

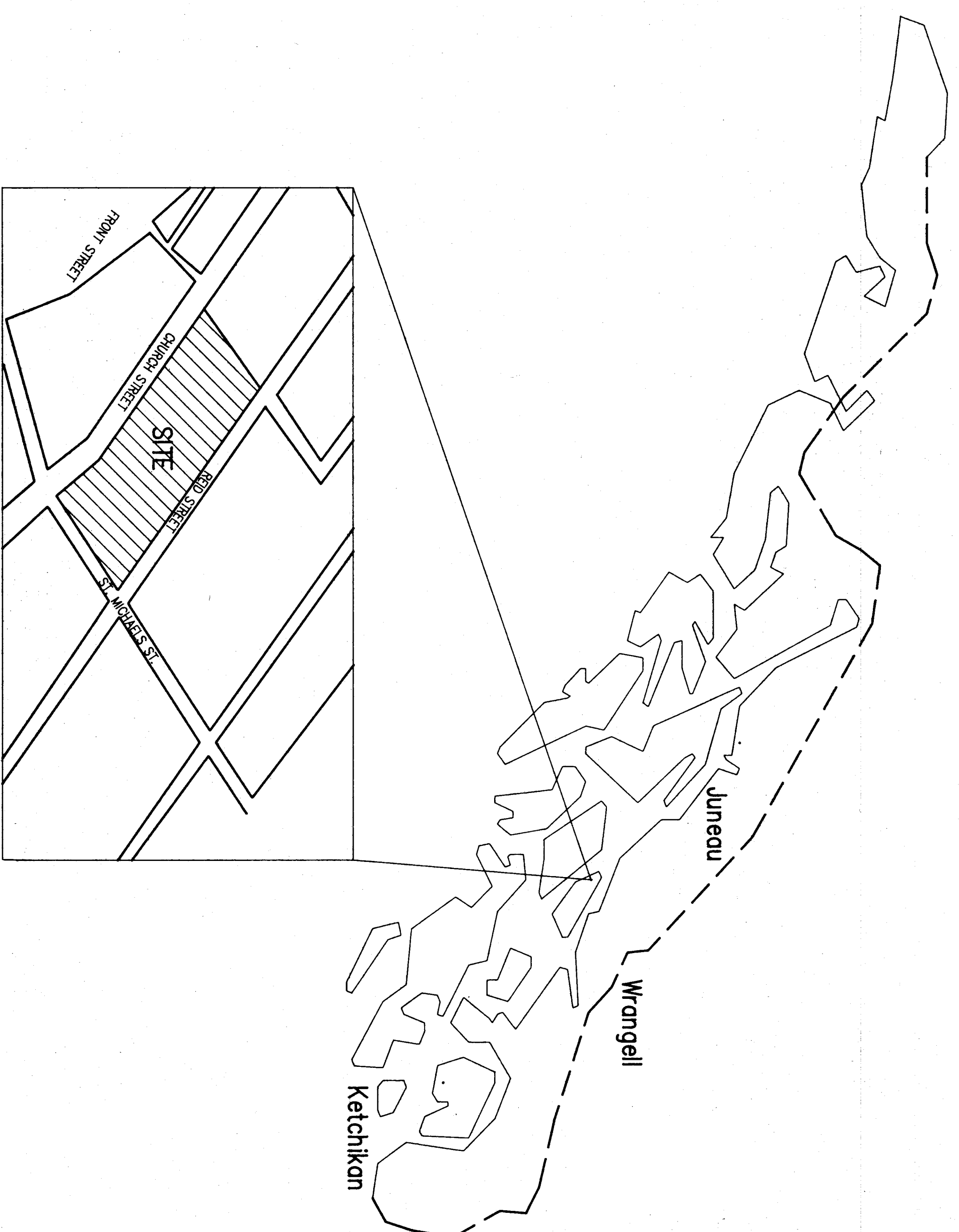
# Wrangell Middle School Remodel

## Wrangell, Alaska

### City of Wrangell

# Phase III

ARCHITECTS  
**CHARLES BETTSWORTH and COMPANY**  
 TECHNICAL CONSULTANTS,  
 STRUCTURAL ENGINEERING  
 Lotrus & Dalley, Inc.  
 MECHANICAL/ELECTRICAL ENGINEERING  
 Fryer/Presley Engineering  
 COST ESTIMATING  
 HWS



VICINITY MAP

#### CODE SUMMARY

UNIFORM BUILDING CODE - 1988 EDITION

A. Occupancy Group: E-1  
 B. Type of Construction: Type SN  
 C. Floor Area:  
 Basic Allowable Area - 9100 S.F./Floor (Table 5-C)  
 Basic Allowable No. of Floors - 1  
 Allowable Increase:  
 -Separation on 2 Sides (Sec. 506 d)  
 22 x 125 = 2750 x 9100 = 2502 S.F.  
 -Approved Fire Sprinkler - Add 1 Floor (Sec. 507)  
 TOTAL ALLOWABLE NO. OF FLOORS - 2  
 TOTAL ALLOWABLE AREA PER FLOOR - 11,802 S.F.

Actual Area:  
 -First Floor: Existing - 6288 S.F. Existing - 10,655 S.F.  
 Proposed - 3104 S.F. Proposed - 920 S.F.  
 TOTAL AREA FIRST FLOOR - 9392 S.F.  
 TOTAL AREA SECOND FLOOR - 11,575 S.F.

D. Requirements based on Occupancy:  
 Storage and Janitor Closets - 1 Hr. (Sec. 802.2c)  
 Boiler Rooms - 1 Hr. Separation (Sec. 808)  
 Occupant Load (Table 5-A):

Room	S.F.	1st Floor	2nd Floor	O.L.
Classrooms (1/20 S.F.)	4314	216	846	423
Offices (1/100 S.F.)	100	1	540	6
Commons (1/15 S.F.)	2030	136		
TOTAL OCCUPANT LOAD FIRST FLOOR -	353			
TOTAL OCCUPANT LOAD SECOND FLOOR -	429			

F. Required Plumbing Fixtures:  
 Based on a water flow from the State Plumbing Inspector Peter Jurecek (Feb. 27, 1989) we are allowed to use an occupant load of 140 for det-  
 emitting plumbing fixtures.

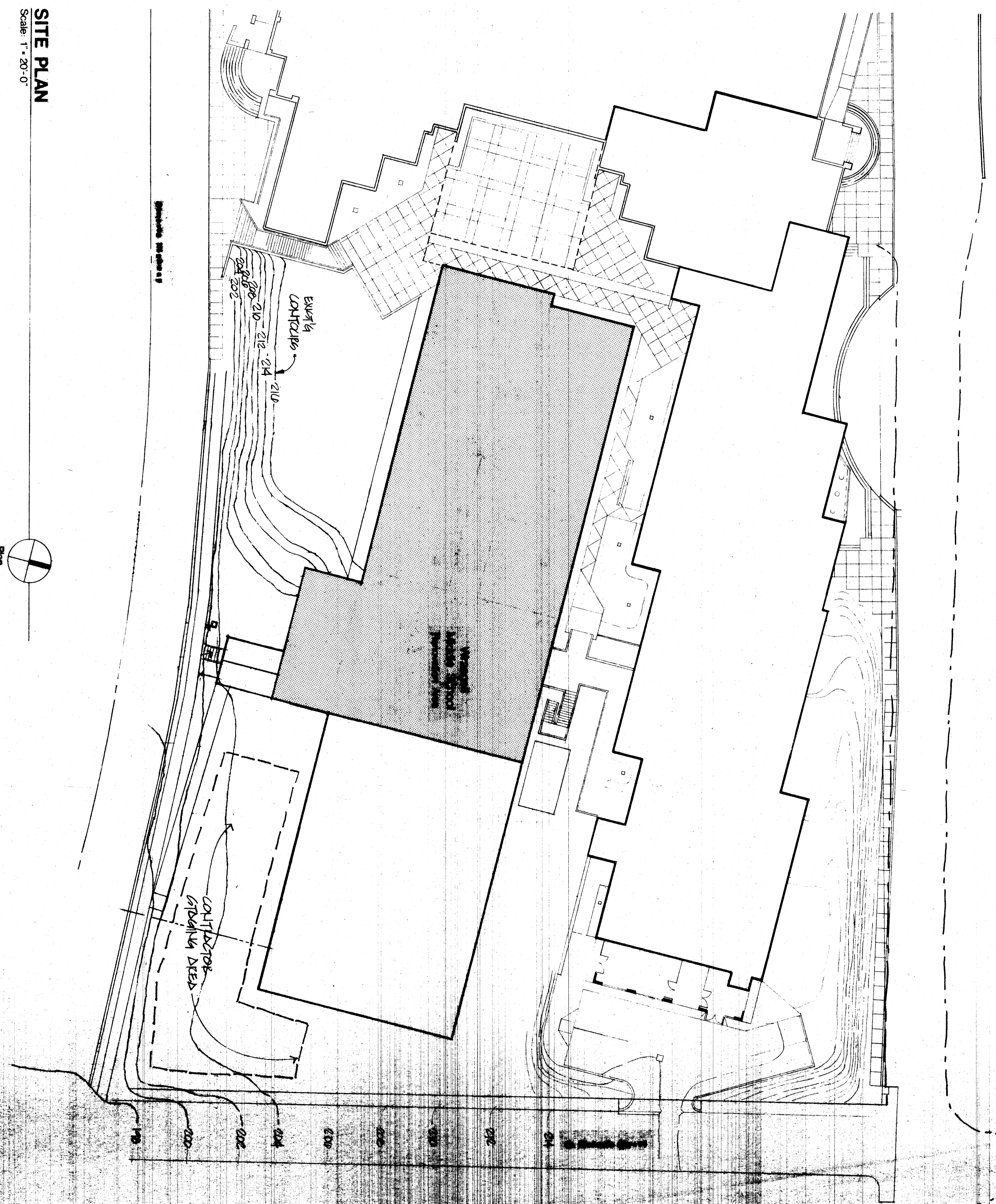
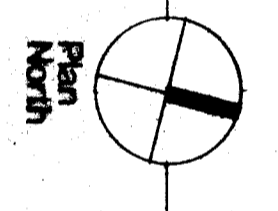
Occupant Load	Boys(1/100) (64)(1/35)	Water Closets (1/35)	Urinals (1/35)
First Floor 70	1 (35)	1 (35)	1 (35)
Second Floor 70	1 (35)	1 (35)	1 (35)
TOTAL FIXTURES 1ST FLR.	1	1	1
TOTAL FIXTURES 2ND FLR.	3	4	3

#### SHEET INDEX

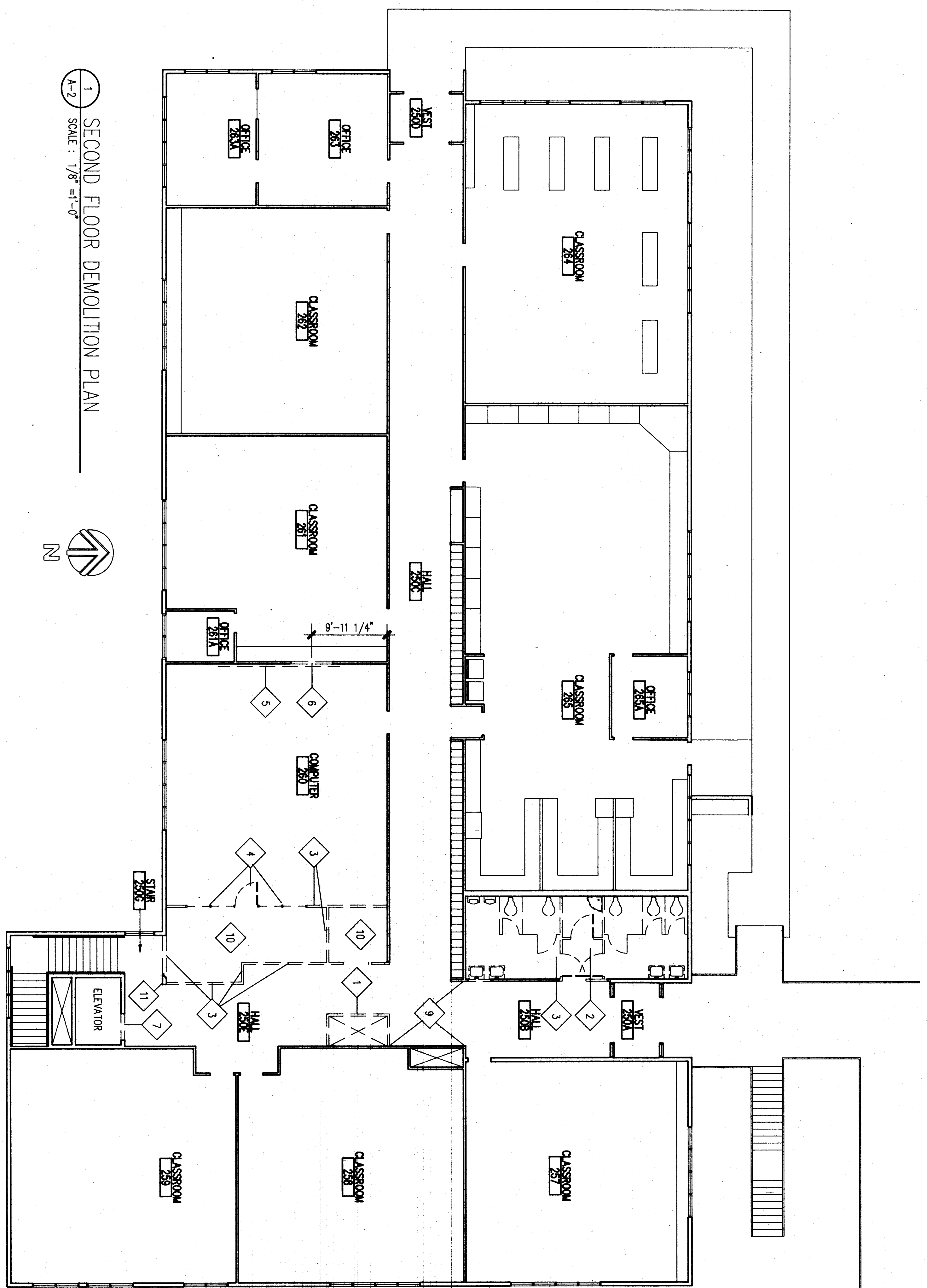
A-0	SITE PLAN
A-1	DEMOLITION FLOOR PLANS
A-2	RENOVATION FLOOR PLANS & WALL THICKS
A-3	NOT USED
A-4	REFLECTED CEILING PLAN & TOP OF WALL DETAILS
A-5	FAN ROOM PLANS, EXTERIOR ELEVATIONS & BUILDING SECTIONS
A-6	NOT USED
A-7	WALL SECTIONS & DETAILS
A-8	ENLARGED FLOOR PLANS - INTERIOR ELEVATIONS
A-9	DETAILS
A-10	SCHEDULES
S-1	CONCRETE/STAIRS, TYPICAL DETAILS & SCHEDULES
S-2	SECTIONS & DETAILS
M-1	STRUCTURAL TENDON & SCHEDULE
M-2	MECHANICAL EQUIPMENT LIST
M-3	FIRST FLOOR FLOOR DEMOLITION
M-4	SECOND FLOOR FLOOR DEMOLITION
M-5	NOT USED
M-6	SECOND FLOOR PLAN & DETAILS - AIR DISTRIBUTION
M-7	ROOF PLAN - AIR DISTRIBUTION
M-8	FIRST FLOOR PLAN - HEATING
M-9	SECOND FLOOR PLAN - HEATING
M-10	NOT USED
M-11	SECOND FLOOR PLAN - RILIBING
M-12	SECOND FLOOR PLAN - DEMOLITION & NEW WORK
M-13	FAN ROOM PLAN - AIR DISTRIBUTION
M-14	FAN ROOM PLAN - AIR DISTRIBUTION
M-15	HYDROK. NOTES & SCHEDULE
E-1	FIRST FLOOR - DEMOLITION
E-2	FIRST FLOOR - LIGHTING
E-3	FIRST FLOOR - LIGHTING
E-4	FIRST FLOOR - POWER
E-5	SECOND FLOOR - DEMOLITION
E-6	SECOND FLOOR - LIGHTING
E-7	SECOND FLOOR - POWER
E-8	ELECTRICAL DETAILS & SCHEDULES

**SITE PLAN**  
 Scale: 1" = 20'-0"

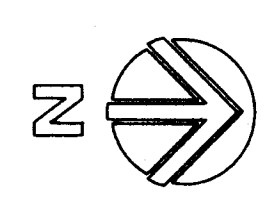
NOTE: SITE INFORMATION TAKEN FROM AERIAL PHOTOGRAPHY AND FIELD SURVEY (DATE: APRIL 1989)



	<p><b>SITE PLAN</b></p>	<p><b>WRANGELL MIDDLE SCHOOL REMODEL</b>  <b>WRANGELL, ALASKA</b></p>	<p>consultants</p>	<p>126 N. 4th Ave.          Anchorage, Alaska 99501</p>	<p>architectural - planning          P.O. Box 72008          Fairbanks, Alaska 99717</p>	<p>CHAMBERLAIN          DANIELSON          &amp;          COMPANY</p>



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



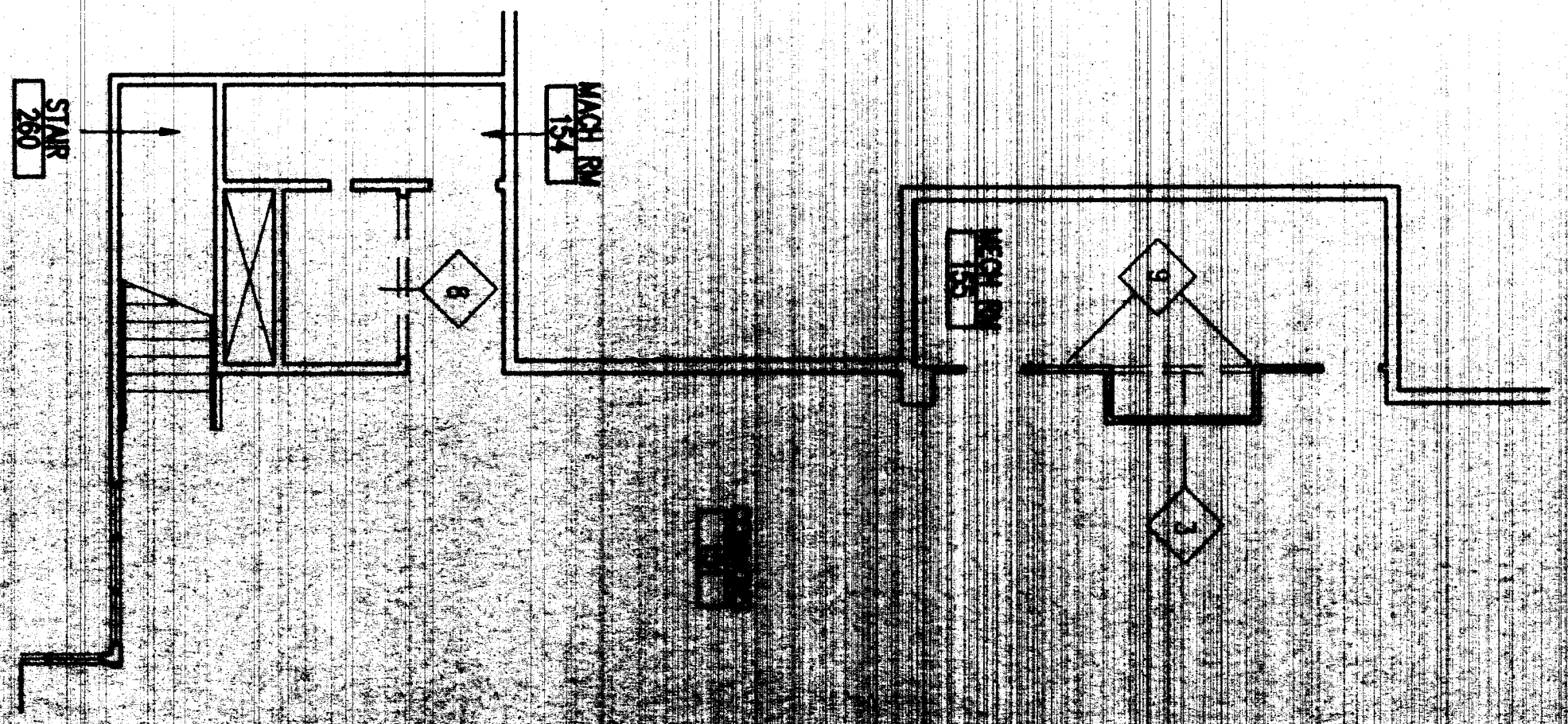
DEMOLITION NOTES

- 1 REMOVE EXISTING CHASE. SEE MECHANICAL AND ELECTRICAL DRAWINGS.
- 2 REMOVE TOILET PARTITIONS, BATHROOM ACCESSORIES, PLUMBING FIXTURES, WALL-MOUNTED ELECTRICAL ITEMS AND FINISHED WALL PANELS. REMOVE GYPSED AT WALLS. REMOVE PLUMBING FITTING CARRIERS AND CAP PIPING WITHIN FLOORING SPACE. PREPARE WALL STUDS AS REQUIRED TO INSTALL NEW FINISHES. SEE MECH AND ELEC DRAWINGS FOR ADDITIONAL NOTES.
- 3 REMOVE EXISTING WALLS AS INDICATED.
- 4 REMOVE EXISTING REJILE AND DOOR FRAME, GLAZING AND DOOR. DISPOSE OR STORE FOR REUSE AS DIRECTED BY THE OWNER.
- 5 REMOVE EXISTING CHALKBOARD. STORE FOR REINSTALLATION IN CLASSROOM 268 AS SHOWN.
- 6 CUT R.O. FOR NEW REJILE.

SYMBOLS

- 7 CUT R.O. FOR NEW HOSTWAY ENTRANCE DOOR.
- 8 REMOVE EXISTING WALL AS REQUIRED TO INSTALL NEW ELEVATOR.
- 9 CUT INSPECTION OPENINGS IN EXISTING WALLS TO VERIFY ADEQUACY OF SUPPORT FOR NEW FAN ROOM PENETROUSE. SEE SHEET A-2 AND STRUCTURAL DRAWINGS FOR LOCATIONS AND REQUIREMENTS.
- 10 REMOVE EXISTING CEILING. EXERCISE CARE TO AVOID UNNECESSARY DAMAGE TO CEILING COMPONENTS. STORE COMPONENTS FOR POSSIBLE REPLACEMENT OF DAMAGED COMPONENTS ELSEWHERE.
- 11 CAUTION: AVOID REMOVING STRUCTURAL SUPPORT MEMBERS. VERIFY EXISTING CONDITIONS PRIOR TO DEMOLITION.

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

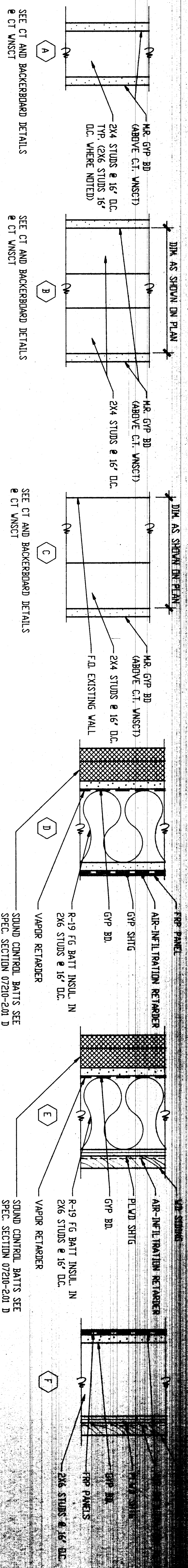


CONSULTANTS  
architects - planning  
P.O. Box 71208  
Fairbanks, Alaska 99707  
1/8" = 1'-0" (SEE SHEET A-2)  
DATE: 08/20/07

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL, ALASKA  
PHASE 1

Project: WRANGELL MIDDLE SCHOOL  
Address: 1000 W. 10th St.  
Fairbanks, Alaska 99701

2ND FLR DEMO PLAN



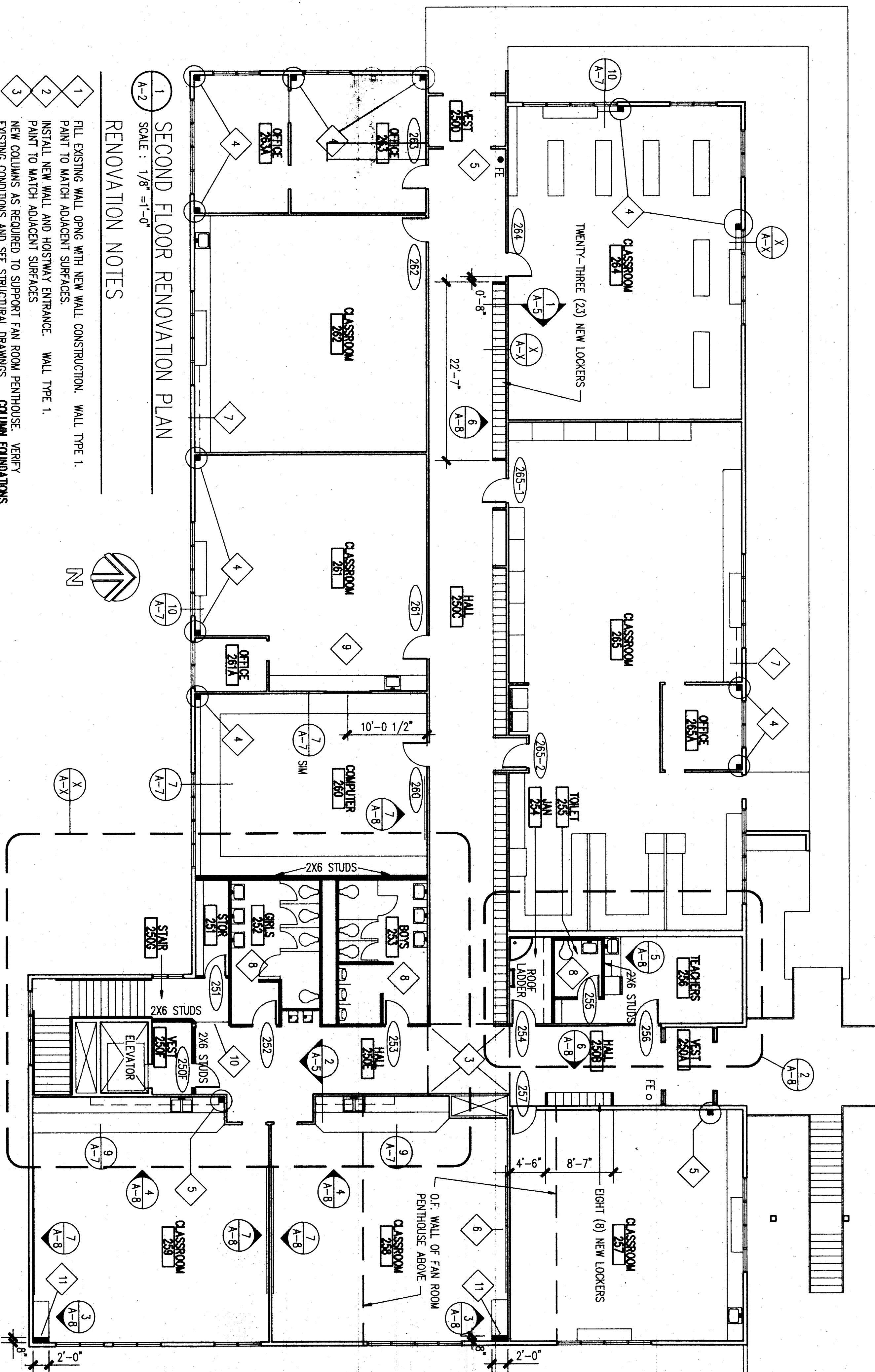
SEE CT AND BACKERBOARD DETAILS  
 & CT W/STCT

SEE CT AND BACKERBOARD DETAILS  
 & CT W/STCT

SEE CT AND BACKERBOARD DETAILS  
 & CT W/STCT

SOUND CONTROL BATTIS SEE  
 SPEC SECTION 0720-200 D

SOUND CONTROL BATTIS SEE  
 SPEC SECTION 0720-200 D



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

RENOVATION NOTES

- 1 FILL EXISTING WALL OPEN WITH NEW WALL CONSTRUCTION. WALL TYPE 1.
- 2 PAINT TO MATCH ADJACENT SURFACES.
- 3 PAINT TO MATCH ADJACENT SURFACES. WALL TYPE 1.
- 4 NEW COLUMNS AS REQUIRED TO SUPPORT FAN ROOM PENTHOUSE. VERIFY EXISTING CONDITIONS AND SEE STRUCTURAL DRAWINGS. COLUMN FOUNDATIONS SHALL BE THE TOP OF SECOND FLOOR SLAB ABOVE THE WEST WALL OF MECH RM.
- 5 NEW HEAT PIPE CHASE TYPE A. SEE DET 8/A-9 AND MECH DWGS.
- 6 NEW HEAT PIPE CHASE TYPE B. SEE DET 10/A-9 AND MECH DWGS.
- 7 RELOCATE EXIST CHALKBOARD FROM COMPUTER 280.
- 8 INSTALL NEW HEAT PIPING UNDER EXIST BASE CABINETS IN BASE FURNING.
- 9 FOR TYP BATHROOM ELEVATIONS SEE DET 8/A-8.
- 10 FOR ELEVATION OF RELITE SEE SHEET A-10.
- 11 LINE OF NEW TO EXIST CARPET UNDER ALTERNATE NO. 1.
- 12 FURRED WALL TO TERMINATE HANG HEATERS. EXTEND FURRED WALL TO CLG.

GENERAL NOTES

1. EXISTING CONDITIONS ARE BASED ON MARCH 1975 AS-BUILT DRAWINGS PREPARED BY GRAHAM ASSOCIATES. CONTRACTOR SHALL VERIFY ALL EXIST CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
2. NEW WALLS ARE DIMENSIONED TO FACE OF STUD UNLESS OTHERWISE NOTED.
3. EXISTING WALLS ARE DIMENSIONED TO FACE OF FINISH UNLESS OTHERWISE NOTED.
4. ALL OPENINGS IN WALLS OR GLS RESULTING FROM REMOVAL OR DEMOLITION OF RATED ASSEMBLIES SHALL BE FILED, PATCHED AND PAINTED TO MATCH ADJACENT SURFACES.

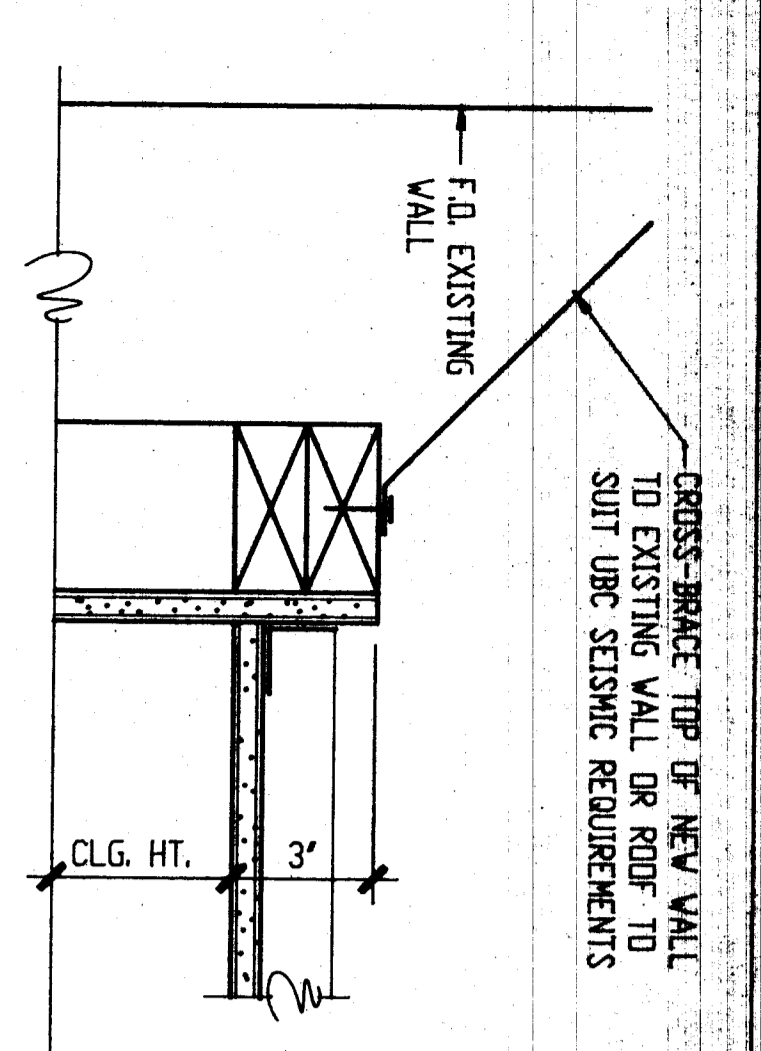
LEGEND

- EXISTING WALLS TO REMAIN
- NEW WALLS
- EXISTING FIRE EXTINGUISHER
- NEW FIRE EXTINGUISHER
- DETAIL KEY
- ELEVATION KEY

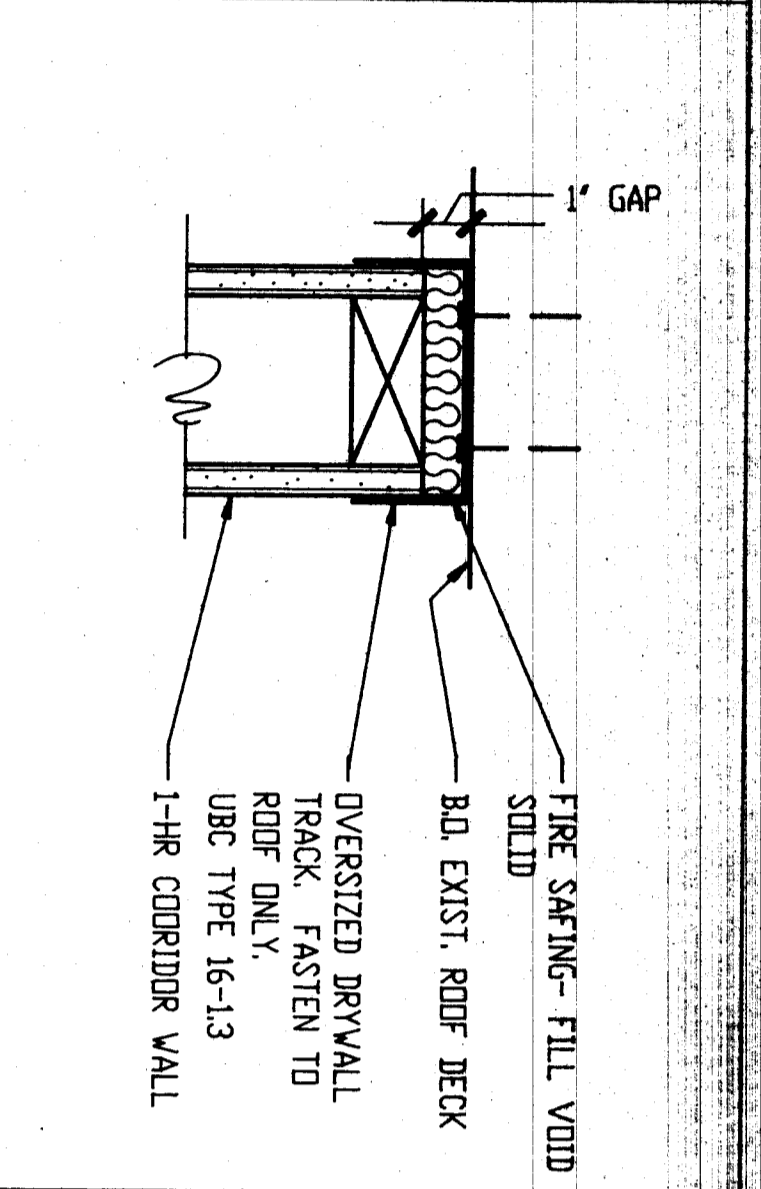
1 FIRST FLOOR RENOVATION PLAN  
 SCALE: 1/8"=1'-0"

WRANGELL MIDDLE SCHOOL REMODEL  
 WRANGELL, ALASKA

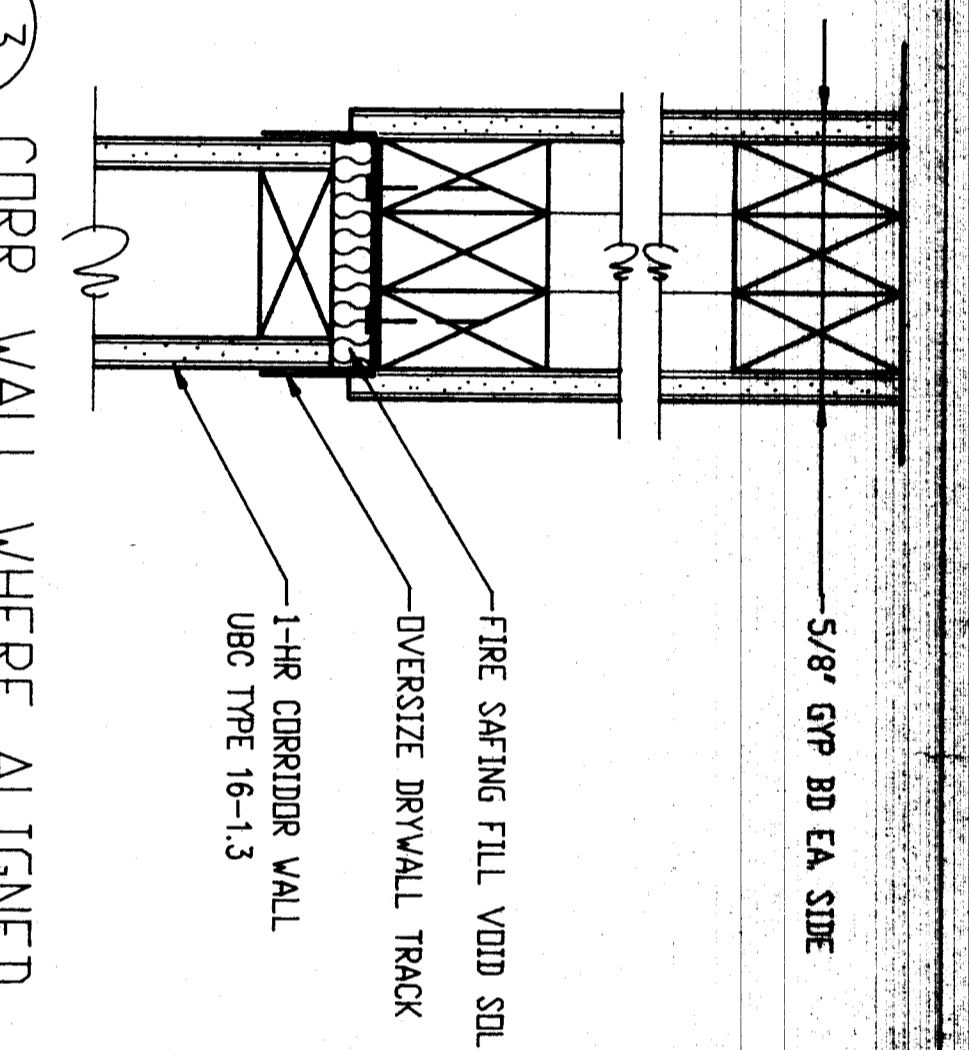
DATE: 11/15/07  
 DRAWN: J. B. BROWN  
 CHECKED: J. B. BROWN  
 PROJECT NO.: 07-001



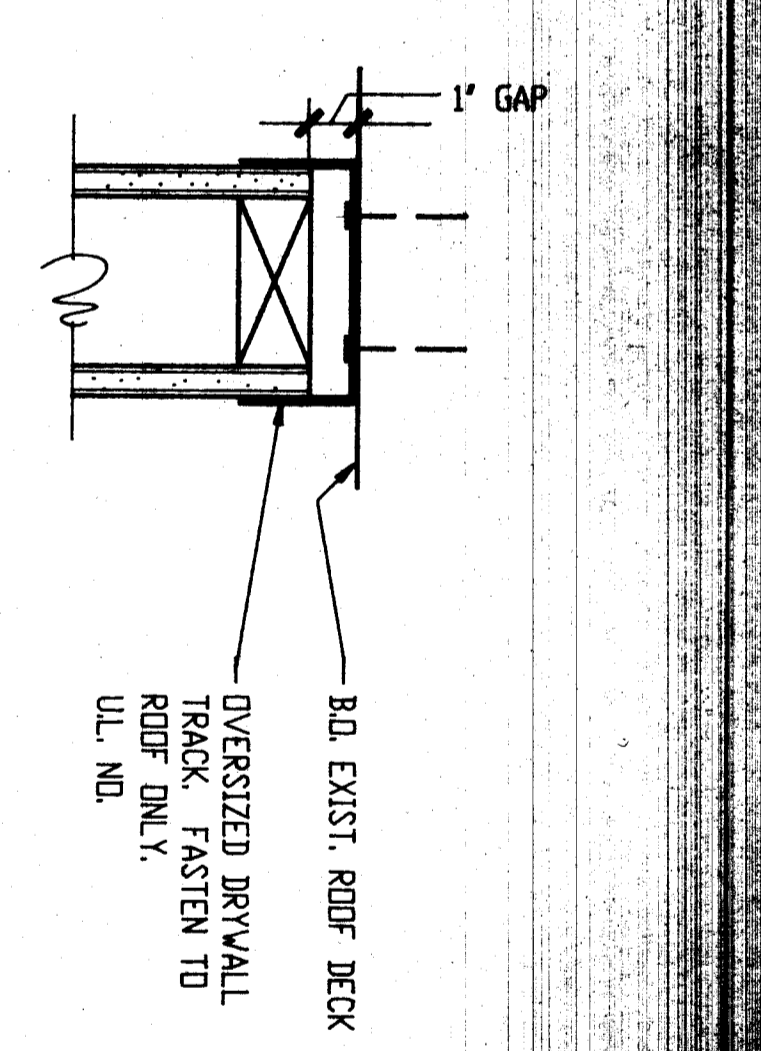
1 SEISMIC BRACING  
3'-1'-0" X 04



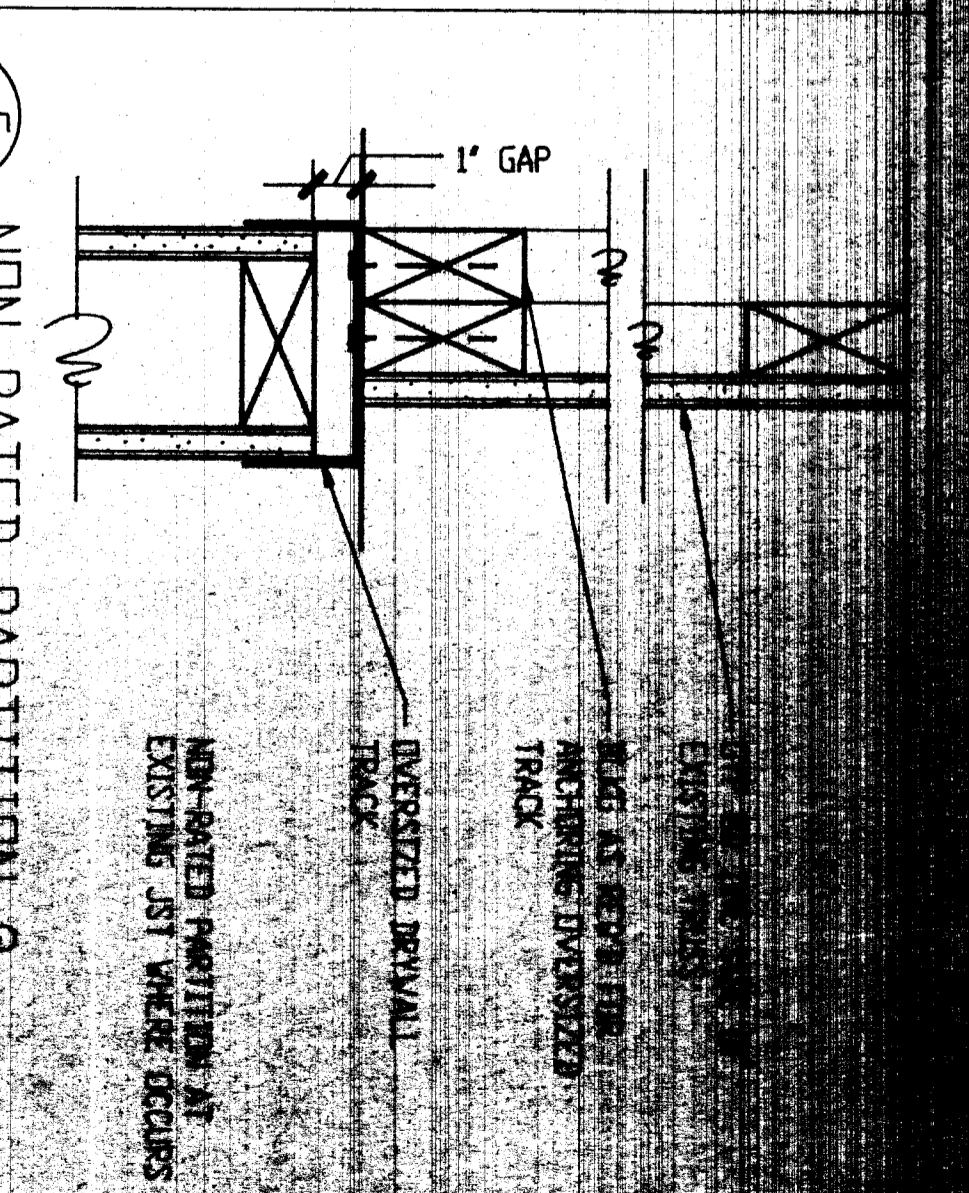
2 RATED PARTITION @ ROOF DECK  
3'-1'-0" X 04



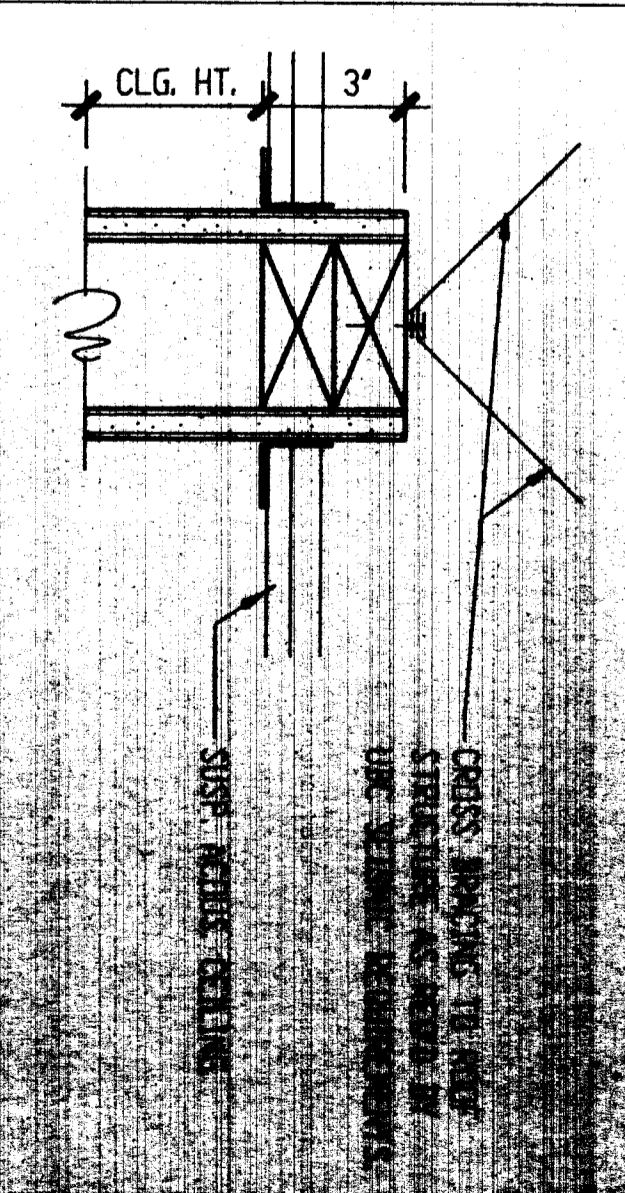
3 CORR. WALL WHERE ALIGNED W/ ROOF TRUSSES  
3'-1'-0" X 04



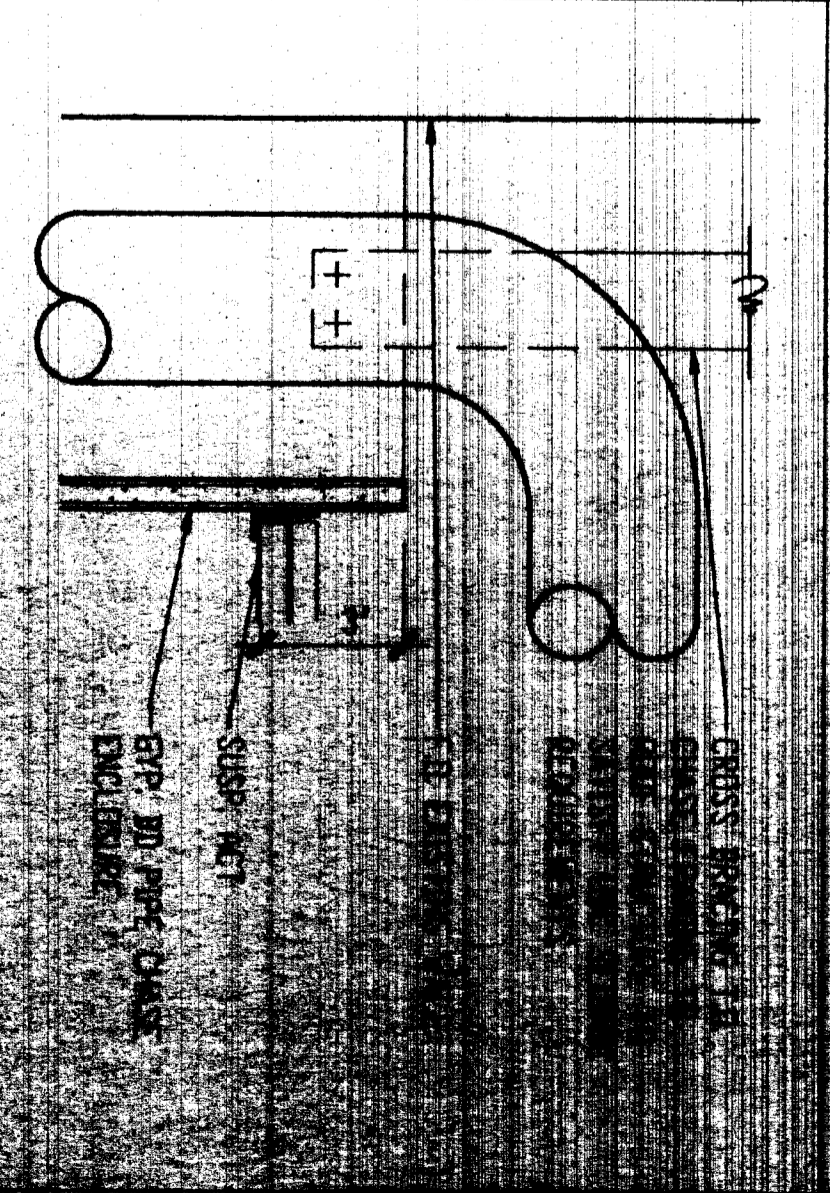
4 NON-RATED PARTITION @ ROOF DECK  
3'-1'-0" X 04



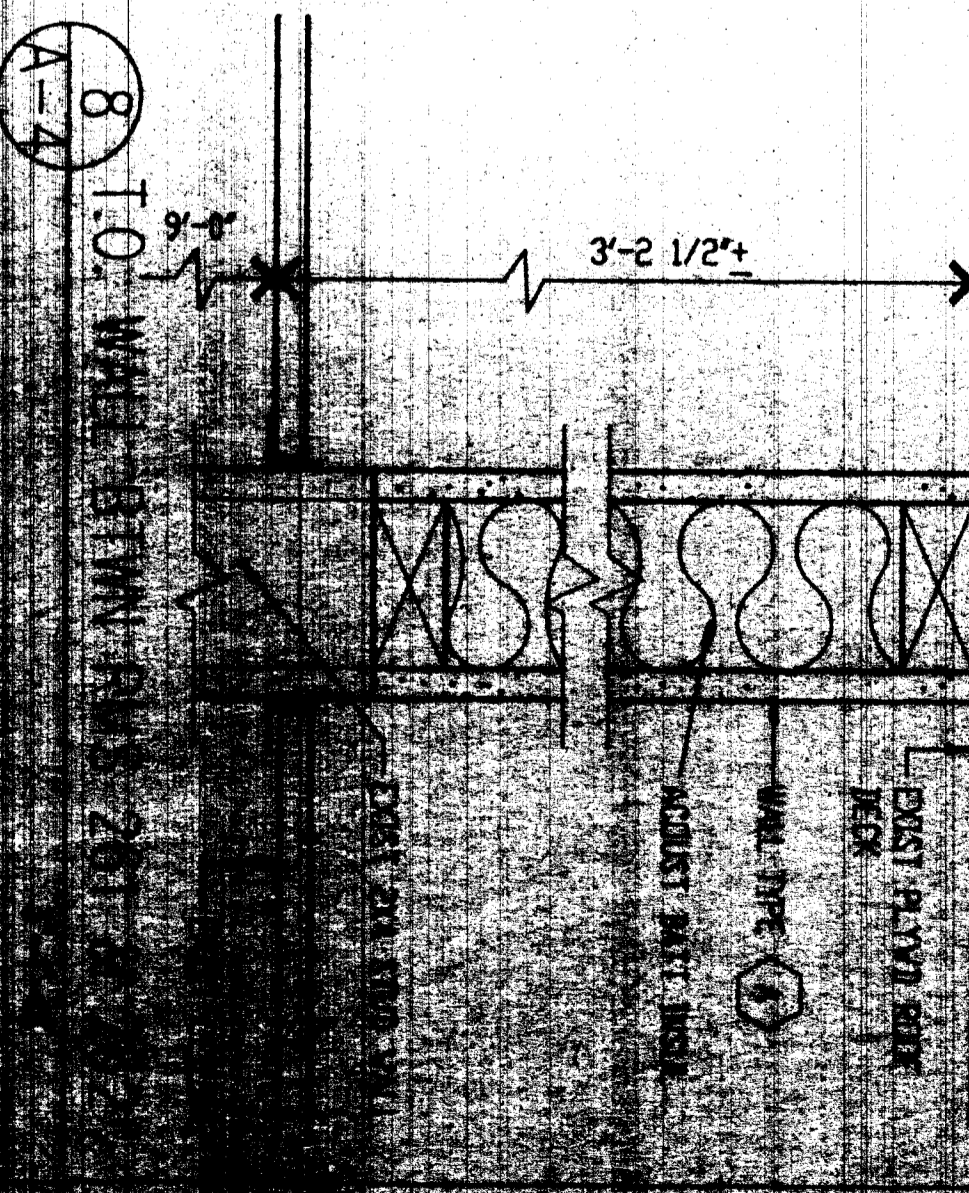
5 NON-RATED PARTITION @ EXISTING JST.  
3'-1'-0" X 04



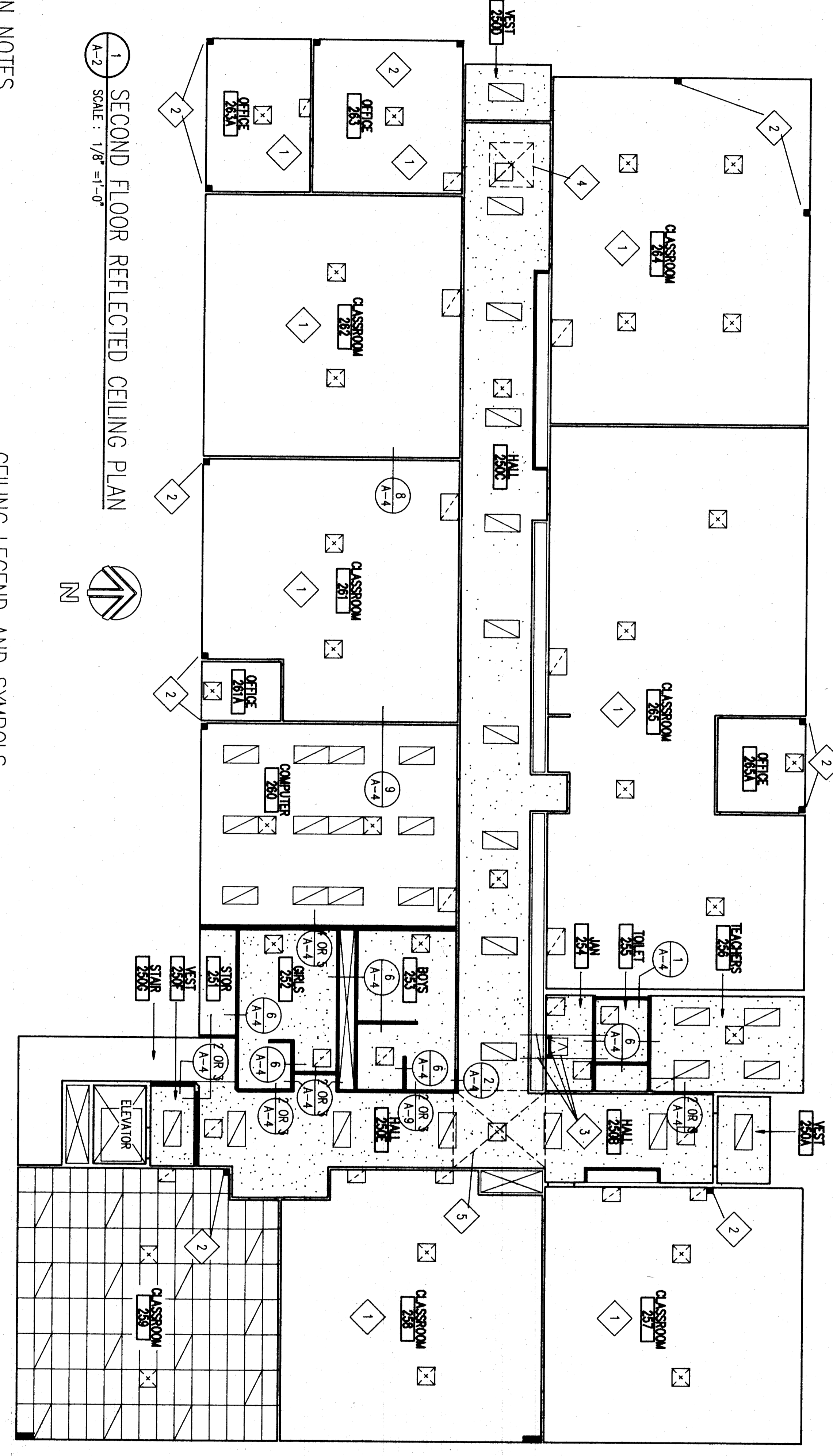
6 SEISMIC BRACING  
3'-0\"/>



7 SEISMIC BRACING  
3'-2 1/2\"/>



8 WALL DETAIL  
3'-1'-0" X 04



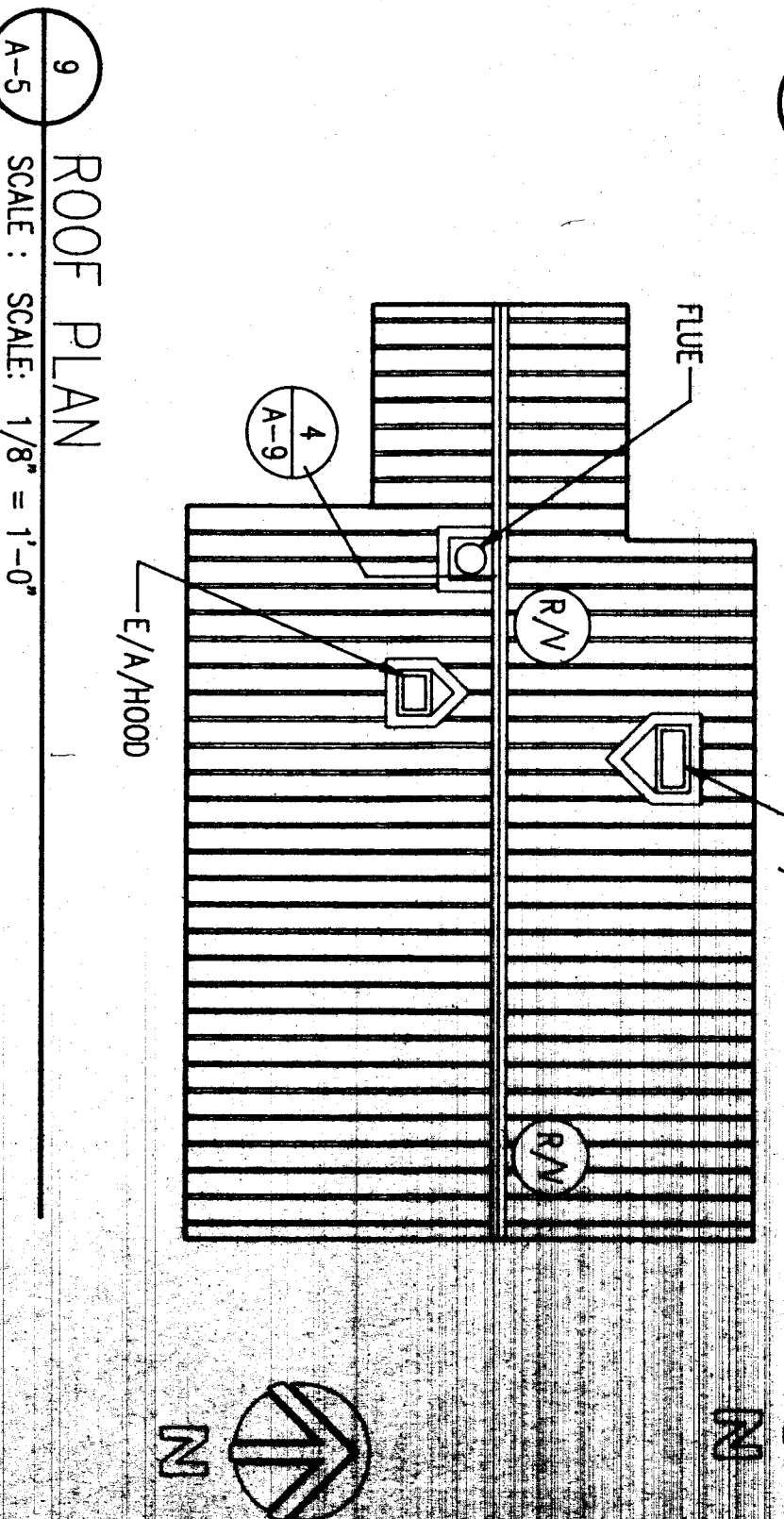
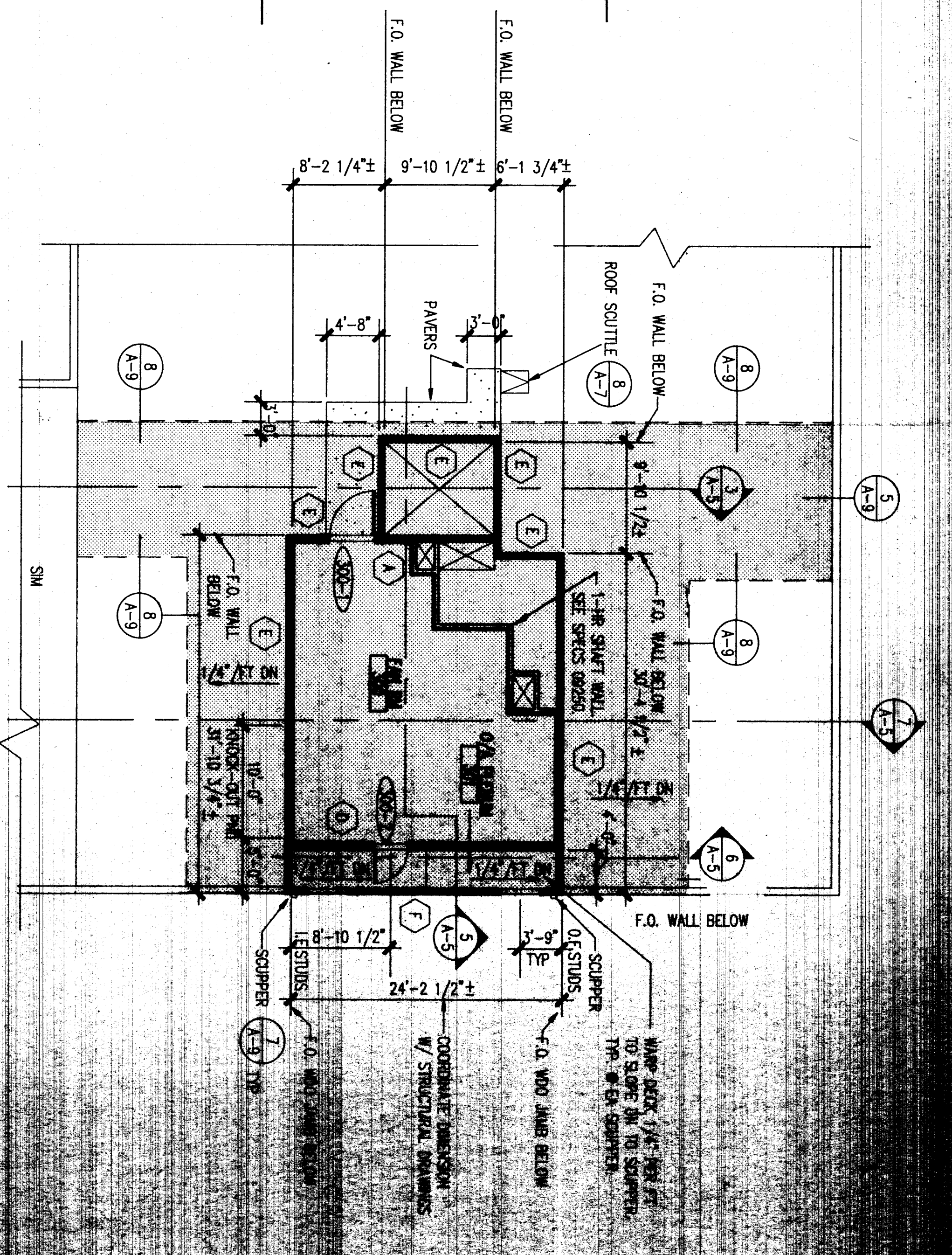
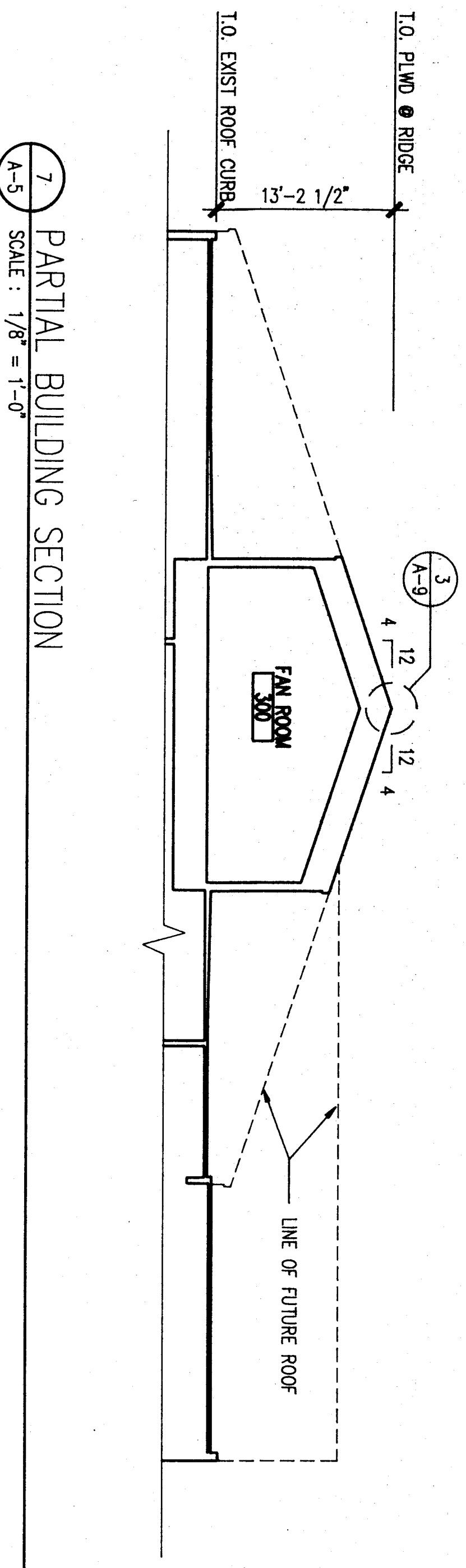
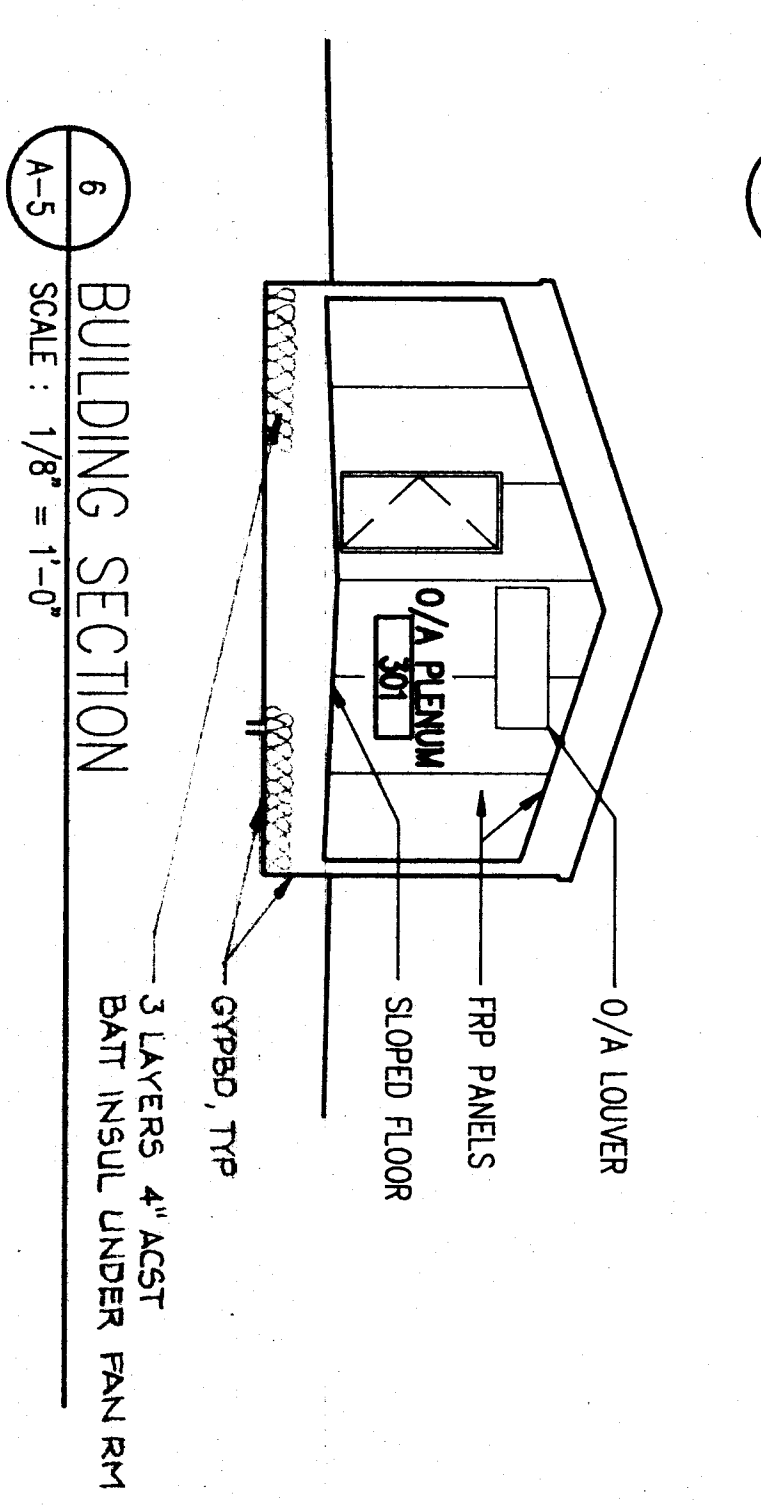
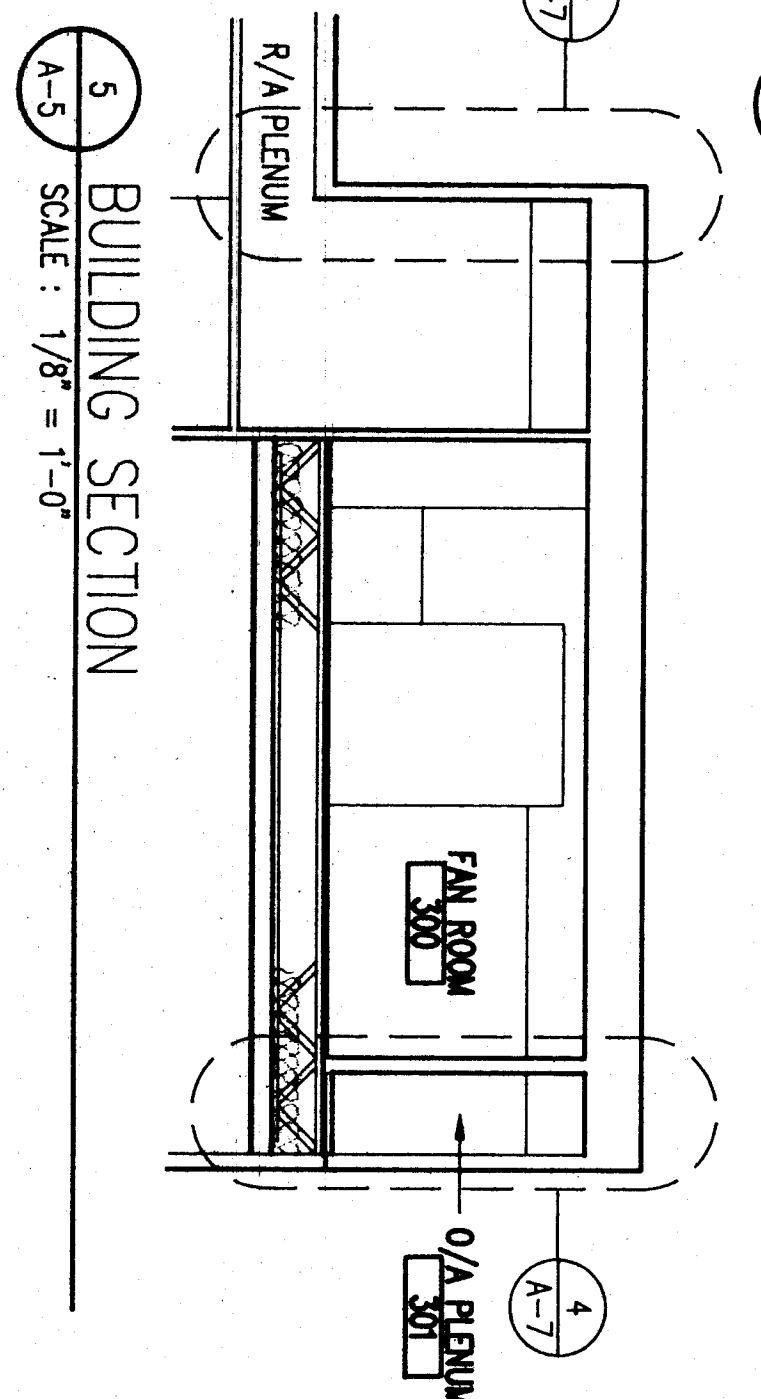
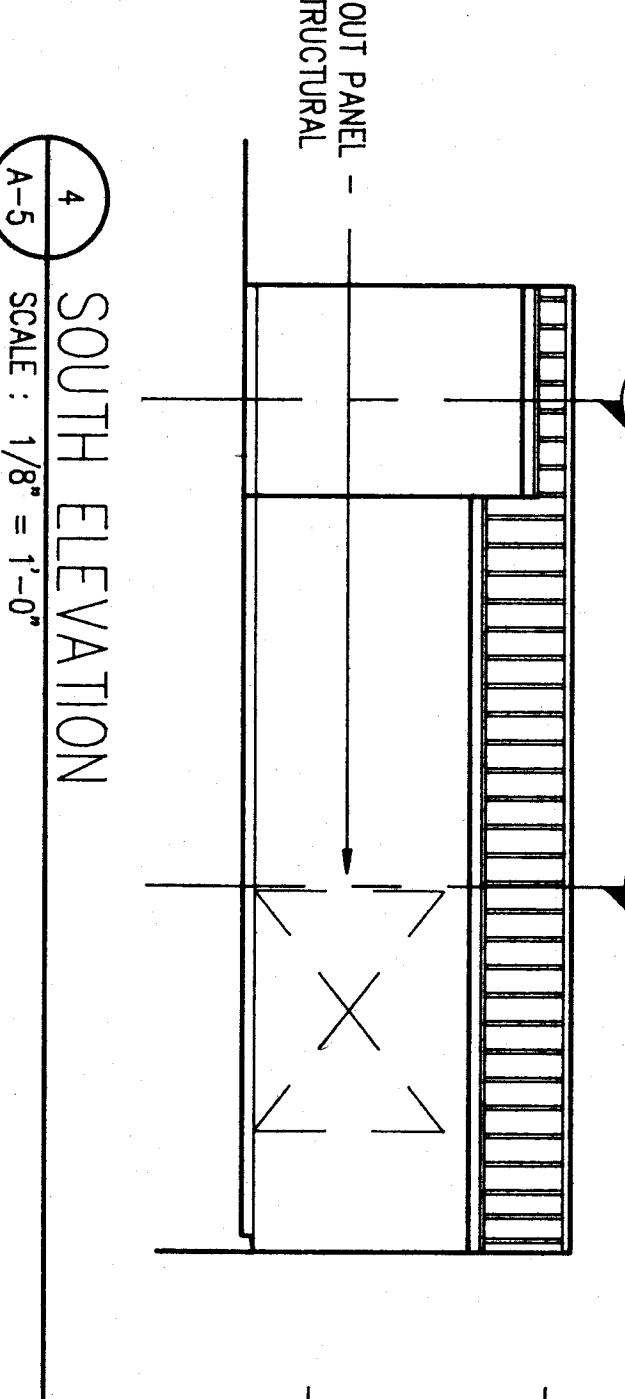
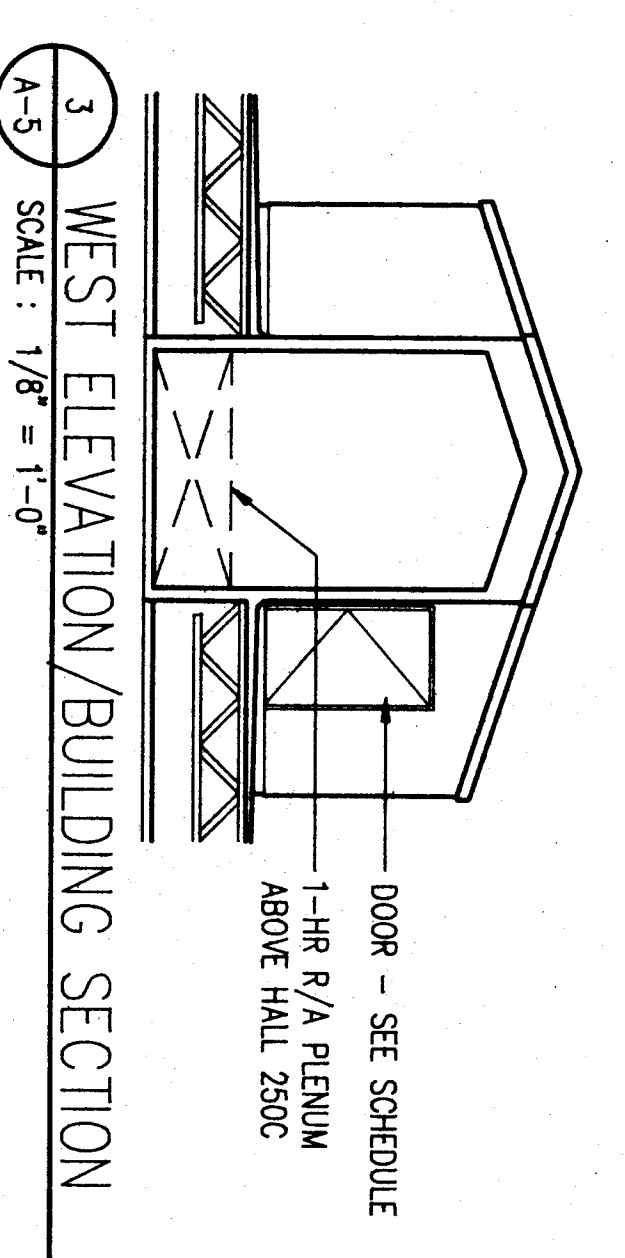
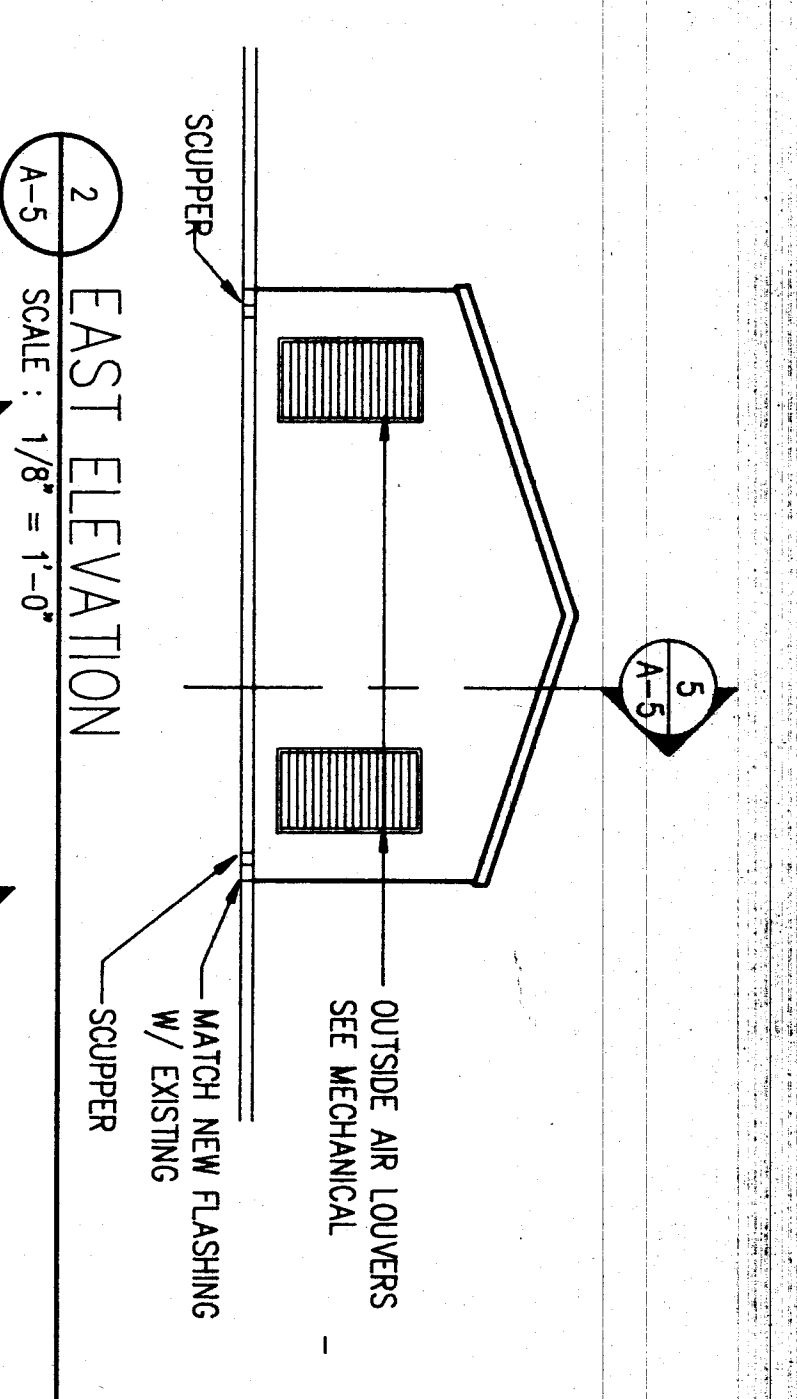
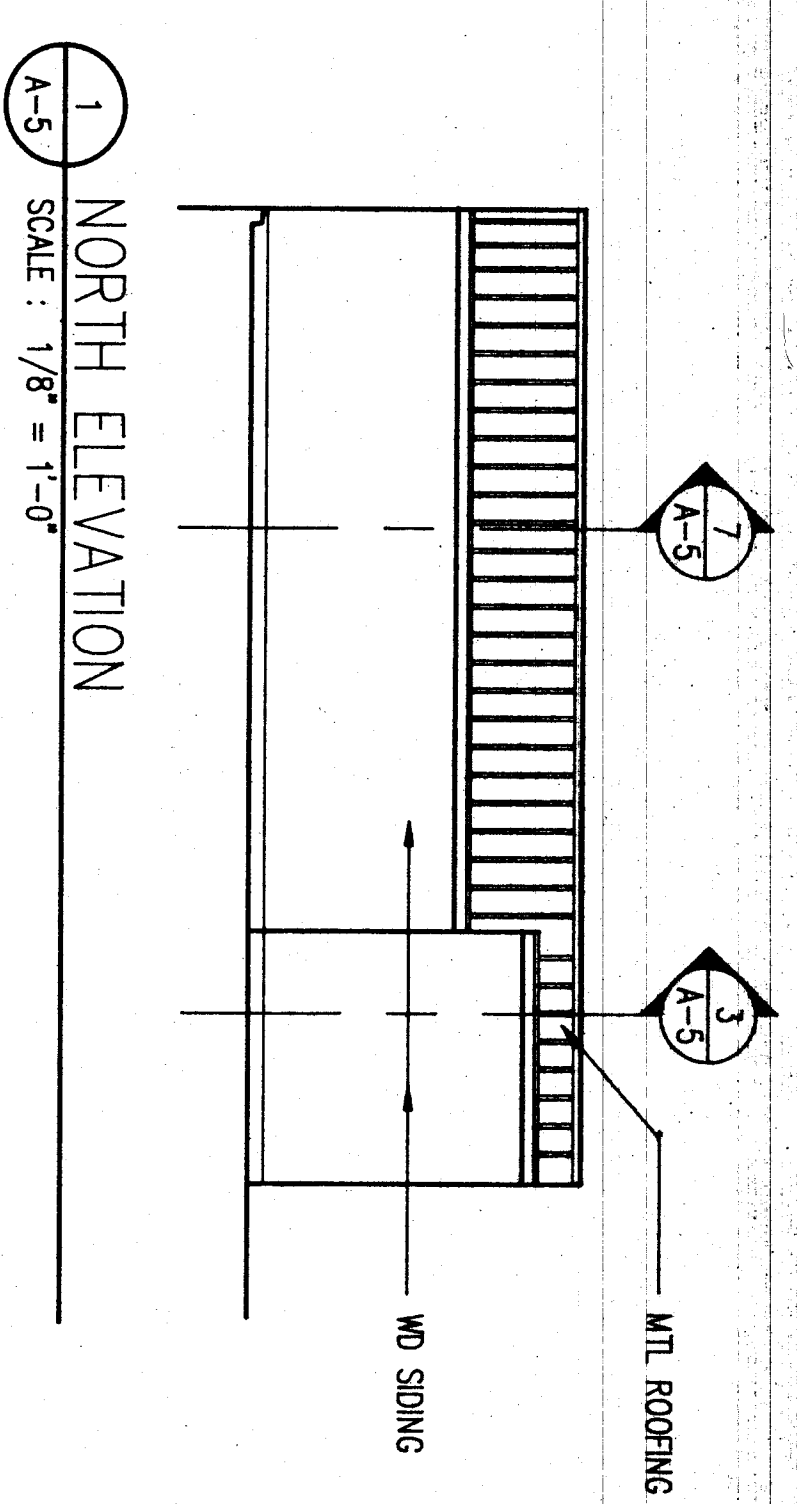
1 SECOND FLOOR REFLECTED CEILING PLAN  
SCALE: 1/8" = 1'-0"

- DEMOLITION NOTES**
- REMOVE EXISTING CEILING SYSTEMS AND ACOUSTIC TILES AS REQUIRED TO INSTALL NEW HVAC SYSTEM. REINSTALL EXISTING CEILING SYSTEMS AND ACOUSTIC TILES AFTER HVAC INSTALLATION IS COMPLETE. REPLACE DAMAGED CEILING SYSTEMS AND ACOUSTIC TILES TO MATCH EXISTING.
  - CUT OPENINGS IN EXIST CLASS AS REQD TO INSTALL NEW PIPE CHASSES AS DETAILED. SEE DET. 7/A-4.
  - LOCATE LADDER AND ROOF SCOTTE BRIM EXIST ROOF JOISTS. POSITION SHOWN.
  - SEE NOTE ON SHEET 14-6 FOR REQUIREMENTS TO REMOVE EXISTING ROOF JOISTS TO FRAME OPENING FOR NEW REEF AIR VENT UP TO ROOF.
  - SEE STRUCTURAL DRAWINGS FOR REQUIREMENTS TO REMOVE EXISTING ROOF JOISTS TO FRAME OPENING FOR NEW HVAC DUCTWORK UP TO FAN ROOM PENITHOUSE.

- CEILING LEGEND AND SYMBOLS**
- NEW SUSPENDED ACOUSTICAL CEILING
  - NEW GYPBD CEILING
  - EXISTING CEILING
  - VENTILATION DIFFUSERS
  - LIGHT FIXTURE (NOTE: OTHER LIGHT FIXTURES NOT SHOWN FOR CLARITY. SEE ELECTRICAL LIGHTING PLAN)

**BRANNEN ENGINEERING SCHOOL REMODEL**  
BRANNEN, ALASKA

BRANNEN ENGINEERING  
ARCHITECTS & ENGINEERS  
1000 W. 10TH AVE. SUITE 200  
ANCHORAGE, ALASKA 99501  
PHONE: 273-1111  
FAX: 273-1112



**GENERAL NOTES**

- 1 FIELD VERIFY ALL +/- DIMENSIONS
- 2 REMOVE EXISTING ROOFING, INSULATION AND PLWD WITHIN THE SHADDED AREA IN ORDER TO INSTALL NEW ROOF TRUSSES AND PROVIDE REINFORCEMENT TO EXISTING ROOF TRUSSES AS SHOWN ON THE STRUCTURAL DRAWINGS. REFER TO STRUCTURAL DRAWINGS AND ARCHITECTURAL DETAILS FOR EXTENT OF DEMOLITION. REPLACE WITH NEW PLWD, INSULATION AND ROOFING AS SHOWN ON DRAWINGS AND AS SPECIFIED.
- 3 1-HR SHIRT WALL CONSTRUCTION IS DISCONTINUED ONLY. SEE SHEET M-4 FOR DISCONTINUED CONSTRUCTION DETAILS. THE SHIRT WALL COMPLETELY SEPARATE THESE COMPONENTS FROM THE FAN ROOM.

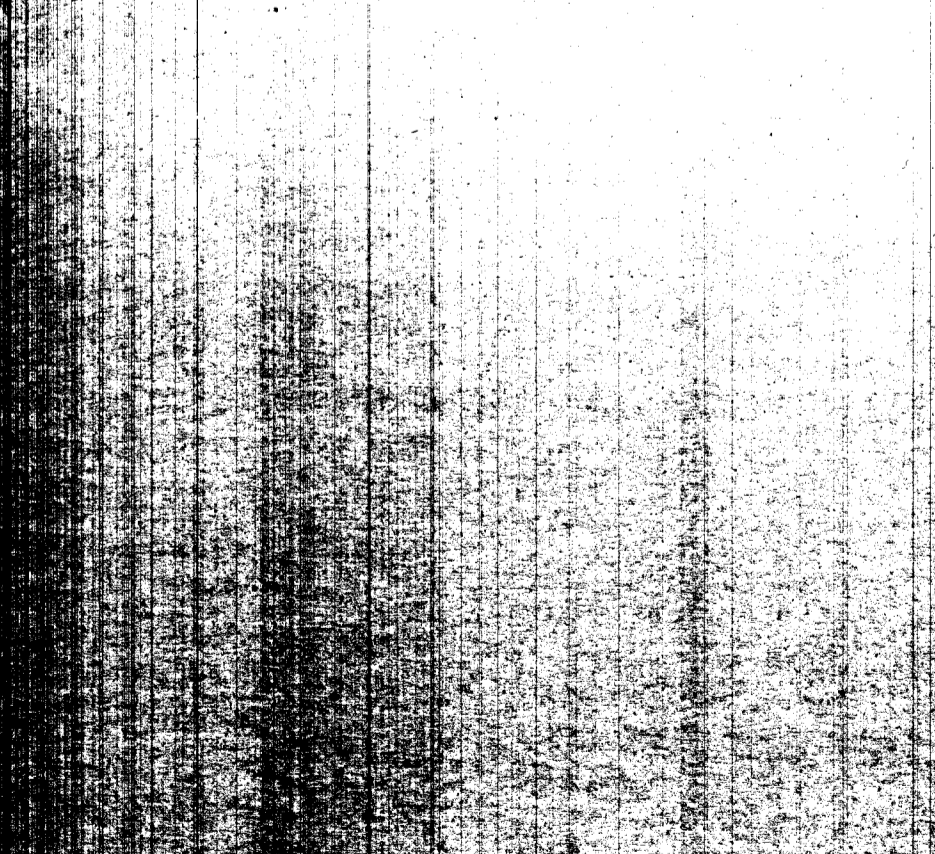
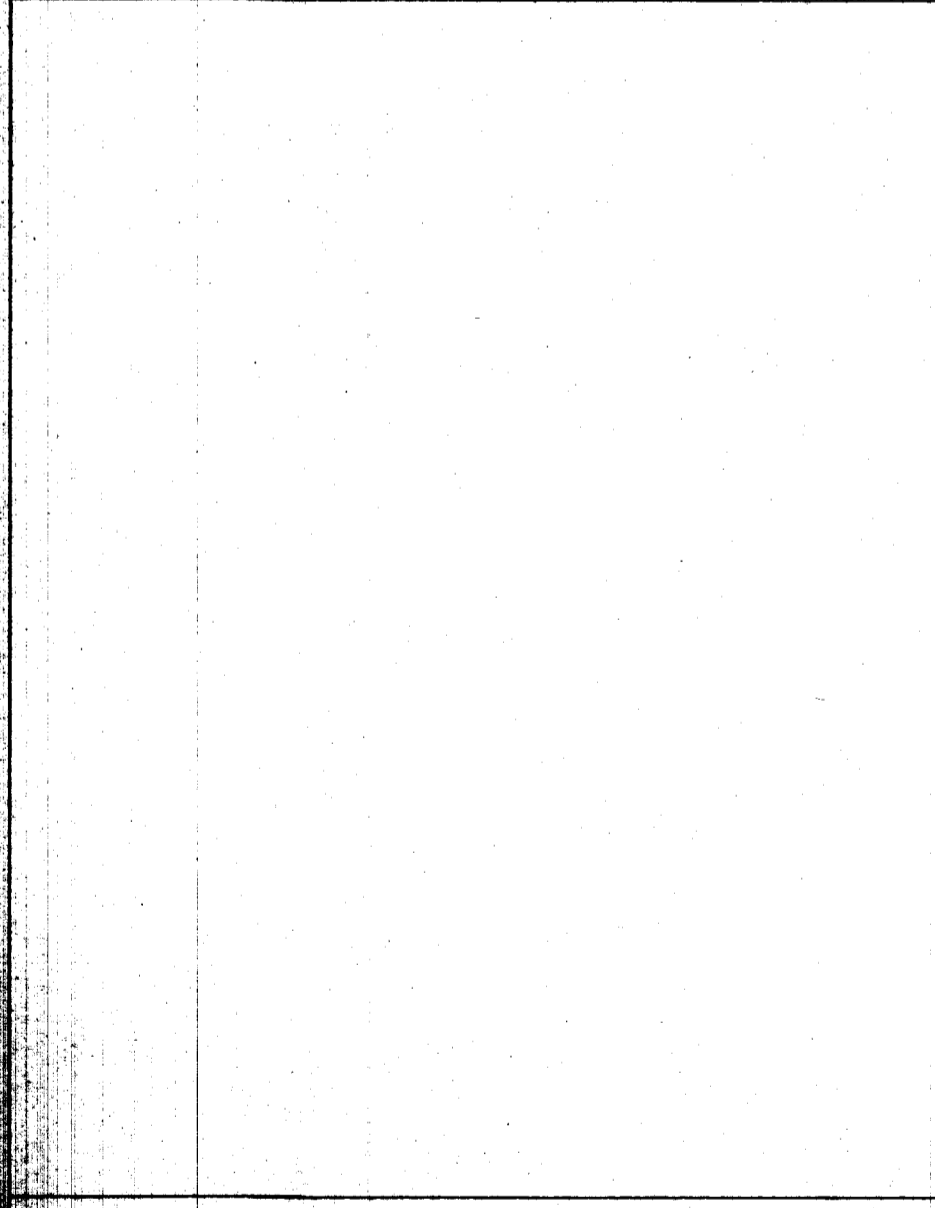
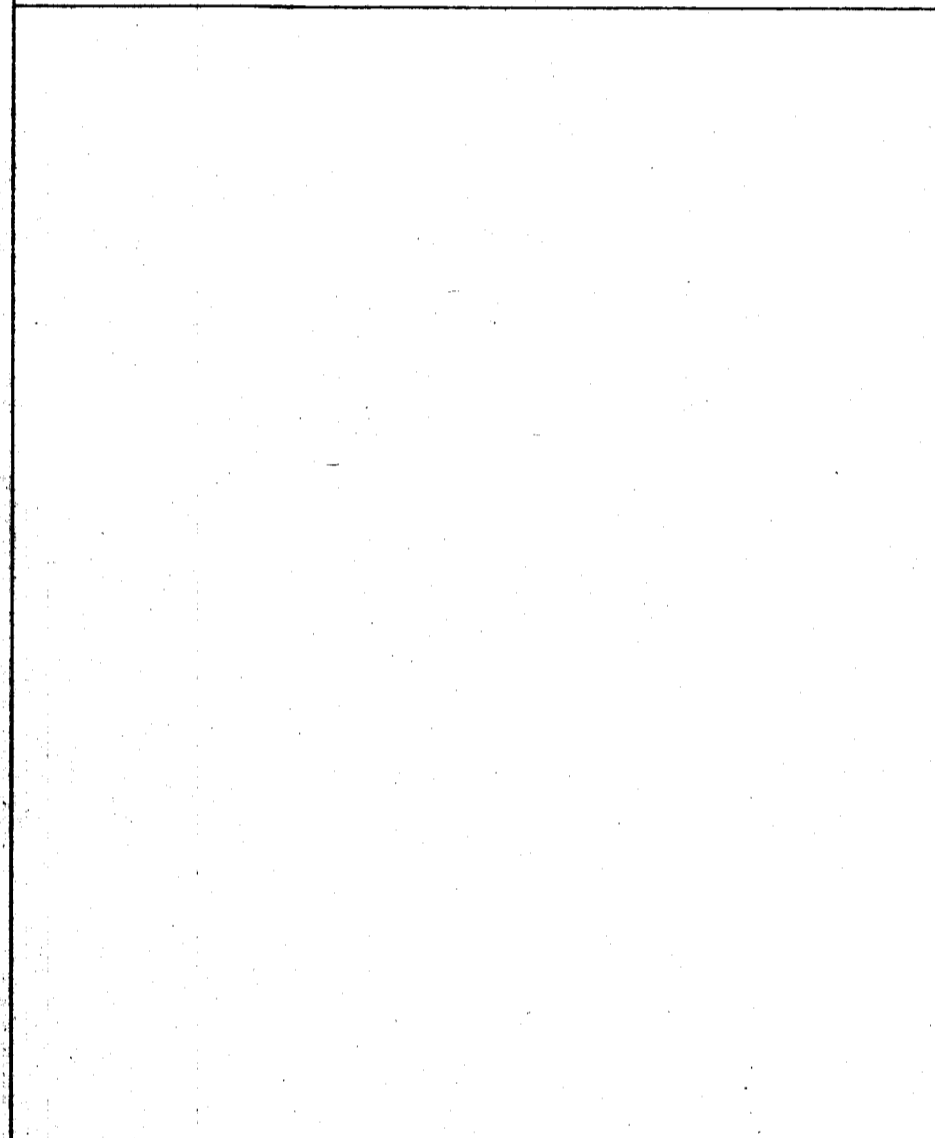
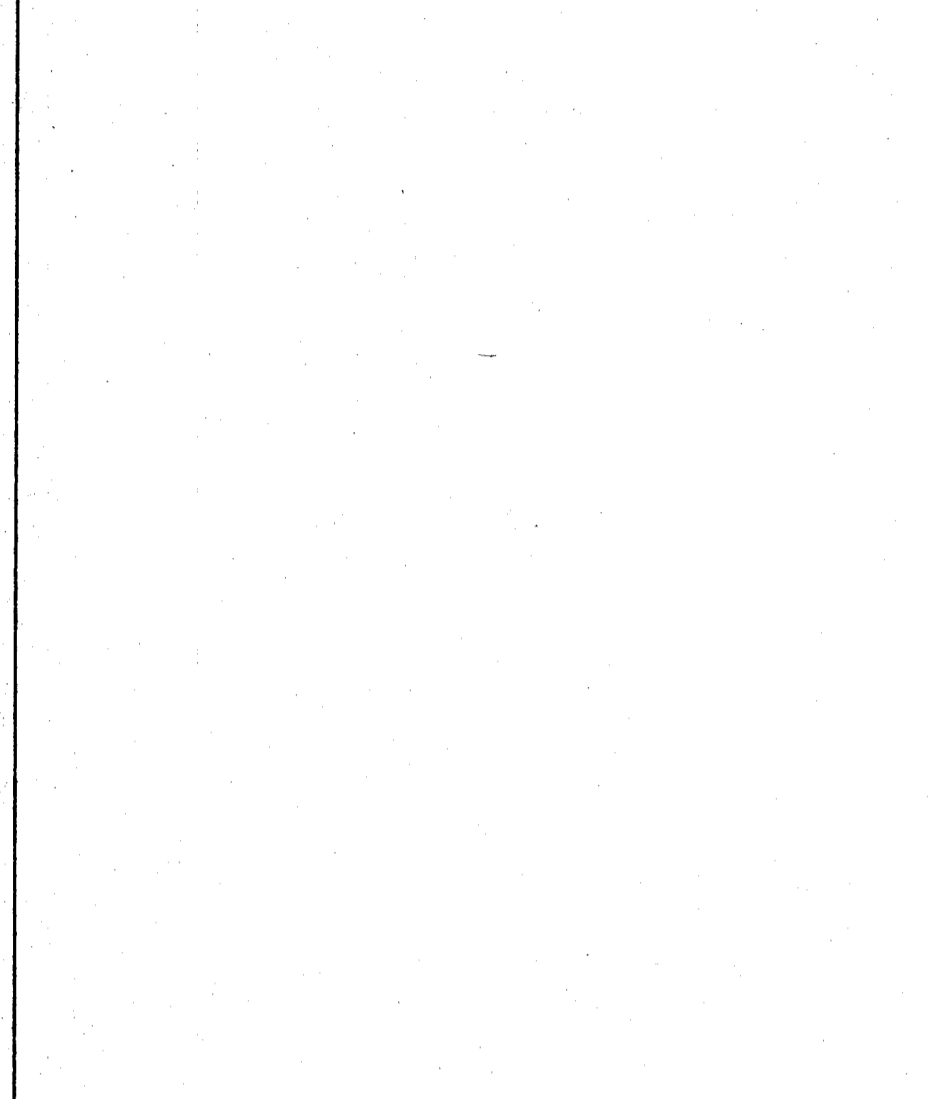
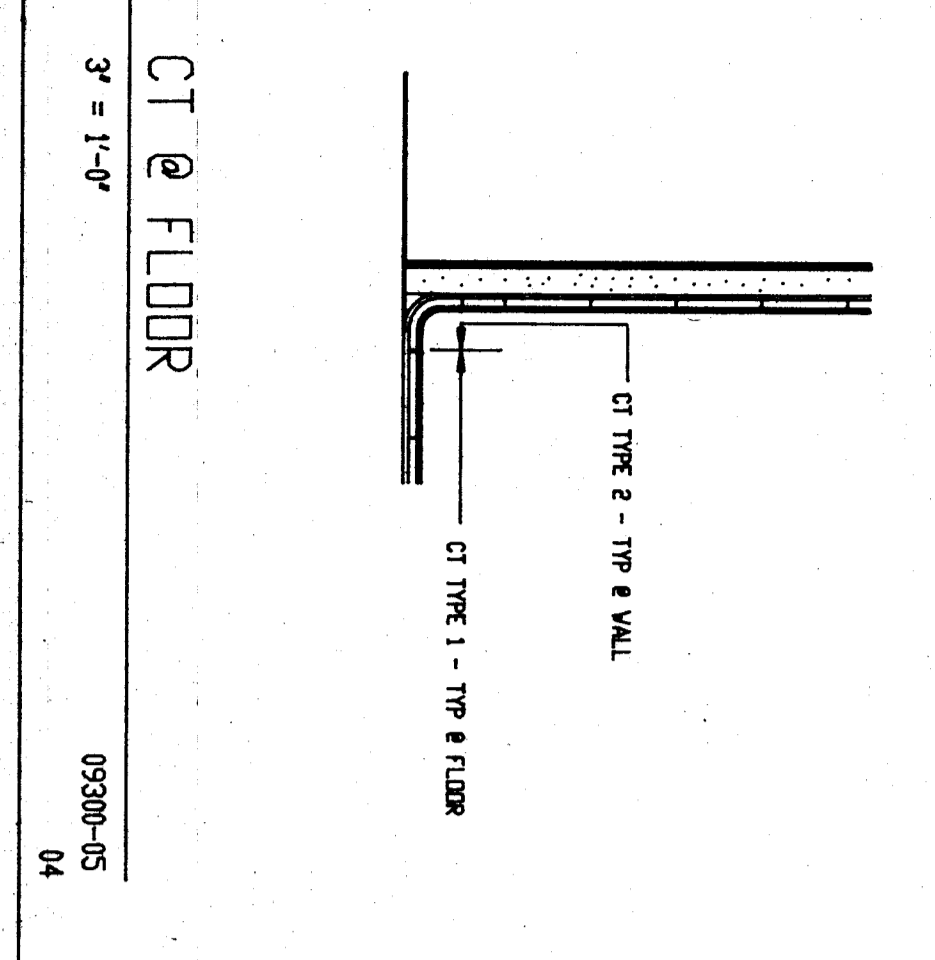
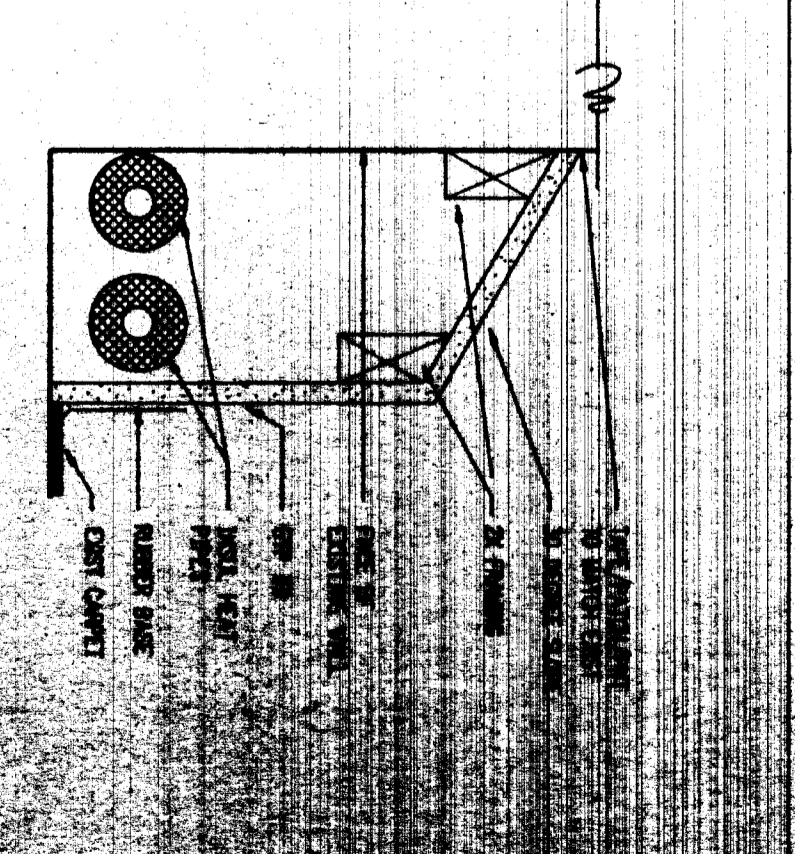
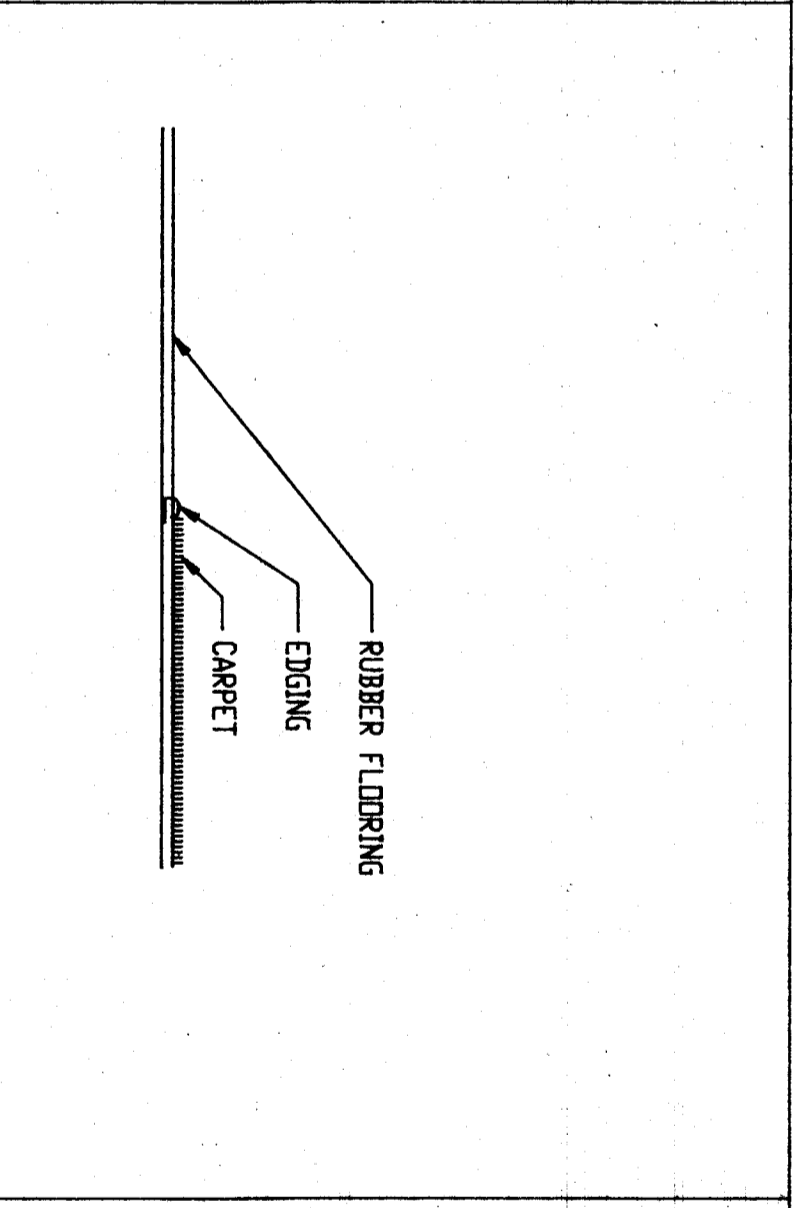
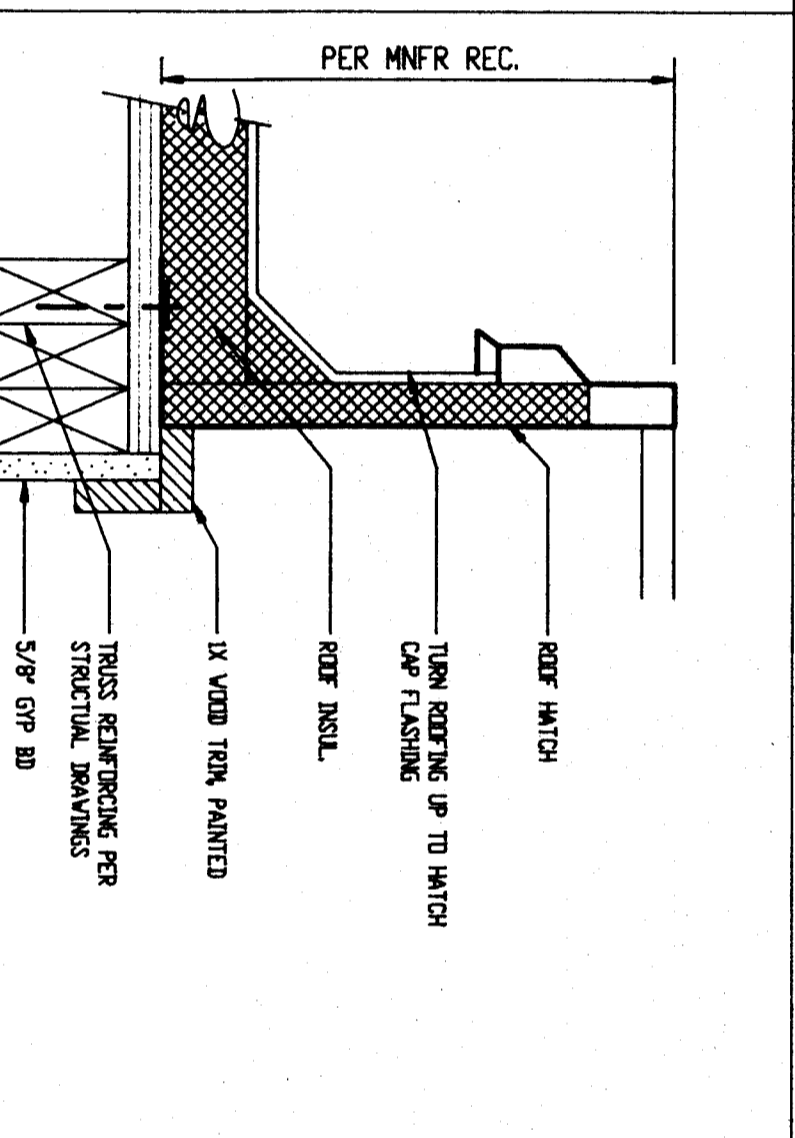
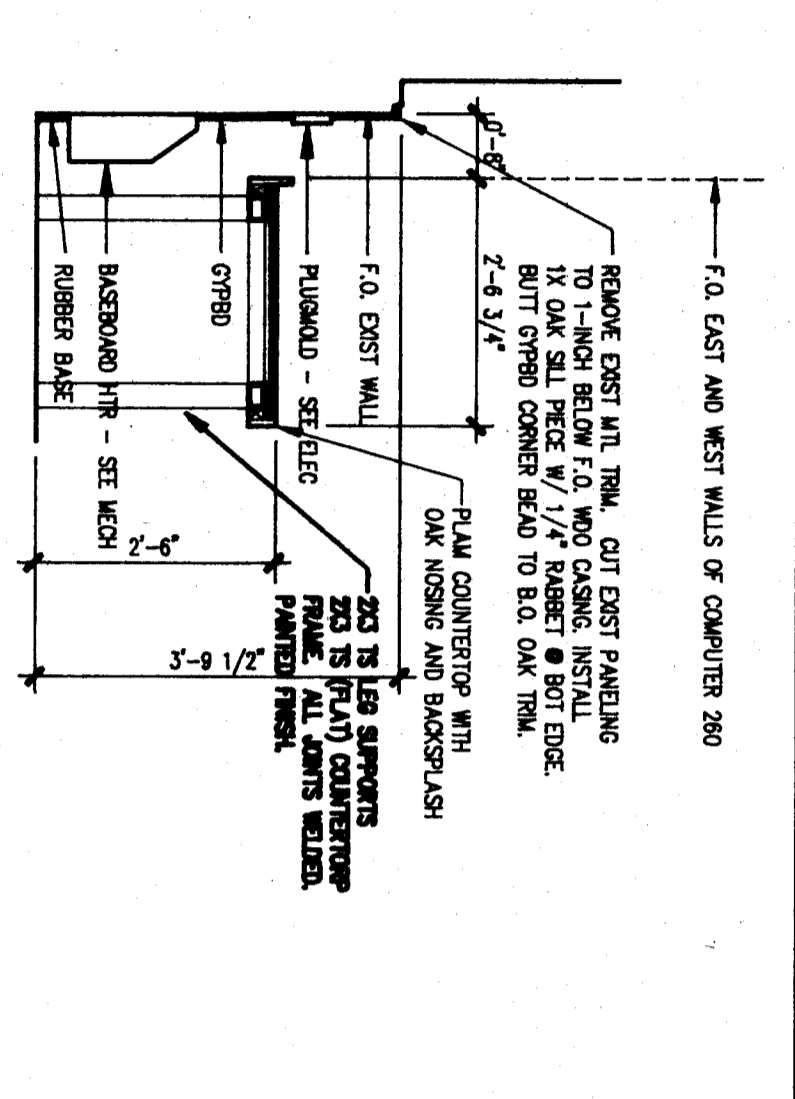
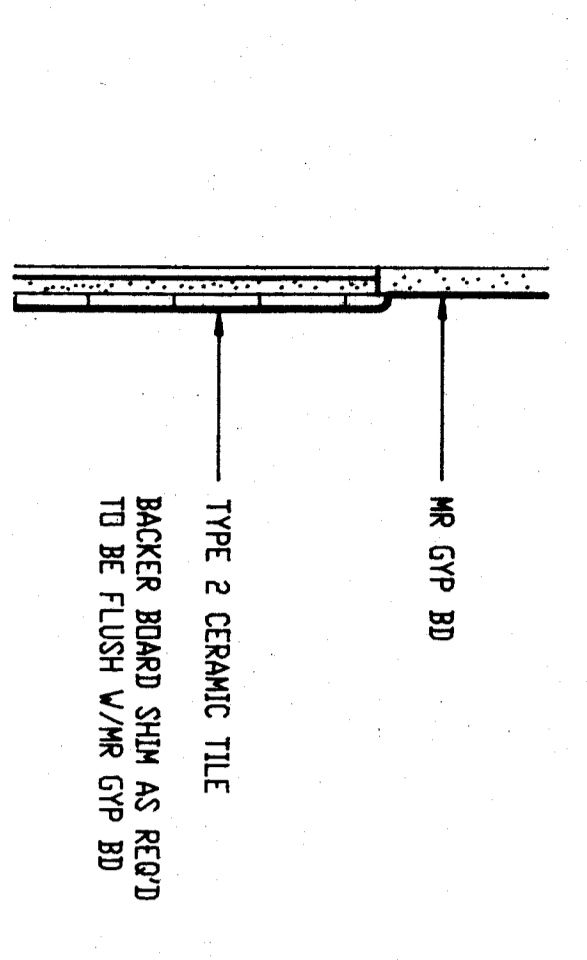
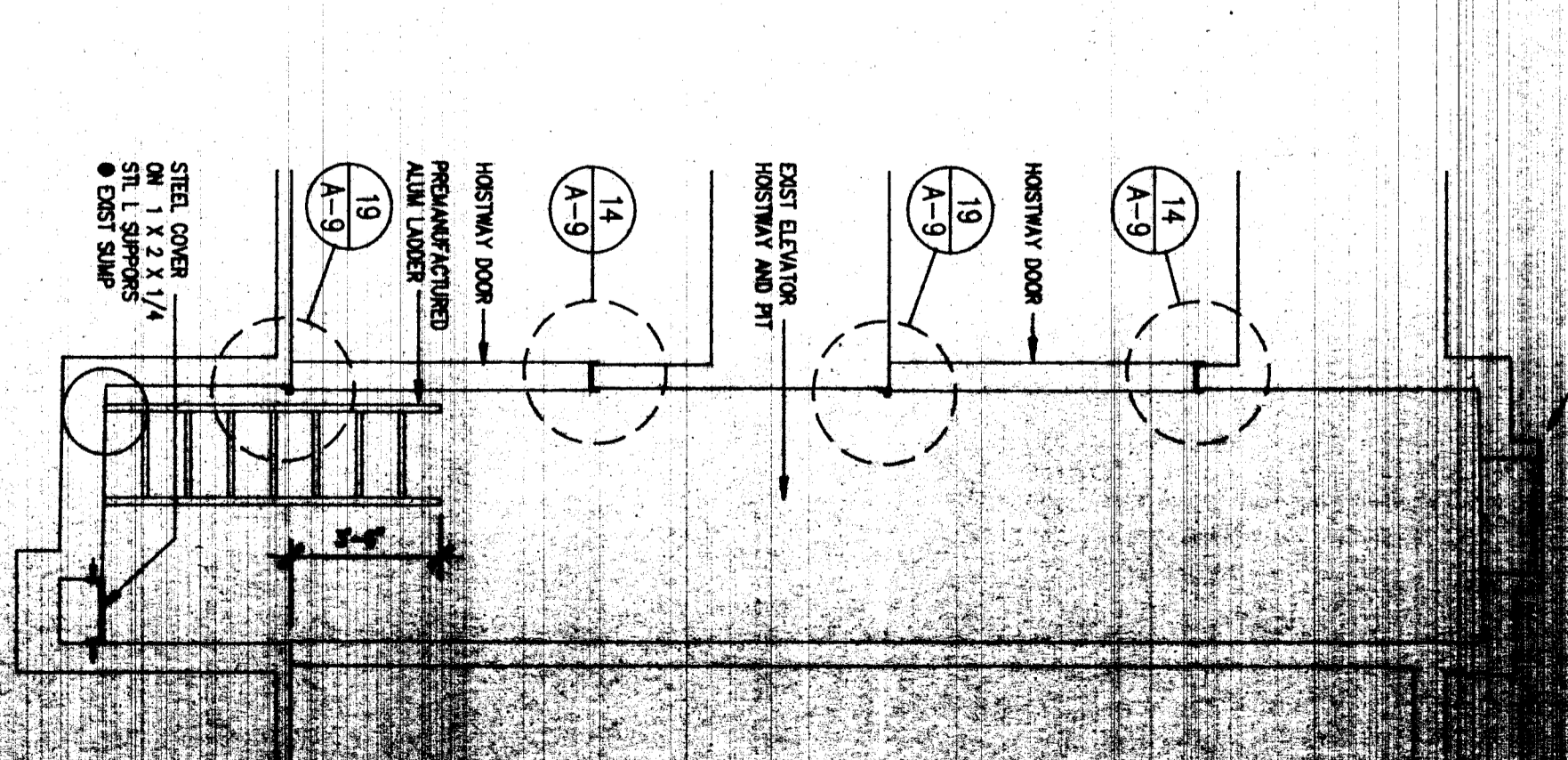
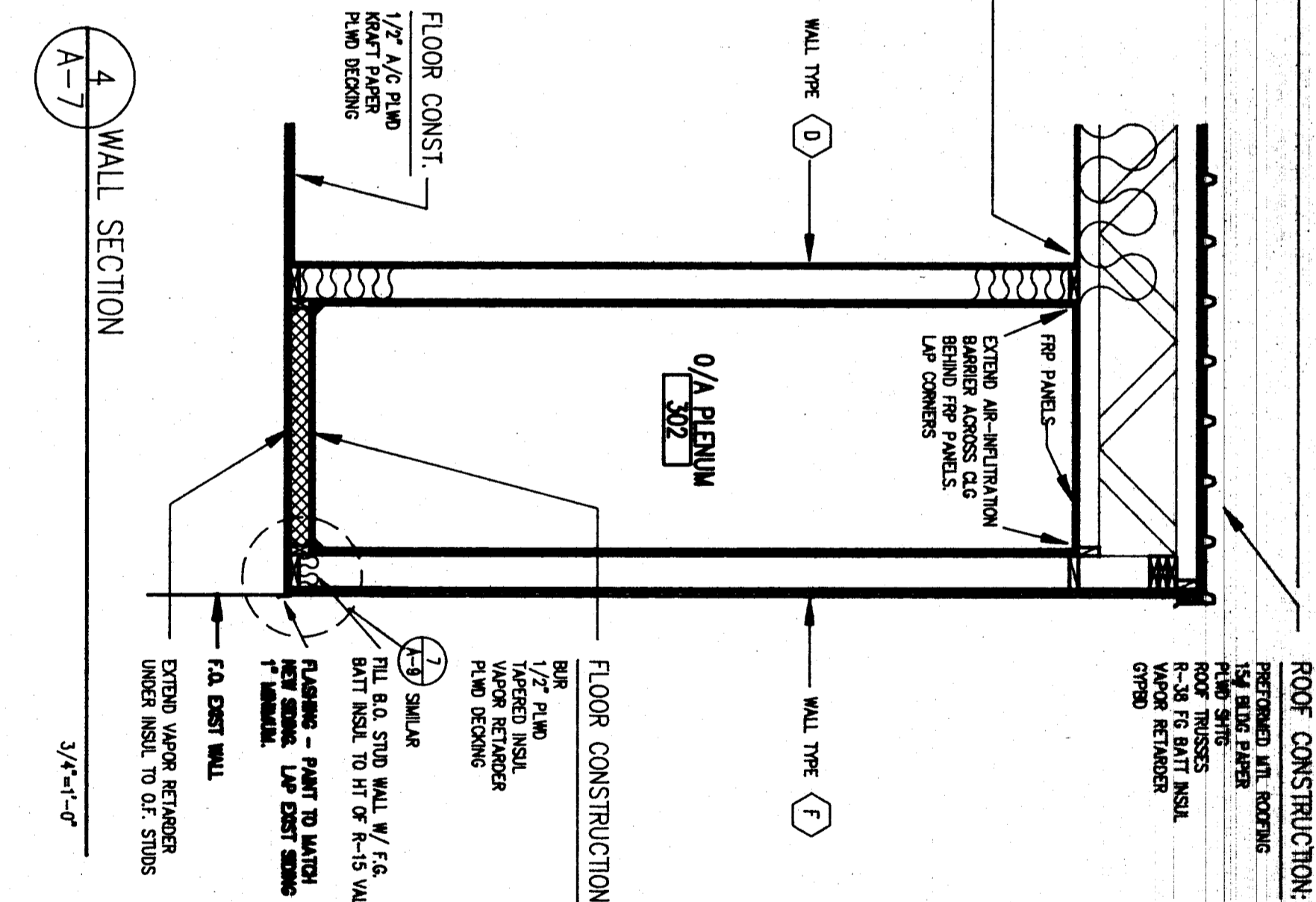
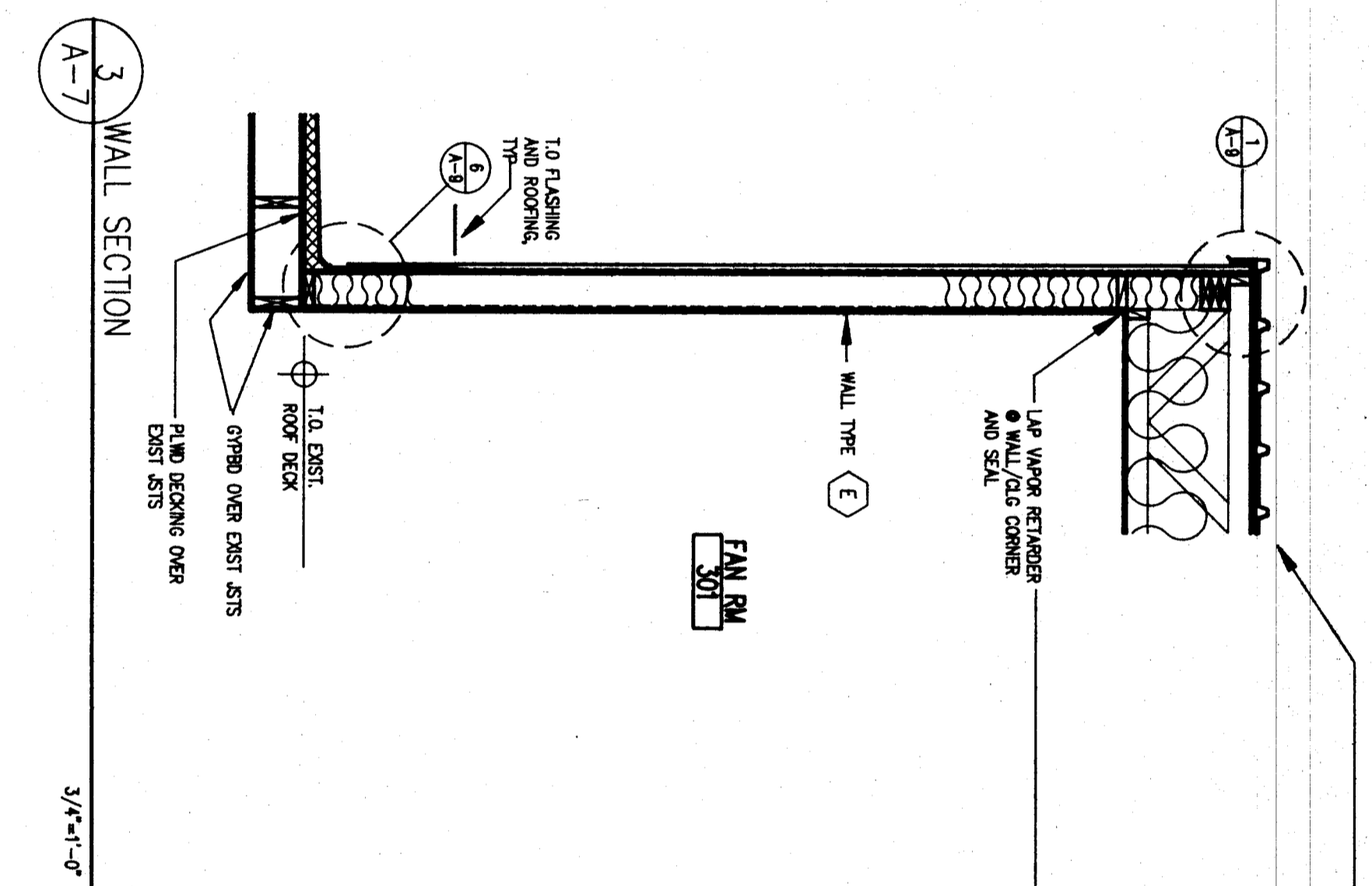
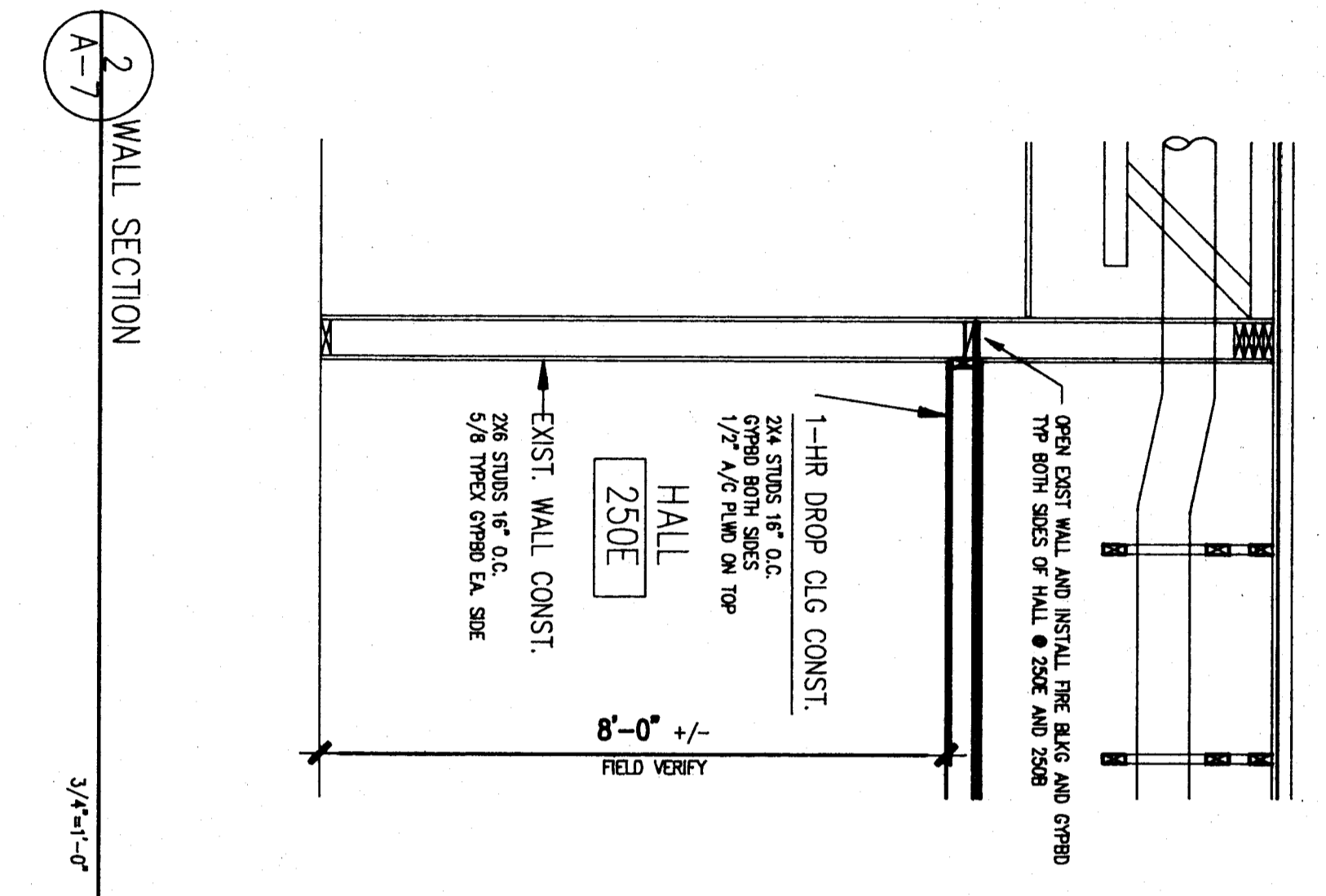
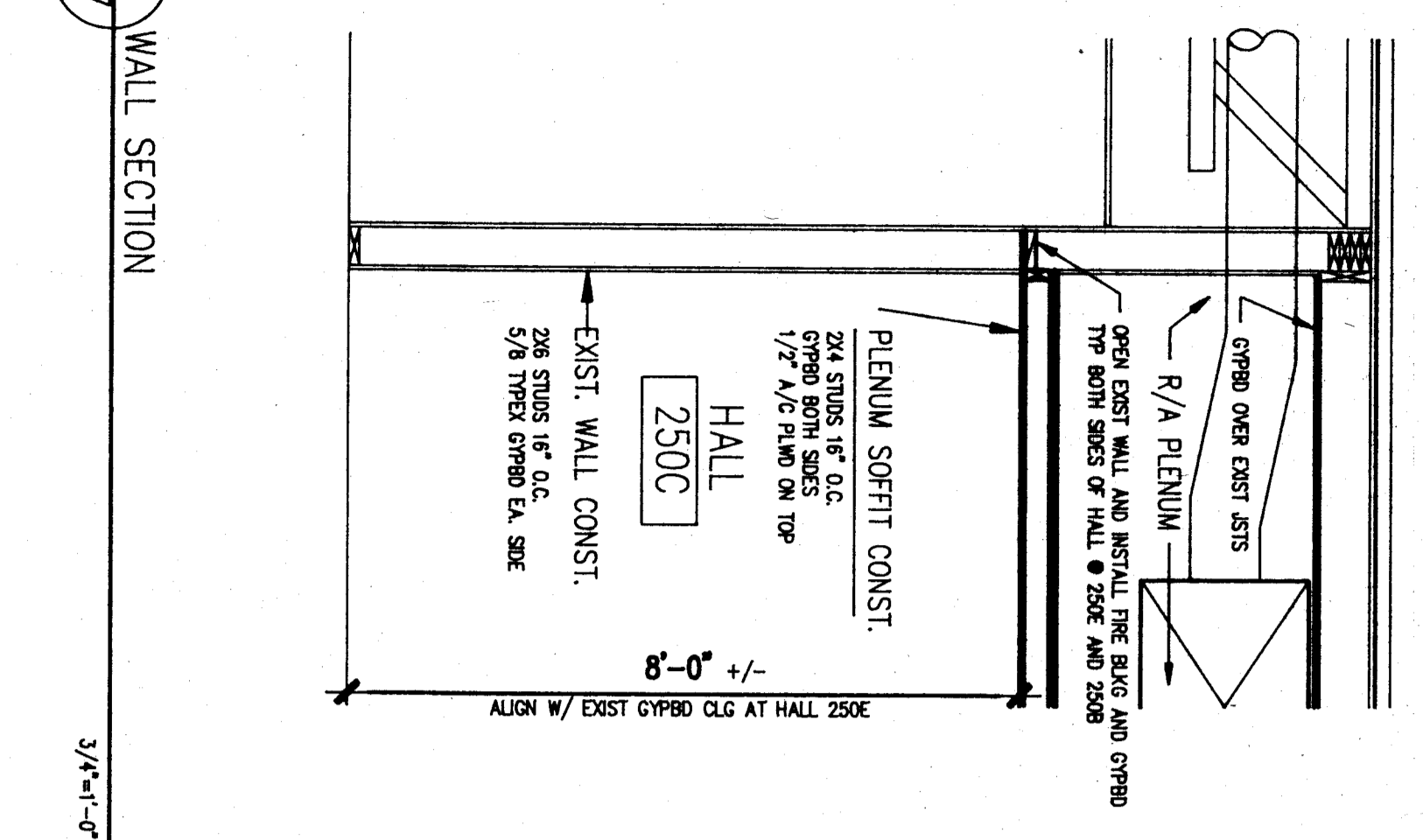


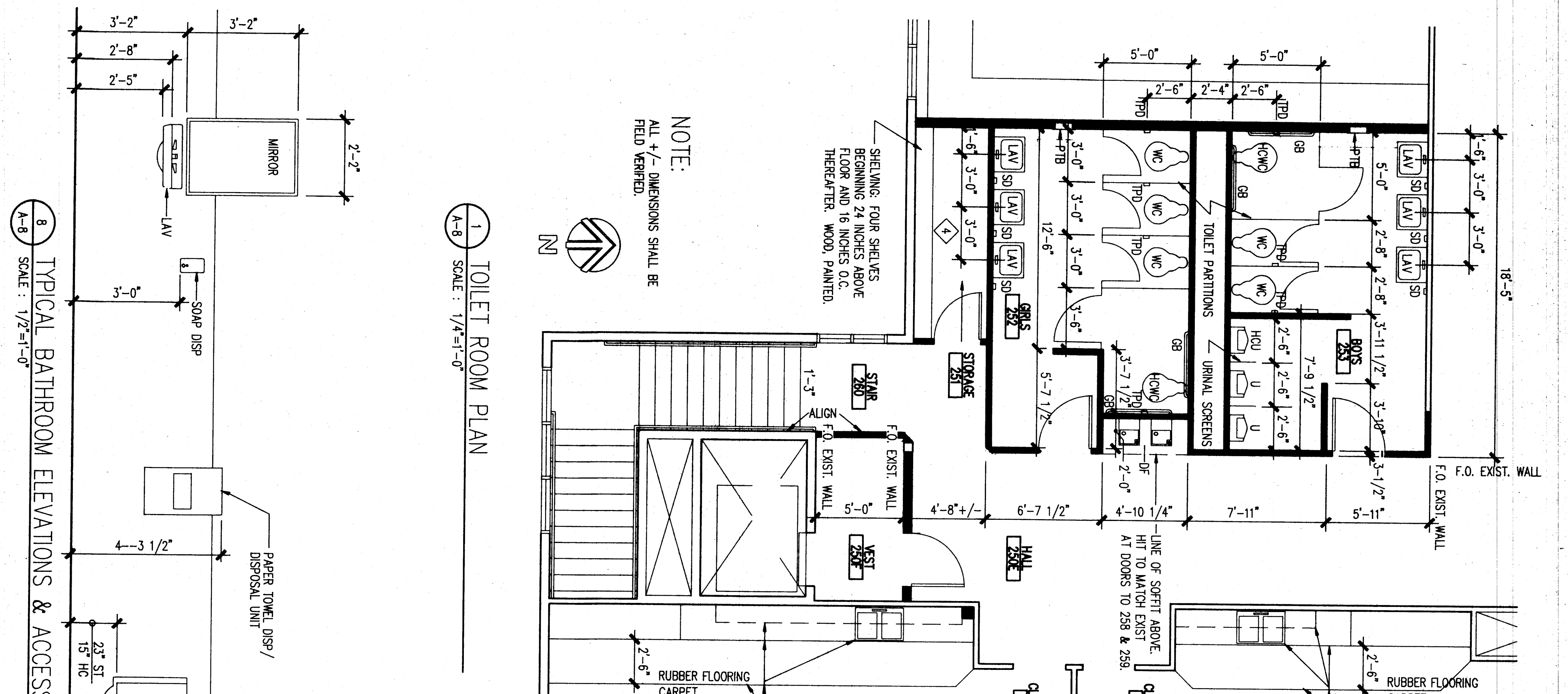
ROOM PLANS  
ROOF ELEVATIONS  
BUILDING SECTIONS

**WRANWELL MIDDLE SCHOOL REMODEL**  
WRANWELL, ALASKA  
PHASE II

consultants:

ARCHITECTURE & ENGINEERING  
P.O. BOX 12008  
ANCHORAGE, ALASKA 99517  
409-479-0000  
ANCHORAGE OFFICE: 985/51





8 TYPICAL BATHROOM ELEVATIONS & ACCESSORIES  
SCALE: 1/2"=1'-0"

11

10

9

8

7

6

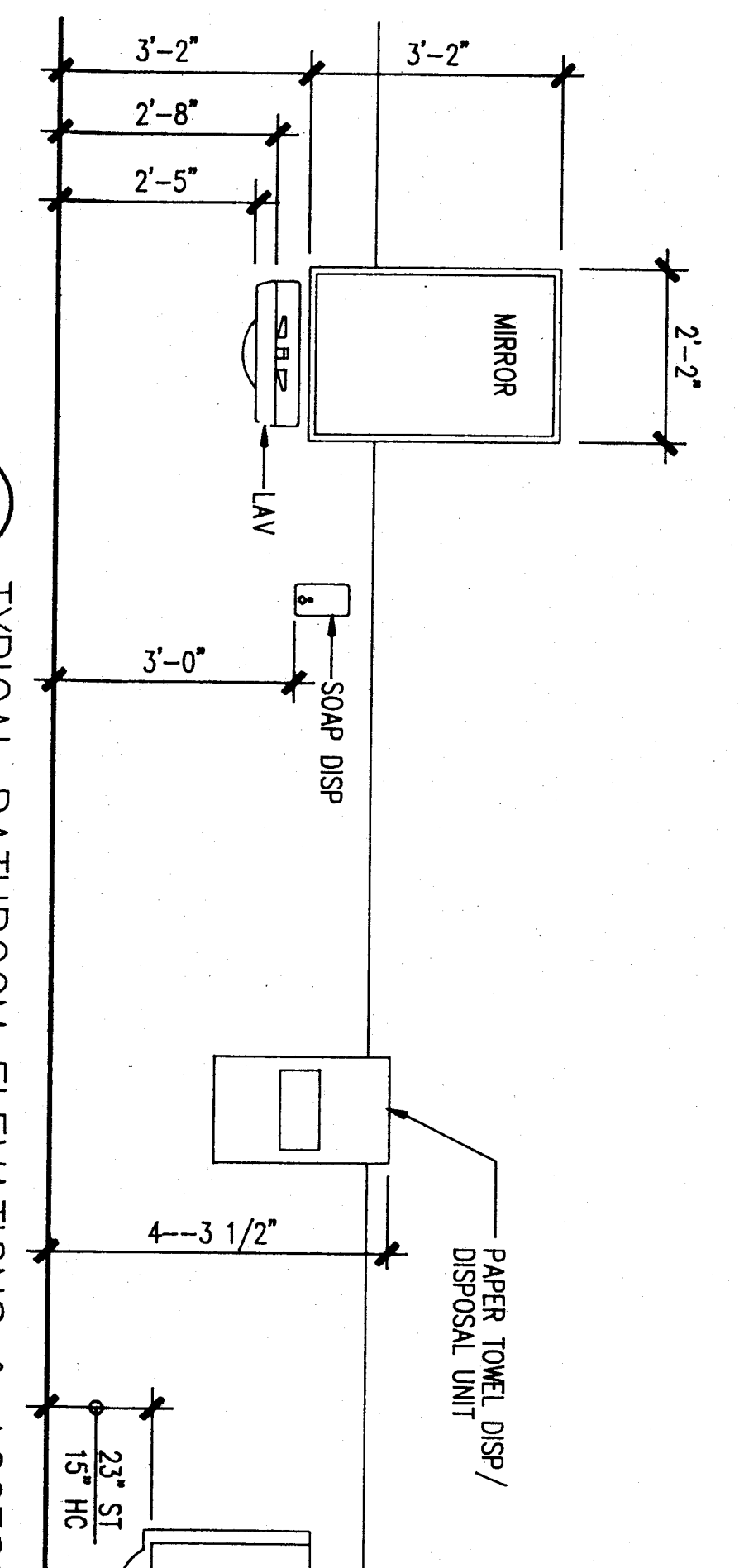
5

4

3

2

1



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

5 CASEWORK/APPLIANCES @ TEACHERS 256  
SCALE: 1/4"=1'-0"

2 TEACHERS' ROOM PLAN  
SCALE: 1/4"=1'-0"

6 HALL LOCKERS  
SCALE: 1/4"=1'-0"

4 CASEWORK AT CLASSROOMS 258 & 259  
SCALE: 1/4"=1'-0"

3 CUBBY STORAGE UNITS AT CLASSROOMS 258 & 259  
SCALE: 1/4"=1'-0"

7 WHITEBOARD  
SCALE: 1/4"=1'-0"

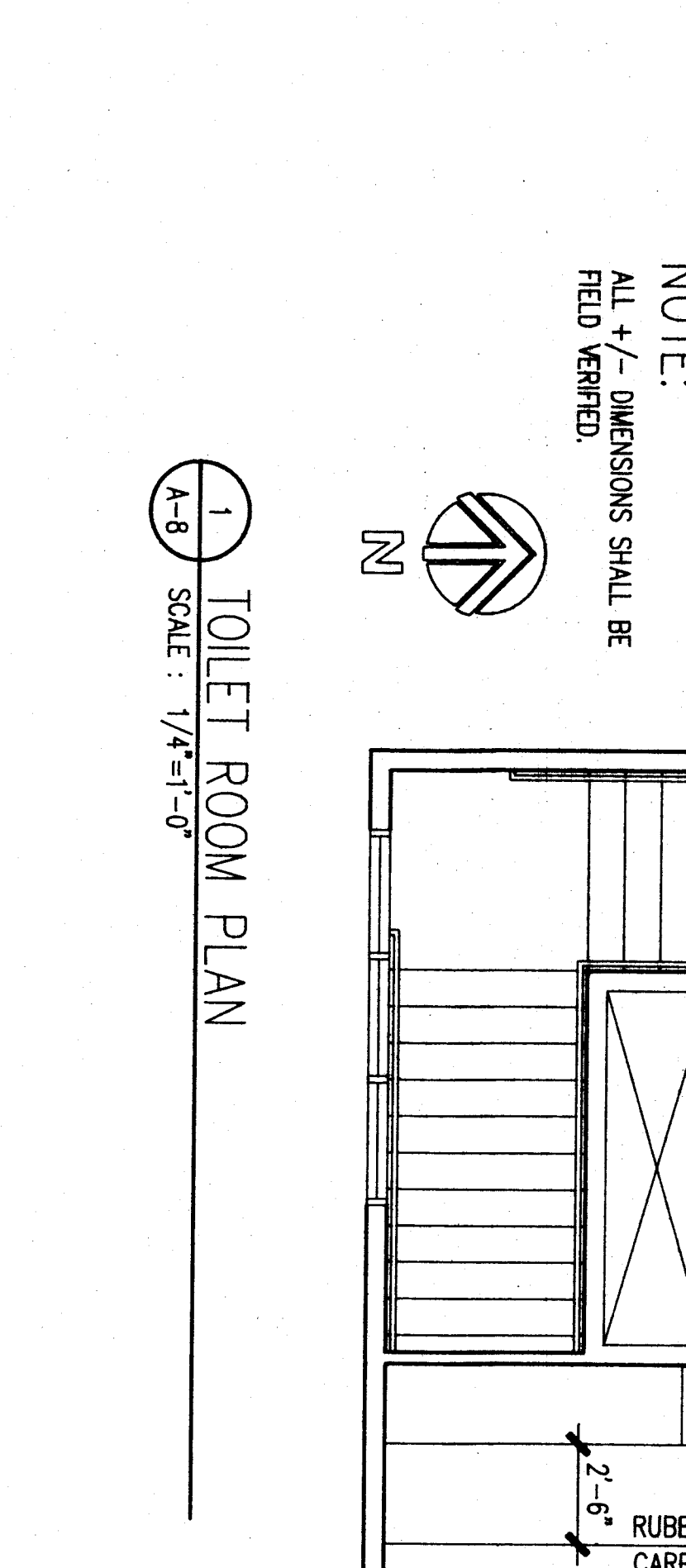
ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2



2 TEACHERS' ROOM PLAN  
SCALE: 1/4"=1'-0"

4 CASEWORK AT CLASSROOMS 258 & 259  
SCALE: 1/4"=1'-0"

3 CUBBY STORAGE UNITS AT CLASSROOMS 258 & 259  
SCALE: 1/4"=1'-0"

7 WHITEBOARD  
SCALE: 1/4"=1'-0"

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

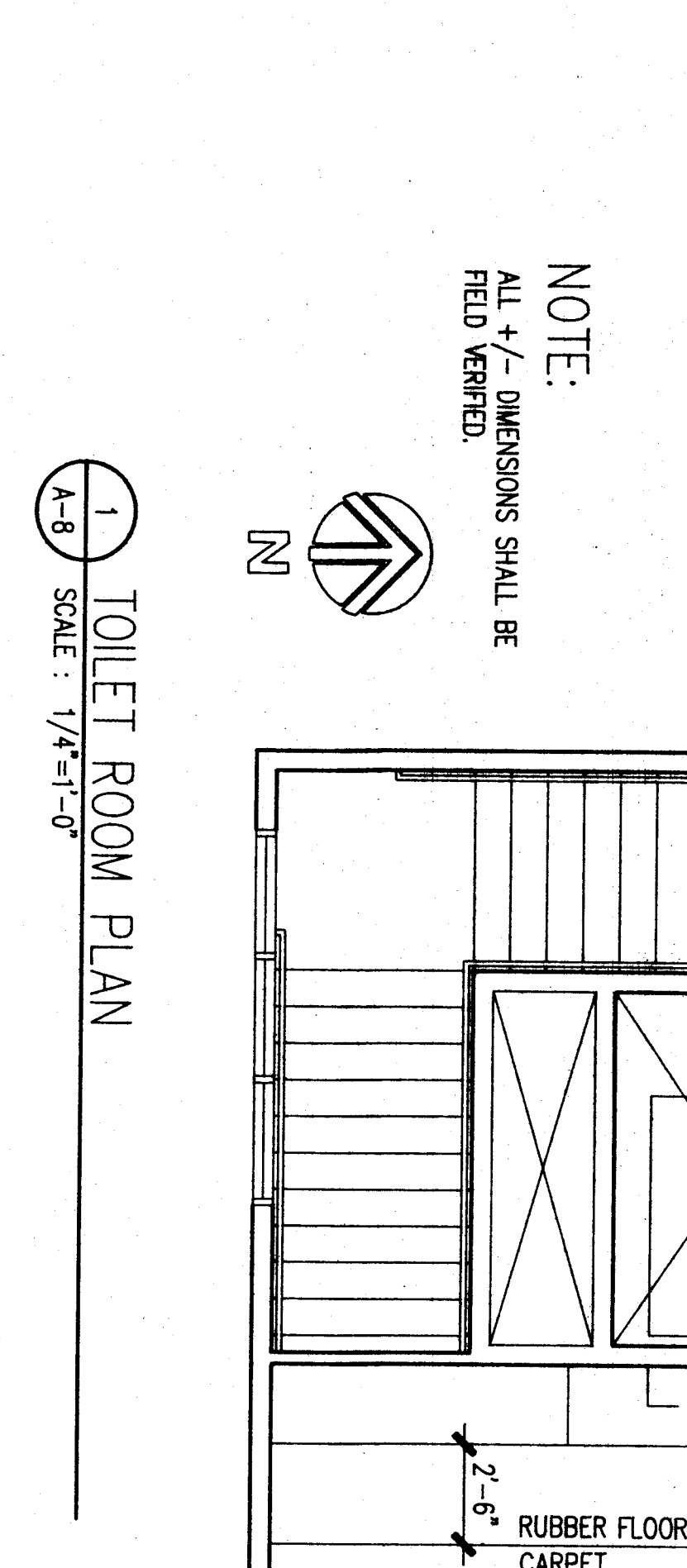
ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2



6 HALL LOCKERS  
SCALE: 1/4"=1'-0"

4 CASEWORK AT CLASSROOMS 258 & 259  
SCALE: 1/4"=1'-0"

3 CUBBY STORAGE UNITS AT CLASSROOMS 258 & 259  
SCALE: 1/4"=1'-0"

7 WHITEBOARD  
SCALE: 1/4"=1'-0"

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

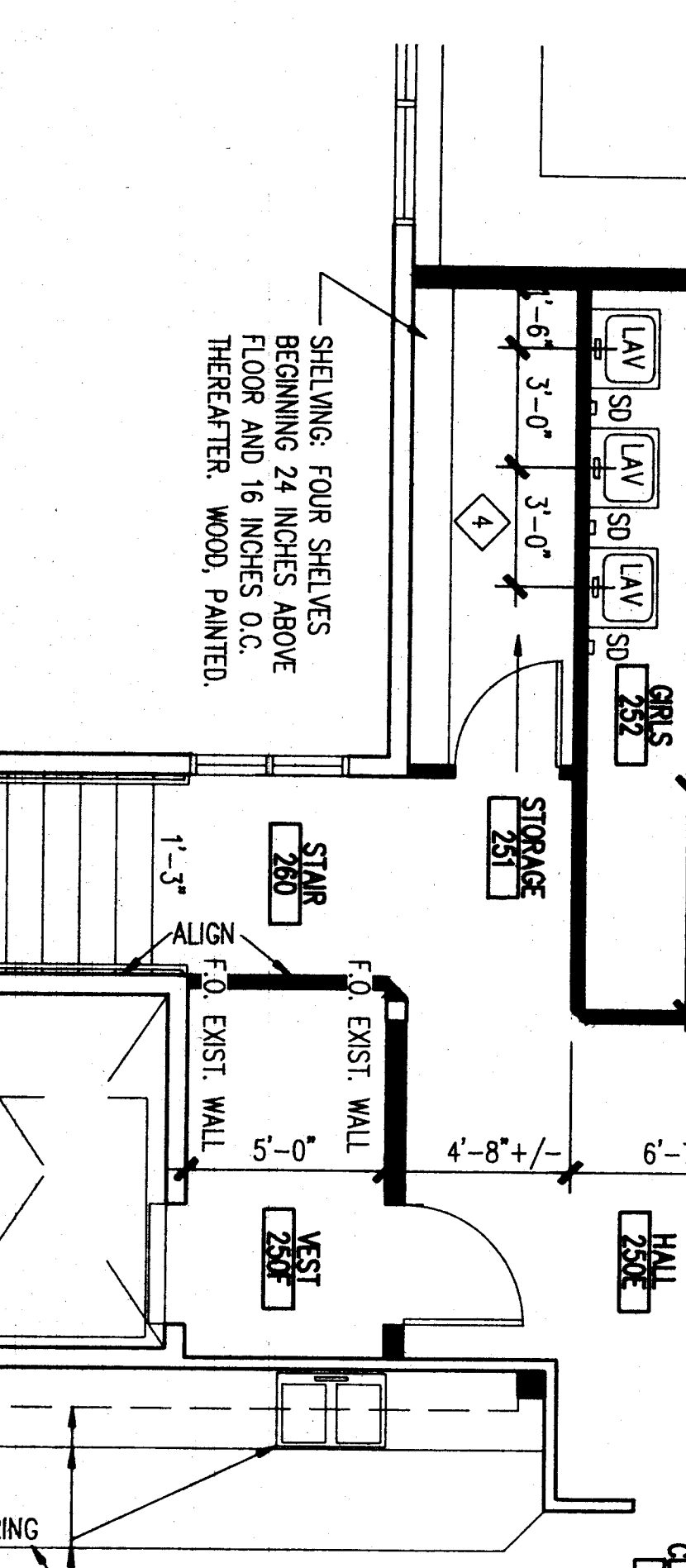
ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2



3 CUBBY STORAGE UNITS AT CLASSROOMS 258 & 259  
SCALE: 1/4"=1'-0"

4 CASEWORK AT CLASSROOMS 258 & 259  
SCALE: 1/4"=1'-0"

2 TEACHERS' ROOM PLAN  
SCALE: 1/4"=1'-0"

6 HALL LOCKERS  
SCALE: 1/4"=1'-0"

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

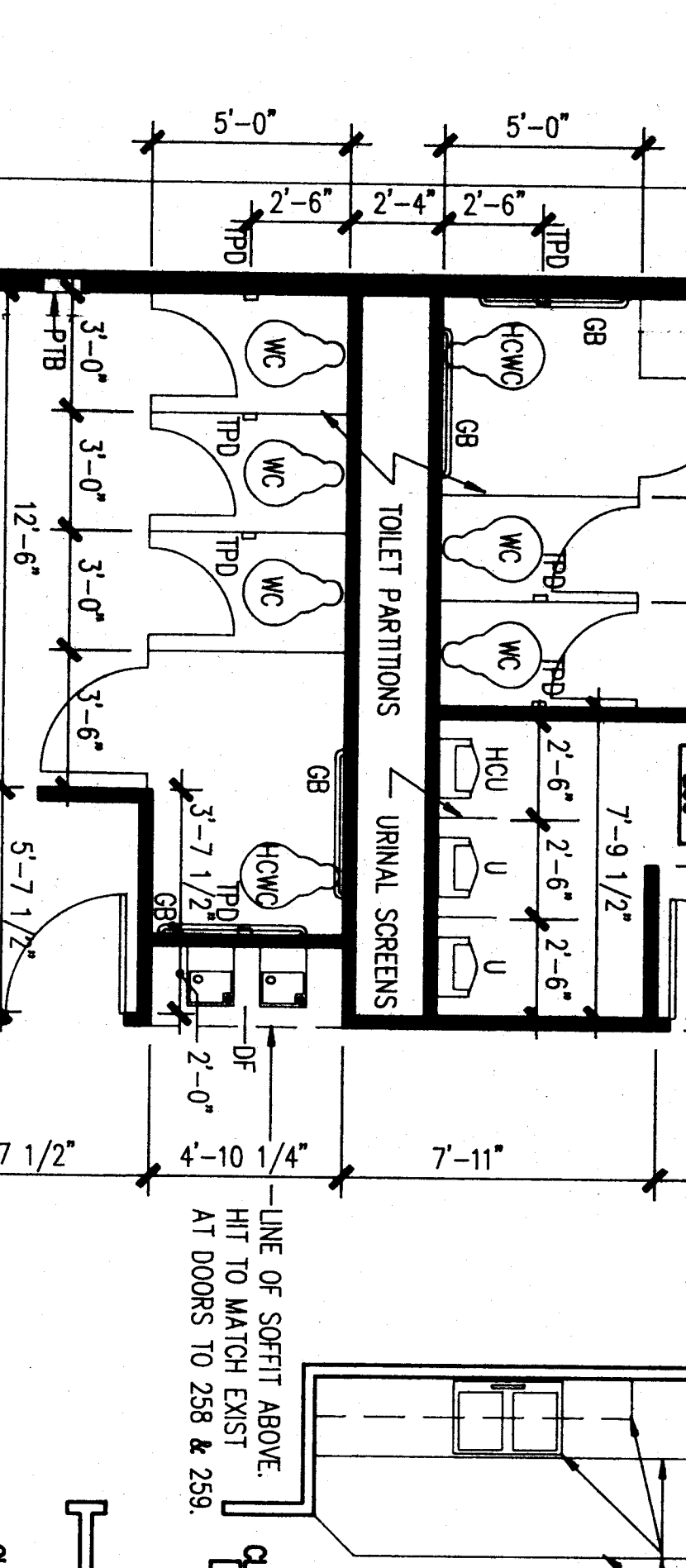
ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2



5 CASEWORK/APPLIANCES @ TEACHERS 256  
SCALE: 1/4"=1'-0"

2 TEACHERS' ROOM PLAN  
SCALE: 1/4"=1'-0"

6 HALL LOCKERS  
SCALE: 1/4"=1'-0"

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

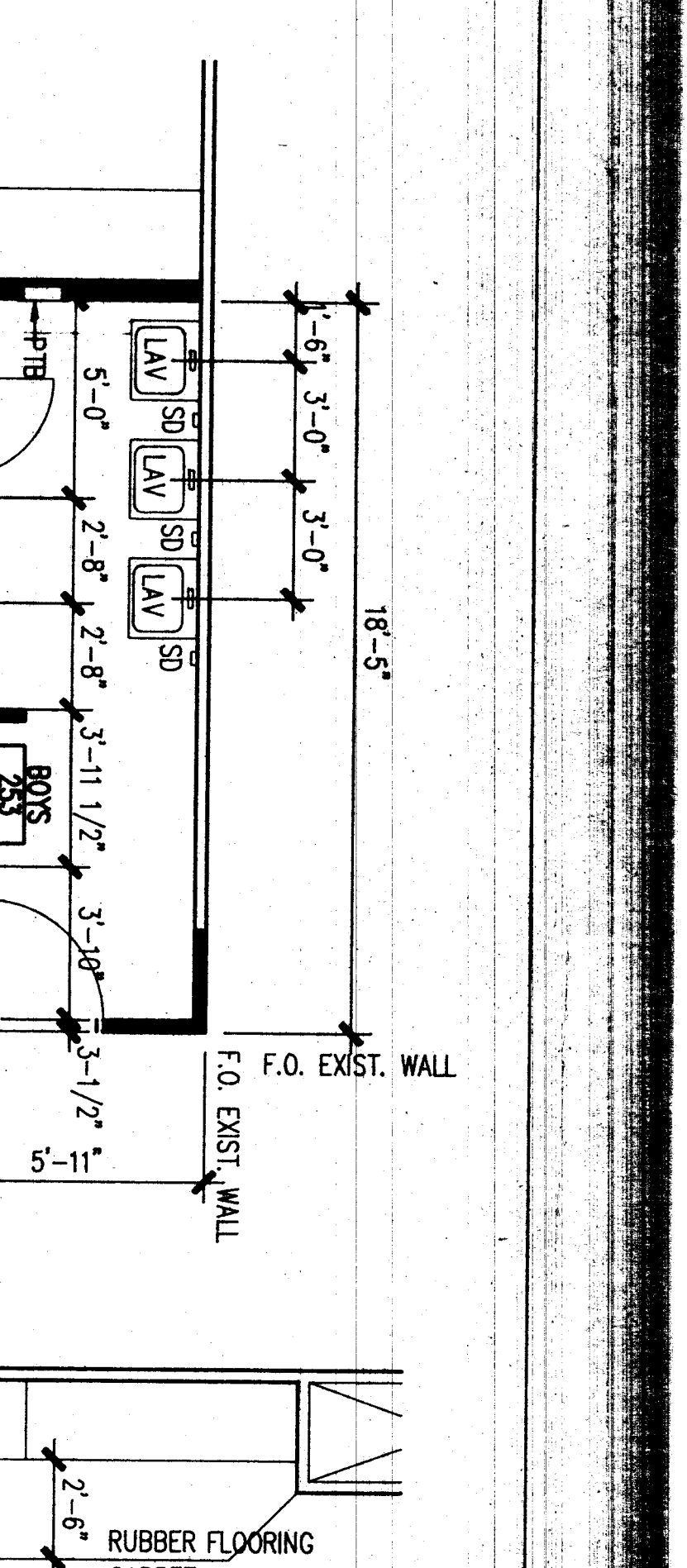
ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2



4 CASEWORK AT CLASSROOMS 258 & 259  
SCALE: 1/4"=1'-0"

2 TEACHERS' ROOM PLAN  
SCALE: 1/4"=1'-0"

6 HALL LOCKERS  
SCALE: 1/4"=1'-0"

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2



7 WHITEBOARD  
SCALE: 1/4"=1'-0"

2 TEACHERS' ROOM PLAN  
SCALE: 1/4"=1'-0"

6 HALL LOCKERS  
SCALE: 1/4"=1'-0"

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

ALTERNATE NO. 2

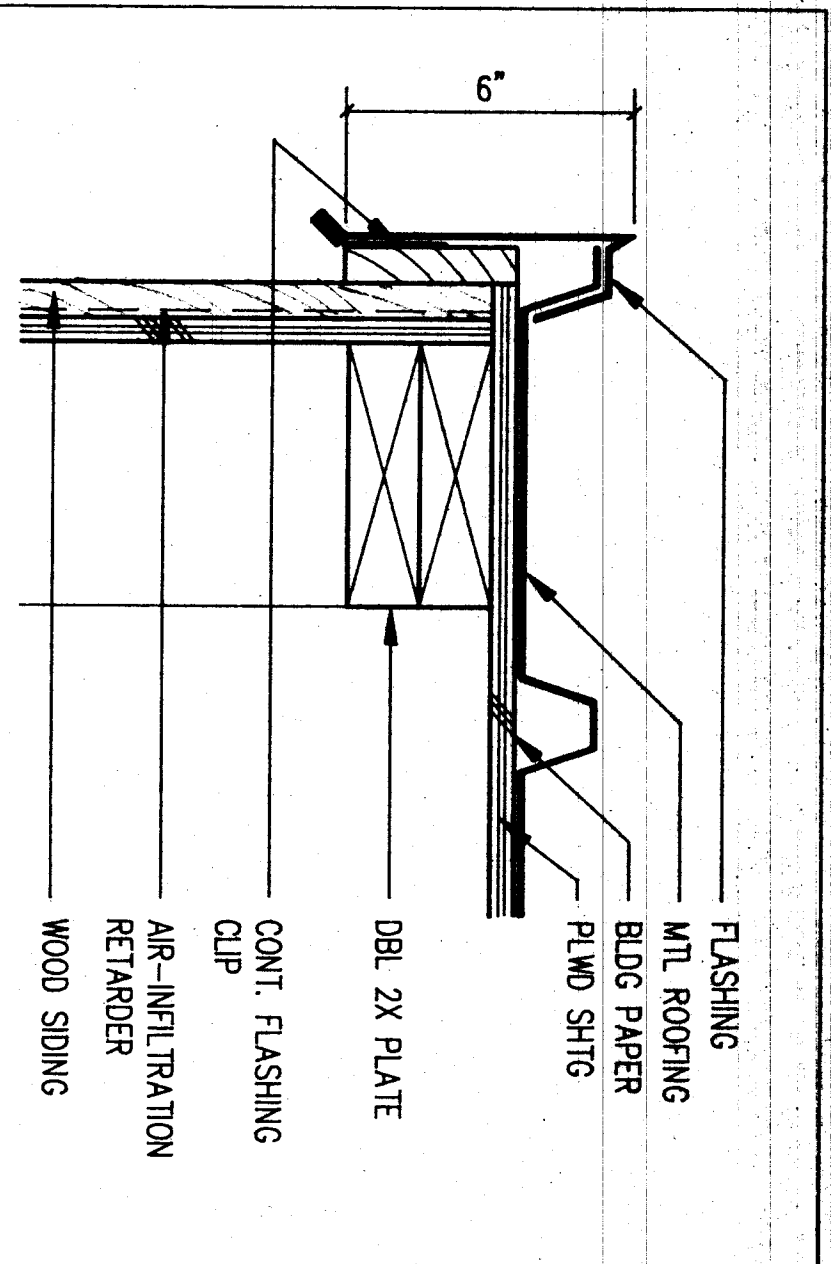
ALTERNATE NO. 2

ALTERNATE NO. 2

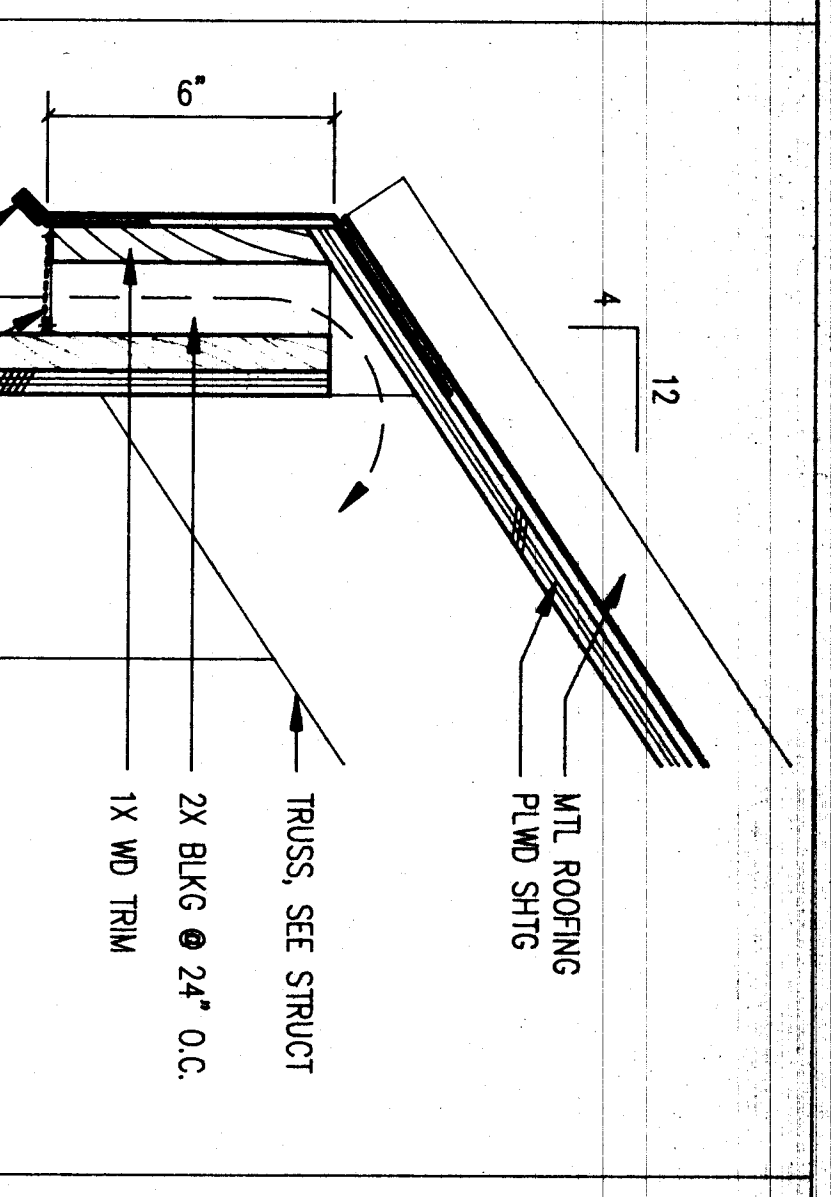
ALTERNATE NO. 2

ALTERNATE NO. 2

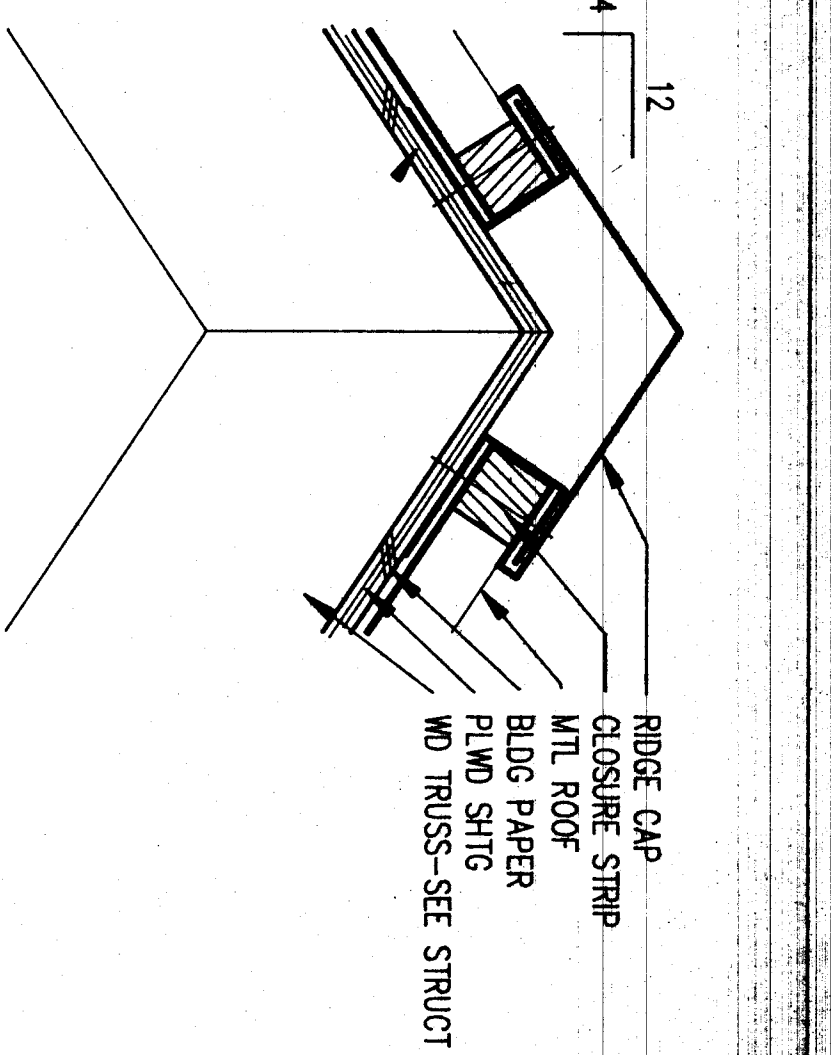




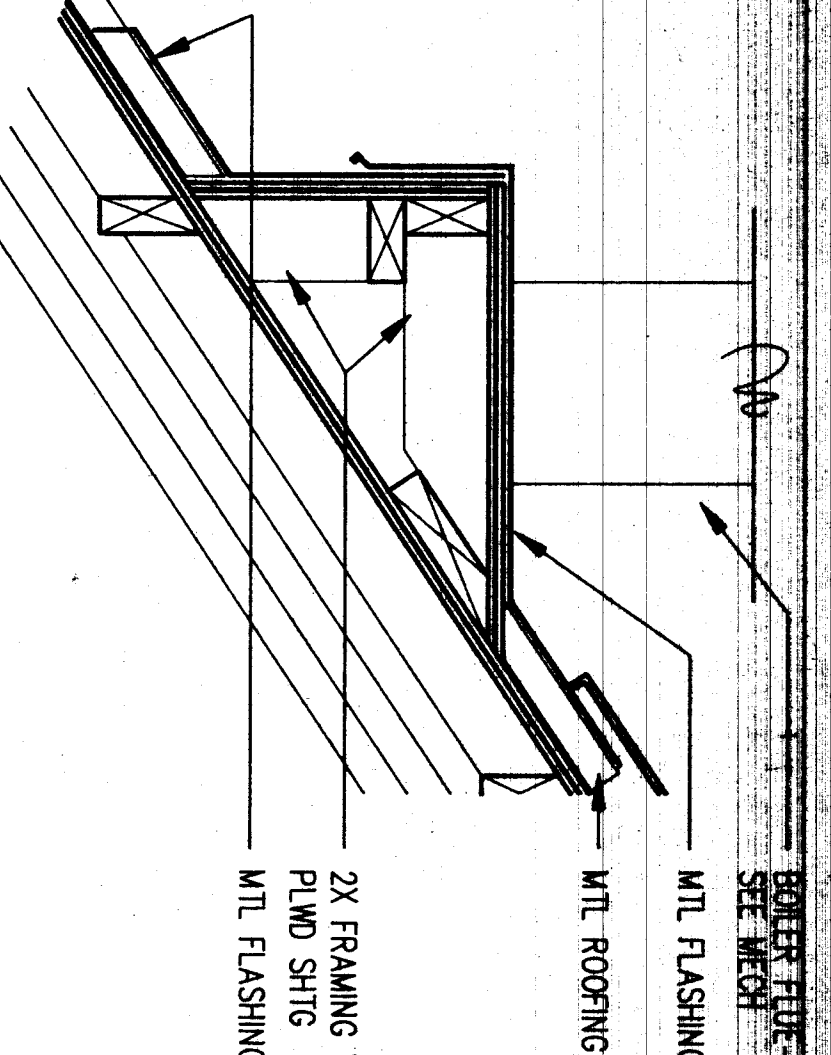
1 RAKE DETAIL  
3'-1-0"



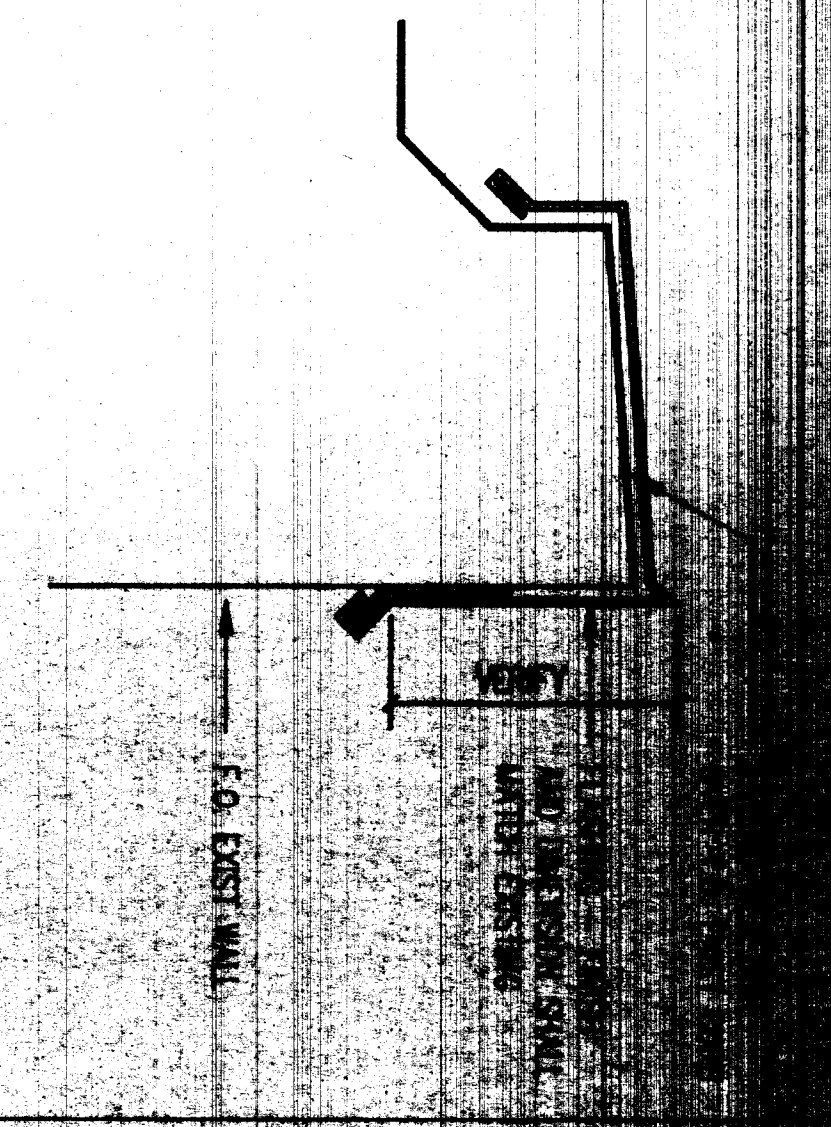
2 EAVE DETAIL  
3'-1-0"



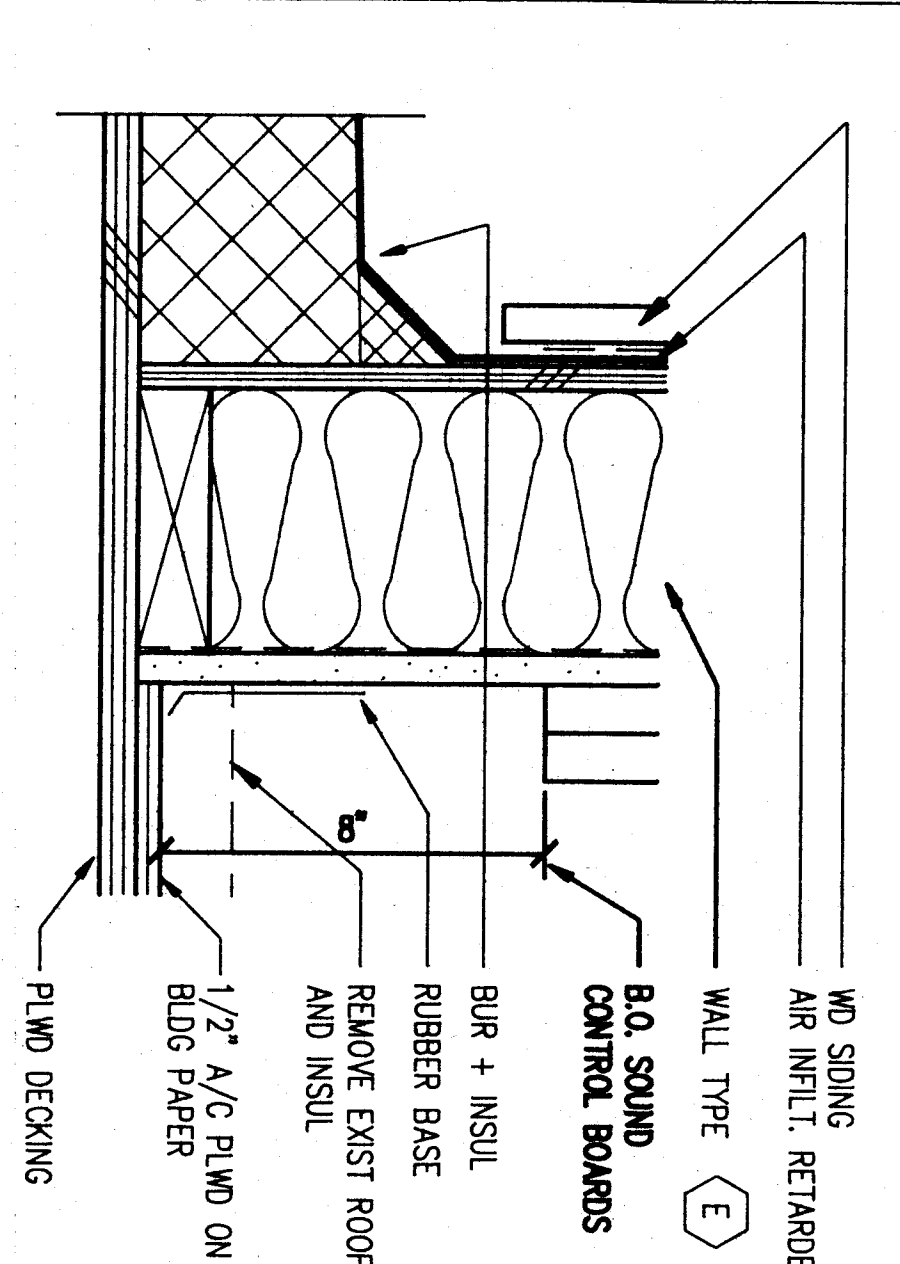
3 RIDGE DETAIL  
3'-1-0"



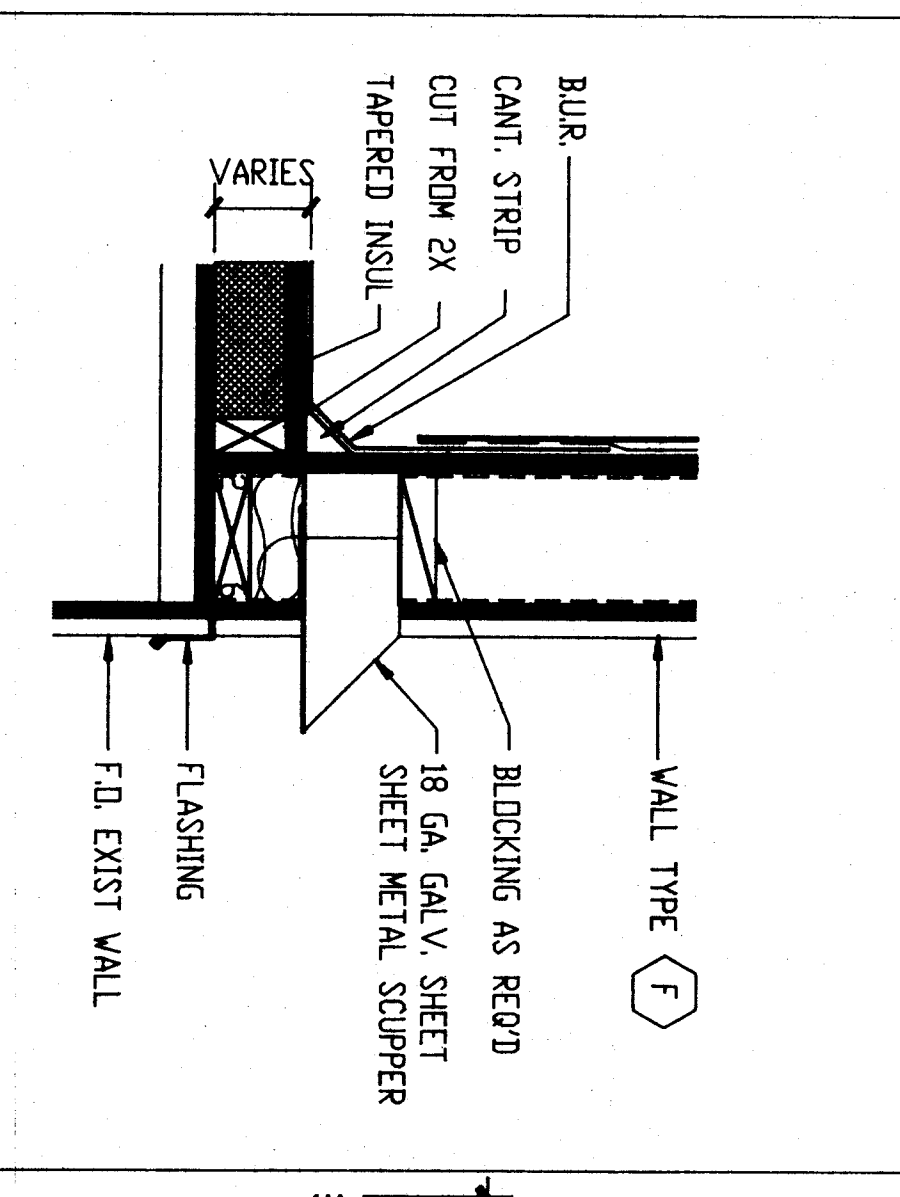
4 FLUE CURB DETAIL  
3'-1-0"



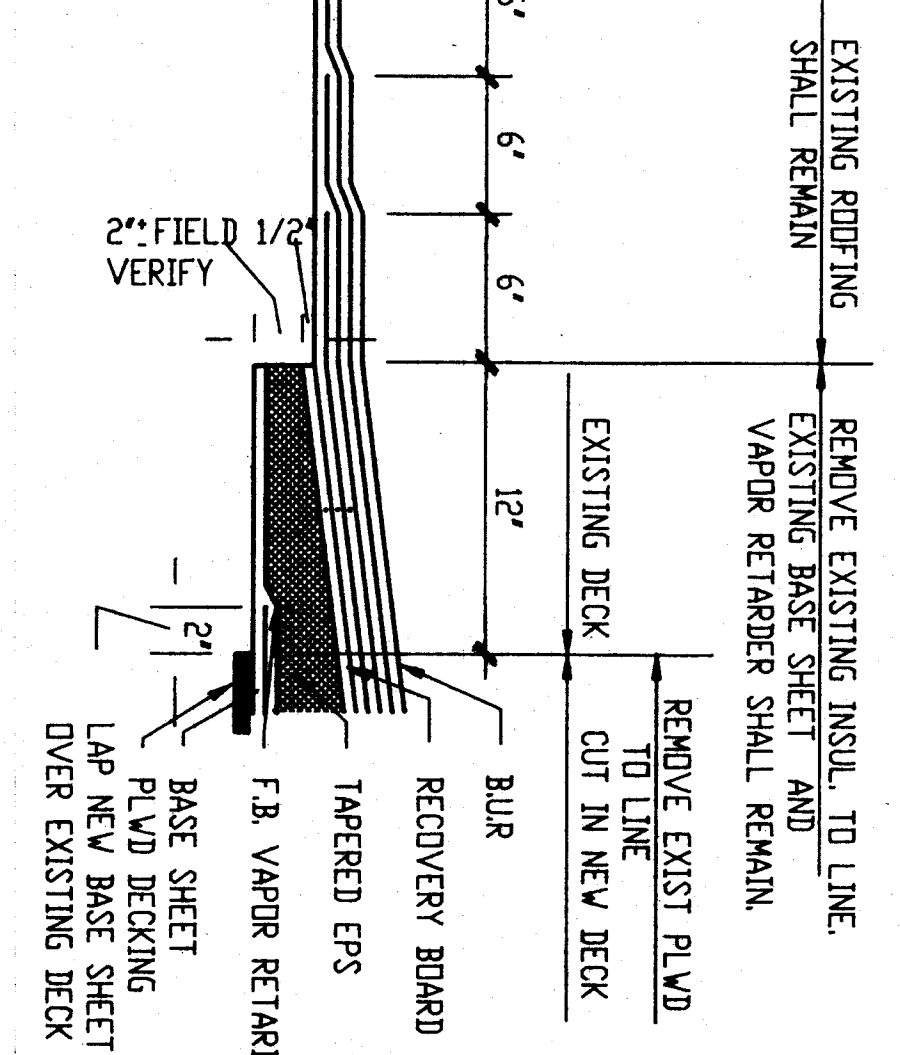
5 FLASHING @ EXIST ROOF CURB  
3'-1-0"



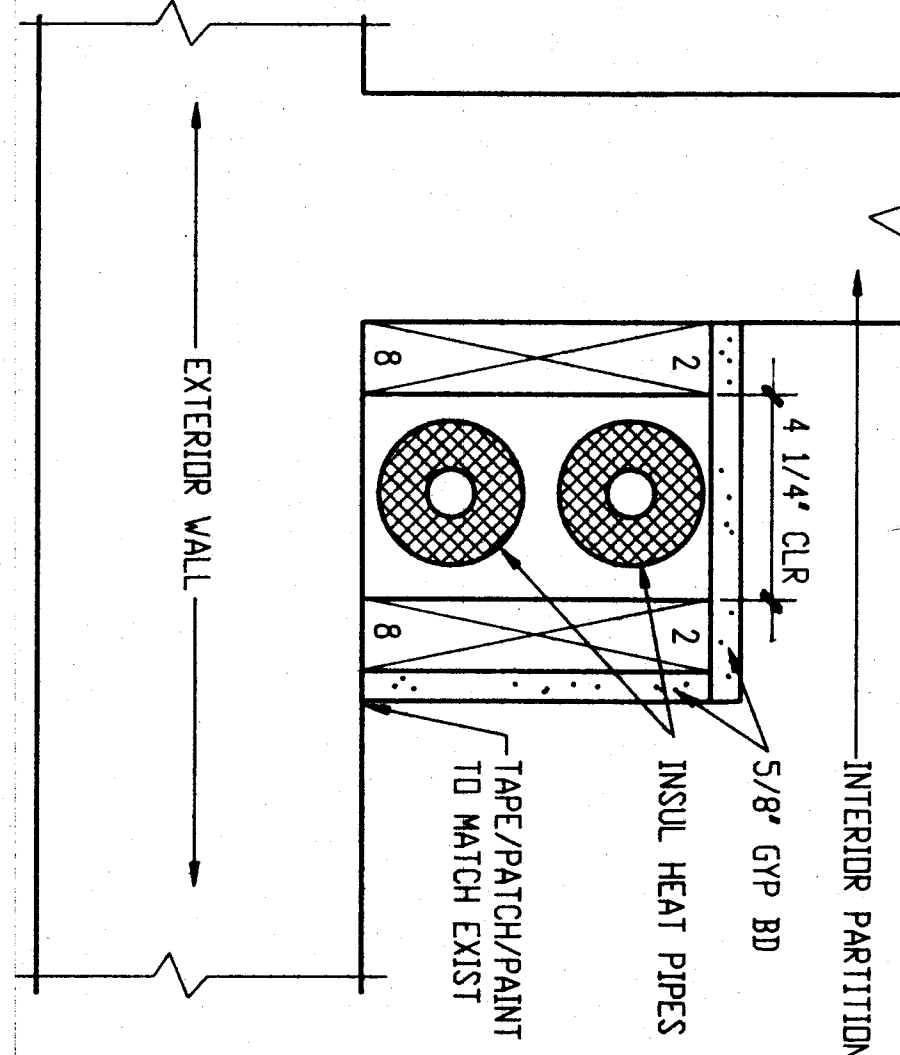
6 WALL DETAIL  
3'-1-0"



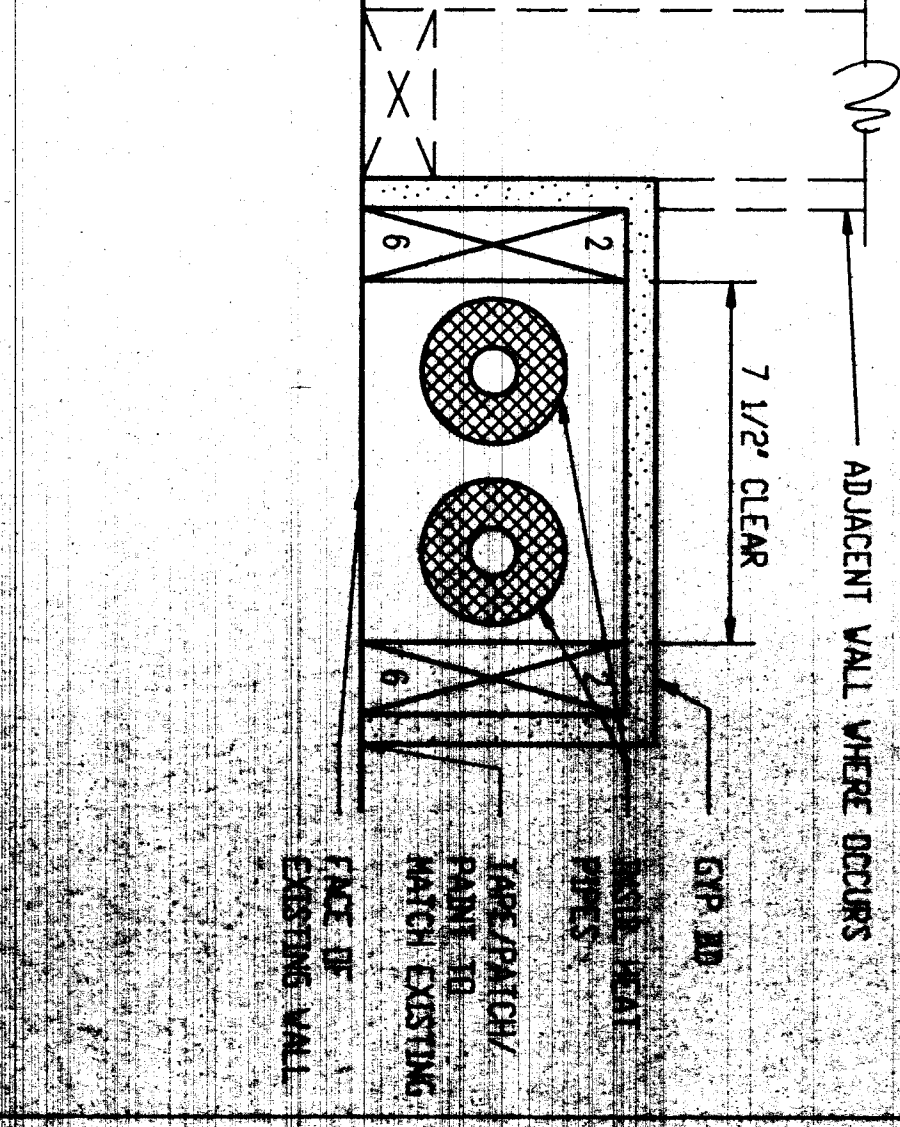
7 SCUPPER DETAIL  
1 1/2" = 1'-0"



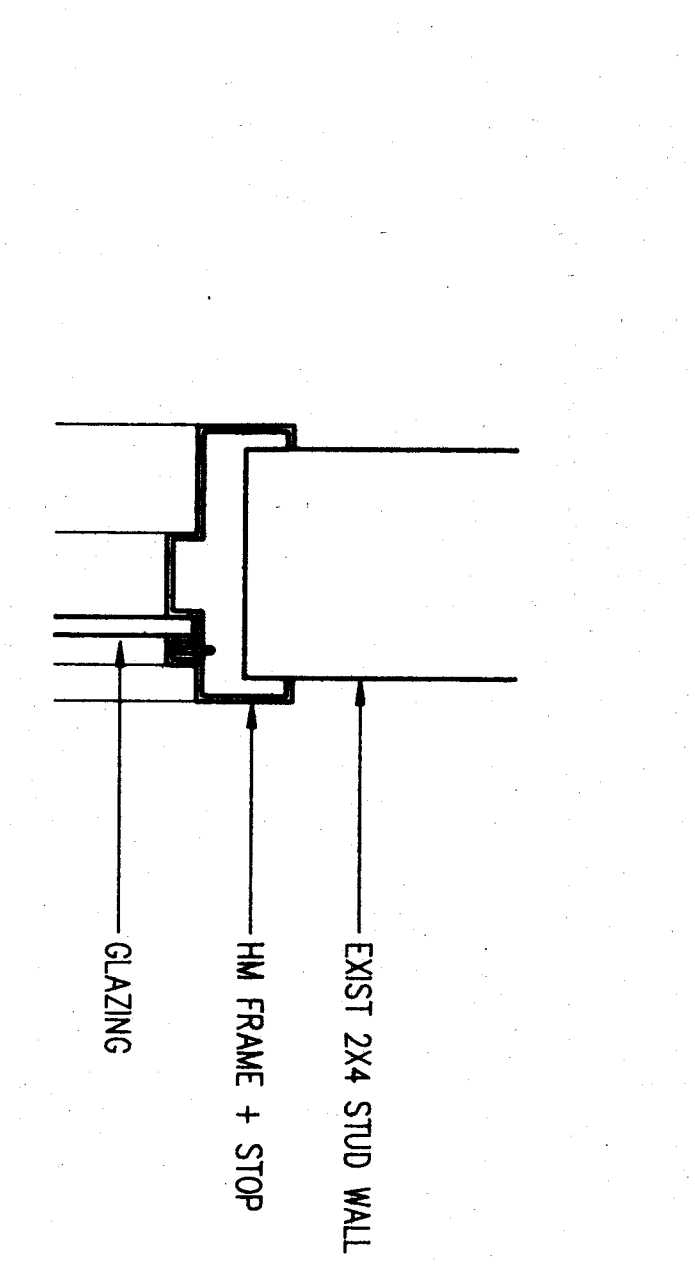
8 ROOF PATCH DECK  
1 1/2" = 1'-0"



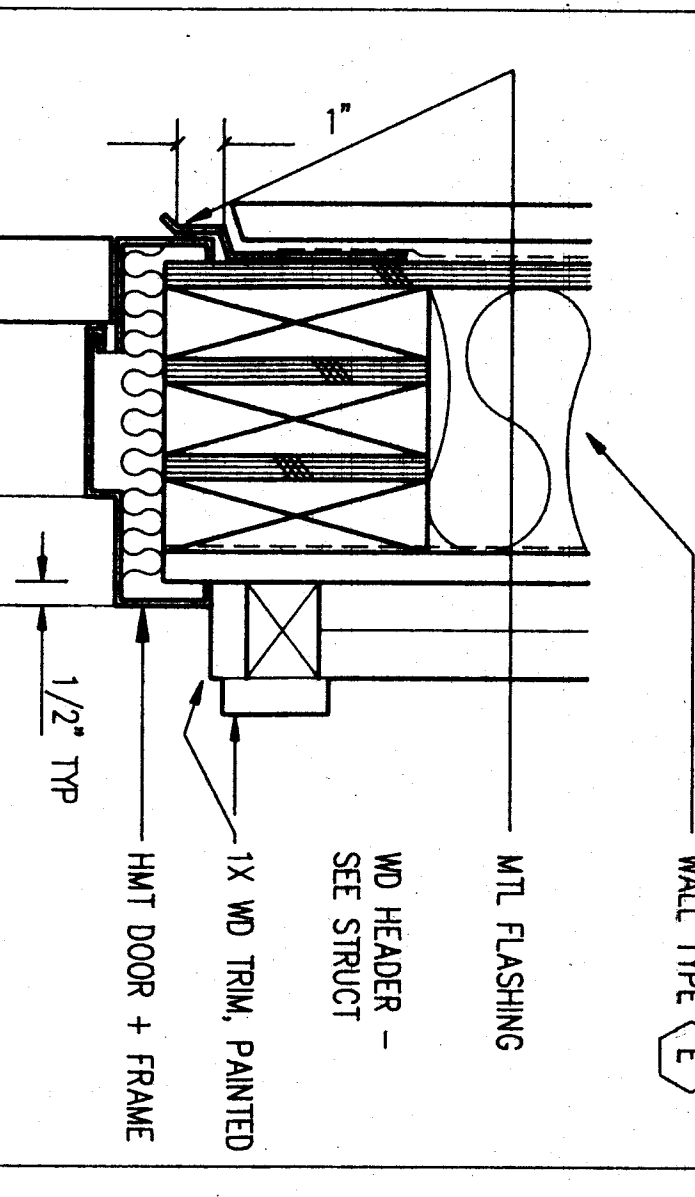
9 PIPE CHASE TYPE A  
3'-1-0"



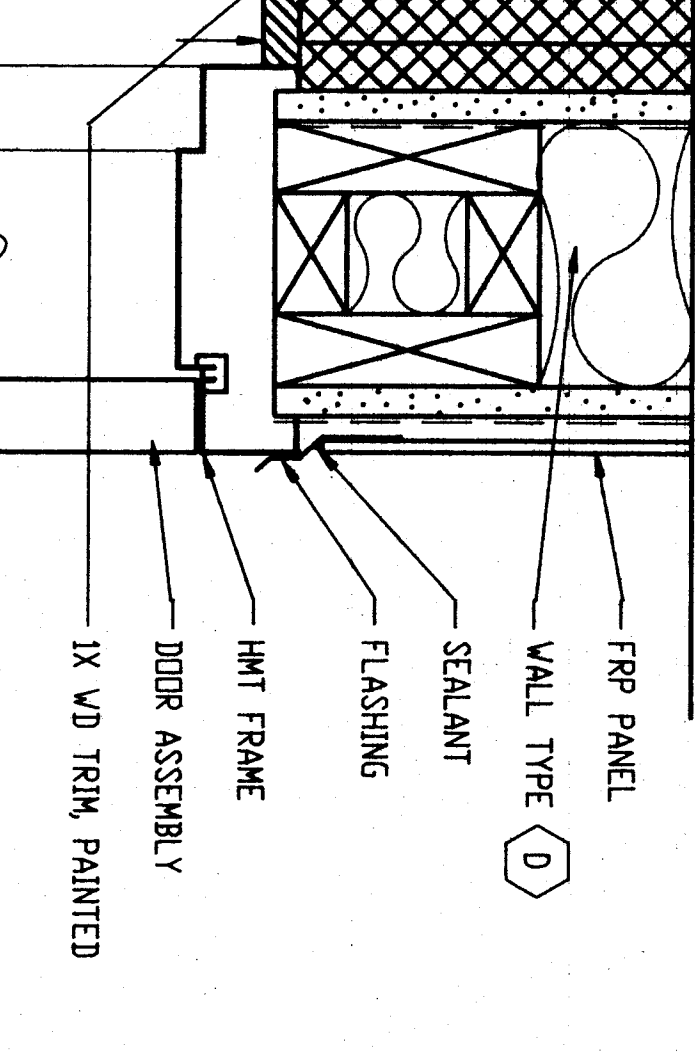
10 PIPE CHASE TYPE B  
3'-1-0"



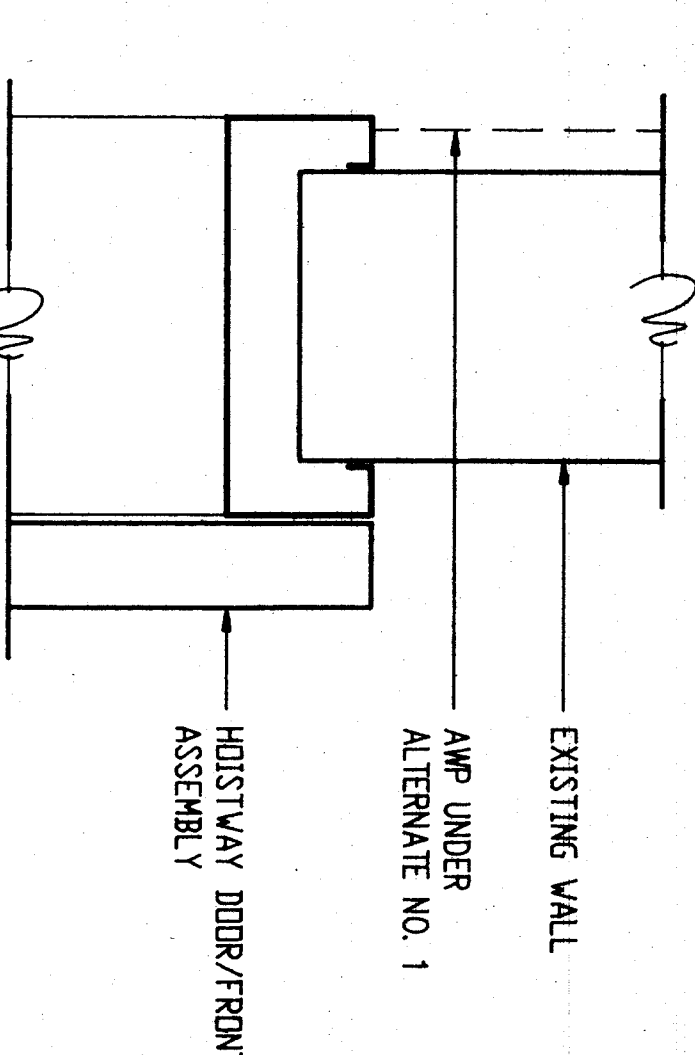
11 RELITE HEAD (JAMB SIM)  
3'-1-0"



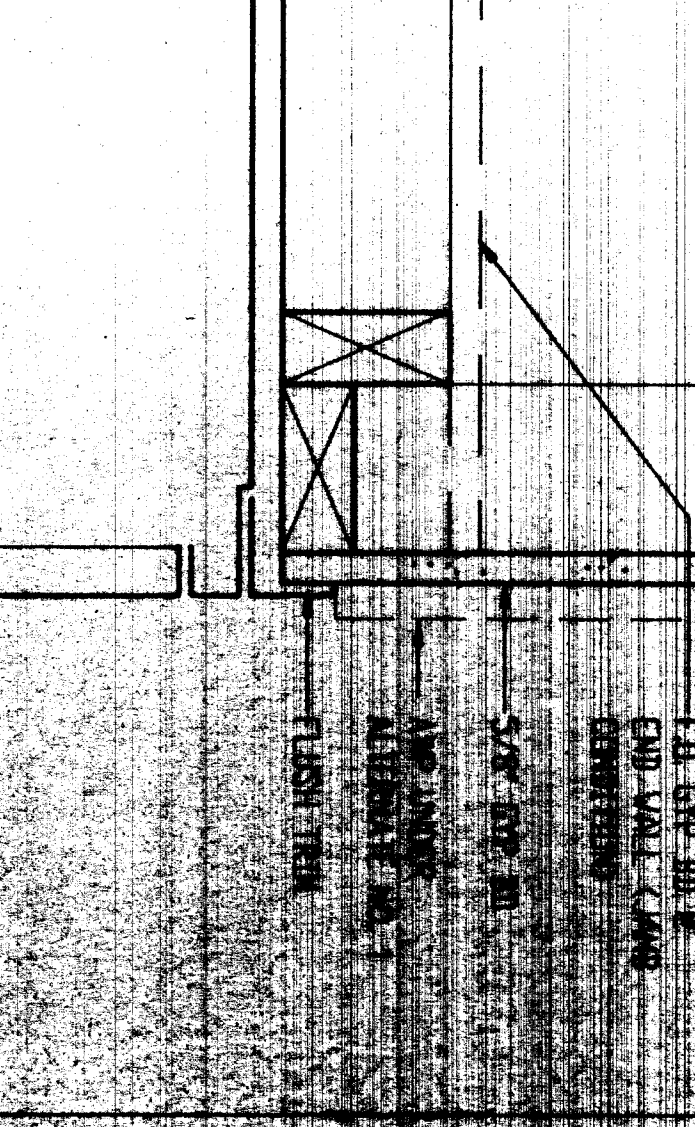
12 DOOR HEAD @ 300-1  
3'-1-0"



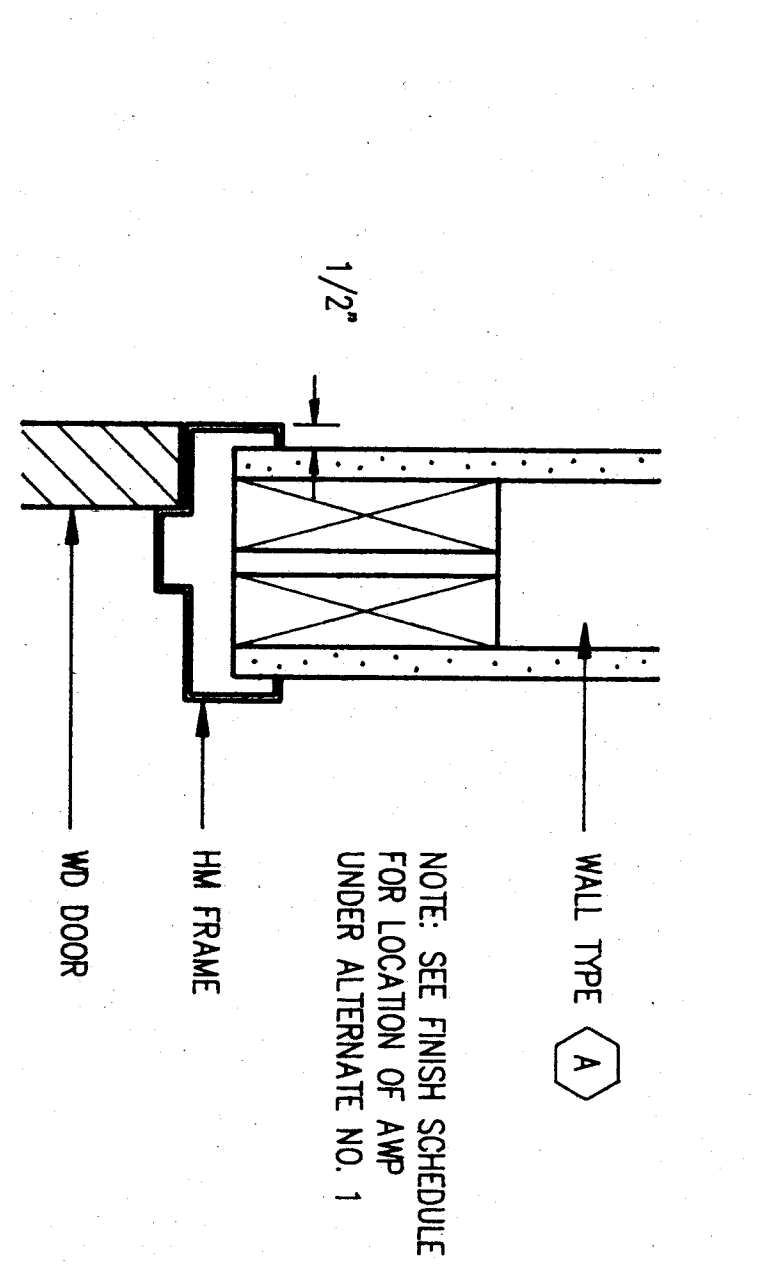
13 DOOR HEAD @ 300-2  
3' = 1'-0"



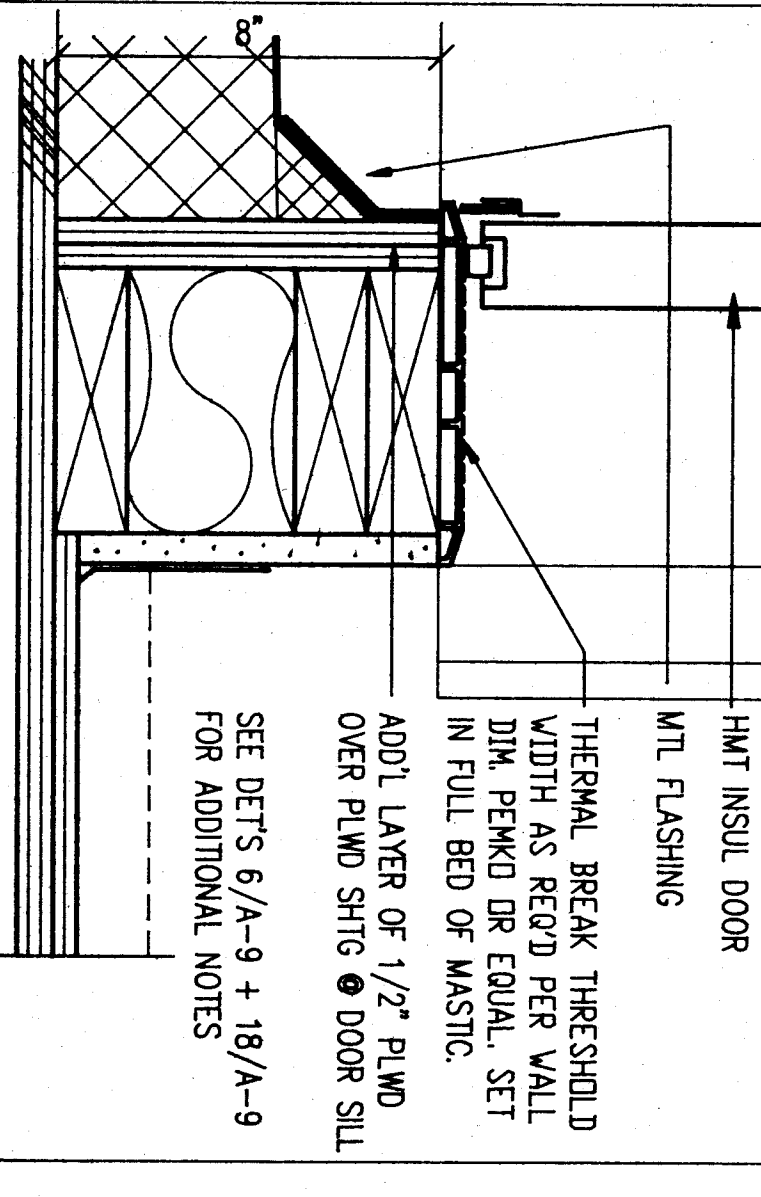
14 HOISTWAY ENTRANCE HEAD  
JAMB SIMILAR  
3' = 1'-0"



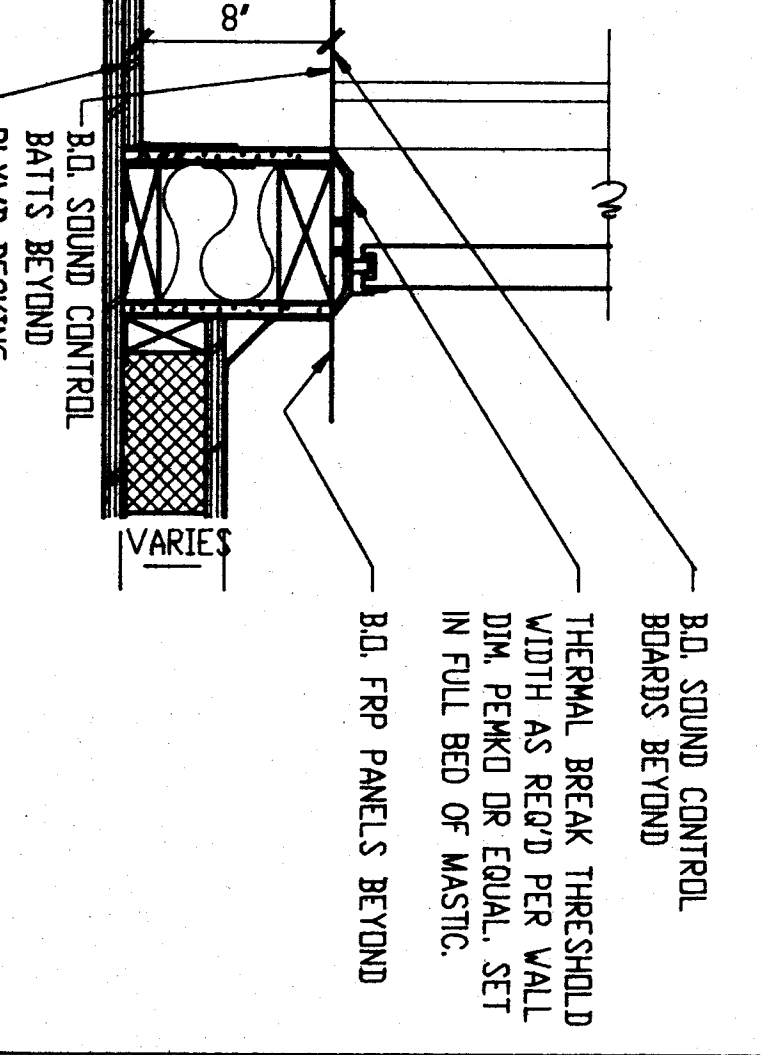
15 LOCKER HEAD/JAMB SIM.  
3' = 1'-0"



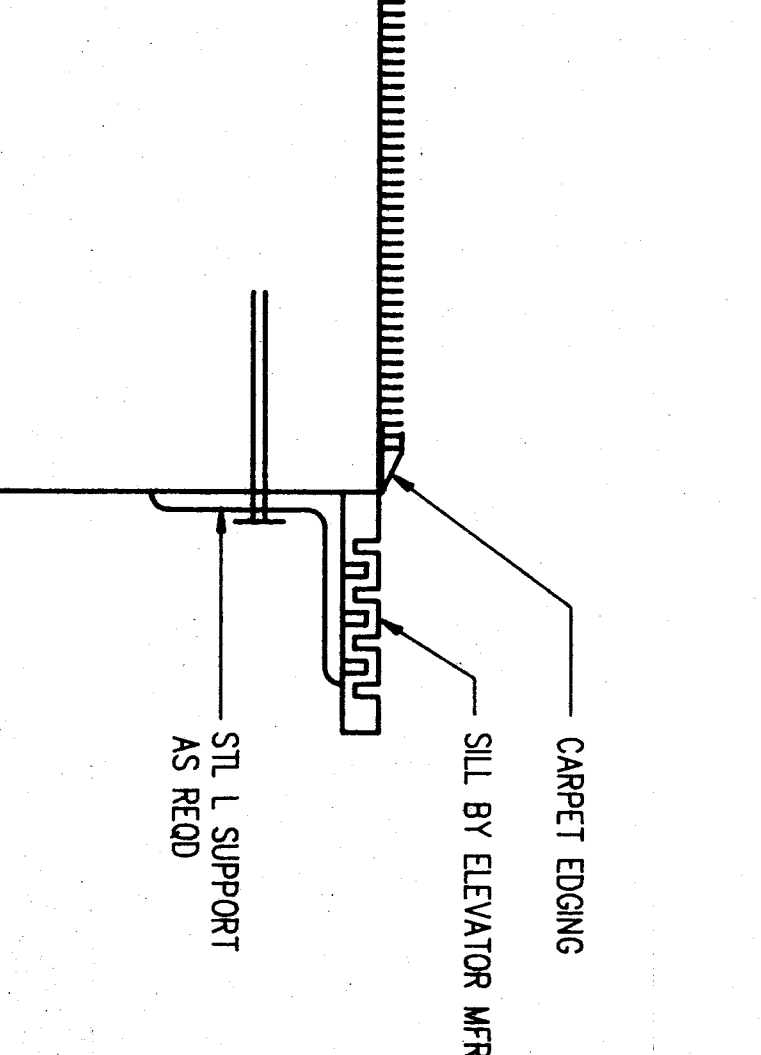
16 DOOR HEAD (JAMB SIM)  
3'-1-0"



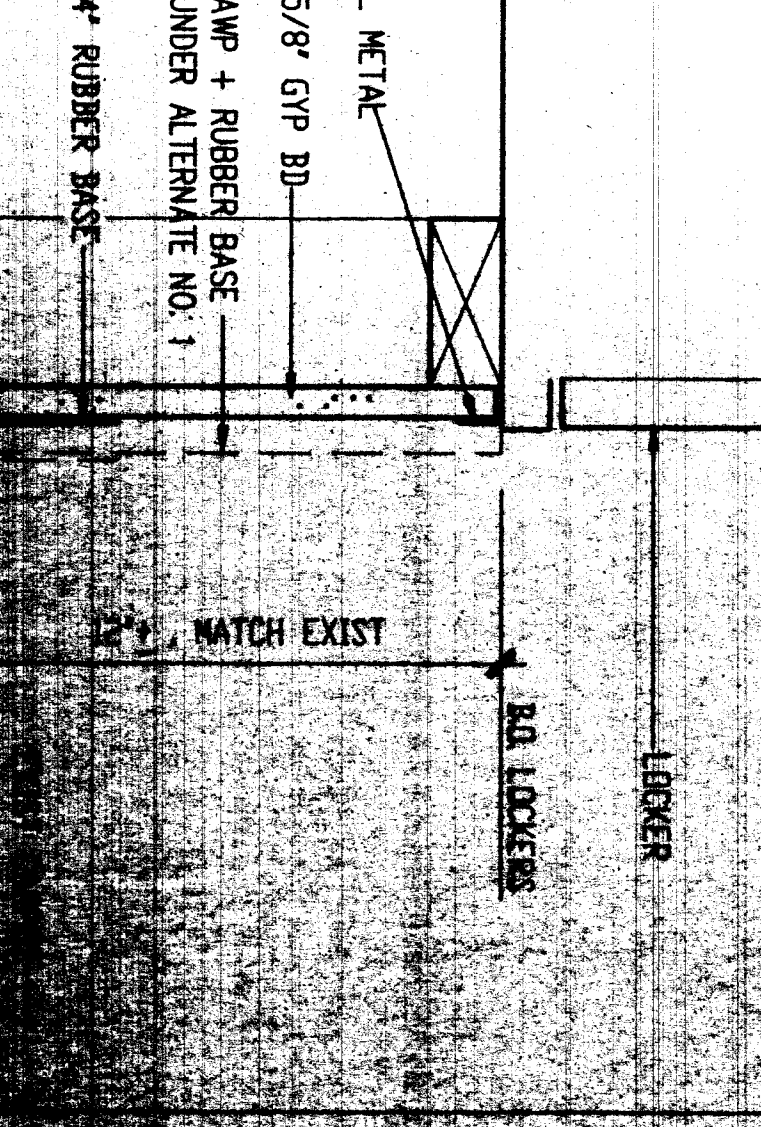
17 DOOR SILL @ 300-1  
3'-1-0"



18 DOOR SILL @ 300-2  
1 1/2" = 1'-0"



19 HOISTWAY THRESHOLD  
3' = 1'-0"



20 LOCKER BASE  
3' = 1'-0"

architect - planning  
© 2000  
128 W 18th Ave  
Anchorage, Alaska 99501

consultants:

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL, ALASKA  
PHASE II



DATE: 11/20/00  
DRAWN BY: [Name]  
CHECKED BY: [Name]

FINISH SCHEDULE

Table with columns: ROOM NO., FINISH, FLOOR, CEILING, and HEIGHT. Lists room finishes for classrooms, offices, restrooms, and other areas.

- NOTES
1. REMOVE EXISTING CHERT AND REBER BASE AND INSTAL...
2. REMOVE AND REPLACE CHERT AND REBER BASE AT BALLS...
3. ALTERNATE NO. 1: INSTALL ACOUSTIC WALL PANELS AS DETAILED AND SPECIFIED OVER NEW...
4. UNLESS OTHERWISE NOTED...
5. ALL NEW GYPSUM FINISHES SHALL RECEIVE PAINT AND NEW REBER BASE...
6. UNDER ALTERNATE NO. 2, DELTE REBER BASE @ WEST WALL AND INSTAL REBER BASE @ RESSVACE OF BASE CHAMBERS.

- NOTE 1. ADD SMOKE GLAZERS
NOTE 2. GALVANIZED DOORS - SEE SPECIFICATIONS

ABBREVIATIONS

Table mapping abbreviations to full names. Includes terms like ACOUSTIC CEILING, ALUMINUM, ANCHOR BOLT, etc.

DOOR SCHEDULE

Table with columns: Door #, Door Size, Door Type, and Details. Lists door specifications for various rooms.

NOTE 1. ADD SMOKE GLAZERS
NOTE 2. GALVANIZED DOORS - SEE SPECIFICATIONS

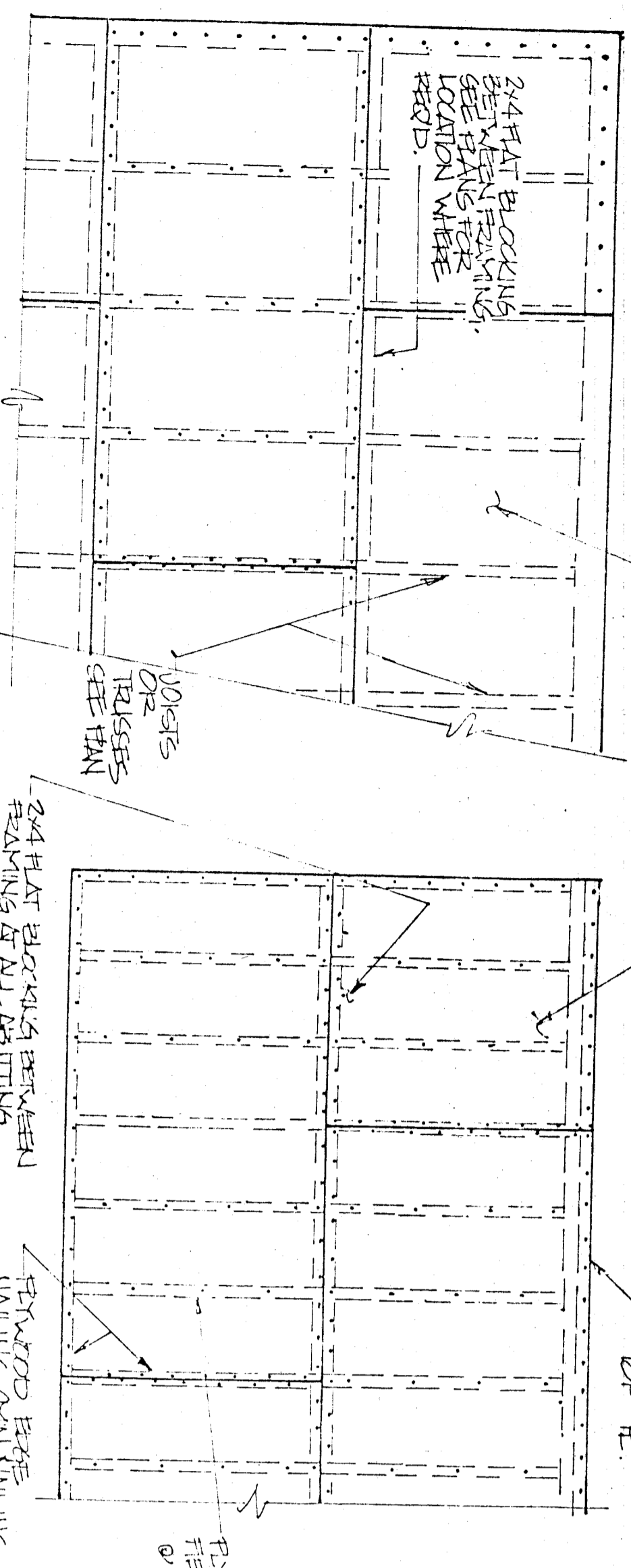


WRANGELL MIDDLE SCHOOL REMODEL
WRANGELL, ALASKA
PHASE II
Project by: [redacted] 04/26/91

consultants:
architect: [redacted]
P.O. Box 70209
Fairbanks, Alaska 99707

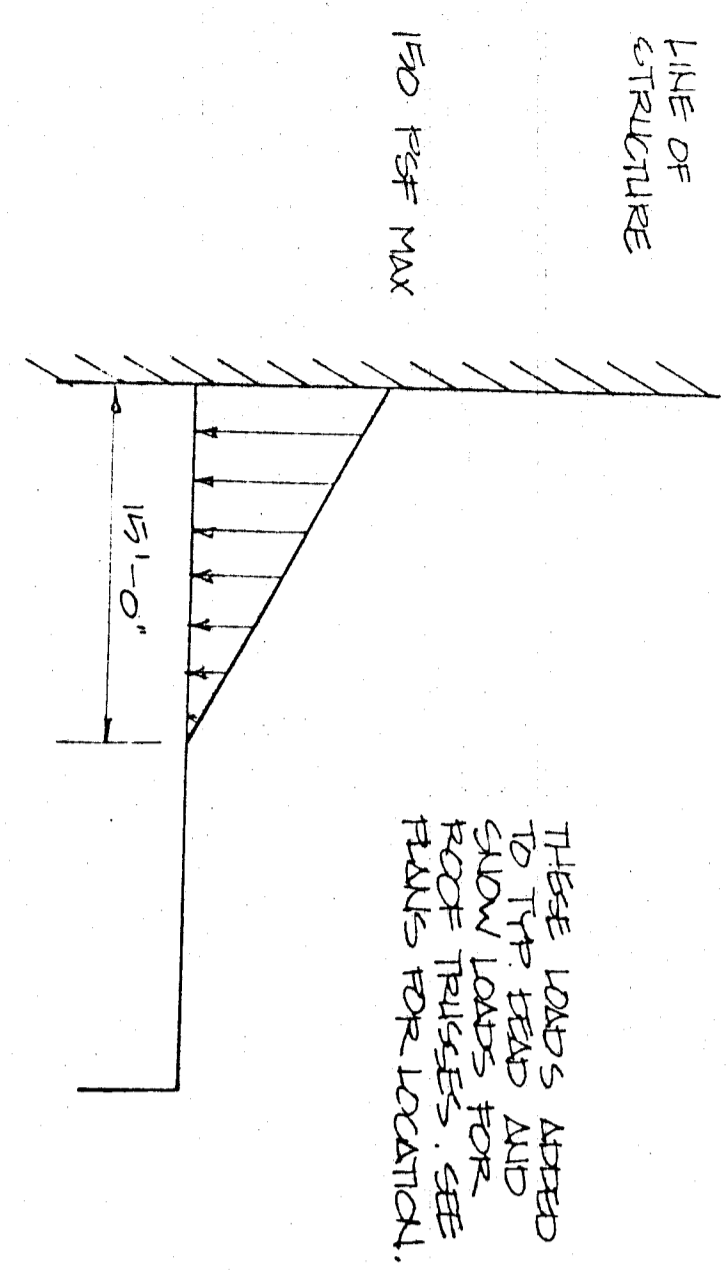
Building and
Company
126 W 15th Ave
Fairbanks, Alaska 99701

BOUNDARY WALLS SEE PLAN & ELEVATIONS FOR FINISHES & @ 16" O.C. IN FIELD



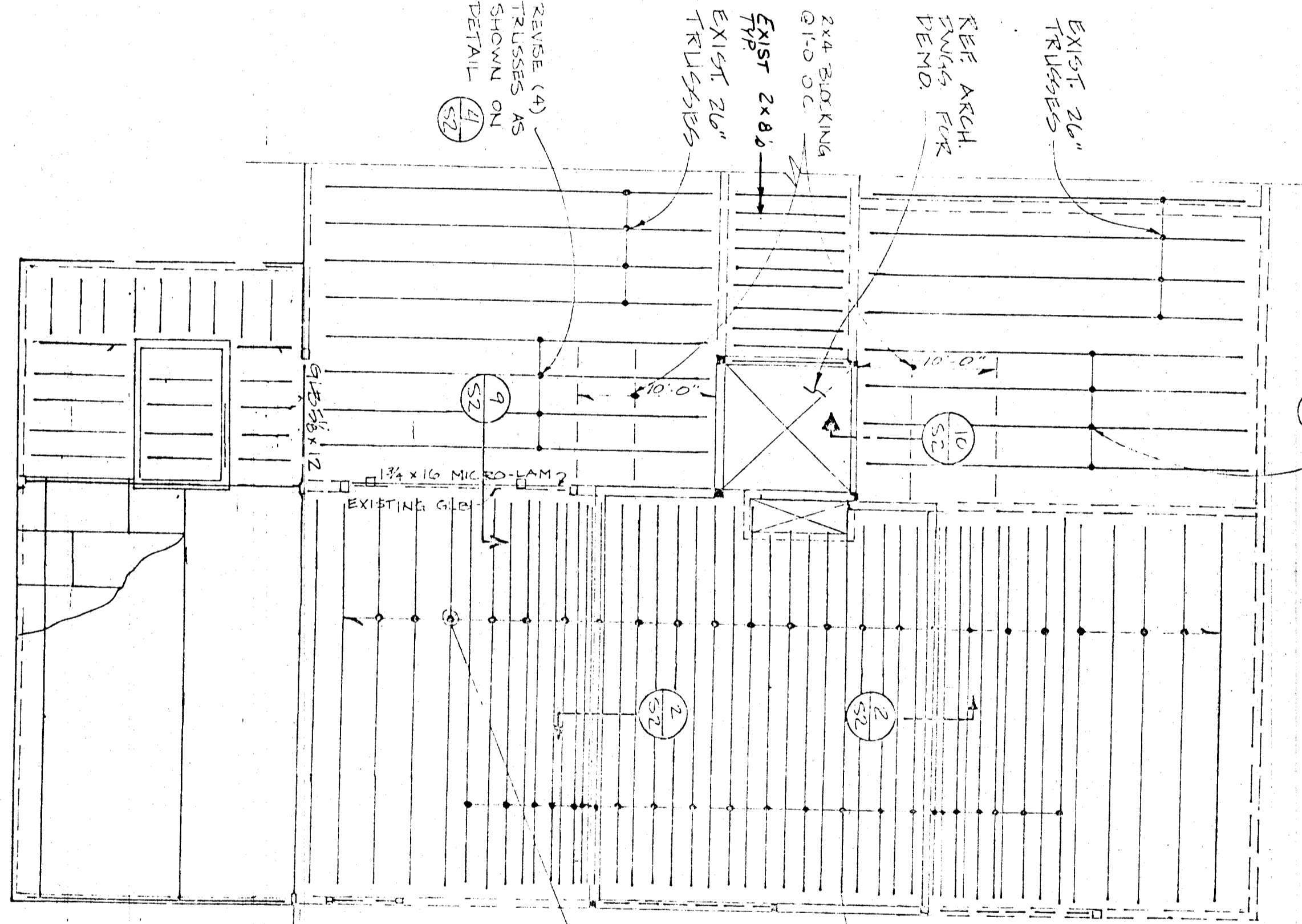
**HORIZONTAL PLAN**  
 1. STRIPES PLYWOOD JOISTS 4'-0"  
 2. WALLS @ ADJOINING PLYWOOD EDGES MUST REPERATE THE SAME PILE OF PLYWOOD  
 3. FINISH SHALL BE FLECKED UNIFORMITY (SEE ELEV.)

**TYPICAL PLYWOOD NAILING**



THESE LOADS ARE TO BE APPLIED TO PLYWOOD SHEATHING FOR LOADS FOR LOCAL.

**TYP. SNOW DRIFT LOADING** (2)



REVISE (2) TRUSSES AS SHOWN IN CU DETAIL

SEE FOR PENTHOUSE ROOF PLAN

**ROOF & PENTHOUSE FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE TIMBER CONSTRUCTION STANDARDS OF THE NATIONAL INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL ASSOCIATION OF LUMBER MANUFACTURERS. THE FASTENINGS OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
2. WEATHERING:
  - a. SAWN LUMBER AND TIMBER:
    - 1. GRADE: UNKIMMATED TIMBER: NO. 2
    - 2. SPECIES: HEM-FIR
  - b. SPECIES: HEM-FIR
  - c. GRADE: UNKIMMATED TIMBER: NO. 2
  - d. SPECIES: HEM-FIR
  - e. GRADE: UNKIMMATED TIMBER: NO. 2
  - f. SPECIES: HEM-FIR
  - g. GRADE: UNKIMMATED TIMBER: NO. 2
  - h. SPECIES: HEM-FIR
  - i. GRADE: UNKIMMATED TIMBER: NO. 2
  - j. SPECIES: HEM-FIR
  - k. GRADE: UNKIMMATED TIMBER: NO. 2
  - l. SPECIES: HEM-FIR
  - m. GRADE: UNKIMMATED TIMBER: NO. 2
  - n. SPECIES: HEM-FIR
  - o. GRADE: UNKIMMATED TIMBER: NO. 2
  - p. SPECIES: HEM-FIR
  - q. GRADE: UNKIMMATED TIMBER: NO. 2
  - r. SPECIES: HEM-FIR
  - s. GRADE: UNKIMMATED TIMBER: NO. 2
  - t. SPECIES: HEM-FIR
  - u. GRADE: UNKIMMATED TIMBER: NO. 2
  - v. SPECIES: HEM-FIR
  - w. GRADE: UNKIMMATED TIMBER: NO. 2
  - x. SPECIES: HEM-FIR
  - y. GRADE: UNKIMMATED TIMBER: NO. 2
  - z. SPECIES: HEM-FIR

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE TIMBER CONSTRUCTION STANDARDS OF THE NATIONAL INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL ASSOCIATION OF LUMBER MANUFACTURERS. THE FASTENINGS OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
2. WEATHERING:
  - a. SAWN LUMBER AND TIMBER:
    - 1. GRADE: UNKIMMATED TIMBER: NO. 2
    - 2. SPECIES: HEM-FIR
  - b. SPECIES: HEM-FIR
  - c. GRADE: UNKIMMATED TIMBER: NO. 2
  - d. SPECIES: HEM-FIR
  - e. GRADE: UNKIMMATED TIMBER: NO. 2
  - f. SPECIES: HEM-FIR
  - g. GRADE: UNKIMMATED TIMBER: NO. 2
  - h. SPECIES: HEM-FIR
  - i. GRADE: UNKIMMATED TIMBER: NO. 2
  - j. SPECIES: HEM-FIR
  - k. GRADE: UNKIMMATED TIMBER: NO. 2
  - l. SPECIES: HEM-FIR
  - m. GRADE: UNKIMMATED TIMBER: NO. 2
  - n. SPECIES: HEM-FIR
  - o. GRADE: UNKIMMATED TIMBER: NO. 2
  - p. SPECIES: HEM-FIR
  - q. GRADE: UNKIMMATED TIMBER: NO. 2
  - r. SPECIES: HEM-FIR
  - s. GRADE: UNKIMMATED TIMBER: NO. 2
  - t. SPECIES: HEM-FIR
  - u. GRADE: UNKIMMATED TIMBER: NO. 2
  - v. SPECIES: HEM-FIR
  - w. GRADE: UNKIMMATED TIMBER: NO. 2
  - x. SPECIES: HEM-FIR
  - y. GRADE: UNKIMMATED TIMBER: NO. 2
  - z. SPECIES: HEM-FIR

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE TIMBER CONSTRUCTION STANDARDS OF THE NATIONAL INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL ASSOCIATION OF LUMBER MANUFACTURERS. THE FASTENINGS OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
2. WEATHERING:
  - a. SAWN LUMBER AND TIMBER:
    - 1. GRADE: UNKIMMATED TIMBER: NO. 2
    - 2. SPECIES: HEM-FIR
  - b. SPECIES: HEM-FIR
  - c. GRADE: UNKIMMATED TIMBER: NO. 2
  - d. SPECIES: HEM-FIR
  - e. GRADE: UNKIMMATED TIMBER: NO. 2
  - f. SPECIES: HEM-FIR
  - g. GRADE: UNKIMMATED TIMBER: NO. 2
  - h. SPECIES: HEM-FIR
  - i. GRADE: UNKIMMATED TIMBER: NO. 2
  - j. SPECIES: HEM-FIR
  - k. GRADE: UNKIMMATED TIMBER: NO. 2
  - l. SPECIES: HEM-FIR
  - m. GRADE: UNKIMMATED TIMBER: NO. 2
  - n. SPECIES: HEM-FIR
  - o. GRADE: UNKIMMATED TIMBER: NO. 2
  - p. SPECIES: HEM-FIR
  - q. GRADE: UNKIMMATED TIMBER: NO. 2
  - r. SPECIES: HEM-FIR
  - s. GRADE: UNKIMMATED TIMBER: NO. 2
  - t. SPECIES: HEM-FIR
  - u. GRADE: UNKIMMATED TIMBER: NO. 2
  - v. SPECIES: HEM-FIR
  - w. GRADE: UNKIMMATED TIMBER: NO. 2
  - x. SPECIES: HEM-FIR
  - y. GRADE: UNKIMMATED TIMBER: NO. 2
  - z. SPECIES: HEM-FIR

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE TIMBER CONSTRUCTION STANDARDS OF THE NATIONAL INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL ASSOCIATION OF LUMBER MANUFACTURERS. THE FASTENINGS OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
2. WEATHERING:
  - a. SAWN LUMBER AND TIMBER:
    - 1. GRADE: UNKIMMATED TIMBER: NO. 2
    - 2. SPECIES: HEM-FIR
  - b. SPECIES: HEM-FIR
  - c. GRADE: UNKIMMATED TIMBER: NO. 2
  - d. SPECIES: HEM-FIR
  - e. GRADE: UNKIMMATED TIMBER: NO. 2
  - f. SPECIES: HEM-FIR
  - g. GRADE: UNKIMMATED TIMBER: NO. 2
  - h. SPECIES: HEM-FIR
  - i. GRADE: UNKIMMATED TIMBER: NO. 2
  - j. SPECIES: HEM-FIR
  - k. GRADE: UNKIMMATED TIMBER: NO. 2
  - l. SPECIES: HEM-FIR
  - m. GRADE: UNKIMMATED TIMBER: NO. 2
  - n. SPECIES: HEM-FIR
  - o. GRADE: UNKIMMATED TIMBER: NO. 2
  - p. SPECIES: HEM-FIR
  - q. GRADE: UNKIMMATED TIMBER: NO. 2
  - r. SPECIES: HEM-FIR
  - s. GRADE: UNKIMMATED TIMBER: NO. 2
  - t. SPECIES: HEM-FIR
  - u. GRADE: UNKIMMATED TIMBER: NO. 2
  - v. SPECIES: HEM-FIR
  - w. GRADE: UNKIMMATED TIMBER: NO. 2
  - x. SPECIES: HEM-FIR
  - y. GRADE: UNKIMMATED TIMBER: NO. 2
  - z. SPECIES: HEM-FIR

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE TIMBER CONSTRUCTION STANDARDS OF THE NATIONAL INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL ASSOCIATION OF LUMBER MANUFACTURERS. THE FASTENINGS OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
2. WEATHERING:
  - a. SAWN LUMBER AND TIMBER:
    - 1. GRADE: UNKIMMATED TIMBER: NO. 2
    - 2. SPECIES: HEM-FIR
  - b. SPECIES: HEM-FIR
  - c. GRADE: UNKIMMATED TIMBER: NO. 2
  - d. SPECIES: HEM-FIR
  - e. GRADE: UNKIMMATED TIMBER: NO. 2
  - f. SPECIES: HEM-FIR
  - g. GRADE: UNKIMMATED TIMBER: NO. 2
  - h. SPECIES: HEM-FIR
  - i. GRADE: UNKIMMATED TIMBER: NO. 2
  - j. SPECIES: HEM-FIR
  - k. GRADE: UNKIMMATED TIMBER: NO. 2
  - l. SPECIES: HEM-FIR
  - m. GRADE: UNKIMMATED TIMBER: NO. 2
  - n. SPECIES: HEM-FIR
  - o. GRADE: UNKIMMATED TIMBER: NO. 2
  - p. SPECIES: HEM-FIR
  - q. GRADE: UNKIMMATED TIMBER: NO. 2
  - r. SPECIES: HEM-FIR
  - s. GRADE: UNKIMMATED TIMBER: NO. 2
  - t. SPECIES: HEM-FIR
  - u. GRADE: UNKIMMATED TIMBER: NO. 2
  - v. SPECIES: HEM-FIR
  - w. GRADE: UNKIMMATED TIMBER: NO. 2
  - x. SPECIES: HEM-FIR
  - y. GRADE: UNKIMMATED TIMBER: NO. 2
  - z. SPECIES: HEM-FIR

1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE TIMBER CONSTRUCTION STANDARDS OF THE NATIONAL INSTITUTE OF TIMBER CONSTRUCTION AND THE NATIONAL ASSOCIATION OF LUMBER MANUFACTURERS. THE FASTENINGS OF THE NATIONAL FOREST PRODUCTS ASSOCIATION.
2. WEATHERING:
  - a. SAWN LUMBER AND TIMBER:
    - 1. GRADE: UNKIMMATED TIMBER: NO. 2
    - 2. SPECIES: HEM-FIR
  - b. SPECIES: HEM-FIR
  - c. GRADE: UNKIMMATED TIMBER: NO. 2
  - d. SPECIES: HEM-FIR
  - e. GRADE: UNKIMMATED TIMBER: NO. 2
  - f. SPECIES: HEM-FIR
  - g. GRADE: UNKIMMATED TIMBER: NO. 2
  - h. SPECIES: HEM-FIR
  - i. GRADE: UNKIMMATED TIMBER: NO. 2
  - j. SPECIES: HEM-FIR
  - k. GRADE: UNKIMMATED TIMBER: NO. 2
  - l. SPECIES: HEM-FIR
  - m. GRADE: UNKIMMATED TIMBER: NO. 2
  - n. SPECIES: HEM-FIR
  - o. GRADE: UNKIMMATED TIMBER: NO. 2
  - p. SPECIES: HEM-FIR
  - q. GRADE: UNKIMMATED TIMBER: NO. 2
  - r. SPECIES: HEM-FIR
  - s. GRADE: UNKIMMATED TIMBER: NO. 2
  - t. SPECIES: HEM-FIR
  - u. GRADE: UNKIMMATED TIMBER: NO. 2
  - v. SPECIES: HEM-FIR
  - w. GRADE: UNKIMMATED TIMBER: NO. 2
  - x. SPECIES: HEM-FIR
  - y. GRADE: UNKIMMATED TIMBER: NO. 2
  - z. SPECIES: HEM-FIR

job no. 88-06-C  
 drawn by: [Signature]  
 date: 4-08-91

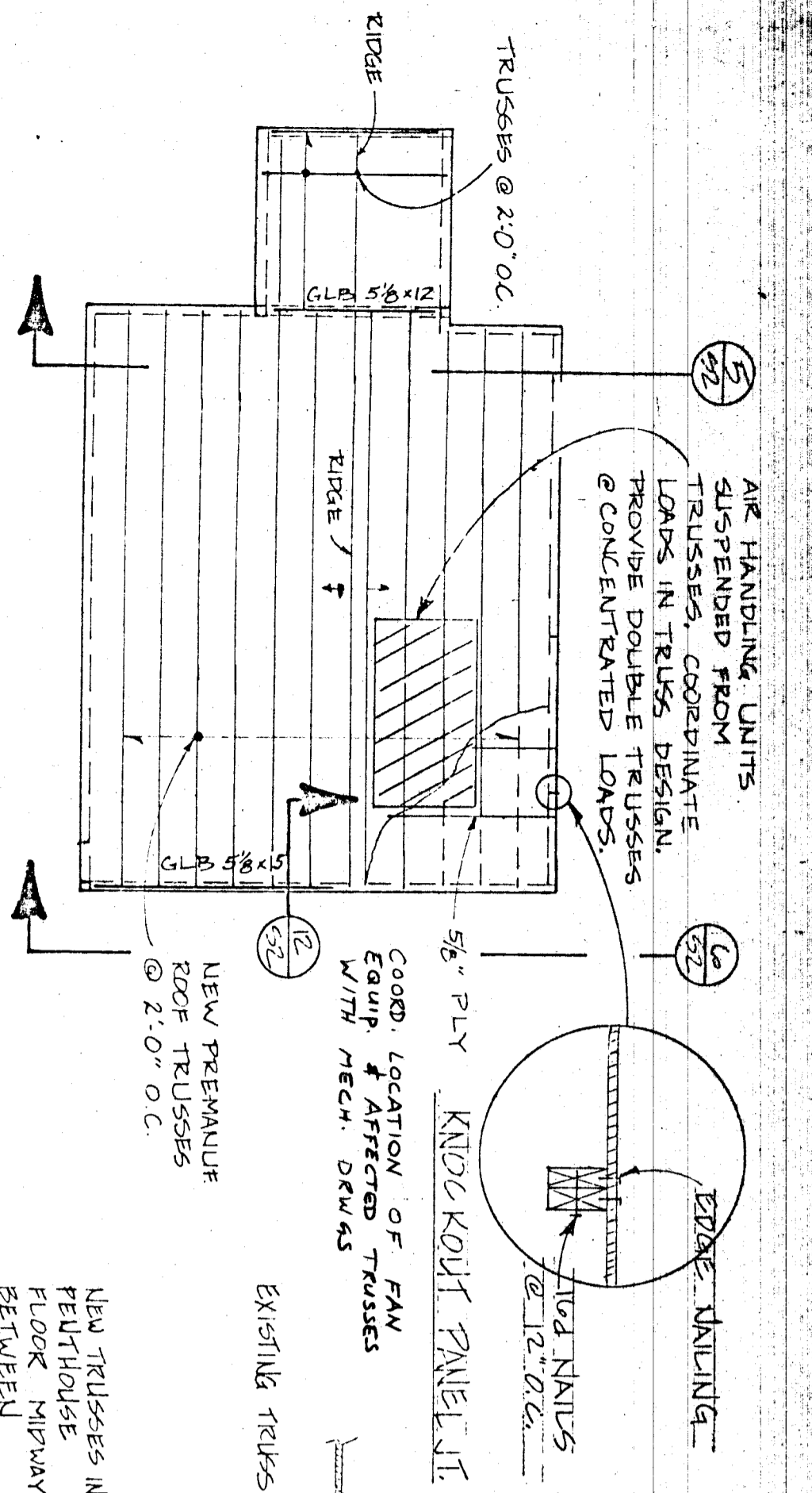
GENERAL CONTRACTOR  
 [Signature]

WRANGELL MIDDLE SCHOOL REMODEL  
 WRANGELL ALASKA

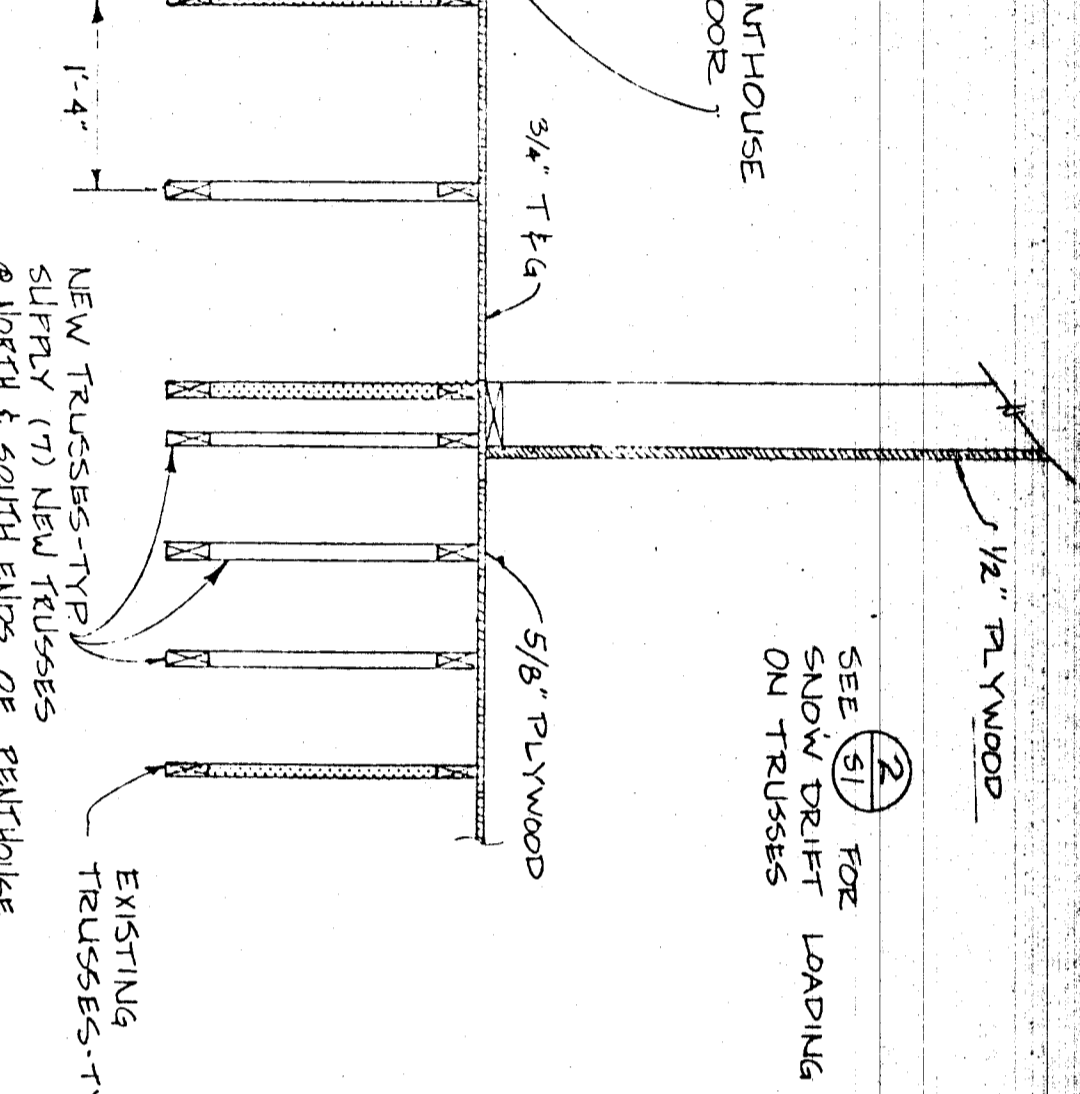
consultants:  
 COLLIS & DELLEY  
 Consulting Structural Engineers

architecture - planning  
 paper 7309 Fairbanks, Alaska

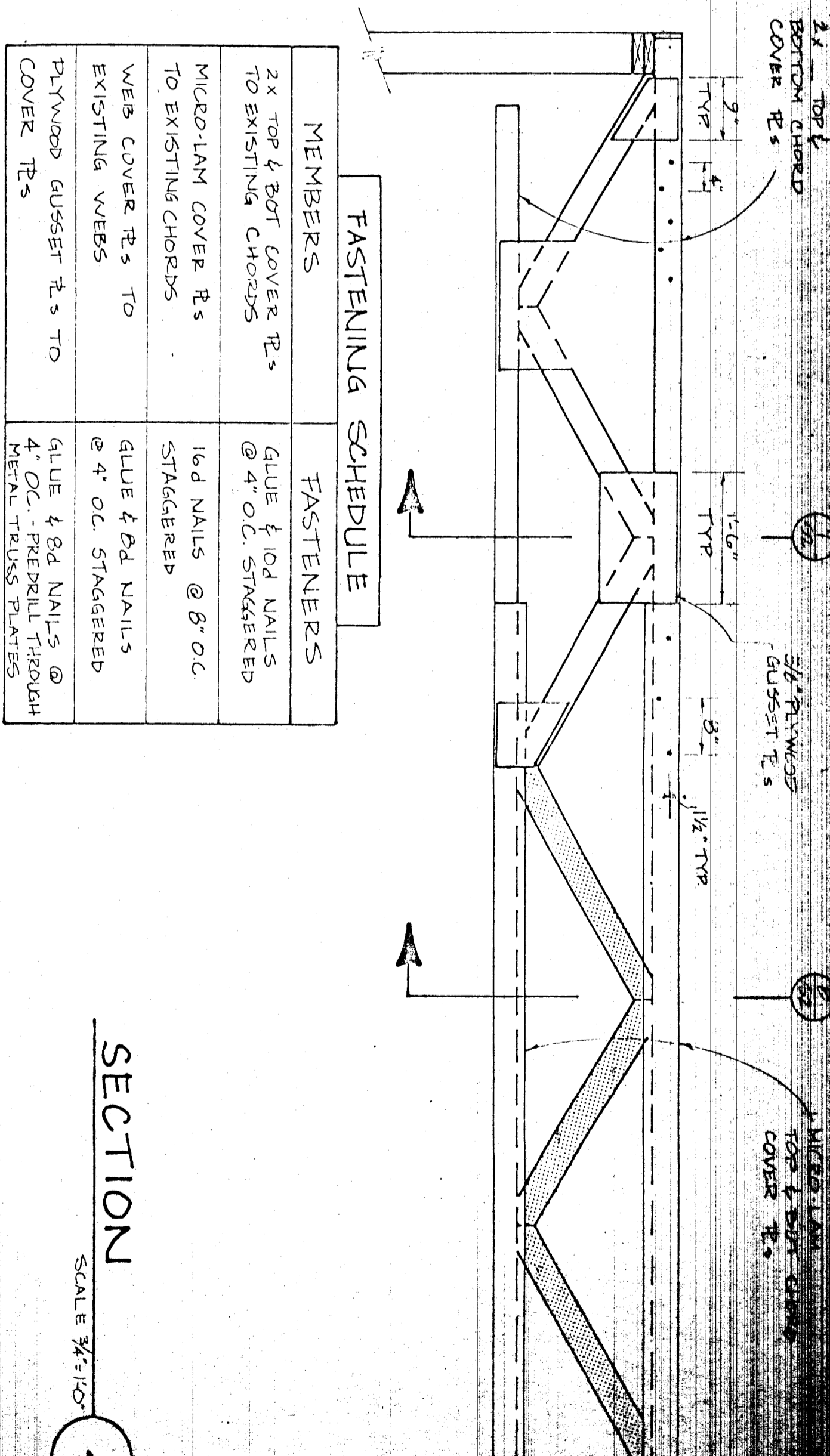
[Signature]



PENTHOUSE ROOF PLAN 1  
SCALE 1/8" = 1'-0"

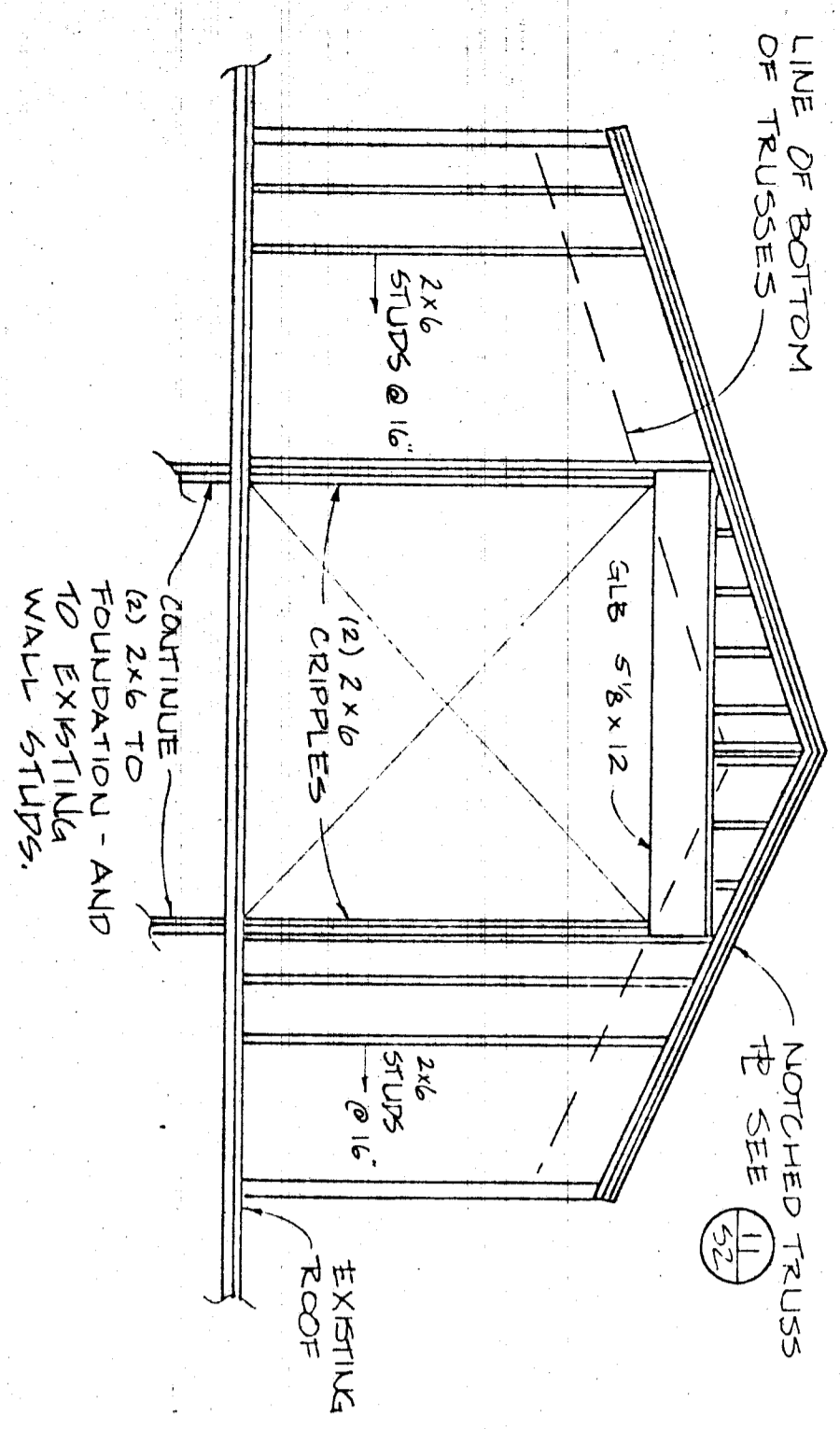


SECTION 2  
SCALE 3/4" = 1'-0"

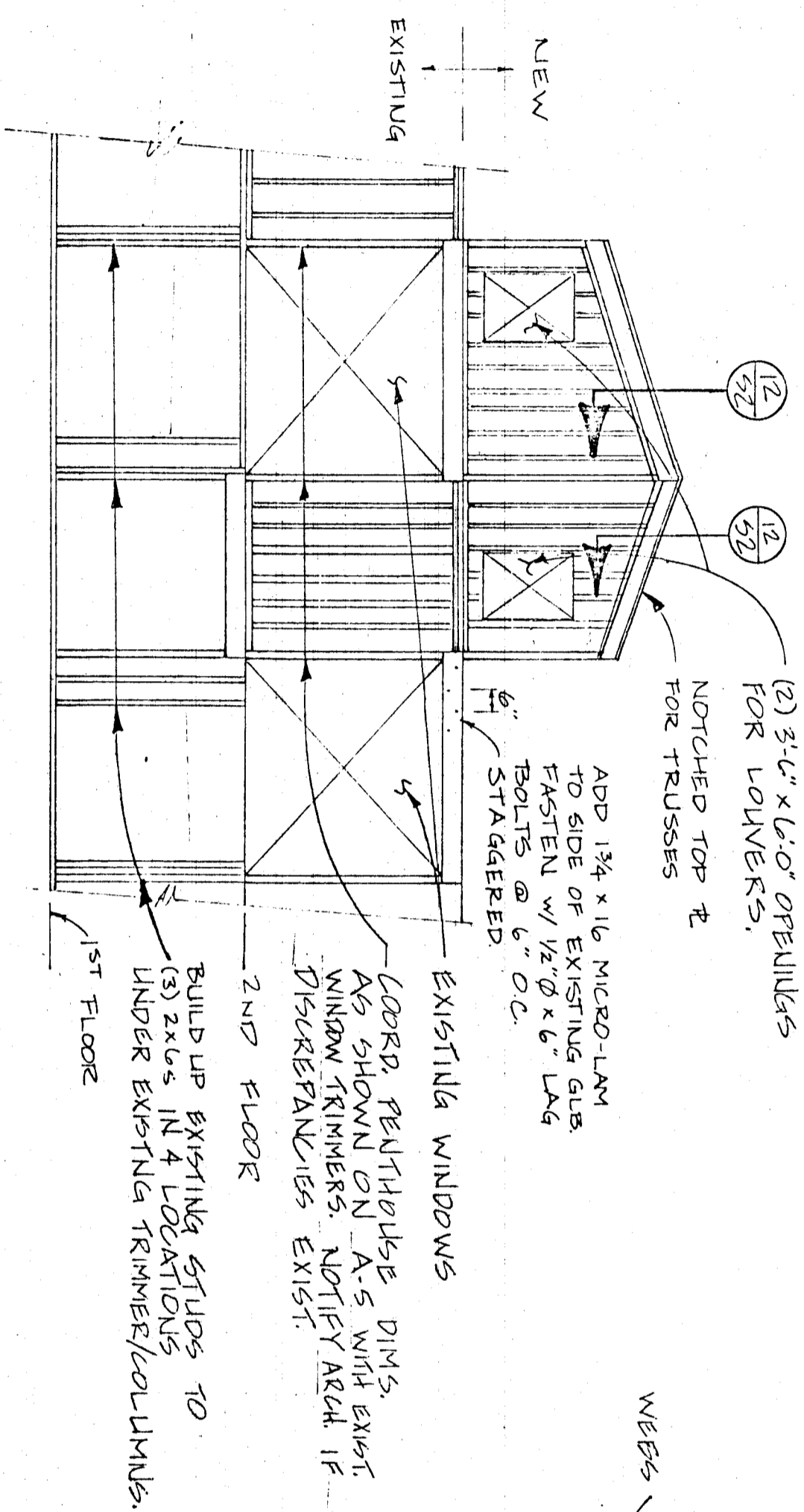


MEMBERS	FASTENERS
2" TOP & BOT COVER TR.'s	GLUE & 10d NAILS @ 4" O.C. STAGGERED
MICRO-LAM COVER TR.'s	16d NAILS @ 8" O.C. STAGGERED
WEB COVER TR.'s TO EXISTING WEBS	GLUE & 10d NAILS @ 4" O.C. STAGGERED
PLYWOOD GUSSET TR.'s TO COVER TR.'s	GLUE & 8d NAILS @ 4" O.C. PERPEND. THROUGH METAL TRUSS PLATES

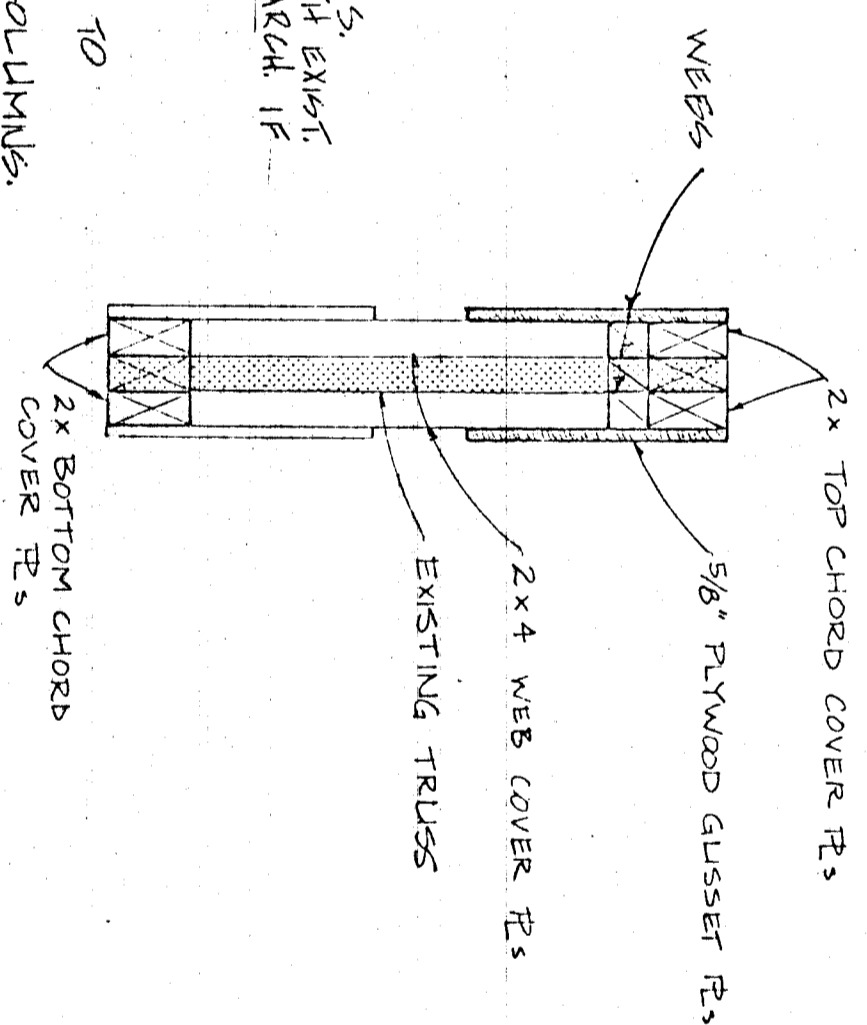
SECTION 4  
SCALE 3/4" = 1'-0"



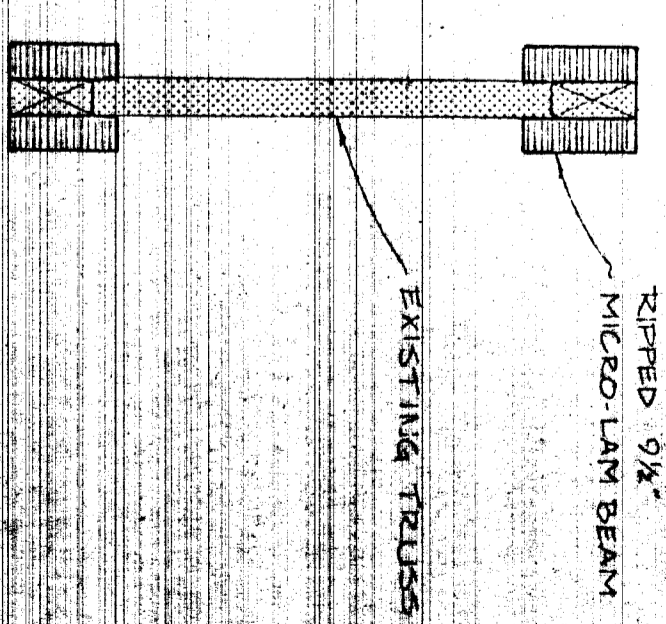
ELEVATION 5  
SCALE 1/4" = 1'-0"



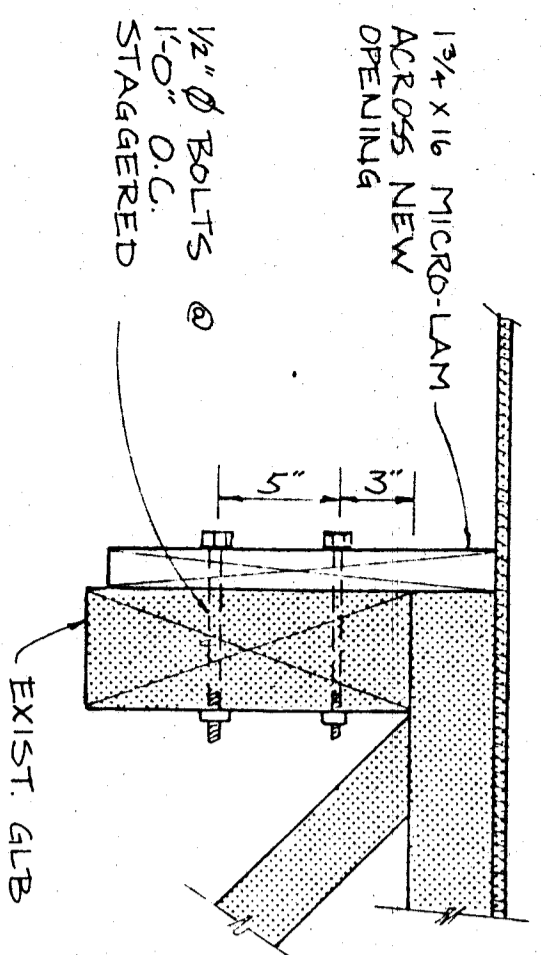
ELEVATION 6  
SCALE 1/8" = 1'-0"



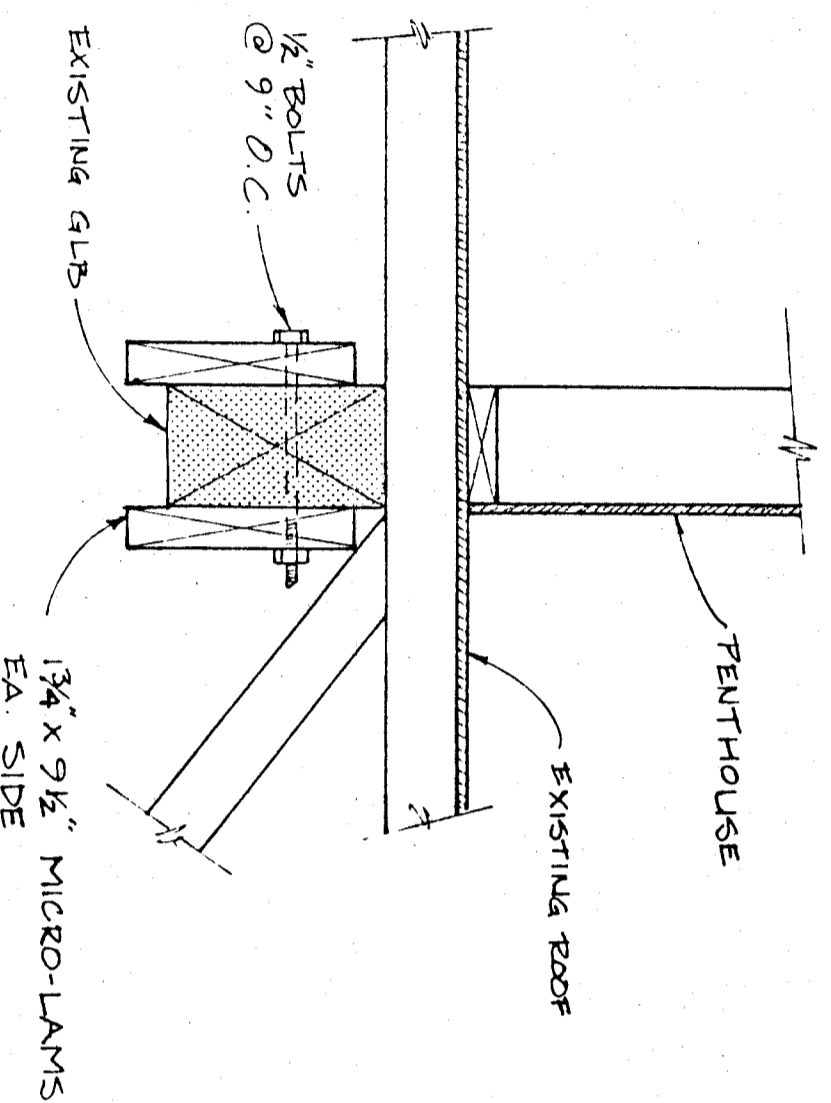
SECTION 7  
SCALE 1/2" = 1'-0"



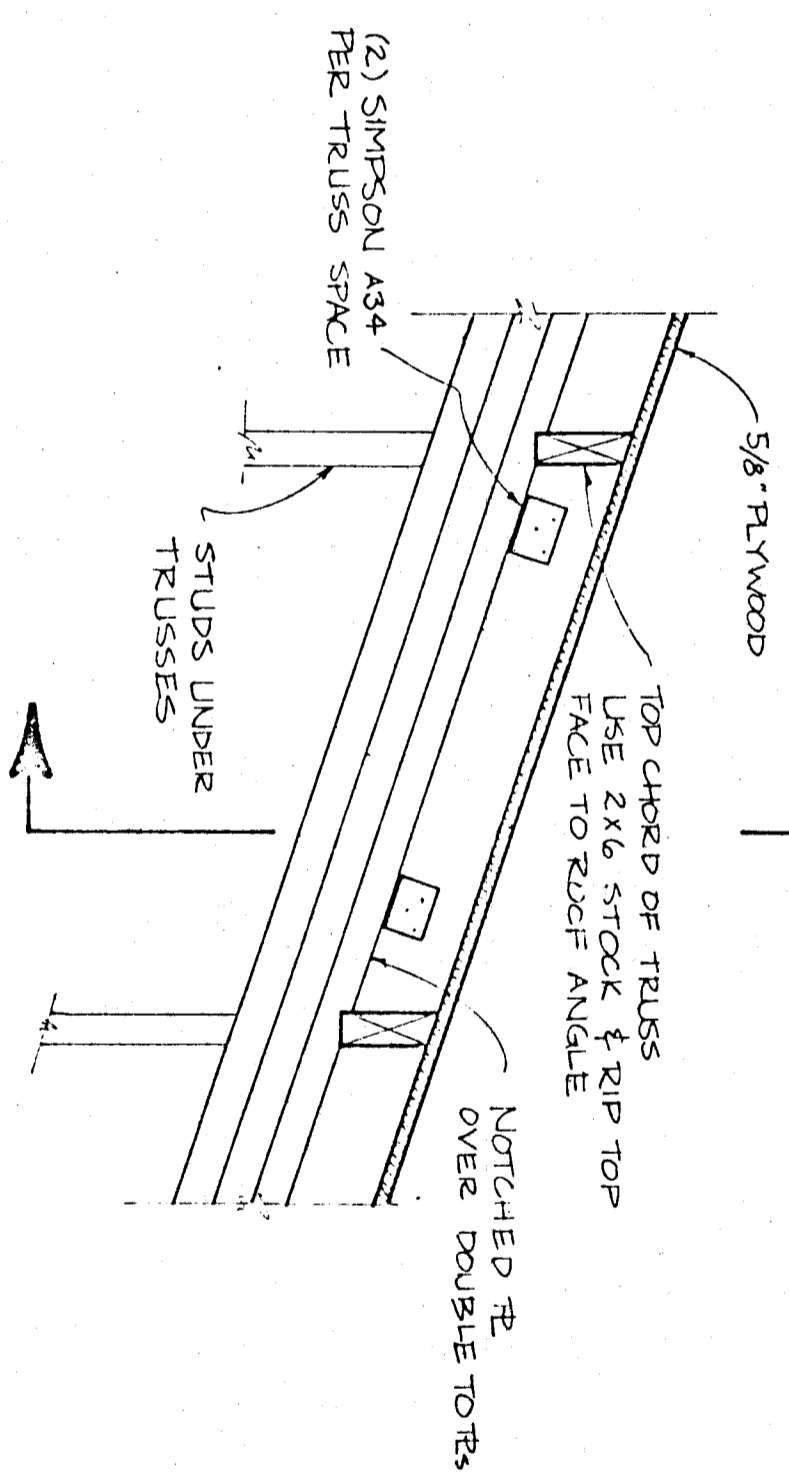
SECTION 8  
SCALE 1/4" = 1'-0"



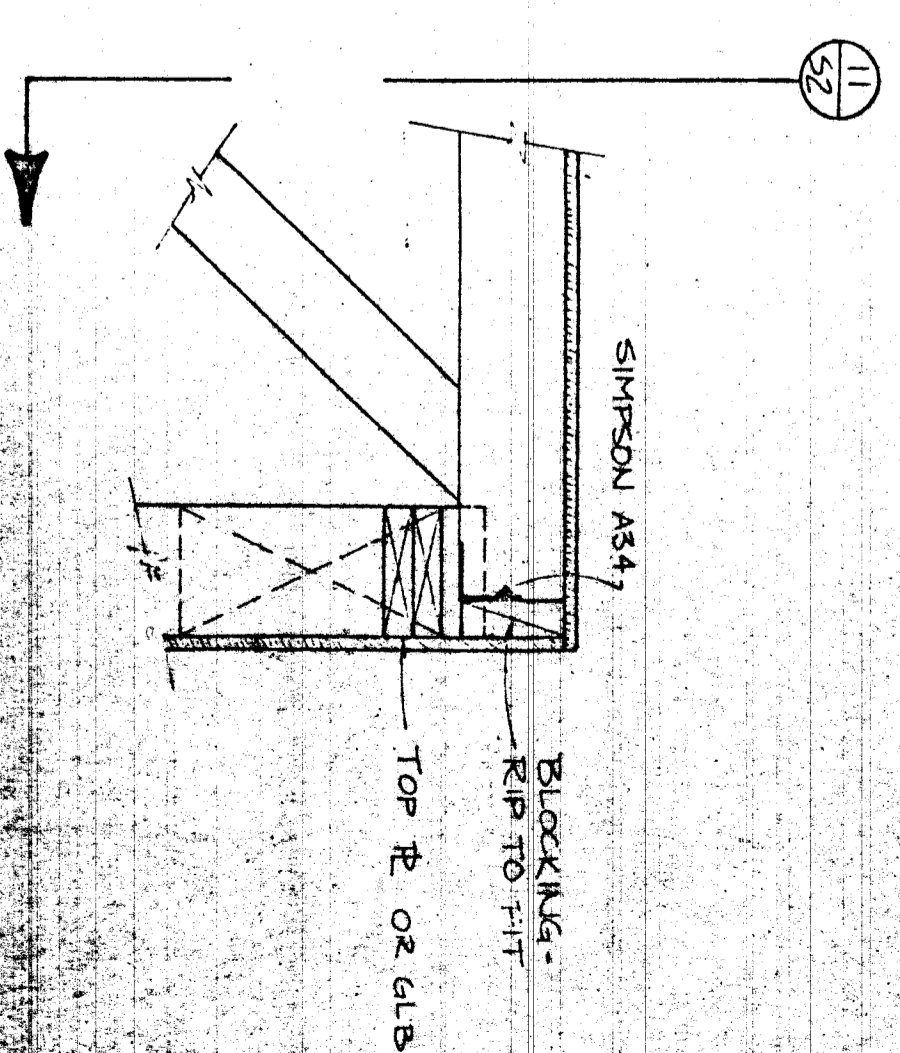
SECTION 9  
SCALE 1/2" = 1'-0"



SECTION 10  
SCALE 1/2" = 1'-0"



SECTION 11  
SCALE 1/2" = 1'-0"



SECTION 12  
SCALE 1/2" = 1'-0"

consultants:  
LOTTUS & PEARSON INC.  
General Contractor  
p.o. box 73209 Fairbanks Alaska

James R. Peltier

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA

PHASE II

job no. 88-0616  
drawn by J.L.C.  
date 4-26-91

SECTIONS AND DETAILS

### MECHANICAL SYMBOL LEGEND

SYMBOL	ABBR.	DESCRIPTION	SYMBOL	ABBR.	DESCRIPTION
	1R/2	DUCT (1ST FLOOR, SEE SHOW 2ND FLOOR, SEE NOT SHOWN)		CM	DOMESTIC COLD WATER
		DUCT WITH SOUNDPROOFING LISTED DIMENSIONS ARE INSIDE CLEAR		HM	DOMESTIC HOT WATER
		DUCT WITH RIGID INSULATION		HMC	DOMESTIC HOT WATER CIRCULATING
	VD	VOLUME DAMPER		V	VENT
	FD	FIRE DAMPER		VR	VENT REEF, VENT THRU ROOF
	S/O A/O/A	SUPPLY AIR OUTSIDE AIR DUCT		SW	SOIL WASTE
	R/A E/A	RETURN AIR EXHAUST AIR DUCT		WA	WATER HAMMER ARRESTOR
		ROUND DUCT		TP	TRAP PRIMER
		ROUNDED ELBOW		FD	FLOOR DRAIN
		ROUNDED BRANCHED DUCT		F.C.O.	FLOOR CLEAN-OUT
		FLEXIBLE DUCT CONNECTION		F.A.	FIRE ALARM
	LD	LINEAR DIFFUSER		GI	GATE OR ISOLATION VALVE
	RD-100	RECTANGULAR SUPPLY AIR DIFFUSER NOTE: DIMENSIONS INDICATE NUMBER AND DIRECTION OF THROU		CV	CHECK VALVE
		BACKBOARD RADIATION		2-WAY	2-WAY CONTROL VALVE
		UNIT HEATER, PLUMB		3-WAY	3-WAY CONTROL VALVE
		CABINET UNIT HEATER, PLUMB		PRV	PRESSING / TEMPERATURE RELIEF VALVE
		DUCT COIL, PLUMB		SV	STRAINER WITH GATE VALVE AND HOSE ADAPTER ON BOTTOM
		HEATING/Temperature SENSOR SWITCH		DA	DRAIN, GATE VALVE WITH HOSE ADAPTER
				F.F.C.	FLEXIBLE FIRE CONNECTION UNION
				TH	THERMOSTAT
				AV	AUTOMATIC AIR VENT WITH ISOLATION VALVE
				HWS	HEATING WATER SUPPLY
				HWR	HEATING WATER RETURN
				3	SHEET NOTE REFERENCE
				4	GENERAL SHEET NOTE
				CP-1	EQUIPMENT DESIGNATION, SEE EQUIPMENT LIST
				BB-1	HYDRANT TERMINAL UNIT DESIGNATION
				BB-1 10, 2, 3	LIGHT OR LOCAL FEET (L)

#### ABBREVIATIONS

EX. TIL	EXISTING TERMINAL UNIT
TYPE	TYPICAL
ESST.	EXISTING
N/W	WITH
(S)	EXISTING

NOTE: SYMBOLS SHOWN IN HEAVY LINES INDICATE NEW.  
SYMBOLS SHOWN IN LIGHT LINES INDICATE EXISTING.  
VERTICAL SYMBOLS SHOWN IN LIGHT DASHED LINES INDICATE EXISTING TO BE REMOVED.

### PLUMBING FIXTURE CONNECTION SCHEDULE

DESIGNATIONS	FIXTURE DESCRIPTION	HW	CM	TRAP	WASTE	VENT
[F1-A]	WALL MOUNTED WATER CLOSET W/ FLUSH VALVE MOUNTING HEIGHT 1'4" TO TOP OF RIM.	-	1"	-	4"	2"
[F1-B]	WALL MOUNTED HANDICAPPED WATER CLOSET W/ FLUSH VALVE MOUNTING HEIGHT 16" TO TOP OF RIM.	-	1"	-	4"	2"
[F2-A]	WALL MOUNTED URINAL WITH FLUSH VALVE MOUNTING HEIGHT 24" TO TOP OF RIM.	-	3/4"	-	2"	1-1/2"
[F2-B]	WALL MOUNTED HANDICAPPED URINAL WITH FLUSH VALVE MOUNTING HEIGHT 17" TO TOP OF RIM.	-	3/4"	-	2"	1-1/2"
[F3-A]	WALL MOUNTED LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"
[F3-B]	WALL MOUNTED HANDICAPPED LAVATORY, INSULATE SUPPLIES AND WASTE.	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"
[F4]	KITCHEN SINK (ALTERNATE #2)	1/2"	1/2"	1-1/2"	2"	2"
[F5]	COUNTER SINK WITH BUBBLER (ALTERNATE #2)	1/2"	1/2"	1-1/2"	1-1/2"	1-1/2"
[F6]	FLOOR STANDING, WALL MOUNTED SERVICE SINK	3/4"	3/4"	3"	2"	2"
[F7]	DRINKING FOUNTAIN MOUNTING HEIGHT 40-3/4" TO SPOUT OUTLET	-	1/2"	1-1/2"	1-1/2"	1-1/2"
[F8]	HANDICAPPED DRINKING FOUNTAIN MOUNTING HEIGHT 28-3/4" TO SPOUT OUTLET	-	1/2"	1-1/2"	1-1/2"	1-1/2"
[FB-1]	HOSE BIBB, RECESSED, WITH HINGED AND LOCKED COVER.	-	3/4"	-	-	-
[FD-1]	FLOOR DRAIN WITH TRAP PRIMER	-	1/2"	2"	2"	1-1/2"
[RD-1]	ROOF DRAIN	-	-	-	5"	-



Professional Engineer  
1300 Second Street  
Juneau, Alaska

Consultants:

FRYER/PRESSLEY  
ENGINEERING, INC.  
CONSULTING ENGINEERS  
500 EAST 34TH, SUITE 300  
JUNEAU, ALASKA 99803  
907-581-1666

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA

MECHANICAL SYMBOL LEGEND &  
PLUMBING FIXTURE SCHEDULE

Job no. 088-88642  
drawn by MB/DF  
date 4/8/07

## DIFFUSER, REGISTER, GRILLE AND LOUVER SCHEDULE

DESCRIPTION	SA	SB	PA	PB
MAX. DELTA P.	0.1"	0.1"	0.02"	0.05"
MAX. NO.	30	30	25	30
OPPOSED BLADE FACE DAMPER	YES	YES	NO	NO
FIRE DAMPER	NO	YES	NO	YES
MATERIAL AND FINISH	ALUMINUM PAINTED WHITE	STEEL PAINTED WHITE	ALUMINUM PAINTED WHITE	STEEL PAINTED WHITE
DESCRIPTION	SQUARE SURFACE MOUNTED SURFACE AIR DIFFUSER	SQUARE SURFACE MOUNTED SURFACE AIR DIFFUSER	LAY IN CEILING MOUNTED, EGG GRILLE RETURN WITH 1/2" GRILLE	SQUARE SURFACE MOUNTED SURFACE AIR RETURN AIR GRILLE
MANUFACTURER AND MODEL	AMGOSTAT MODEL DM	AMGOSTAT MODEL 50M	AMGOSTAT MODEL GCL	TITUS MODEL PAF
DESIGNATION	TA	EA	EB	CA
MAX. DELTA P.	0.05"	0.1"	0.1"	0.025"
MAX. NO.	30	30	30	30
OPPOSED BLADE FACE DAMPER	NO	YES	YES	NO
FIRE DAMPER	YES	NO	YES	NO
MATERIAL AND FINISH	STEEL PAINTED WHITE	ALUMINUM PAINTED WHITE	STEEL PAINTED WHITE	ALUMINUM ANODIZED FINISH
DESCRIPTION	SQUARE SURFACE MOUNTED SURFACE AIR TRANSFER GRILLE	SQUARE SURFACE MOUNTED SURFACE AIR REGISTER	SQUARE SURFACE MOUNTED SURFACE AIR REGISTER	OUTSIDE AIR LOUVER & DEEP MODEL M
MANUFACTURER AND MODEL	TITUS MODEL PAF	TITUS MODEL PAF-AM	TITUS MODEL PAF	PERINI ARISTEAM MODEL M

## FIRE DAMPER SCHEDULE

DESCRIPTION	DUCT CONFIGURATION	MOUNTING	FRAME TYPE SEE NOTE 1	INSULATION SEE NOTE 2
FD-1	RECTANGULAR DUCT	CONCEALED DUCT	TYPE 2	CASE 2

- NOTES:
- REFERENCE SIAMONA FIRE DAMPER GUIDE, LATEST EDITION, FIGURE 4.
  - REFERENCE SIAMONA FIRE DAMPER GUIDE, LATEST EDITION, FIGURE 5.
  - ALL FIRE DAMPERS SHALL BE CUT OFF AIRSTREAM TYPE.
  - ALL OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH SIAMONA FIRE DAMPER GUIDE, LATEST EDITION, FIGURE 15.

## THERMOSTAT SCHEDULE

DESCRIPTION	DESCRIPTION
TA	SPACE THERMOSTAT SHALL MODULATE CONTROL VALVE TO MAINTAIN SETPOINT.
TA	SPACE THERMOSTAT SHALL CYCLE TERMINAL UNIT FAN TO MAINTAIN SETPOINT.
TA	SPECIAL FUNCTION AS INDICATED.

## MECHANICAL EQUIPMENT LIST

AHU-3	<p>HORIZONTAL DRAW THRU AIR HANDLING UNIT - 11,400 CFM @ 1.75" TSP, 7.5 HP, 280V/3PH/3WZ, MAX. SOUND POWER, 3RD OCTAVE - 62 dBA</p> <p>COOL. AIR SIDE:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">EAT</td> <td style="width: 10%;">55 F</td> <td style="width: 10%;">0.27 W.G.</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td>MAX. P.D.</td> <td>0.27 W.G.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>WATER SIDE:</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>RAV</td> <td>100 F</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>GRV</td> <td>17</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MBH</td> <td>255</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MAX. P.D.</td> <td>3 FT.</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>PROVIDE: THERMAACOUSTICAL LINING, INSPECTION ACCESS DOORS, V-FILTER MOUNTING BOX, SEISMICALLY RESTRAINED VIBRATION ISOLATORS.</p> <p>MANUFACTURER: PACEL A34 DWG1 FC.</p>	EAT	55 F	0.27 W.G.				MAX. P.D.	0.27 W.G.					WATER SIDE:						RAV	100 F					GRV	17					MBH	255					MAX. P.D.	3 FT.					
EAT	55 F	0.27 W.G.																																										
MAX. P.D.	0.27 W.G.																																											
WATER SIDE:																																												
RAV	100 F																																											
GRV	17																																											
MBH	255																																											
MAX. P.D.	3 FT.																																											
EF-1	<p>TOILET EXHAUST UTILITY FAN, 995 CFM, 0.75 IN. W.G., 1/2 HP, 280V/3PH/3WZ</p> <p>PROVIDE: VIBRATION ISOLATION</p> <p>MANUFACTURER: PACE LP# F</p>																																											
ST-1	<p>SOUND TRAP - IN LINE RECTANGULAR SOUND ATTENUATOR</p> <p>DUCT SIZE - 48"x36"</p> <p>MIN. 13 DB IN THE 3RD OCTAVE</p> <p>MAX. 37 TONN.</p> <p>MAX. 0.1" W.G. A.P.D.</p> <p>MANUFACTURER: INDUSTRIAL ACOUSTICS COMPANY, TYPE MS</p>																																											
ST-2	<p>SOUND TRAP - IN LINE RECTANGULAR SOUND ATTENUATOR</p> <p>DUCT SIZE - 36"x36"</p> <p>MIN. 13 DB IN THE 3RD OCTAVE</p> <p>MAX. 37 TONN.</p> <p>MAX. 0.025" W.G. A.P.D.</p> <p>MANUFACTURER: INDUSTRIAL ACOUSTICS COMPANY, TYPE MS</p>																																											
BB-1	<p>HYDRONIC BASEBOARD - 1000 BTU/H.F @ 170 DEG. F WMT, 65 EMT, 20 DEG. WTD, 3/4" COPPER TUBES, ALUMINUM FINS, 1 ROW, SLOPE TOP, 14 GAUGE STEEL ENCLOSURE, 12" ENCLOSURE HEIGHT, 18" MOUNTING HEIGHT.</p> <p>FACTORY APPLIED FINISH SHALL BE BAKED ENAMEL. CAPACITIES SHALL BE 80% CERTIFIED WITH WATER.</p> <p>PROVIDE: ALL NECESSARY HANGERS, TRIM PIECES AND ACCESS PANELS.</p> <p>MANUFACTURER: VALCOAN LINDENHOFER STYLE DB 804FC - 3.84" x 14.14" - 48</p>																																											
CONV-1	<p>CUSTOM HYDRONIC CONVERTER: 20.0 MBH @ 160 DEG. F EMT, 1.0 GPM, CAPACITIES SHALL BE WATER RATING, 3/4" COPPER TUBES, ALUMINUM FINS, WALL HANG ON FLOOR MOUNTED, FRONT OUTLET, 1/4 GAUGE STEEL.</p> <p>CUSTOM ENCLOSURE DIMENSIONS: 30" HEIGHT, 45" LENGTH, 18" DEPTH.</p> <p>PROVIDE: ALL NECESSARY HANGERS TRIM PIECES AND ACCESS PANELS.</p> <p>MANUFACTURER: VALCOAN</p>																																											
CONV-2	<p>CUSTOM HYDRONIC CONVERTER: 16.0 MBH @ 160 DEG. F EMT, 1.0 GPM, CAPACITIES SHALL BE WATER RATING, 3/4" COPPER TUBES, ALUMINUM FINS, WALL HANG ON FLOOR MOUNTED, FRONT OUTLET, 1/4 GAUGE STEEL.</p> <p>CUSTOM ENCLOSURE DIMENSIONS: 30" HEIGHT, 45" LENGTH, 18" DEPTH.</p> <p>PROVIDE: ALL NECESSARY HANGERS TRIM PIECES AND ACCESS PANELS.</p> <p>MANUFACTURER: VALCOAN</p>																																											
CONV-3	<p>HYDRONIC CONVERTER: 2.8 MBH @ 170 DEG. F WMT, 65 EMT, 20 DEG. WTD, 0.3 GPM, COPPER TUBES, ALUMINUM FINS, WALL HANG FRONT OUTLET, 1/4 GAUGE STEEL, 28" LENGTH, 6" DEPTH.</p> <p>PROVIDE: ALL NECESSARY HANGERS TRIM PIECES AND ACCESS PANELS.</p> <p>MANUFACTURER: TRANE TYPE 8M.</p>																																											
UH-1	<p>UNIT HEATER: CAPACITY AS INDICATED ON DRAWINGS @ 160 DEG. EMT, 60 EMT, 60 COPPER TUBES, ALUMINUM FINS, HORIZONTAL PROPELLER TYPE, 816 CFM, 120 HP, 280V/3PH/3WZ</p> <p>PROVIDE: VIBRATION ISOLATION, DISCHARGE LOUVERS, VANES AND FAN GUARD.</p> <p>MANUFACTURER: TRANE MODEL #69-3.</p>																																											
VF-1	<p>VENTILATION FAN: PROPELLER PANE, FAN, DIRECT DRIVE, SUPPLY AIR CONFIGURATION, 1500 CFM @ 0.4" TSP, 1/4 HP, 180V/1 PH/1 WZ, 4" FAN DIAMETER</p> <p>PROVIDE: FAN GUARD, VIBRATION ISOLATION.</p> <p>MANUFACTURER: PERINI MODEL #P102.</p>																																											

architectural  
and  
company

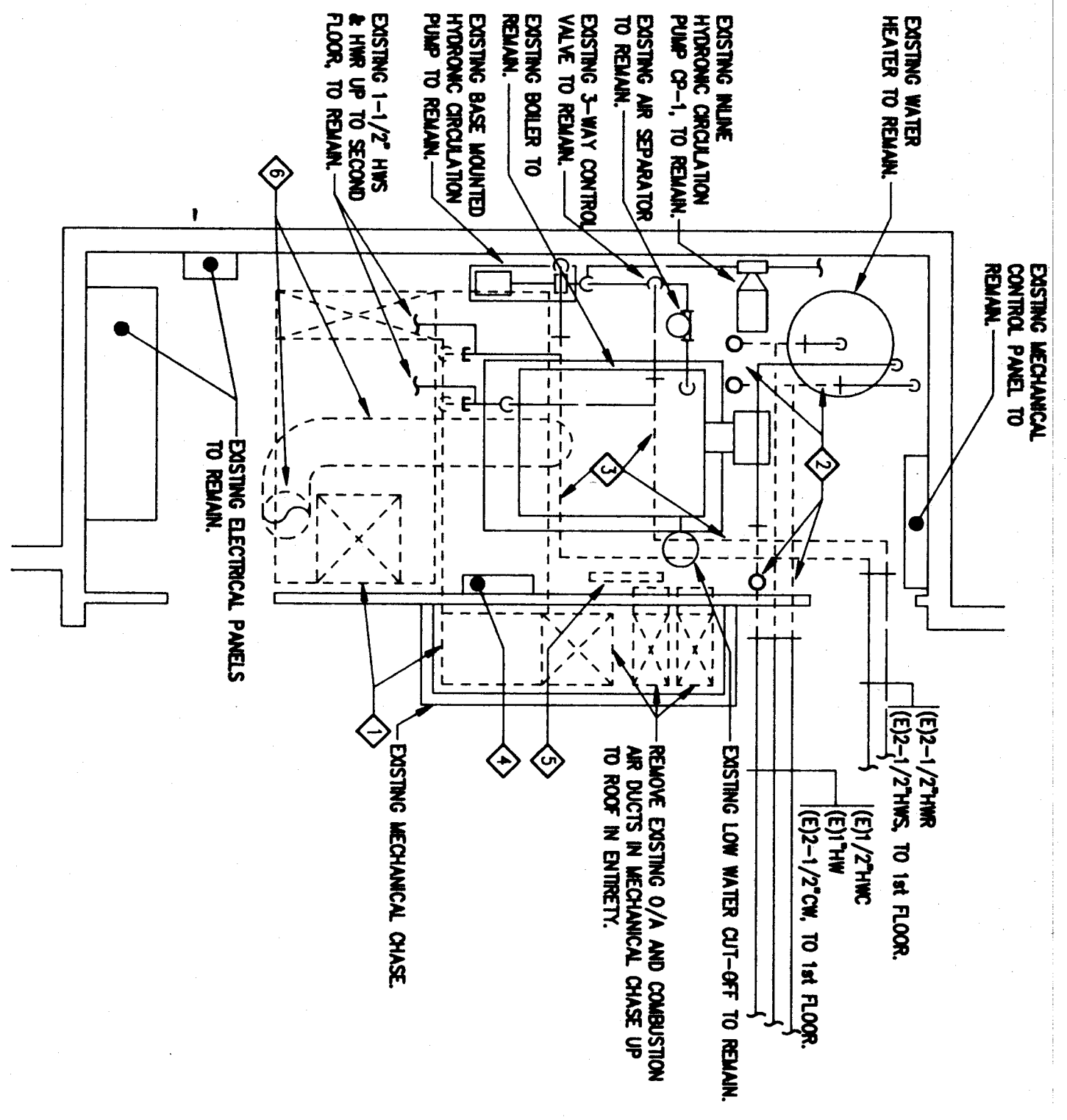
130 second street, suite 200  
Juneau, alaska 99801



consultants:  
FRYER/PRESSLEY  
ENGINEERING, INC.  
560 EAST 34TH STREET  
ANCHORAGE, AK 99503  
907-561-1888

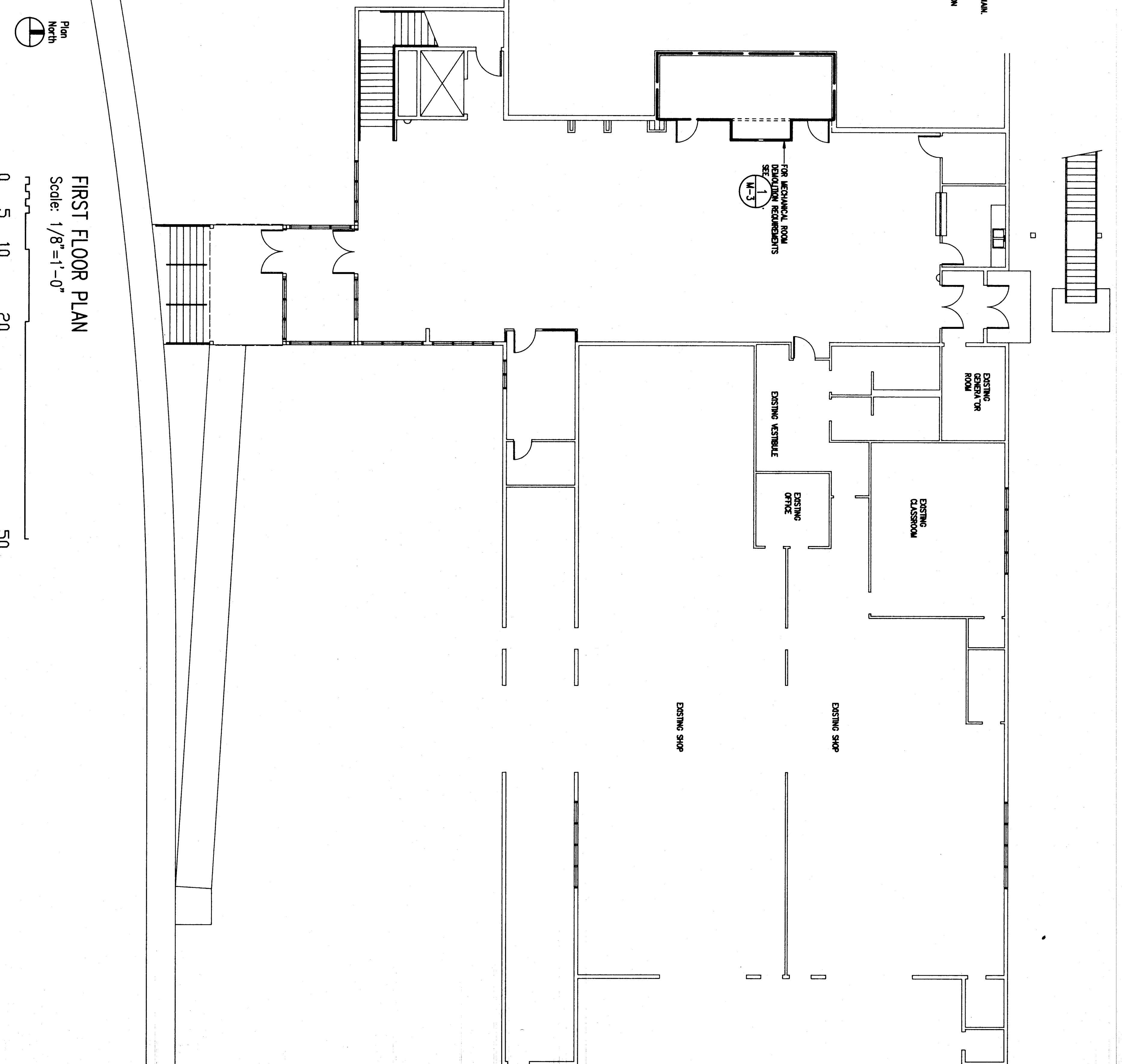
WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL  
ALASKA  
MECHANICAL  
EQUIPMENT LIST

job no. 088-18842  
drawn by BRM  
date 4/26/81



1 MECHANICAL ROOM - DEMOLITION PLAN  
M-3 1/4"=1'-0"

- SHEET NOTES**
- 1. REMOVE EXISTING AIR HANDLING UNIT IN ITS EXISTENT LOCATION OF 4 1/2' X 10' X 10'. CONTROL, EXISTING BRANCH PIPING, AIR FILTERS AND SERVICE AIR PIPING AND REMOVE EXISTING S/D DUCT CEILING PENETRATION PER ARCHITECTURAL PLAN AND HYDRAULIC BRANCH PIPING AT BAINS. EXISTING AIR HANDLING PAD SHALL REMAIN.
  - 2. REMOVE EXISTING DOMESTIC WATER PIPING AS REQUIRED TO RELOCATE 2-1/2" CW, 1-1/2" CW AND 7/8" CW TO SECOND FLOOR IN MECHANICAL CHASE. SEE (E-13), (E-14), (E-15) VERIFY EXIST CONDITIONS AND RECOMMENDS IN THE FIELD.
  - 3. REMOVE AND RELOCATE EXISTING HYDRAULIC PIPING AS REQUIRED PER ARCHITECTURAL PLAN AND VERIFY EXACT CONDITIONS AND RECOMMENDS IN THE FIELD.
  - 4. EXISTING MECHANICAL ROOM CONTROL PANEL TO REMAIN. RELOCATE PANEL AS REQUIRED FOR MECHANICAL CHASE. SEE (E-13) COORDINATE WITH OTHER DISCIPLINES. VERIFY EXACT CONDITIONS AND RECOMMENDS IN THE FIELD.
  - 5. EXISTING BRASS MAKE-UP WATER PRESSURE REDUCING STATION TO BE RELOCATED.
  - 6. REMOVE EXISTING 1 1/2" RUC IN BEMENT.
  - 7. STRIKE EXISTING AIR HANDLING UNIT LINE DIRECTED BY THE CONTRACTING OFFICER TO OTHER THAN OVER TO THE OWNER OR DEPOSE OF.



FIRST FLOOR PLAN  
Scale: 1/8"=1'-0"  
0 5 10 20 50

Charles  
bettsworth  
and  
company  
architecteure planning  
130 seward street, suite 205  
Juneau, alaska 99801



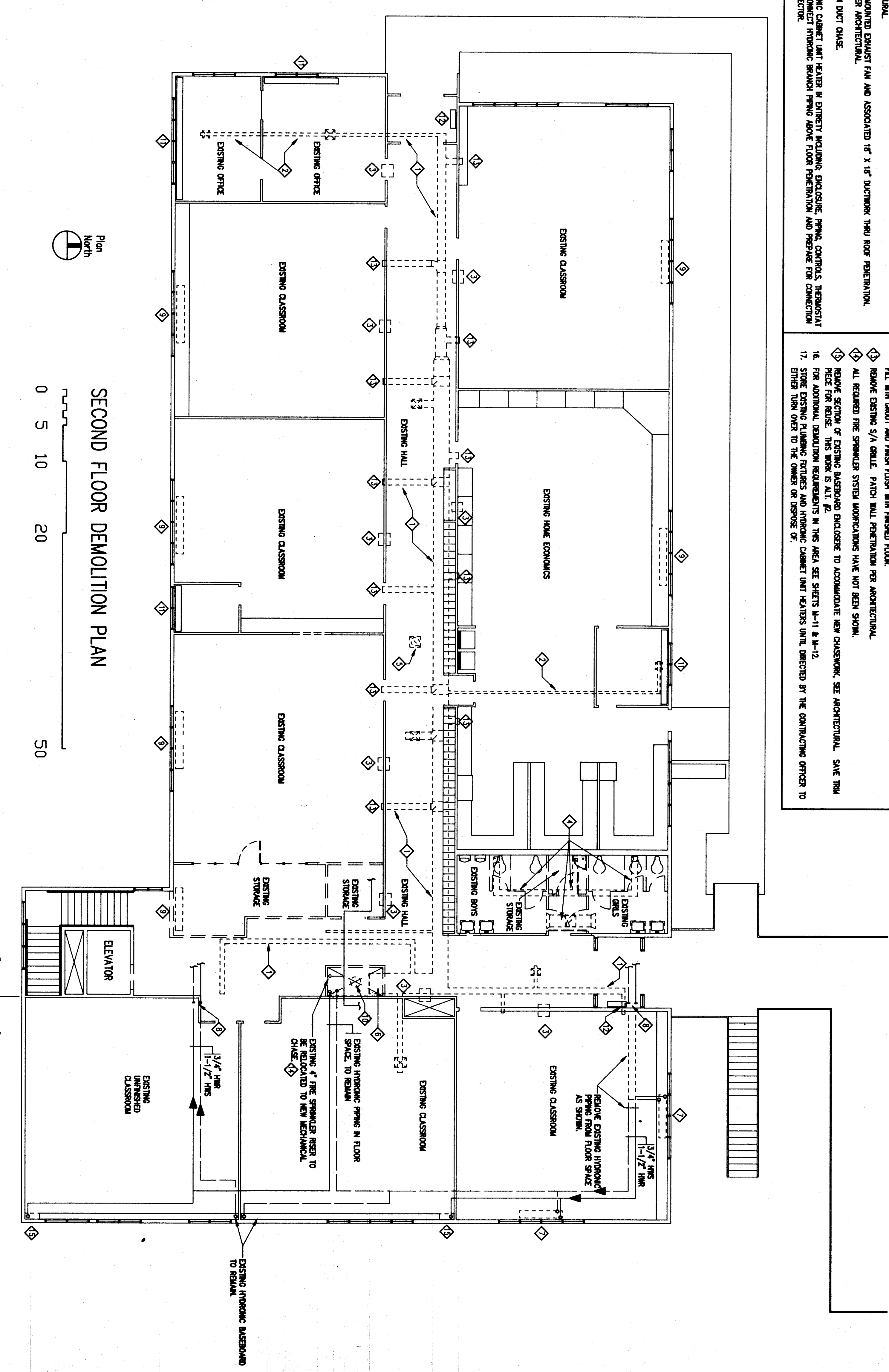
consultants:  
FRYER/PRESSLEY  
ENGINEERING, INC.  
CONSULTING ENGINEERS  
ANCHORAGE, AK 99503  
907-581-1666

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA  
FIRST FLOOR PLAN  
MECHANICAL - DEMOLITION

job no. C88-88042  
drawn by TB/BF  
date 4/08/91

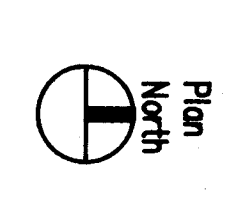
M-3

- SHEET NOTES**
- ◇ REMOVE ALL EXISTING MECHANICAL ROOMS, EXCEPT LABORATORY, CLEAN MECHANICAL, ALL HANGERS, BRANCH DUCTWORK, BRIDGES AND GRILLS. EXISTING CORRIDOR AIRFLOWS TO BE RELOCATED AND HANGERS, BRIDGES AND GRILLS, SEE ARCHITECTURAL.
  - ◇ REMOVE ALL EXISTING MECHANICAL ROOMS EXCEPT 2 X 4 LABORATORY, CLEAN MECHANICAL, ALL HANGERS, BRIDGES AND GRILLS. THE DUCT CEILING MAY BE REMOVED AND RE-INSTALLED AT THE CONTRACTOR'S OPTION. REMOVE DAMAGED CEILING TILES AND TILES WITH OPENINGS LEFT FROM EXISTING DUCT WORK, SEE ARCHITECTURAL.
  - ◇ REMOVE HANGERS, GRILLS AND DUCTWORK FROM CORRIDOR WILL REMOVAL. PATCH WALL PENETRATION PER ARCHITECTURAL.
  - ◇ REMOVE EXISTING TOILET EXHAUST SYSTEM INCLUDING DUCTWORK, HANGERS, GRILLS AND EXHAUST FAN. PATCH ROOF OPENING PER ARCHITECTURAL.
  - ◇ REMOVE EXISTING ROOF MOUNTED EXHAUST FAN AND ASSOCIATED 1" X 1" NETWORK FROM ROOF PENETRATION. PATCH ROOF OPENING PER ARCHITECTURAL.
  - ◇ REMOVE EXISTING FROM DUCT CHASE.
  - ◇ REMOVE EXISTING HANGERS, BRIDGES, GRILLS AND EXHAUST FAN. PATCH ROOF PENETRATION AND REMOVE FOR CONNECTION TO NEW HANGERS, BRIDGES AND GRILLS.
  - ◇ DISCONNECT AND DRAIN EXISTING HYDROIC PIPING BELOW SLAB, CAP AND ABANDON IN PLACE.
  - ◇ REMOVE EXISTING HYDROIC CABINET UNIT HEATERS IN EXHIBIT INCLUDING EXHIBIT, HANGERS, PIPING, CONTROLS, CONTROL AIR TRUNK, THERMOSTAT AND SENSORS. DISCONNECT AND CAP EXISTING HYDROIC BRANCH PIPING CONCEALED BELOW SLAB. FILL WITH GROUT AND FINISH FLOOR WITH FINISHED FLOOR.
  - ◇ EXISTING 1" x 1" FLOOR TO BE REMOVED IN EXHIBIT.
  - ◇ EXISTING HYDROIC BASEBOARD TO REMAIN, DISCONNECT AND CAP EXISTING HYDROIC BRANCH PIPING CONCEALED BELOW SLAB. FILL WITH GROUT AND FINISH FLOOR WITH FINISHED FLOOR.
  - ◇ EXISTING CABINET HEATERS TO REMAIN, DISCONNECT AND CAP EXISTING HYDROIC BRANCH PIPING CONCEALED BELOW SLAB. FILL WITH GROUT AND FINISH FLOOR WITH FINISHED FLOOR.
  - ◇ REMOVE EXISTING S/A GRILLE. PATCH WALL PENETRATION PER ARCHITECTURAL.
  - ◇ ALL REMOVED FIRE SPRINKLER SYSTEM MODIFICATIONS HAVE NOT BEEN SHOWN.
  - ◇ REMOVE SECTION OF EXISTING BASEBOARD EXHIBIT TO ACCOMMODATE NEW CABINET. SEE ARCHITECTURAL. SILE TRIM FEEL FOR ROSE. THIS WORK IS ALL 2.
  - ◇ FOR ADDITIONAL DEMOLITION REVISIONS IN THIS AREA, SEE SHEETS M-11 & M-12.
  - ◇ STONE EXISTING PLUMBING FIXTURES AND HYDROIC CABINET UNIT HEATERS UNITS DIRECTED BY THE CONTRACTOR OTHER TO OTHER THAN OVER TO THE OWNER OR DESPOSE OF.



**SECOND FLOOR DEMOLITION PLAN**

0 5 10 20 50



SLAB IN GRADE. SCHEDULED FLOOR CONTAINS MECH. BELOW.



**FRYER/PRESSLEY ENGINEERING, INC.**  
 CONSULTANTS:  
 ARCHITECTURE PLANNING  
 130 seaward street, suite 200  
 Juneau, alaska

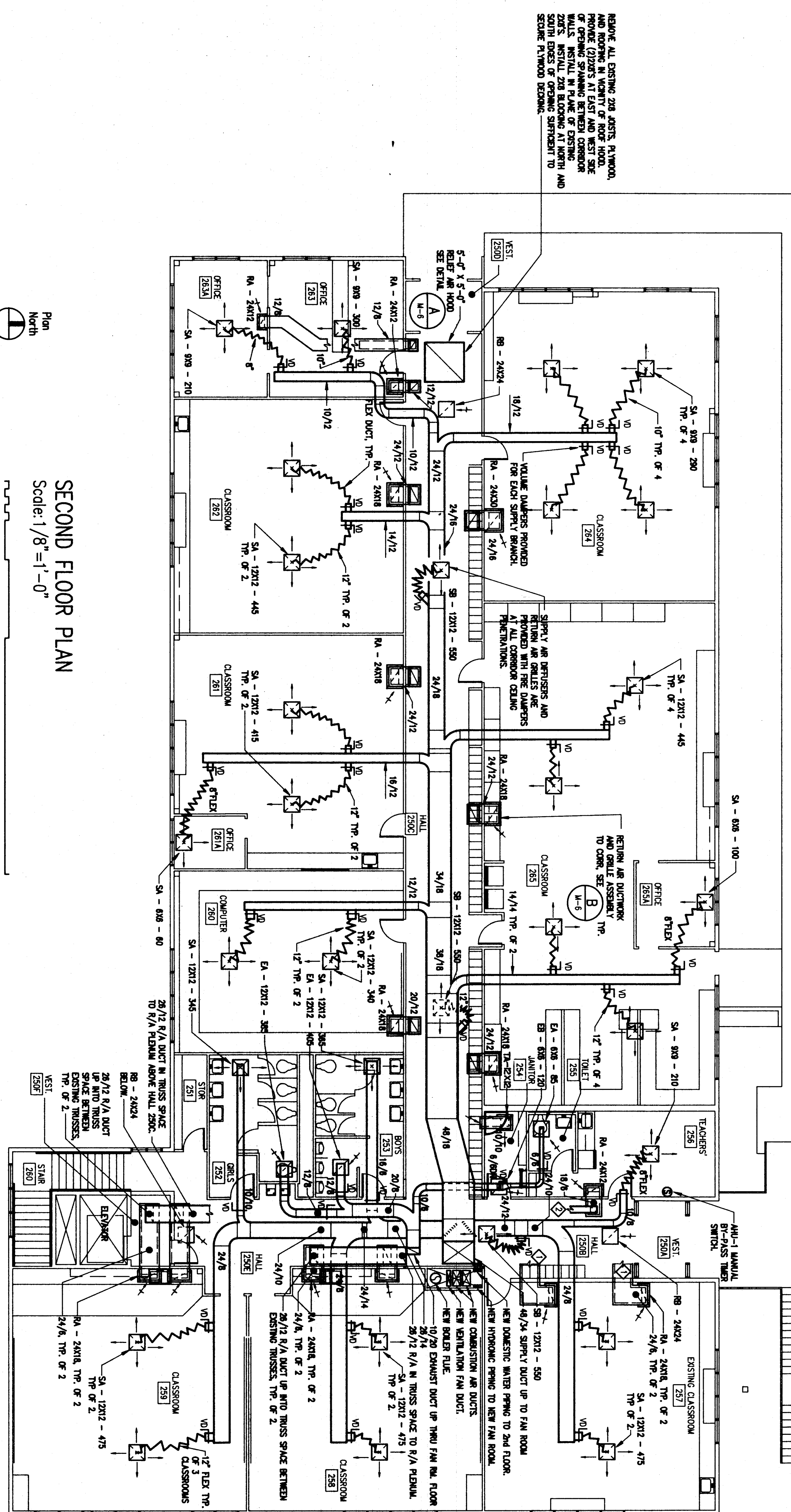
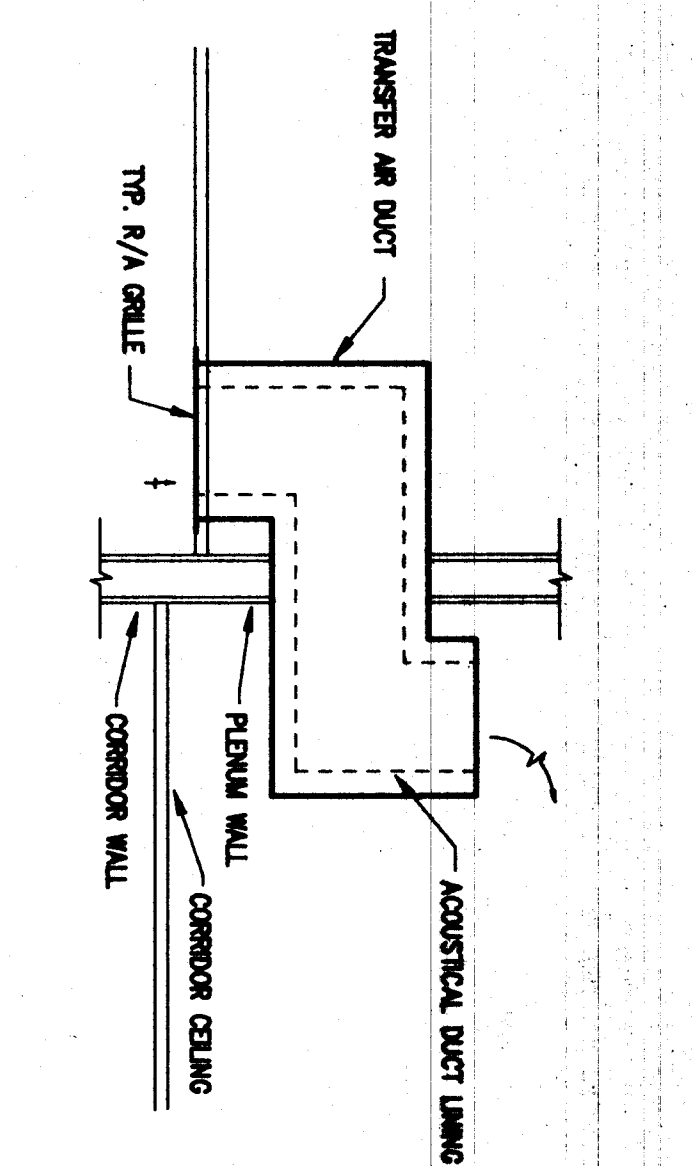
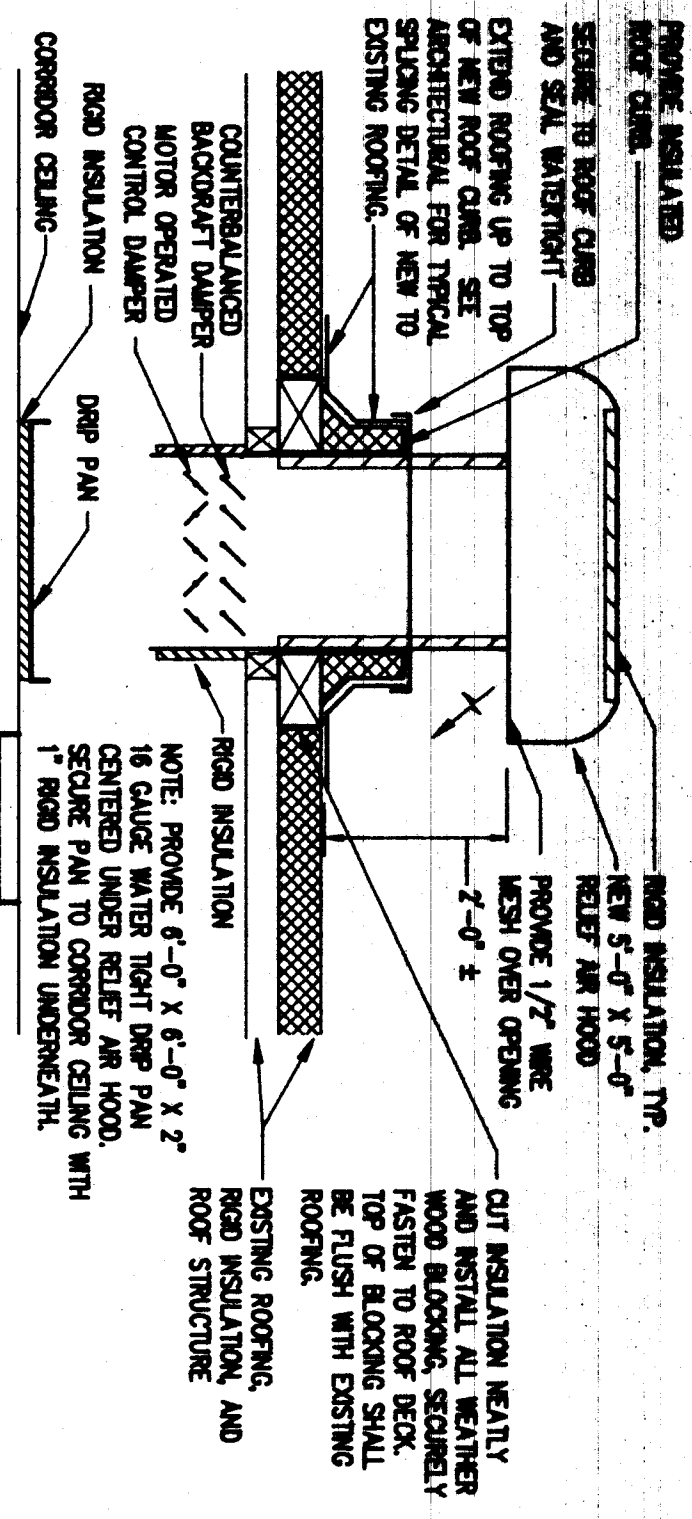
**WRANGELL MIDDLE SCHOOL REMODEL  
 WRANGELL ALASKA**

**SECOND FLOOR PLAN  
 MECHANICAL - DEMOLITION**

Job no. 088-3802  
 drawn by TR/RE  
 date 4/08/01

M-1

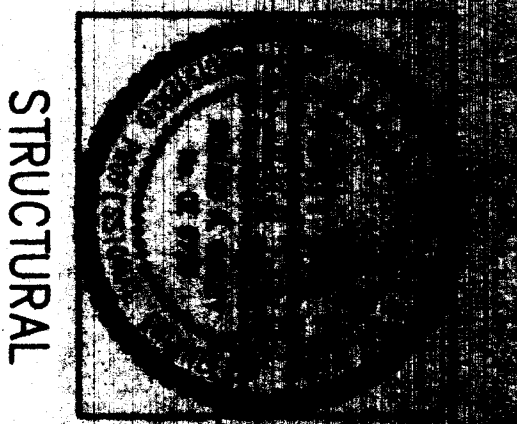




Plan North  
Scale: 1/8"=1'-0"  
0 5 10 20 50

**SHEET NOTES**

- ◆ R/A DUCTS TO 2x8 R/A DUCT IN TRUSS SPACE CONTAINING TO R/A RISER ABOVE HALL 250C. SIMILAR TO CLASSROOM 258.
- ◆ 10/0 R/A DUCT UP INTO TRUSS SPACE BETWEEN EXISTING TRUSSES. 10/0 R/A DUCT CONTINUING TO R/A RISER ABOVE HALL 250C.

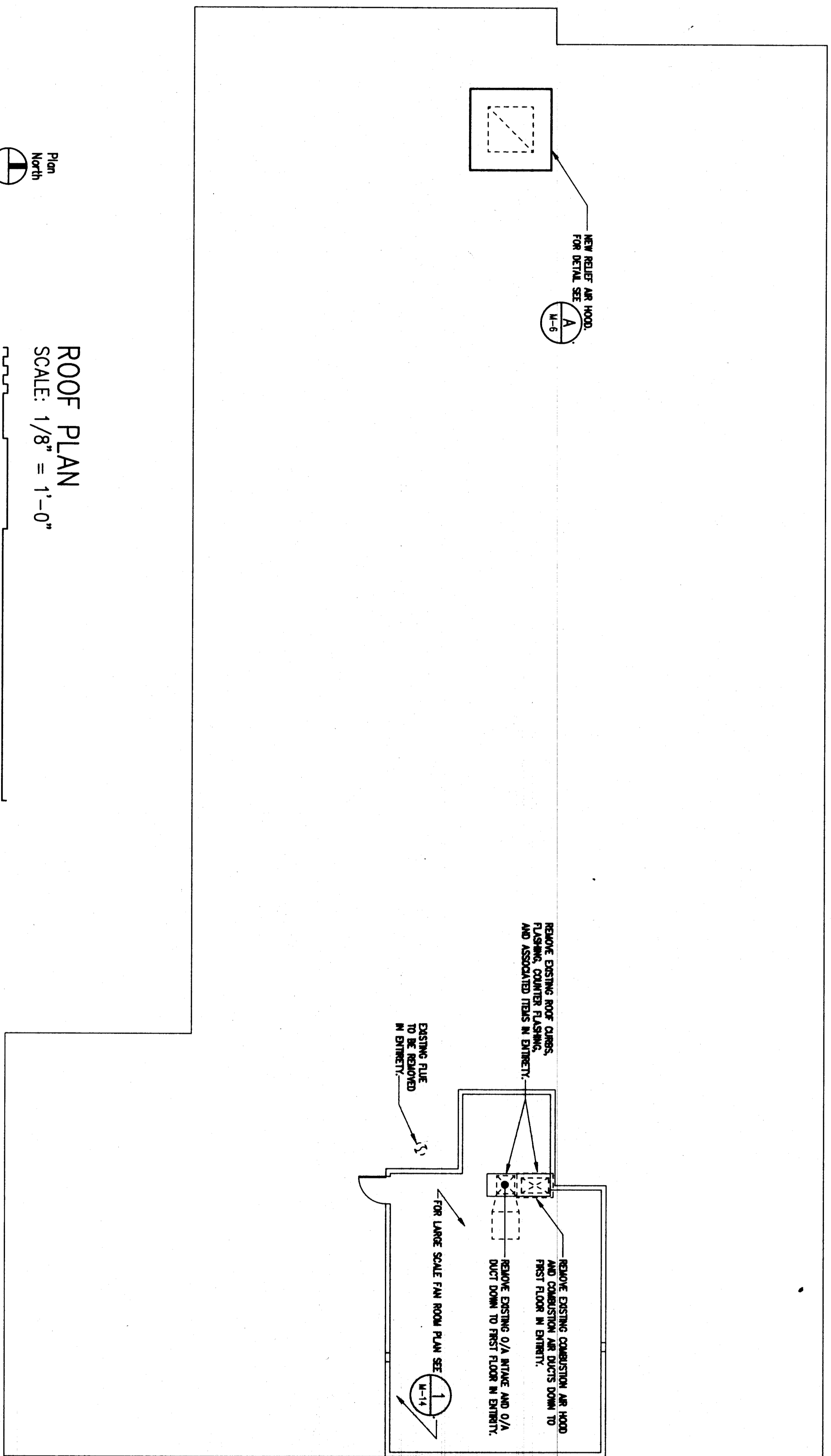


architectural planning  
130 second street, denver  
juneau, alaska

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA  
SECOND FLOOR PLAN AND DETAILS  
MECHANICAL - AIR DISTRIBUTION

job no. C88-8802  
drawn by BF/TW  
date 4/09/91

Consultants:  
FRYER/PRESSLEY  
ENGINEERING, INC.  
400 EAST 34TH STREET, SUITE 200  
ANCHORAGE, ALASKA 99504  
907-581-1666



Plan North

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

0 5 10 20 50

Architectural  
130 Second Street, Anchorage  
Juneau, Alaska 99801

Company



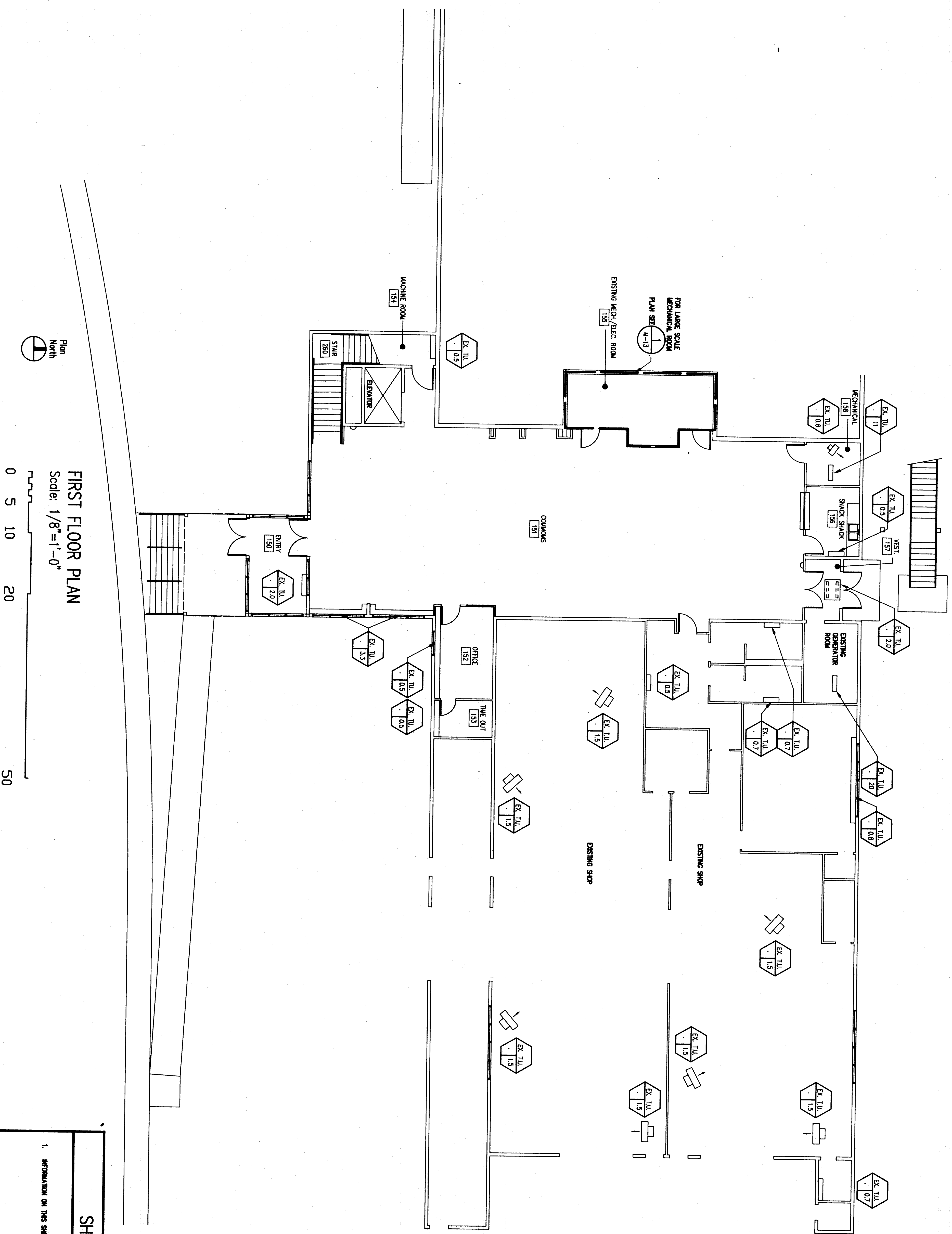
Consultants:

FRYER/PRESSLEY  
ENGINEERING, INC.  
CONSULTING ENGINEERS  
860 EAST 34TH, SUITE 400  
ANCHORAGE, AK 99503  
907-561-1838

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA

ROOF PLAN  
MECHANICAL - AIR DISTRIBUTION

Job no. C88-8042  
drawn by BF/TW  
date 4/08/91



FIRST FLOOR PLAN  
 Scale: 1/8"=1'-0"  
 0 5 10 20 50

SHEET NOTES

1. INFORMATION ON THIS SHEET IS PROVIDED FOR SYSTEM BALANCING.

WRANGELL MIDDLE SCHOOL REMODEL  
 WRANGELL ALASKA

FIRST FLOOR PLAN  
 MECHANICAL - HEATING

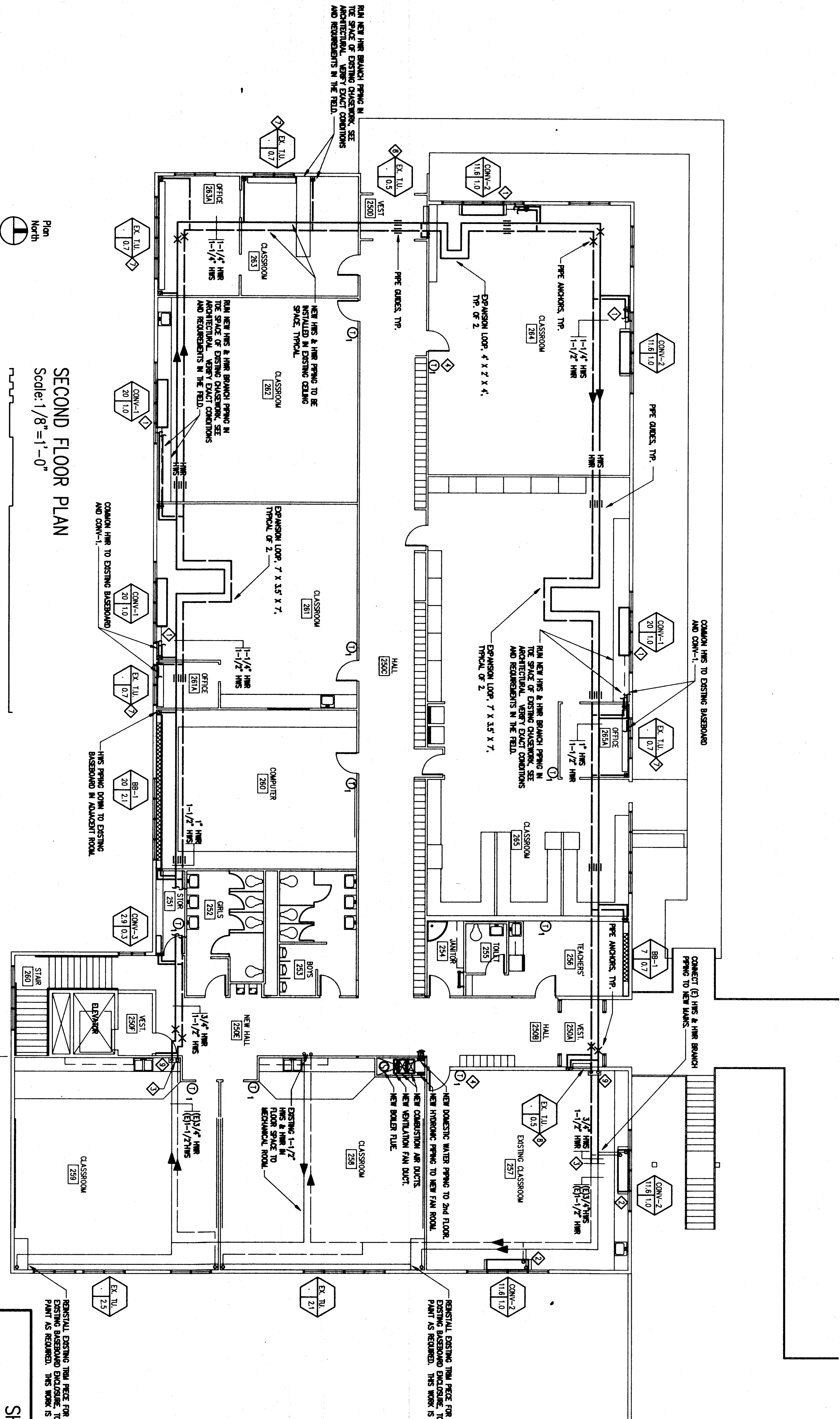
job no. 088-88842  
 drawn by 50/BE  
 date 4/26/81

consultants:  
 FRYER/PRESSLEY  
 ENGINEERING, INC.  
 CONSULTING ENGINEERS  
 580 EAST 34TH, SUITE 200  
 ANCHORAGE, AK 99503  
 807-581-1888



architectural/interior  
 130 second street, suite 200  
 Juneau, alaska 99801

Chapman  
 and  
 company



Plan  
North

SECOND FLOOR PLAN  
Scale: 1/8" = 1'-0"  
0 5 10 20 50

- SHEET NOTES**
1. INSTALL NEW TERMINAL UNIT AT LOCATION INDICATED. CONNECT TO EXISTING BASIN AND PIPING AS SHOWN. VERIFY EXACT CONDITIONS & REQUIREMENTS IN THE FIELD.
  2. INSTALL NEW TERMINAL UNIT AT LOCATION INDICATED. CONNECT TO EXISTING BASIN AND PIPING AS SHOWN. VERIFY EXACT CONDITIONS & REQUIREMENTS IN THE FIELD.
  3. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  4. FOR HYDRONIC TERMINAL UNIT PIPING DETAILS, SEE SHEET M-14.
  5. EXISTING HYDRONIC BASIN, CONNECT TO NEW PIPING & NEW BRANCH ENCLASURES AS SHOWN. VERIFY EXACT CONDITIONS & REQUIREMENTS IN THE FIELD.
  6. EXISTING COINTEGRATED UNIT LEAKERS, CONNECT TO NEW PIPING & NEW BRANCH ENCLASURES AS SHOWN. VERIFY EXACT CONDITIONS & REQUIREMENTS IN THE FIELD.
  7. EXISTING COINTEGRATED UNIT LEAKERS, CONNECT TO NEW PIPING & NEW BRANCH ENCLASURES AS SHOWN. VERIFY EXACT CONDITIONS & REQUIREMENTS IN THE FIELD.
  8. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  9. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  10. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  11. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  12. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  13. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  14. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  15. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  16. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  17. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  18. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  19. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
  20. VERIFY EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.

EXISTING PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA

SECOND FLOOR PLAN  
MECHANICAL & HEATING

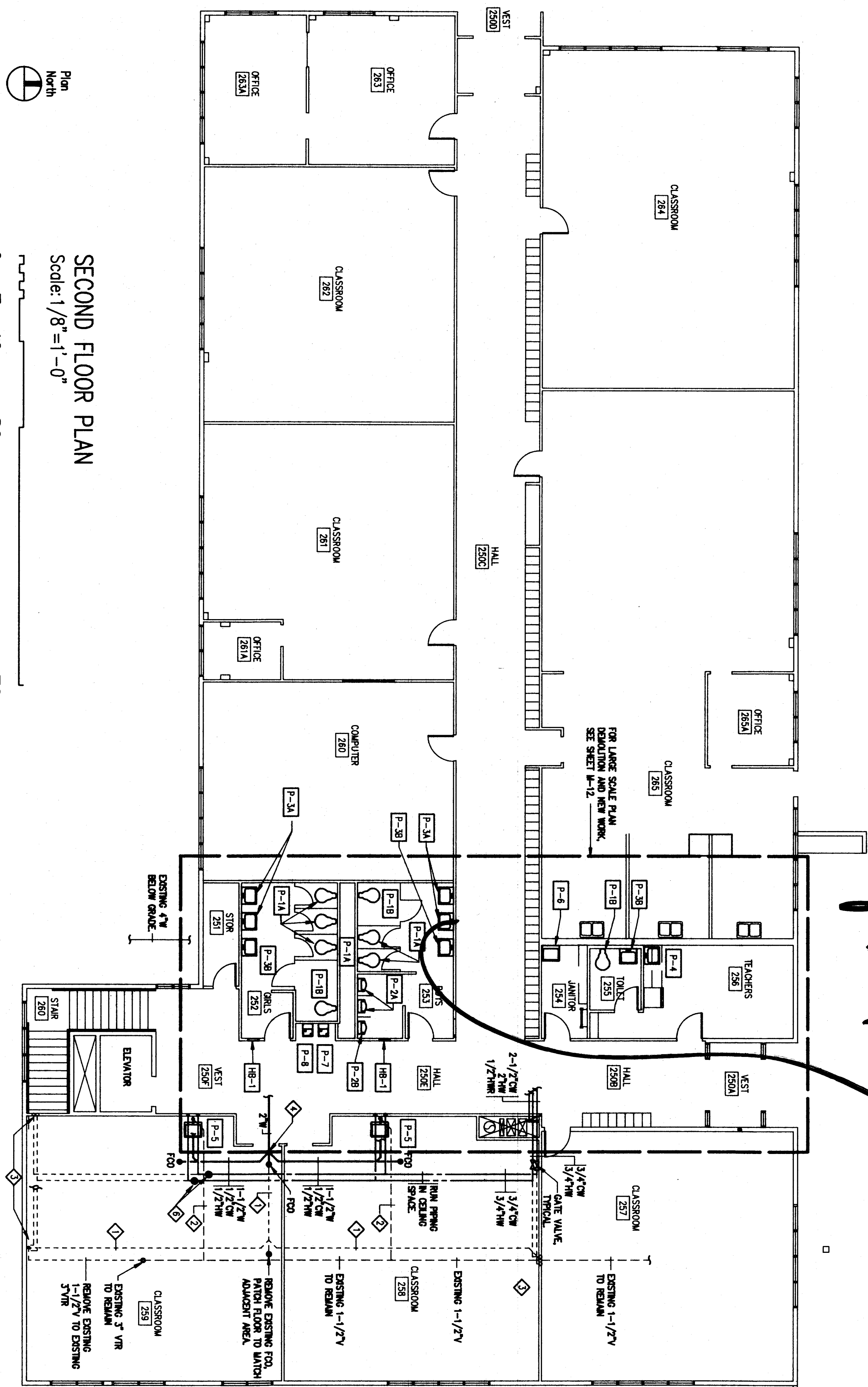
Consultants:  
FRYER/PRESSLEY  
ENGINEERING, INC.  
560 EAST 34TH STREET  
ANCHORAGE, AK 99503  
907-561-1888

job no. 888-88844  
drawn by GJ/RF  
date 4/08/87

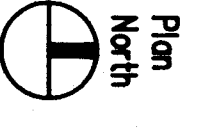


Architectural  
130 Second Street  
Juneau, Alaska 99801

Boiler  
Comp



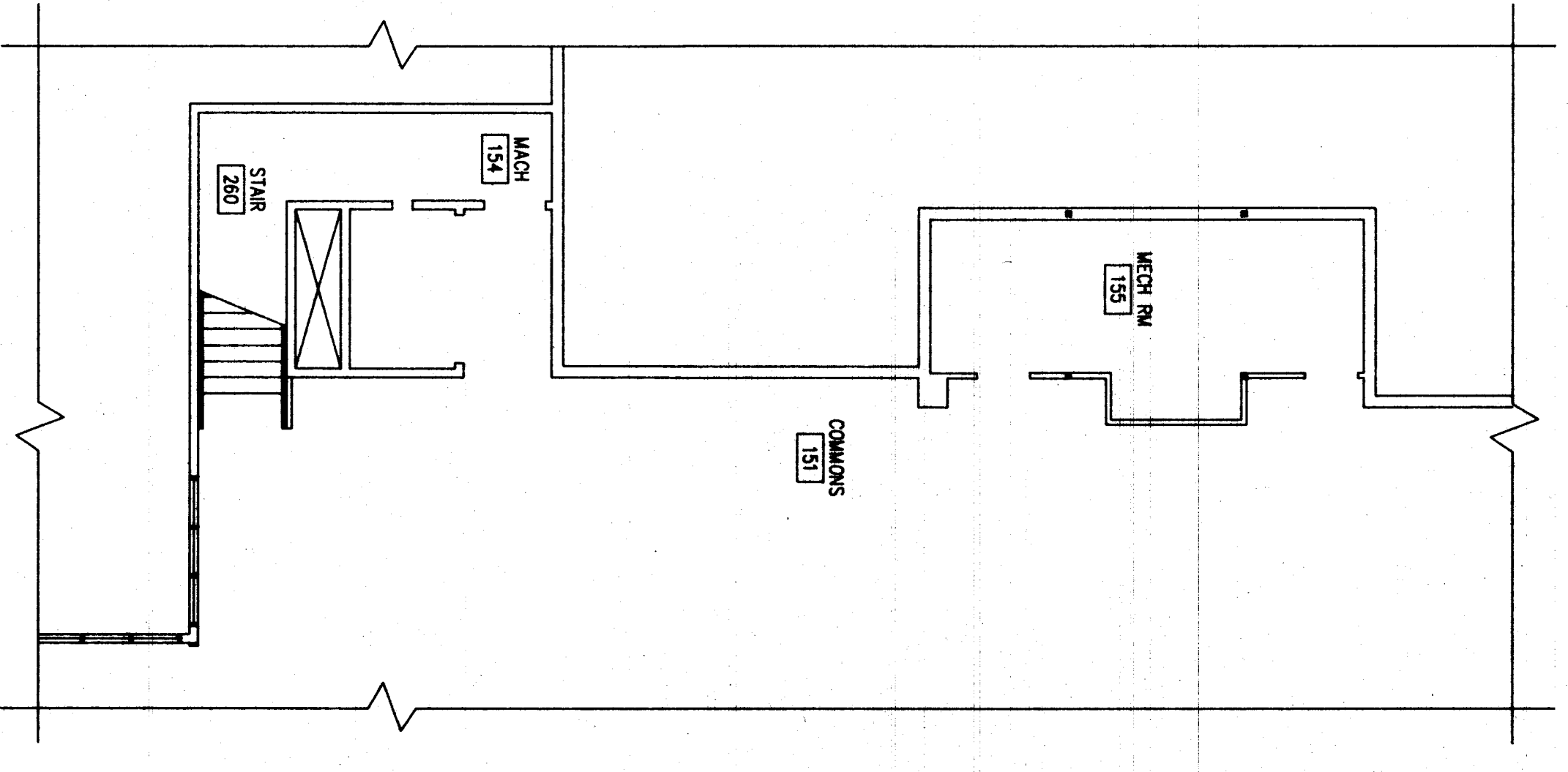
SECOND FLOOR PLAN  
Scale: 1/8" = 1'-0"



*Reverse & Add to*

SHEET NOTES

- ◆ REMOVE EXISTING 2" IN FIRST FLOOR CEILING SPACE
- ◆ CONNECT NEW 1-1/2" TO EXISTING VENT PIPING IN CEILING SPACE OF NEW CLASSROOMS 209 AND 208
- ◆ REMOVE ALL ROUGH-IN PIPING FOR SINKS THAT WERE TO BE INSTALLED IN THIS AREA, CAP CONNECTIONS TO EXISTING PIPING WHICH IS TO REMAIN.
- ◆ CONNECT NEW 2" TO EXISTING 2" IN CEILING OF COMMONS AREA AND EXTEND THROUGH CONCRETE WALL AND EXISTING 2" IN BEAM SPACE. SEE SHEET M-12
- ◆ INSTALLATION OF P-4 AND P-5 IN TEACHER'S OFFICE AND CLASSROOMS 208 & 209 ARE TO BE AT 2' ROUNDOFF FOR THESE ROOMS IS BASED ON WATER HAMMER ANALYSIS, WITH ROOMS ON APPROVED EQUAL.



WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA

SECOND FLOOR PLAN  
MECHANICAL & PLUMBING

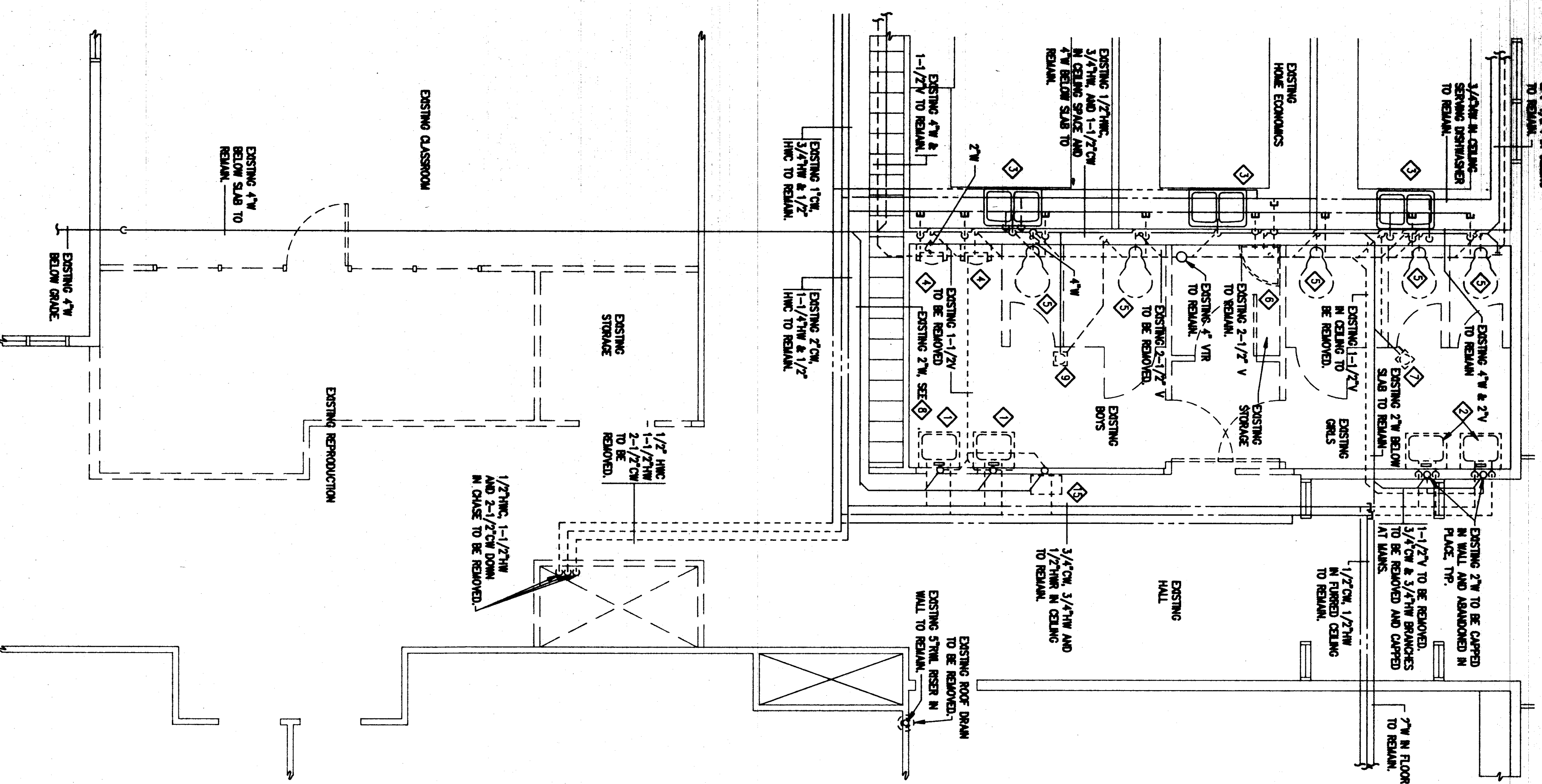
job no. C88-815804  
drawn by MJD  
date 4/9/81

CONSULTANTS:  
FRYER/PRESSLEY  
ENGINEERING, INC.  
CONSULTING ENGINEERS  
560 EAST 34TH, SUITE 200  
ANCHORAGE, AK 99503  
807-581-1886

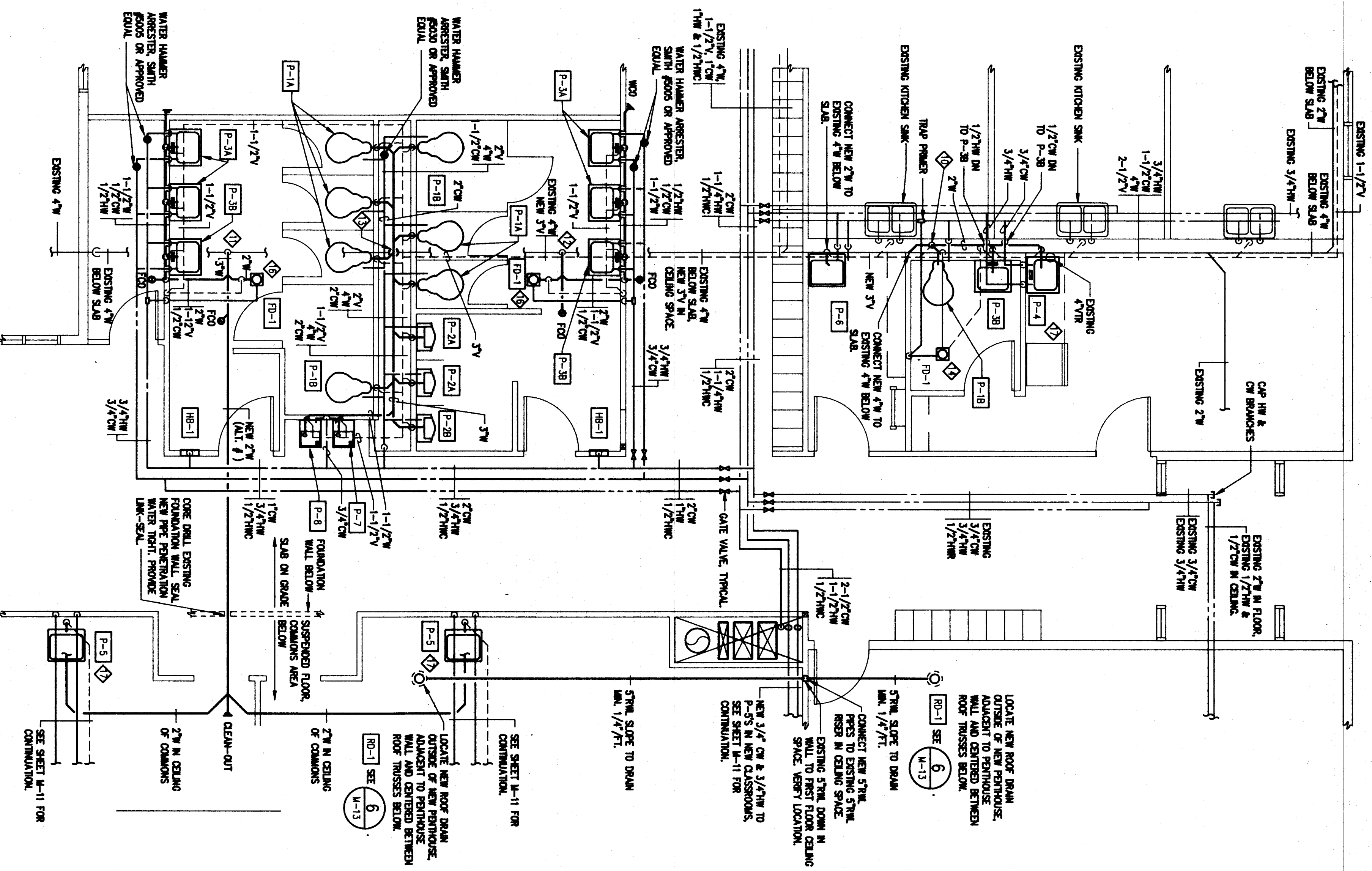


Architect for construction:  
130 SEWARD STREET, ANCHORAGE,  
JUNEAU, ALASKA

CHARTERED  
REGISTERED  
ARCHITECTS  
COMPELL



Plan North  
**SECOND FLOOR PLUMBING DEMOLITION PLAN**  
 Scale: 1/4"=1'-0"  
 0 5 10 20



Plan North  
**SECOND FLOOR PLUMBING NEW WORK PLAN**  
 Scale: 1/4"=1'-0"  
 0 5 10 20

**SHEET NOTES**

- ◇ REMOVE EXISTING LAVATORIES, SINKS, ON, IN AND VENT PIPING IN EXISTENT. REMOVE WASTE PIPING AND CAP BEHIND SLAB AND REMOVED IN PLACE. TYPICAL OF 2.
- ◇ REMOVE EXISTING LAVATORIES, SINKS, ON, IN, VENT AND WASTE PIPING IN EXISTENT. TYPICAL OF 2. CAP WASTE PIPING IN WALL.
- ◇ EXISTING KITCHEN SINK TO REMAIN. ALL PIPING CONNECTIONS TO THIS REMAIN TO REMAIN. TYP. OF 3.
- ◇ EXISTING URINALS TO BE REMOVED. REMOVE SINKS, ON SUPPLY, WASTE AND VENT PIPING IN EXISTENT. CAP 2" WASTE PIPING IN WALL SPACE. TYPICAL OF 2.
- ◇ EXISTING WASHED CLOSETS TO BE REMOVED. REMOVE ON SUPPLY, WASTE AND VENT PIPING IN EXISTENT. CAP WASTE PIPING IN WALL SPACE. TYPICAL OF 2.
- ◇ EXISTING SINKS TO BE REMOVED. REMOVE ON, ON WASTE AND VENT PIPING IN EXISTENT. CAP WASTE PIPING IN WALL SPACE.
- ◇ EXISTING FLOOR DRAIN TO BE REMOVED. WASTE AND VENT PIPING TO BE CAPPED AND REMOVED BELOW SLAB. VENT RISER SERVING THIS FLOOR DRAIN TO BE CAPPED IN WALL SPACE.
- ◇ EXISTING 2" WASTE BELOW SLAB TO BE REMOVED. REMOVE IN PLACE.
- ◇ REMOVE EXISTING FLOOR DRAIN, WASTE AND VENT PIPING TO REMAIN. CAP 1/2" USE IN NEW WORK.
- ◇ CONNECT NEW 2" FROM NEW KITCHEN SINK AND LAVATORY TO NEW 4".
- ◇ CONNECT NEW 3" TO EXISTING 4" BELOW SLAB.
- ◇ CONNECT NEW 2" FROM NEW LAVATORIES TO EXISTING 4" BELOW SLAB.
- ◇ ROUTE NEW 4" DOWN THROUGH SLAB AND CONNECT TO EXISTING 4".
- ◇ INSTALL NEW FLOOR DRAIN WITH TRAP. REMOVE CONNECT TO EXISTING WASTE AND VENT PIPING REMAINING FROM DEMOLISHED FLOOR DRAIN.
- ◇ REMOVE EXISTING DRAINING CONNECTION, WASTE, ON, WASTE AND VENT PIPING IN EXISTENT. REMOVE WASTE PIPE AND CAP IN WALL SPACE.
- ◇ SINK-CUT EXISTING CONCRETE SLAB 3' X 3' AROUND NEW FLOOR DRAIN LOCATION. PATCH OPENING PER ARCHITECTURAL PLAN AND STATE TO NEW FLOOR DRAIN.
- ◇ INSTALLATION OF P-4 AND P-55 IS ALI. PL. ROUGH-IN PER THESE DRAWINGS IS BASE ON.

chartwell  
 bellows  
 and  
 company  
 architecture/plumbing  
 130 second street, seaford  
 junco, alaska 99801

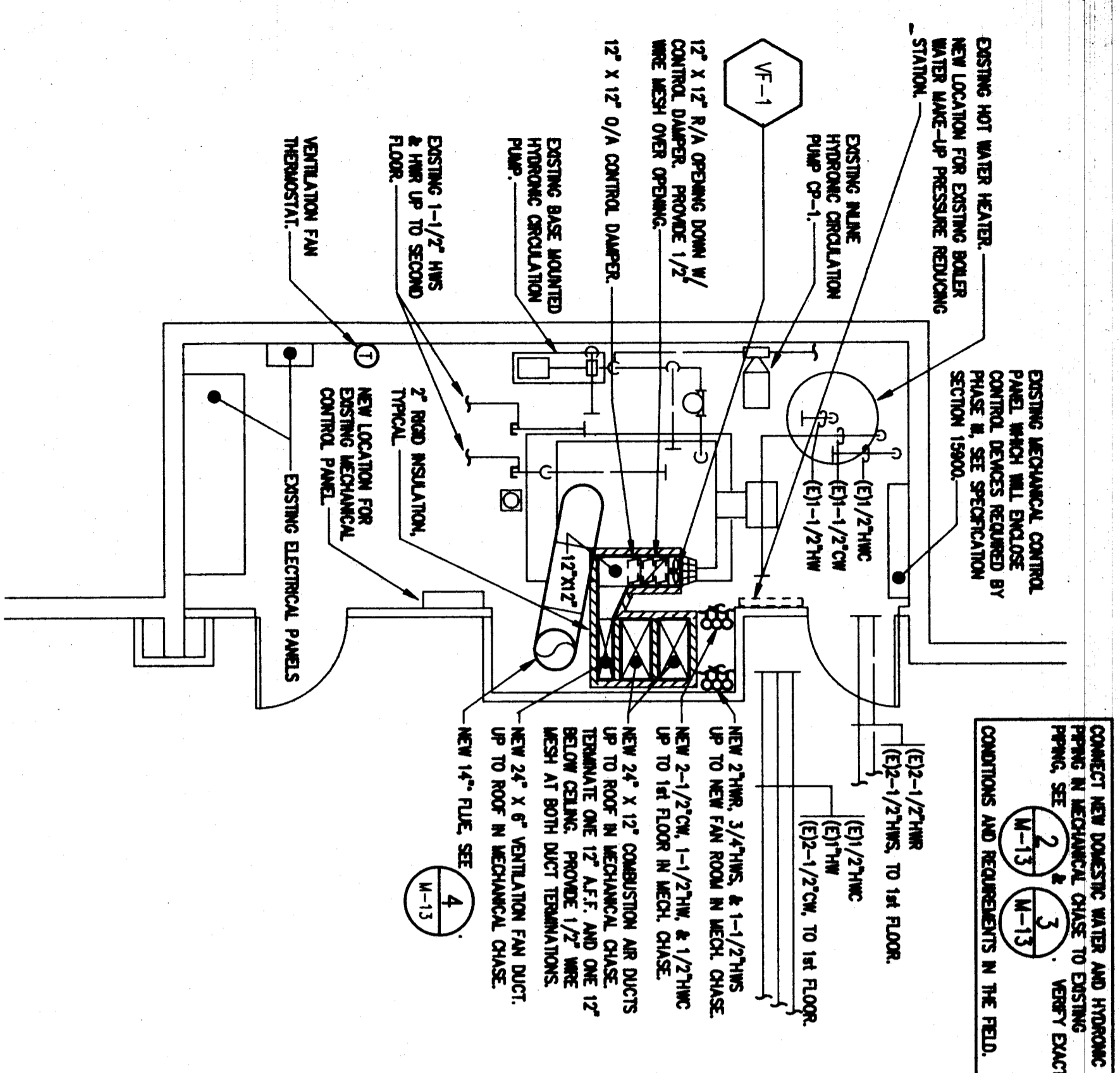


consultants:  
**FRER/PRESSLEY  
 ENGINEERING, INC.**  
 CONSULTING ENGINEERS  
 ANCHORAGE, ALASKA  
 907-581-1584

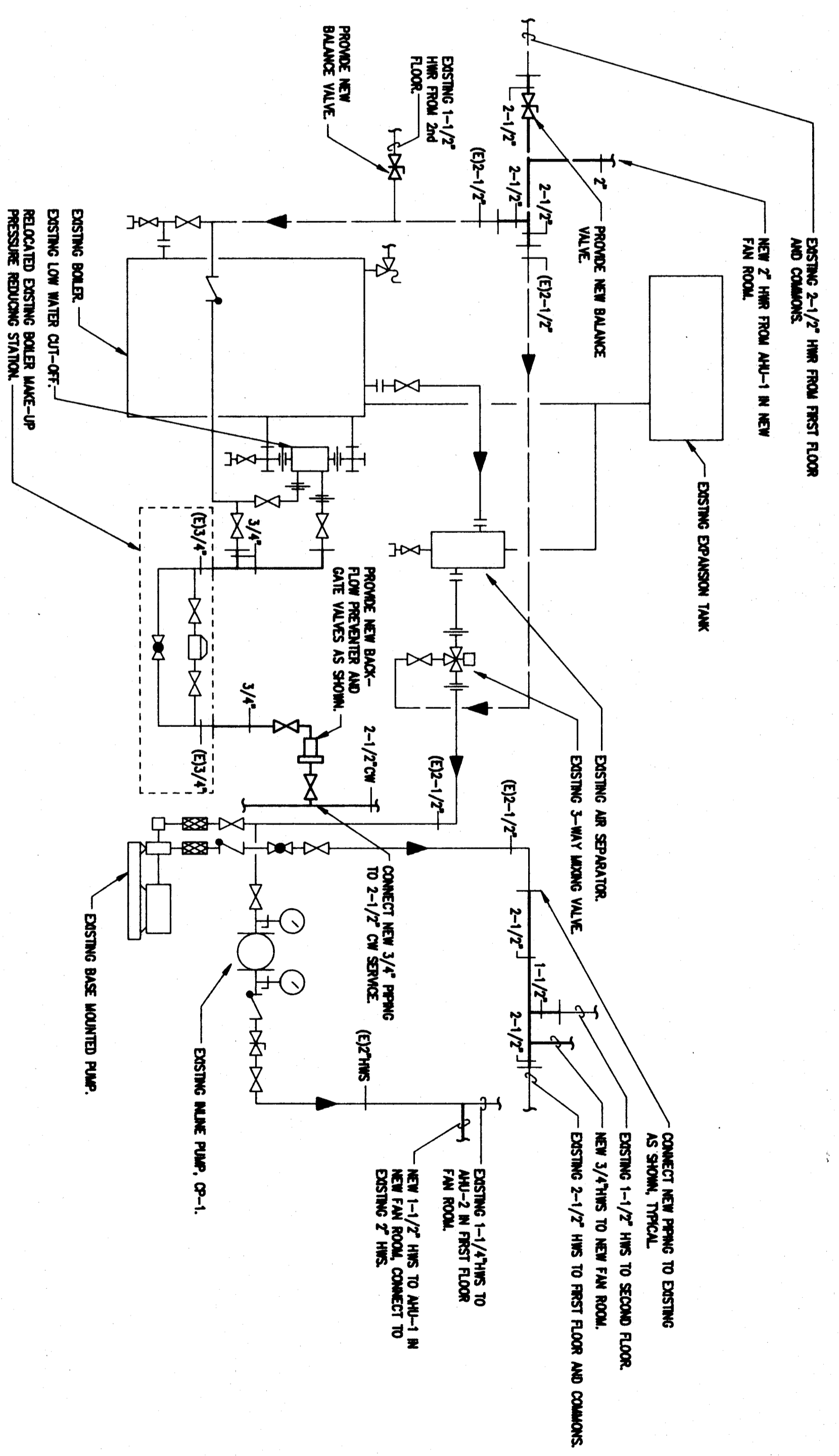
**WRANGELL MIDDLE SCHOOL REMODEL  
 WRANGELL  
 ALASKA**  
**SECOND FLOOR PLAN  
 PLUMBING - DEMOLITION & NEW WORK**

job no. 088-880X  
 drawn by WED  
 date 4/9/91

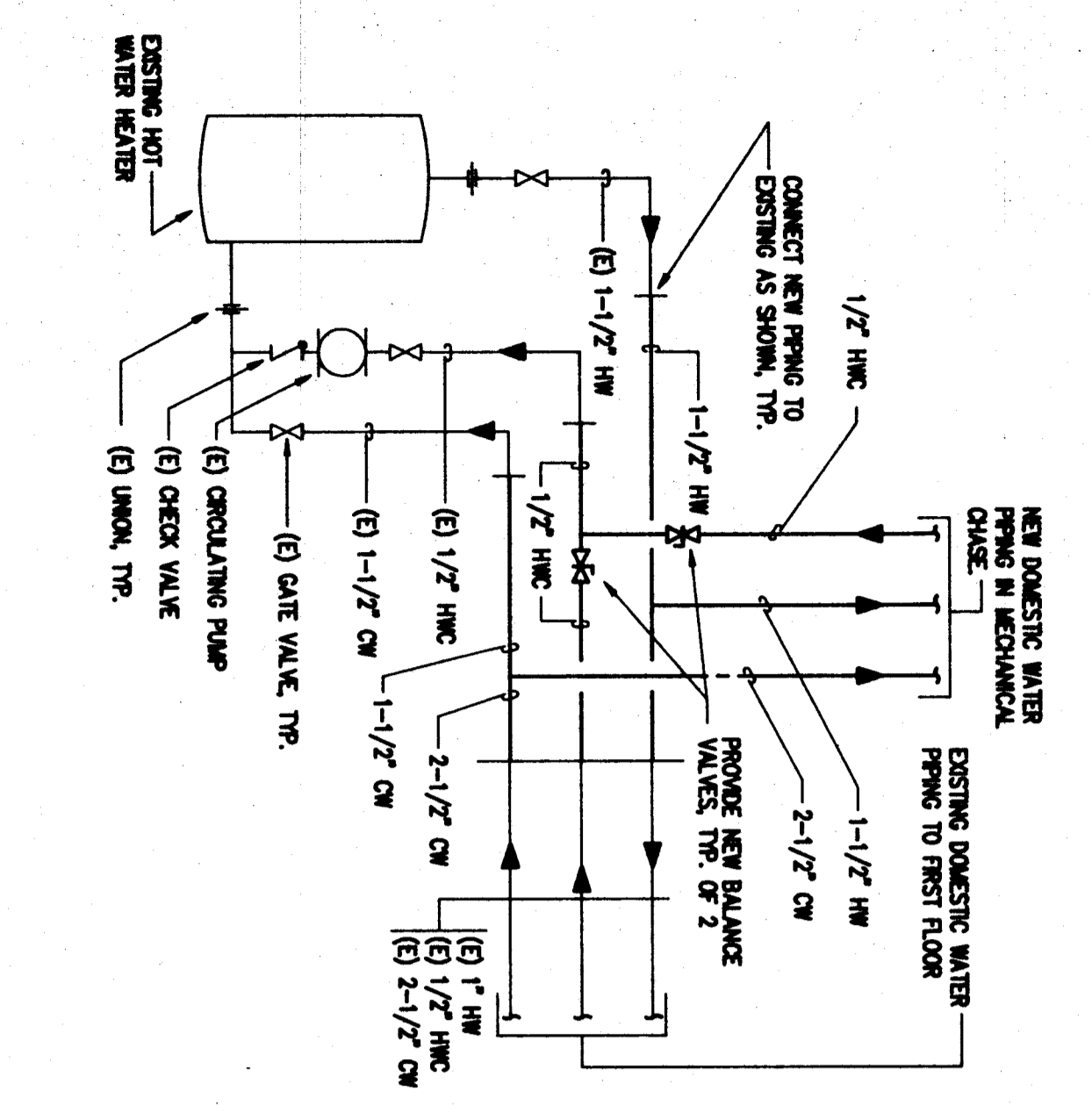
M



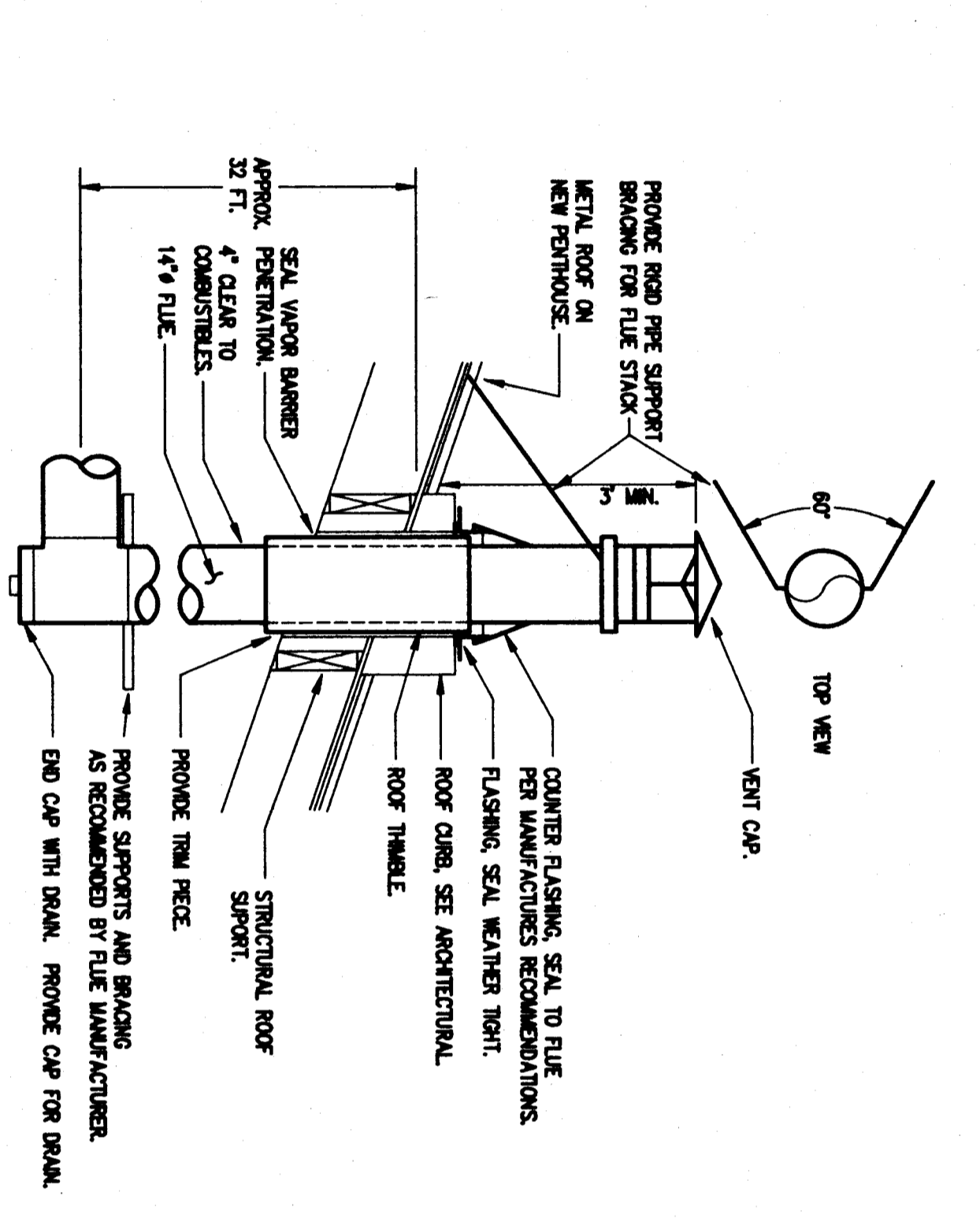
1 LARGE SCALE MECHANICAL ROOM - PLAN  
M-13 1/4"=1'-0"



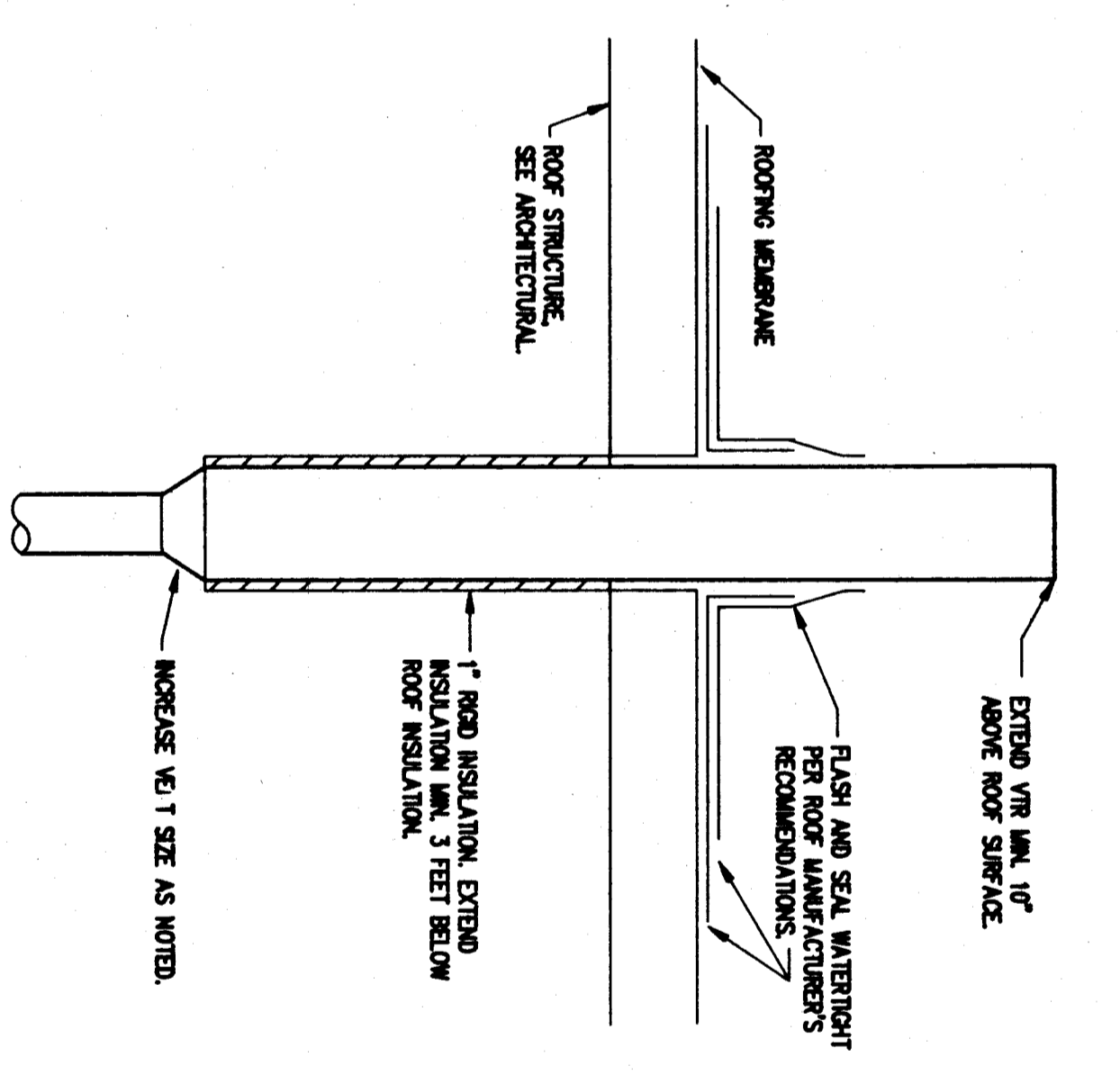
2 MECHANICAL ROOM HYDRONIC PIPING DIAGRAM  
M-13 NONE



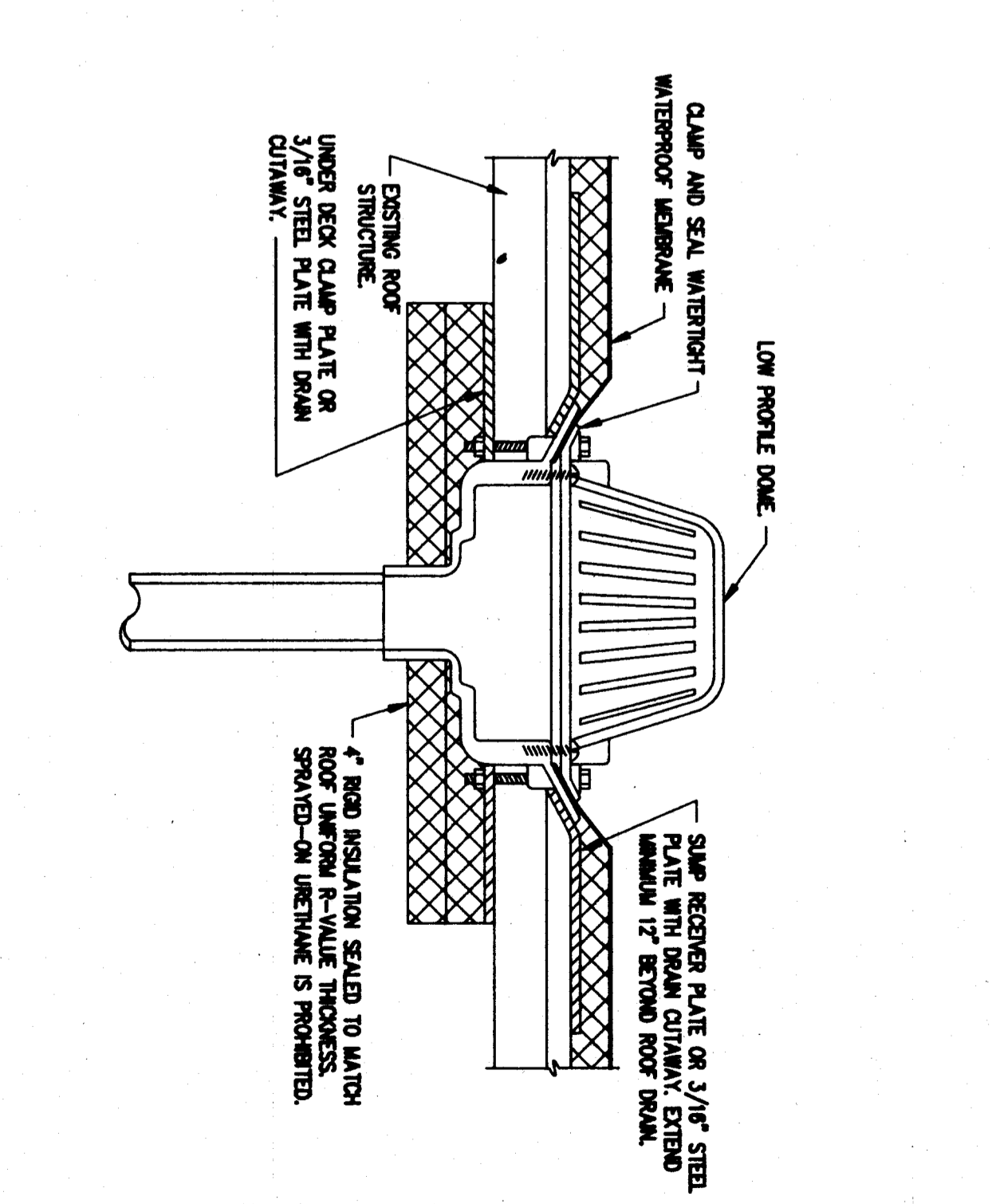
3 HOT WATER HEATER PIPING DIAGRAM  
M-13 NONE



4 FLUE ROOF PENETRATION - DETAIL  
M-13 NONE



5 TYPICAL VENT ROOF PENETRATION  
M-13 NONE



6 TYPICAL ROOF DRAIN DETAIL  
M-13 NONE



CONSULTANTS:  
FRYER/PRESSLEY  
ENGINEERING, INC.  
CONSULTING ENGINEERS  
580 EAST 34TH, SUITE 200  
ANCHORAGE, AK 99503  
807-551-1889

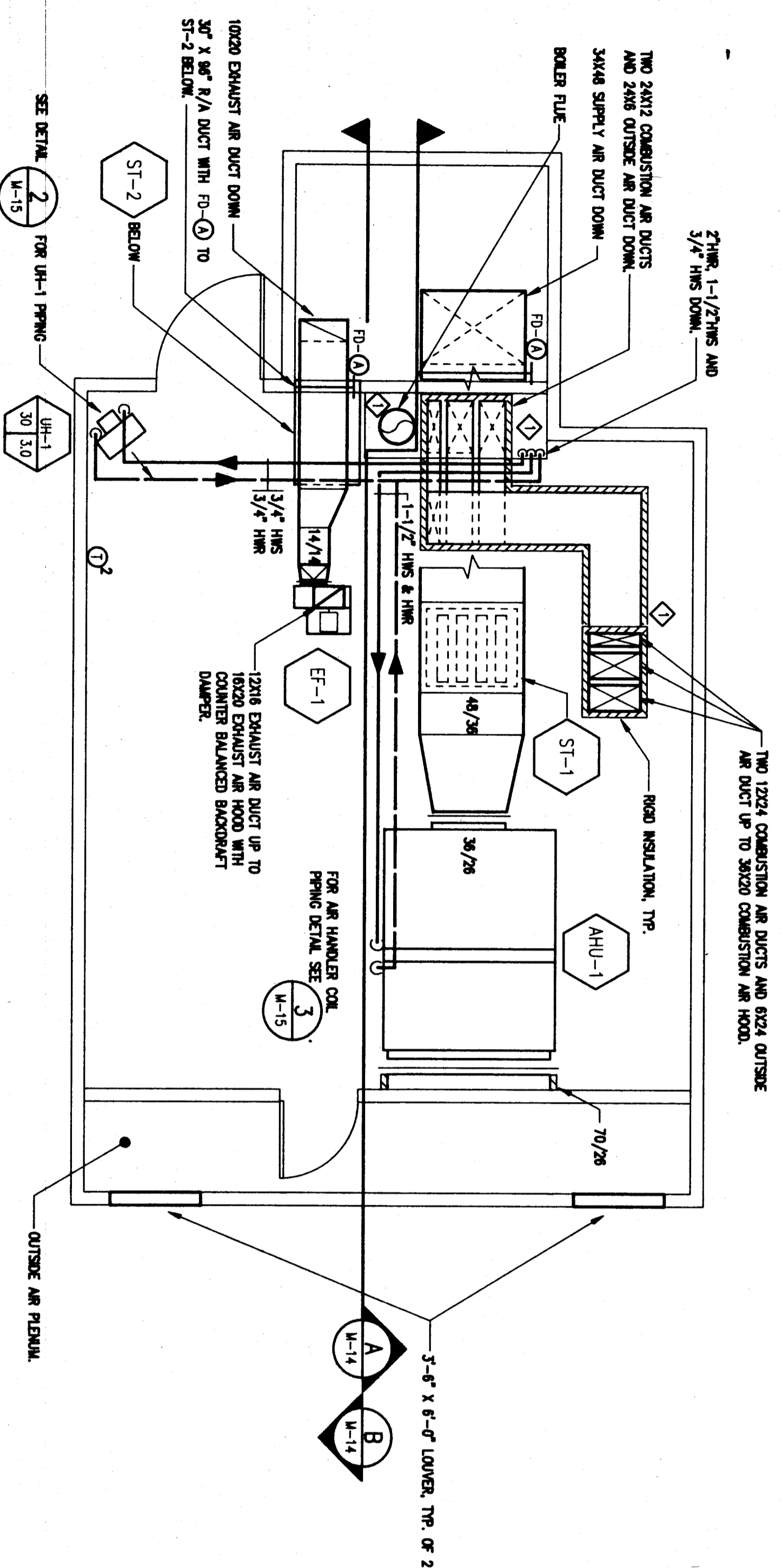
WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA  
FIRST FLOOR MECHANICAL ROOM PLANS  
MECHANICAL - HEATING

Job no. CB8-8804  
drawn by 60  
date 4/08/03

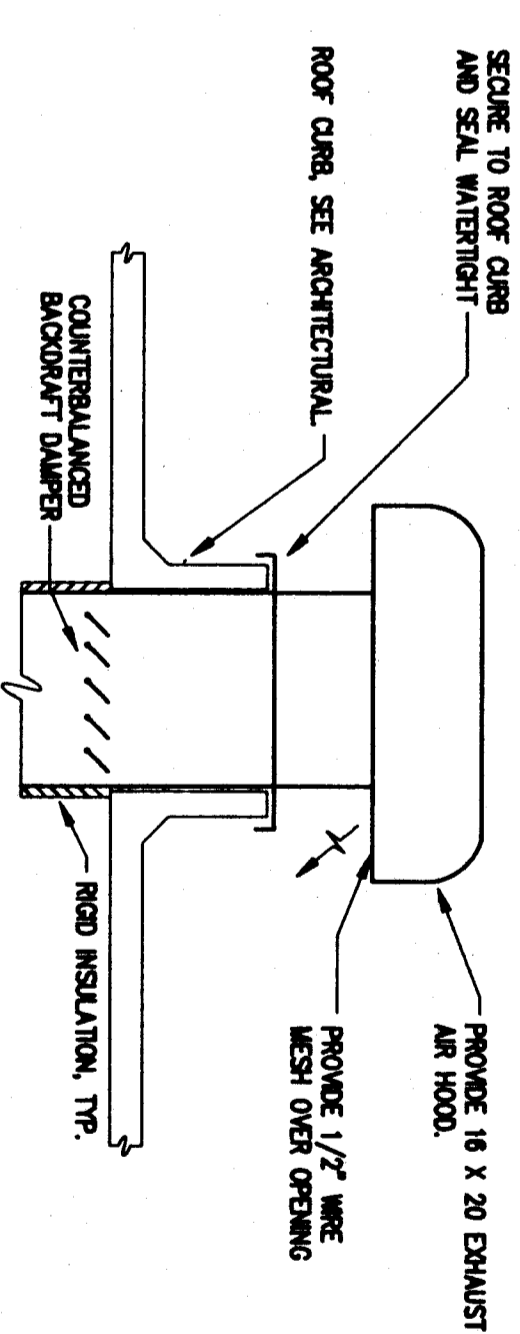
architectural  
130 second street, ste 200  
Juneau, alaska 99801

SHEET NOTES

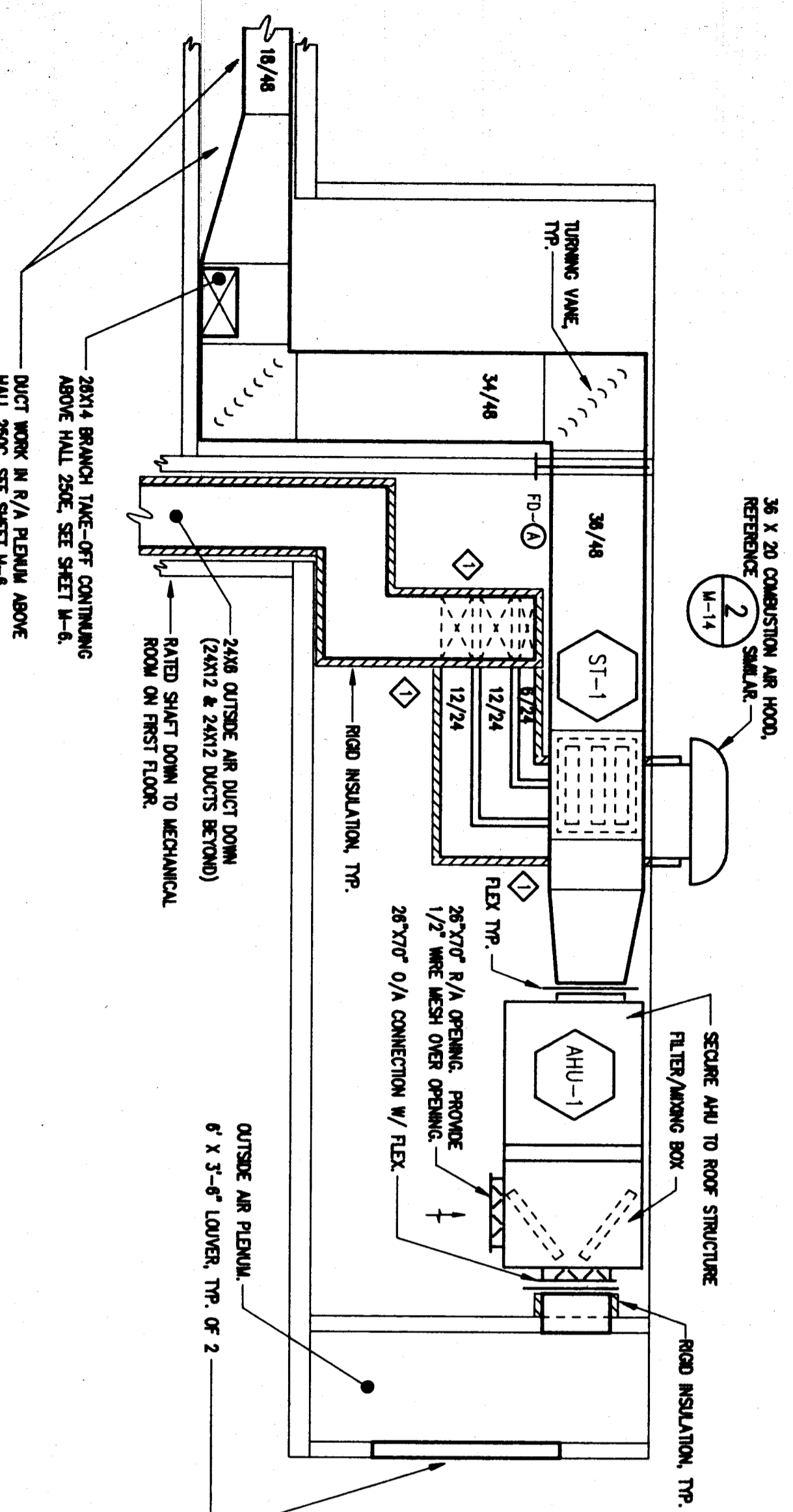
- ◆ PROVIDE RAISED ENCLOSURE AROUND FLEX COMBUSTION AIR DUCTS, & O/A DUCT ENCLOSURE SHALL EXTEND FROM THE FLOOR TO THE ROOF. SEE ARCHITECTURAL.



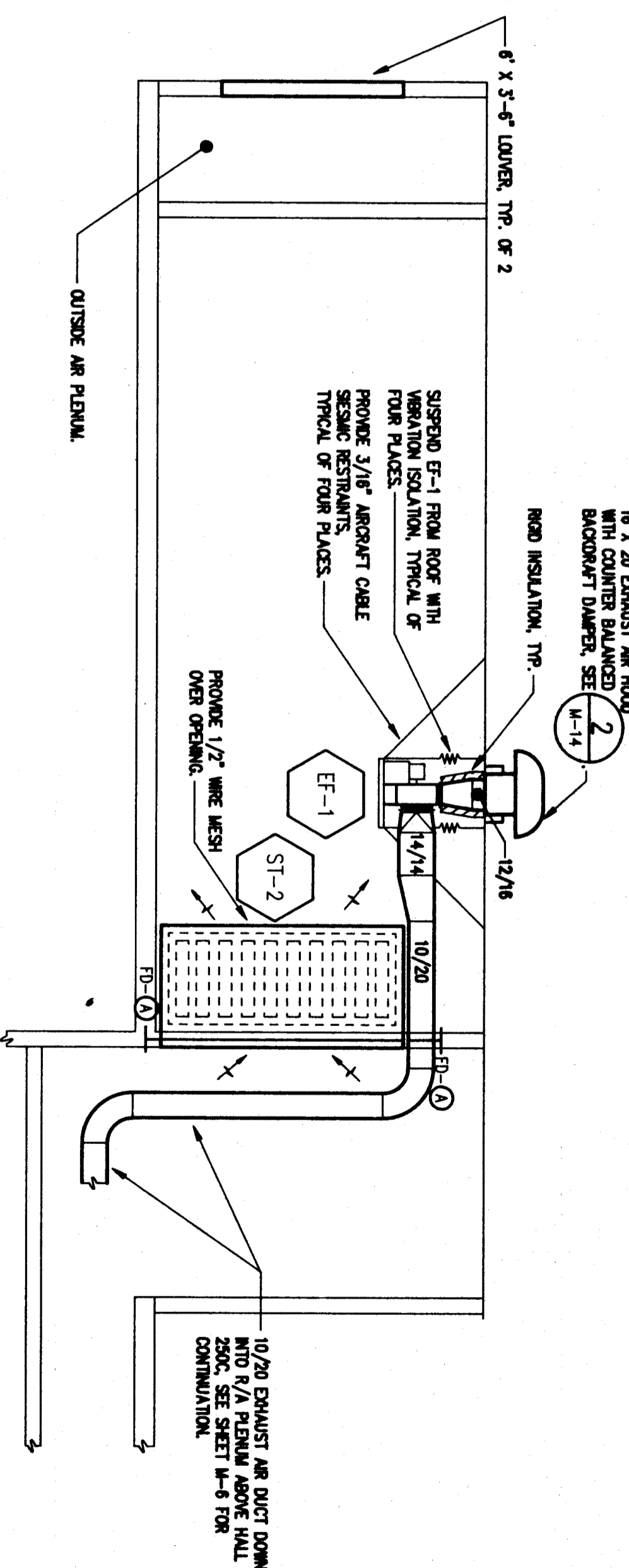
1 LARGE SCALE FAN ROOM PLAN  
M-14 1/4"=1'-0"



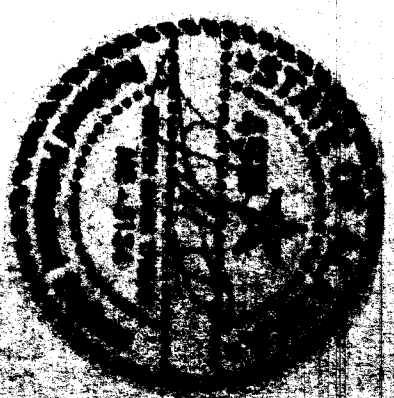
2 EXHAUST AIR HOOD DETAIL  
M-14 NONE



A FAN ROOM - SECTION  
M-14 1/4"=1'-0"



B FAN ROOM - SECTION  
M-14 1/4"=1'-0"



CHIEF  
ARCHITECTURE  
130 SEWARD STREET  
JUNEAU, ALASKA 99801

Consultants:

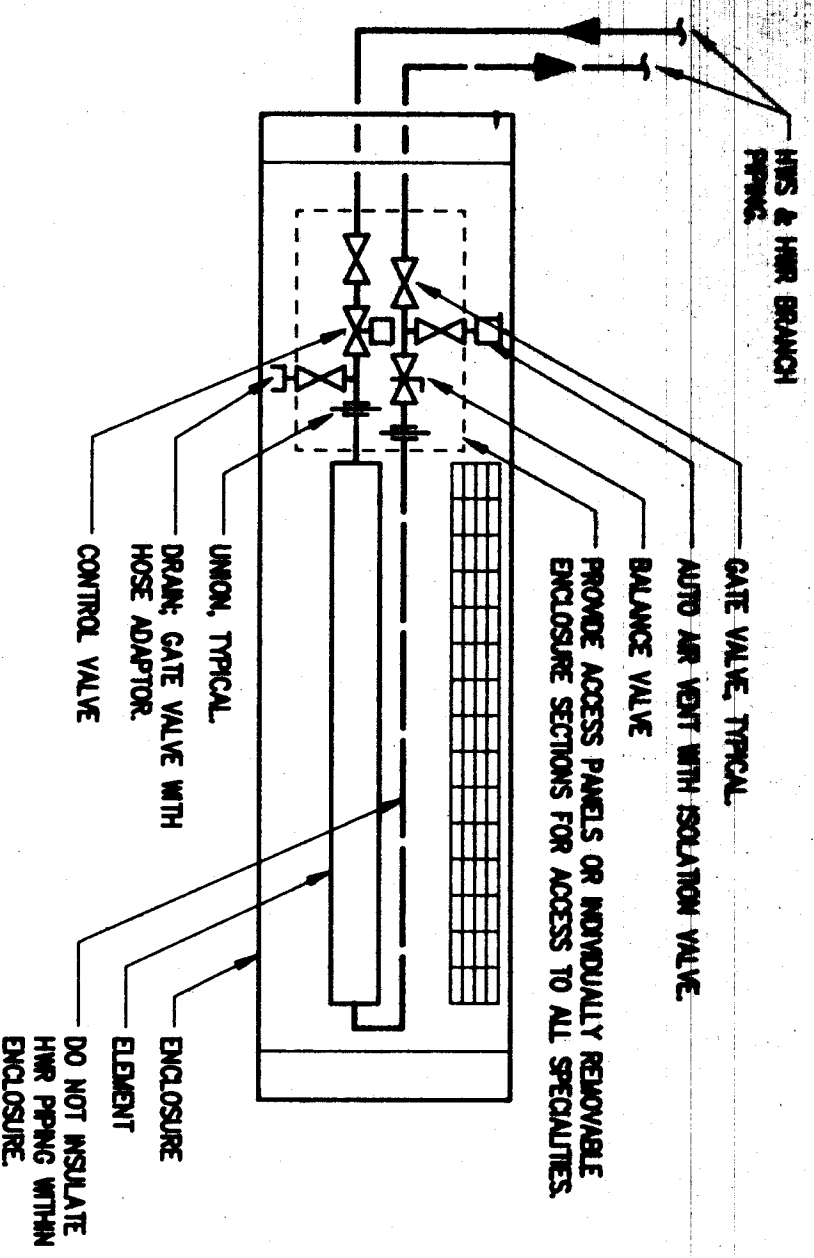
FRYER/PRESSLEY  
ENGINEERING, INC.  
CONSULTING ENGINEERS  
ANCHORAGE, ALASKA  
307-561-1886

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA

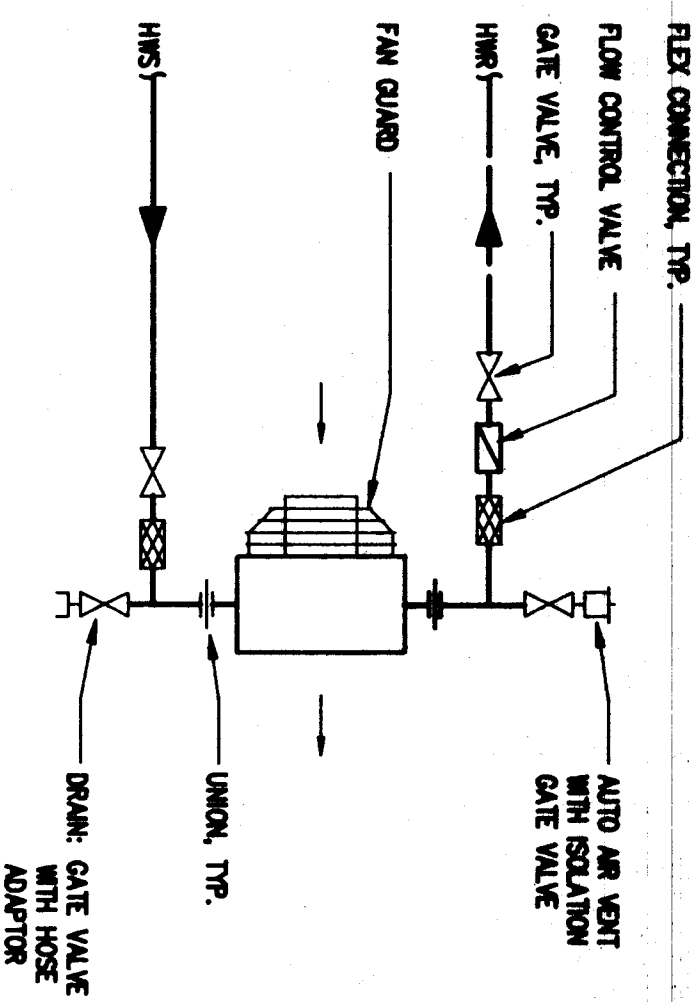
LARGE SCALE FAN ROOM PLAN  
MECHANICAL AIR DISTRIBUTION

Job no. 089-8804  
drawn by BR/TW  
date 4/09/01

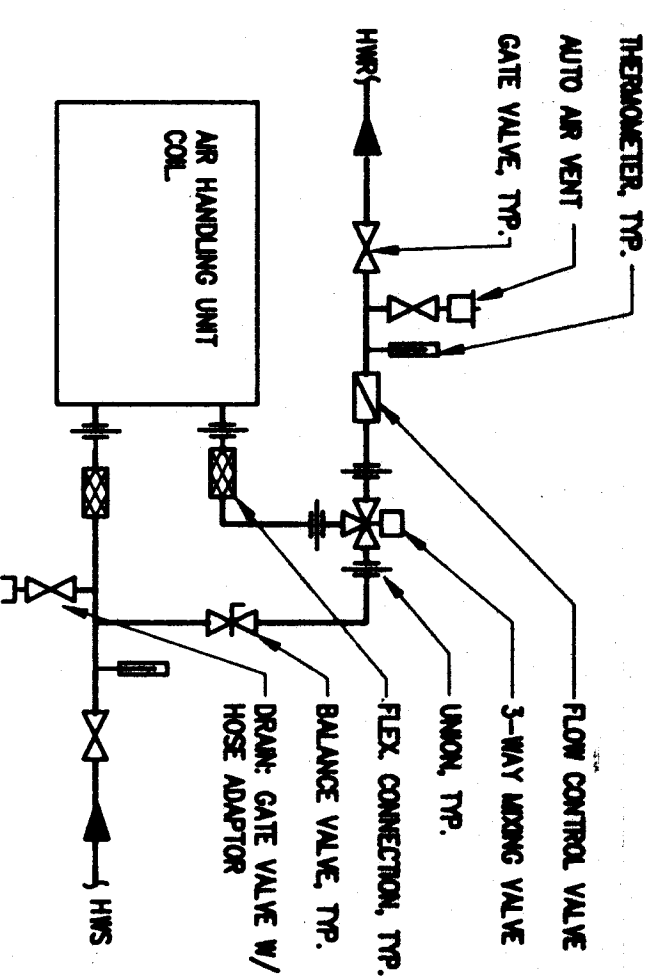




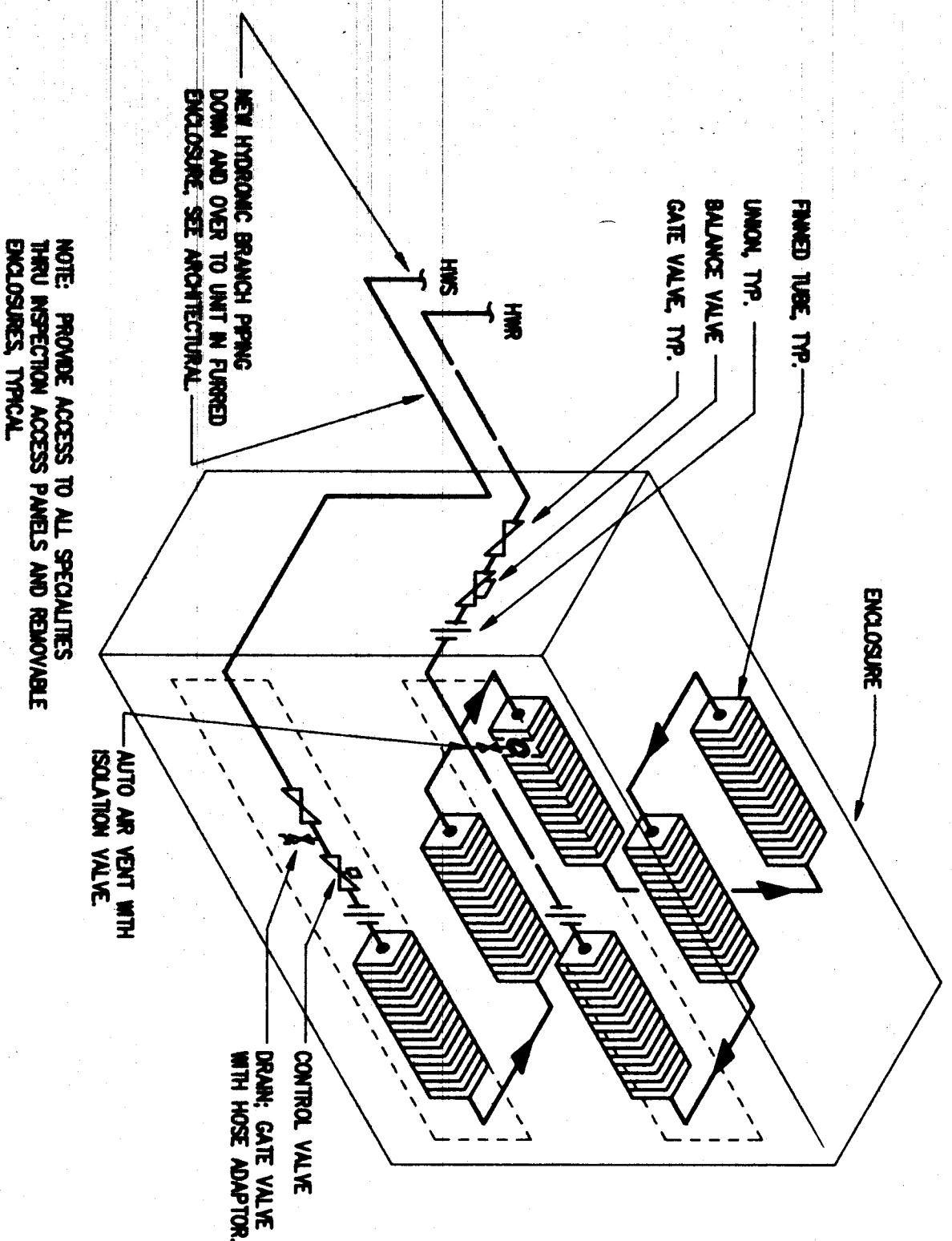
1 BB-1 PIPING DIAGRAM  
M-15 NONE



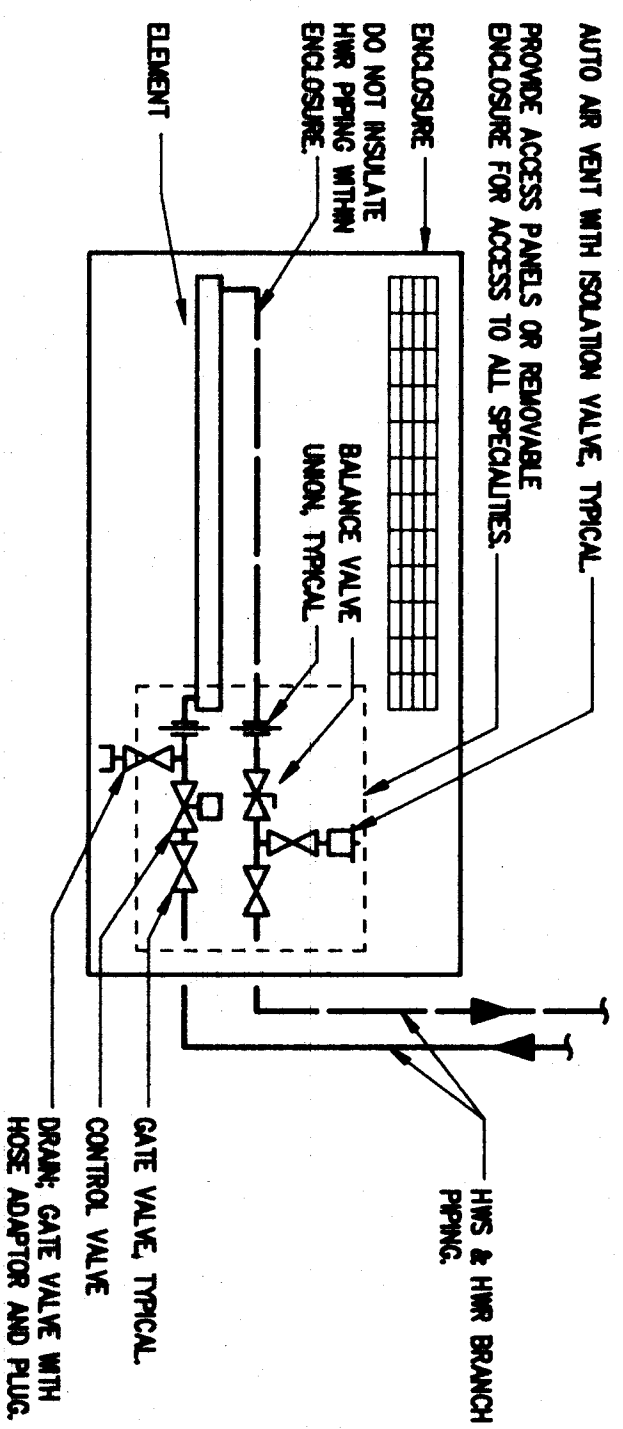
2 UNIT HEATER PIPING DIAGRAM  
M-15 NONE



3 AIR HANDLING UNIT COIL PIPING DIAGRAM  
M-15 NONE



4 CONV-1 AND CONV-2 PIPING ISOMETRIC  
M-15 NONE



5 CONV-3 PIPING DIAGRAM  
M-15 NONE

0110  
COMP  
architectural  
130 second street  
Juneau alaska 99801



consultants  
FRYER/PRESSLEY  
ENGINEERING, INC.  
CONSULTING ENGINEERS  
ANCHORAGE, AK 99503  
907-561-1566

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA  
HYDRONIC TERMINAL UNIT PIPING DIAG.  
MECHANICAL - HEATING

job no. 88-804  
drawn by 00  
date 4/08/87

## SYMBOL LEGEND

- ① MARK KEY - INDICATES NOTES APPLICABLE ON EACH SHEET.
- A/150 LIGHTING FIXTURE TYPE - SEE LIGHTING FIXTURE SCHEDULE.
- \$\$\$ SWITCHES UP 4'-0" U.O.N. (SPST, DPST, THREE-WAY).
- \$# MANUAL MOTOR SWITCH WITH THERMAL OVERLOAD(S)
- \$# CALL-BACK SWITCH UP 4'-0" U.O.N.
- k AS SUBSCRIPT NEAR SWITCH INDICATES KEY TYPE.
- o LOWER CASE SUBSCRIPT INDICATES PHASE OR SWITCH CONNECTION WHERE MULTIPLE PHASE OR SWITCHING CONNECTIONS ARE MADE.
- H.D. HIGH-INTENSITY DISCHARGE.
- N.I. INDICATES UNSWITCHED NIGHT LIGHT FIXTURE.
- o SURFACE OR PENDANT MOUNTED INCANDESCENT OR H.I.D. FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
- o WALL MOUNTED INCANDESCENT OR H.I.D. FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
- o RECESSED INCANDESCENT OR H.I.D. FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
- o RECESSED OR SURFACE CEILING MOUNTED FLUORESCENT FIXTURE - SEE LIGHTING FIXTURE SCHEDULE.
- ⊗ EMERGENCY EXIT LIGHTING UNIT WITH ARROWS WHERE SHOWN, WALL/CEILING MOUNTED - SEE LIGHTING FIXTURE SCHEDULE.
- ⊗ BATTERY-OPERATED EMERGENCY LIGHTING UNIT - SEE LIGHTING FIXTURE SCHEDULE.
- ⊗ DUPLEX RECEPTACLE UP 18" U.O.N.
- ⊗ MULTI-OUTLET ASSEMBLY, UP 32" TO BOTTOM, U.O.N.
- ⊗ EXISTING FLOOR POWER SERVICE FITTING TO BE REMOVED.
- ⊗ PANEBOARD, SURFACE MOUNTED, FLUSH MOUNTED.
- ⊗ MULTI-SECTION DISTRIBUTION SWITCHBOARD.
- ⊗ FLUSH MOUNTED JUNCTION BOX IN CEILING OR WALL AS NOTED.
- ⊗ MOTOR - H.P., VOLTAGE & PHASE AS NOTED.
- ⊗ HEAVY DUTY DISCONNECT, H.P., RATED WHEN USED IN MOTOR CIRCUITS, OTHERWISE AMPERE RATING MUST MATCH CIRCUIT RATING.
- ⊗ MOTOR CONTROLLER, H.P., RATED FULL VOLTAGE NON-REVERSIBLE, U.O.N.
- ⊗ SPECIAL OUTLET TO BE REMOVED.
- ⊗ SPEAKER, FLUSH MOUNTED ON WALL UP 8'-0" U.O.N. SEE SPECIFICATIONS.
- ⊗ FLUSH MOUNTED CLOCK UP 8'-0" U.O.N.
- ⊗ EXISTING TELEPHONE OUTLET TO REMAIN.
- ⊗ TELEPHONE OUTLET UP 18" U.O.N.
- ⊗ FLUSH MOUNTED MANTY OUTLET, UP 8'-0" U.O.N.
- ⊗ EXISTING FLOOR TELEPHONE SERVICE FITTING TO BE REMOVED.
- ⊗ THE ALARM CONTROL PANEL, FLUSH MOUNTED.
- ⊗ THE ALARM HORN SURFACE MOUNTED, UP 8'-0" U.O.N.
- ⊗ COMBINATION FIRE ALARM HORN/VISUAL INDICATOR UP 8'-0" U.O.N.
- ⊗ MANUAL PULL STATION UP 4'-0" U.O.N.
- ⊗ EXISTING TELEPHONE OUTLET TO BE REMOVED.
- ⊗ PRODUCTS OF COMBUSTION DETECTOR CEILING MOUNTED, U.O.N.
- ⊗ PRODUCTS OF COMBUSTION DETECTOR WITH DUCT SAMPLING TUBE, MOUNTED ON DUCT WALL, U.O.N.

- CONDUIT EXPOSED (NOTE A BELOW).
  - CONDUIT IN OR BELOW SLAB OR GRADE (NOTE A BELOW).
  - CONDUIT CONCEALED IN WALLS OR CEILING SPACE (NOTE A BELOW).
  - HOME-RUN (NUMBER OF ARROWS=NUMBER OF CIRCUITS), (NOTE B BELOW), HOMERUN TO TELEPHONE TERMINAL CABINET "TTC", 1" DIA. CONDUIT, U.O.N. WITH PULL WIRE.
  - A-24
  - TTC
  - (E) EXISTING.
  - FA FIRE ALARM.
  - WP WEATHERPROOF.
  - U.O.N. UNLESS OTHERWISE NOTED.
  - TTC TELEPHONE TERMINAL CABINET.
  - GFCI GROUND FAULT CIRCUIT INTERRUPTER.
  - MATV MASTER ANTENNA TELEVISION.
- NOTES:
- GENERAL: ALL BRANCH CIRCUITS 20/2, 1/2" C. TO 20A, 1P, CIRCUIT BREAKER U.O.N. E.G. 20/2 (48/3/4" C. TO 40/2) INDICATES CIRCUIT NUMBER 20 IN PANEL "A" FEEDS TO EQUIPMENT FROM A 40A, 3P, CIRCUIT BREAKER WITH 48A AMP WIRES RUN IN 3/4" DIAMETER CONDUIT.
- A NUMBER OF WIRES (IF OTHER THAN TWO) INDICATED BY NUMBER OF SLASHES ( / ) = TWO "HOT" WIRES AND ONE NEUTRAL WIRE.
- B HOME-RUN DESIGNATION: \*A=PANEBOARD NOTATION, \*-2,4=CIRCUIT NUMBERS.
- GENERAL: LINE WEIGHT SHOWN FOR VARIOUS PIECES OF EQUIPMENT DENIED AS FOLLOWS:
- ⊗ DASHED ITEM INDICATES EXISTING EQUIPMENT TO BE REMOVED.
  - ⊗ LIGHT SOLID ITEM INDICATES EXISTING EQUIPMENT TO REMAIN.
  - ⊗ HEAVY SOLID ITEM INDICATES NEW EQUIPMENT.

## GENERAL NOTES

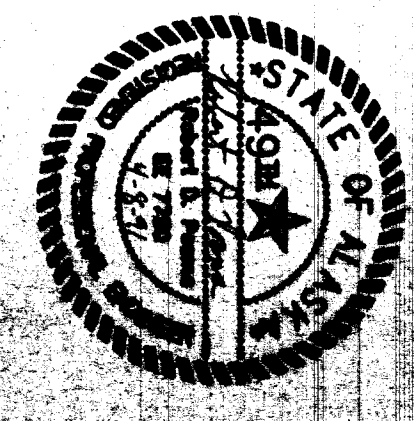
1. INCLUDE GROUNDING CONDUCTOR IN ALL BRANCH CIRCUITS WITH PUL-IN-TYPE UTILIZATION EQUIPMENT.
2. MATERIALS REMOVED SHALL BE DISPOSED OF IN THE MANNER DIRECTED BY THE CONTRACTING OFFICER. LIGHTING FIXTURES REMOVED SHALL BE RETURNED TO THE OWNER.
3. WHERE NOTED OR REQUIRED, ALL CONDUIT AND WIRE SHALL BE PROPERLY CAPED AND TERMINATED IN SUCH A MANNER AS TO BE NON-HAZARDOUS.
4. REMOVE ALL AUXILIARY MATERIALS AND APPURTENANCES SUCH AS MOUNTING HARDWARE, SUPPORTS, IDENTIFICATION, ETC. ASSOCIATED WITH EQUIPMENT NOT TO BE REMOVED.
5. ALL EXISTING BUILDING EQUIPMENT SHALL REMAIN AS PRESENTLY INSTALLED UNLESS OTHERWISE NOTED OR AS MAY BE REQUIRED TO ACCOMMODATE THE NEW WORK.

## LIGHTING FIXTURE SCHEDULE

KEY	NO.	TYPE	DESCRIPTION	MOUNTING	MANUFACTURER'S NO. (SEE NOTES)
A/100	2	F40LW/RS/MW	2' X 4' FLUORESCENT TROFFER WITH SEMI-SPECULAR PARABOLIC ALUMINUM PARABOLIC 12-CELL LOUVER.	RECESSED, CEILING.	COLUMBIA #P4-2426-43263-1, (120 V)
B/150	3	F40LW/RS/MW	2' X 4' FLUORESCENT TROFFER WITH SEMI-SPECULAR PARABOLIC ALUMINUM PARABOLIC 18-CELL LOUVER. SEE NOTE 5. PROVIDE TWO 2-LAMP PARALLEL BALLASTS PER FIXTURE.	RECESSED, CEILING.	COLUMBIA #P4-2426-43263-1, (120 V)
C/	NOT USED.				
D/28	2	F437T/2TK	8" NOM. DIA. X 7" NOM. HEIGHT COMPACT FLOOR COMPACT FLOOR OR HANGING HOUSING AND SPECULAR CLEAR ALZAK REFLECTOR CONE WITH WHITE TRIM FLANGE.	RECESSED, CEILING.	LIGHTOLIER #P035-40 (120 V)
E/18	2	F917T/2TK	11" NOM. DIA. X 6" NOM. HEIGHT COMPACT FLOOR OR HANGING HOUSING AND SPECULAR CLEAR ALZAK REFLECTOR CONE WITH WHITE TRIM FLANGE.	SURFACE, CEILING.	LIGHTOLIER #P774 (120 V)
F/100	2	F40LW/RS/MW	EXISTING 2' X 4' FLUORESCENT TROFFER WITH PRESATLITE DIAL APP. CLEAN AND REPAIR.	SURFACE, CEILING.	EXISTING FIXTURE
H/100	2	F40LW/RS	2' X 4' FLUORESCENT TROFFER WITH SEMI-SPECULAR PARABOLIC ALUMINUM PARABOLIC 12-CELL LOUVER. PROVIDE STANDARD MAGNETIC BALLAST.	SURFACE, CEILING.	COLUMBIA #SP2-242-44228-1.
I/100	2	F40LW/RS/MW	1' X 4' INDUSTRIAL TYPE FLOOR W/100 UP LIGHT AND WHITE FINISH.	SURFACE, CEILING.	LITHONIA #AF-240-120.
K/100	2	F40LW/RS/MW	7 1/2" X 4 1/2" X 1 1/2" X 1 1/2" TYPICAL ACRYLIC WRAP AROUND INJECTION MOLDED END CAPS AND WHITE FINISH.	SURFACE, CEILING.	LITHONIA #SP2-C9-240-A-120.
L/100	2	F40LW/RS/MW	NOMINAL 7 1/2" X 7 1/2" X 1 1/2" FLUORESCENT W/BIWAVED WHITE ENAMEL FINISH AND 100% VIRGIN ACRYLIC PRESATLITE DIFFUSER.	SURFACE, WALL, W/BOT. AT TOP OF MIRROR.	ALIKCO #3146, (120 V)
M/100	1	100W/A21	ENCLOSED AND GASKETED W/ICAST HOUSING AND GLASS GLOBE.	SURFACE, WALL.	APPLETON #GAT090 (120 V)
N/100	2	F40LW/RS/MW	2' X 4' FLUORESCENT TROFFER WITH SEMI-SPECULAR PARABOLIC ALUMINUM PARABOLIC 12-CELL LOUVER.	SURFACE, CEILING.	COLUMBIA #SP2-242-44228-1.
O/50	1	F40LW/RS/MW	7 1/2" X 4 1/2" X 1 1/2" X 1 1/2" TYPICAL ACRYLIC WRAP AROUND INJECTION MOLDED END CAPS AND WHITE FINISH.	SURFACE, CEILING.	LITHONIA #C9-240-A-120.

KEY	NO.	TYPE	DESCRIPTION	MOUNTING	MANUFACTURER'S NO. (SEE NOTES)
P/60	1	60/A-21	ENCLOSED AND GASKETED FIXTURE WITH CAST ALUMINUM HOUSING SUITABLE FOR USE IN WET LOCATIONS.	SURFACE, CEILING.	APPLETON #FA-1060
EX/25	(FINISHED W/ANT)		SELF-CONTAINED EMERGENCY EXIT SIGN W/NUMBER OF FACES, NO. & DIRECTION ON DRAWINGS, 120 V, GREEN LETTERS ON WHITE BACKGROUND, CAST ALUMINUM HOUSING.	WALL, UP 7'-6" U.O.N. OR SURFACE AS SHOWN.	RADIANT #LLM #EXL-12006A-6, 10/14/19/AS (SEE NOTES FOR APPLICATION)
K/A/50	(FINISHED W/ANT)		SELF-CONTAINED EMERGENCY LIGHTING UNIT, 120 V, 4-1/2" HEADS C/INDERS, BLACK CANOPY/CONNECTN BOX.	WALL, UP 7'-6" U.O.N.	DUAL-LITE #ESC-204.

- NOTES:
1. PROVIDE ALL MOUNTING ACCESSORIES, TRIM, FLANGES, OUTLET BOXES, ETC. FOR COMPLETE AND FINISHED INSTALLATION.
  2. PROVIDE ENERGY CONSERVING BALLASTS IN COMBINATION WITH ENERGY CONSERVING FLUORESCENT LAMPS, FOR FLUORESCENT FIXTURES U.O.N.
  3. PROVIDE ALL FIXTURES WITH LABEL, SUITABLE FOR APPLICATION PER N.E.C.
  4. MANUFACTURERS LISTED ARE TO ESTABLISH A LEVEL OF QUALITY AND TYPE OF EQUIPMENT. SIMILAR EQUIPMENT MAY BE SUBMITTED FOR APPROVAL AS EQUAL.
  5. OUTBOARD TWO LAMPS SHALL BE CONTROLLED SEPARATELY FROM INBOARD LAMP FOR THREE LEVEL OPERATION.



Consultants:  
**FPE/roen**  
 Engineers, Inc.  
 560 EAST 34TH AVENUE  
 ANCHORAGE, ALASKA 99503  
 907-561-1848

WRANGELL MIDDLE SCHOOL REMODEL  
 WRANGELL  
 PHASE III  
 ELECTRICAL

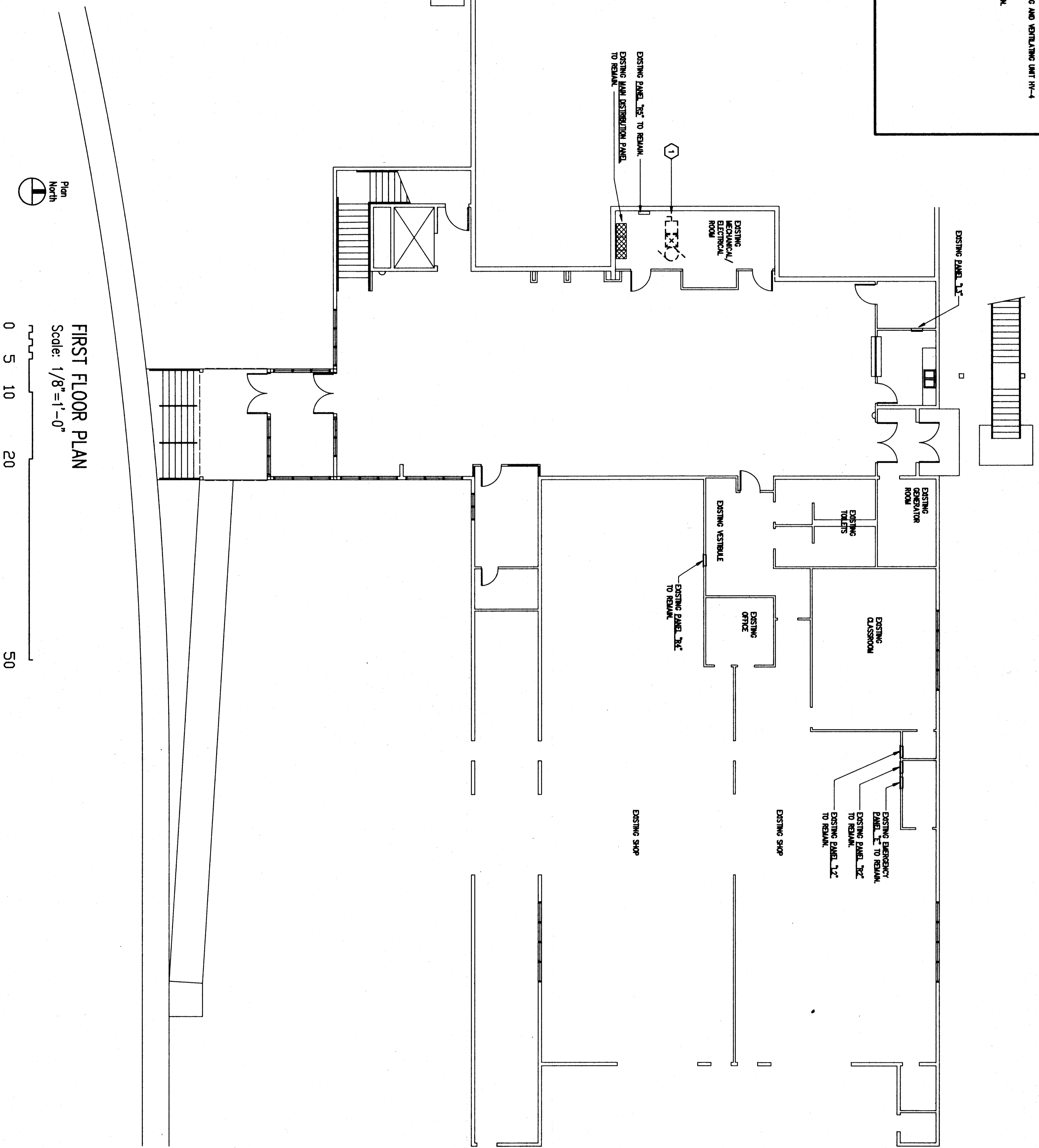
job no. **088-8100**  
 drawn by **SR**  
 date **4/28/77**

**SYMBOLS,  
 NOTES &  
 SCHEDULE**

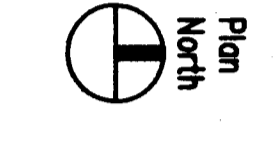
ORCHARD ARCHITECTURE  
 130 second street, anchorage  
 Juneau alaska 99801

**SHEET NOTES**

- 1 RECONNECT AND REMOVE WIRING AND CONDUIT TO EXISTING HEATING AND VENTILATING UNIT (HV-4) BACK TO EXISTING PANEL, 3XC
- 2 MAINTAIN CIRCUIT CONTINUITY FOR ELECTRICAL EQUIPMENT TO REMAIN.



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



0 5 10 20 50

clm  
betts  
and  
company  
architectural/planning  
130 second street, suite 202  
Juneau, alaska 99801



CONSULTANTS:  
FPE/Roen  
Engineers, Inc.  
360 EAST 24th, SUITE 204  
ANCHORAGE, ALASKA 99501  
907-561-1846

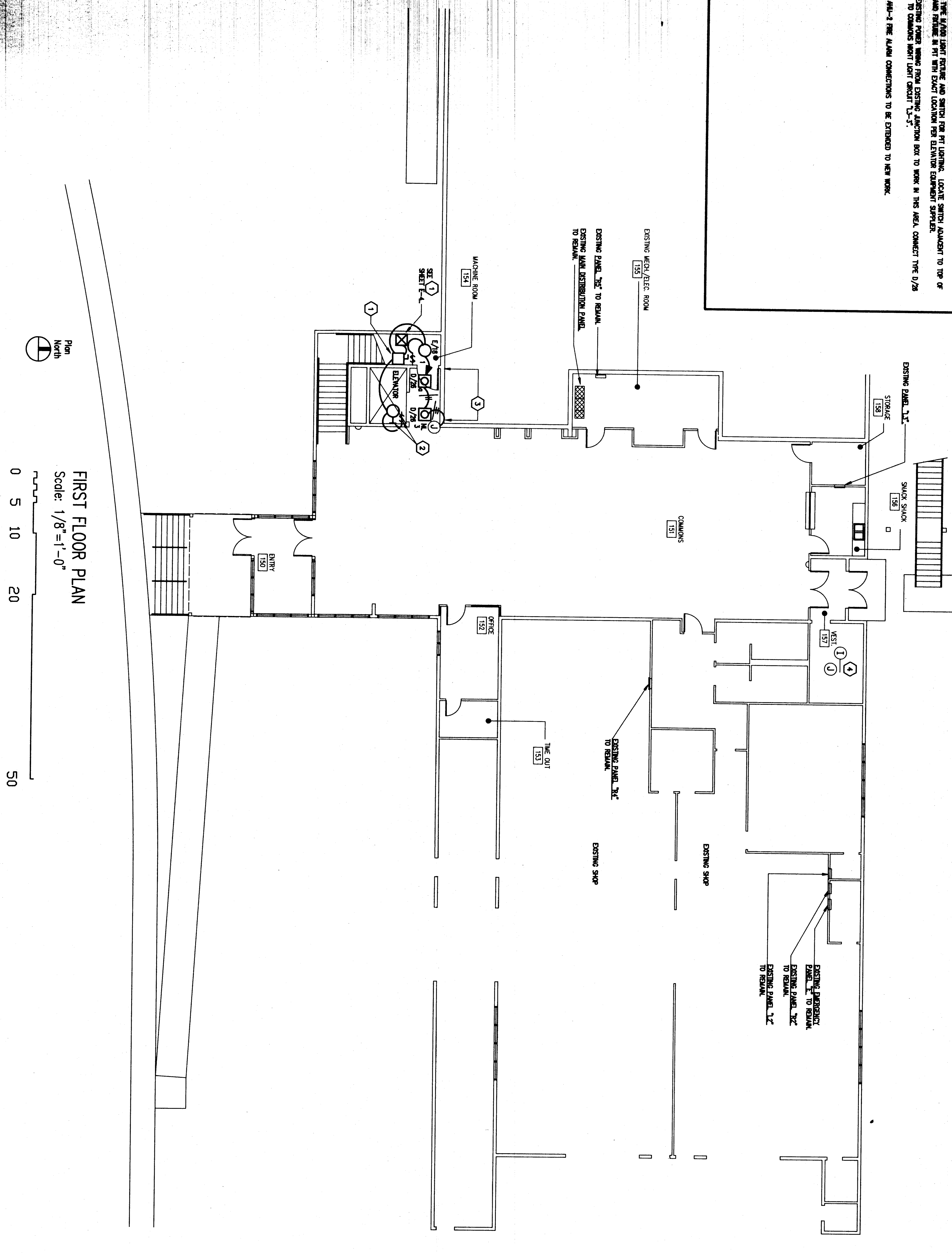
**WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA**  
**PHASE III  
ELECTRICAL DEMOLITION**

job no. 088-8702  
drawn by BRJ/ML  
date 4/26/78

**1ST FLOOR**

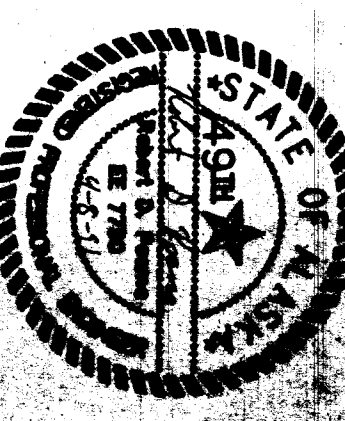
SHEET NOTES

- 1) SHOWING CABLE TRAYS, SWITCHES AND PIPING IN THIS SET AND THIS IS RECOMMENDED BY THE ARCHITECT. VERIFY THE SIZE AND TYPE OF CABLE TRAYS WITH THE ELECTRICAL CONTRACTOR.
- 2) PROVIDE THE MAIN LIGHT FIXTURES AND SWITCHES FOR THE LIGHTING. LOCATE SWITCHES TO TOP OF WALLS AND PROVIDE IN FIT WITH EXACT LOCATION FOR ELEVATOR EQUIPMENT SUPPLIER.
- 3) EXISTING EXTERIOR POWER RUNNING FROM EXISTING JUNCTION BOX TO WORK IN THIS AREA. CONNECT THE 0/28 FEEDERS TO EXISTING MAIN LIGHT CIRCUIT "L-2".
- 4) EXISTING MAIN-2 THE ALARM CONNECTIONS TO BE EXTENDED TO NEW WORK.



FIRST FLOOR PLAN  
Scale: 1/8"=1'-0"  
0 5 10 20 50

Charles  
bell  
and  
company  
architectural planning  
130 second street, suite 200  
Juneau, alaska 99801



consultants:  
FRYER/PRESSLEY  
ENGINEERING, INC.  
CONSULTING ENGINEERS  
400 EAST 34TH STREET  
ANCHORAGE, ALASKA 99503  
907-581-1666

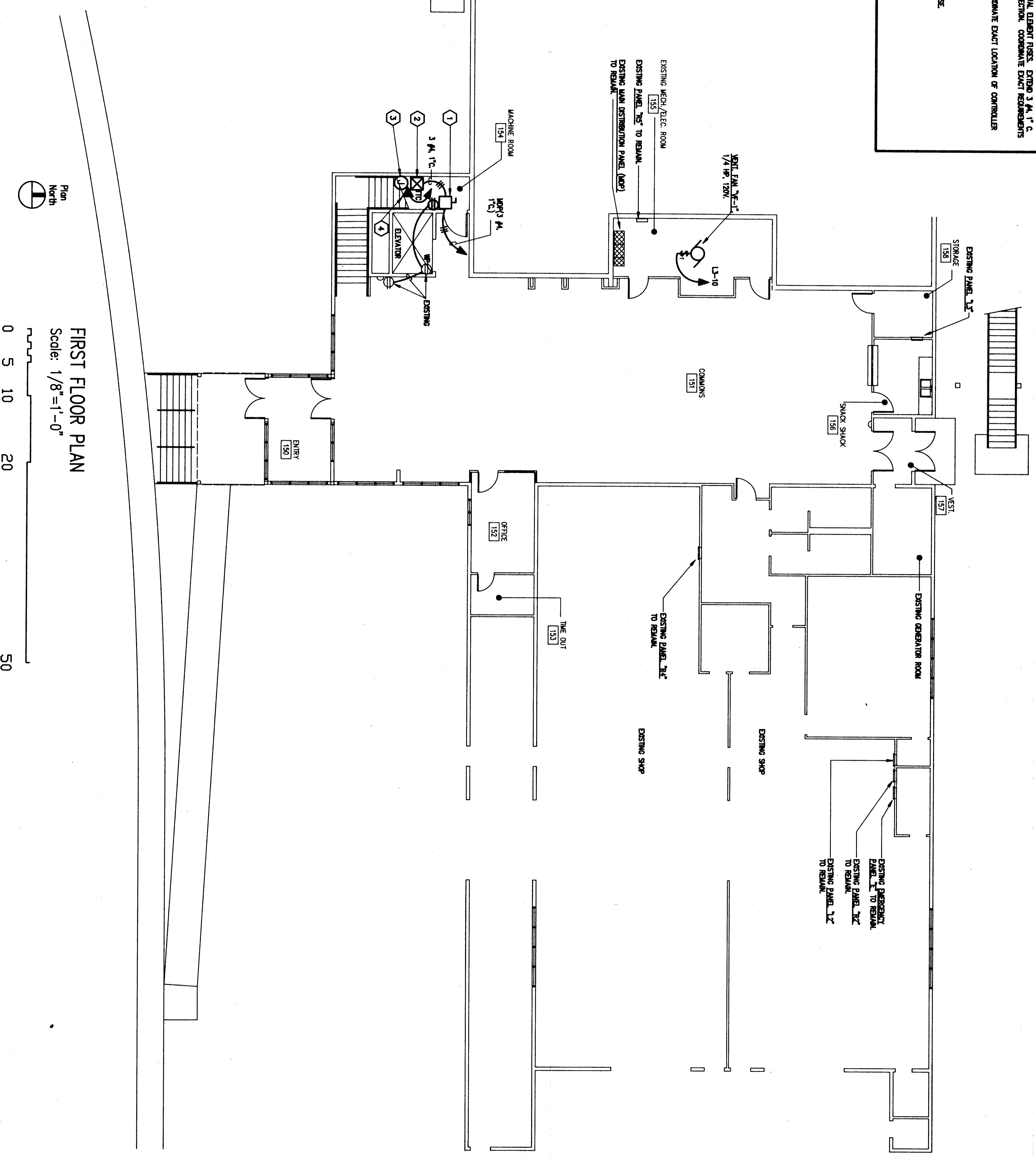
WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA  
PHASE II  
ELECTRICAL - LIGHTING

job no. 088-81507  
drawn by SFC  
date 4/09/01

1ST FLOOR

SHEET NOTES

- 1) PROVIDE 20 AMP 250V SAFETY SWITCH WITH 3-POLY 250V TYPE TULL REPORT RIBS. EXHIBIT 3.4.1.1.1. C. AND CONNECT TO EXIST. CONTROLLER PROVIDED UNDER 250V SAFETY SWITCH. COORDINATE EXACT LOCATION OF CONTROLLER WITH ELEV. CONTRACTOR.
- 2) ELEVATOR CONTRACTOR PROVIDED UNDER 250V SAFETY SWITCH. COORDINATE EXACT LOCATION OF CONTROLLER AND TYPE OF CONNECTION WITH ELEVATOR EQUIPMENT SUPPLIER.
- 3) PROVIDE ONE ALARM CONNECTION TO ELEVATOR CONTRACTOR.
- 4) PROVIDE TELEPHONE OUTLET FOR ELEVATOR EQUIPMENT SUPPLIER USE.



FIRST FLOOR PLAN  
 Scale: 1/8"=1'-0"  
 0 5 10 20 50



DESIGNED BY  
 ARCH.  
 COMPLETED  
 architectural planning  
 130 spowd street, suite 506  
 Juneau, Alaska, 99801



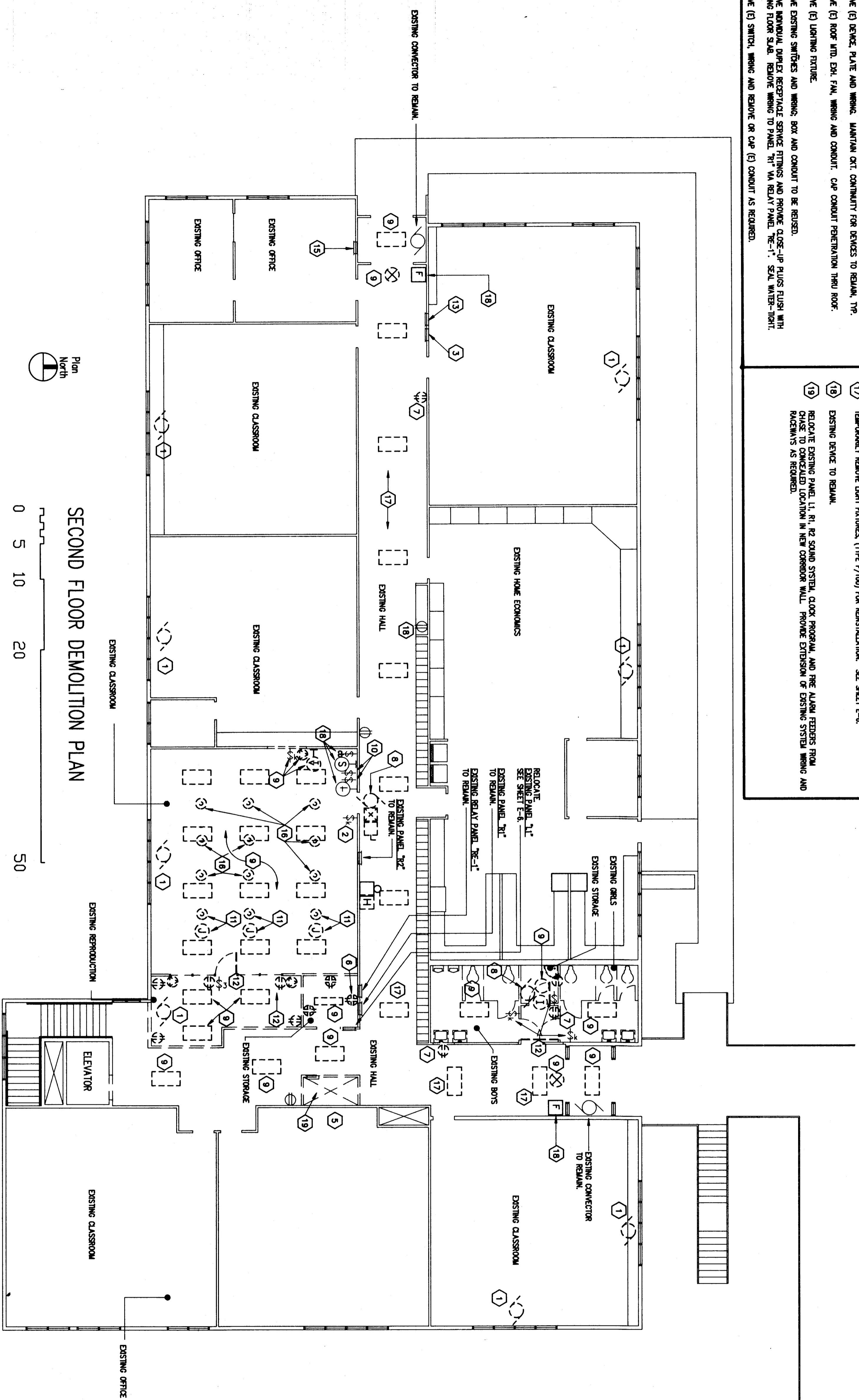
CONSULTANTS:  
 FRYER/PRESSLEY  
 ENGINEERING, INC.  
 CONSULTING ENGINEER  
 500 W. 10TH AVE., SUITE 200  
 ANCHORAGE, AK 99503  
 907-561-1686

WRANGELL MIDDLE SCHOOL REMODEL  
 WRANGELL ALASKA  
 PHASE III  
 ELECTRICAL POWER

job no. 088-01000  
 drawn by SEF  
 date 4/26/81  
 1ST FLOOR

- SHEET NOTES**
1. DISC. (E) CONNECTIONS. REMOVE PNL. WIRING AND REMOVE OR CAP (E) CONDUIT AS REQD.
  2. REMOVE (E) EXIST. MOUNTING CONTACT SWITCH AND (E) WIRING TO COIL OF CONTACTOR IN RELAY PANEL, "R-1" CONTROLLING CIRCUITS R1-2,4,6.
  3. (E) FLUSH TELEPHONE TERMINAL CABINET ADVANCED TO REMAIN.
  4. NOT USED.
  5. CORRECTIVE OWNER'S RELOCATION OF EXISTING TELEPHONE TERMINAL CABINET WITH DEMOLITION WORK.
  6. REMOVE EXISTING DOUBLE SWITCH RECEPTACLES, TYPICAL, THIS ROOM.
  7. REMOVE (E) DEVICE, PLATE AND WIRING. MAINTAIN OTC CONTINUITY FOR DEVICES TO REMAIN, TYP.
  8. REMOVE (E) ROOF INTL. DEL. PAN. WIRING AND CONDUIT. CAP CONDUIT PENETRATION THRU ROOF.
  9. REMOVE (E) LIGHTING FIXTURE.
  10. REMOVE EXISTING SWITCHES AND WIRING. BOX AND CONDUIT TO BE REUSED.
  11. REMOVE MANUAL SWITCH RECEPTACLE SERVICE FITTINGS AND PROVIDE CLOSE-UP PLUGS FLUSH WITH EXISTING FLOOR SLAB. REMOVE WIRING TO PANEL, "R1" IN RELAY PANEL, "R-1". SEE SHEET E-4.
  12. REMOVE (E) SWITCH, WIRING AND REMOVE OR CAP (E) CONDUIT AS REQUIRED.

13. (E) FLUSH PULL BOX FOR (E) PROGRAM CLOCK INTERCOM AND TELEVISION TO REMAIN.
14. MAINTAIN CIRCUIT CONTINUITY FOR ELECTRICAL EQUIPMENT TO REMAIN.
15. EXISTING MIDDLE SCHOOL FLUSH FIRE ALARM PANEL, TO REMAIN. SEE DETAIL 3, SHEET E-4.
16. REMOVE MANUAL SWITCH RECEPTACLE SERVICE FITTINGS AND PROVIDE CARPET PLUNGES AND CLOSE-UP ALTERNATE NO. 1. PROVIDE CLOSE-UP PLUG (ABANDON PLATE) FLUSH WITH EXISTING FLOOR SLAB.
17. TEMPORARILY REMOVE LIGHT FIXTURES, (TYPE 1/100) FOR REINSTALLATION. SEE SHEET E-4.
18. EXISTING DEVICE TO REMAIN.
19. RELOCATE EXISTING PANEL L1, R1, R2 SOUND SYSTEM, CLOCK PROGRAM, AND THE ALARM REEDERS FROM CHASE TO CONCEALED LOCATION IN NEW CORRIDOR WALL. PROVIDE EXTENSION OF EXISTING SYSTEM WIRING AND RACKMATS AS REQUIRED.



SECOND FLOOR DEMOLITION PLAN

architecteplanning  
130 seaward street, suite506  
Juneau, alaska 99801

**charles  
bettsworth  
and  
company**

CONSULTANTS:  
**FRYER/PRESSLEY  
ENGINEERING, INC.**  
CONSULTING ENGINEERS  
300 ANCHORAGE, AK 99503  
907-561-1666

**WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL ALASKA**

**PHASE III  
ELECTRICAL - DEMOLITION**

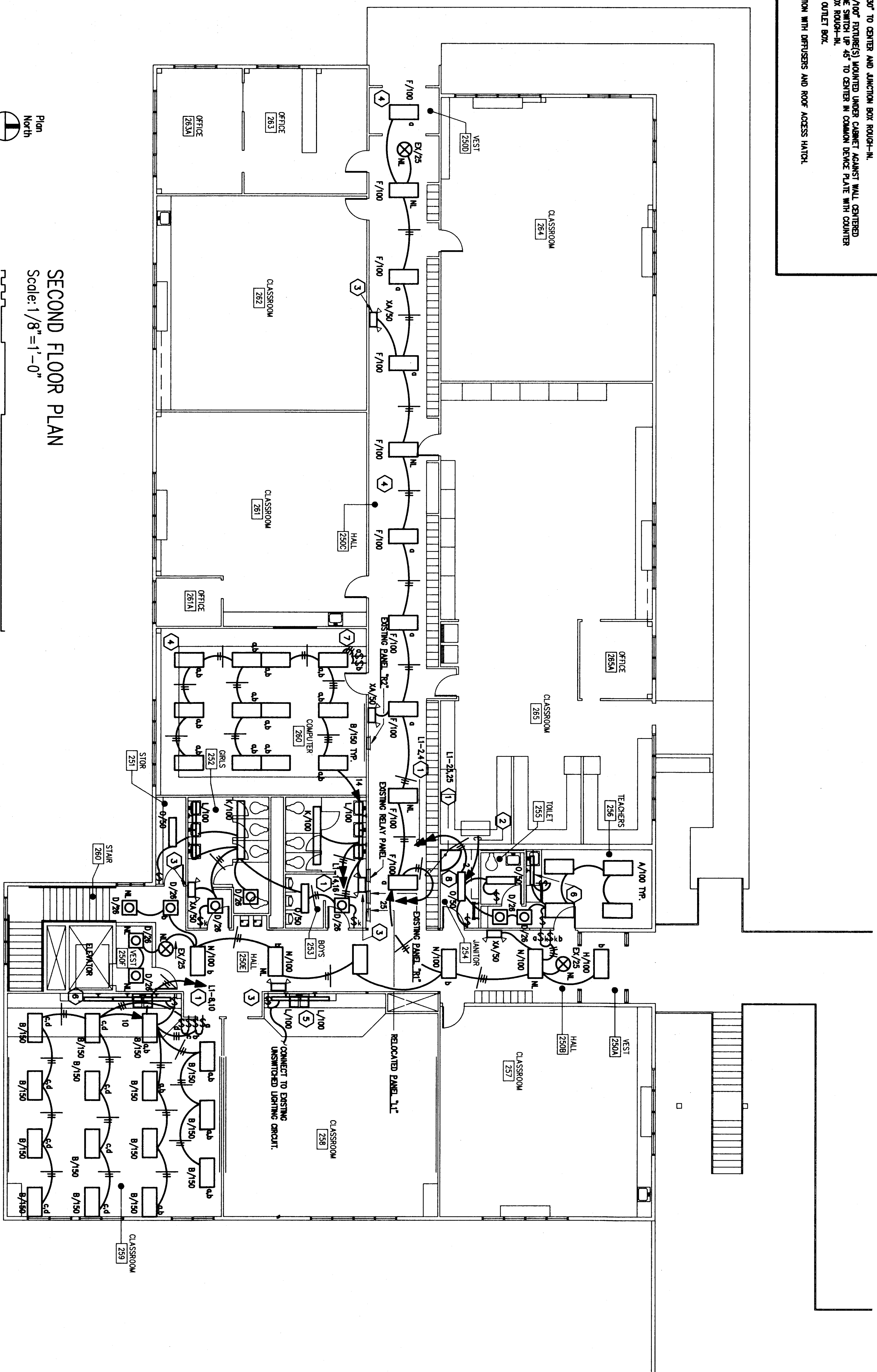
job no. **089-915024**  
drawn by **SF**  
date **4/08/91**

**2ND FLOOR**

E-5

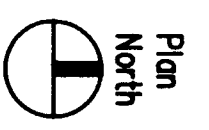
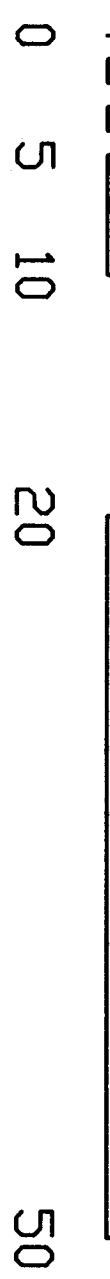
SHEET NOTES

- 1 CONNECT TO EXISTING 240V/1P CIRCUIT BREAKERS FOR CIRCUITS INDICATED.
- 2 CONNECT TO EXISTING LIGHTING FIXTURE TO MAINTAIN EXISTING CIRCUIT CONTINUITY.
- 3 MOUNT AS CLOSE TO CEILING AS POSSIBLE.
- 4 REINSTALL EXISTING FIXTURES, CLEAN AND REPAIR.
- 5 ALTERNATE NO. 2 PROVIDE "L" OR "U" FIXTURES MOUNTED UNDER CABINET AGAINST WALL.
- 6 ALTERNATE NO. 2 PROVIDE SWITCH UP "3" TO CENTER AND JUNCTION BOX ROOM-N.
- 7 ALTERNATE NO. 2 PROVIDE "L" OR "U" FIXTURE(S) MOUNTED UNDER CABINET AGAINST WALL, CENTERED ON RECEPTACLE AND JUNCTION BOX ROOM-N.
- 8 PROVIDE SWITCHES IN CEILING OUTLET BOX.
- 9 COORDINATE FIXTURE INSTALLATION WITH DIFFUSERS AND ROOF ACCESS VALVES.



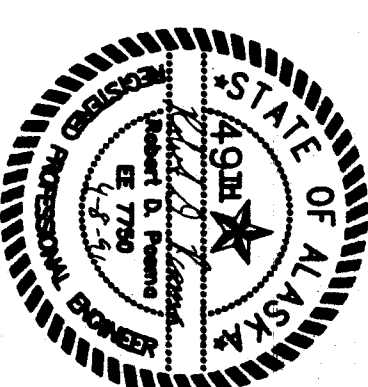
SECOND FLOOR PLAN

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



charles  
bellisworth  
and  
company

architecture planning  
130 seaward street, suite 505  
Juneau, alaska 99801



consultants:

FRYER/PRESSLEY  
ENGINEERING, INC.  
CONSULTING ENGINEERS 300  
ANCHORAGE, AK 99505  
907-561-1666

WRANGELL MIDDLE SCHOOL REMODEL  
WRANGELL  
ALASKA  
PHASE III  
ELECTRICAL - LIGHTING

job no. 088-915024  
drawn by SRF  
date 4/08/91

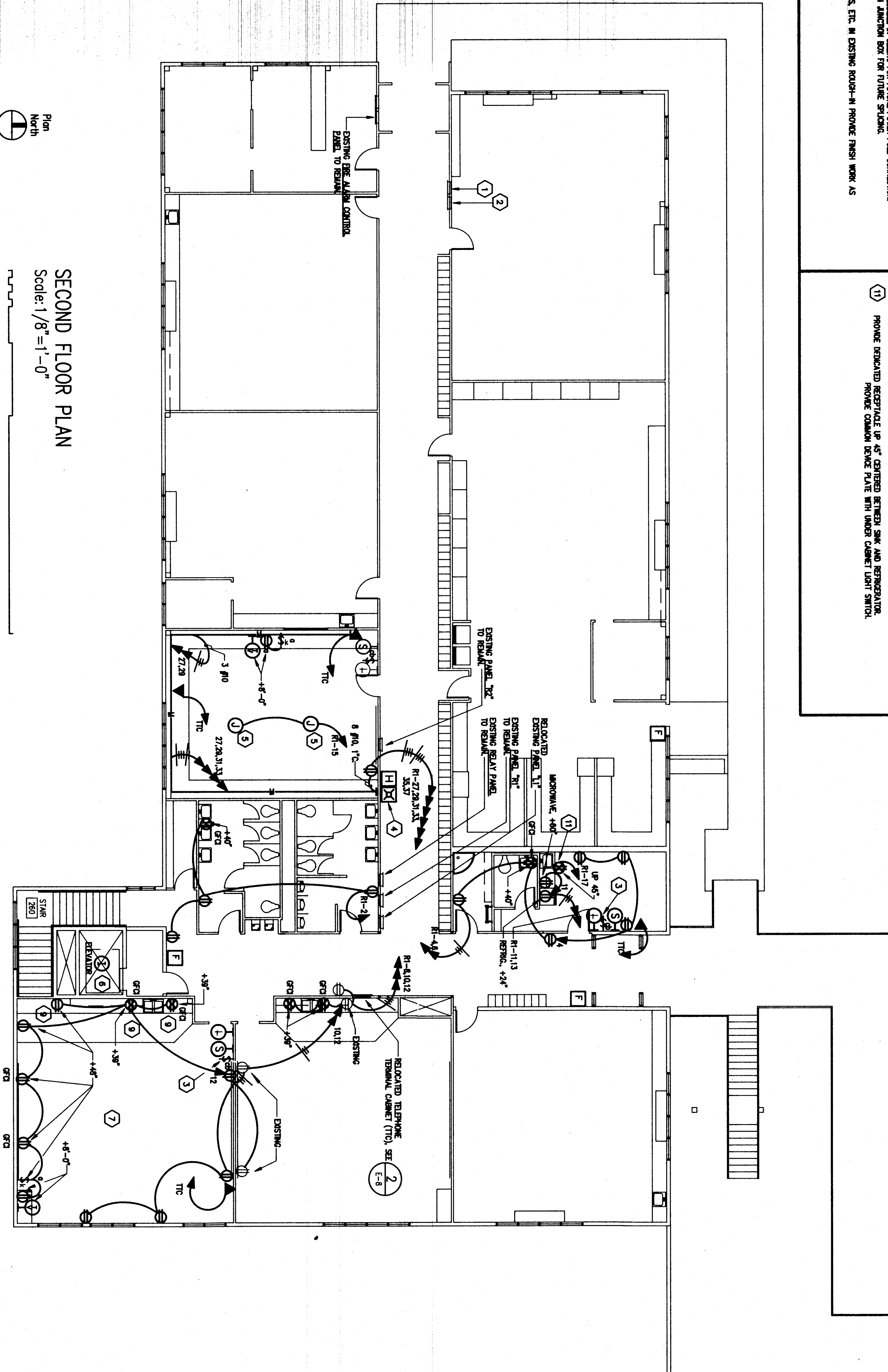
2ND FLOOR

E-6

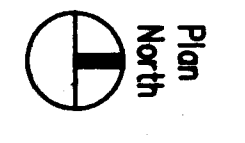
**SHEET NOTES**

- 1) REMOVE EXISTING WALLS FOR EXISTING PROGRAM CLOCK, ANTIBACK AND TELEPHONE TO REMAIN.
- 2) RELOCATE EXISTING TELEPHONE TERMINAL CABINET ABANDONED TO REMAIN.
- 3) RELOCATE EXISTING SPLIT-WALK SWITCH. SEE SPECIFICATIONS.
- 4) REMOVE EXISTING ALARM SYSTEM WIRE/LIGHT AND CONNECT TO EXISTING HOORN WORK.
- 5) REMOVE EXISTING ALARM SYSTEM WIRE/LIGHT AND CONNECT TO EXISTING HOORN WORK.
- 6) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 7) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 8) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 9) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 10) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 11) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 12) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 13) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 14) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 15) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 16) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 17) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 18) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 19) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 20) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 21) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 22) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 23) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 24) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 25) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 26) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 27) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 28) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 29) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 30) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 31) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 32) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 33) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 34) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 35) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 36) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 37) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 38) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 39) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 40) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 41) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 42) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 43) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 44) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 45) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 46) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 47) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 48) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 49) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.
- 50) PROVIDE 1" x 4" JOIST ACCESSIBLE CEILING FOR FUTURE SPEAKERS. PROVIDE AT TOP OF SHAFT.

- 4) RELOCATE EXISTING PANEL 11, R1 & R2 SOUND SYSTEM CLOCK PROGRAM AND PER ALARM FEEDING FROM BACKWARDS AS REQUIRED.
- 5) PROVIDE NEW DEVICE RECEIVERS, WIRING AS SHOWN. ROOMS-N NOT COMPLETED.
- 6) EXISTING PROGRAM CLOCK & ANTIBACK. CALL- BACK SWITCH TO REMAIN.
- 7) PROVIDE RELOCATED ACCEPTANCE UP 4" CENTERED BETWEEN SINK AND REFRIGERATOR. PROVIDE COMMON DEVICE PLATE WITH UNDER CABINET LIGHT SWITCH.



**SECOND FLOOR PLAN**  
Scale: 1/8"=1'-0"  
0 5 10 20 50



**DELTA**  
and  
**company**  
130 Second Street  
Juneau, Alaska



Consultants:  
**FRYER/PRESSLEY**  
ENGINEERING, INC.  
1000 Seward Street  
Juneau, Alaska 99801  
907-581-1888

**WRANGELL MIDDLE SCHOOL REMODEL**  
**WRANGELL ALASKA**  
**PHASE III**  
**ELECTRICAL POWER**

Job no. \_\_\_\_\_  
drawn by **7/10/AT**  
date \_\_\_\_\_

**2ND FLOOR**



### EXISTING PANEL "1" SCHEDULE

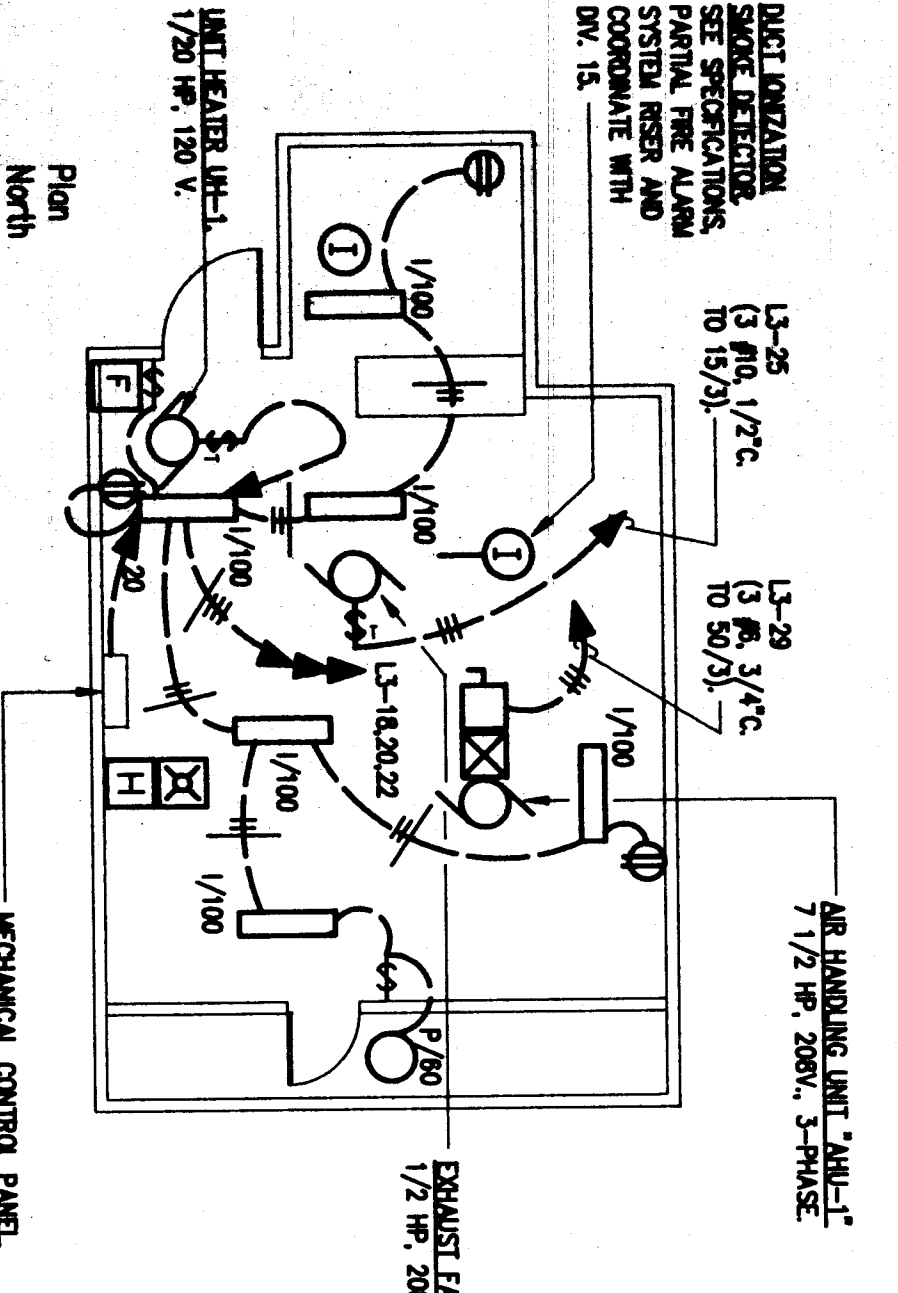
NO.	TRIP	LOAD SERVED	NO.	TRIP	LOAD SERVED
1	20	LIGHTING SCIENCE	1	20	LIGHTING HOME EC.
2	20	LIGHTING SCIENCE	2	20	LIGHTING HOME EC.
3	20	LIGHTING SCIENCE	3	20	LIGHTING HOME EC.
4	20	LIGHTING SCIENCE	4	20	LIGHTING HOME EC.
5	20	LIGHTING SCIENCE	5	20	LIGHTING HOME EC.
6	20	LIGHTING HOME EC.	6	20	LIGHTING HOME EC.
7	20	LIGHTING HOME EC.	7	20	LIGHTING HOME EC.
8	20	LIGHTING HOME EC.	8	20	LIGHTING HOME EC.
9	20	LIGHTING HOME EC.	9	20	LIGHTING HOME EC.
10	20	LIGHTING HOME EC.	10	20	LIGHTING HOME EC.
11	20	LIGHTING HOME EC.	11	20	LIGHTING HOME EC.
12	20	LIGHTING HOME EC.	12	20	LIGHTING HOME EC.
13	20	LIGHTING HOME EC.	13	20	LIGHTING HOME EC.
14	20	LIGHTING HOME EC.	14	20	LIGHTING HOME EC.
15	20	LIGHTING HOME EC.	15	20	LIGHTING HOME EC.
16	20	LIGHTING HOME EC.	16	20	LIGHTING HOME EC.
17	20	LIGHTING HOME EC.	17	20	LIGHTING HOME EC.
18	20	LIGHTING HOME EC.	18	20	LIGHTING HOME EC.
19	20	LIGHTING HOME EC.	19	20	LIGHTING HOME EC.
20	20	LIGHTING HOME EC.	20	20	LIGHTING HOME EC.
21	20	LIGHTING HOME EC.	21	20	LIGHTING HOME EC.
22	20	LIGHTING HOME EC.	22	20	LIGHTING HOME EC.
23	20	LIGHTING HOME EC.	23	20	LIGHTING HOME EC.
24	20	LIGHTING HOME EC.	24	20	LIGHTING HOME EC.
25	20	LIGHTING HOME EC.	25	20	LIGHTING HOME EC.
26	20	LIGHTING HOME EC.	26	20	LIGHTING HOME EC.
27	20	LIGHTING HOME EC.	27	20	LIGHTING HOME EC.
28	20	LIGHTING HOME EC.	28	20	LIGHTING HOME EC.
29	20	LIGHTING HOME EC.	29	20	LIGHTING HOME EC.

### EXISTING PANEL "3" SCHEDULE

NO.	TRIP	LOAD SERVED	NO.	TRIP	LOAD SERVED
1	20	ELV. LITS. & PWR.	1	20	LIGHTING COMMONS
2	20	ELV. LITS. & PWR.	2	20	LIGHTING COMMONS
3	20	ELV. LITS. & PWR.	3	20	LIGHTING COMMONS
4	20	ELV. LITS. & PWR.	4	20	LIGHTING COMMONS
5	20	ELV. LITS. & PWR.	5	20	LIGHTING COMMONS
6	20	ELV. LITS. & PWR.	6	20	LIGHTING COMMONS
7	20	ELV. LITS. & PWR.	7	20	LIGHTING COMMONS
8	20	ELV. LITS. & PWR.	8	20	LIGHTING COMMONS
9	20	ELV. LITS. & PWR.	9	20	LIGHTING COMMONS
10	20	ELV. LITS. & PWR.	10	20	LIGHTING COMMONS
11	20	ELV. LITS. & PWR.	11	20	LIGHTING COMMONS
12	20	ELV. LITS. & PWR.	12	20	LIGHTING COMMONS
13	20	ELV. LITS. & PWR.	13	20	LIGHTING COMMONS
14	20	ELV. LITS. & PWR.	14	20	LIGHTING COMMONS
15	20	ELV. LITS. & PWR.	15	20	LIGHTING COMMONS
16	20	ELV. LITS. & PWR.	16	20	LIGHTING COMMONS
17	20	ELV. LITS. & PWR.	17	20	LIGHTING COMMONS
18	20	ELV. LITS. & PWR.	18	20	LIGHTING COMMONS
19	20	ELV. LITS. & PWR.	19	20	LIGHTING COMMONS
20	20	ELV. LITS. & PWR.	20	20	LIGHTING COMMONS
21	20	ELV. LITS. & PWR.	21	20	LIGHTING COMMONS
22	20	ELV. LITS. & PWR.	22	20	LIGHTING COMMONS
23	20	ELV. LITS. & PWR.	23	20	LIGHTING COMMONS
24	20	ELV. LITS. & PWR.	24	20	LIGHTING COMMONS
25	20	ELV. LITS. & PWR.	25	20	LIGHTING COMMONS
26	20	ELV. LITS. & PWR.	26	20	LIGHTING COMMONS
27	20	ELV. LITS. & PWR.	27	20	LIGHTING COMMONS
28	20	ELV. LITS. & PWR.	28	20	LIGHTING COMMONS
29	20	ELV. LITS. & PWR.	29	20	LIGHTING COMMONS

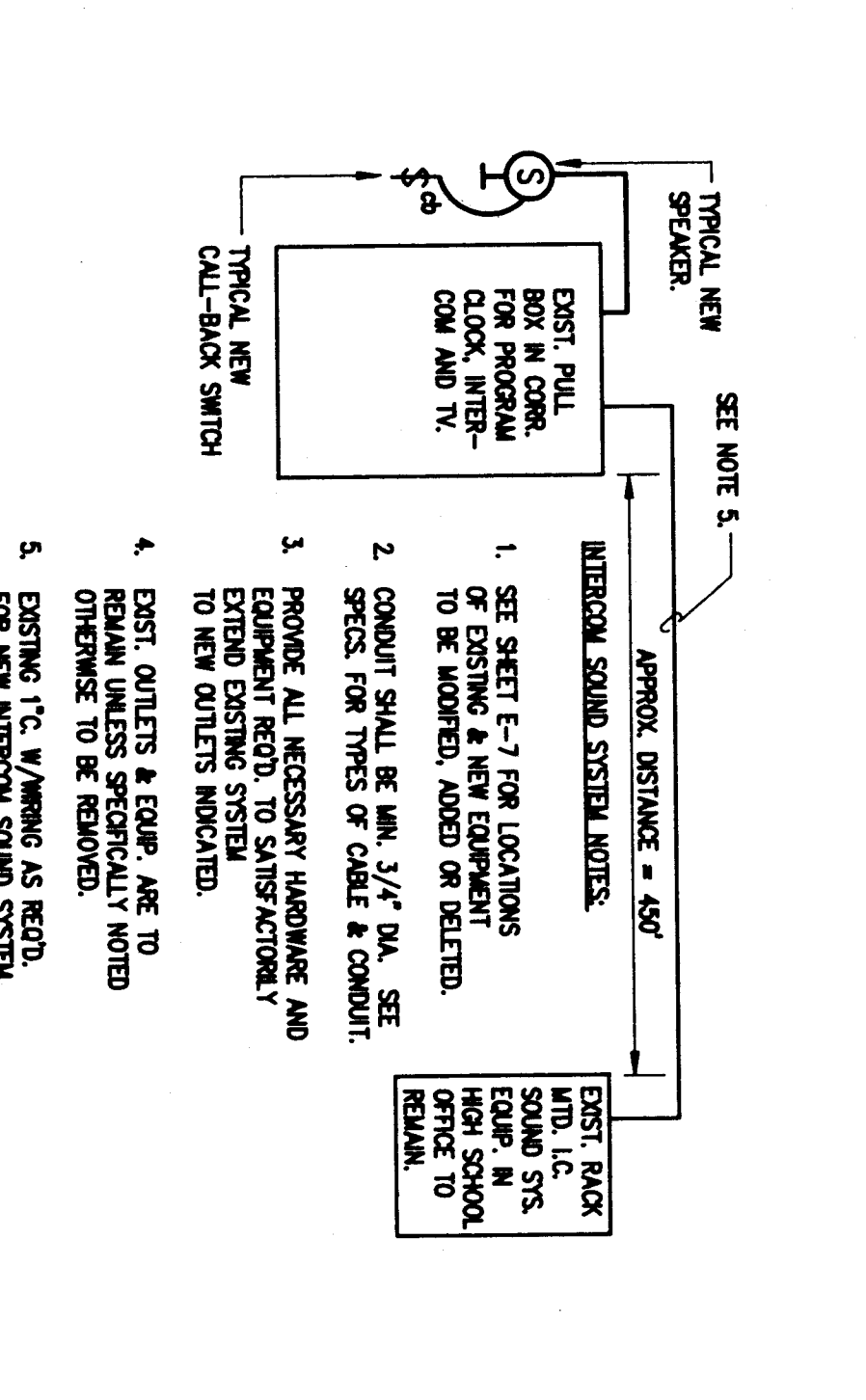
### EXISTING PANEL "R1" SCHEDULE

NO.	TRIP	LOAD SERVED	NO.	TRIP	LOAD SERVED
1	20	OUTLETS HOME EC.	1	20	OUTLETS RESTROOMS
2	20	OUTLETS HOME EC.	2	20	OUTLETS RESTROOMS
3	20	OUTLETS HOME EC.	3	20	OUTLETS RESTROOMS
4	20	OUTLETS HOME EC.	4	20	OUTLETS RESTROOMS
5	20	OUTLETS HOME EC.	5	20	OUTLETS RESTROOMS
6	20	OUTLETS HOME EC.	6	20	OUTLETS RESTROOMS
7	20	OUTLETS HOME EC.	7	20	OUTLETS RESTROOMS
8	20	OUTLETS HOME EC.	8	20	OUTLETS RESTROOMS
9	20	OUTLETS HOME EC.	9	20	OUTLETS RESTROOMS
10	20	OUTLETS HOME EC.	10	20	OUTLETS RESTROOMS
11	20	OUTLETS HOME EC.	11	20	OUTLETS RESTROOMS
12	20	OUTLETS HOME EC.	12	20	OUTLETS RESTROOMS
13	20	OUTLETS HOME EC.	13	20	OUTLETS RESTROOMS
14	20	OUTLETS HOME EC.	14	20	OUTLETS RESTROOMS
15	20	OUTLETS HOME EC.	15	20	OUTLETS RESTROOMS
16	20	OUTLETS HOME EC.	16	20	OUTLETS RESTROOMS
17	20	OUTLETS HOME EC.	17	20	OUTLETS RESTROOMS
18	20	OUTLETS HOME EC.	18	20	OUTLETS RESTROOMS
19	20	OUTLETS HOME EC.	19	20	OUTLETS RESTROOMS
20	20	OUTLETS HOME EC.	20	20	OUTLETS RESTROOMS
21	20	OUTLETS HOME EC.	21	20	OUTLETS RESTROOMS
22	20	OUTLETS HOME EC.	22	20	OUTLETS RESTROOMS
23	20	OUTLETS HOME EC.	23	20	OUTLETS RESTROOMS
24	20	OUTLETS HOME EC.	24	20	OUTLETS RESTROOMS
25	20	OUTLETS HOME EC.	25	20	OUTLETS RESTROOMS
26	20	OUTLETS HOME EC.	26	20	OUTLETS RESTROOMS
27	20	OUTLETS HOME EC.	27	20	OUTLETS RESTROOMS
28	20	OUTLETS HOME EC.	28	20	OUTLETS RESTROOMS
29	20	OUTLETS HOME EC.	29	20	OUTLETS RESTROOMS

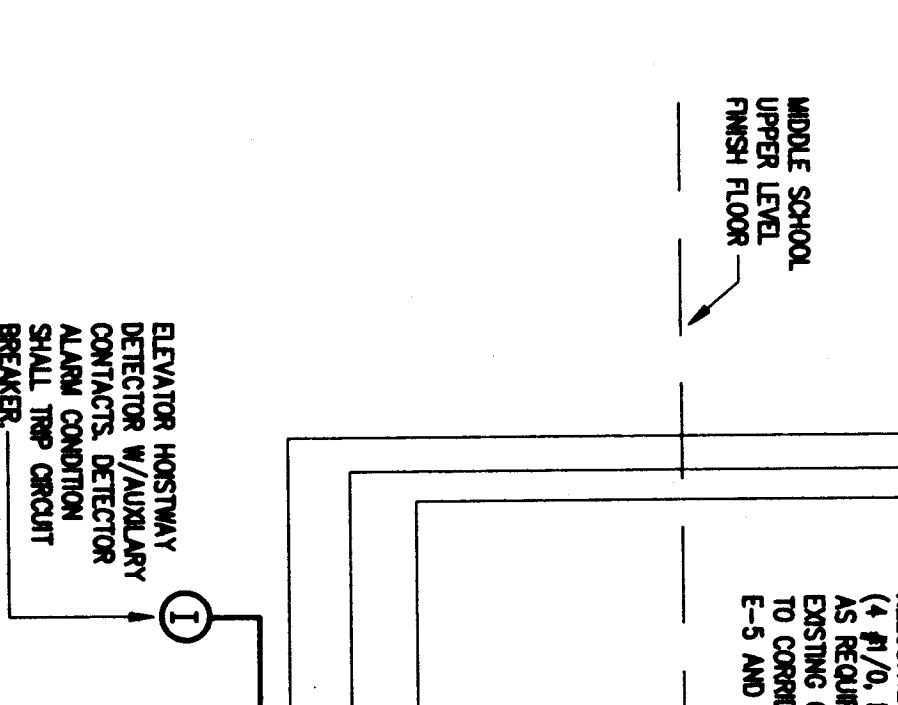


### PENTHOUSE MECHANICAL ROOM ELECTRICAL FLOOR PLAN (PHASE 2)

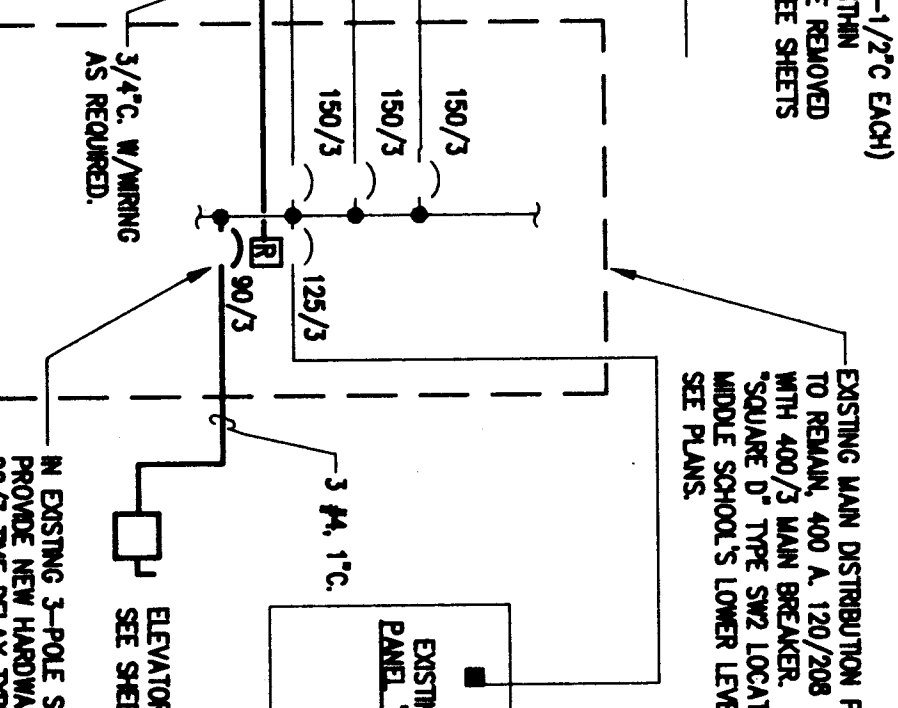
### 1 TELEVISION RISER DIAGRAM (PARTIAL)



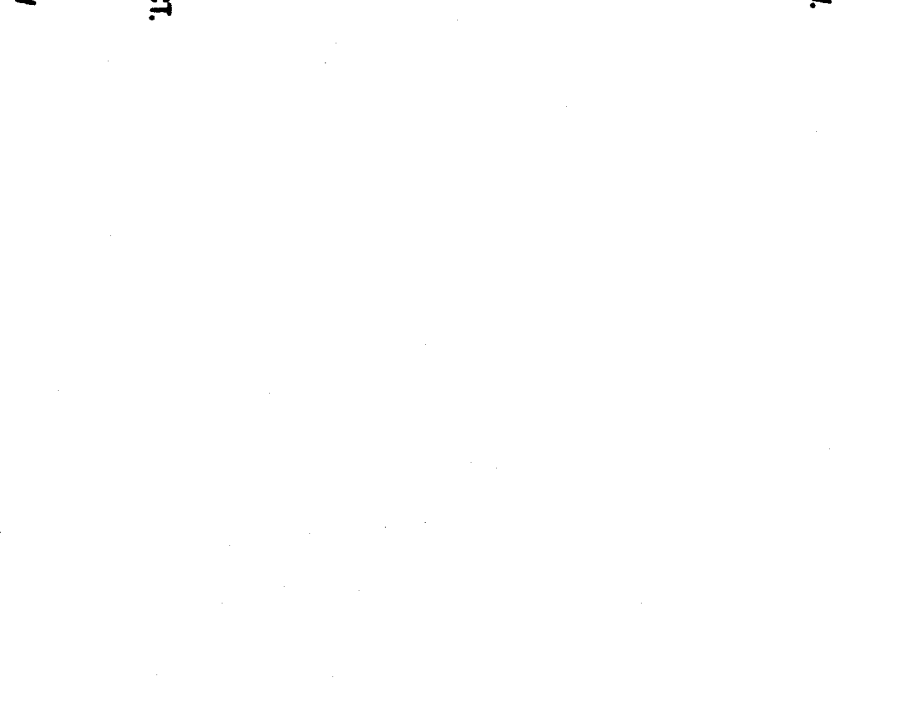
### 2 TELEPHONE RISER DIAGRAM (PARTIAL)



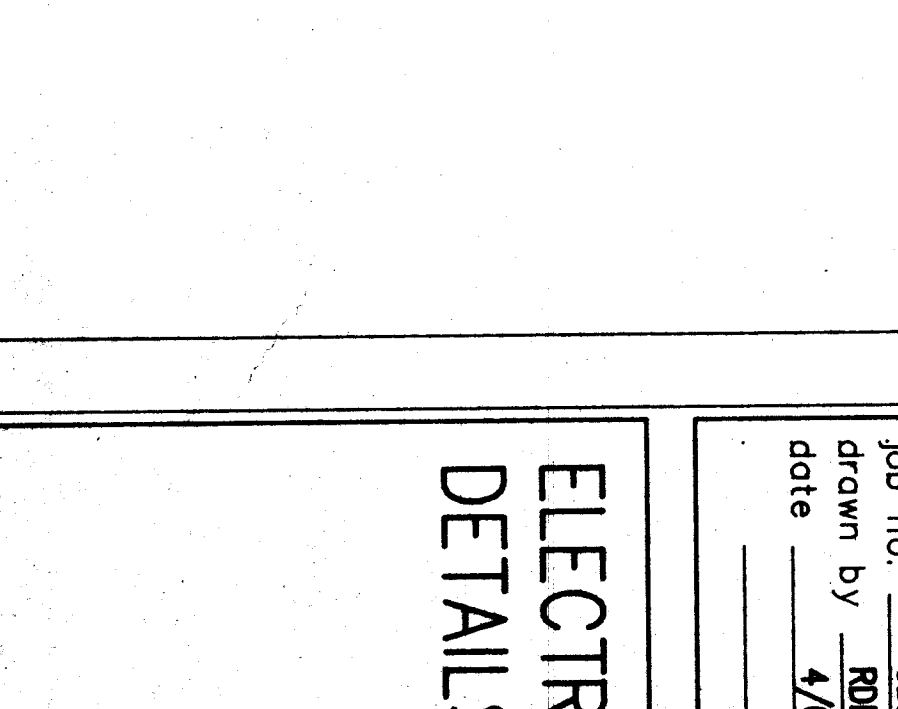
### 3 FIRE ALARM RISER DIAGRAM (PARTIAL)



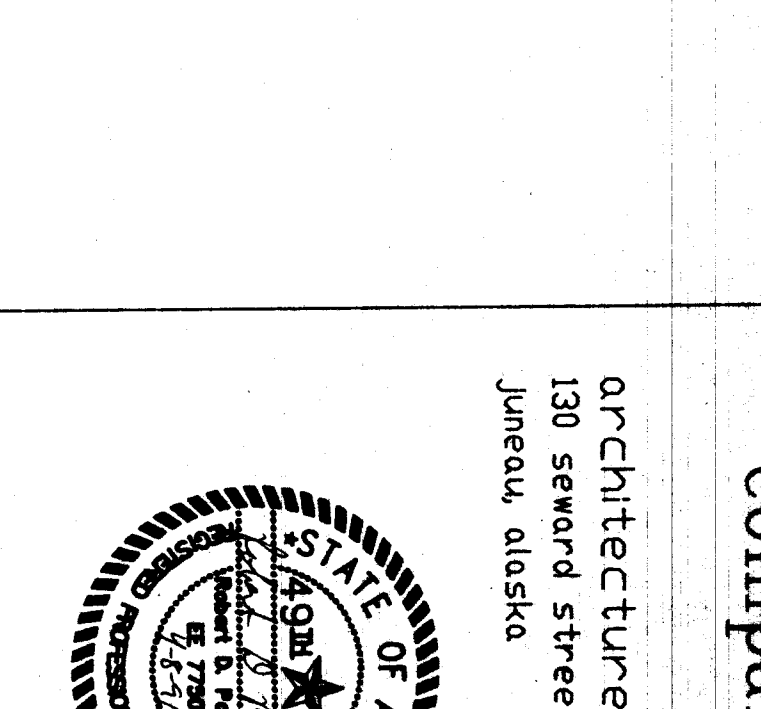
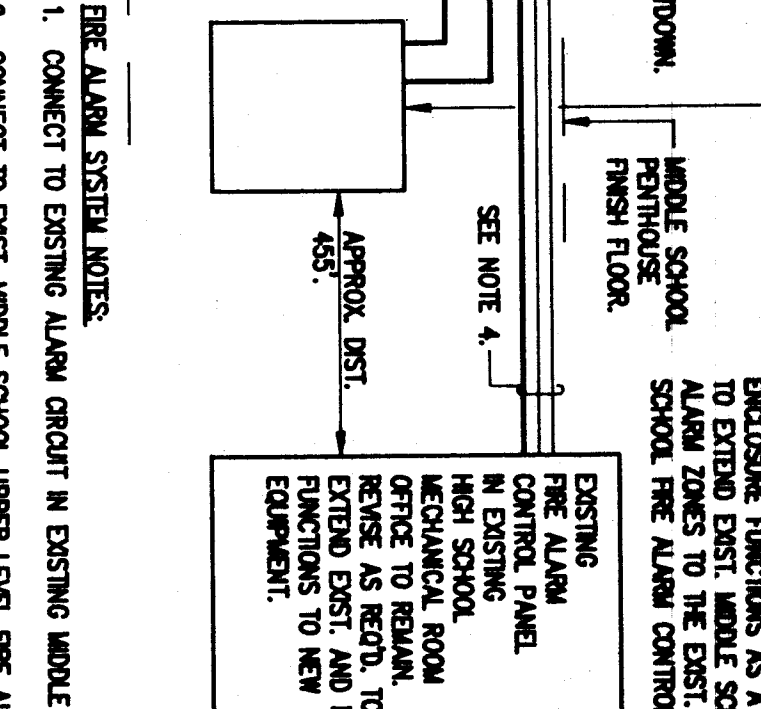
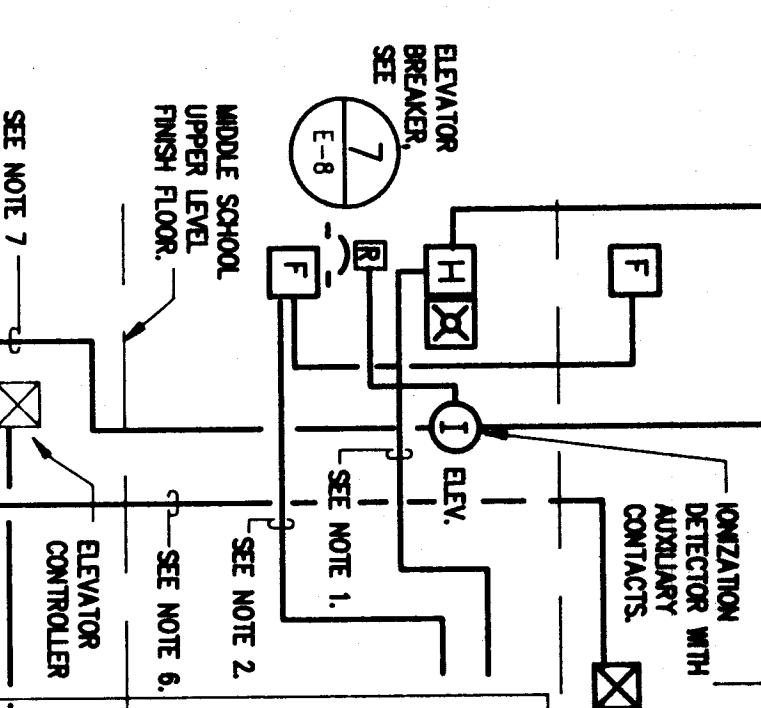
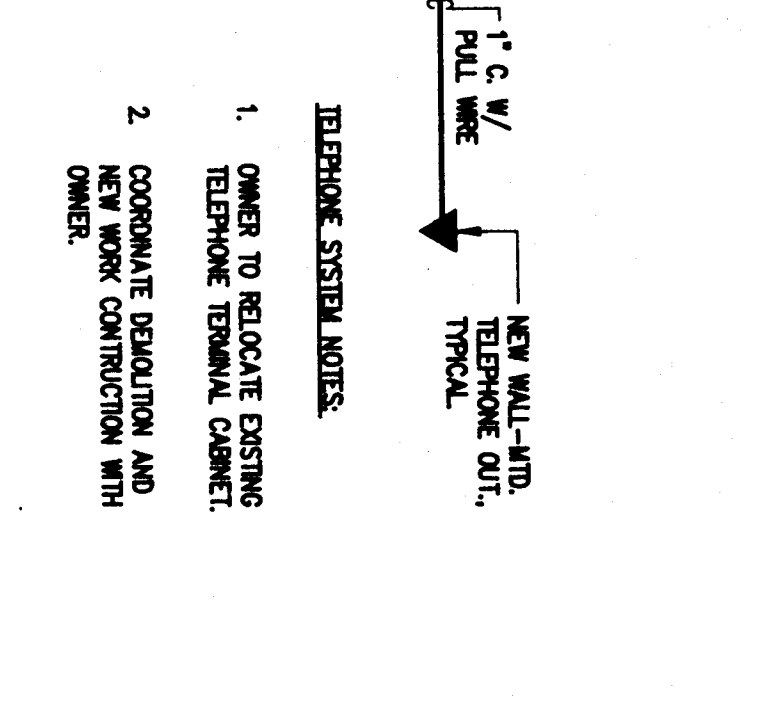
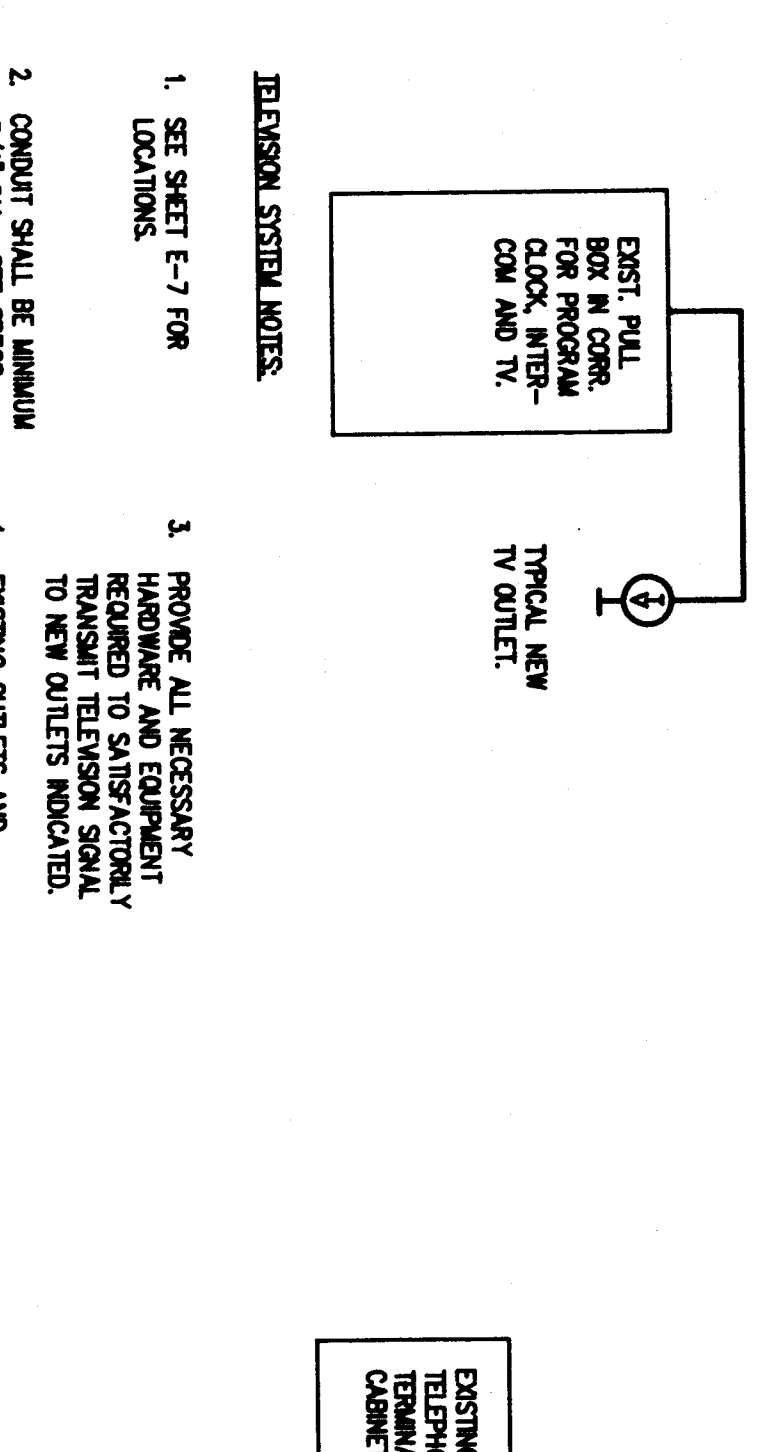
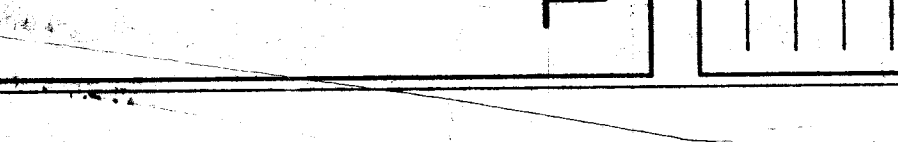
### 4 CLOCK & PROGRAM RISER DIAGRAM (PARTIAL)



### 5 INTERCOM SOUND SYSTEM RISER DIAGRAM (PARTIAL)



### 7 SINGLE LINE DIAGRAM (PARTIAL)



CONSULTANTS:  
FRERER/PRESSLEY  
ENGINEERING, INC.  
CONSULTING ENGINEERS  
400 CALLETON AVENUE  
ANN ARBOR, MI 48106  
907-561-1666

WRANGELL MIDDLE SCHOOL REMODEL  
ALASKA  
PHASE III  
DETAILS & SCHEDULES

job no. CBB-915024  
drawn by RJP/SKF  
date 4/08/91

ELECTRICAL  
DETAILS

E-8

charles  
bellisworth  
and  
company  
architect-planning  
130 seaward street, suite 507  
Juneau, alaska  
998

