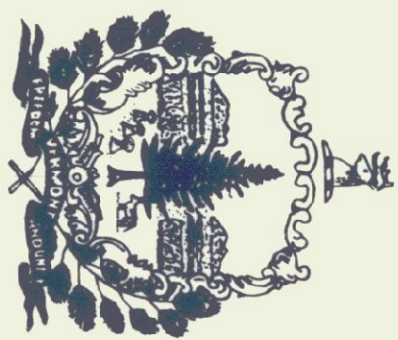


STATE OF VERMONT
AGENCY OF TRANSPORTATION



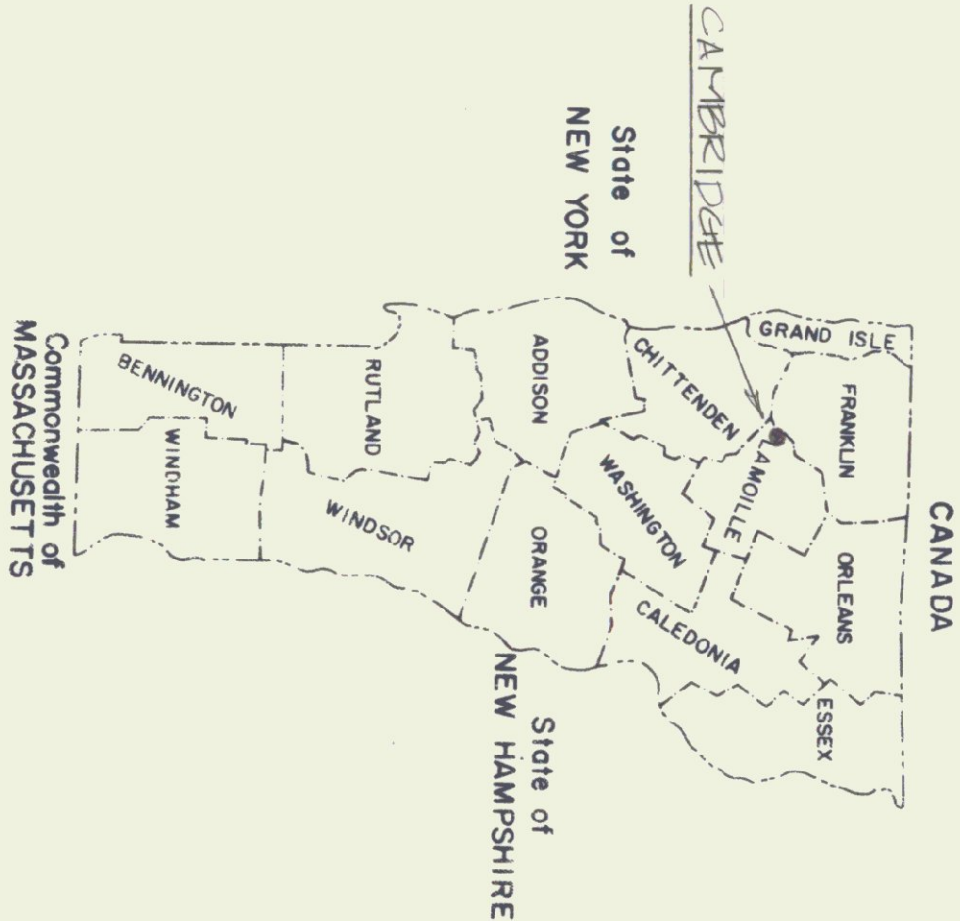
FIVE BAY MAINTENANCE GARAGE

CAMBRIDGE, VERMONT

DECEMBER 1982

AGENCY OF ADMINISTRATION
DIVISION OF STATE BUILDINGS
MONTPELIER, VERMONT
IRVING A. BATES, DIRECTOR

AGENCY OF TRANSPORTATION
MONTPELIER, VERMONT
TOM EVSLIN, SECRETARY



INDEX OF DRAWINGS

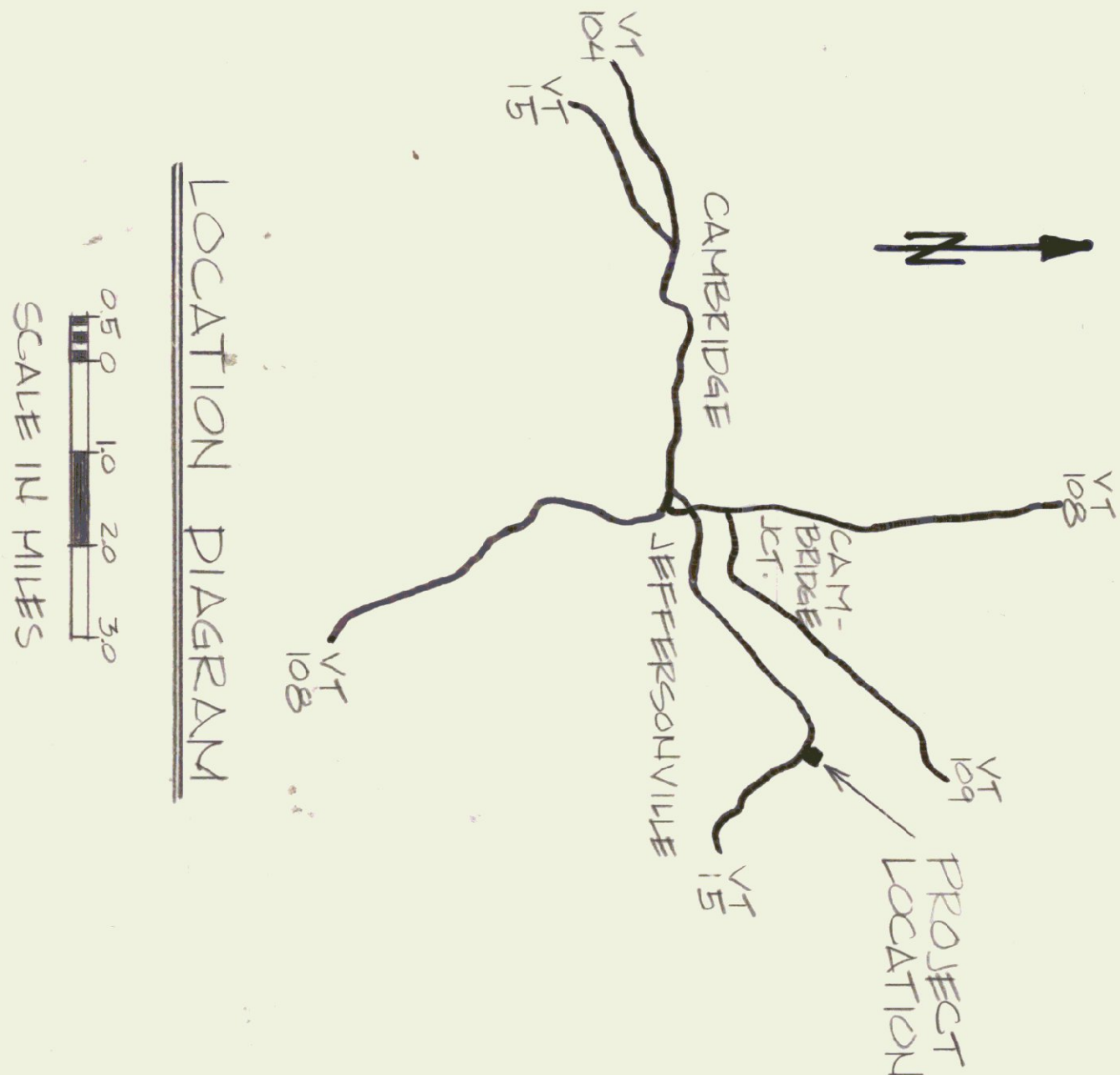
DRAWING #	TITLE
S-1	1/11 SITE PLAN
A-1	2/11 FOUNDATION PLAN
A-2	3/11 STRUCTURAL STEEL FRAMING
A-3	4/11 FIRST FLOOR PLAN, LOFT, STAIR SECTION, ROOF & WINDOW SCHEDULES
A-4	5/11 ELEVATIONS
A-5	6/11 INTERIOR ELEVATIONS & SECTIONS
A-6	7/11 WALL SECTIONS, DOOR & WINDOW DETAILS
A-7	8/11 STAIR & LOFT DETAILS
A-8	9/11 SALT SHED
P-1	10/11 PLUMBING
M&E-1	11/11 MECHANICAL & ELECTRICAL

KEY

SYMBOL	MATERIAL
[Pattern]	EARTH
[Pattern]	SAND
[Pattern]	CONCRETE
[Pattern]	GRAVEL
[Pattern]	METAL ROOF DECKING INSULATION
[Pattern]	EXTRUDED STYROFOAM INSULATION
[Pattern]	FIBERGLASS INSULATION
[Pattern]	CONTINUOUS STRUCTURAL WOOD
[Pattern]	DISCONTINUOUS WOOD BLOCKING
[Pattern]	WOOD FACE GRAIN
[Pattern]	WOOD END GRAIN
[Pattern]	T-11 (TEXTURE 111 PLYWD) EXTERIOR SHEATHING
[Pattern]	OSB (ORIENTED STRAND BD) INTERIOR SHEATHING
[Pattern]	STEEL
[Pattern]	CONCRETE BLOCK

ABBREVIATIONS

FF	FINISH FLOOR	V&H	VERTICAL & HORIZONTAL
FOF	FACE OF FOUNDATION	OC	ON CENTER
FOS	FACE OF STUDS	AB	ANCHOR BOLT
TOP	TOP OF FOOTING	NIC	NOT IN CONTRACT
HCI	HUBLESS CAST IRON		





TEST PIT LOG

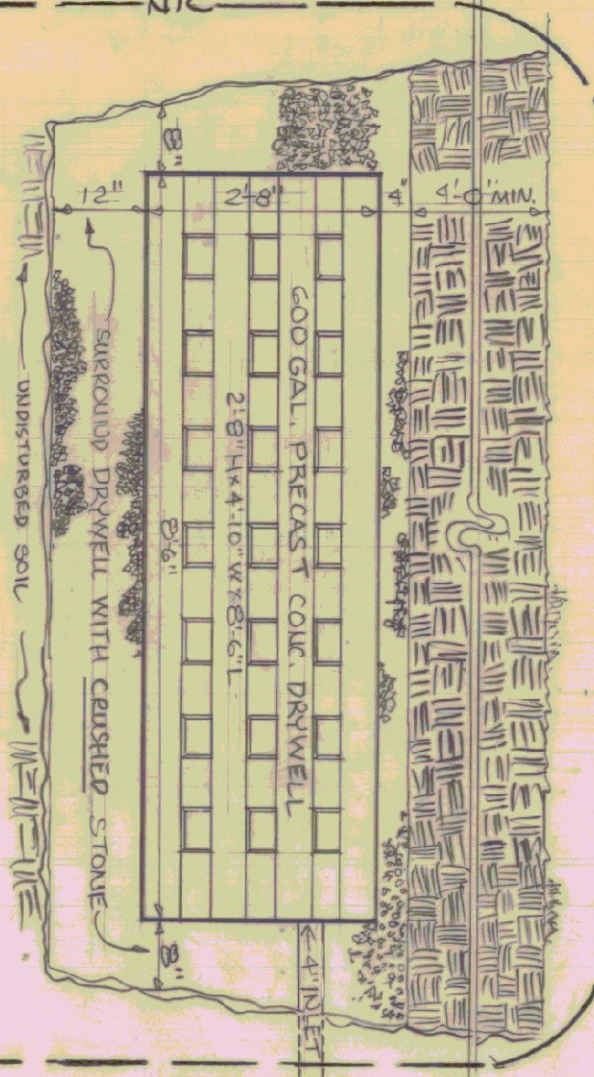
GROUND ELEV. 492.8			GROUND ELEV. 494.7			GROUND ELEV. 498.3		
TOP SOIL	GRAVEL	DENSE COARSE SAND	TOP SOIL	GRAVEL	DENSE COARSE SAND	TOP SOIL	COARSE CLEAN GRAVEL	MED TO DENSE CLEAN COMPACTION
GREY SILTY CLAY (SIC)	WATER 8/82		GREY SILT	WATER 8/82		GREY SILT	WATER 8/82	
TP#1			TP#2			TP#3		

NOTE:
CONTRACT WORK LIMITED TO GENERAL CONSTRUCTION OF BUILDINGS
1. GARAGE
2. SALT SHED
WITH SITE WORK LIMITED TO 5'-0" BEYOND FACE OF BUILDING, INCLUDING TERMINATION OF ALL PIPING/CONDUIT AT 5' BFB.

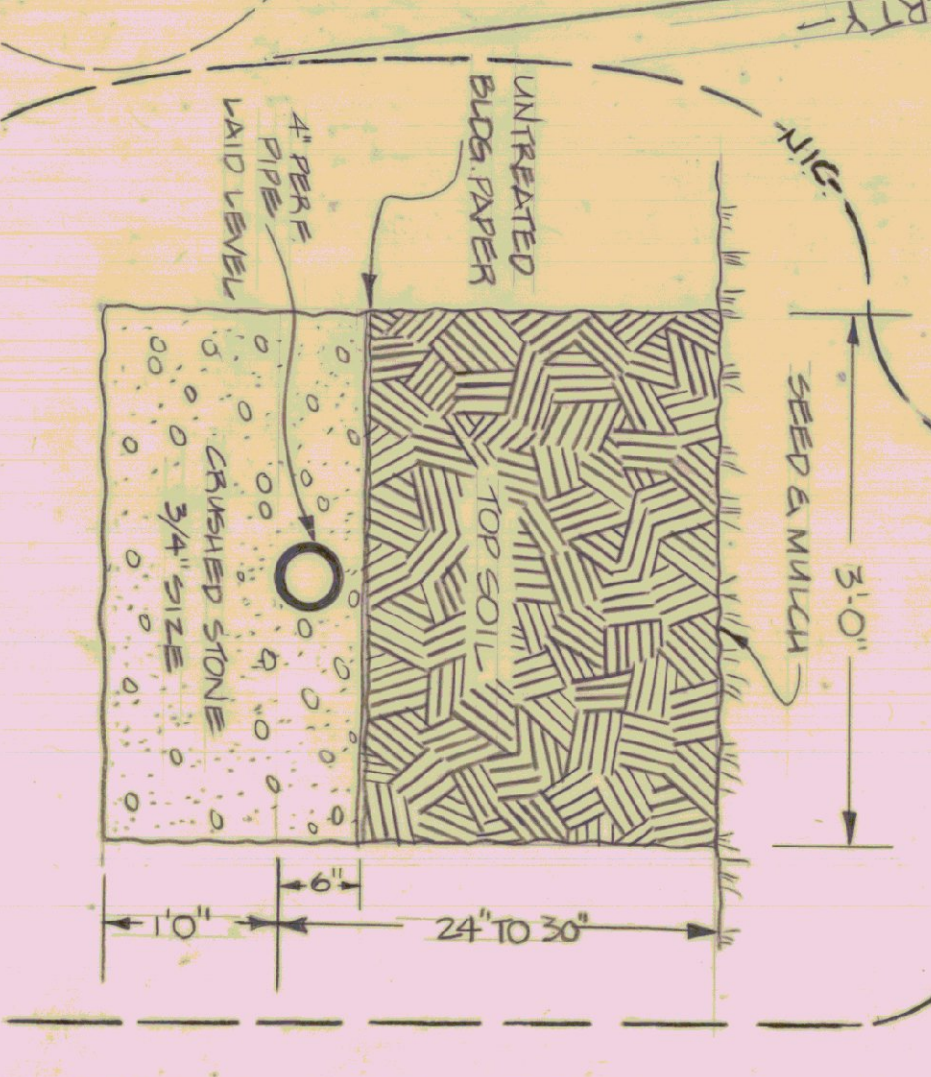
BFP = BELOW FINISHED FLOOR LEVEL
BFB = BEYOND FACE OF BUILDING
N.I.C. = NOT IN CONTRACT

SEPTIC SYSTEM DESIGN DATA
DESIGN FLOW - 150 GAL/DAY
APPLICATION RATE - 0.75 GAL/FT²/DAY
PERCOLATION RATE - 15 MIN/INCH
FACTOR OF SAFETY 1.2

DRYWELL SECTION



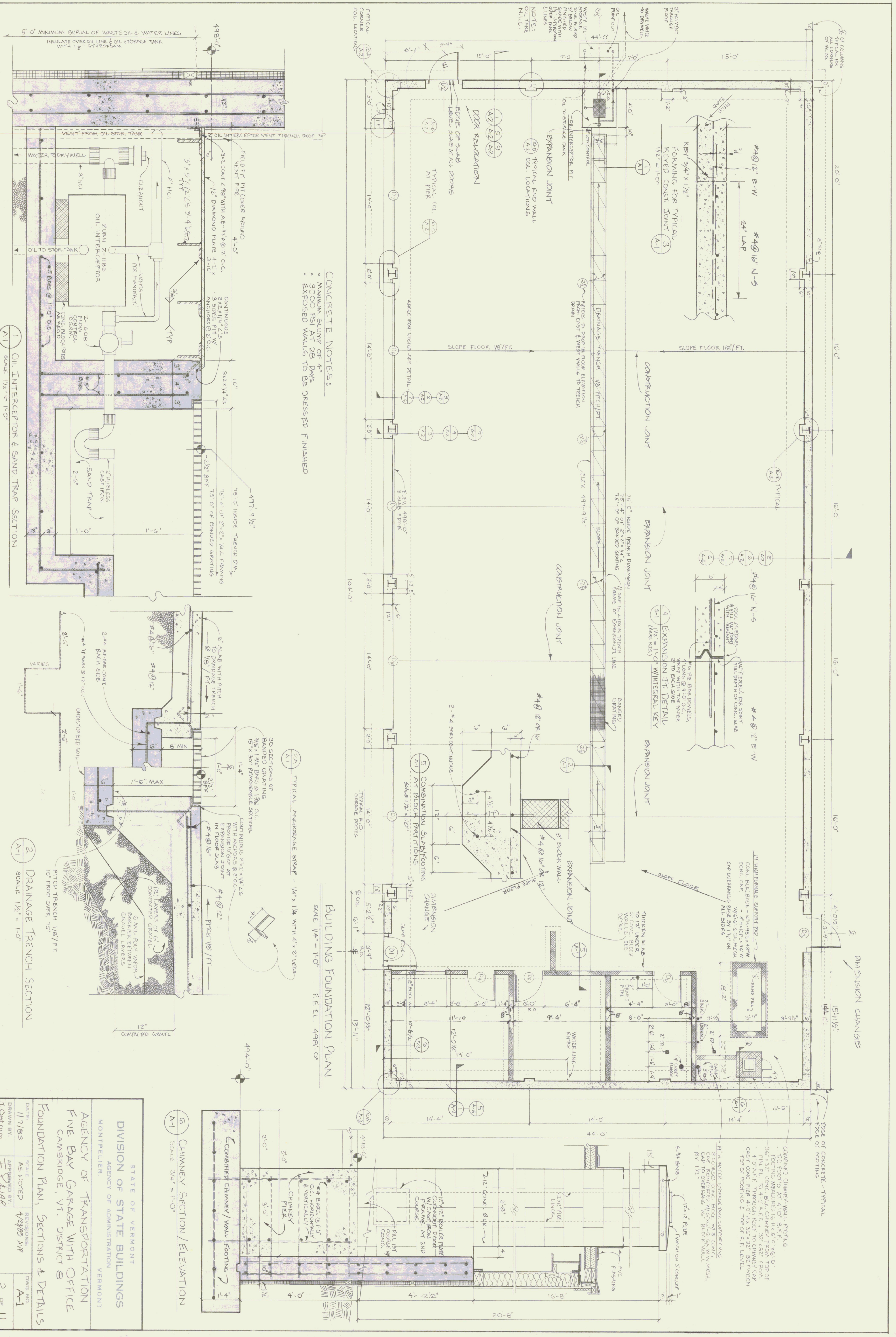
TRENCH TYP. SECTION



- KEY:
- ⊕ AUGER BORING LOCATION
 - ▲ PERCOLATION TEST LOCATION
 - TEST PIT LOCATION
 - N.I.C.



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AGENCY OF TRANSPORTATION			
FIVE BAY GARAGE & SALT SHED			
CAMBRIDGE, VT. DISTRICT 8			
SITE PLAN & SEPTIC SYSTEM			
DATE: 30-JUL-1982	SCALE: AS NOTED	REVISIONS: 1/7/83	DWG. NO. S-1
DRAWN BY: JAR			1 OF 11



CONCRETE NOTES:

- MINIMUM SLUMP OF 4"
- 3000 PSI AT 28 DAYS
- EXPOSED WALLS TO BE DRESSED FINISHED

BUILDING FOUNDATION PLAN

SCALE 1/4" = 1'-0" F.F.E.L. 498'-0"

1 OIL INTERCEPTOR & SAND TRAP SECTION

SCALE 1/2" = 1'-0"

2 DRAINAGE TRENCH SECTION

SCALE 1/2" = 1'-0"

3A TYPICAL ANCHORAGE STRAP - 1/4" x 1/4" WITH 4" x 2" LEGS

SCALE 1/4" = 1'-0"

3B 3D SECTIONS OF BANNED GRATING

3/16" x 1/4" BARS @ 13 1/2" O.C.
15" x 30" REMOVABLE SECTIONS
CONTINUOUS 2" x 2" x 1/4" ZS WITH ANCHORS @ 2' O.C.
PROVIDE 1/2" GAP AT IN FLOOR SLAB

4 EXPANSION JOINT DETAIL

SCALE 1/2" = 1'-0"

5 COMBINATION SLAB/FOOTING AT BLOCK PARTITIONS

SCALE 1/2" = 1'-0"

6 CHIMNEY SECTION/ELEVATION

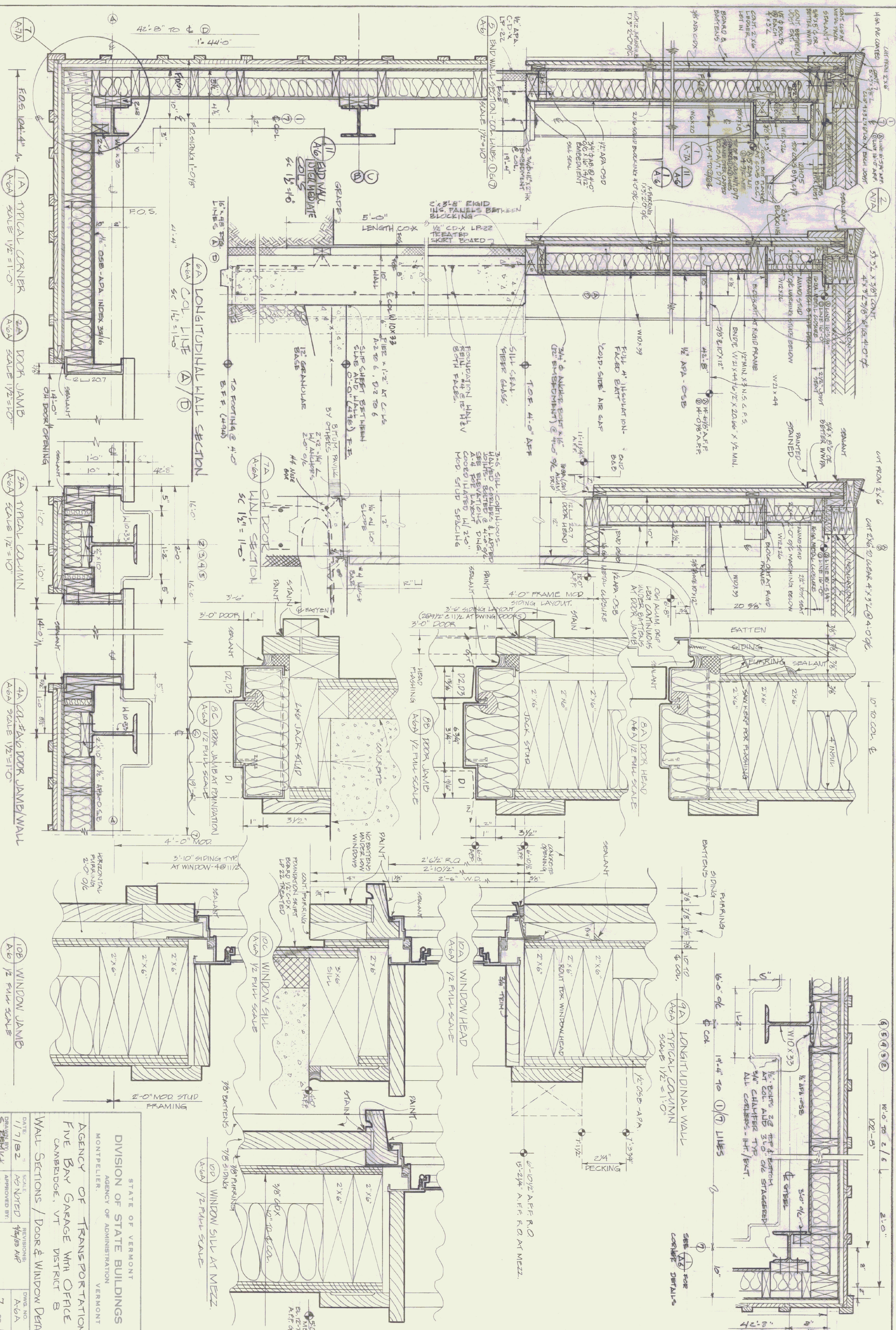
SCALE 3/4" = 1'-0"

7 TYPICAL CHIMNEY/WALL FOOTING

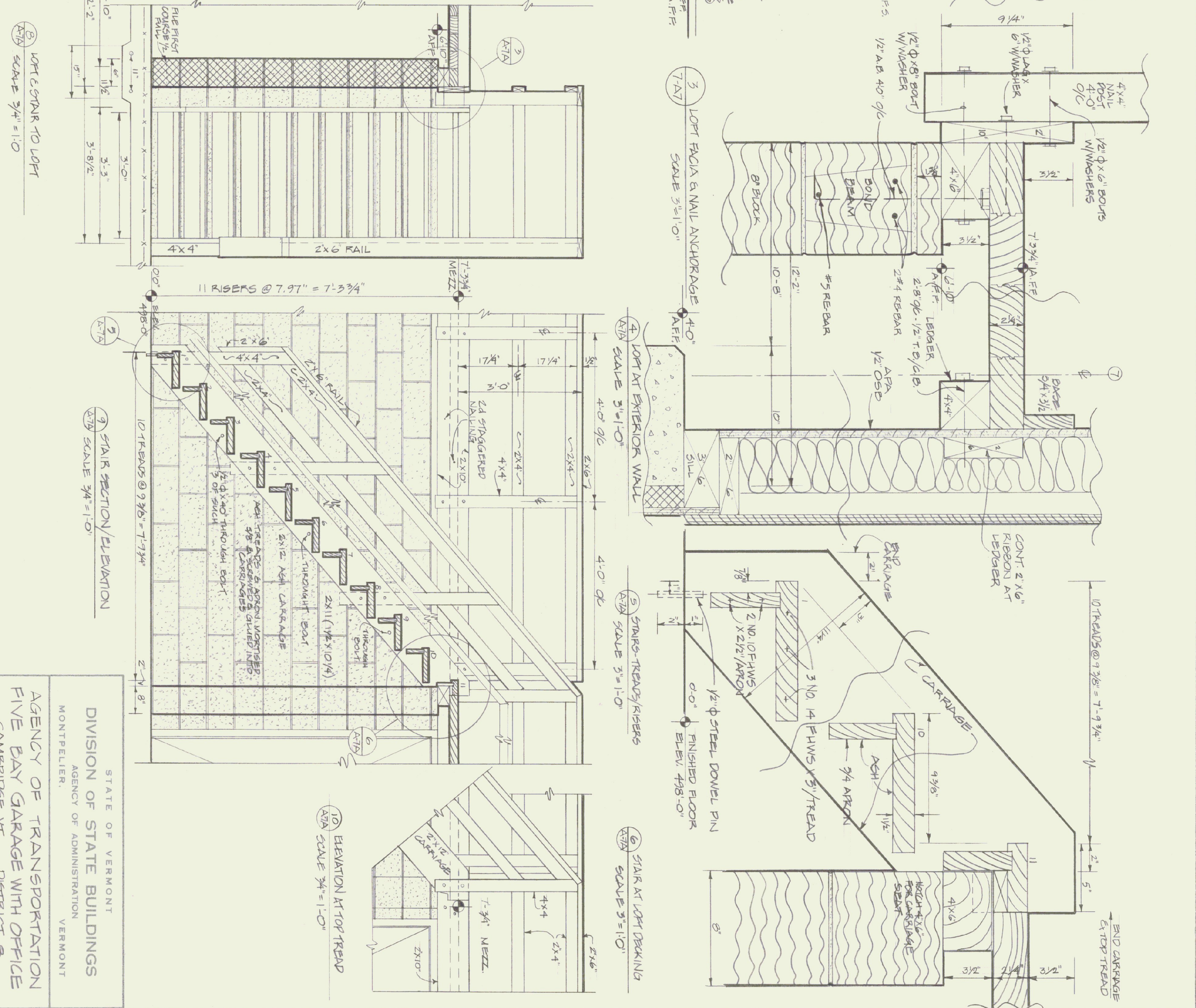
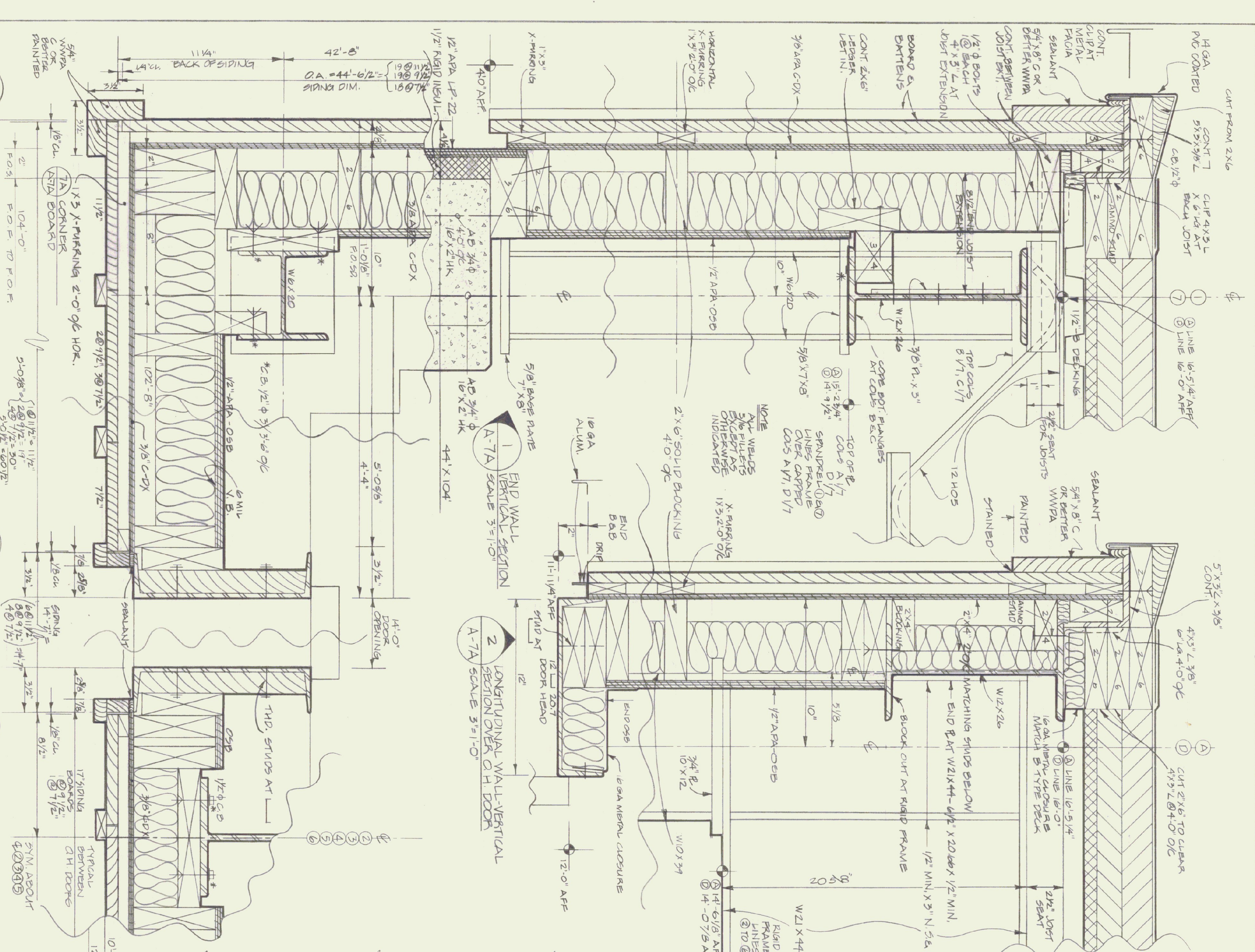
SCALE 3/4" = 1'-0"

8 COMBINED CHIMNEY/WALL FOOTING

SCALE 3/4" = 1'-0"



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AGENCY OF TRANSPORTATION			
FIVE BAY GARAGE WITH OFFICE			
CAMBRIDGE, VT. DISTRICT 8			
WALL SECTIONS / DOOR & WINDOW DETAILS			
DATE	1/7/82	SCALE	AS NOTED
DRAWN BY	AS NOTED	REVISIONS	4/8/83 A.P.
CHECKED BY	AS NOTED	APPROVED BY	AS NOTED
DWG. NO.	A-6A	7 OF 11	

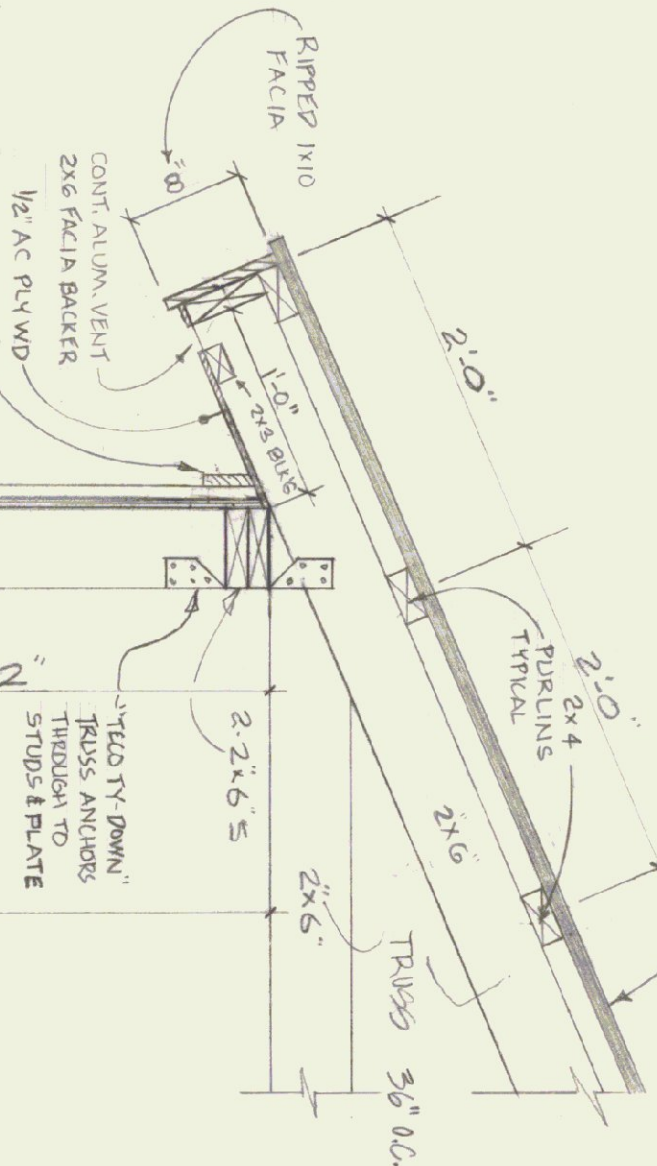


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AGENCY OF ADMINISTRATION			
VERMONT			
AGENCY OF TRANSPORTATION			
FIVE BAY GARAGE WITH OFFICE			
CAMBRIDGE VT. DISTRICT B			
STAIR, LOFT & WALL DETAILS			
DATE:	SCALE:	REVISIONS:	DWG. NO.
DRAWN BY:	AS NOTED	4 pages amp	A-7-A
APPROVED BY:			BA OF 11
A. Rowan			

LUMBER NOTES

- *FRAMING MEMBERS TO BE KILN DRIED
- *CONSTRUCTION GRADE LUMBER
- *BOARD & BATTEN SING TO BE NATIVE
- *ROUGH SAWN WHITE PINE
- *BOARD WIDTH 3" MINIMUM
- *BATTEN WIDTH 3" MINIMUM
- *ALL PLATES & NAILES IN CONTACT WITH CONCRETE TO BE CCA TREATED

24 GA. CORRUGATED GALV. METAL ROOFING (CYCLO-PANEL OR APPROVED EQUAL)



2x6 STUDS 2'-0" O.C.

2x6 BLOCKING

6" MINIMUM ROUGH SAWN BOARD WITH 3" BATTEN STRIPS

PROVIDE LEFT IN DIAGONAL 2x8 BRACING ON INSIDE OF STRUCTURE - SEE ELEVATIONS FOR LOCATIONS

3/4" Ø x 12' LG ANCHOR BOLT 4'-0" O.C. WITH 4" OF BOLT EXPOSED

1" CHAMFER

2-2x6'S USE CCA TREATED 2x6 FOR BOTTOM PLATE ELEV. 506.0

1" CHAMFER

3' ASPHALT (BY OWNER)

MIN 12" COMPACTED GRAVEL

4'-0"

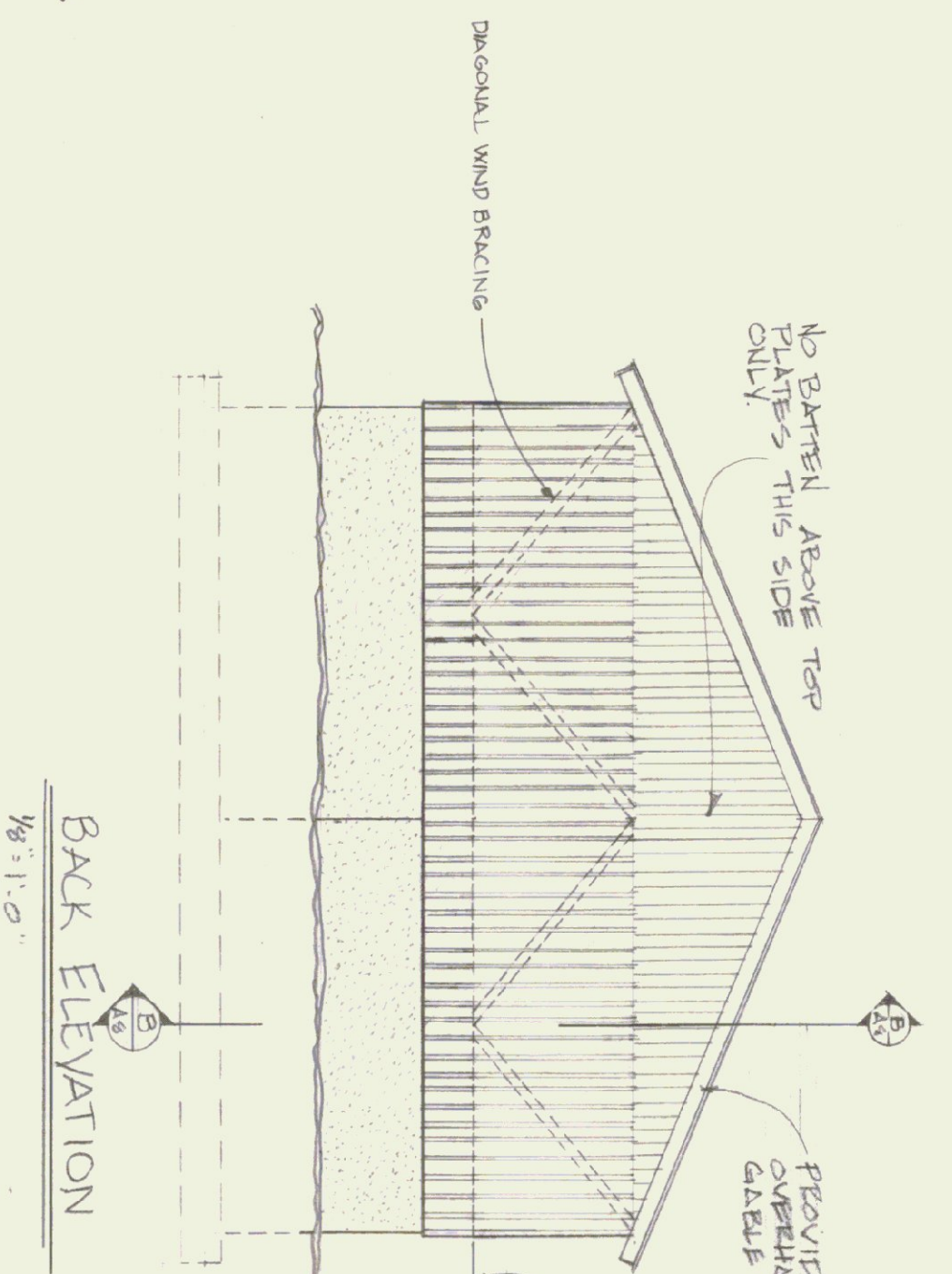
1'-6"

6'-9"

SHEAR KEY 5'x4'x6'H

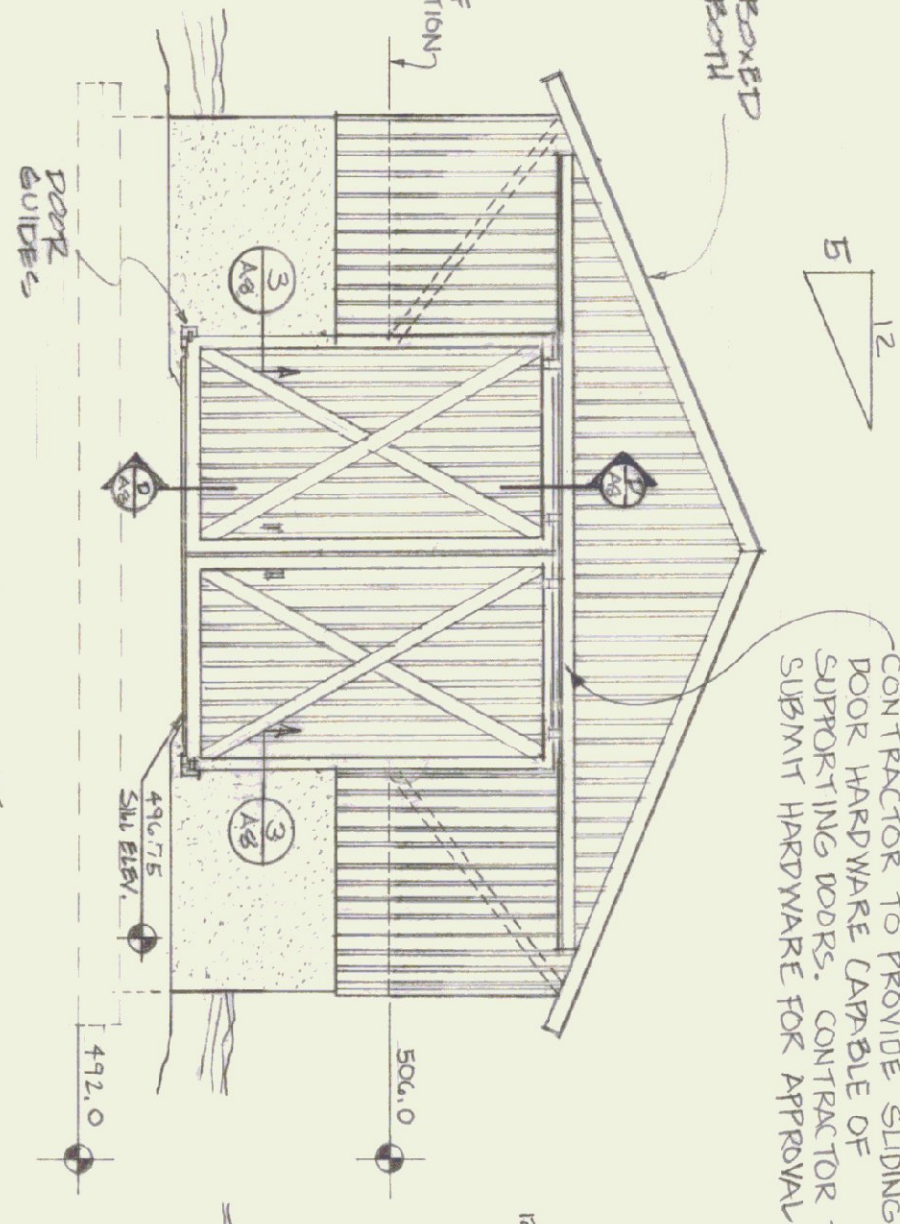
TYPICAL WALL SECTION A-A

1" = 1'-0"



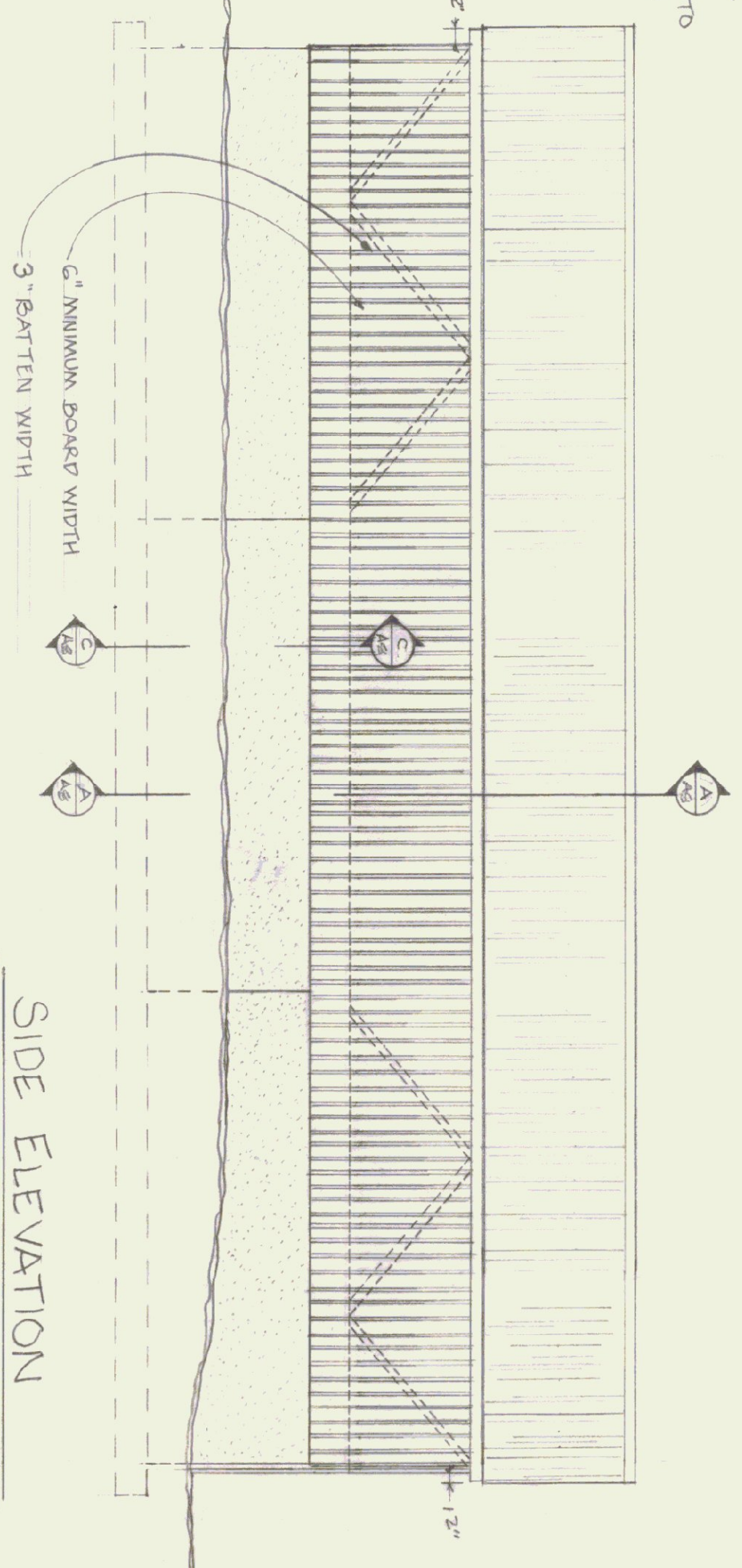
BACK ELEVATION

1/8" = 1'-0"



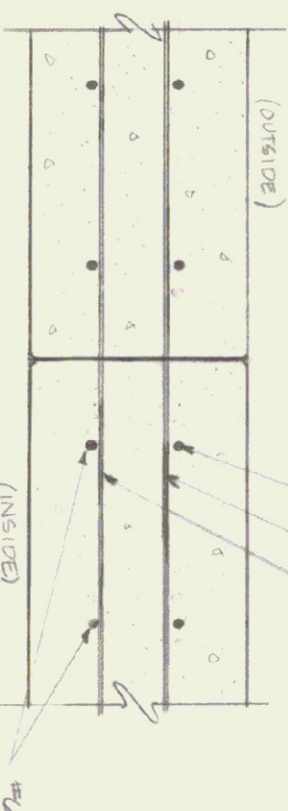
FRONT ELEVATION

1/8" = 1'-0"



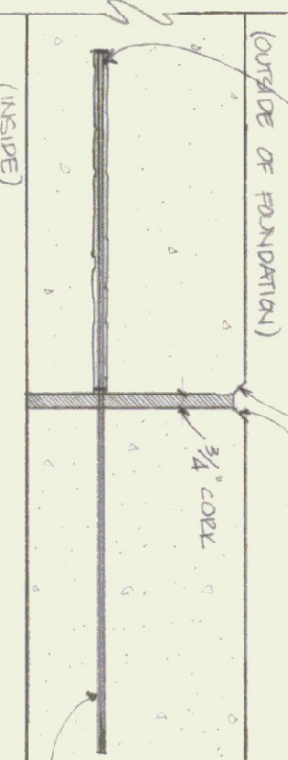
SIDE ELEVATION

1/8" = 1'-0"



CONCRETE CONSTRUCTION JOINT

1" = 1'-0"

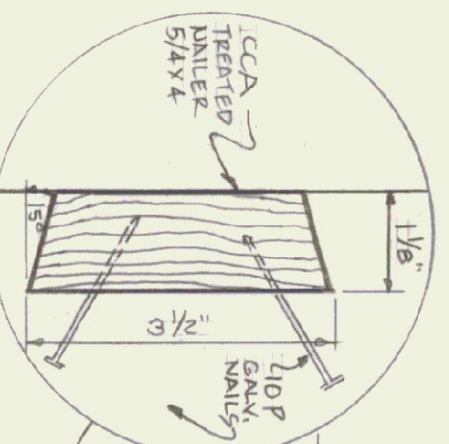


EXPANSION JOINT

1" = 1'-0"

ROUGH SAWN BOARD SINGING (BUILT BATTEN ON BACK SIDE AND 1" BATTEN ON FRONT)

SALT (OR SAND)



CAST IN PLACE PRESSURE TREATED 3/4" x 4" MINNER

5 @ 12"

5 @ 12"

5 @ 12"

5 @ 12"

5 @ 12"

5 @ 12"

5 @ 12"

5 @ 12"

REINFORCEMENT PLACEMENT C-C

1/2" = 1'-0"

WALL SECTION B-B

3/4" = 1'-0"

SLIDING DOOR SECTION D-D

3/4" = 1'-0"

DETAIL ~ CORNER PROTECTORS

SCALE 3/4" = 1'-0"

KEY

DETAIL OR SECTION NO. SHEET NO. DETAIL ON

CONCRETE NOTES

- 3500 PSI AT 28 DAYS
- MAXIMUM SLUMP OF 4"
- EXPOSED WALLS TO BE DRESS FINISHED
- 12" V-JOINTS IN EXPOSED FACE OF CONSTRUCTION JOINTS
- 3/4" CHAMFER IN OUTER FACE OF EXPANSION JOINTS AT CORNERS AT GARAGE DOOR FOR STRUCTURAL PROTECTION

PLAN

1/8" = 1'-0"

TRUSS NOTES

- 1) TRUSS MANUFACTURER IS RESPONSIBLE FOR ENGINEERING TRUSSES.
- 2) TRUSS MANUFACTURER TO PROVIDE THE DIVISION OF STAFF TRUSS DESIGNER FOR THE DIVISIONS APPROVAL BEFORE TRUSS MANUFACTURER
- 3) TRUSS MANUFACTURER TO PROVIDE CONTRACTOR WITH ALL NECESSARY INSTRUCTIONS FOR PROPER PLATES, BRACING, AND ATTACHMENT TO WALL BRACING FOR WIND, ETC.
- 4) THE TRUSS DESIGN LOADS IN ACCORDANCE WITH MINIMUM LOADS:

LIVE - 50 P.S.F. FOR SNOW
DEAD - AS CALCULATED FROM ROOF MATERIALS, CEILING MATERIALS, & MECHANICAL EQUIP
WIND - 25 P.S.F.

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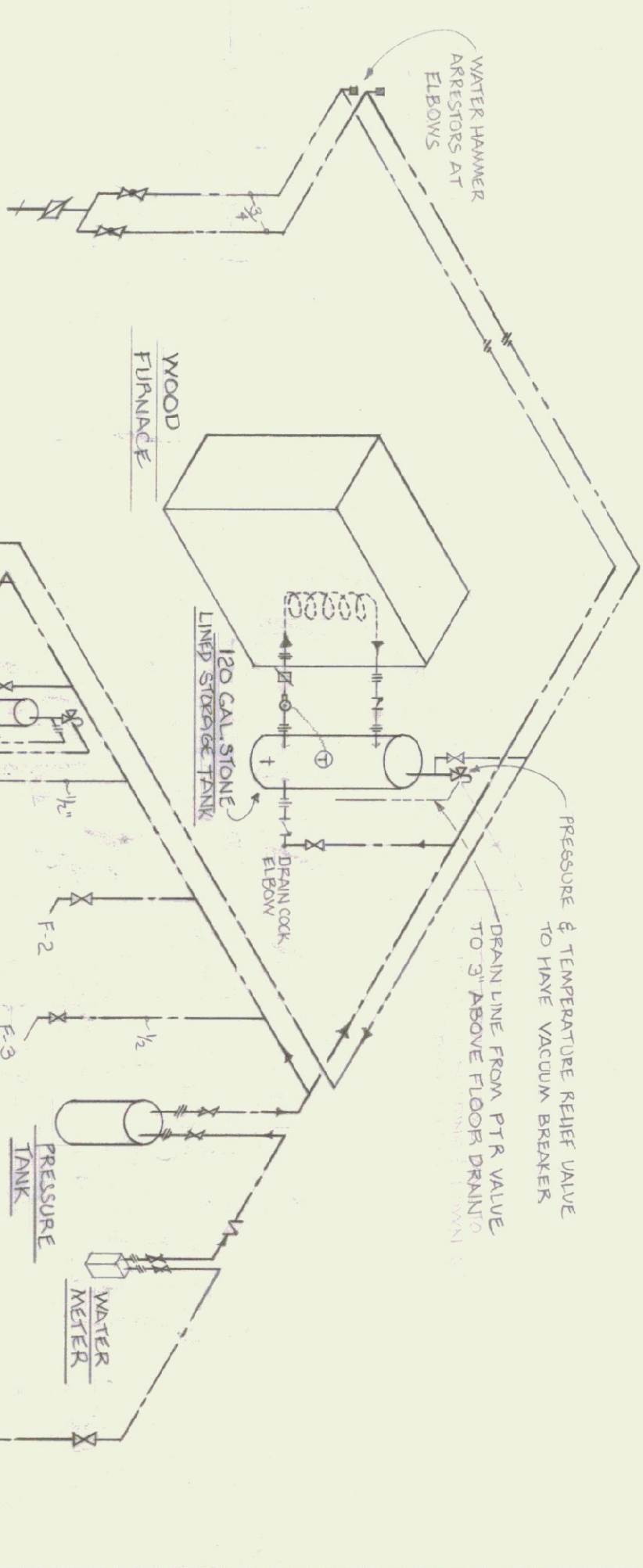
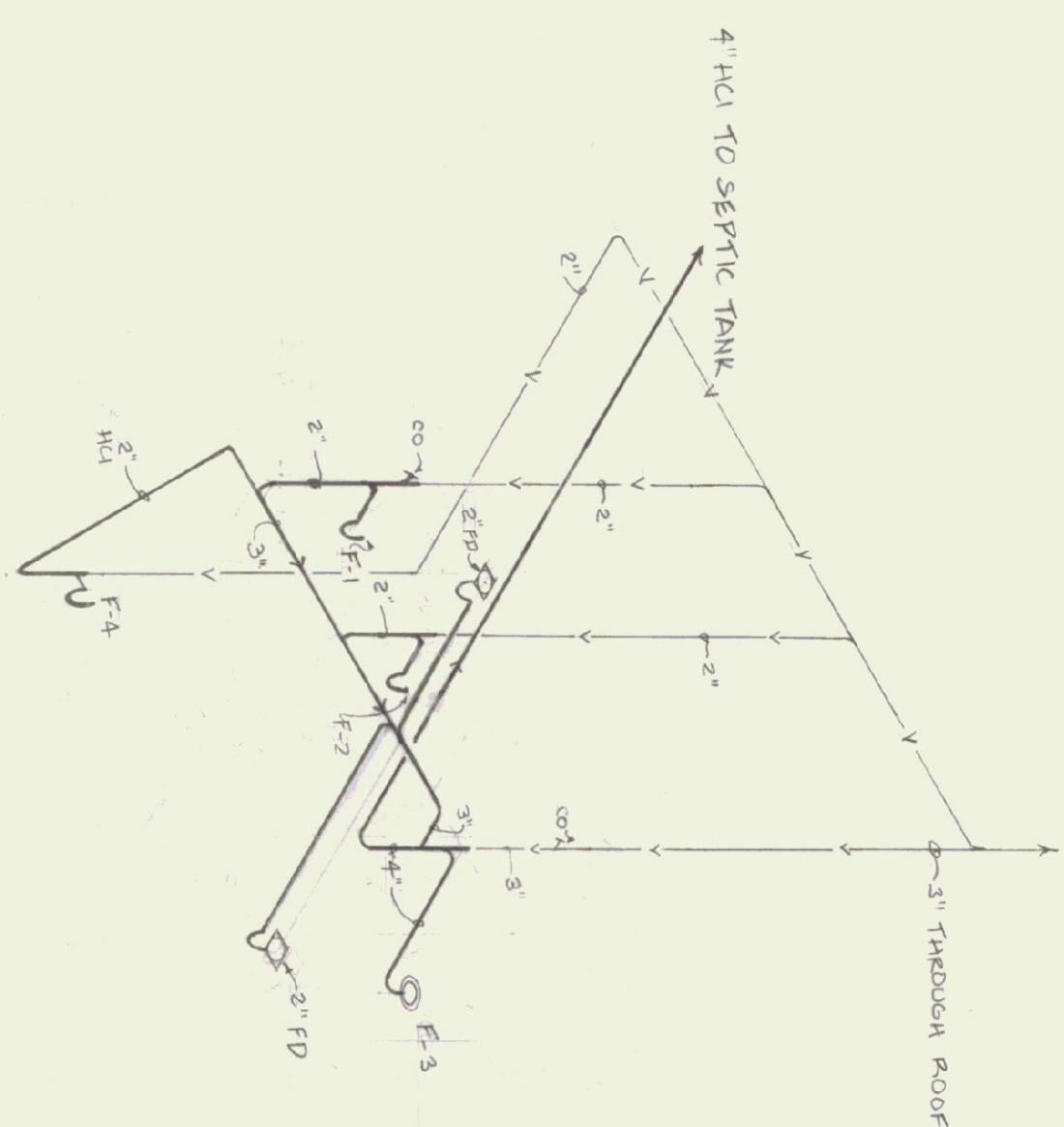
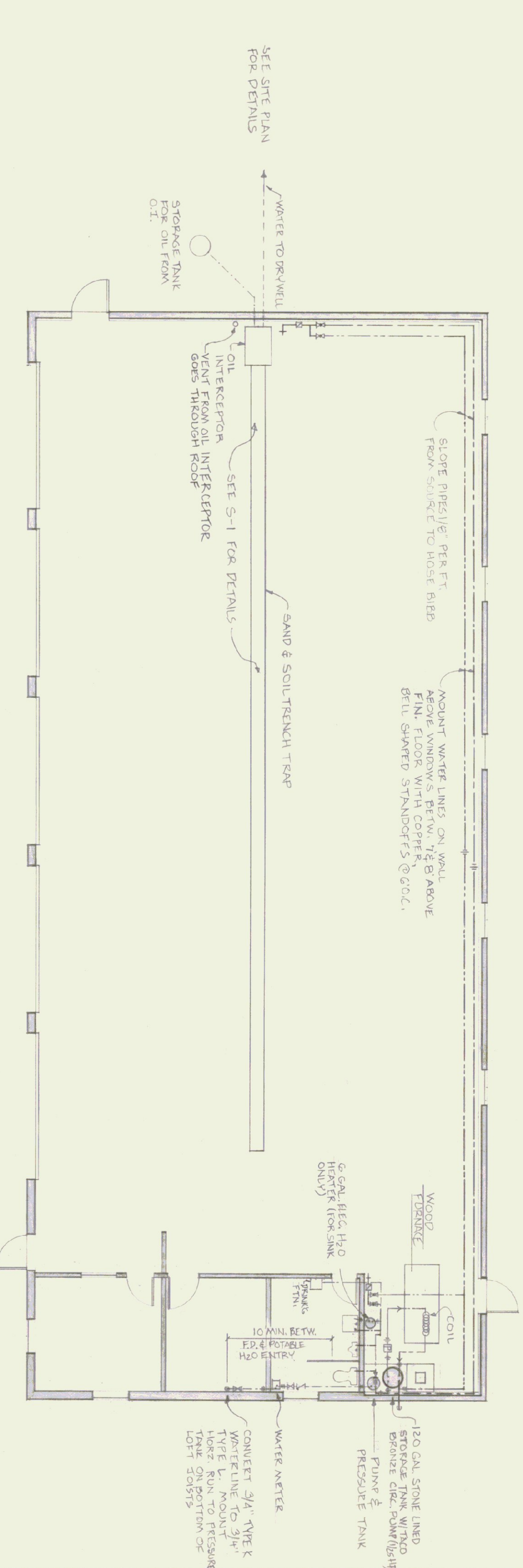
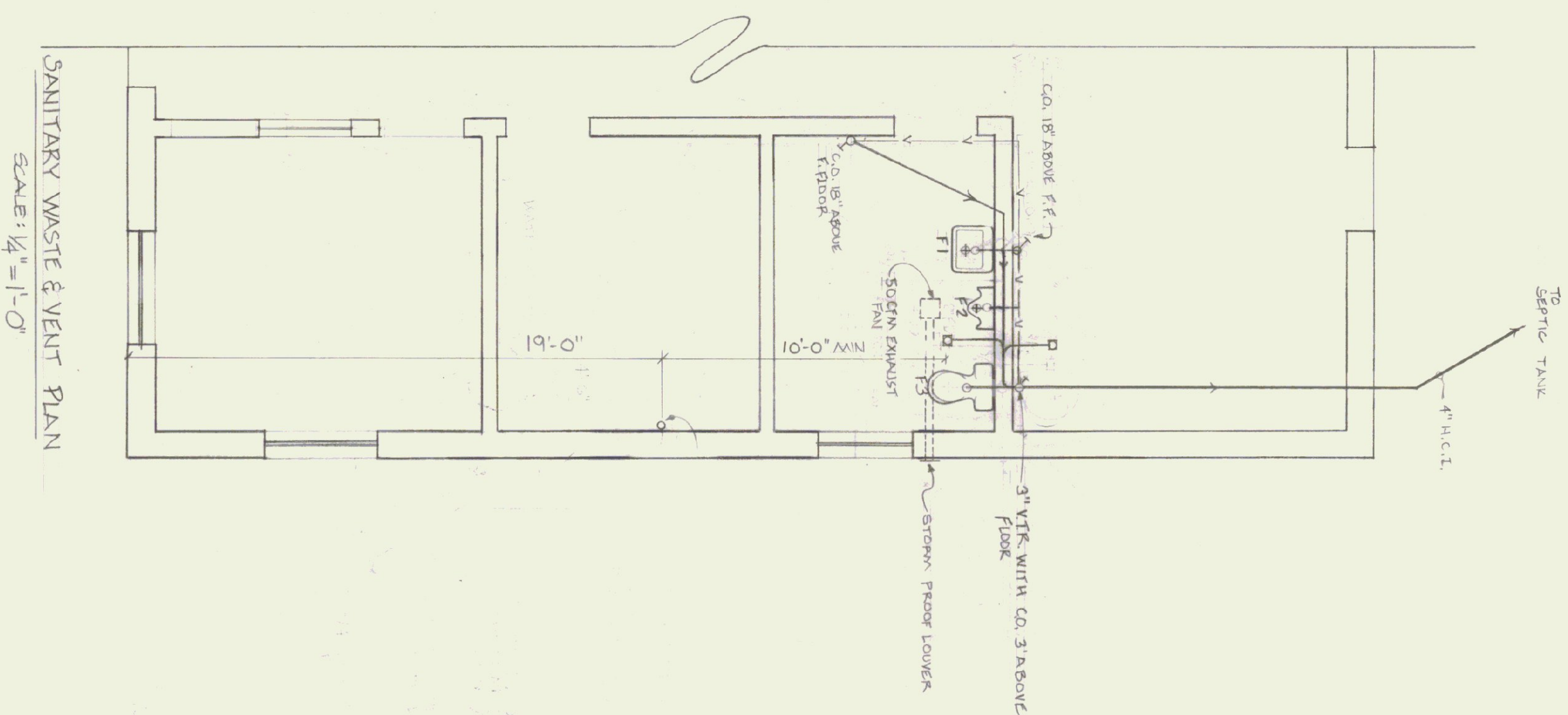
AGENCY OF TRANSPORTATION
FIVE BAY GARAGE WITH OFFICE
CAMBRIDGE, VT DISTRICT 8

SALT SHED

DATE: 1/7/83	SCALE: AS NOTED	DWG. NO. A-8
DRAWN BY: S. REMICK	APPROVED BY: F. RAIT	REVISIONS:
		9 OF 11

FIXTURE SCHEDULE

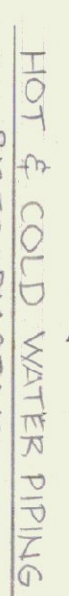
- F-1 WALL MOUNTED CERAMIC LAVATORY
- F-2 WALL MOUNTED URINAL WITH VACUUM BREAKER ON FLUSH VALVE
- F-3 FLOOR MOUNTED CERAMIC TOILET FIXTURE WITH ELONGATED FRONT (16" High)
- F-4 WALL MOUNTED DRINKING FOUNTAIN WITH ELECTRIC COOLER



SANITARY WASTE & VENT PIPE RISER DIAGRAM

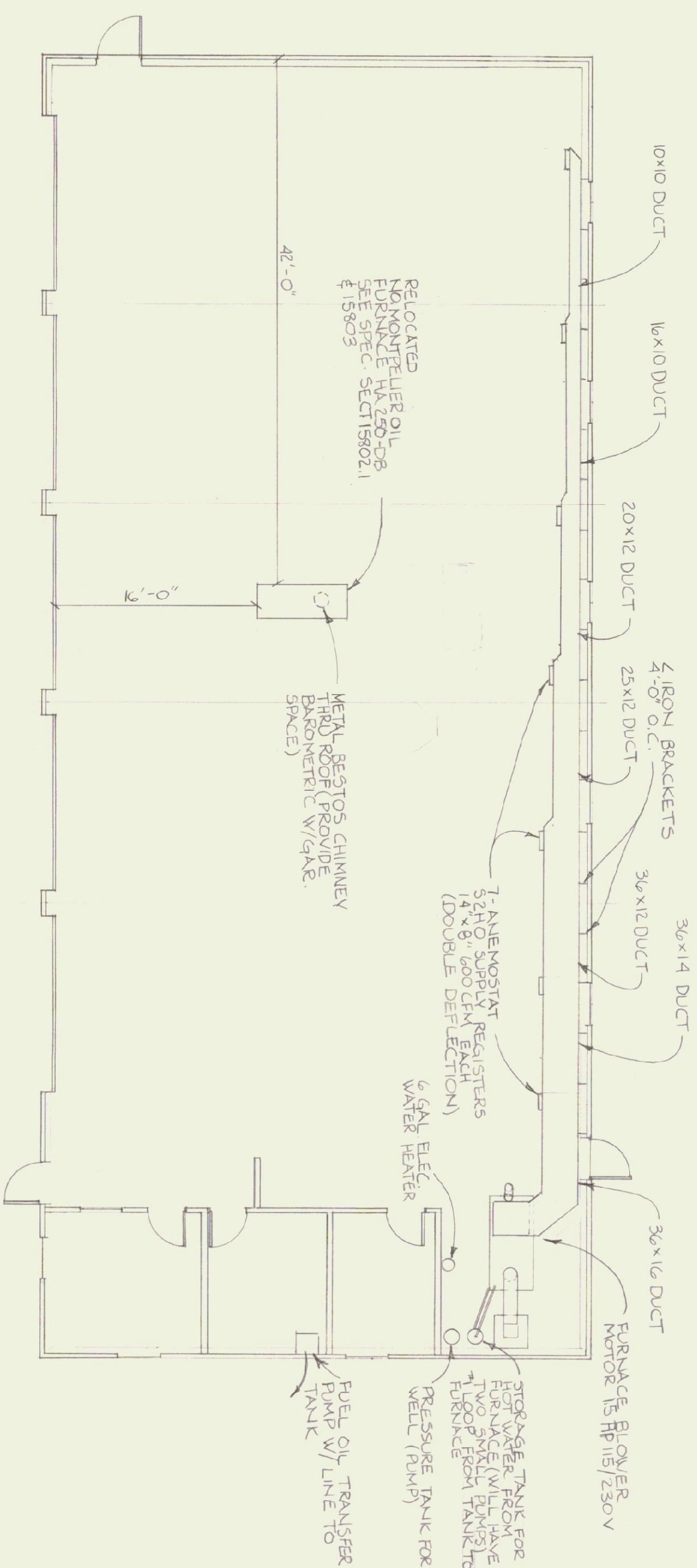
SCALE 1/2" = 1'-0" NOTE: H.C.I PIPE CONVERTS TO
TYPE L COPPER G-B" ABOVE
FINISHED FLOOR

PLUMBING SYMBOLS FOR PIPING, VALVES, & FITTINGS	
	COLD WATER
	HOT WATER
	PTR VALVE WATER
	WASTE PIPING
	VENT PIPING
	FLOW DIRECTION
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BACKFLOW PREVENTER
	PRESSURE & TEMP RELIEF VALVE
	WATER HAMMER ARRESTOR
	FLOOR CLEANOUT
	CLEANOUT
	UNION
	HOSE BIBB
	"P" TRAP
	FLOOR DRAIN WITH "P" TRAP
	TOILET FLANGE
	PUMP



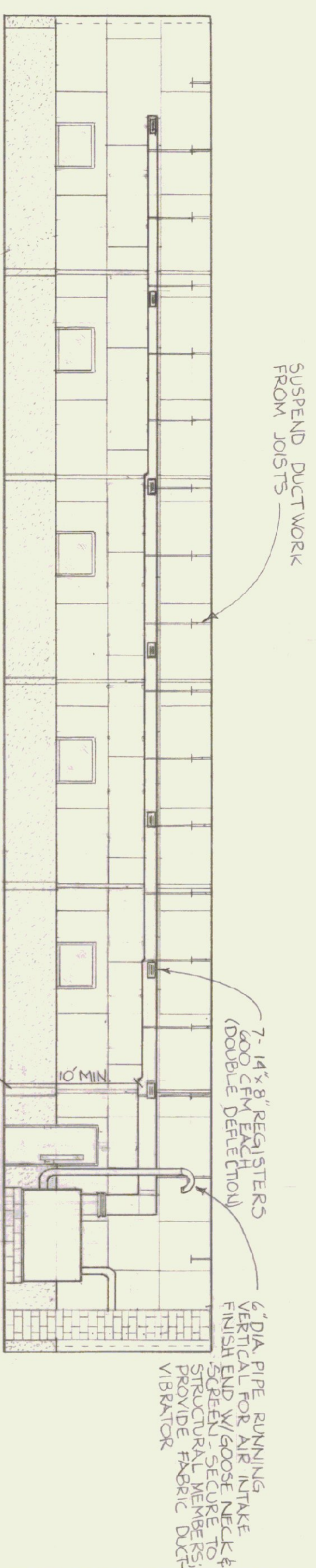
NOT TO SCALE NOTES: 5) ALL WATER LINES ABOVE

- 3) ALL WATER LINES ABOVE SLAB TO BE 3/4" TYPE 1 COPPER EXCEPT FOR 1/2" LINES TO SINK & TOILET
- 2) PTR VALVE ON 120 GAL STORAGE TANK TO BE EQUIPPED WITH A VACUUM BREAKER



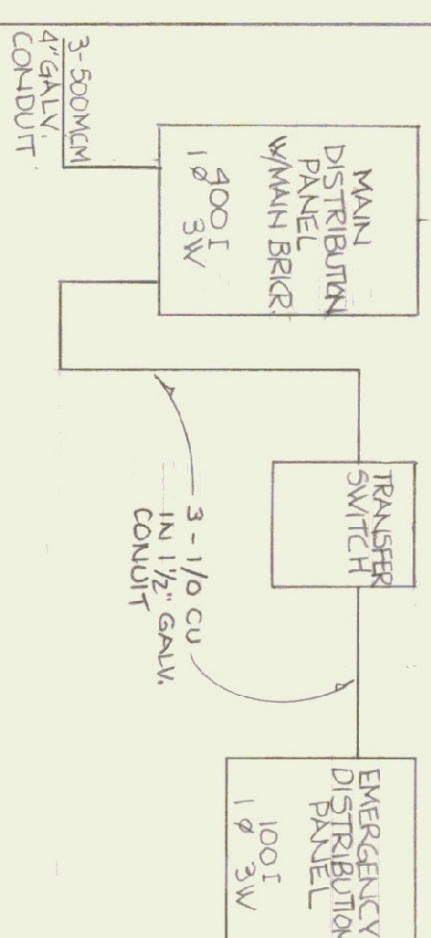
MECHANICAL PLAN
SCALE: $\frac{1}{8}" = 1'-0"$

NOTE: ALL JOINTS IN FUEL OIL LINE TO BE FLARED, ALL SOLDERED JOINTS TO BE 'SWEATED WITH SILVER SOLDER

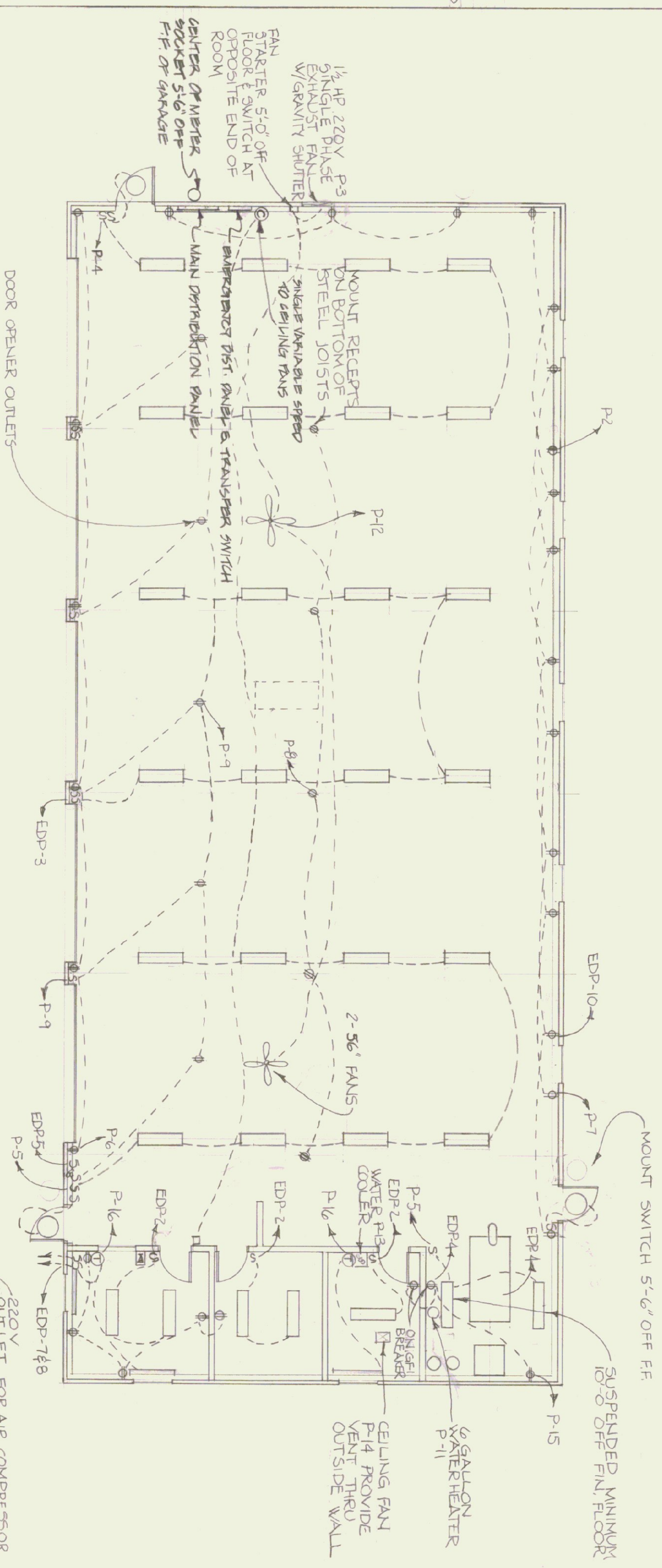


FURNACE ELEVATION

SCALE: $\frac{1}{8}" = 1'-0"$



ELECTRICAL FEEDER DIAGRAM



ELECTRICAL PLAN

SCALE: $\frac{1}{8}" = 1'-0"$

POWER PANEL SCHEDULE					
PANEL "P1" 3W 400T BREAKER TYPE STYLE NGR WESTINGHOUSE 100000 3W 400T AMP MAIN W/MAIN DISCONNECT-100000 ICR BRK'S 30FEET					
CIRC.	AMP	ROLE	EQUIPMENT DERIVED	H/P	REMARKS
P-1	100	2	EMERGENCY DIST. PANEL		
P-2	50	2	WELDING RECEPTACLE		
P-3	20	2	BLDG. EXHAUST FAN		
P-4	20	1	SHOP LIGHTING		
P-5	20	1	"		
P-6	20	1	SHOP RECEPTACLE/FRY		
P-7	20	1	SHOP RECEPTS (REAR)		
P-8	20	1	MID BAY CEILING RECEPT		5 LOCATIONS
P-9	20	1	DOOR OPENER RECEPTS		5 LOCATIONS
P-10	20	1	LOFT LIGHTING		
P-11	20	1	6 GAL. HT. H2O HEATER		
P-12	20	1	CEILING FANS		160-17 26"
P-13	20	1	WATER COOLER, BATHROOM		GFI RECEPT.
P-14	20	1	FAN / GFI		GFI IN WALL OUTLE
P-15	20	1	FURNACE AREA RECEPTS		
P-16	20	1	HEATERS IN BATH/ OFFICE	(3)	5 KW
P-17	20	1	SPACE		W/ LINE VOLTAGE (5)

POWER PANEL SCHEDULE

EMERGENCY DISTRIBUTION PANEL SCHEDULE					
PANEL#*	CIRCUIT BREAKER TYPE	WESTINGHOUSE SA ITI BIRDSON C&M			
1	30	2	AIR COMPRESSOR	H.P.	REMARKS
2	20	1	OIL BURNER/GREASE PUMP/LIFT		
3	20	1	SHOP LIGHTING(MID-BAY)		
4	20	1	WOOD FURUACE PAN	1.5	
5	20	1	OIL BURNER		
6	20	2	WELL PUMP	.75	
7	20	1	FUEL PUMP -GAS		
8	20	1	FUEL PUMP - DIESEL		
9	20	1	FUEL OIL TRANSFER PMP		
10	20	1	ROW REAR SHOP BEHIND		
11	20	1	SPPARES		

EMERGENCY DISTRIBUTION PANEL SCHEDULE

ALL WALL OUTLETS & SWITCHES OF ALL LOCATIONS SHALL BE AT LEAST 4' ABOVE FLOOR (AROUND BASE KEEP OUTLETS 4'-8" MIN. ABOVE FLOOR). ALL FLOOR MOUNTED W/CONCEALED WIRING 3" BURNER SAFETY SWITCH MOUNT 6'-0" ABOVE FIN.F.

ALL EXPOSED WIRING SHALL BE INSTALLED IN CONDUIT GREENFIELD AT ROTATING MACHINERY

① THERMOSTAT - CONNECT TO CIRCUIT

50 AMP WELDER OUTLET

 ALLOW FOR TELEPHONE SLEEVE THRU EXTERIOR WALL COORDINATE WITH LOCAL TELEPHONE CO

ALL WALL OUTLETS & SWITCHES OF ALL LOCATIONS SHALL BE AT LEAST 46" OFF FLOOR (AROUND BALLER KEEP OUTLETS 8"-8" MIN. ABOVE FLOOR) ALL PLUSH MOUNTED W/ CONCEALED WIRING

28 BURNER SAFETY SWITCH-MOUNT 6'-0" ABOVE FIN FL.

ALL EXPOSED WIRING SHALL BE INSTALLED IN CONDUIT
GREENFIELD AT ROTATING MACHINERY

GENERAL NOTES

SMITHCRAFT "TECH" 30-TEC. 2-40S
(MOUNT ON BOTTOM OF JOISTS)

① THERMOSTAT - CONNECT TO CIRCUIT

50 AMP WELDER OUTLET

 ALLOW FOR TELEPHONE SLEEVE THRU EXTERIOR WALL COORDINATE WITH LOCAL TELEPHONE CO

ALL WALL OUTLETS & SWITCHES OF ALL LOCATIONS SHALL BE AT LEAST 46" OFF FLOOR (AROUND BALLER KEEP OUTLETS 8"-8 1/2" MIN. ABOVE FLOOR) ALL PLUSH MOUNTED W/ CONCEALED WIRING

28 BURNER SAFETY SWITCH-MOUNT 6'-0" ABOVE FIN FL.

ALL EXPOSED WIRING SHALL BE INSTALLED IN CONDUIT
GREENFIELD AT ROTATING MACHINERY

— 100 —

STATE OF V

DIVISION OF STATE AGENCY OF ADMINISTRATION

MONTPELIER.

AGENCY OF TRANS

THE BAY OF

CAMBRIDGE, VT ~

MECHANICAL & ELECTRICAL

DATE:	SCALE:	REVI:
-------	--------	-------

1/7/83	AS SHOWN
--------	----------

DRAWN BY: P. RASSETTI
APPROVED BY: Q. H. M. M. M.

1