALL FRAMING LUMBER SHALL BE DRY (19% MAXIMUM MOISTURE CONTENT) DOUG-FIR, SOUTHERN PINE OR HEM-FIR WITH THE FOLLOWING ALLOWABLE UNIT STRESSES:

|                                    |          |
|------------------------------------|----------|
| BENDING, REPETITIVE USE            | 1350 PSI |
| BENDING, SINGLE USE                | 1200 PSI |
| TENSION PARALLEL TO GRAIN          | 625 PSI  |
| COMPRESSION PARALLEL TO GRAIN      | 950 PSI  |
| HORIZONTAL SHEAR                   | 90 PSI   |
| COMPRESSION PERPENDICULAR TO GRAIN | 625 PSI  |



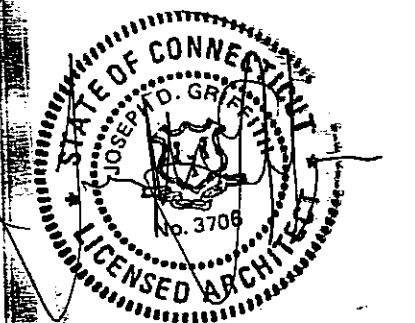
Scale: Scale as Noted  
Project No.: 9318  
Date : December 7, 1994  
Issued for Permit 1/5/94

**A10**

Lymes' Senior Center  
Town Woods Road  
Old Lyme, Connecticut

Joseph Griffith  
Architects  
124 Main Street  
Deep River, Connecticut  
06417  
203 526 4319

Reflected Ceiling Plan



Scale: 1/8" = 1'-0"  
Project No.: 9318  
Date: December 7, 1994  
Issued for Permit

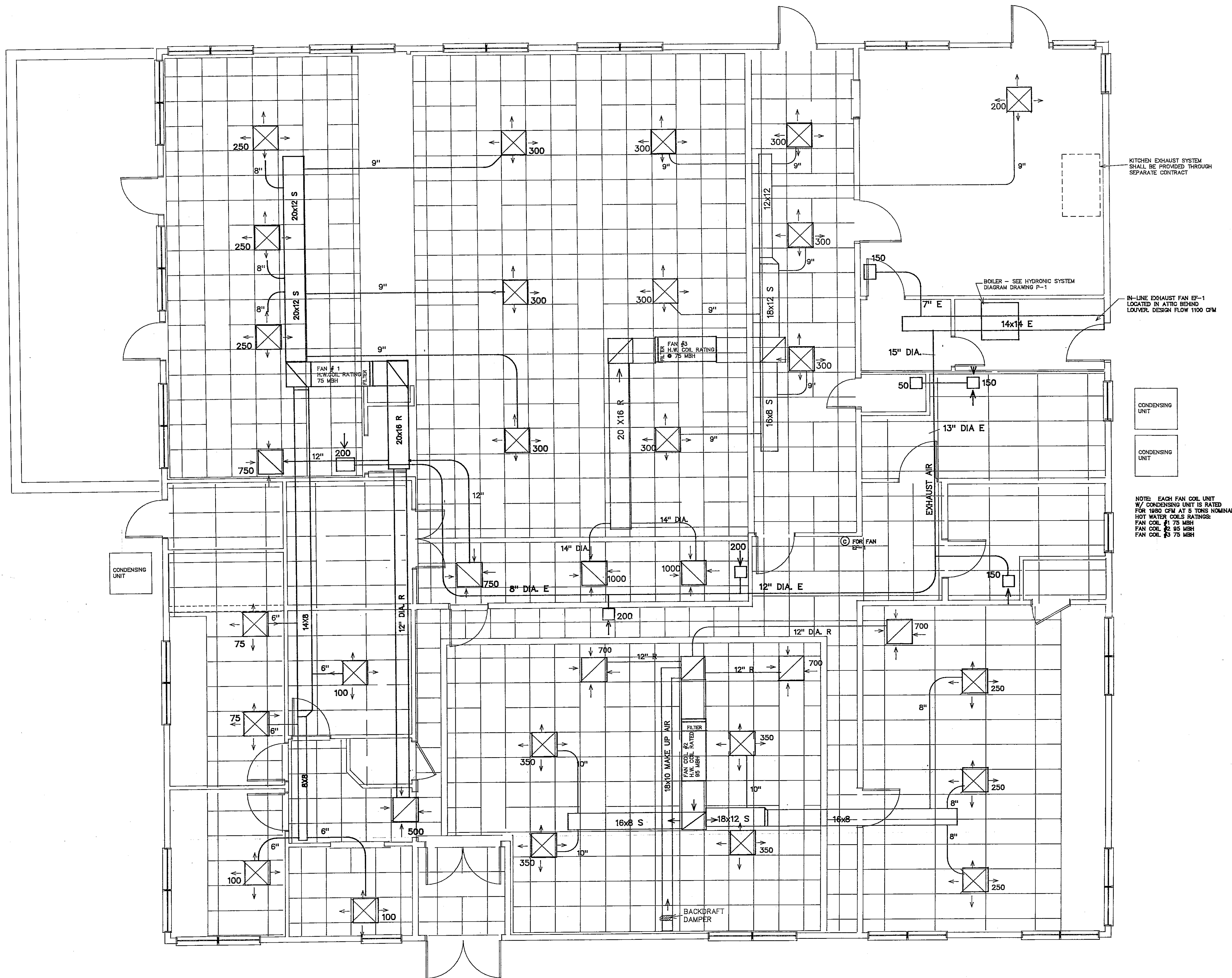
**A11**

Lymes' Senior Center  
Town Woods Road  
Old Lyme, Connecticut

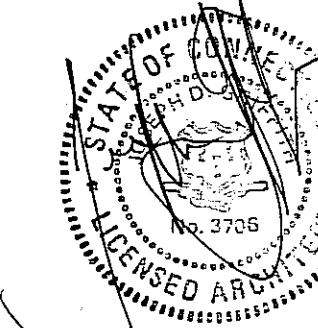
Joseph Griffith  
Architects  
124 Main Street  
Deep River, Connecticut  
06417  
203 526 4319

Keel and Associates  
Consulting Engineers  
Mechanical and Electrical  
P.O. Box 157  
Old Lyme, Connecticut  
06371  
203 434 5856

# HVAC Plan



1 DUCT PLAN  
M1 Scale : 1/4 " = 1'-0"



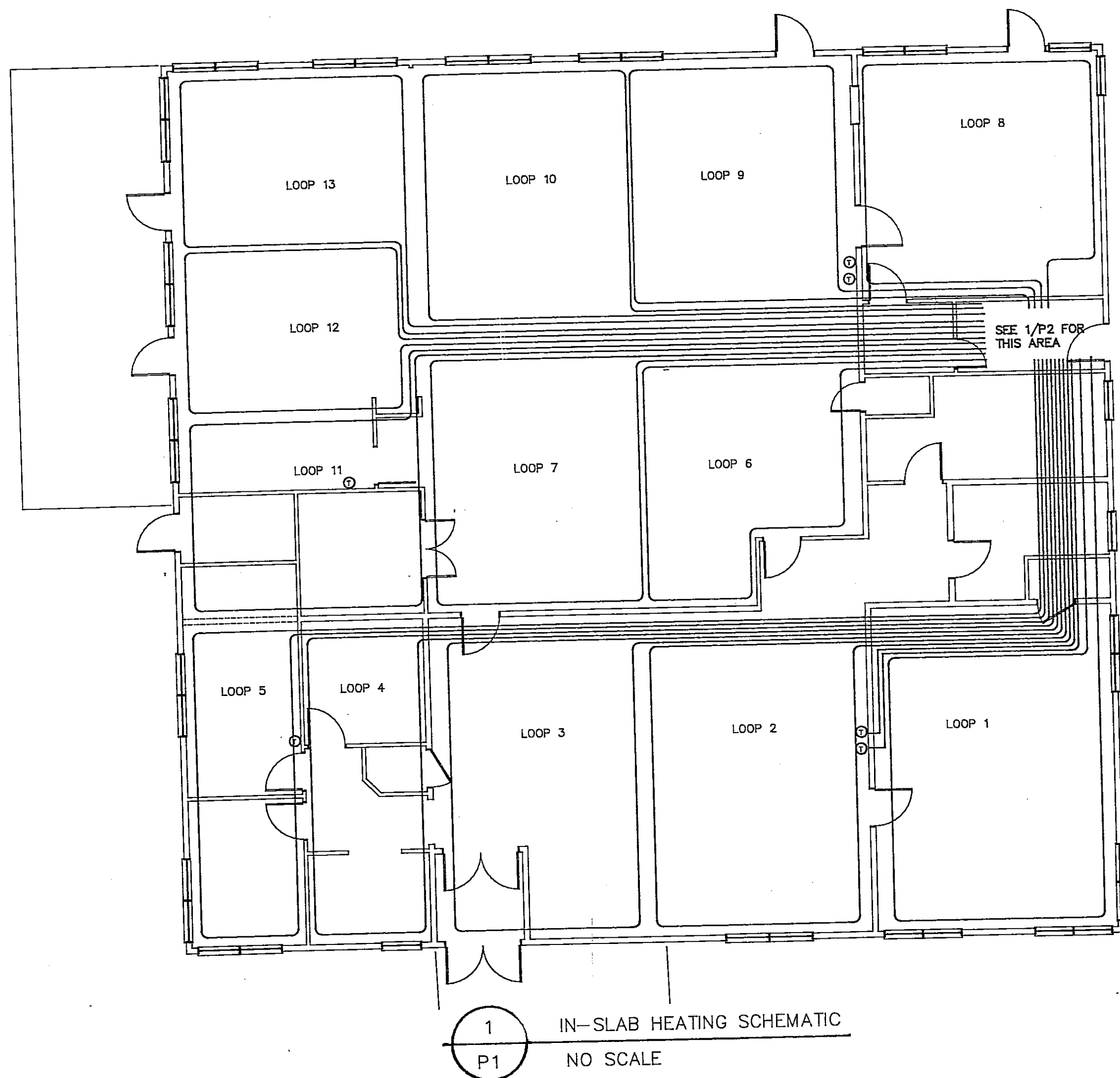
Scale: 1/4" = 1'-0"  
Project No.: 9318  
Date : December 7, 1994  
Revised: March 30, 1995  
Issued for Permit

**M1**

Joseph Griffith  
Architects  
124 Main Street  
Deep River, Connecticut  
06417  
203 526 4319

Keel and Associates  
Consulting Engineers  
Mechanical and Electrical  
P.O. Box 157  
Old Lyme, Connecticut  
06371  
203 434 5856

Plumbing Plan



ZONES

- ZONE 1 - LOOPS 1 thru 5  
ZONE 2 - LOOPS 6 thru 10  
ZONE 3 - LOOPS 11 thru 13

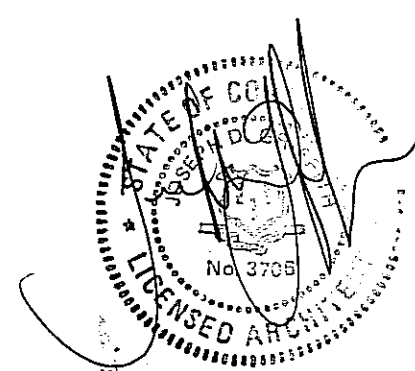
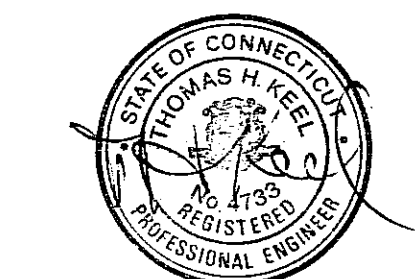
NOTE: ALL TUBING SHALL BE PEX TYPE  
WITH OXYGEN DIFFUSION BARRIER

Plumbing and Mechanical Systems Notes:

- This plan shall not be used for struct., archit., or elect. details. Appropriate mechanical and plumbing specifications shall be used with these plans.
- All details are not shown. Contractor shall be responsible for details to provide a completely operable system; contractor shall verify actual building conditions before proceeding with installations; do not scale these drawings.
- All water pipes shall be pitched back to minimize low points, all of which shall have drains. High points shall be minimized; each one shall be vented.
- No plastic pipes shall penetrate fire barriers.
- Where typical mfrs model nos are given, others may be used subject to specific owner's approval upon receipt of information demonstrating that they are equal or better in performance and quality.
- Piping materials shall be as follows:
  - Waste: buried std wt cast iron, ABS or PVC above grade - ABS, PVC, Schedule 40, galvanized steel or type L CU
  - Vent: std wt cast iron, PVC or Type M copper (CU).
  - Water: underground- seamless Type K copper, cast bronze fgs, compression, flared tube or pack type.
  - In building - Type L copper, sweat fgs using 95-5 tin antimony solder.
  - Gas: underground: wrapped ductile iron or schedule 80 steel (minimize joints; no transitions allowed)
  - Gas and oil, above grade: schedule 40 black steel with 150# malleable fittings or threaded copper and brass.
  - Shutoff valves: bronze or brass ball valves for water. Gas stops shall be lever handle gas cocks with cast iron body, bronze fitted. Oil stop at entrance to building shall be a bronze ball valve.
  - Suitable transition fittings shall be installed between dissimilar materials.
- Plumbing shutoff valves shall be installed in each hot and cold water pipe to each fixture and piece of equipment. Unions shall be installed to facilitate removal.
- Insulation shall be preformed fiberglass and shall be continuous and neatly finished:
  - Cold water - 1/2" with factory applied vapor barrier (final installation shall be unbroken).
  - Hot water: 1" (Runouts up to 12' may be 0.5")
  - Hydronic piping - 1.5" min (Runouts up to 12' may be 0.5") (above 140°F)
  - 1.0" min (below 141°F)
- Ductwork: Supply - 1-1/2" w/unbroken vapor barrier.  
Return - 1-1/2" w/unbroken vapor barrier.  
Exhaust - not to be insulated.
- Piping is to be concealed in all finished areas. Support piping in manner to avoid sagging and vibration - max spacing for steel is 10', for copper is 4'. Copper pipe must have copper hangers. Steel piping shall have steel clamp hangers which permit lateral movement of the pipe. Concrete anchors, beam clamps or wood bolts shall be used to hold hangers, as appropriate. If any pipe is placed in outside walls or ceiling area, it shall be inside of the unbroken building insulation.
- Contractor shall demonstrate to owners the operability of all valves, fixtures and equipment and provide owner with all appropriate operating manuals bound in plastic covers before leaving site.
- These plans have been prepared in accordance with local, state and national codes. If any deviations is noted, it should be brought to the attention of the engineer for resolution. HVAC System shall be installed in accordance with NFPA 90A and the BOCA Mechanical Code. The kitchen exhaust system shall be in accordance with NFPA 96 and the BOCA Mechanical Code.

- For HVAC System ducting:
  - Air flows for balancing noted. At completion of installation, system shall be tested and these figures demonstrated to be met as follows: (Note: Controller for the variable speed fan shall be permanently marked for the design flow)
  - (1) Balance EF-1 System within + 5% and confirm kitchen exhaust system values.
  - (2) W/ EF-1 operating, as balanced and all doors closed, balance air flows to within + or - 5% of values listed.
- Spliters, diffusers, tees, grilles, and all bends greater than 22-1/2 degrees shall have turning vanes installed.
- All diffusers and grilles shall have face adjustable dampers; other rough balancing dampers shall be installed as the contractor considers necessary.
- Diffuser/grille locations shall be adjusted to avoid lights and fit into architectural details.
- Ductwork, which shall be galvanized steel, is to be installed in strict accordance with the latest edition of the SMACNA Standard, HVAC Duct Construction Standards - metal and flexible - and shall be installed to minimize low points, any of which shall be suitable drained. Install flexible ducts in lengths not longer than 14'.
- Ductwork shall have access covers at any balancing or fire damper.
- Transitions from round to rectangular/square or increasing/decreasing size shall be at a maximum of 5 degrees.
- Kitchen exhaust duct:
  - All parts from same manufacturer.
  - Install in complete accordance with manufacturer's instructions.
  - Must be UL Listed.
  - Exhaust hood configuration and connections may vary depending upon the manufacturer but shall meet the envelopes shown on plan and allowable in building. The plans are based on a captive-aire hood. Fire suppression nozzle locations are determined by the actual kitchen equipment positions under the hood and the type of equipment. There shall be no internal obstructions in the exhaust ducting.
  - Hanger brackets and tie-rods for exhaust hoods shall be furnished by the manufacturer with the hood.
  - System installer must be certified by the hood manufacturer.
- Waste pipes shall have a minimum slope of 1/4" per foot towards exit from building without high points. Vent pipes shall be sloped continuously upwards to exit.
- All waste pipes shall tie into mains and branches at 45 degrees or less in direction of flow.
- Cleanouts shall be 4" minimum and shall have 18" minimum access in direction of flow. Provide access panels to cleanouts behind finished areas.
- Locations of thermostats and equipment controls are approximate; final locations shall be mutually agreed to by the owner.
- All equipment shall be installed in accordance with manufacturers' instructions.
- Gas piping shall be in accordance with NFPA 54, National Fuel Gas Code, and the BOCA Basic Mechanical Code. The following applies:
  - All branches shall be from the top or sides of horizontal pipes; the system must be electrically continuous and bonded to a grounded electrode.
  - Maximum pipe support spacing shall be 8' for steel and 6' for copper.
  - Suitable transition fittings shall be installed between dissimilar materials.
  - Regulators, reliefs, meter and tank shutoff will be furnished with the storage tank by gas supplier.
  - Each appliance shall be connected to the main pipe with a dirt trap, shutoff valve and union.
  - Testing shall be in accordance with Section M-813 of the BOCA 1990 Mechanical Code with 1992 Supplement, 1-1/2 time the working pressure or 15 PSIG, maintaining the test pressure for at least ten minutes. This shall be followed by purging to a safe location in accordance with M-814.
  - Clearances to gas-fired equipment shall be 6" minimum from any combustible surface.
- Cleaning and testing of water systems -
  - Cleaning of water systems: flush systems after installation until water is clear. Then systems shall be disinfected in accordance with AWWA C-600-82/C-601-81, or BOCA P-1507.0. Hydronic systems shall not be disinfected.
  - Before covering systems, the following tests are required:

- Hot and cold water: hydrostatically to 125 PSIG for three hours without pressure drop. Radiant heat tubing to manufacturer's specified maximum; 150 psig or greater.
  - Waste: minimum of 10' head without noticeable level drop during three hours of test.
- Hose bibbs shall be mounted a minimum of 3' - 6' above grade, but shall be accessible for operation.
- Minimum burial below grade for external pipes shall be as shown for waste and 4' for water. Buried pipes shall be installed in accordance with BOCA Code P-308.
- Water hammer arrestors shall be installed at each group of fixtures per P and D instit. Std. PDI-WH-201.
- Flue & double-walled vent installation:
  - Shall be 24 gage st.st. or c.s. 16 gage or thicker, all fuel type, double walled, preinsulated UL Listed, suitable for continuous operation up to 1000°F.
  - Shall include all fittings and accessories required including but not limited to:
    - Drain bucket and cleanout
    - Cap
    - Building roof transition
    - Barometric damper- corrosion resistant steel rolling-hinge-pin type bearing, balanced gate with setting by infinitely variable screw adjustment.
  - All parts from same manufacturer.
  - Install in complete accordance with manufacturer's instruction.
- Doors shall be undercut to permit free air exchange between rooms.
- Oil piping (steel) and equipment installation shall be in accordance with specific manufacturer's instructions, NFPA 31 and Article 9 of the BOCA Mechanical Code. This shall be a single pipe system; suitable adjustments shall be made to the equipment. The oil system piping shall be tested with air or inert gas to 5 PSIG, with no measurable leakage in four hours.
- Gas line shall have a shutoff on the outside and inside where it enters the building.
- Boiler room shall be protected by an approved automatic fire suppression system. (Sprinkler from domestic water system) Sprinkler shall be a standard orifice pendant type with intermediate rating (212°F). Indicator valve shall be a bronze rising stem gate valve similar to Milwaukee 1152 with lock open capability. The water flow detector is to be tied into the fire alarm system Gem Model VS-SP.
- Slab heat tubing shall be installed in accordance with manufacturer's installation instructions. Installation shall be reviewed and approved by Engineer before concrete is poured.



Scale: As Shown  
Project No.: 9318  
Date : December 7, 1994  
Revised: March 30, 1995  
Issued for Permit

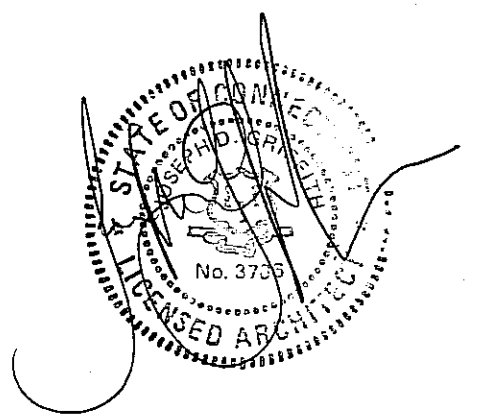
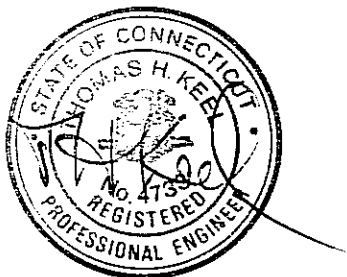
P1

Joseph Griffith  
Architects  
124 Main Street  
Deep River, Connecticut  
06417  
203 526 4319

Keel and Associates  
Consulting Engineers  
Mechanical and Electrical  
P.O. Box 157  
Old Lyme, Connecticut  
06371  
203 434 5856

Plumbing and Heating System Notes

213.5  
106.75

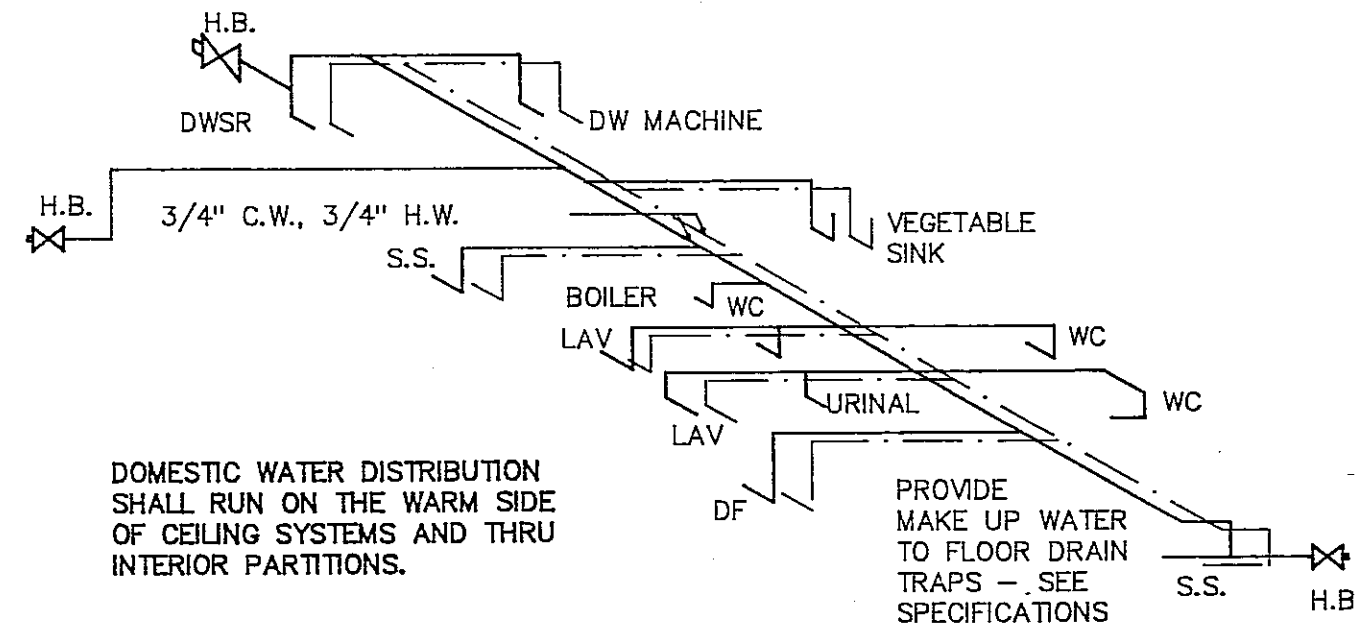


Scale: As Shown  
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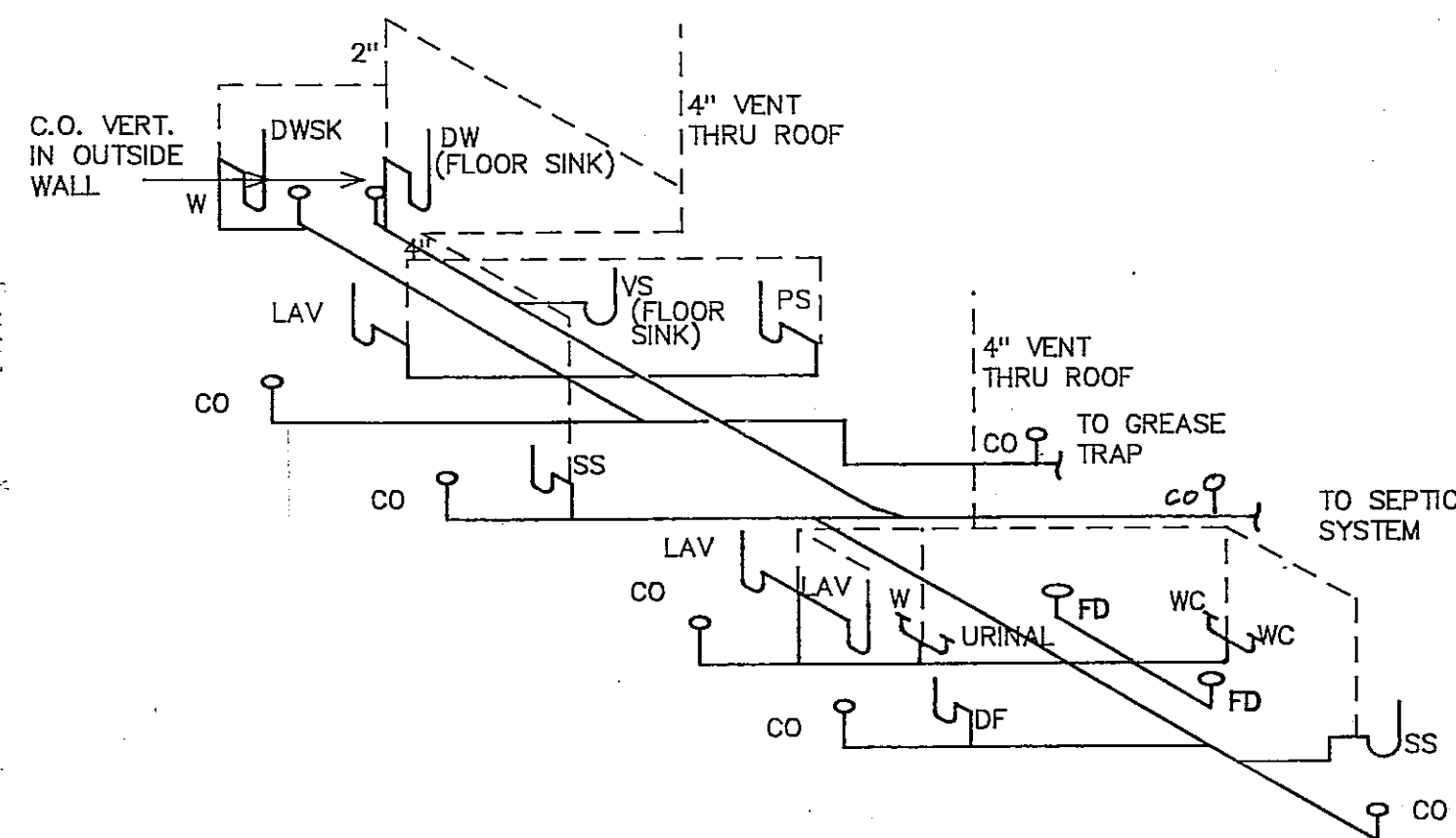
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SYMBOLS LIST

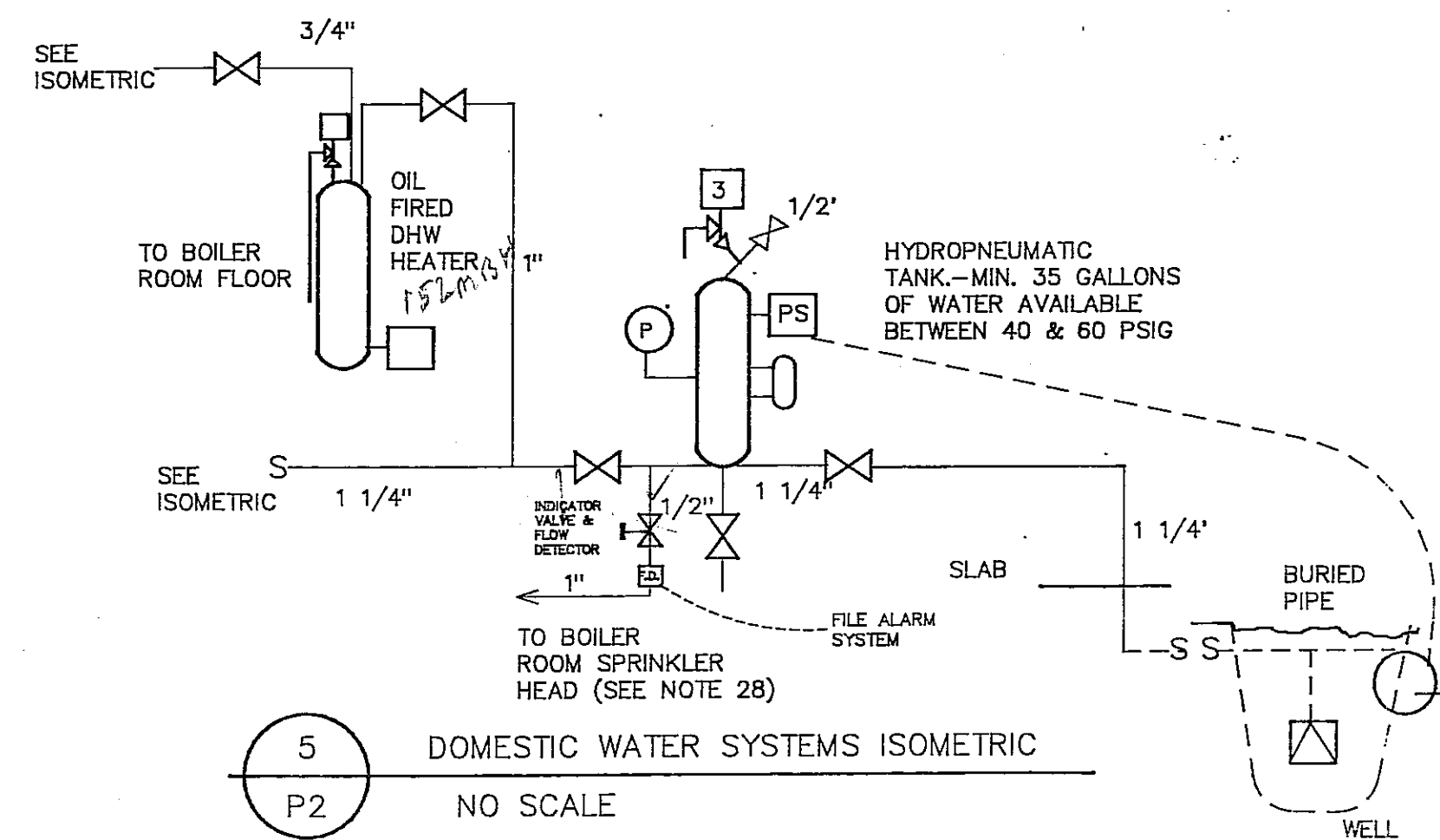
|     |                    |        |                             |
|-----|--------------------|--------|-----------------------------|
| —S— | SUPPLY DUCT        | —      | COLD WATER                  |
| —R— | RETURN DUCT        | —      | HOT WATER                   |
| —E— | EXHAUST DUCT       | —W—    | WASTE                       |
| CFM | SUPPLY DIFFUSER    | —V—    | VENT                        |
| CFM | EXHAUST GRILLE     | —S—    | HYDRONIC SUPPLY             |
| CFM | RETURN GRILLE      | —R—    | HYDRONIC RETURN             |
| —   | CHECK VALVE        | —      | SHUTOFF VALVE               |
| —   | BALANCE VALVE      | —CO—   | CLEANOUT                    |
| —   | 4 WAY MIXING VALVE | —      | CONTROL VALVE               |
| —   | REDUCER            | —      | PUMP                        |
| —   | CONTROL— (FAN)     | —      | BACKFLOW PREVENTER          |
| —   | THERMOSTAT         | —      | RELIEF VALVE                |
| PS  | PRESSURE SWITCH    | —H.B.— | HOSE BIBB                   |
| P   | PRESSURE GAUGE     | —      | SPRINKLER HEAD (MED. TEMP.) |
|     |                    | —G—    | GAS PIPE                    |
|     |                    | —      | GAGE GLASS                  |
|     |                    | —      | GAS PIPE UNION              |



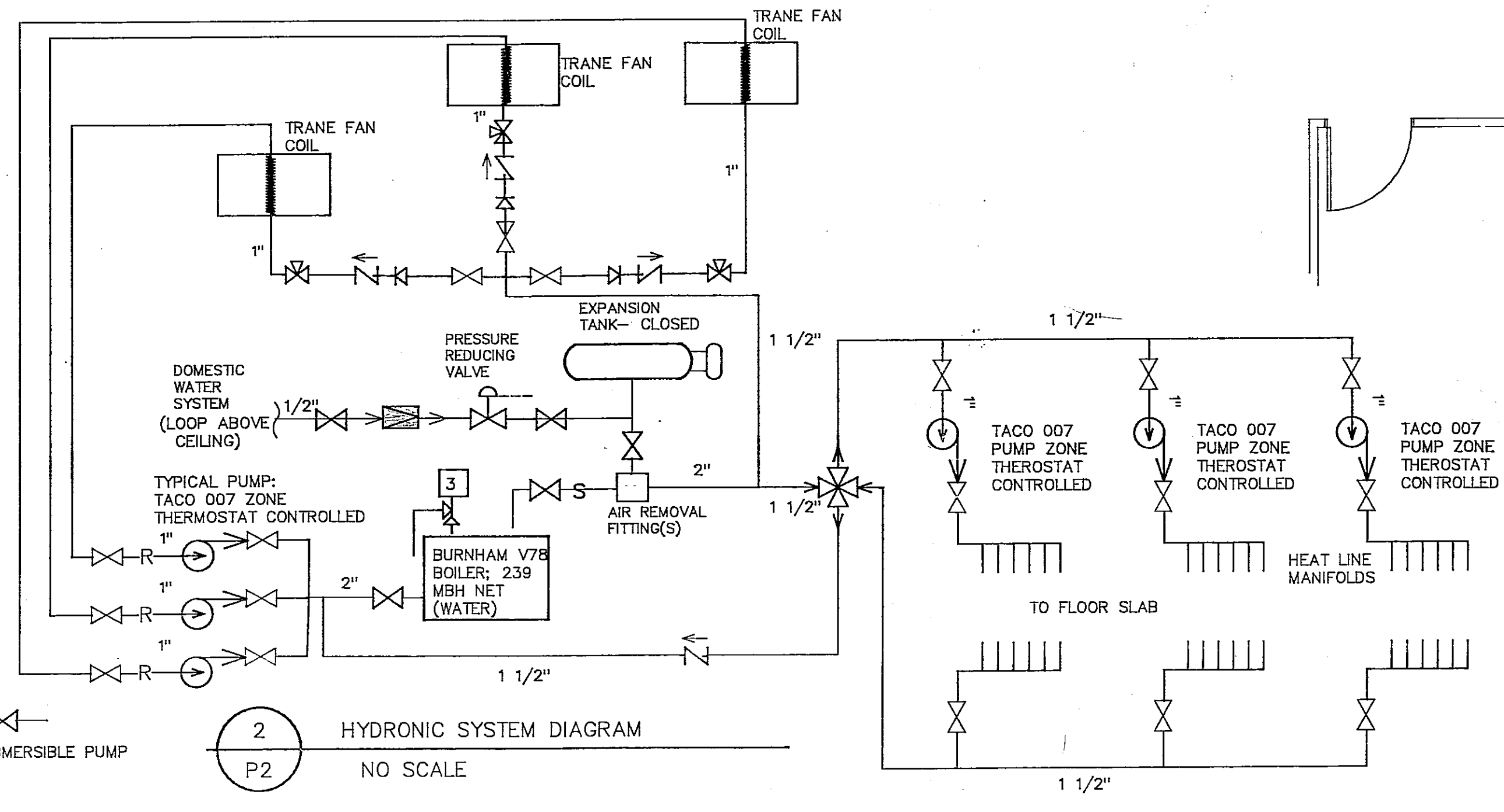
3 HOT/COLD WATER SYSTEMS ISOMETRICS  
P2 NO SCALE



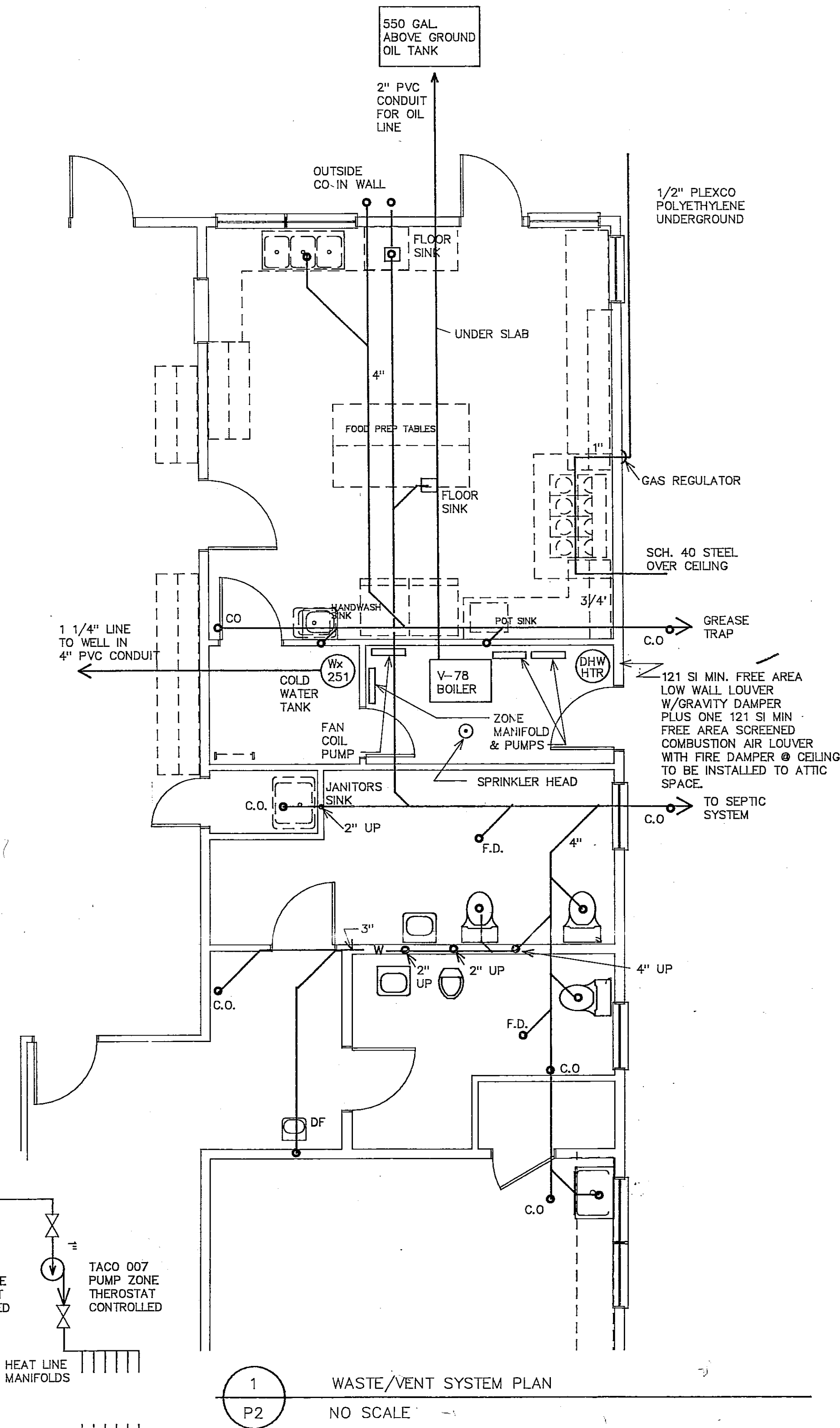
4 WASTE/VENT SYSTEMS ISOMETRICS  
P2 NO SCALE



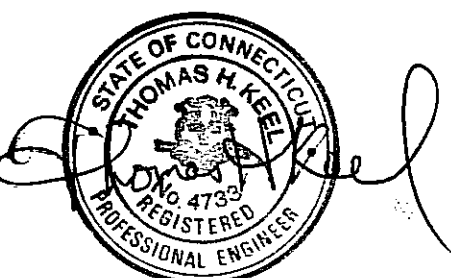
5 DOMESTIC WATER SYSTEMS ISOMETRIC  
P2 NO SCALE



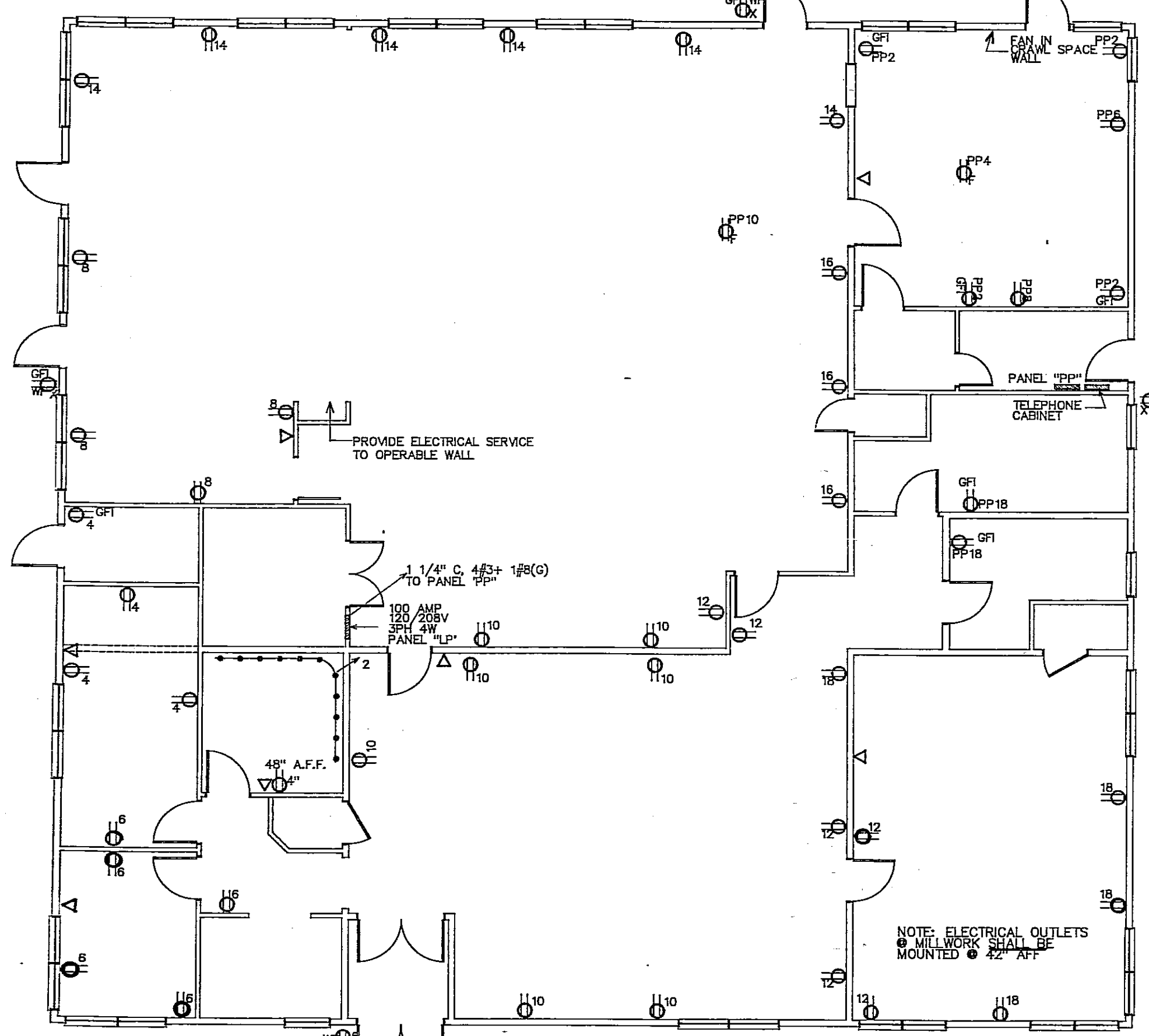
2 HYDRONIC SYSTEM DIAGRAM  
P2 NO SCALE



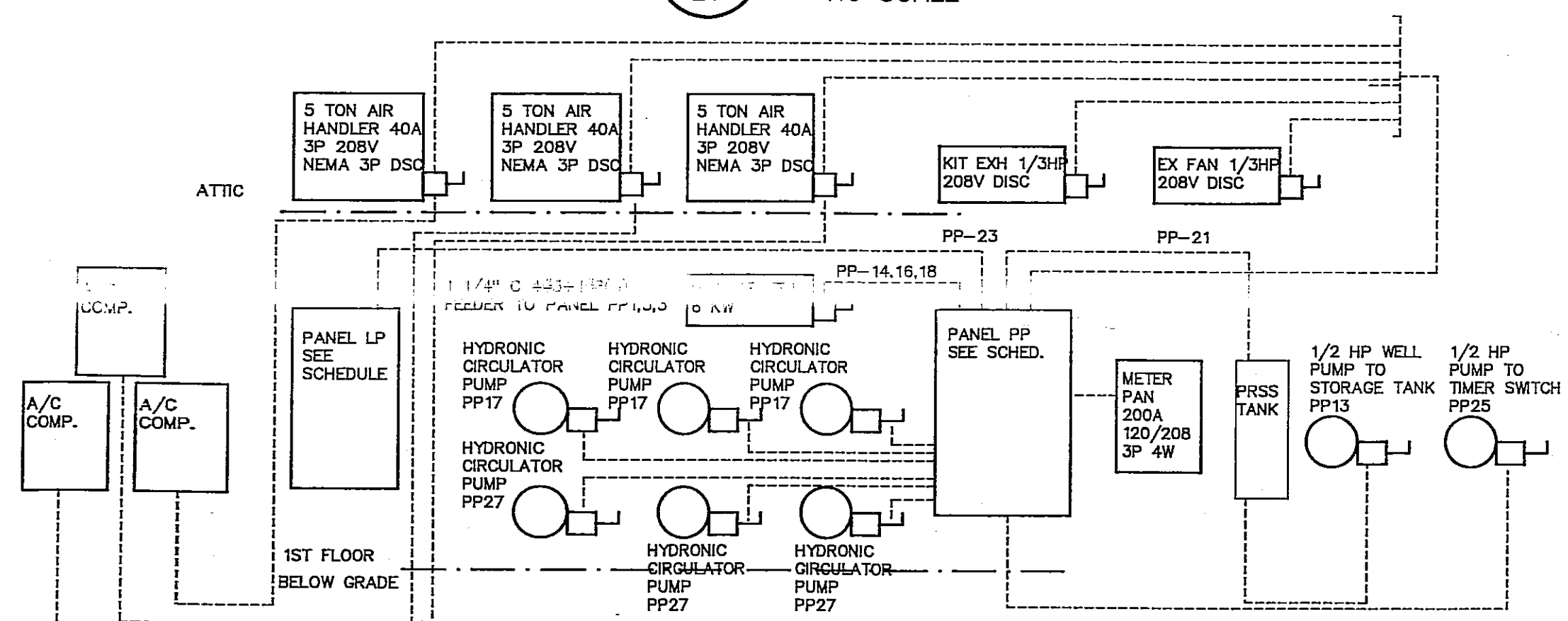
1 WASTE/VENT SYSTEM PLAN  
P2 NO SCALE



- DUPLEX OUTLET 20A 120V W/ COVER PLATE, WHITE, ARROW HART # 5362W, PLATE # 6249 WHI OR APPROVED EQUAL.
- DUPLEX OUTLET 20A 120V WITH COVER PLATE, WHITE, GFI DENOTES GROUND FAULT INTERRUPTER, GE #GE8300-12 OR APPROVED EQUAL.
- DUPLEX OUTLET 20A 120V WITH COVER PLATE, WHITE, WP DENOTES WEATHER PROOF OUTLET, GE #GE8300-12 OR APPROVED EQUAL.
- PLUG/RECEPT SYSTEM W/ 120V 20A RECEPTACLES 12" LENGTH AS INDICATED, MAXIMUM 7 OUTLETS PER CIRCUIT, HUBBELL OR APPROVED EQUAL.
- WALL SWITCH 20A 120V WITH COVER PLATE, WHITE, "O" DENOTES SWITCH OPERATES OUTER LAMPS, "I" DENOTES SWITCH OPERATES CENTER LAMP, ARROW HART #1991, PLATE #6241 OR APPROVED EQUAL.
- WALL SWITCH 20A 120V 3 WAY WITH COVER PLATE, WHITE, ARROW HART #1993, PLATE #6241 OR APPROVED EQUAL.
- WALL SWITCH 120V 120V SENSOR W/ COVER PLATE, BRYANT MSWS800-120 OR APPROVED EQUAL.
- ELECTRICAL POWER PANEL "PP" AND LIGHTING PANEL "LP", SEE SCHEDULE.
- DENOTES HOME RUN, 2#12(G) IN EMT, MINIMUM SIZE TO BE #12 THIN OR THIN COPPER, CONDUIT NOT REQUIRED FOR INDOOR LIGHTING AND OUTLETS.
- DENOTES 2 #12 HOT WIRES AND 1 #12 (WHITE) NEUTRAL W/ 1 #12(GREEN) IN 3/4" EMT OR MC CABLE.
- FLUSH MOUNTED 3"x3" PARABOLIC TROFFER 3 LAMP FLUORESCENT FIXTURE WITH ELECTRONIC BALLAST AND T8 LAMPS, HUBBELL # RD4GSAH-EIE OR APPROVED EQUAL.
- SURFACE MOUNTED 2 LAMP FLUORESCENT W/ WRAP AROUND ACRYLIC LENS WITH ELECTRONIC BALLAST AND T8 LAMPS, AMERICAN FLUORESCENT CORP. #FW240S.
- UNDERCOUNTER TYPE 2 LAMP FLUORESCENT FIXTURE W/ ELECTRONIC BALLAST & T-8 LAMPS, PROVIDE 2'-0" FIXTURES OVER LAVATORY FIXTURES, AMERICAN FLUORESCENT CORP. #FW240S OR APPROVED EQUAL.
- NOTE: MANUFACTURERS CATALOG MODELS ARE PROVIDED TO ESTABLISH QUALITY STANDARD.



1 ELECTRICAL PLAN  
E1 NO SCALE



3 ELECTRICAL RISER DIAGRAM  
E1 NO SCALE

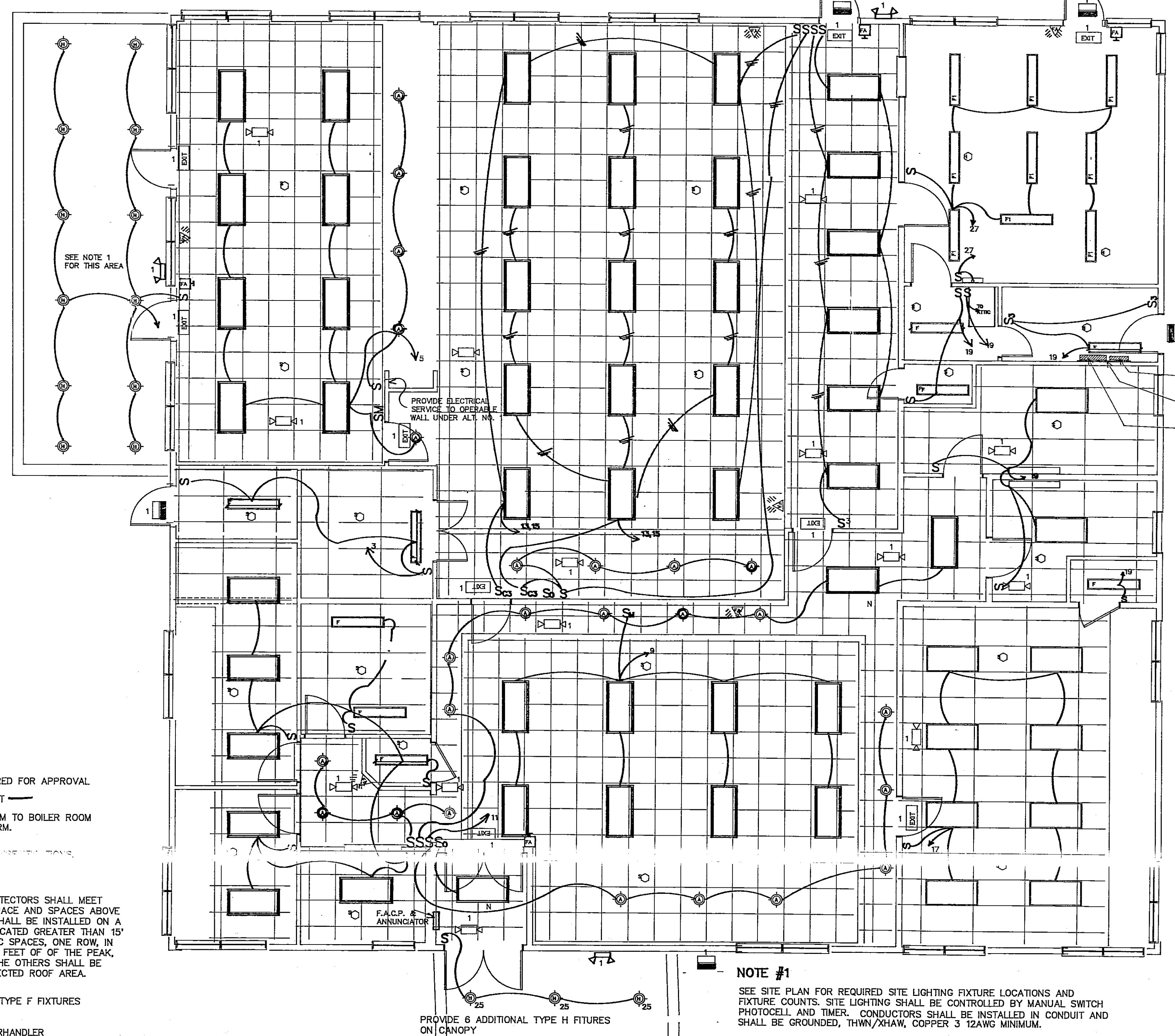
FIRE ALARM SYSTEM NOTES  
FULL SUBMITTAL OF DIAGRAMS ETC. REQUIRED FOR APPROVAL.  
FIRE SYSTEMS TO BE INSTALLED IN CONDUIT  
ALARM SYSTEM SHALL INCLUDE FLOW ALARM TO BOILER ROOM AND FUTURE KITCHEN EXHAUST HOOD ALARM.

ATTIC REQUIREMENTS:  
LOCATION AND INSTALLATION OF SMOKE DETECTORS SHALL MEET THESE PLANS AND NFPA 72. FOR ATTIC SPACE AND SPACES ABOVE SUSPENDED CEILINGS, SMOKE DETECTORS SHALL BE INSTALLED ON A 30' X 30' PATTERN, WITH NO DETECTOR LOCATED GREATER THAN 15' FROM THE EDGE OF AN AREA. IN THE ATTIC SPACES, ONE ROW, IN EACH SPACE, SHALL BE LOCATED WITHIN 3 FEET OF THE PEAK, MEASURED HORIZONTALLY PER NFPA 72; THE OTHERS SHALL BE MOUNTED AS ABOVE, BASED ON THE PROJECTED ROOF AREA.

PROVIDE ATTIC WORK LIGHTS, MINIMUM SIX TYPE F FIXTURES ON ONE SWITCHED CIRCUIT  
PROVIDE CONVENIENCE RECEPT. @ EACH AIRHANDLER

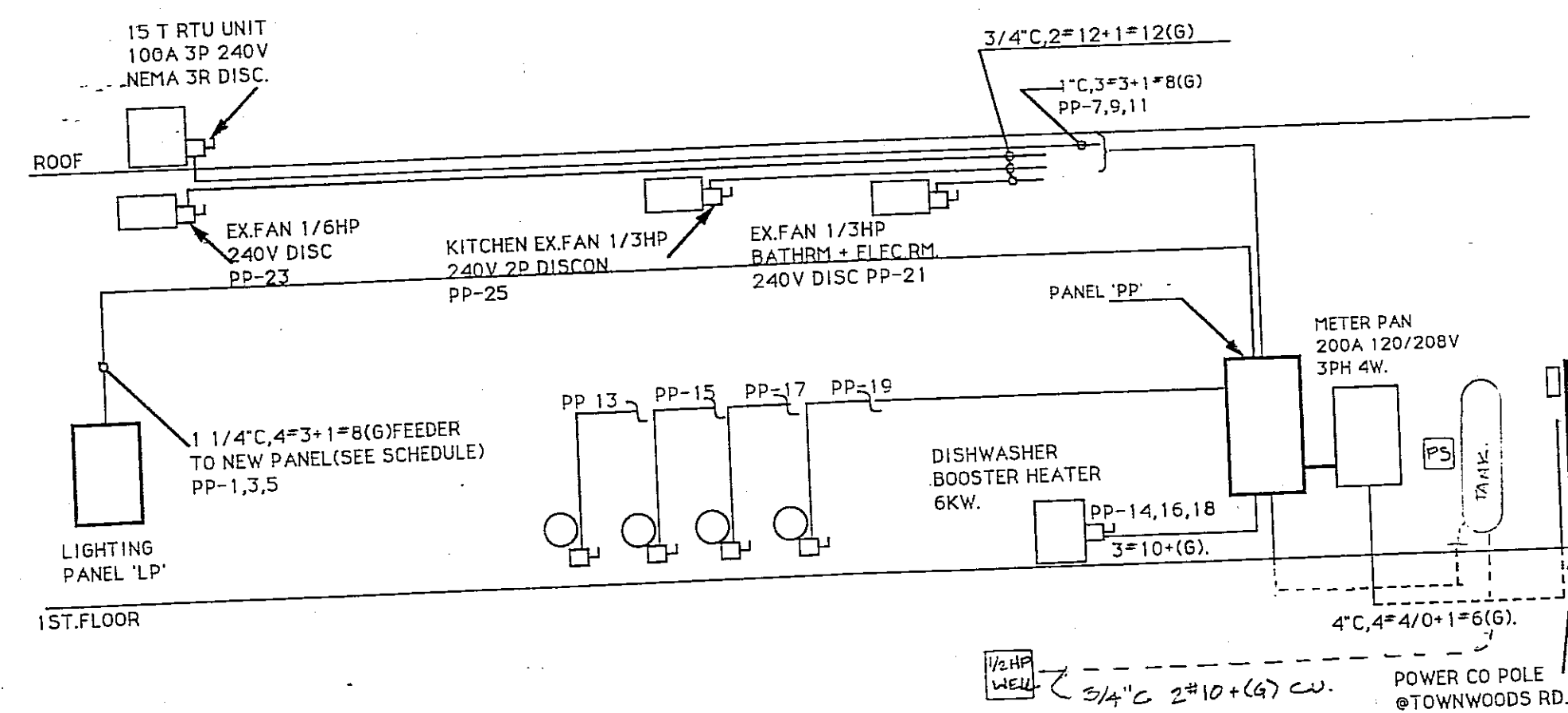
| LIGHTING PANEL "LP"                     |                                  |      |    |    |     |      |                            |      |    |
|-----------------------------------------|----------------------------------|------|----|----|-----|------|----------------------------|------|----|
| 3PH 4W 120/208V<br>100A 3P MAIN BREAKER |                                  |      |    |    |     |      |                            |      |    |
| LINE                                    | SERIES                           | TRIP | A  | B  | C   | LINE | SERIES                     | TRIP | A  |
| 1                                       | LIGHTS-EXT-EMERGENCY PERIMETER   | 2.0  | 7  | 9  | 2.0 | 2    | OUTLETS-WORK ROOM          | 2.0  | 7  |
| 3                                       | LIGHTS-OFFICE-WORKSTATION/RECOAT | 2.0  | 9  | 9  | 2.0 | 4    | OUTLETS-OFFICE-WORKSTATION | 2.0  | 9  |
| 5                                       | LIGHTS-EXTERIOR RM               | 2.0  | 9  | 9  | 2.0 | 6    | OUTLETS-OFFICE-WORKSTATION | 2.0  | 9  |
| 7                                       | LIGHTS-TERRACE DOWNLIGHTS        | 2.0  | 9  | 9  | 2.0 | 8    | OUTLETS-LOBBY/REC ROOM     | 2.0  | 9  |
| 9                                       | LIGHTS-LOBBY/REC ROOM            | 2.0  | 9  | 9  | 2.0 | 10   | OUTLETS-LOBBY/REC ROOM     | 2.0  | 9  |
| 11                                      | LIGHTS-LOBBY/REC ROOM            | 2.0  | 9  | 9  | 2.0 | 12   | OUTLETS-LOBBY/REC ROOM     | 2.0  | 9  |
| 13                                      | LIGHTS-DINING RM OUTER LAMPS     | 2.0  | 13 | 13 | 2.0 | 14   | OUTLETS-DINING RM          | 2.0  | 13 |
| 15                                      | LIGHTS-DINING RM INNER LAMPS     | 2.0  | 13 | 13 | 2.0 | 16   | OUTLETS-DINING RM          | 2.0  | 13 |
| 17                                      | LIGHTS-CRAFT ROOM                | 2.0  | 13 | 13 | 2.0 | 18   | OUTLETS-CRAFT ROOM         | 2.0  | 13 |
| 19                                      | LIGHTS-MEN/WOMEN'S-TOILET RM     | 2.0  | 13 | 13 | 2.0 | 20   | SPACE                      | 2.0  | 13 |
| 21                                      | LIGHTS-OUTDOOR POLES ON TOWER    | 2.0  | 13 | 13 | 2.0 | 22   | SPACE                      | 2.0  | 13 |
| 23                                      | LIGHTS-OUTDOOR POLES ON TOWER    | 2.0  | 13 | 13 | 2.0 | 24   | SPACE                      | 2.0  | 13 |
| 25                                      | LIGHTS-OUTDOOR BOLLARD & CANOPY  | 2.0  | 13 | 13 | 2.0 | 26   | SPACE                      | 2.0  | 13 |
| 27                                      | LIGHTS-KITCHEN                   | 2.0  | 13 | 13 | 2.0 | 28   | SPACE                      | 2.0  | 13 |
| 29                                      | SPACE                            | 2.0  | 13 | 13 | 2.0 | 30   | SPACE                      | 2.0  | 13 |
| 31                                      | SPACE                            | 2.0  | 13 | 13 | 2.0 | 32   | SPACE                      | 2.0  | 13 |
| 33                                      | SPACE                            | 2.0  | 13 | 13 | 2.0 | 34   | SPACE                      | 2.0  | 13 |
| 35                                      | SPACE                            | 2.0  | 13 | 13 | 2.0 | 36   | SPACE                      | 2.0  | 13 |
| 37                                      | SPACE                            | 2.0  | 13 | 13 | 2.0 | 38   | SPACE                      | 2.0  | 13 |
| 39                                      | SPACE                            | 2.0  | 13 | 13 | 2.0 | 40   | SPACE                      | 2.0  | 13 |
| 41                                      | SPACE                            | 2.0  | 13 | 13 | 2.0 | 42   | SPACE                      | 2.0  | 13 |

| PANEL TYPE WEST PWR-R-C GUB BUS<br>FEEDER: 1.25% 40A-1800<br>LOCATION: 50 WEST DINING ROOM |                                  |      |     |     |     |      |                             |      |    |
|--------------------------------------------------------------------------------------------|----------------------------------|------|-----|-----|-----|------|-----------------------------|------|----|
| 3PH 4W 120/208V<br>200A 3P MAIN BREAKER                                                    |                                  |      |     |     |     |      |                             |      |    |
| LINE                                                                                       | SERIES                           | TRIP | A   | B   | C   | LINE | SERIES                      | TRIP | A  |
| 1                                                                                          | FEEDER TO LIGHTING PANEL LP      | 1.00 | 61  | 61  | 61  | 2    | OUTLETS-COUNTER TOP KITCHEN | 2.0  | 61 |
| 3                                                                                          | 1                                | 1    | 6   | 6   | 6   | 4    | OUTLETS-COUNTER TOP KITCHEN | 2.0  | 61 |
| 5                                                                                          | 1                                | 1    | 6   | 6   | 6   | 6    | OUTLETS-COUNTER TOP KITCHEN | 2.0  | 61 |
| 7                                                                                          | AIR CONDITIONER: 5 TONS          | 1.0  | 6   | 6   | 6   | 8    | OUTLET-REF. FREEZER         | 2.0  | 61 |
| 9                                                                                          | 11                               | 1.0  | 6   | 6   | 6   | 10   | OUTLET-REF. FREEZER         | 2.0  | 61 |
| 11                                                                                         | 11                               | 1.0  | 6   | 6   | 6   | 12   | OUTLET-FOODSERVICE AREA     | 2.0  | 61 |
| 13                                                                                         | 1/2 HP WELL PUMP TO STORAGE TANK | 2.0  | 2.2 | 2.2 | 2.2 | 14   | DISHWASHER                  | 1.0  | 61 |
| 15                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 2.2 | 2.2 | 2.2 | 16   | DISHWASHER                  | 1.0  | 61 |
| 17                                                                                         | 3-1/2 HP HYDRO-PUMP              | 2.0  | 2.2 | 2.2 | 2.2 | 18   | DISHWASHER                  | 1.0  | 61 |
| 19                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 20   | DISHWASHER                  | 1.0  | 61 |
| 21                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 22   | DISHWASHER                  | 1.0  | 61 |
| 23                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 24   | DISHWASHER                  | 1.0  | 61 |
| 25                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 26   | DISHWASHER                  | 1.0  | 61 |
| 27                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 28   | DISHWASHER                  | 1.0  | 61 |
| 29                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 30   | DISHWASHER                  | 1.0  | 61 |
| 31                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 32   | DISHWASHER                  | 1.0  | 61 |
| 33                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 34   | DISHWASHER                  | 1.0  | 61 |
| 35                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 36   | DISHWASHER                  | 1.0  | 61 |
| 37                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 38   | DISHWASHER                  | 1.0  | 61 |
| 39                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 40   | DISHWASHER                  | 1.0  | 61 |
| 41                                                                                         | 1/2 HP EXHAUST FAN               | 2.0  | 1.8 | 1.8 | 1.8 | 42   | DISHWASHER                  | 1.0  | 61 |

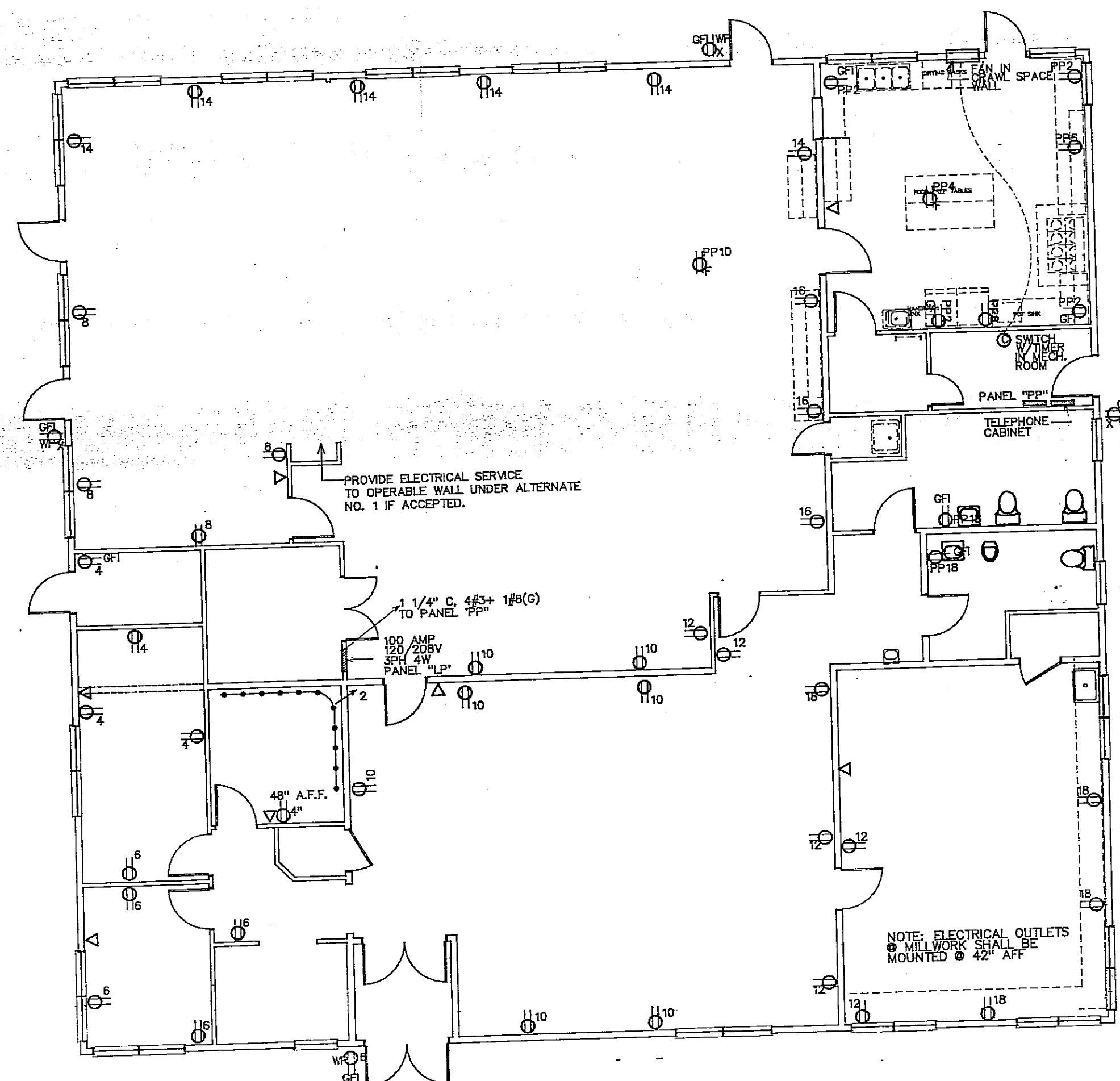


NOTE #1  
SEE SITE PLAN FOR REQUIRED SITE LIGHTING FIXTURE LOCATIONS AND FIXTURE COUNTS. SITE LIGHTING SHALL BE CONTROLLED BY MANUAL SWITCH PHOTOCELL AND TIMER. CONDUCTORS SHALL BE INSTALLED IN CONDUIT AND SHALL BE GROUNDED, THW/XHAW, COPPER 3 12AWG MINIMUM.

2 LIGHTING PLAN  
E1 Scale : 3/16" = 1'-0"



POWER RISER DIAGRAM  
NTS



1 ELECTRICAL PLAN  
E1 NO SCALE

POWER PANEL "PP"  
3PH 4W 120/208V  
200A 3P MAIN BREAKER

PANEL TYPE: WEST PWR-R-C CU BUS  
LOCATION: ELECTRIC ROOM  
FEEDER: FROM PWR. CO. 4" C, 4#4/0-1#8(G)  
REF. DWG. E-1

| POLE | SERVES                            | TRIP | AMPERES |      |     | TRIP                    | SERVES                      | POLE |
|------|-----------------------------------|------|---------|------|-----|-------------------------|-----------------------------|------|
|      |                                   |      | A       | B    | C   |                         |                             |      |
| 1    | FEEDER TO LIGHTING PANEL "LP"     | 100  | 61      |      |     | 20                      | OUTLETS-COUNTER TOP KITCHEN | 2    |
| 3    |                                   |      |         | 6    |     | 20                      | OUTLETS-FOOD PREP AREA      | 4    |
| 5    |                                   |      |         | 6    |     | 20                      | OUTLET-REF. FREEZER         | 6    |
| 7    | AIR CONDITIONER RTU 15 TONS       | 100  | 82      |      |     | 20                      | OUTLET-REF. FREEZER         | 8    |
| 9    |                                   |      |         | 6    |     | 20                      | OUTLET-FOODSERVING AREA     | 10   |
| 11   |                                   |      |         | 6    |     | 20                      | DISHWASHER                  | 12   |
| 13   | 1/2HP WELL PUMP TO STORAGE TANK   | 20   | 2.2     |      |     | 30                      | DISHWASHER BOOSTER HEATER   | 14   |
| 15   | 1/2HP STORAGE TANK TO CIRC.       | 20   |         | 2.2  |     |                         |                             | 16   |
| 17   | 1/2HP HYDRONIC CIRC. PUMP         | 20   |         | 1.7  |     |                         |                             | 18   |
| 19   | 1/3HP GAS BURNER DHW HTR.         | 20   | 1.6     |      |     |                         |                             | 20   |
| 21   | 1/3HP EX.FAN OVER ENTRANCE        | 20   |         | 1.6  |     |                         |                             | 22   |
| 23   | 1/6HP EX.FAN OVER EXERC.RM.       | 20   |         | 0.8  |     |                         |                             | 24   |
| 25   | 1/2 HP KITCHEN RANGE EXHAUST      | 20   |         |      |     |                         |                             | 26   |
| 27   | INTERLOCK WITH FIRE PROTECT. UNIT | 20   |         | 10.6 |     |                         |                             | 28   |
| 29   |                                   |      |         | 10.6 |     |                         |                             | 30   |
| 31   |                                   |      |         | 10.6 |     |                         |                             | 32   |
| 33   |                                   |      |         |      |     |                         |                             | 34   |
| 35   |                                   |      |         |      |     |                         |                             | 36   |
| 37   |                                   |      |         |      |     |                         |                             | 38   |
| 39   |                                   |      |         |      |     |                         |                             | 40   |
| 41   |                                   |      |         |      |     |                         |                             | 42   |
|      |                                   |      | 189     | 192  | 199 | TOTALS (CONNECTED LOAD) |                             |      |
|      |                                   |      |         | 0.6  |     | DEMAND FACTOR           |                             |      |
|      |                                   |      |         | 116  |     | TOTAL DEMAND AMPS.      |                             |      |
|      |                                   |      |         | 41.8 |     | TOTAL DEMAND KVA        |                             |      |

LIGHTING PANEL "LP"  
3PH 4W 120/208V  
100A 3P MAIN BREAKER

PANEL TYPE: WEST PWR-R-C CU BUS  
FEEDER: 1.25" C, 4#3+1#8(G)  
LOCATION: S.W. WEST DINING ROOM

| POLE | SERVES                          | TRIP | AMPERES |      |    | TRIP               | SERVES                        | POLE |
|------|---------------------------------|------|---------|------|----|--------------------|-------------------------------|------|
|      |                                 |      | A       | B    | C  |                    |                               |      |
| 1    | LIGHTS-EXIT/EMERG./PERIMETER    | 20   | 7       |      |    | 20                 | OUTLETS-WORK ROOM             | 2    |
| 3    | LIGHTS-OFFICE/WORK/STORE/COAT   | 20   |         | 9    |    | 20                 | OUTLETS-OFFICE/WORK ROOM      | 4    |
| 5    | LIGHTS-EXERCISE RM              | 20   |         | 9    |    | 20                 | OUTLETS-OFFICE/HEALTH OFFICE  | 6    |
| 7    | LIGHTS-TERRACE DOWNLIGHTS       | 20   | 3       |      |    | 20                 | OUTLETS-EXERCISE RM/TERRACE   | 8    |
| 9    | LIGHTS-LOBBY/REC. ROOM          | 20   |         | 8    |    | 20                 | OUTLETS-LOBBY/REC. ROOM       | 10   |
| 11   | LIGHTS-LOBBY/REC. ROOM DN LTS   | 20   |         | 5    |    | 20                 | OUTLETS-LOBBY/REC. DINING RM. | 12   |
| 13   | LIGHTS-DINING RM-OUTER LAMPS    | 20   | 13      |      |    | 20                 | OUTLETS-DINING & EXERCISE RM. | 14   |
| 15   | LIGHTS-DINING RM INNER&DN LTS.  | 20   |         | 8    |    | 20                 | OUTLETS-DINING ROOM           | 16   |
| 17   | LIGHTS-CRAFT ROOM               | 20   |         | 8    |    | 20                 | OUTLETS-CRAFT ROOM            | 18   |
| 19   | LIGHTS-MEN/WOMEN'S/ELEC.RM.     | 20   | 6       |      |    | 20                 | SPACE                         | 20   |
| 21   | LIGHTS-OUTDOOR POLES ON TIMER   | 20   |         | 10   |    | 20                 |                               | 22   |
| 23   |                                 |      |         | 10   |    | 20                 |                               | 24   |
| 25   | LIGHTS-OUTDOOR BOLLARD & CANOPY | 20   | 5       |      |    | 20                 |                               | 26   |
| 27   | LIGHTS-KITCHEN                  | 20   |         | 8    |    | 20                 |                               | 28   |
| 29   | SPACE                           | 20   |         |      |    | 20                 |                               | 30   |
| 31   |                                 | 20   |         |      |    | 20                 |                               | 32   |
| 33   |                                 | 20   |         |      |    | 20                 |                               | 34   |
| 35   |                                 | 20   |         |      |    | 20                 |                               | 36   |
| 37   | SPACE                           |      |         |      |    |                    |                               | 38   |
| 39   |                                 |      |         |      |    |                    |                               | 40   |
| 41   |                                 |      |         |      |    |                    |                               | 42   |
|      |                                 |      | 61      | 67   | 59 | TOTALS             |                               |      |
|      |                                 |      |         | 0.6  |    | DEMAND FACTOR      |                               |      |
|      |                                 |      |         | 37.4 |    | TOTAL DEMAND AMPS. |                               |      |
|      |                                 |      |         | 13.5 |    | TOTAL DEMAND KVA   |                               |      |

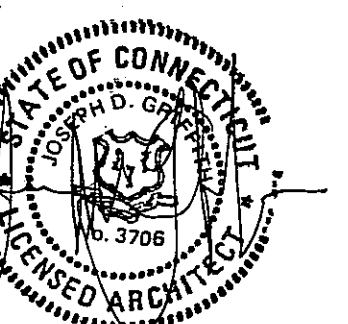
Lymes' Senior Center  
Old Lyme, Connecticut

Joseph Griffith  
Architects  
124 Main Street  
Deep River, Connecticut  
06417  
203 526 4319

Keel and Associates  
Consulting Engineers  
Mechanical and Electrical  
P.O. Box 157  
Old Lyme, Connecticut  
06371  
203 434 5853

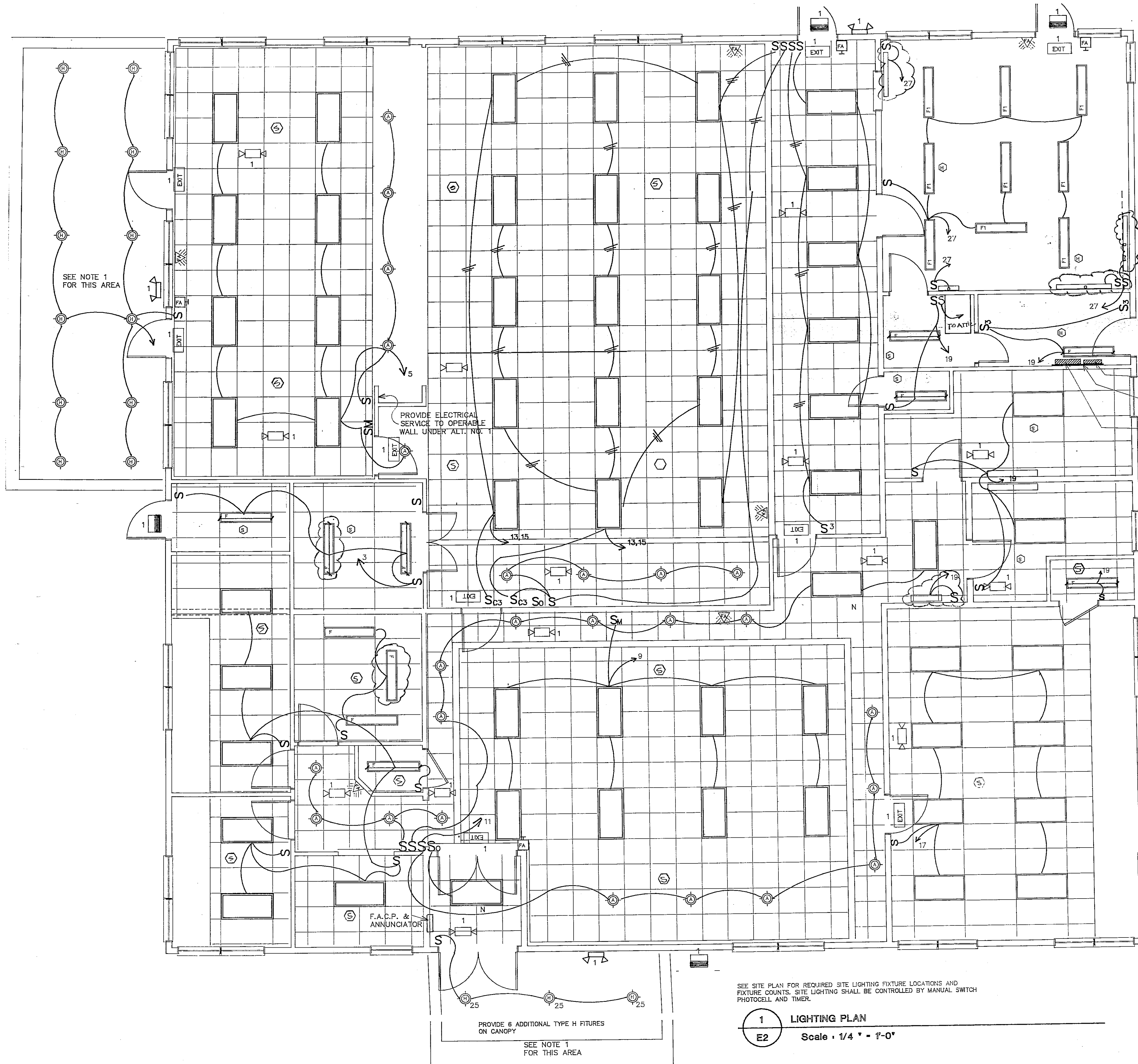
Gary D. Smith, P.E.  
Consulting Engineer  
P.O. Box 833  
Old Lyme, Connecticut  
06371  
203 434 3136

Electrical Plan, Electrical  
Riser Diagrams



Scale: 1/8" = 1'-0"  
Project No.: 9318  
Date: June 15, 1994  
Issued for Bid

E1



ATTN REQUIREMENTS:  
PROVIDE SMOKE DETECTION  
IN EACH AREA  
PROVIDE ATTIC WORK LIGHTS  
MINIMUM 6 TYPE F. FIXTURES  
ON 1 SWITCHED CIRCUIT

- TELEPHONE CABINET  
PROVIDE 4"x8"x3/4"  
PLYWOOD PAINTED BLACK DUPLEX OUTLET 20A, 120V W/ COVER PLATE, WHITE; ARROW  
FOR CABINET ATTACHMENT HART # 5362W, PLATE # 8249 WH OR APPROVED EQUAL
- ELECTRIC PANEL  
MAINTAIN 3' CLEARANCE
- DUPLEX OUTLET 20A 120V WITH COVER PLATE, WHITE WP DENOTES  
WHETHER PROOF OUTLET . GE #GE8300-T2 OR APPROVED EQUAL
- DUPLEX OUTLET 20A 120V WITH COVER PLATE, WHITE WP DENOTES  
WHETHER PROOF OUTLET . GE #GE8300-T2 OR APPROVED EQUAL
- PLUGTRACK SYSTEM W/ 120V 20A RECEPTACLES @ 12" LENGTH AS  
INDICATED, MAXIMUM 7 OUTLETS PER CIRCUIT, HUBBELL OR APPROVED EQUAL
- WALL SWITCH 20A 120V WITH COVER PLATE, WHITE, "O" DENOTES SWITCH  
OPERATES OUTER LAMPS, "C" DENOTES SWITCH OPERATES CENTER LAMP  
ARROW HART #19931, PLATE #82411 OR APPROVED EQUAL
- WALL SWITCH 20A 120V 3 WAY WITH COVER PLATE  
ARROW HART #19931, PLATE #82411 OR APPROVED EQUAL
- WALL SWITCH 1200W 120V SENSOR W/ COVER PLATE  
BRYANT MSWS800-120 OR APPROVED EQUAL
- ELECTRICAL POWER PANEL "PP" AND LIGHTING PANEL "LP". SEE SCHEDULE
- DENOTES HOME RUN, 2#12(G) IN EMT. MINIMUM SIZE TO BE #12 THHN OR THWN  
COPPER
- DENOTES 2 #12 HOT WIRES AND 1 #12 (WHITE) NEUTRAL W/ 1 #12(GREEN)  
IN 3/4" EMT OR MC CABLE
- FLUSH MOUNTED 3"x3" PARABOLIC TROFFER 3 LAMP FLUORESCENT FIXTURE  
WITH ELECTRONIC BALLAST AND T8 LAMPS, HUBBELL # RD455ZAH-EYE  
OR APPROVED EQUAL
- SURFACE MOUNTED 2 LAMP FLUORESCENT W/ WRAP AROUND ACRYLIC LENS  
WITH ELECTRONIC BALLAST AND T8 LAMPS, AMERICAN FLUORESCENT CORP.  
#MF240ES
- UNDERCOUNTER TYPE 2 LAMP FLUORESCENT FIXTURE W/ ELECTRONIC BALLAST  
& T-8 LAMPS, PROVIDE 2'-0" FIXTURES OVER LAVATORY FIXTURES, AMERICAN  
FLUORESCENT CORP. # VPW240RS OR APPROVED EQUAL
- EXTERIOR CEILING MOUNTED RECESSED FIXTURE W/ CLEAR REFLECTOR  
70 W HPS ON WALL SWITCH AND PHOTOCELL CONTROL, RUUD # R7507
- CEILING MOUNTED RECESSED FIXTURE W/ CLEAR REFLECTOR  
26 W FLUORESCENT RUUD # R77T-1CL OR APPROVED
- EXTERIOR WALL MOUNTED FIXTURE ON PHOTOCELL SECURITY CIRCUIT; 70 W  
HPS LAMP, RUUD # E4507-1-HP
- 36" BOLLARD WITH 50 W MH LAMP W/ CONE OPTICS, PROVIDE ANCHOR  
BOLTS AND MOUNTING ACCESSORIES AS REQUIRED FOR CONCRETE BASE,  
HADCO # 3450L
- POLE MOUNTED OUTDOOR FIXTURE W/ 250W MH LAMP, ON 12' POLE  
VERDE FINISH PHOTO CELL CONTROL, HADCO # P-152Q;V15G
- WALL MOUNTED EXIT LIGHT FLUORESCENT LAMP W/ BATTERY BACKUP AS REQUIRED  
DUAL LITE EXCALIBUR SERIES OR APPROVED EQUAL
- EMERGENCY LIGHT FIXTURE RECESSED CEILING INSTALLATION W/ 36 AH  
NICAD BATTERY; DUAL LITE EZZR SERIES OR APPROVED EQUAL
- TELEPHONE JACK OUTLET . PROVIDE 4 #22 GA WIRING TO TELEPHONE  
CABINET IN ELECTRIC ROOM.
- FIRE ALARM PULL STATION MOUNTED AT 48" AFF. FAST TYPE MS NON CODED
- FIRE ALARM HORN LIGHT SEMI FLUSH TYPE IN ALL AREAS.
- SMOKE DETECTOR; PHOTO ELECTRIC TYPE 2551 SOLID STATE W/ FLASHING  
STATUS LED FOR VISUAL SUPERVISION
- HEAT DETECTORS; CEILING MOUNTED RATE OF RISE DETECTOR.

NOTE: MANUFACTURERS CATALOG MODELS ARE PROVIDED TO ESTABLISH QUALITY STANDARD  
SEE SPECIFICATION FOR ACCEPTABLE MANUFACTURES, AND REQUIRED SUBMITTALS.

SEE SITE PLAN FOR REQUIRED SITE LIGHTING FIXTURE LOCATIONS AND  
FIXTURE COUNTS. SITE LIGHTING SHALL BE CONTROLLED BY MANUAL SWITCH  
PHOTOCELL AND TIMER.

1 LIGHTING PLAN  
E2 Scale: 1/4" = 1'-0"

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Project No.: 9318  
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E2

