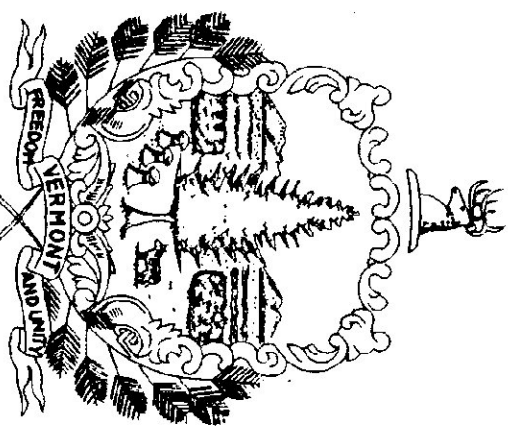


State of Vermont  
 Department of Buildings & General Services  
**4-BAY MAINTENANCE GARAGE**  
 SALT/SAND SHEDS & STORAGE SHED  
 Brandon, Vermont

AGENCY OF ADMINISTRATION  
 DEPT. OF BUILDINGS & GENERAL SERVICES  
 2 GOVERNOR AIKEN AVENUE  
 MONTPELIER, VERMONT 05633-5801  
 THOMAS W. TORTI, COMMISSIONER

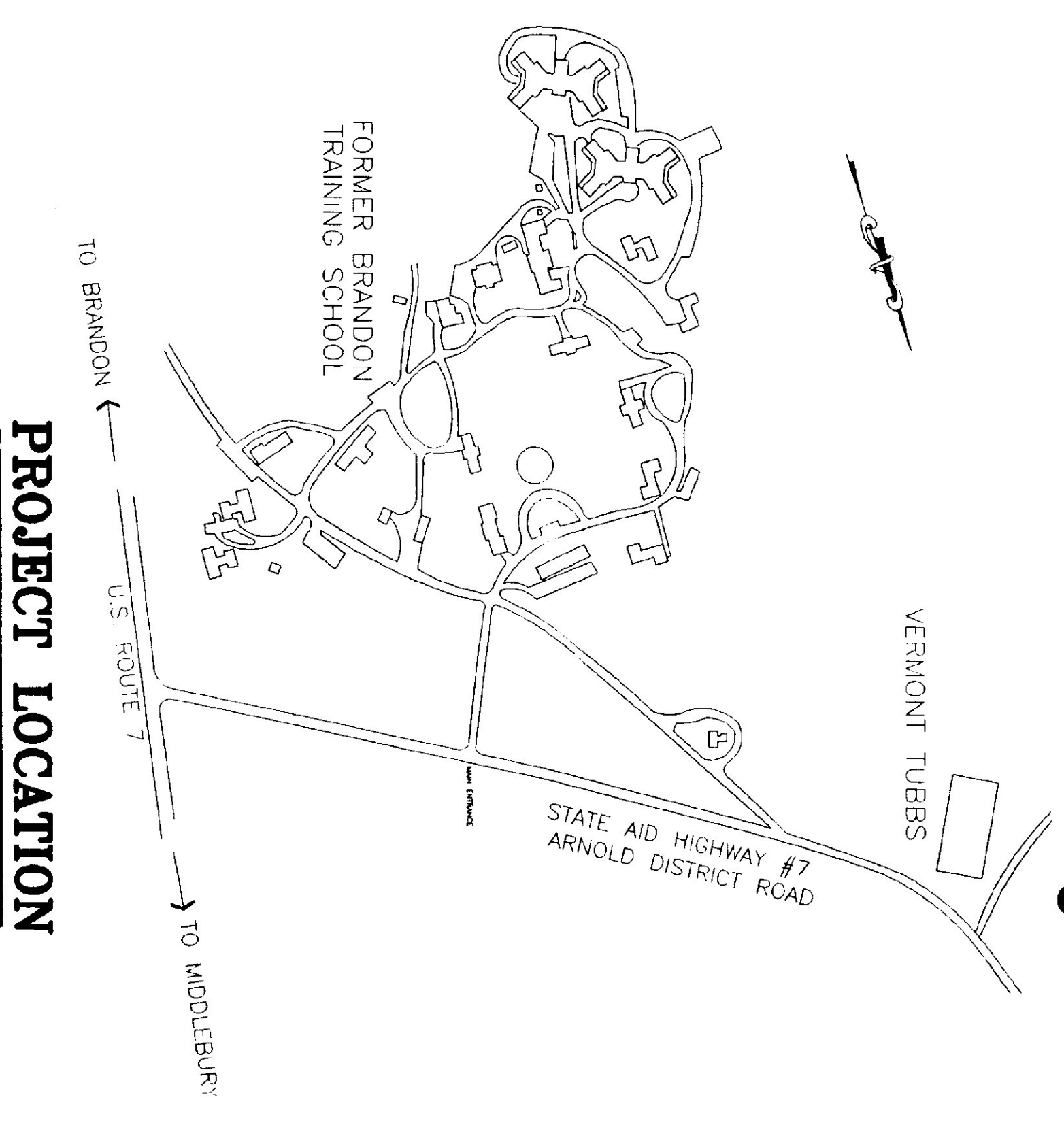


**Howard Dean, M.D.**  
 Governor

**JUNE 1997**

AGENCY OF TRANSPORTATION  
 133 STATE STREET  
 MONTPELIER, VERMONT 05633-5001  
 GLENN GERSHANECK, SECRETARY

PROJECT LOCATION

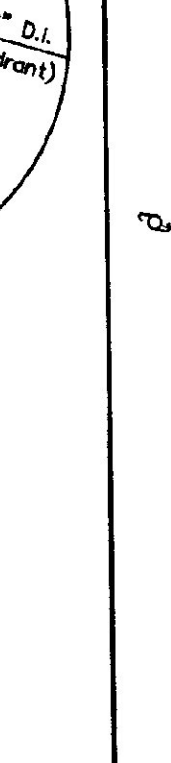
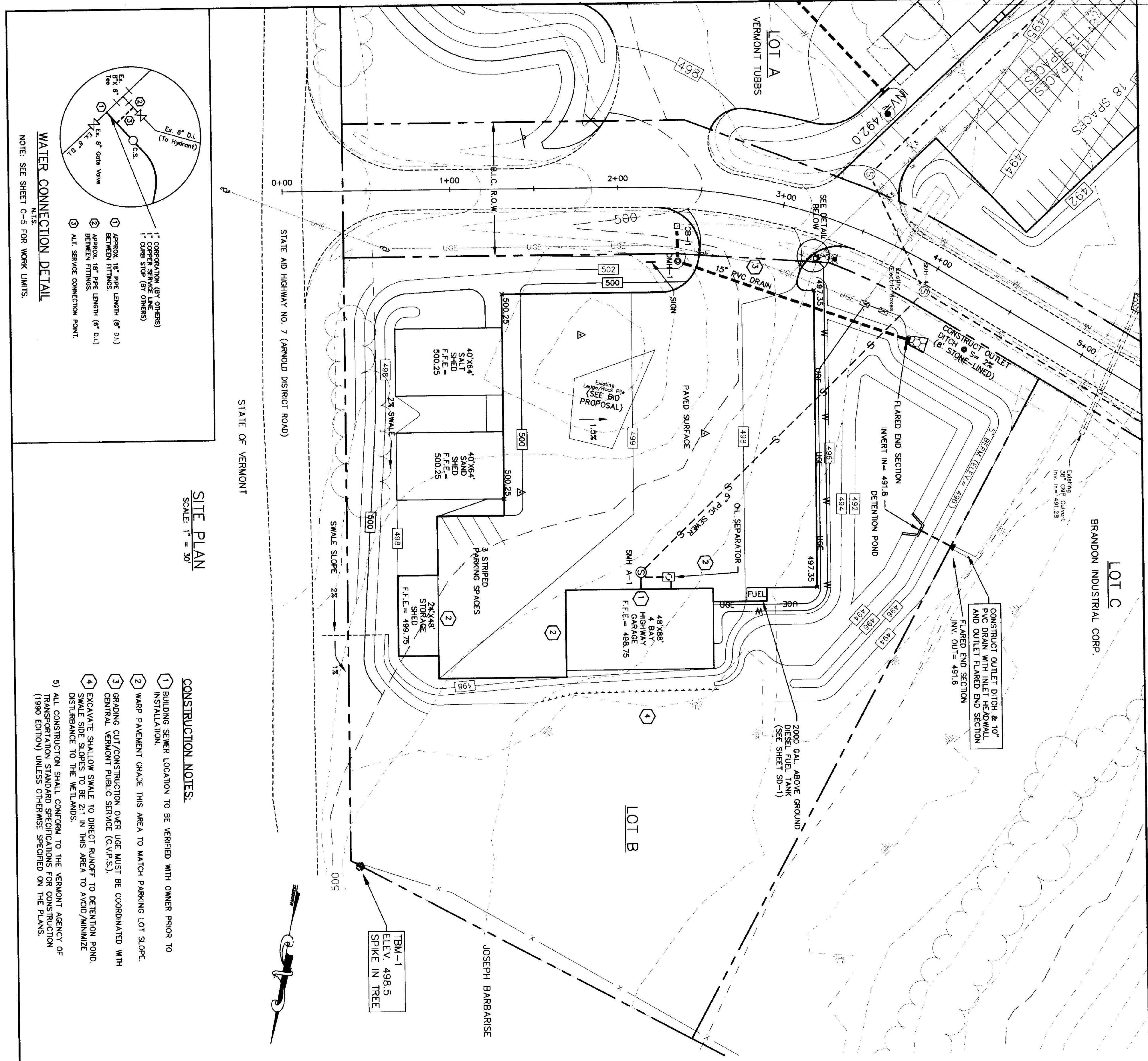


**PROJECT LOCATION**

**INDEX OF SHEETS**

SD-1	SITE PLAN
C-1	SITE PLAN
C-2	SECTIONS & PROFILES
C-3	DRAINAGE DETAILS
C-4	SEWER DETAILS
C-5	WATER DETAILS
C-6	MISCELLANEOUS DETAILS
C-7	EROSION CONTROL
A-1	FIRST FLOOR/MEZZANINE PLANS & SECTIONS
A-2	GARAGE ELEVATIONS
A-3	INTERIOR & CHIMNEY SECTIONS/ELEVATIONS
A-4	WALL PLANS & SECTIONS
A-5	WALL SECTIONS, ROOF PLAN & SCHEDULES
A-6	DOOR, WINDOW & STAIR DETAILS
A-7	40' X 64' SALT SHED (TYPICAL)
A-8	24' X 48' COLD STORAGE SHED
S-1	FOUNDATION PLANS & SECTIONS
S-2	STRUCTURAL STEEL FRAMING & DETAILS
S-3	SAND TRAP & DRAINAGE PLAN
M-1	MECHANICAL PLAN & SECTION
M-2	MECHANICAL ELEVATIONS & DETAILS
P-1	PLUMBING PLAN
E-1	ELECTRICAL PLAN



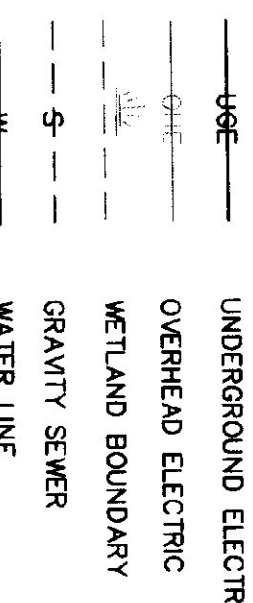


**WATER CONNECTION DETAIL**  
N.T.S.

NOTE: SEE SHEET C-5 FOR WORK LIMITS.

**SITE PLAN**  
SCALE: 1" = 30'

- CONSTRUCTION NOTES:**
- BUILDING SEWER LOCATION TO BE VERIFIED WITH OWNER PRIOR TO INSTALLATION.
  - WARP PAVEMENT GRADE THIS AREA TO MATCH PARKING LOT SLOPE.
  - GRADING CUT/CONSTRUCTION OVER USE MUST BE COORDINATED WITH CENTRAL VERMONT PUBLIC SERVICE (C.V.P.S.).
  - EXCAVATE SHALLOW SWALE TO DIRECT RUNOFF TO DETENTION POND. SWALE SIDE SLOPES TO BE 2:1 IN THIS AREA TO AVOID/MINIMIZE DISTURBANCE TO THE WETLANDS.
  - ALL CONSTRUCTION SHALL CONFORM TO THE VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION (1990 EDITION) UNLESS OTHERWISE SPECIFIED ON THE PLANS.



**BASIS OF DESIGN**

SEWER USE:	NO.	DEMAND EA (GPD)	TOTAL (GPD)
EMPLOYEES	6	15	90
INFILTRATION			81
			<b>TOTAL 171</b>

WATER USE:	NO.	DEMAND EA (GPD)	TOTAL (GPD)
EMPLOYEES	6	15	90
			<b>TOTAL 90</b>

**FIGURE ANALYSIS:**

FIGURES	NO.	F.U. EA (*)	TOTAL (F.U.)
WATER CLOSET (TANK)	1	9	9
WATER SHUT OFF	1	1	1
WATER STALL	1	5	5
DRINKING FOUNTAIN	1	0.25	0.25
URINAL (VALVE)	1	3	3
HOSE BIB	3	3	9
			<b>TOTAL (F.U.) 20.25</b>

MAXIMUM PROBABLE FLOW: 13.4 GPM (\*\*)  
(\*\*) BOCA NATIONAL PLUMBING CODE, TABLE C.1.5 (20.25 F.U.)

**GENERAL NOTES:**

PROPERTY LINES FROM A PLAN ENTITLED "LOT LAYOUT PLAN FOR BRANDON INDUSTRIAL CORP.", PREPARED BY BRUNO ASSOCIATES, DATED SEPTEMBER 11, 1996.

WETLANDS DELINEATION BY WM. COUNTRYMAN'S OFFICE ON MARCH 29, 1996.

ALL ELEVATIONS AND DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DISCREPANCY IN ELEVATIONS AND/OR DIMENSIONS SHOWN ON THE PLANS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.

THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOULD BE CONSIDERED APPROXIMATE UNTIL VERIFIED IN THE FIELD.

EXPLORATORY EXCAVATIONS SHALL BE CONDUCTED BY THE CONTRACTOR TO CONFIRM THE ELEVATION AND LOCATION OF THE EXISTING UNDERGROUND UTILITIES AND TELEPHONE CONDUITS PRIOR TO CONSTRUCTION. ANY CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

NOTIFY THE ENGINEER 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION TO SCHEDULE SITE VISITS AND TESTING OBSERVATIONS.

ALL WORK SHALL CONFORM TO NATIONAL PLUMBING CODES, NATIONAL ELECTRICAL CODES, LOCAL AND STATE CONSTRUCTION GUIDELINES.

ALL ROAD SURFACES DAMAGED DURING THE INSTALLATION OF THE SEWER AND WATER LINES SHALL BE RESTORED TO MATCH EXISTING CONDITIONS.

NOTIFY DIGSAFE AT LEAST 72 HOURS PRIOR TO CONSTRUCTION AT 1-888-344-7233. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY UTILITIES AND DRAINAGE DEVICES. RESPONSIBILITY SHALL BE TAKEN TO PREVENT INJURY AND/OR DAMAGE TO THESE UTILITIES.

THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR ENSURING THAT ALL WORK IS PERFORMED IN A SAFE AND RESPONSIBLE MANNER THAT CONFORMS TO STATE AND FEDERAL GUIDELINES AND REGULATIONS.

UPON COMPLETION OF CONSTRUCTION, ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION. THIS WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, THE APPLICATION OF GRASS SEED, FERTILIZER, MULCH AND FOLLOW UP MAINTENANCE TO PRODUCE A STRONG VEGETATIVE GROWTH.

NO.	REVISIONS	DATE
1.	PERMIT PLANS	MFD 2/28/97
2.	SIGN	ESC 5/15/97
3.	FLOOR DRAIN	ESC 6/5/97
4.	SEWER FLOW	ESC 6/9/97
5.	CONSTRUCTION PLANS	MFD, ESC 7/2/97
6.	CONSTRUCTION PLANS II	MFD 7/9/97

**SITE PLAN**  
FOR  
**VERMONT AOT MAINTENANCE GARAGE**  
IN  
**BRANDON, VERMONT**

**BRUNO ASSOCIATES INC. P.C.**  
ENGINEERS, PLANNERS, SURVEYORS  
PO BOX 387, THE MILL BUILDING  
WOODSTOCK, VERMONT 05091

PHONE: (802) 457-3560 FAX: (802) 457-4853

**FOR CONSTRUCTION**

DESIGNED: ESC, DMJ  
DRAWN: WJD  
CHECKED: JMB  
DATE: 11/4/96

**VERMONT AOT**

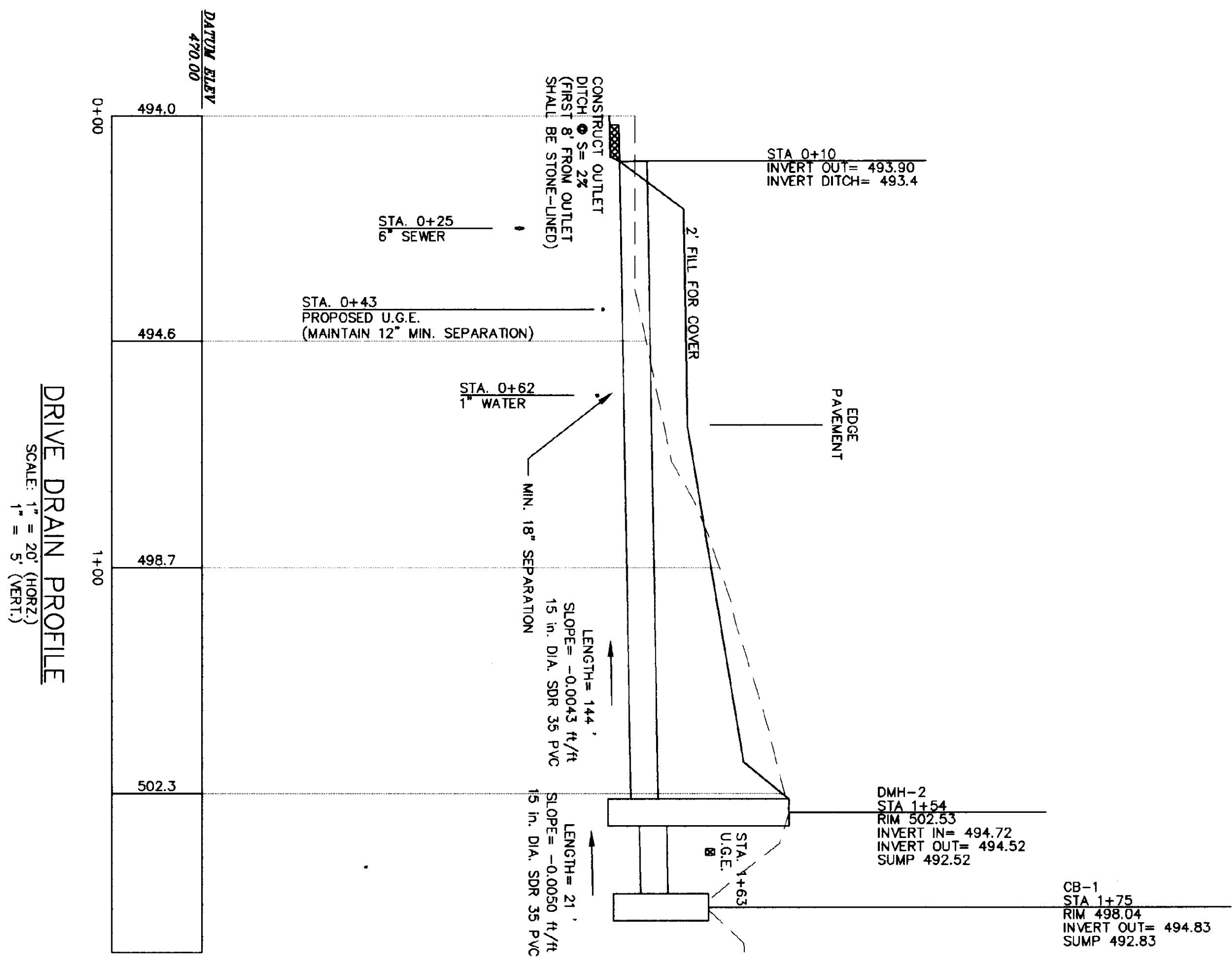
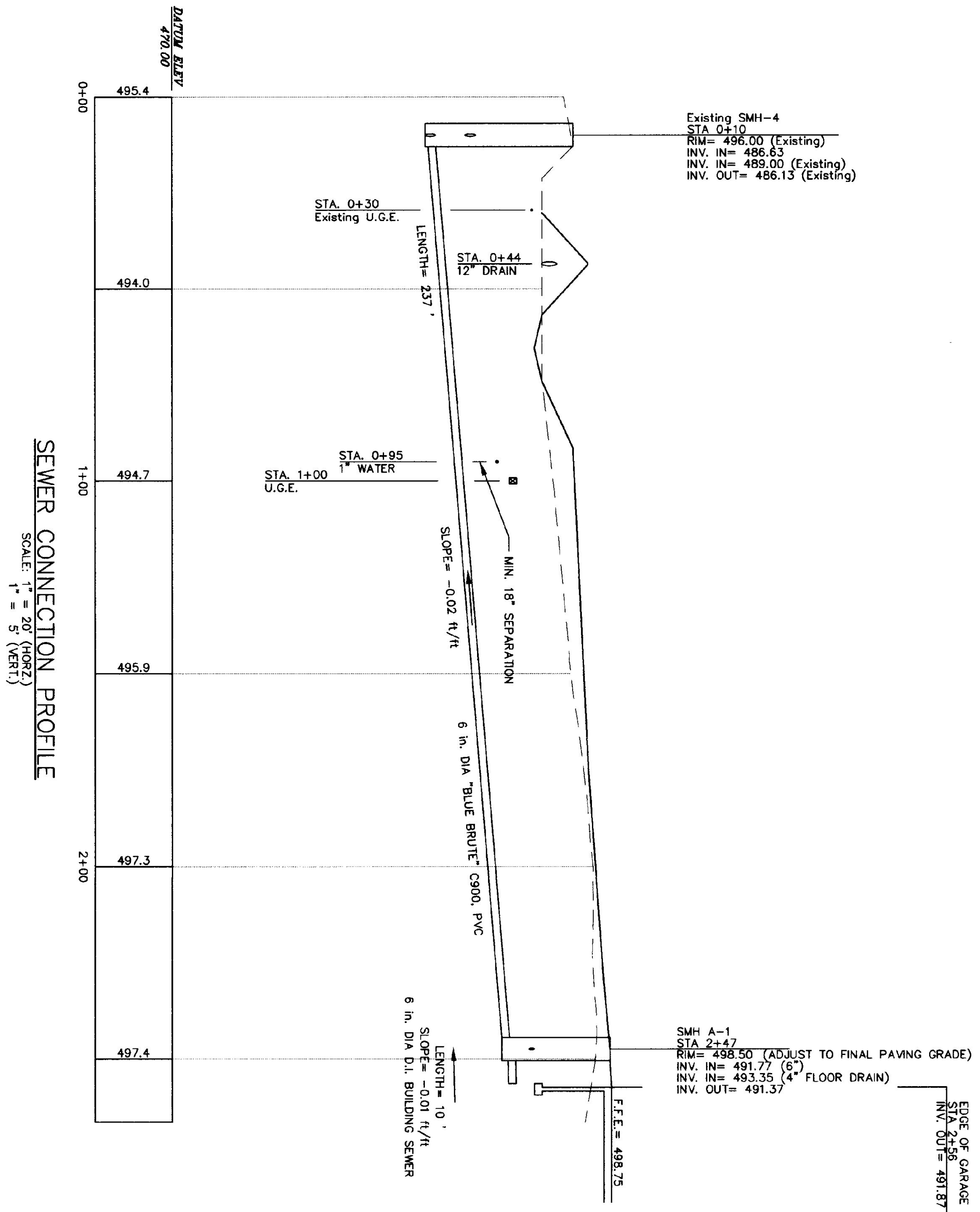
**SITE PLAN**

**C1**

**2 OF 23**

© 1997  
BRUNO ASSOCIATES INC., P.C.  
C:\Users\bruno\p7-41\AOT-PL  
PROJECT 970041  
WOOD SHED

SCALE: 1" = 30'



SCALE: AS NOTED

**FOR CONSTRUCTION**

**BRUNO ASSOCIATES INC. P.C.**  
ENGINEERS, PLANNERS, SURVEYORS  
PO BOX 387, THE MILL BUILDING  
WOODSTOCK, VERMONT 05091

PHONE: (802) 457-3560 FAX: (802) 457-4853

DESIGNED: ESC. DAN  
DRAWN: MJD  
CHECKED: MJB  
DATE: 11/4/96

VERMONT AOT

PROFILES  
C2  
3 OF 23

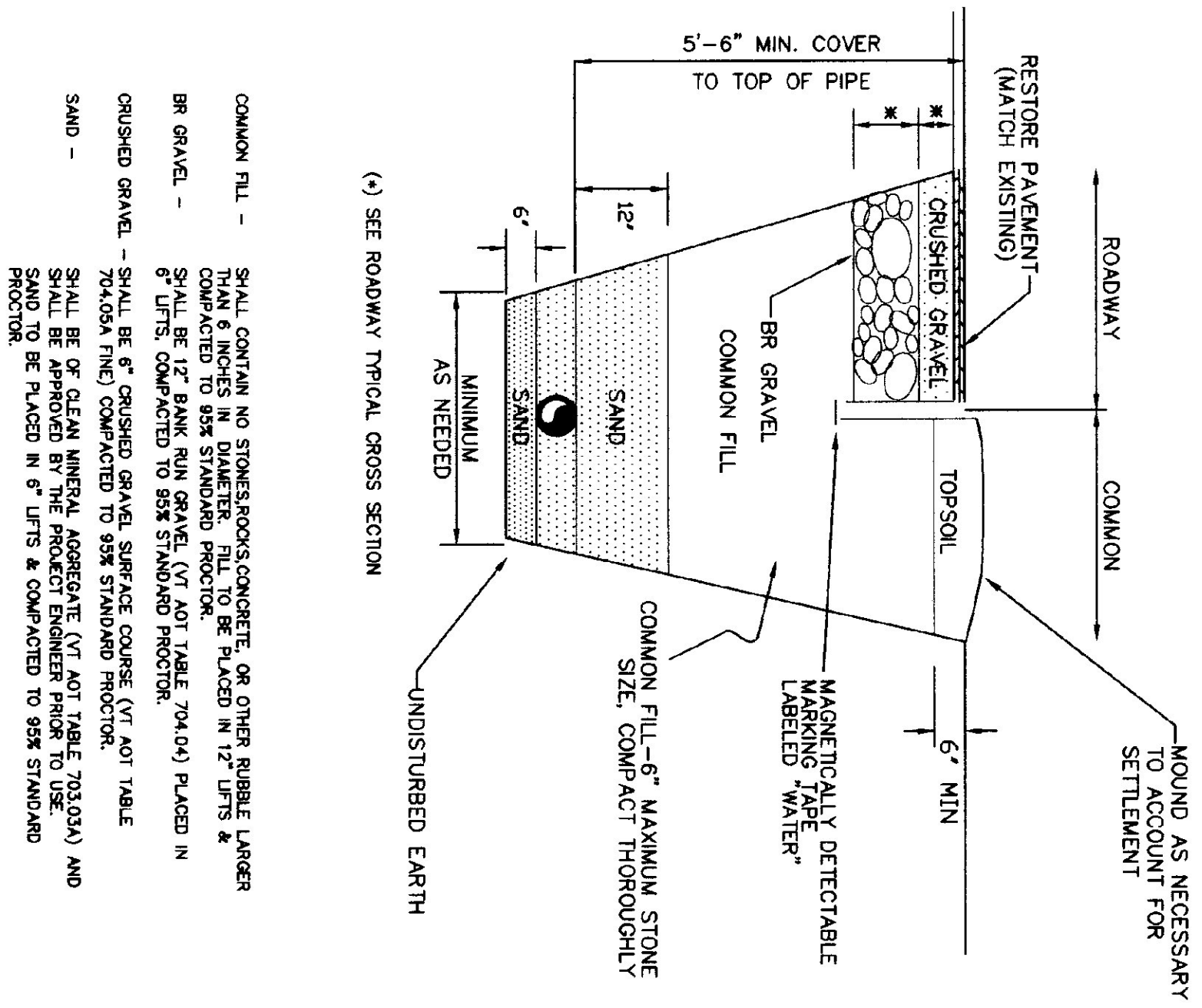
1997  
BRUNO ASSOCIATES INC., P.C.  
c:\ver\brunovp7-4\vd-4r  
PROJECT: 570041  
VLOT SHED

**PROFILES FOR VERMONT AOT MAINTENANCE GARAGE IN BRANDON, VERMONT**

NO.	REVISIONS	DATE
1.	PERMIT PLANS	MFD 2/28/97
2.	CONSTRUCTION PLANS	MFD 7/2/97
3.	CONSTRUCTION PLANS II	MFD 7/9/97







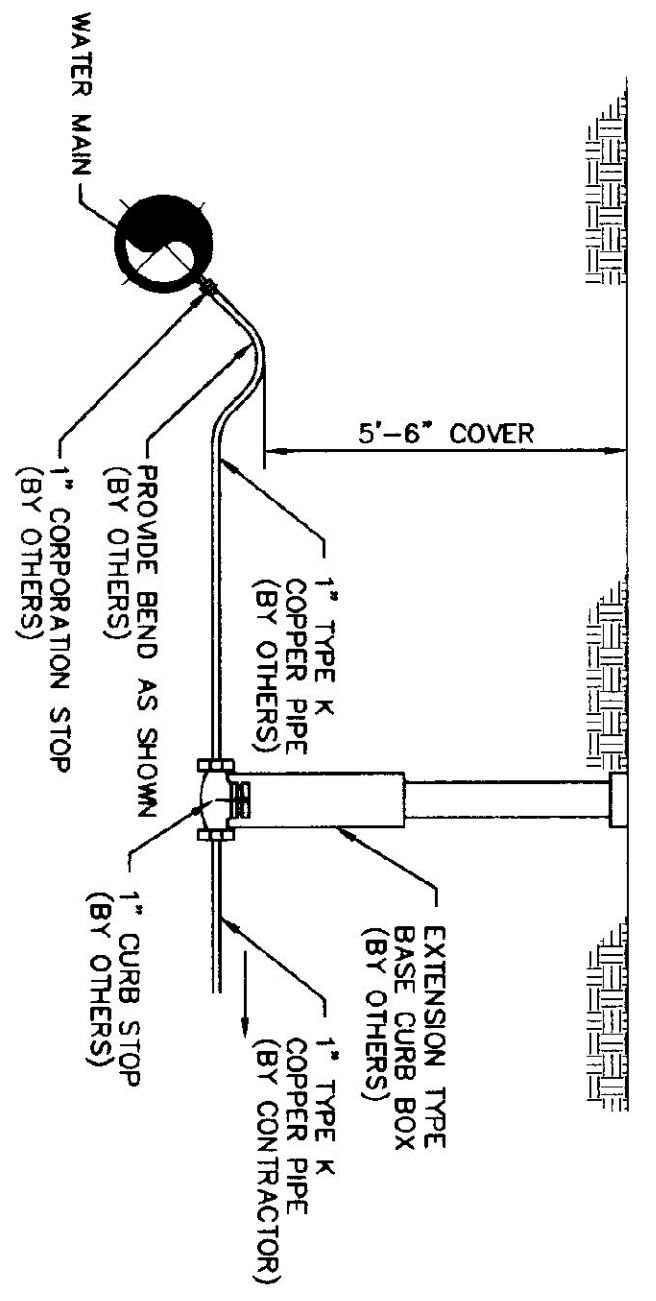
COMMON FILL - SHALL CONTAIN NO STONES OR CONCRETE OR OTHER LARGE  
 DEBRIS. SHALL BE PLACED IN 12" LIFTS &  
 COMPACTED TO 95% STANDARD PROCTOR.  
 BR GRAVEL - SHALL BE 12" BANK RUN GRAVEL (VT AOT TABLE 704.04) PLACED IN  
 6" LIFTS, COMPACTED TO 95% STANDARD PROCTOR.  
 CRUSHED GRAVEL - SHALL BE 6" CRUSHED GRAVEL SURFACE COURSE (VT AOT TABLE  
 704.05A FINE) COMPACTED TO 95% STANDARD PROCTOR.  
 SAND - SHALL BE OF CLEAN MINERAL AGGREGATE (VT AOT TABLE 703.02A) AND  
 SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO USE.  
 SAND TO BE PLACED IN 6" LIFTS & COMPACTED TO 95% STANDARD  
 PROCTOR.

**WATER PIPE TRENCH SECTION**  
 N.T.S.

WATER SERVICE 1" K" COPPER  
 LINE SHALL BE PRESSURE TESTED AND DISINFECTED  
 AS APPROVED BY THE PROJECT ENGINEER.

**NOTE:**

MAGNETICALLY DETECTABLE MARKING TAPE SHALL BE PLACED  
 OVER ALL WATER LINES. TAPE SHALL BE A MINIMUM OF 24"  
 BELOW FINISHED SURFACE OR BELOW LOWEST GRAVEL COURSE,  
 WHICHEVER IS GREATER.



**WATER SERVICE CONNECTION**  
 N.T.S.

- NOTES:**
- 1) CONTRACTOR SHALL COORDINATE WATER SERVICE INSTALLATION  
 WITH MR. DOUG CUMMINGS, BRANDON FIRE DISTRICT (BFD),  
 (802) 247-5311.
  - 2) BFD SHALL TAP EXISTING WATER MAIN, PROVIDE COPROBATION,  
 1" COPPER STOP, AND CURB STOP WITH GATE BOX.
  - 3) CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION AND  
 BACKFILL FOR WORK DONE BY BFD. CONTRACTOR SHALL NOT  
 EXCAVATE NEAR OR TO WATER MAIN WITHOUT A REPRESENTATIVE  
 OF THE BFD ON-SITE.
  - 4) CONTRACTOR SHALL BE RESPONSIBLE FOR \$278 TAPPING FEE  
 (PAYABLE TO BFD).
  - 5) CONTRACTOR SHALL CONSTRUCT WATER SERVICE FROM CURB  
 STOP TO GARAGE.

**LEAKAGE TESTING OF WATER LINES**

ALL TYPES OF INSTALLED WATER LINES SHALL BE PRESSURE TESTED  
 AND LEAKAGE TESTED IN ACCORDANCE WITH THE LATEST EDITION OF  
 AWWA STANDARD C-600.

**DISINFECTION OF WATER LINES**

- A) BASIC DISINFECTION PROCEDURE CONSISTS OF:
- 1) PREVENTING CONTAMINATING MATERIALS FROM ENTERING THE  
 WATER LINE DURING CONSTRUCTION OR REPAIR.
  - 2) REMOVING BY FLUSHING OR OTHER MEANS, THOSE MATERIALS THAT  
 MAY HAVE ENTERED THE WATER LINE.
  - 3) CHLORINATING ANY RESIDUAL CONTAMINATION THAT MAY REMAIN,  
 AND FLUSHING THE CHLORINATED WATER.
  - 4) DETERMINING THE BACTERIOLOGICAL QUALITY BY LABORATORY  
 TEST AFTER DISINFECTION.
  - 5) COMPLY WITH ALL PERTINENT PROCEDURES AND REQUIREMENTS OF  
 THE CURRENT EDITION OF AWWA STANDARD C651, FEDERAL STATE  
 AND LOCAL LAWS, REGULATIONS AND ORDINANCES.
- B) DISINFECTION PROCEDURE:
- 1) CLOSE THE SERVICE VALVES AND FILL THE WATER LINE WITH  
 CHLORINATED WATER.
  - 2) LEAVE THE CHLORINATED WATER IN THE WATER LINE FOR AT  
 LEAST 24 HOURS.
  - 3) AT THE END OF THIS PERIOD, THE CHLORINATED WATER SHALL BE  
 SAMPLED AND HAVE A FREE CHLORINE RESIDUAL OF AT LEAST 10  
 mg/L. IF NOT, THE PROCEDURE SHALL BE REPEATED UNTIL THE  
 RESIDUAL REQUIREMENT IS MET.
  - 4) HEAVILY CHLORINATED WATER SHALL BE NEUTRALIZED PRIOR TO  
 RELEASE IN ACCORDANCE WITH THE LATEST EDITION OF AWWA  
 STANDARD C651. NEUTRALIZATION OF CHLORINATED WATER SHALL  
 BE COORDINATED WITH LOCAL AND STATE AGENCIES TO DETERMINE  
 SPECIAL PROVISIONS FOR THE DISPOSAL OF HEAVILY  
 CHLORINATED WATER.
  - 5) THOROUGHLY FLUSH THE WATER LINE ASSURING NO OFFENSIVE  
 ODOR EXISTS DUE TO CHLORINE REACTIONS OR EXCESS CHLORINE  
 RESIDUAL.
  - 6) FLUSHING VELOCITY SHALL NOT BE LESS THAN 2.5 FT/SEC.
  - 7) REPEAT DISINFECTION PROCESS ON LINES THAT BECOME OR MAY  
 HAVE BECOME RECONTAMINATED AND ON ALL LINES IN WHICH  
 COLIFORM BACTERIA WERE FOUND.
  - 8) THE TABLET METHOD IS NOT ACCEPTABLE.
  - 9) RESULTS OF ALL DISINFECTION TESTS SHALL BE PROVIDED TO PROJECT  
 ENGINEER.

SCALE: AS NOTED

NO	REVISIONS	DATE
1.	PERMIT PLANS	MFD 2/28/97
2.	CONSTRUCTION PLANS	MFD 7/2/97
3.	CONSTRUCTION PLANS II	MFD 7/9/97

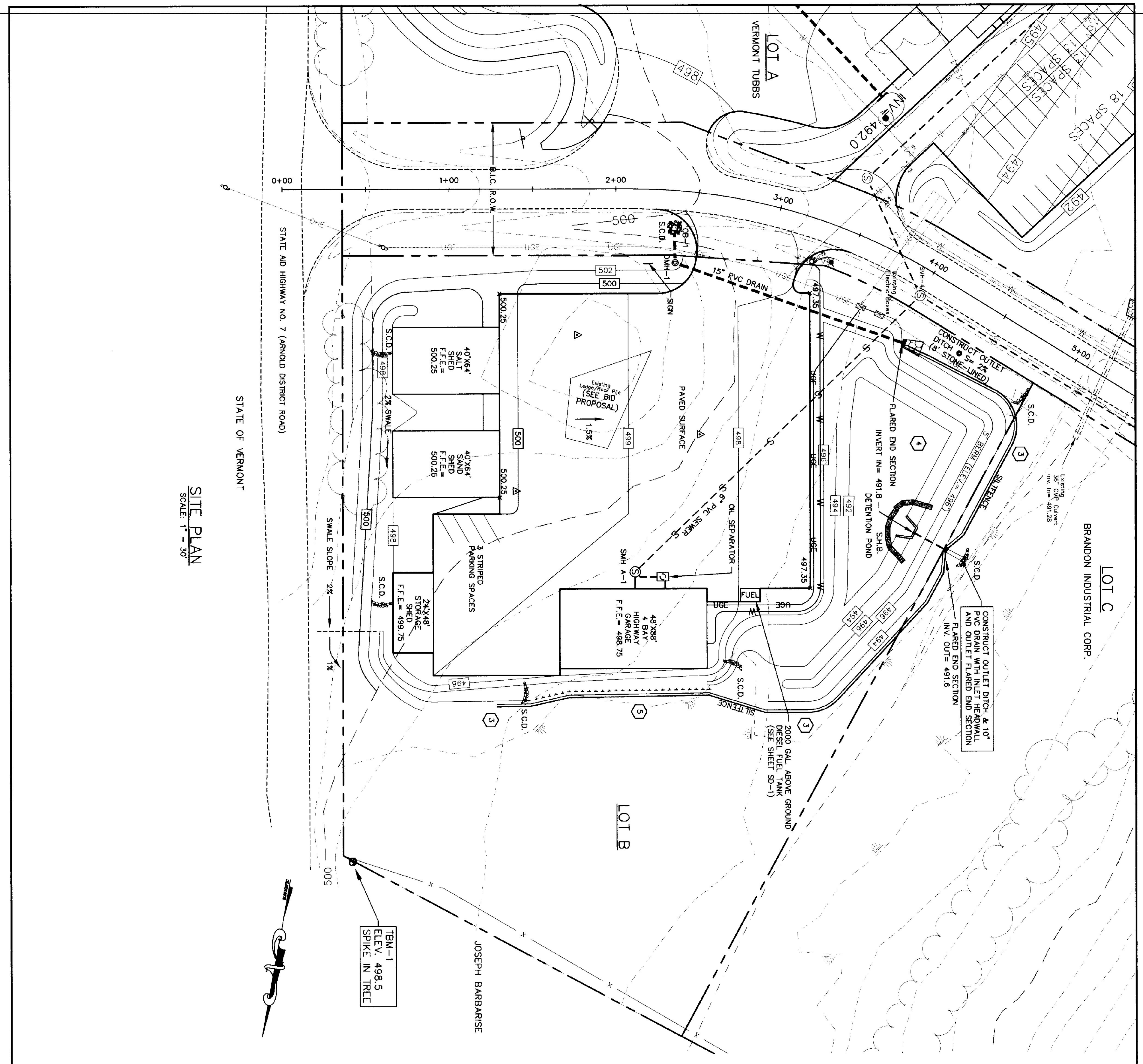
WATER DETAILS  
 FOR  
 VERMONT AOT MAINTENANCE GARAGE  
 IN  
 BRANDON, VERMONT

**BRUNO ASSOCIATES INC. P.C.**  
 ENGINEERS, PLANNERS, SURVEYORS  
 PO BOX 367, THE MILL BUILDING  
 WOODSTOCK, VERMONT 05091  
 PHONE: (802) 457-3560 FAX: (802) 457-4853

**FOR CONSTRUCTION**

SURVEYED: N/A
DESIGNER: ESC, DAN
DRAWN: WFD, ESC
CHECKED: MJB
DATE: 11/7/96
VERMONT AOT
WATER DETAILS
C5
6 OF 23
© 1997
BRUNO ASSOCIATES INC., P.C.
100 WATER STREET
BRANDON, VERMONT 05733
PROJECT: 97041
DATE: 11/7/96





**SITE PLAN**  
SCALE: 1" = 30'

**LEGEND**

▲	SURVEY POINT
⊠	FIRE HYDRANT
⊞	WATER VALVE
⊟	WATER SHUT OFF
⊠	CATCH BASIN
⊞	DRAIN MANHOLE
⊟	SEWER MANHOLE
⊠	UTILITY POLE
⊞	FLARED END SECTION
⊟	BOUNDARY LINE
---	WIRE FENCE
---	UNDERGROUND ELECTRIC
---	OVERHEAD ELECTRIC
---	WETLAND BOUNDARY
---	GRAVITY SEWER
---	WATER LINE
---	STONE CHECK DAM
---	STAKED HAYBALE
---	SILT FENCE

**CONSTRUCTION NOTES:**

- 1) UTILIZE THIS PLAN SHEET FOR THE INSTALLATION OF EROSION CONTROL ONLY.
- 2) SEE SHEET C1 FOR GENERAL AND CONSTRUCTION NOTES.
- 3) CONTRACTOR SHALL INSTALL SILTENCE PRIOR TO COMMENCING ANY EARTHWORK. SILTENCE ON PLAN SERVES THE DUAL PURPOSE OF SEDIMENT CONTROL AND PROTECTING AGAINST UNNECESSARY DISTURBANCE OF WETLANDS. FAILURE TO PROPERLY INSTALL AND MAINTAIN SILTENCE TO SERVE THESE FUNCTIONS MAY EXPOSE CONTRACTOR TO STATE AND FEDERAL PENALTIES.
- 4) CONTRACTOR SHALL CONSTRUCT DETENTION POND (AFTER SILTENCE) PRIOR TO ANY EARTHWORK. POND SHALL SERVE AS TEMPORARY SEDIMENTATION BASIN. ACCUMULATED SEDIMENT SHALL BE REMOVED AND PROPERLY DISPOSED.
- 5) EXCAVATE SHALLOW SWALE TO DIRECT RUNOFF TO DETENTION POND. SWALE SIDE SLOPES TO BE 2:1 IN THIS AREA TO AVOID/MINIMIZE DISTURBANCE TO THE WETLANDS.

SCALE: 1" = 30'

**FOR CONSTRUCTION**

**BRUNO ASSOCIATES INC. P.C.**  
ENGINEERS, PLANNERS, SURVEYORS  
PO BOX 387, THE MILL BUILDING  
WOODSTOCK, VERMONT 05091  
PHONE: (802) 457-3560 FAX: (802) 457-4853

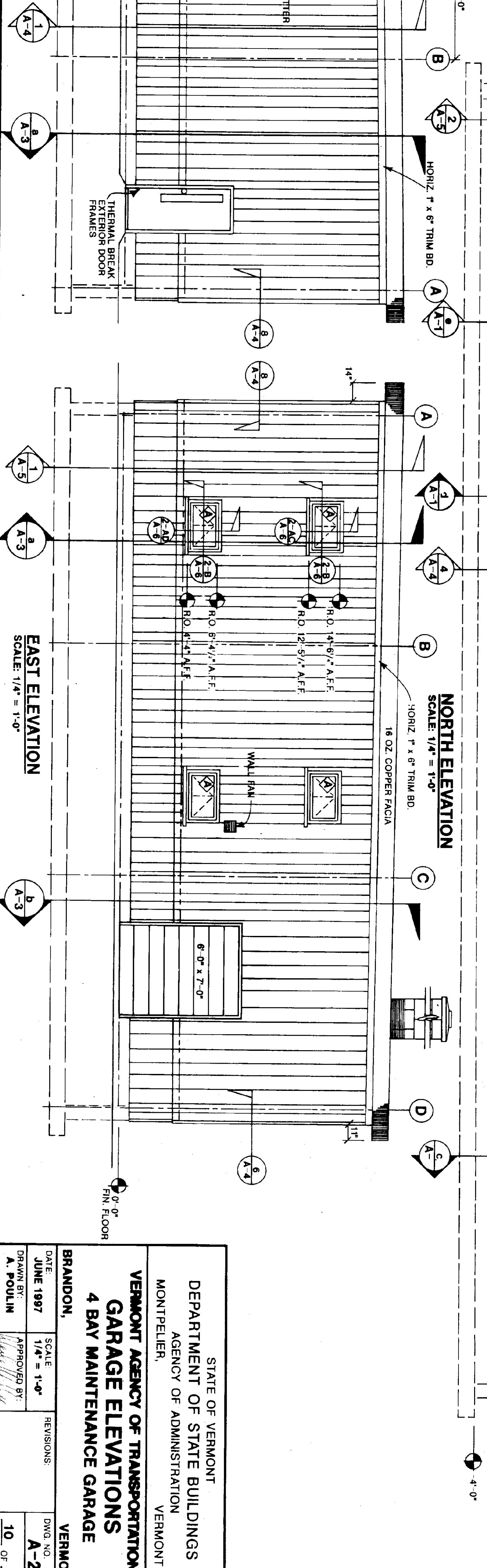
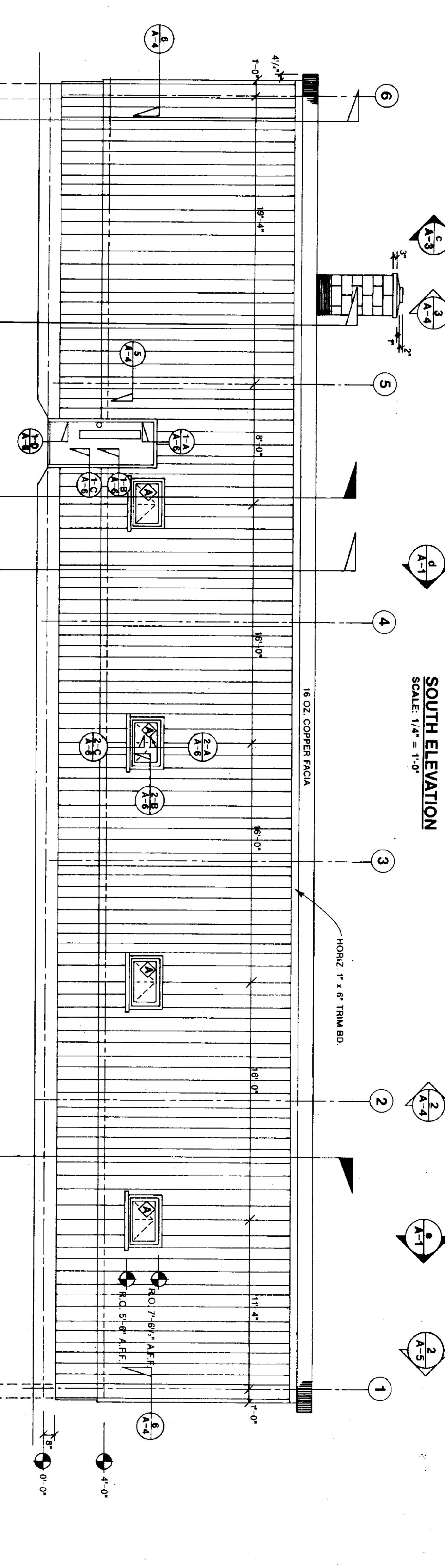
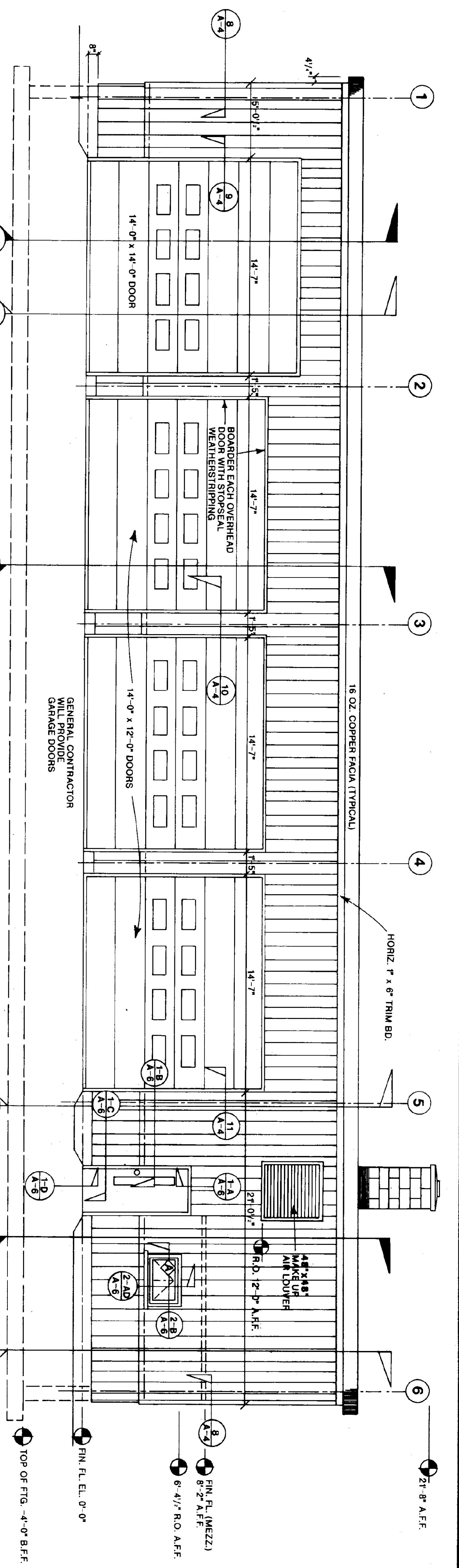
**EROSION CONTROL PLAN**  
FOR  
**VERMONT AOT MAINTENANCE GARAGE**  
IN  
**BRANDON, VERMONT**

NO.	REVISIONS	DATE
1.	PERMIT PLANS MFD	2/28/97
2.	CONSTRUCTION PLANS MFD	7/2/97
3.	CONSTRUCTION PLANS II MFD	7/9/97

SURVEYED: OTHERS  
DESIGNED: ESC, DAN  
DRAWN: END  
CHECKED: AND  
DATE: 11/24/96  
**VERMONT AOT**  
EROSION CONTROL  
C7  
**8 OF 23**  
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BRUNO ASSOCIATES INC., P.C.  
C:\WORKS\BRANDON\97-41\AOT-PL  
PROJECT: 970041  
VLOT SHEET



- ABBREVIATIONS**
- A.F.F. ABOVE FINISHED FLOOR
  - A.B. ANCHOR BOLT
  - BIT. BITUMINOUS
  - C.B. CARRIAGE BOLT
  - CTR. CENTER
  - COLS. CONCRETE MASONRY UNIT
  - C.M.U. EACH WAY
  - E.W. FACE OF BLOCK
  - F.O.F. FACE OF FOUNDATION
  - F.O.S. FACE OF STUDS
  - F.C.O. FLOOR CLEAN OUT
  - F.D. FLOOR DRAIN
  - GA. GAUGE
  - HORIZ. HORIZONTAL
  - O.C. ON CENTER
  - OPP. OPPOSITE
  - O.S.B. ORIENTED STRAND BOARD
  - RADIUS RADIUS
  - ROUGH OPENING WIDTH TOP & BOTTOM
  - T. & B. VAPOR BARRIER
  - VERT. VERTICAL
  - W.C.O. WALL CLEAN OUT

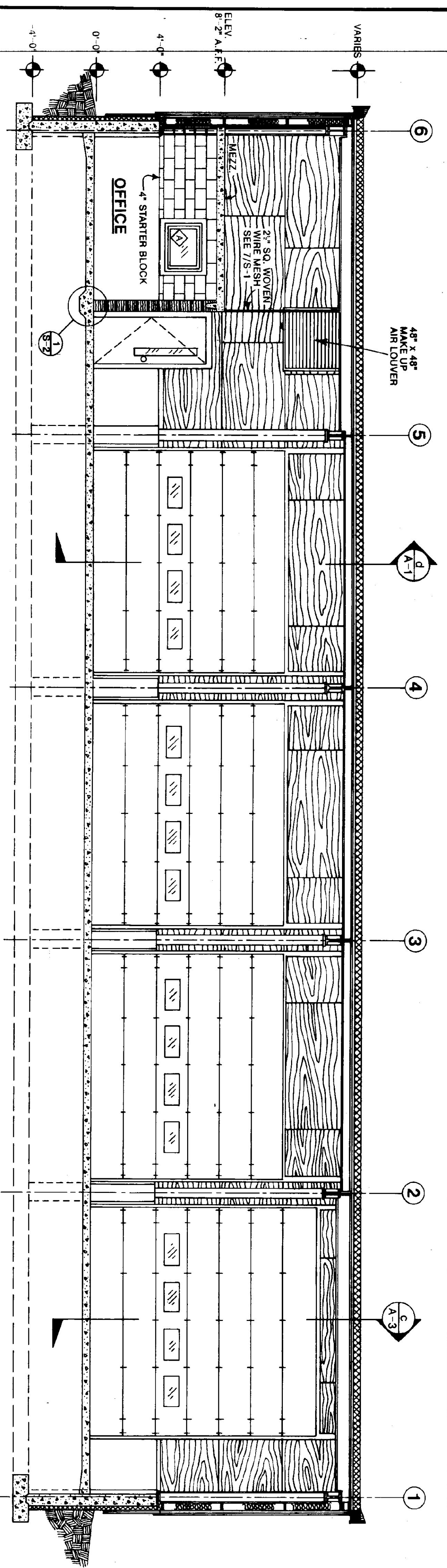


STATE OF VERMONT  
DEPARTMENT OF STATE BUILDINGS  
AGENCY OF ADMINISTRATION  
MONTPELIER, VERMONT

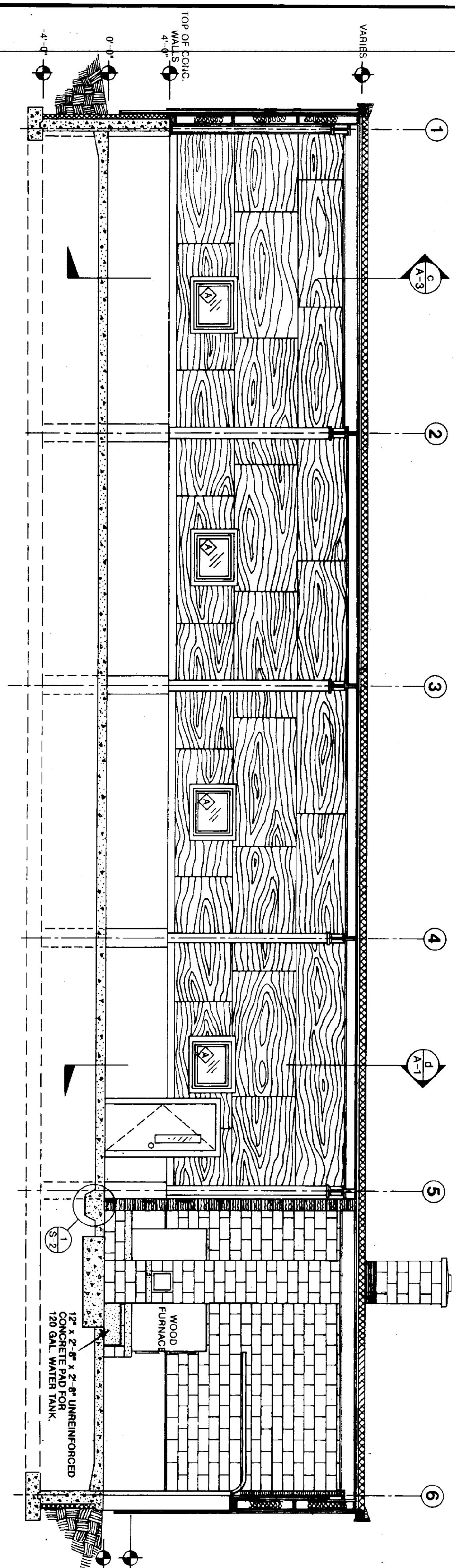
**VERMONT AGENCY OF TRANSPORTATION**  
**GARAGE ELEVATIONS**  
**4 BAY MAINTENANCE GARAGE**

BRANDON, VERMONT

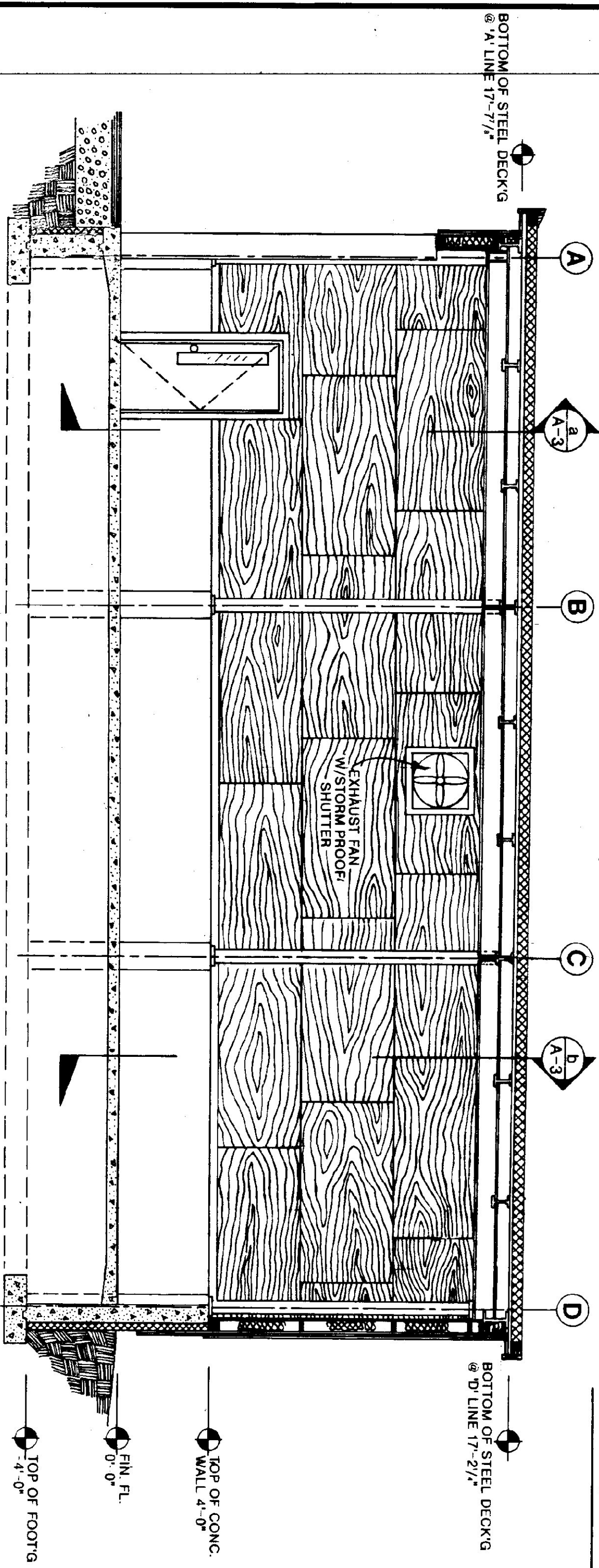
DATE: JUNE 1997	SCALE: 1/4" = 1'-0"	REVISIONS:	DWG. NO. A-2
DRAWN BY: A. POULIN	APPROVED BY:		10 OF 23



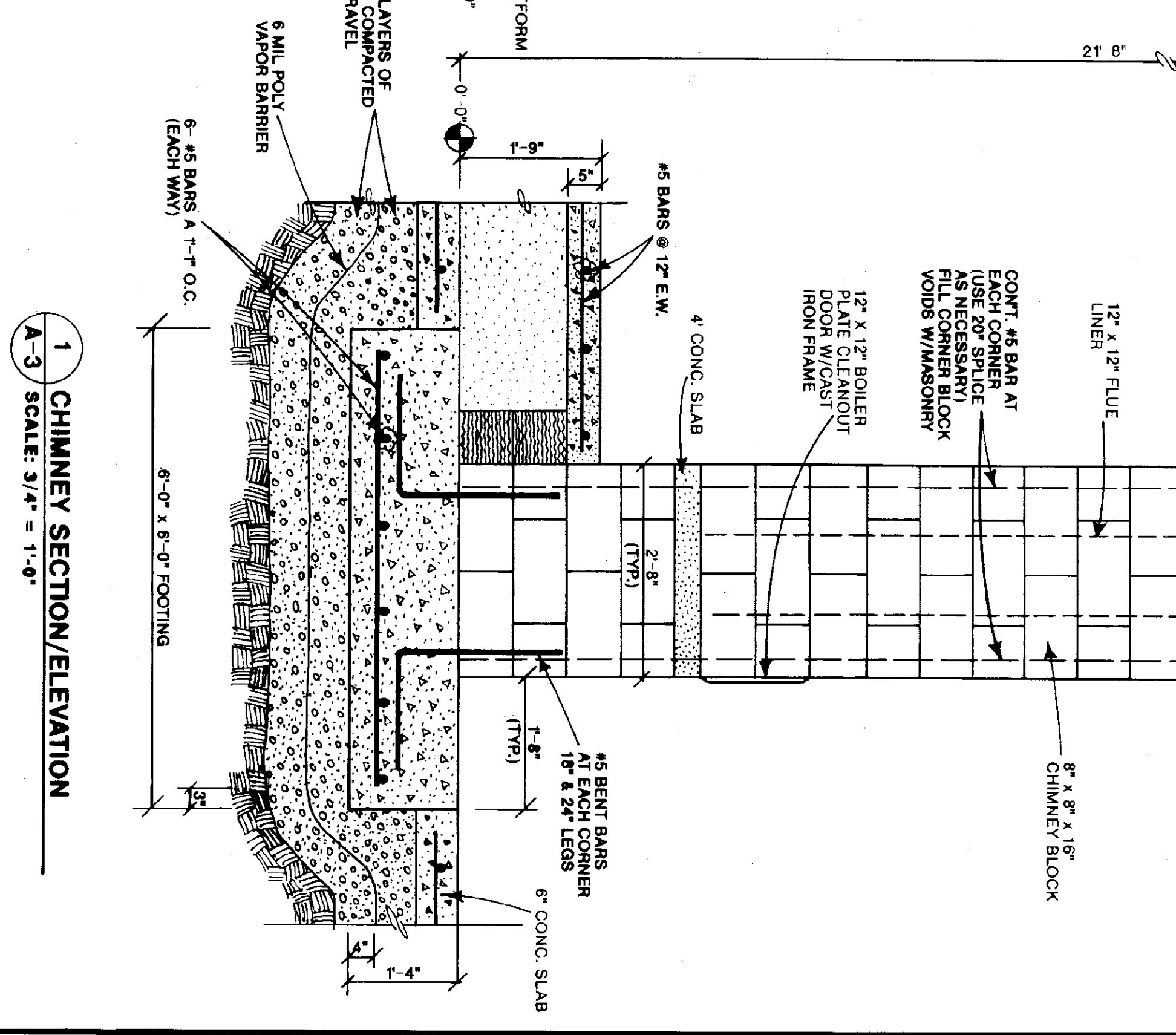
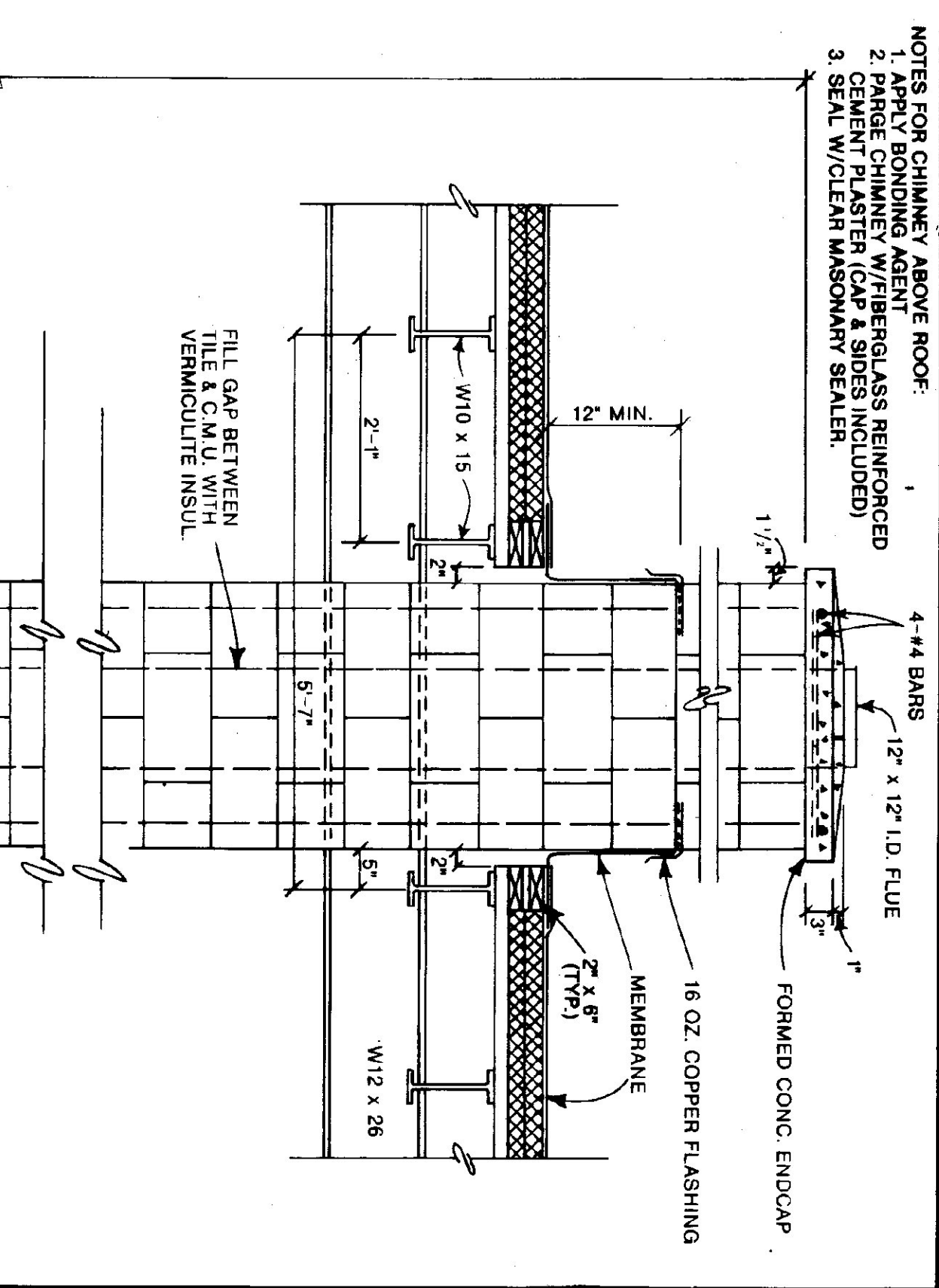
INTERIOR ELEVATION/SECTION (LOOKING TOWARD "A" LINE)  
SCALE: 1/4" = 1'-0"



INTERIOR ELEVATION/SECTION (LOOKING TOWARD "D" LINE)  
SCALE: 1/4" = 1'-0"

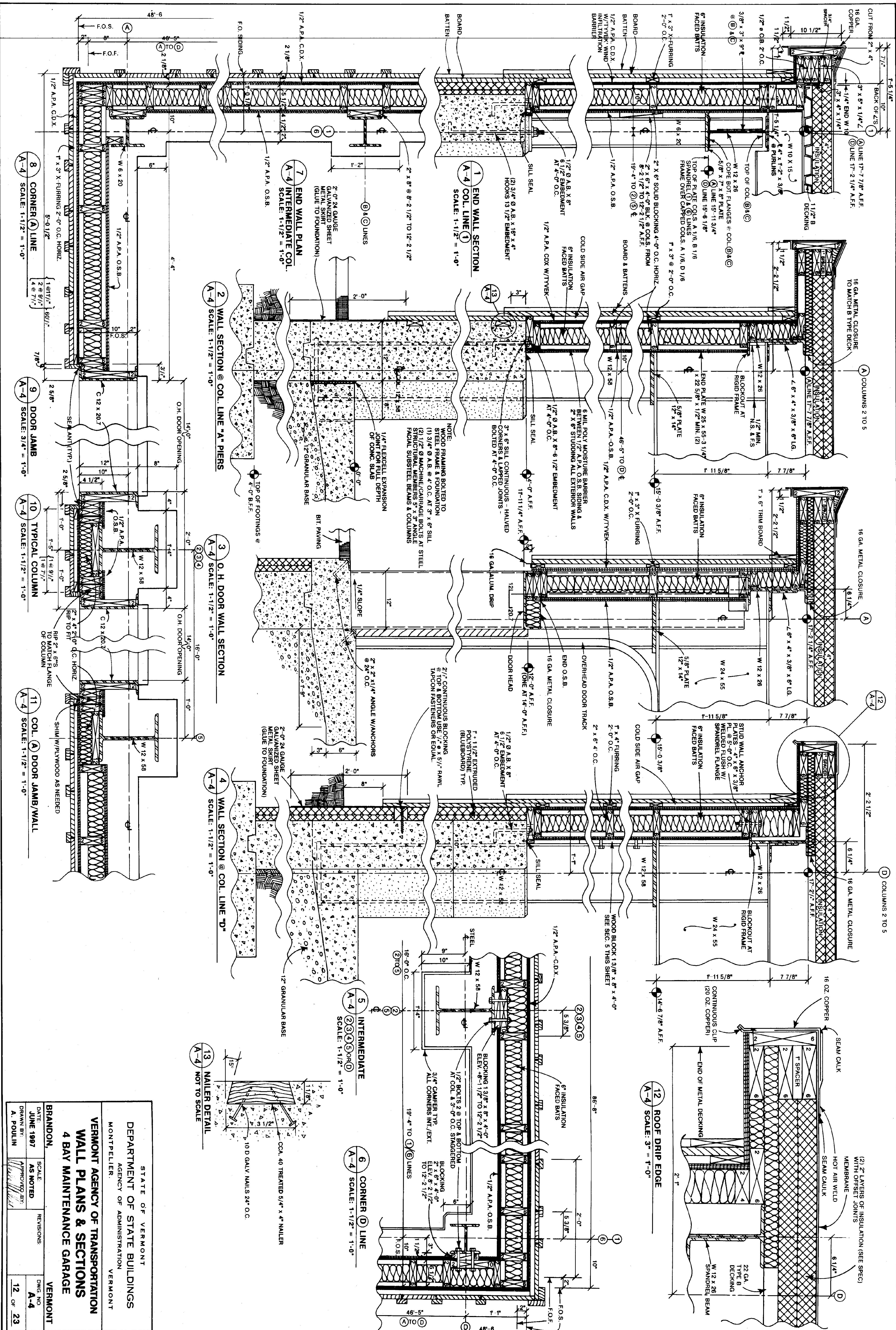


INTERIOR ELEVATION/SECTION (LOOKING TOWARD #1 COL. LINE)  
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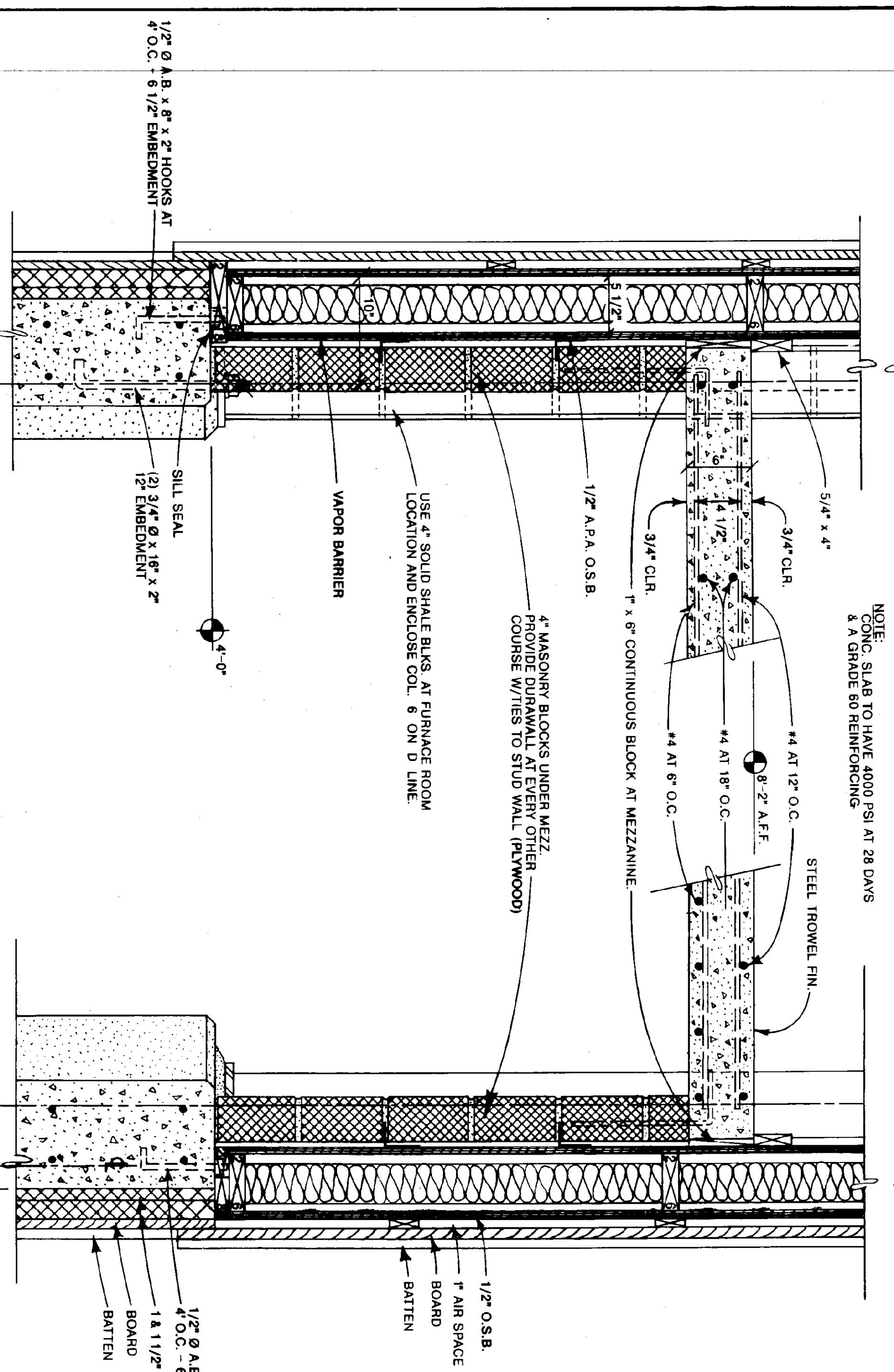
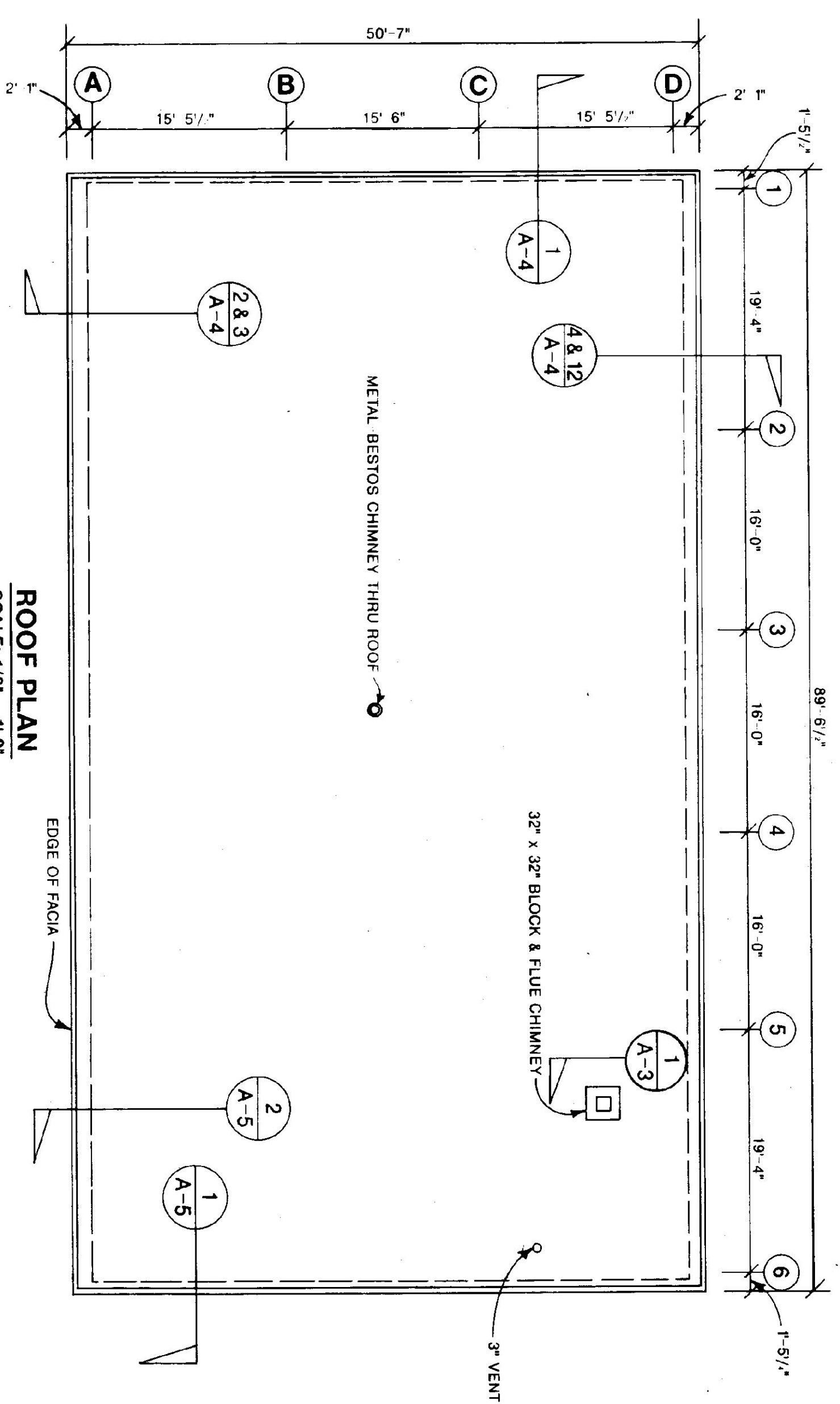
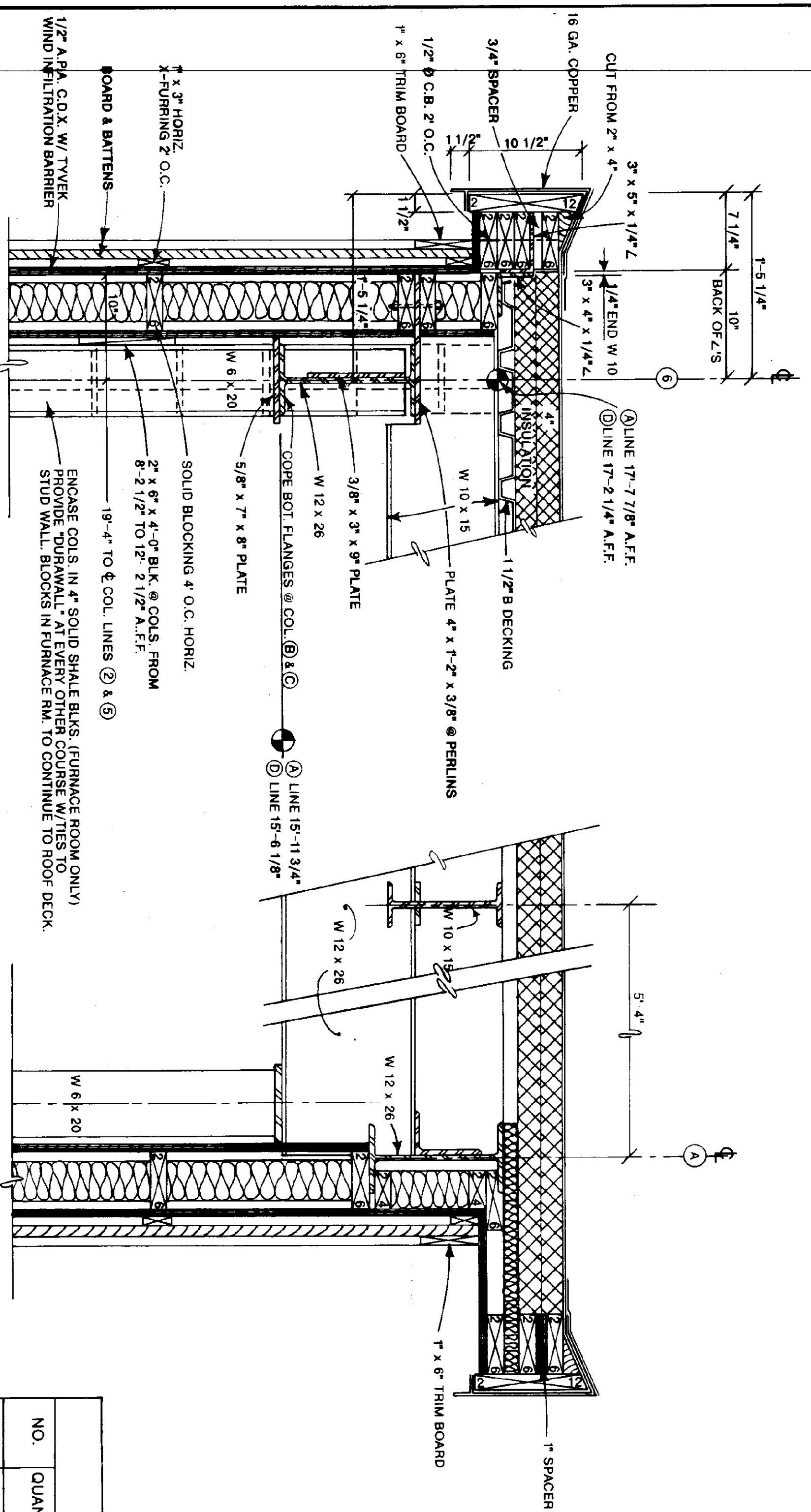


1 CHIMNEY SECTION/ELEVATION  
SCALE: 3/4" = 1'-0"

STATE OF VERMONT		DEPARTMENT OF TRANSPORTATION	
DEPARTMENT OF STATE BUILDINGS		AGENCY OF ADMINISTRATION	
MONTPELIER, VERMONT		VERMONT	
<b>VERMONT DEPARTMENT OF TRANSPORTATION</b>			
<b>INTERIOR AND CHIMNEY SECTIONS/ELEVATIONS</b>			
<b>4 BAY MAINTENANCE GARAGE</b>			
<b>VERMONT</b>			
DATE: JUNE 1997	SCALE: AS NOTED	REVISIONS:	DWG. NO. A-3
DRAWN BY: A. POULIN	APPROVED BY:		11 OF 23



STATE OF VERMONT		VERMONT	
DEPARTMENT OF STATE BUILDINGS		AGENCY OF ADMINISTRATION	
MONTPELIER, VERMONT		VERMONT	
<b>VERMONT AGENCY OF TRANSPORTATION</b>			
<b>WALL PLANS &amp; SECTIONS</b>			
<b>4 BAY MAINTENANCE GARAGE</b>			
BRANDON,	SCALE	REVISIONS	DWG NO.
DATE	AS NOTED		A-4
JUNE 1997	APPROVED BY:		12 OF 23
DRAWN BY:	A. POULIN		

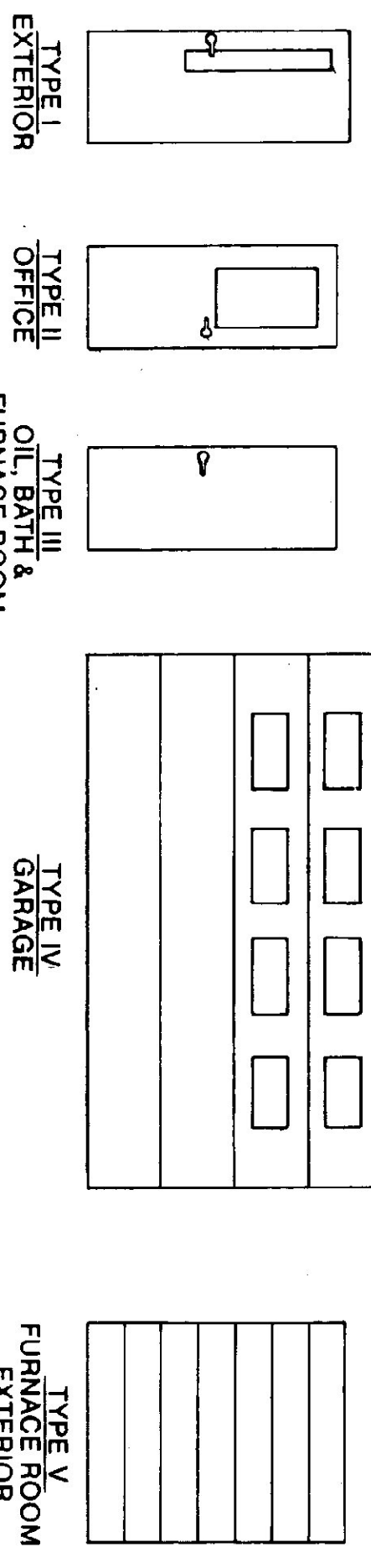


NO.	QUANTITY	SIZE	TYPE	FIRE RATING	DOOR MATERIAL	FRAME MATERIAL	HARDWARE SET #	GLAZING REQUIRED	BUTTS	KICK PLATE	WTHR STRIP	CLOSER	REMARKS
D <sub>1</sub> - D <sub>3</sub>	3	3'-0" x 7'-0"	I	C	INSULATED METAL	METAL	1	6" x 48" WIREGLASS	4 1/2" x 4 1/2" BALL BEARING, NON-REMOVABLE PINS	34" x 10" STAINLESS STEEL	VINYL	SARGENTS 1250 x P.A. x H.O.	THERMAL BREAK FRAME, SWEEP
D <sub>4</sub>	1	3'-0" x 6'-8"	II	C	HOLLOW METAL	"	2	20" x 32" SAFETY	4 1/2" x 4 1/2"	"	"	"	"
D <sub>5</sub>	1	"	III	B	"	"	4	"	"	"	"	"	"
D <sub>6</sub>	1	"	III	B	"	"	3	"	"	"	"	"	"
D <sub>7</sub>	1	"	III	B	"	"	4	"	"	"	"	"	"
D <sub>1</sub> - D <sub>3</sub>	3	14'-0" W. x 12'-0" H.	IV	C	INSULATED STEEL	12" STEEL CHANNEL	"	"	"	"	"	ELECTRIC	OVERHEAD DOOR SERIES 591 THERMACORE W/ ACRYLIC WINDOWS
D <sub>4</sub>	1	14'-0" x 14'-0"	IV	C	"	"	"	"	"	"	"	"	"
D <sub>5</sub>	1	6'-0" x 7'-0"	V	C	"	METAL	"	"	"	"	VINYL	"	"

1 END WALL SECTION @ MEZZANINE  
SCALE: 1/1/2" = 1'-0"

2 WALL SECTION @ COL. LINE "A" MEZZANINE  
SCALE: 1/1/2" = 1'-0"

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



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

WINDOW SCHEDULE

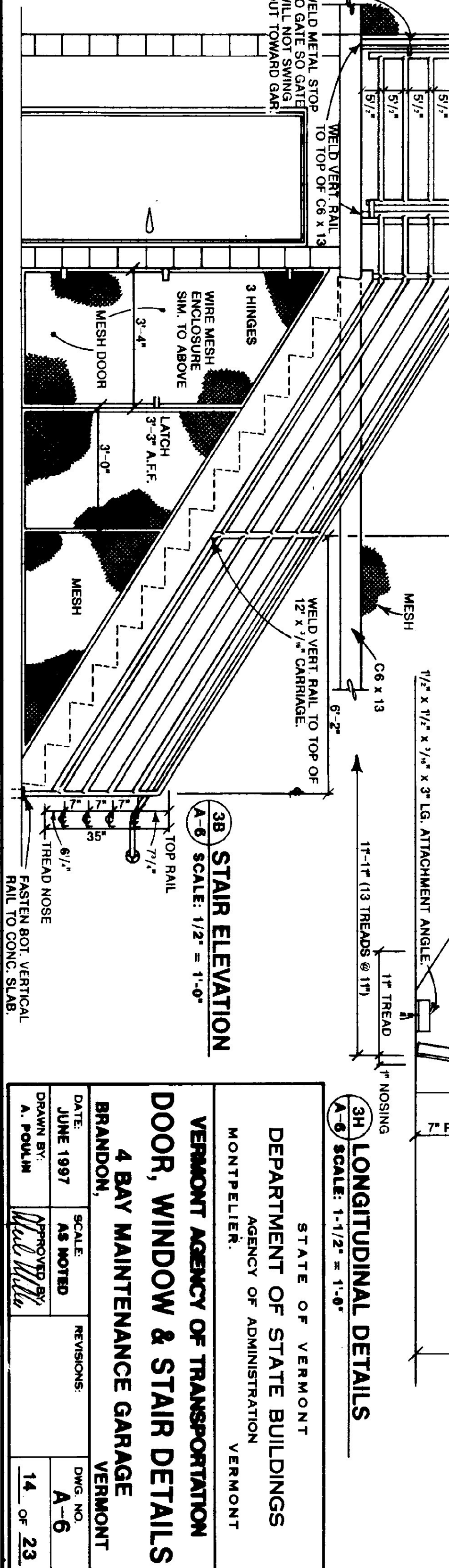
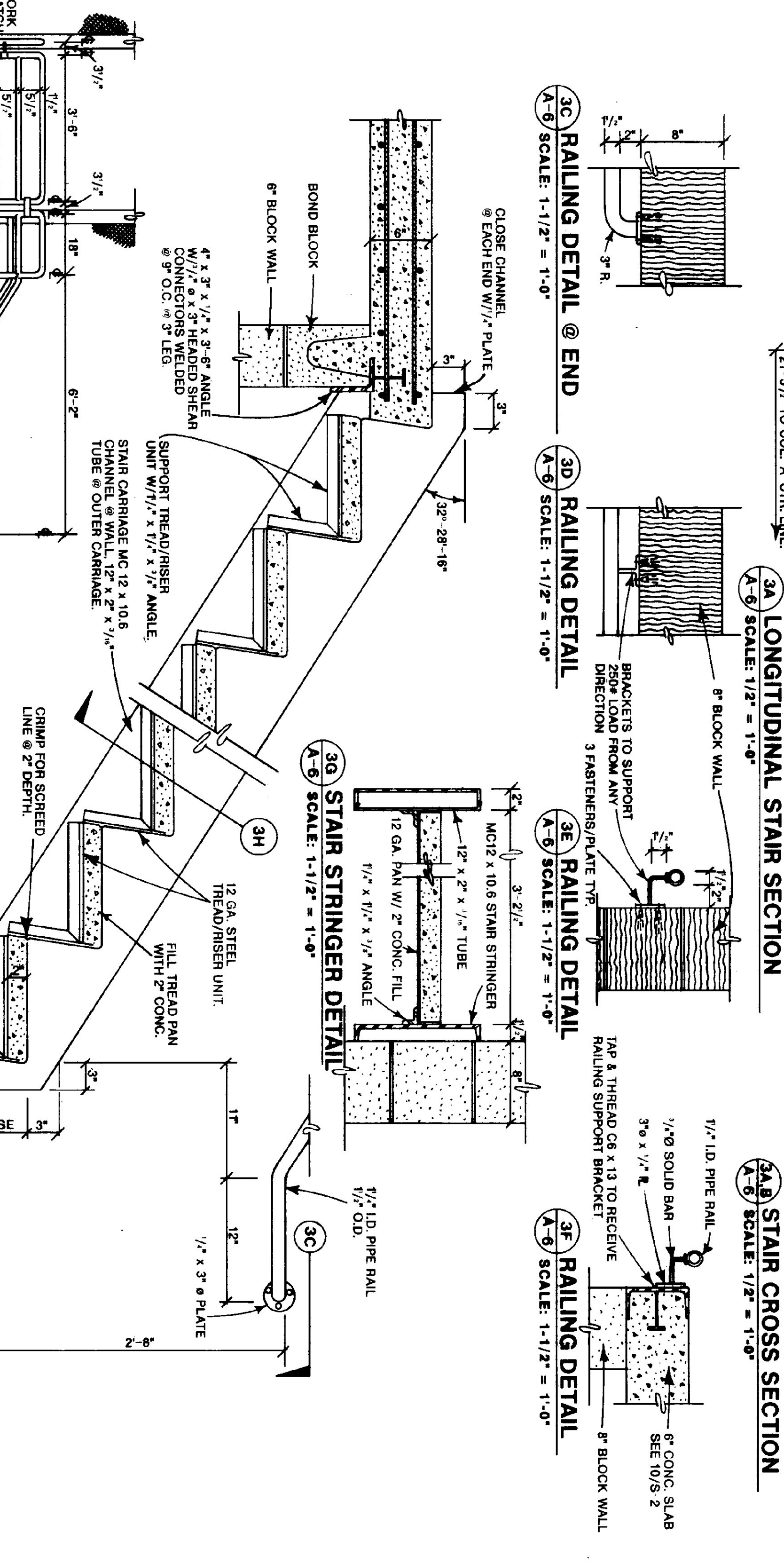
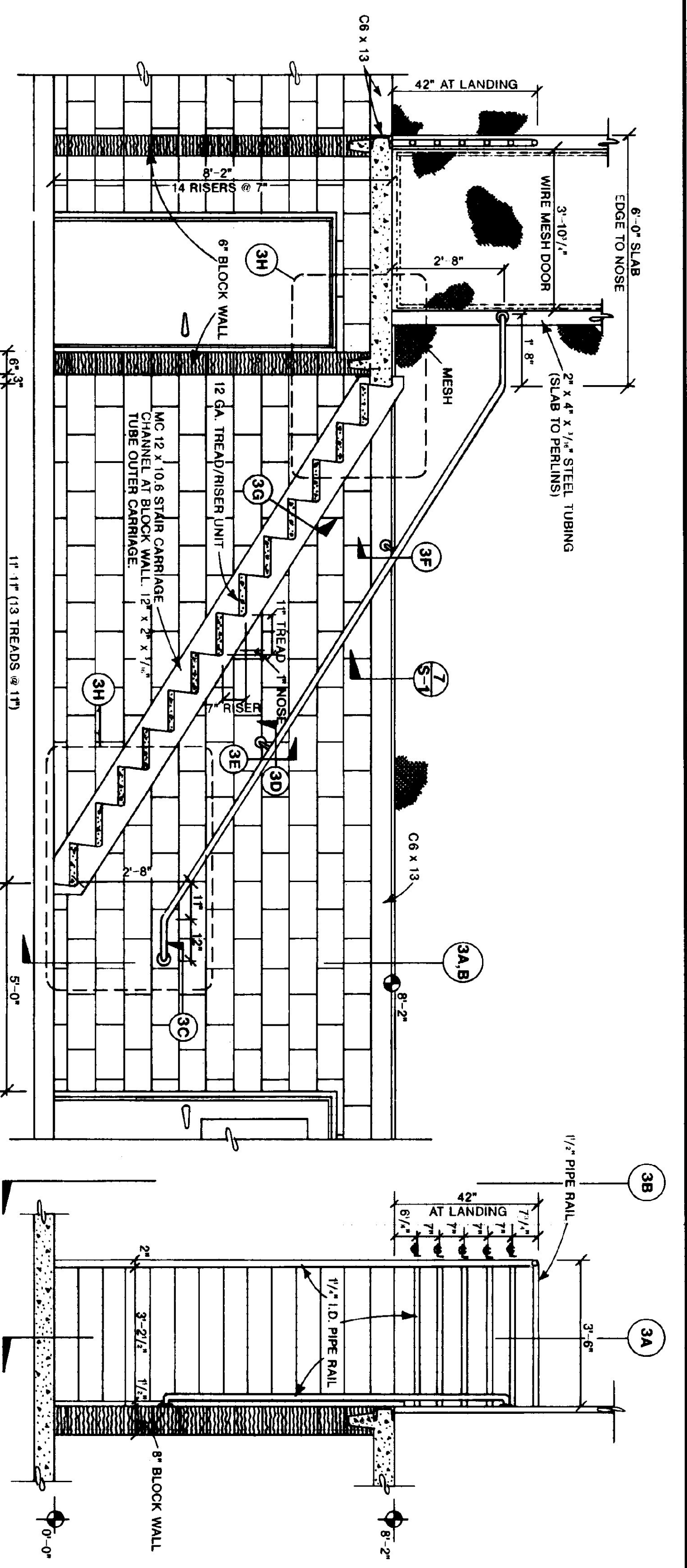
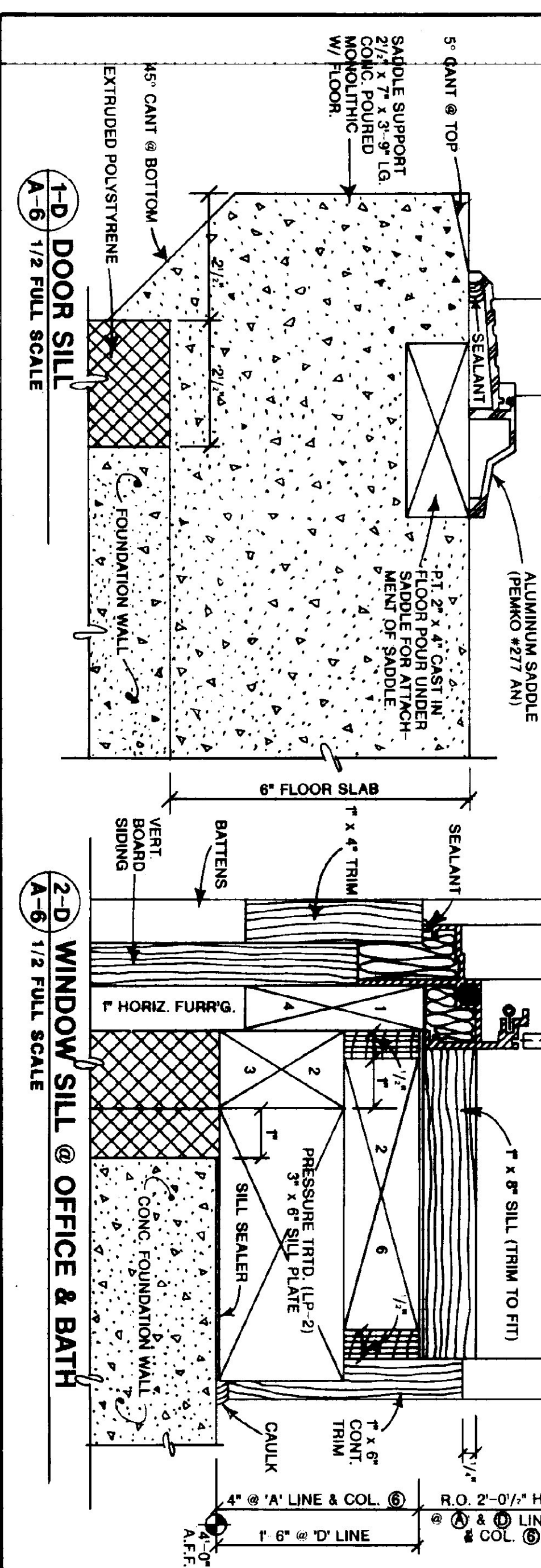
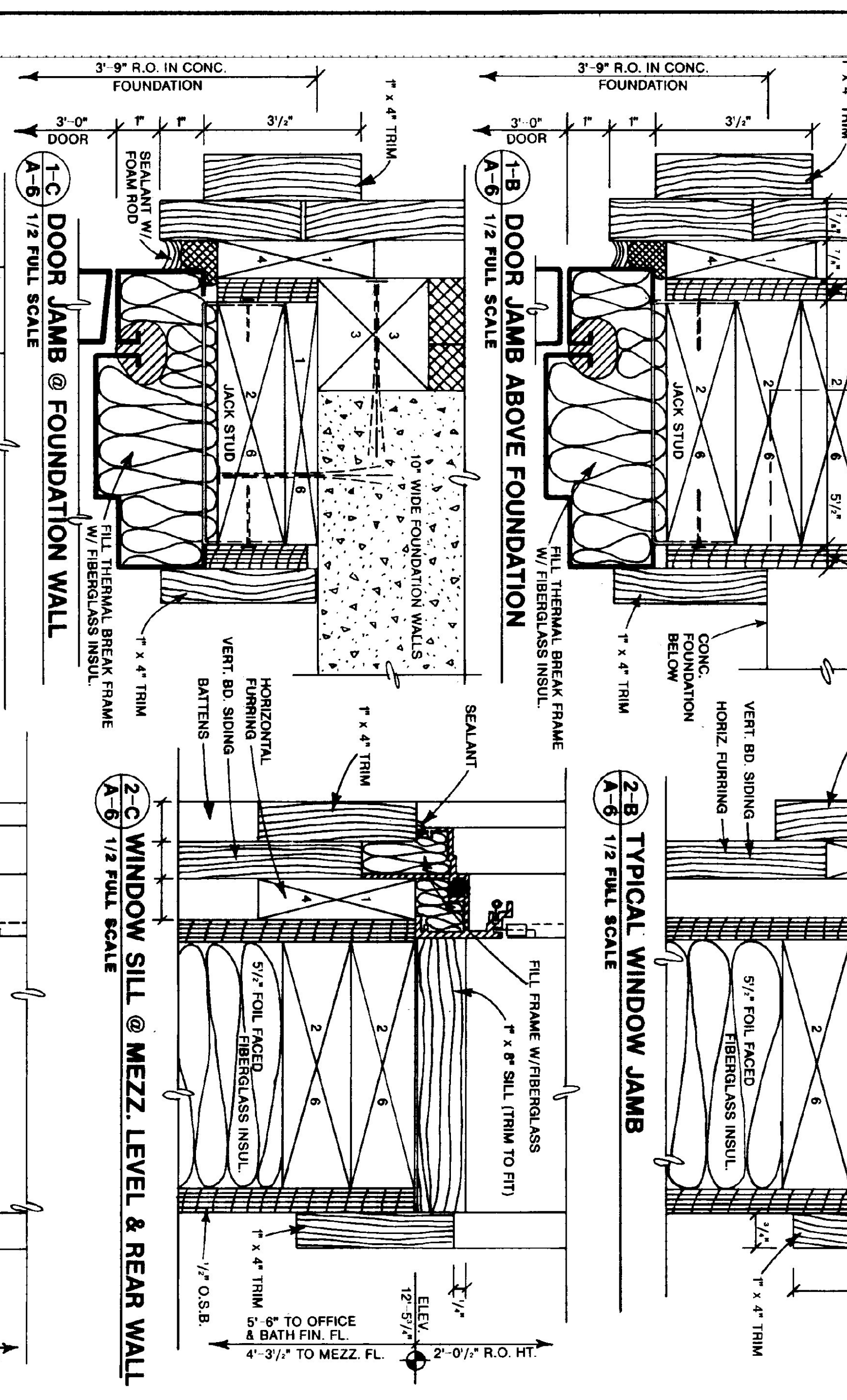
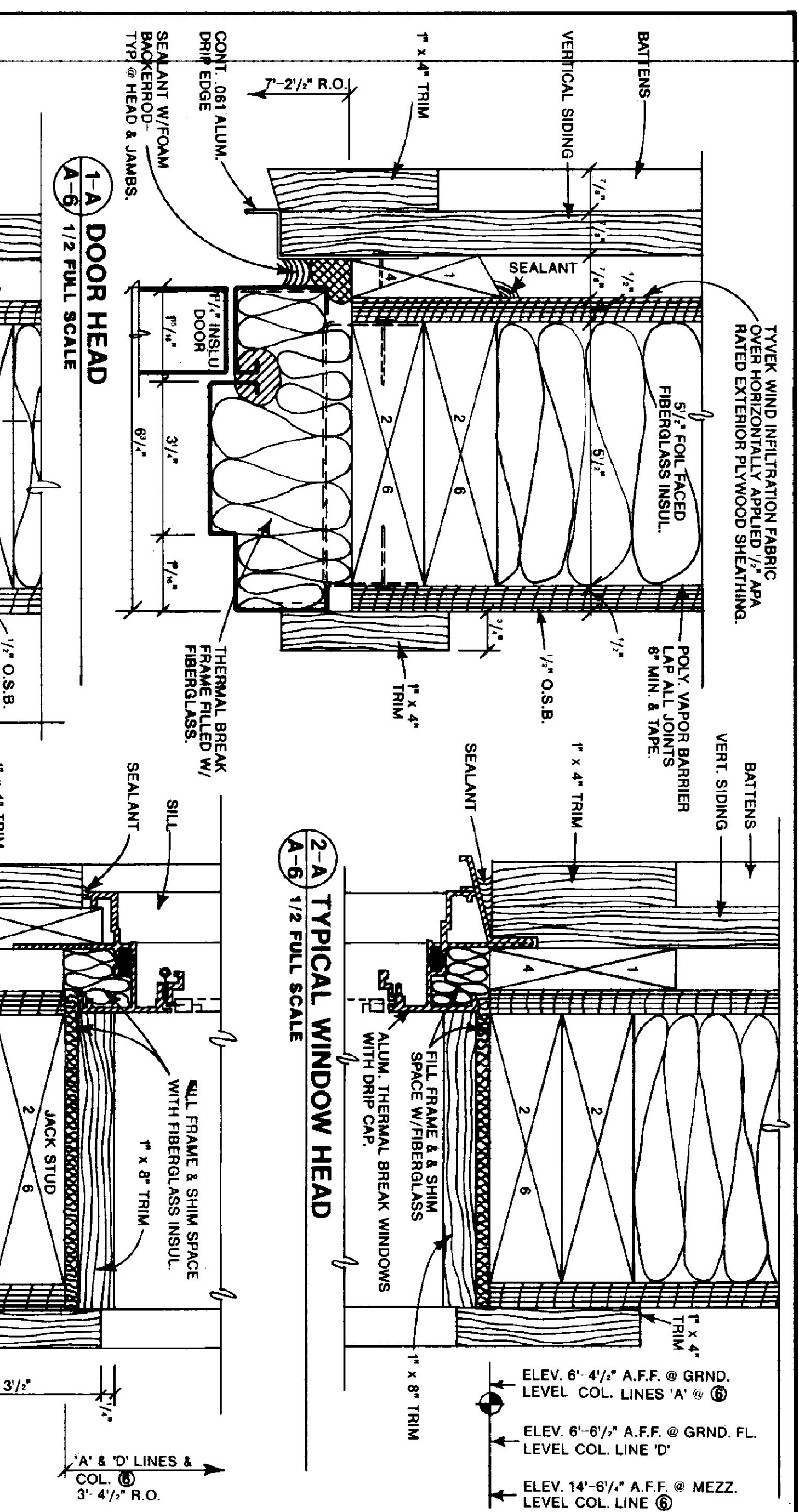
NO.	QUANTITY	TYPE	FRAME MATERIAL	ROUGH OPENING	REMARKS
9	AWNING	METAL	3'-4 1/2" W. 2'-0 1/2" H.	ACORN BLDG. COMPONENTS 4300 SERIES-3420 C	

STATE OF VERMONT  
DEPARTMENT OF STATE BUILDINGS  
AGENCY OF ADMINISTRATION  
MONTPELIER, VERMONT

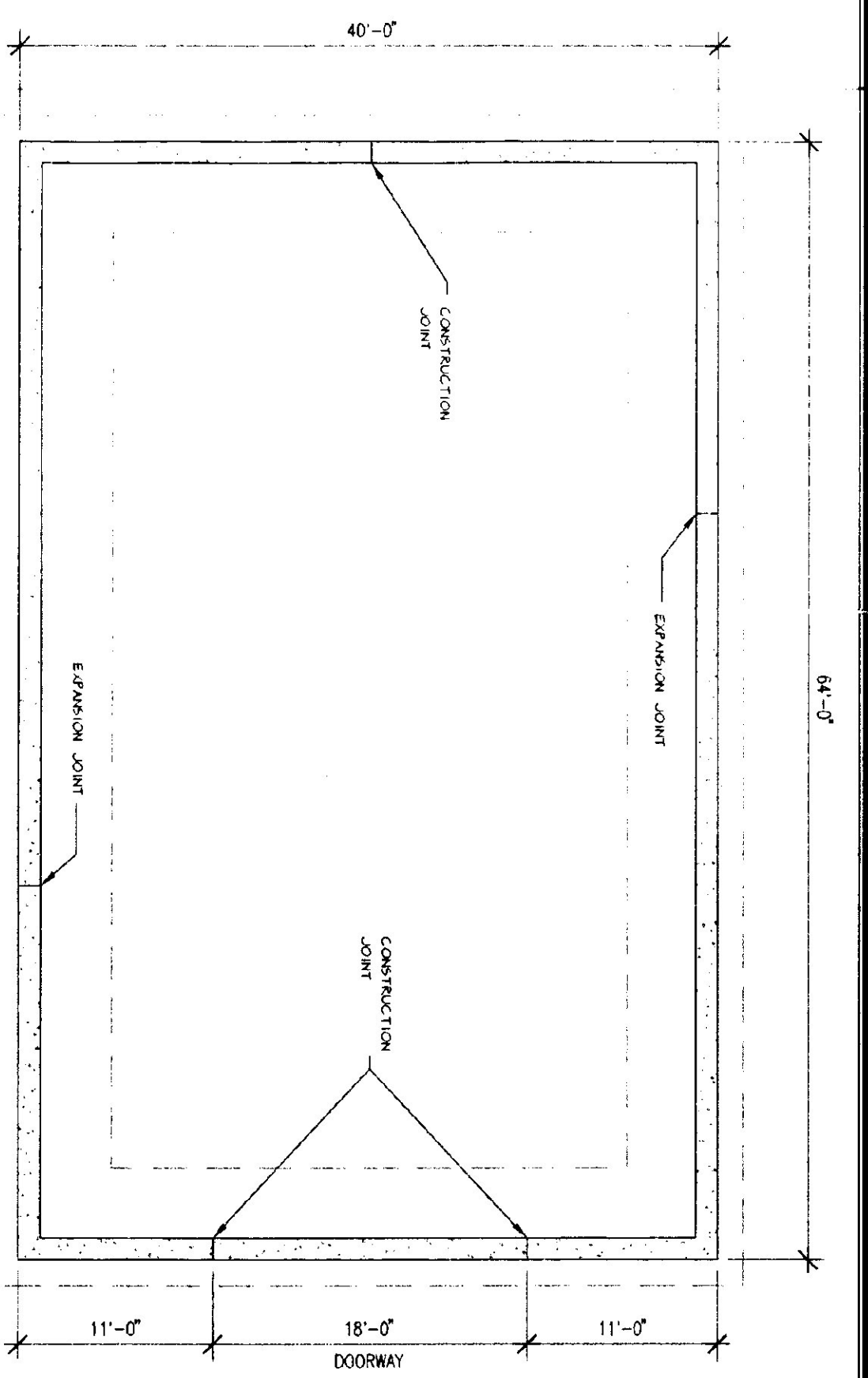
VERMONT AGENCY OF TRANSPORTATION  
WALL SECTIONS, ROOF PLAN AND  
DOOR & WINDOW SCHEDULES  
4 BAY MAINTENANCE GARAGE  
BRANDON, VERMONT

DATE: JUNE 1997  
SCALE: AS NOTED  
DRAWN BY: A. FOULIN  
APPROVED BY: [Signature]

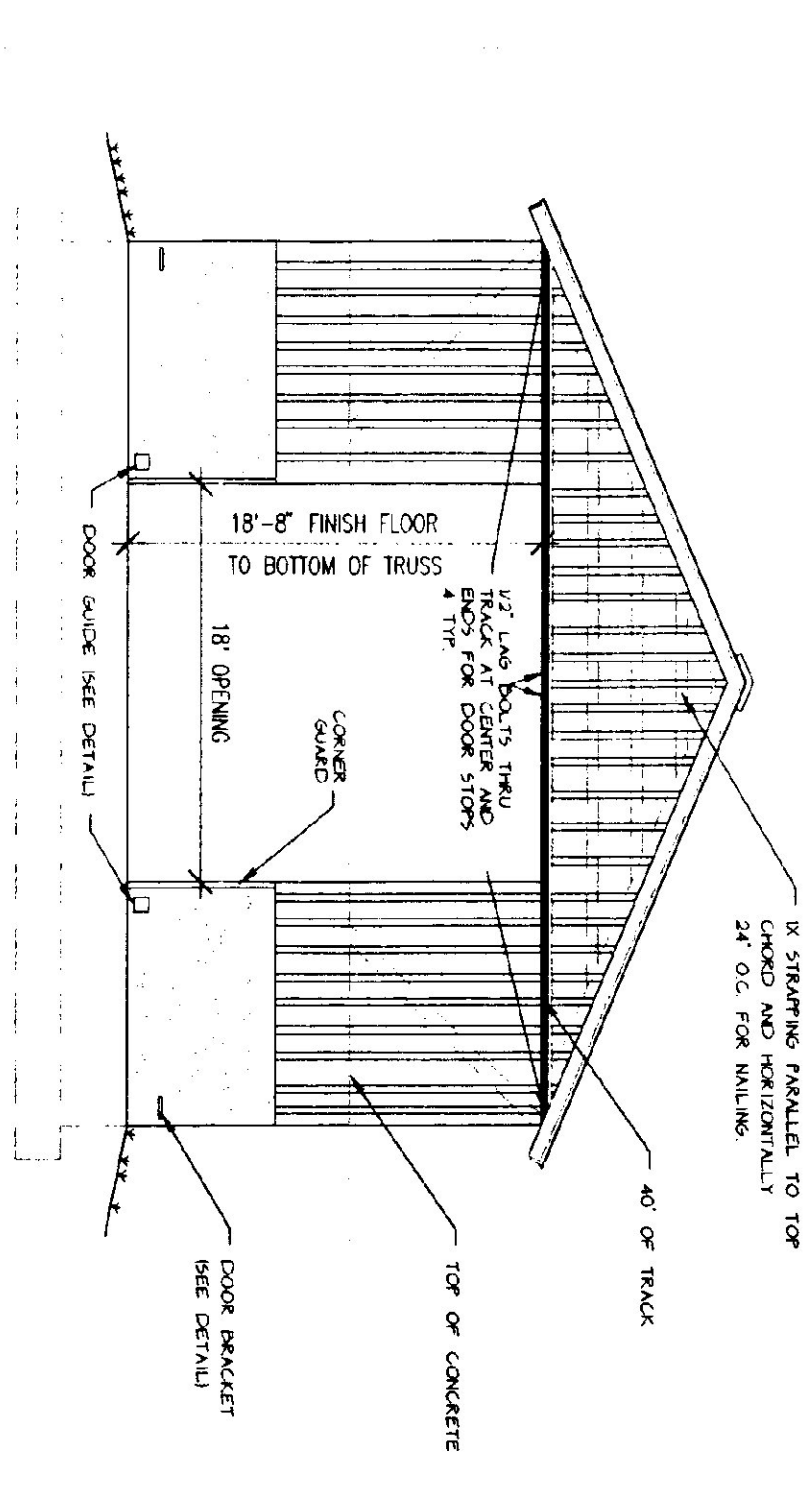
DWG. NO. A-5  
13 OF 23



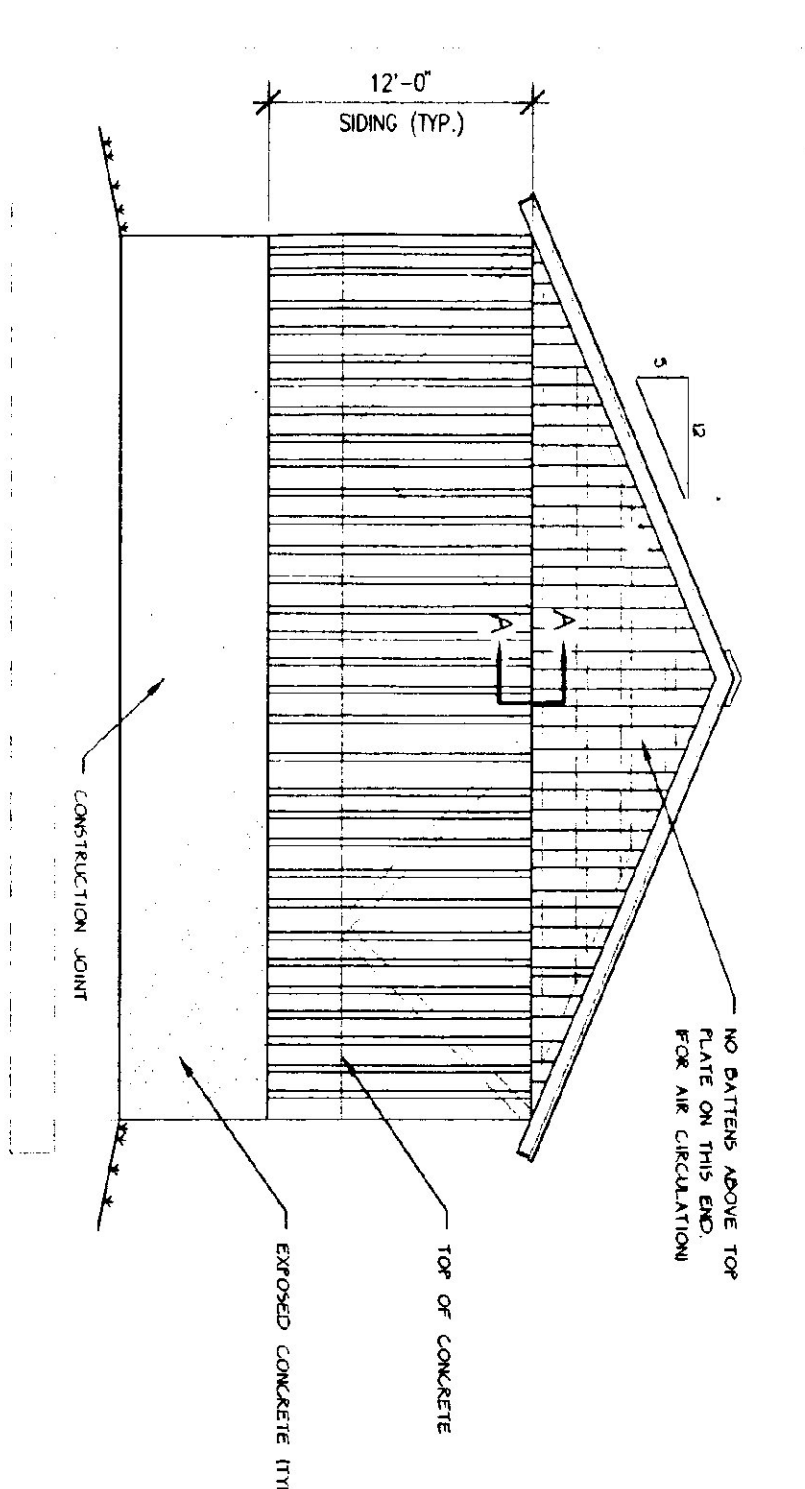
**VERMONT AGENCY OF TRANSPORTATION**  
 DEPARTMENT OF STATE BUILDINGS  
 AGENCY OF ADMINISTRATION  
 MONTPELIER, VERMONT  
**4 BAY MAINTENANCE GARAGE**  
**DOOR, WINDOW & STAIR DETAILS**  
 VERMONT  
 DATE: JUNE 1997  
 SCALE: AS NOTED  
 DRAWN BY: A. POLAK  
 APPROVED BY: [Signature]  
 REVISIONS:  
 DWG. NO. A-6  
 14 OF 23



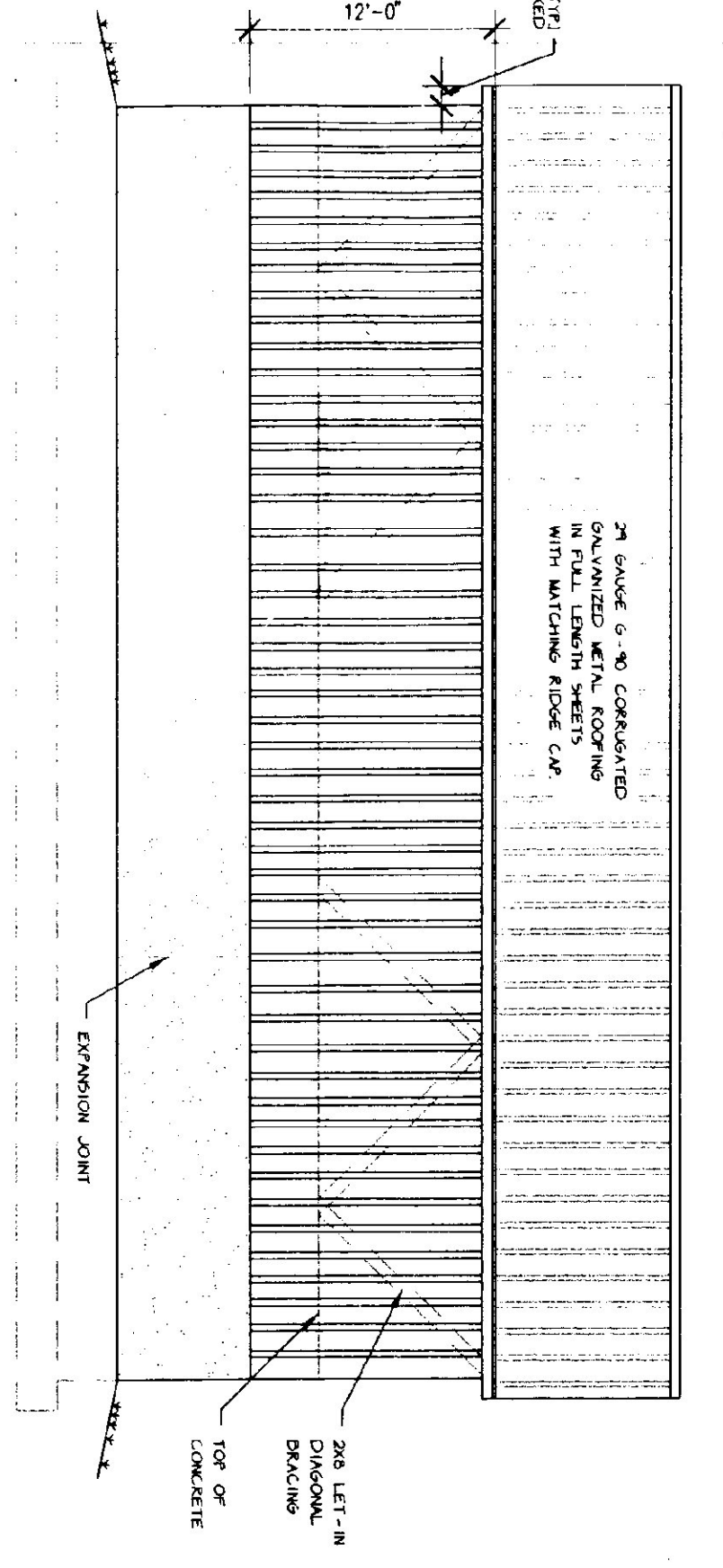
**FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"



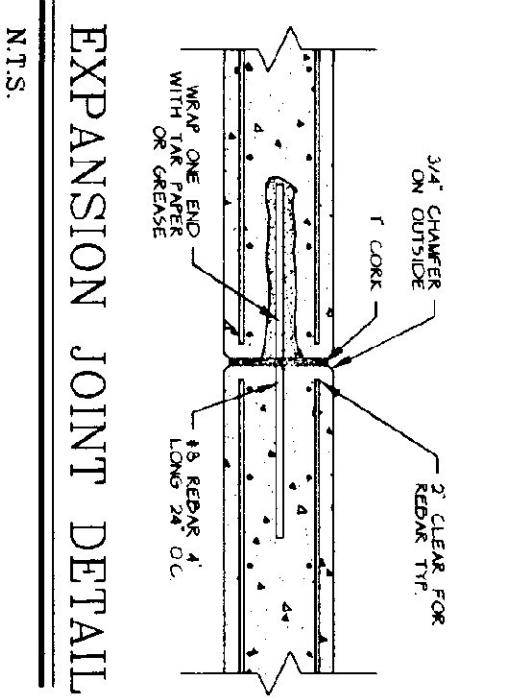
**FRONT ELEVATION**  
SCALE: 1/8" = 1'-0"



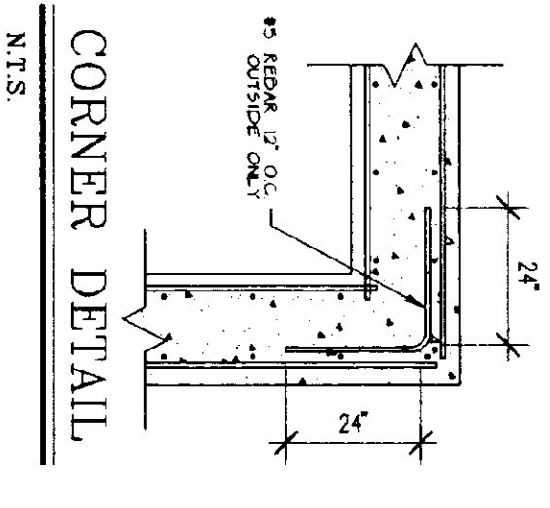
**BACK ELEVATION**  
SCALE: 1/8" = 1'-0"



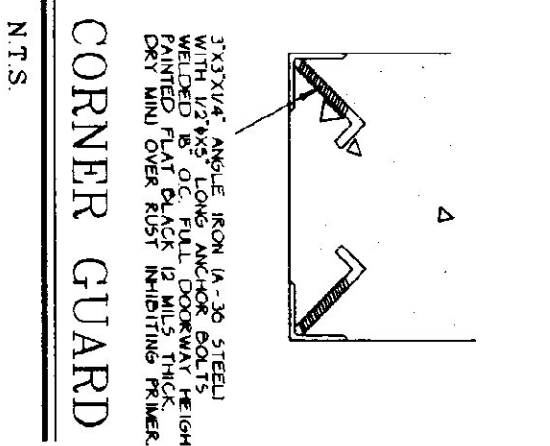
**SIDE ELEVATION**  
SCALE: 1/8" = 1'-0"



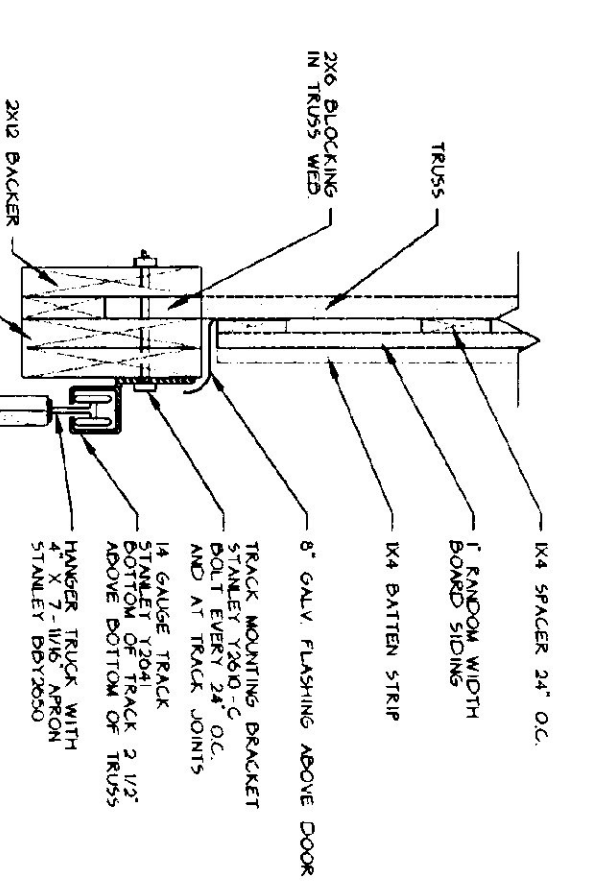
**EXPANSION JOINT DETAIL**  
N.T.S.



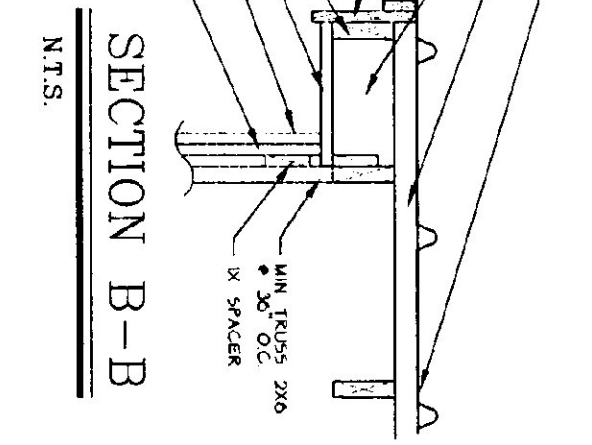
**CORNER DETAIL**  
N.T.S.



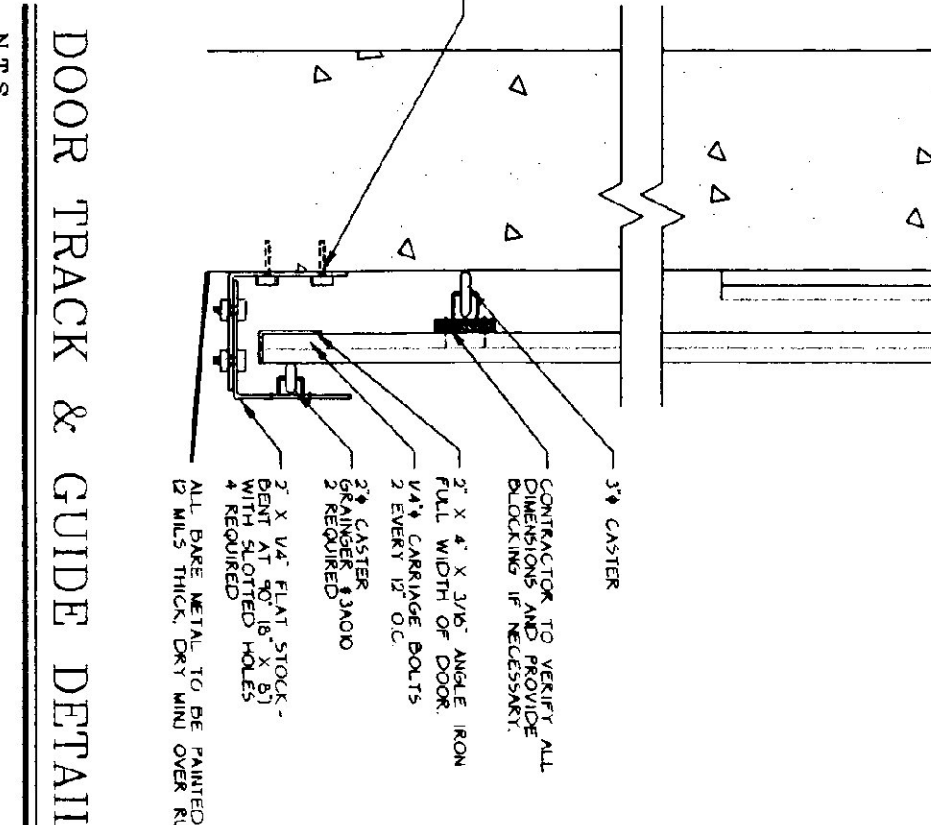
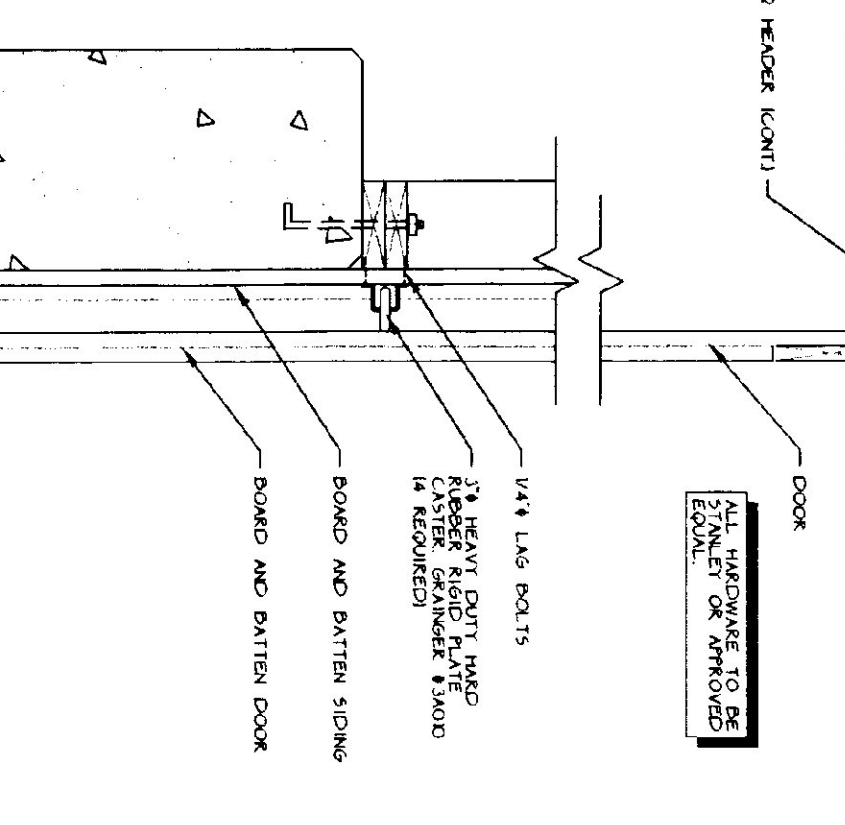
**CORNER GUARD**  
N.T.S.



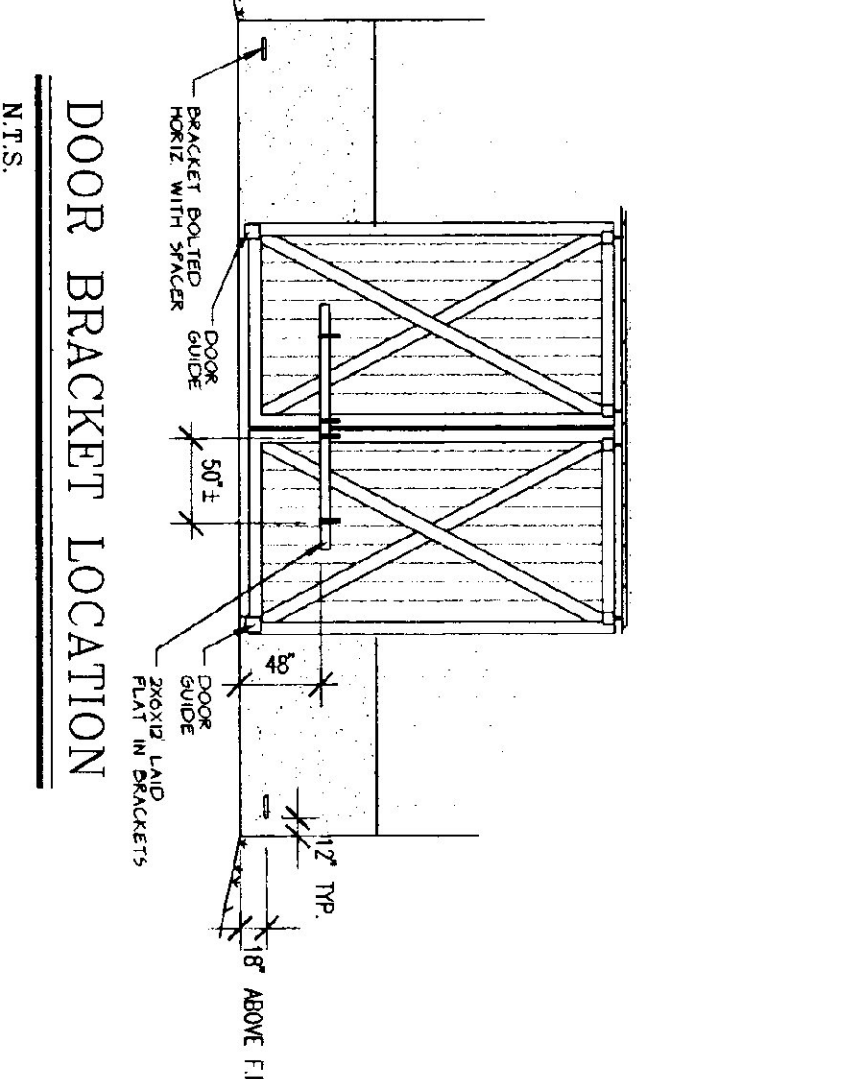
**SECTION A-A**  
N.T.S.



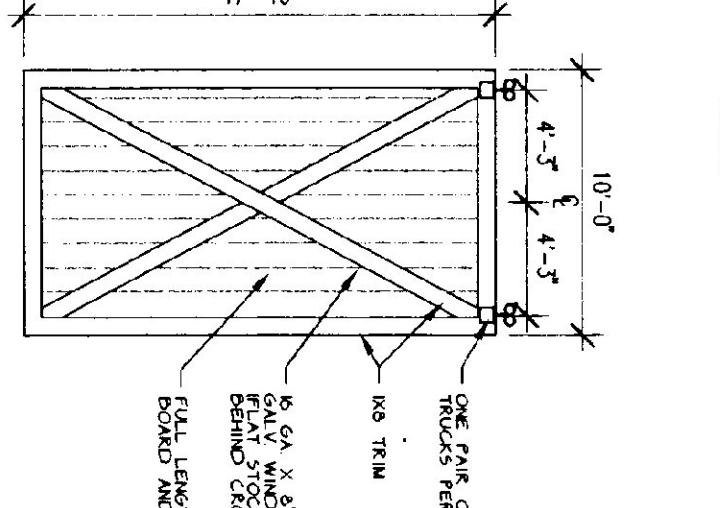
**SECTION B-B**  
N.T.S.



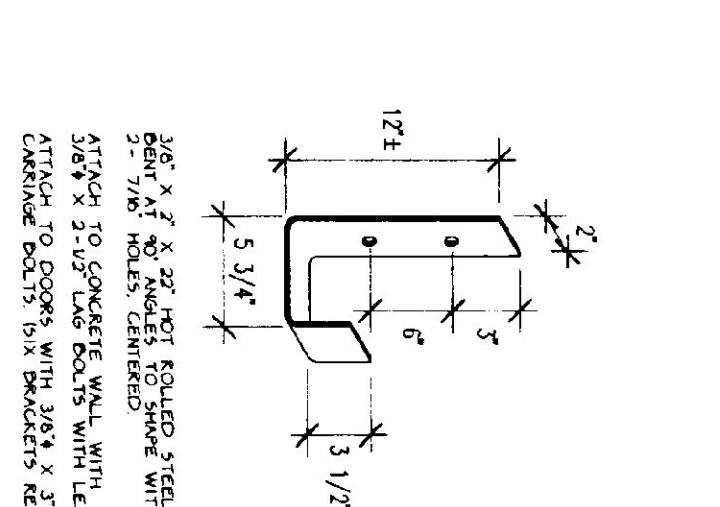
**DOOR TRACK & GUIDE DETAIL**  
N.T.S.



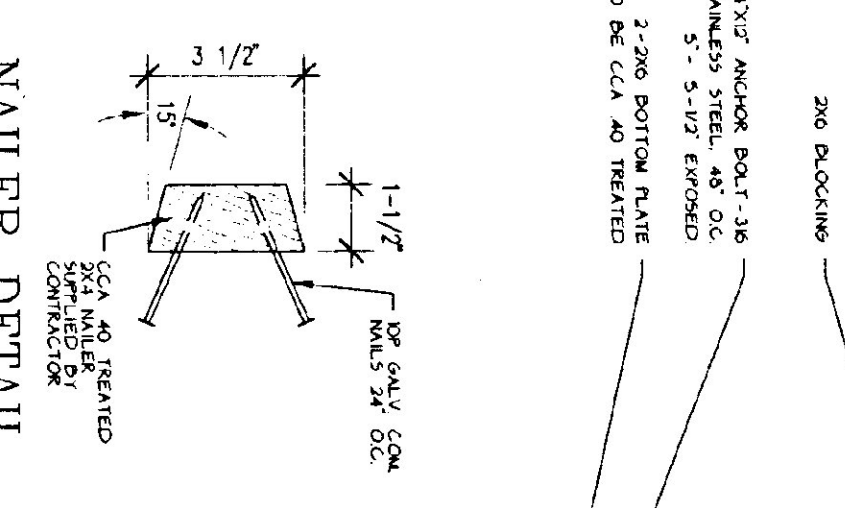
**DOOR BRACKET LOCATION**  
N.T.S.



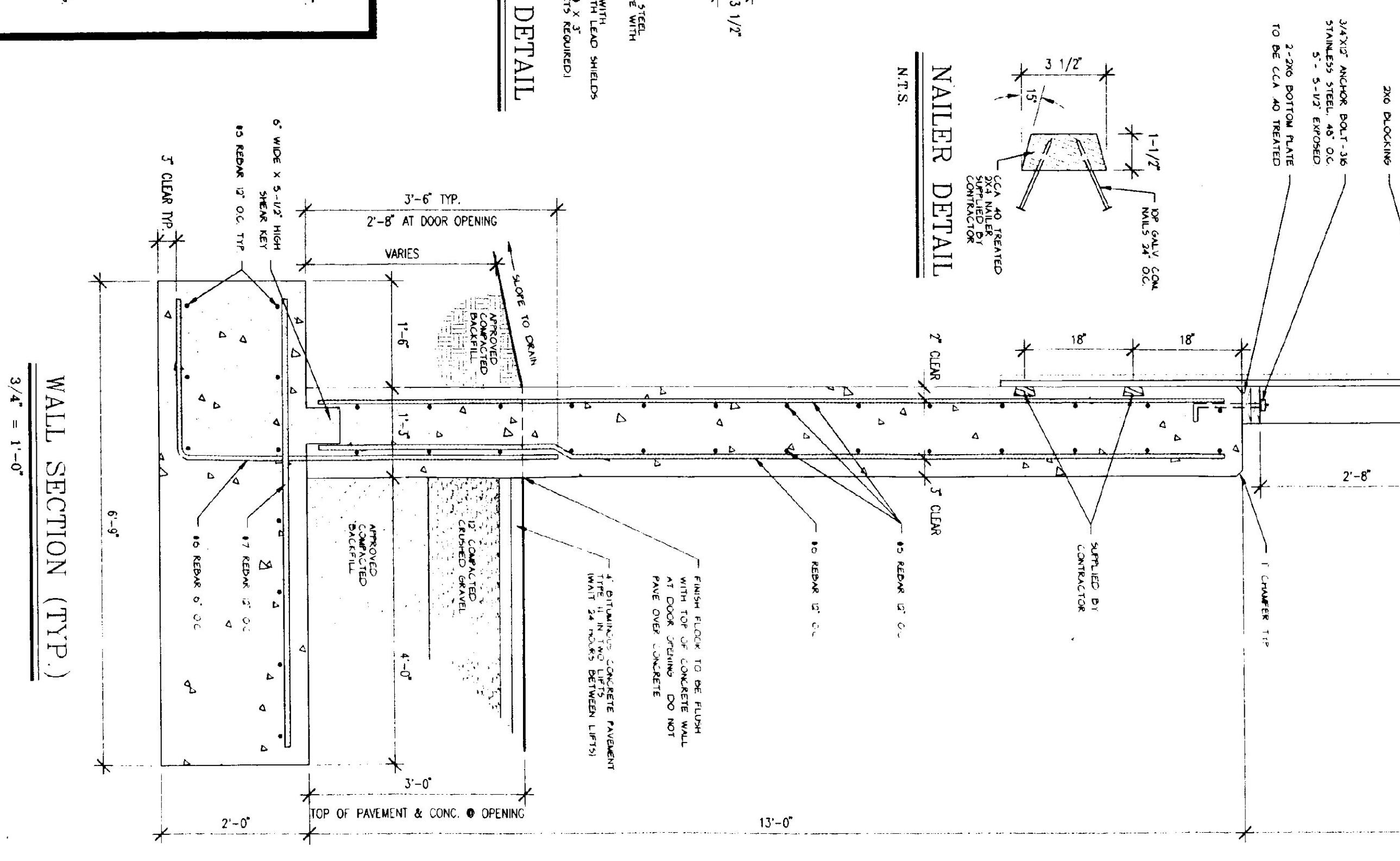
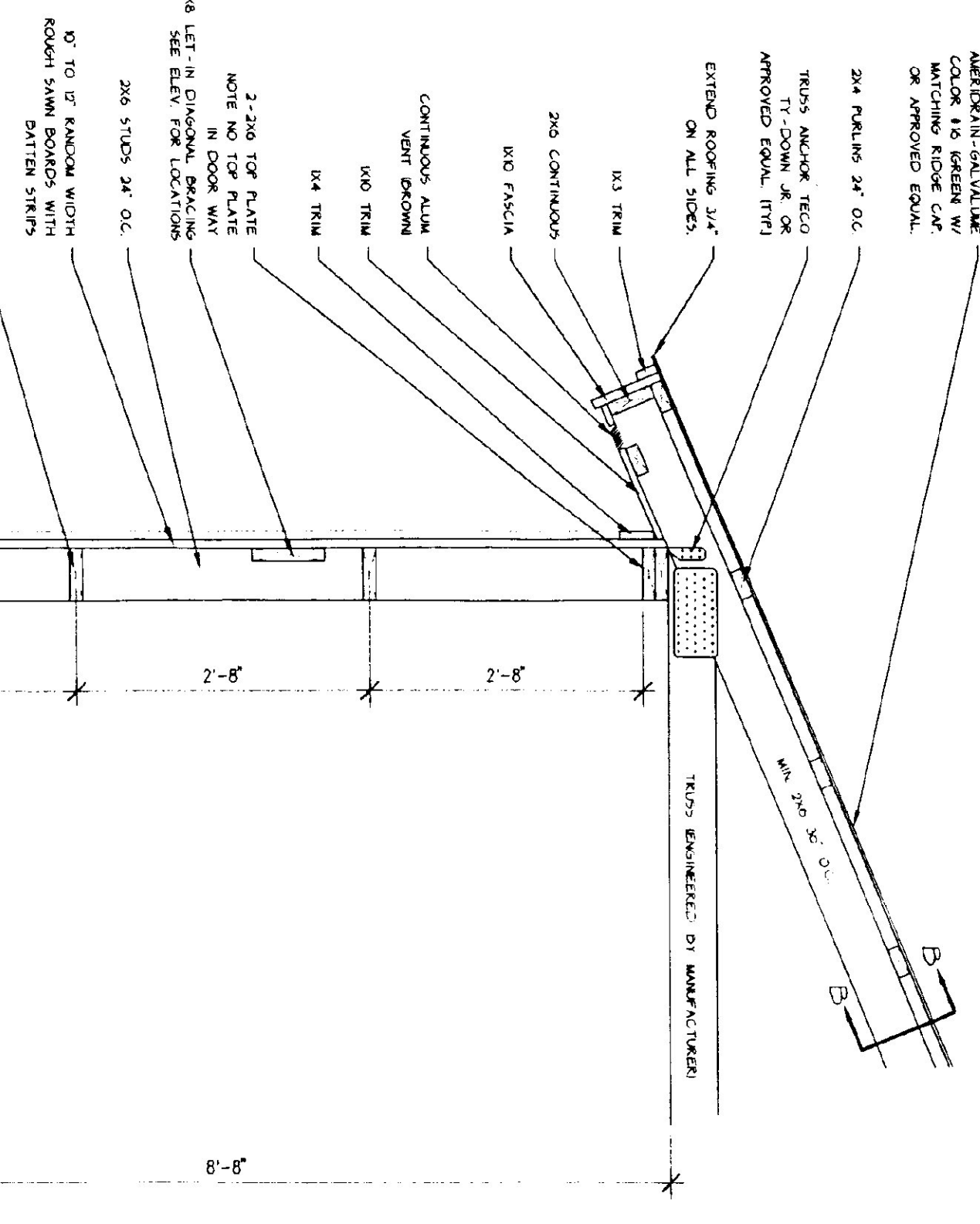
**EXT DOOR DETAIL**  
N.T.S.



**DOOR BRACKET DETAIL**  
N.T.S.



**NAILER DETAIL**  
N.T.S.



**WALL SECTION (TYP.)**  
SCALE: 3/4\"/>

**GENERAL NOTES:**  
ALL MATERIALS TO BE FINISHED BY CONTRACTOR.  
ALL EXPOSED METAL (CORNER ANGLES, DOOR GUIDES, BRACKETS, ETC.) SHALL BE PAINTED FLAT BLACK (2 MILS THICK, DRY, AND OVER ROOF FINISHING PRIMER).

**TRUSS NOTES:**  
TRUSS MANUFACTURER TO PROVIDE THE DETAIL OF STATE BUILDING ENGINEER AND SEAL. TRUSS MANUFACTURER TO PROVIDE THE CONNECTIONS WITH ALL THE NECESSARY TRUSS MANUFACTURER TO PROVIDE TRUSS INSTALLATION AND/OR BRACING, LIFTING, ETC. TRUSS DESIGN IN ACCORDANCE WITH THE 1997 IBC/AIA FOR VERMONT MINIMUM LOADS:  
LIVE - 20 PSF - PER PERMANENT FIRE PROTECTION CODE  
DEAD - 5 PSF ON BOTTOM CHORD  
WIND - 20 PSF  
DIAGONAL BRACING PER TRUSS MANUFACTURER AND PER MINIMUM TRUSS BRACING DETAIL IN SPECIFICATIONS.

**CONCRETE NOTES:**  
ALL CONCRETE TO BE 3000 PSI @ 28 DAYS WITH A MINIMUM SLUMP OF 4\"/>

• 1/2\"/>

• L IRON CAST INTO WALL CORNERS AT DOOR OPENINGS.

• NO HORIZONTAL CONSTRUCTION JOINTS IN WALLS - CONTINUOUS POUR.

• CONTRACTOR TO LEAVE NO METAL REINFORCING OR SURFACE MARKS WITHIN APPROVED NON-SHINKING GROUT.

• ALL RE-PAVE TO BE GRADE 60.

• CONCRETE SUPPLIER TO PROVIDE TEST CHIPS FOR CONCRETE TESTING.

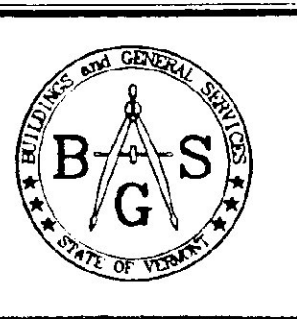
• EXPOSED WALLS TO BE DRESS FINISHED PER AOTI SPECIFICATIONS.

SCALE: AS NOTED	REVISIONS
DATE: JUNE 1997	
DRAWN BY: G.D. NORWOOD	
APPR BY: //	

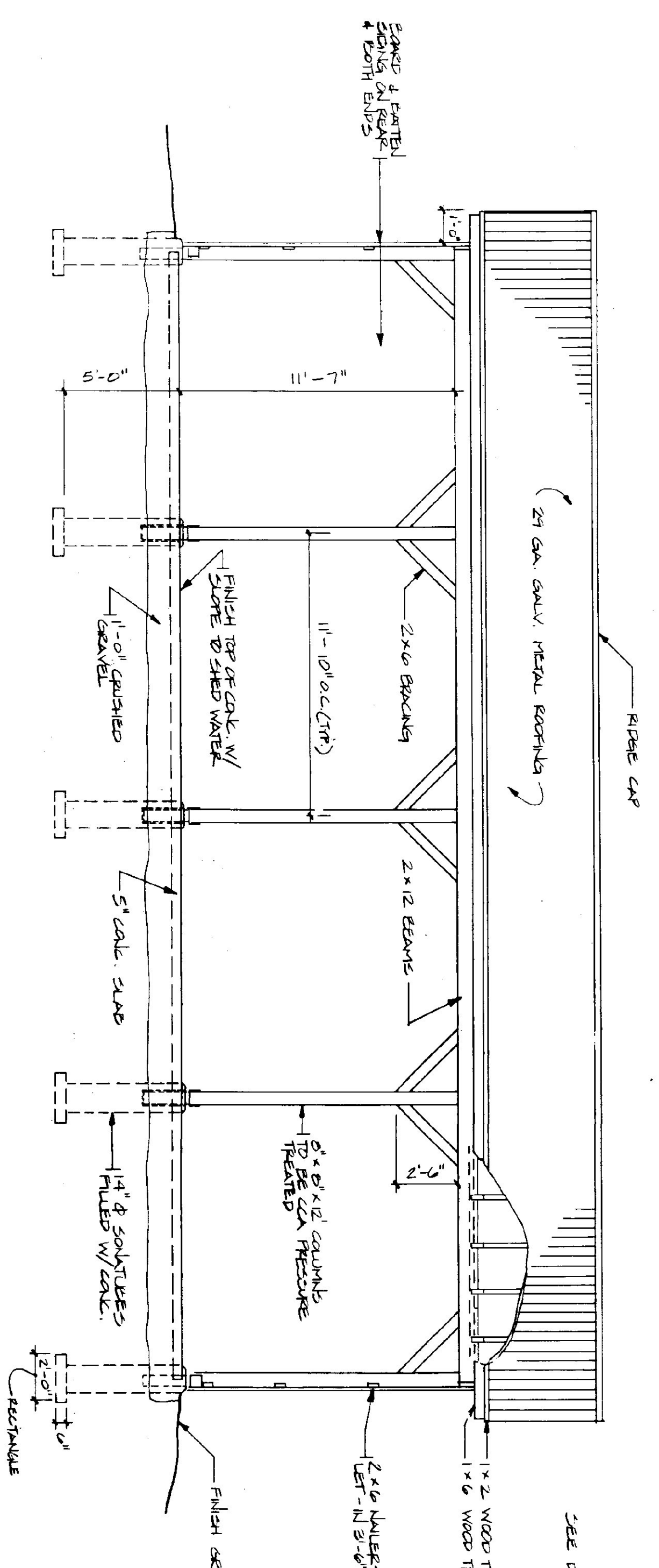
AGENCY OF TRANSPORTATION  
4-BAY MAINTENANCE GARAGE  
40' X 64' SALT/SAND SHED  
BRANDON VERMONT



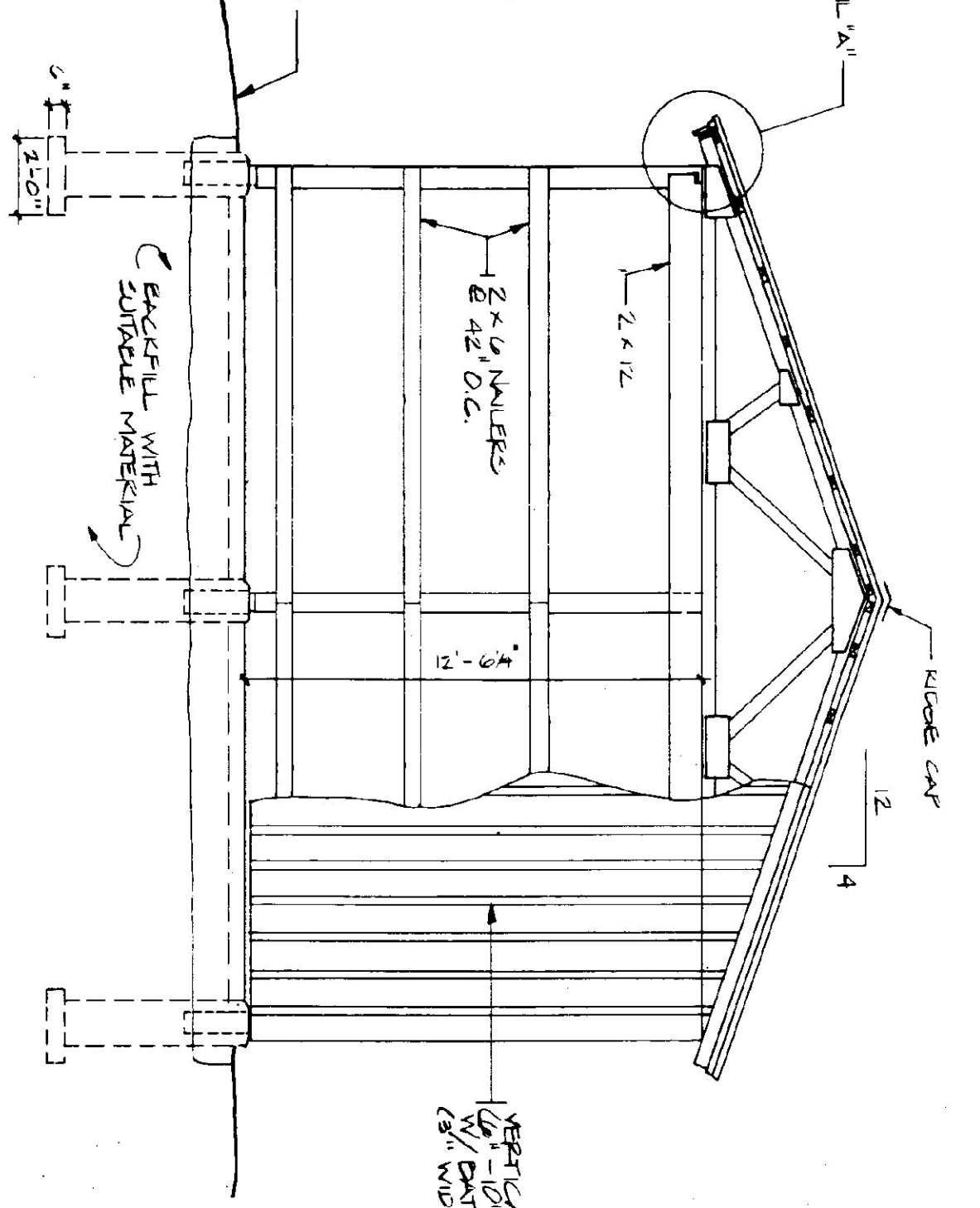
STATE OF VERMONT  
Department of Buildings  
and General Services  
Agency of Administration  
Montpelier, Vermont



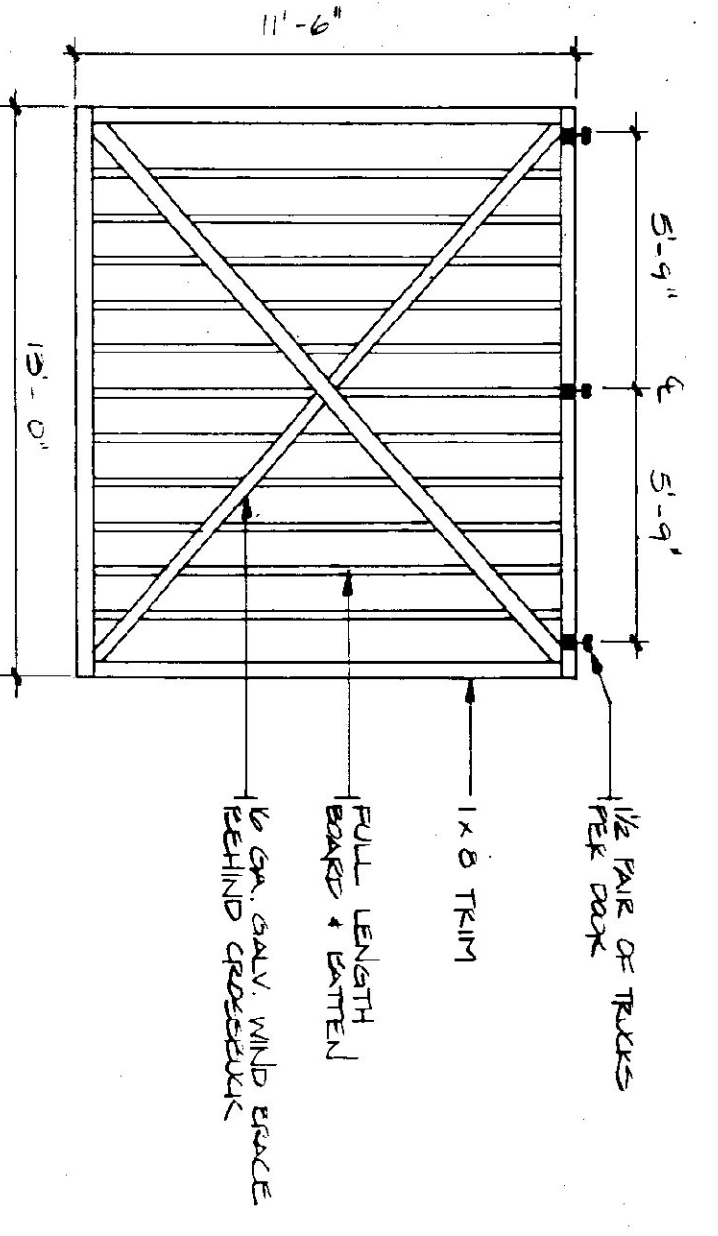
4-BAY GARAGE  
40' X 64'  
SALT/SAND SHE  
A-7  
15 OF 23



**FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"

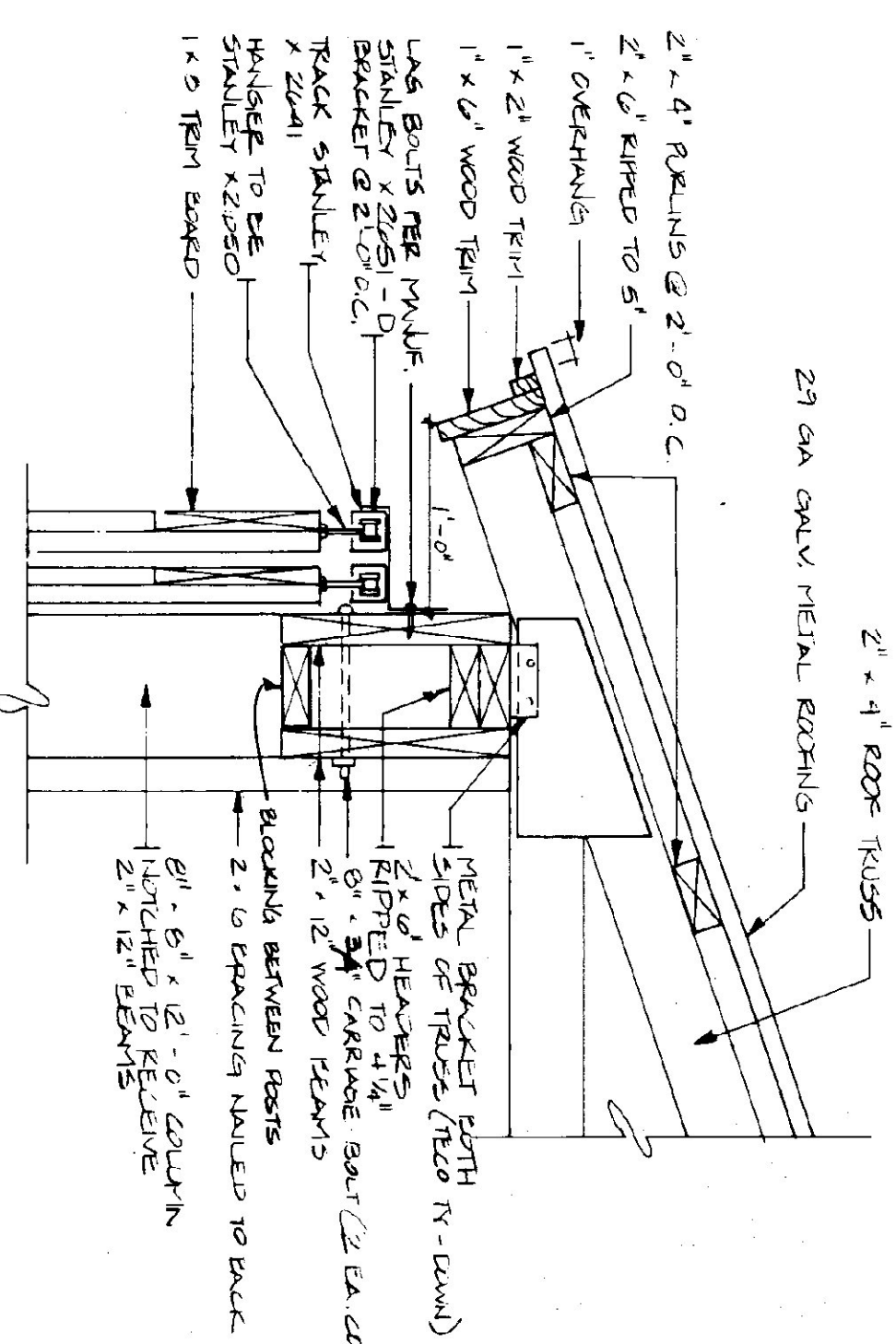


**END ELEVATION**  
SCALE: 1/4" = 1'-0"

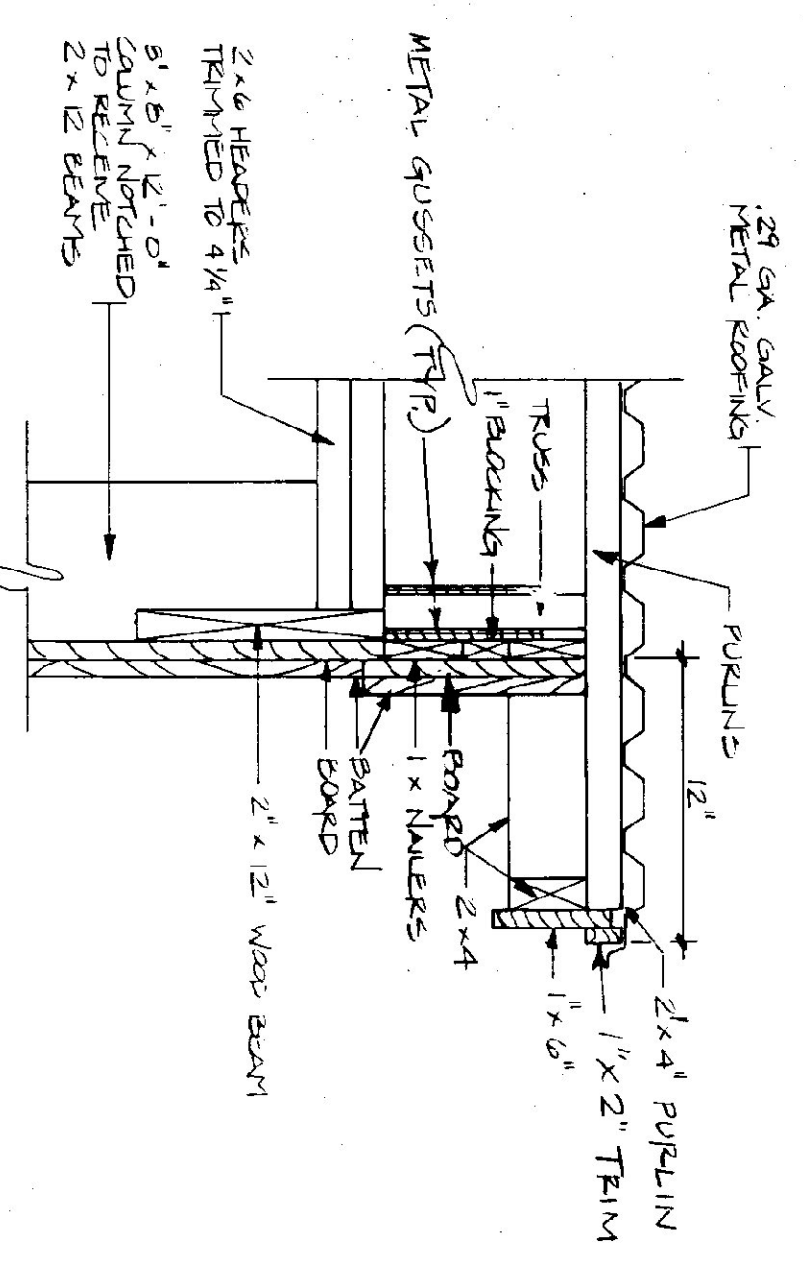


**DOOR DETAIL**  
N.T.S. (TYPICAL OF 4)

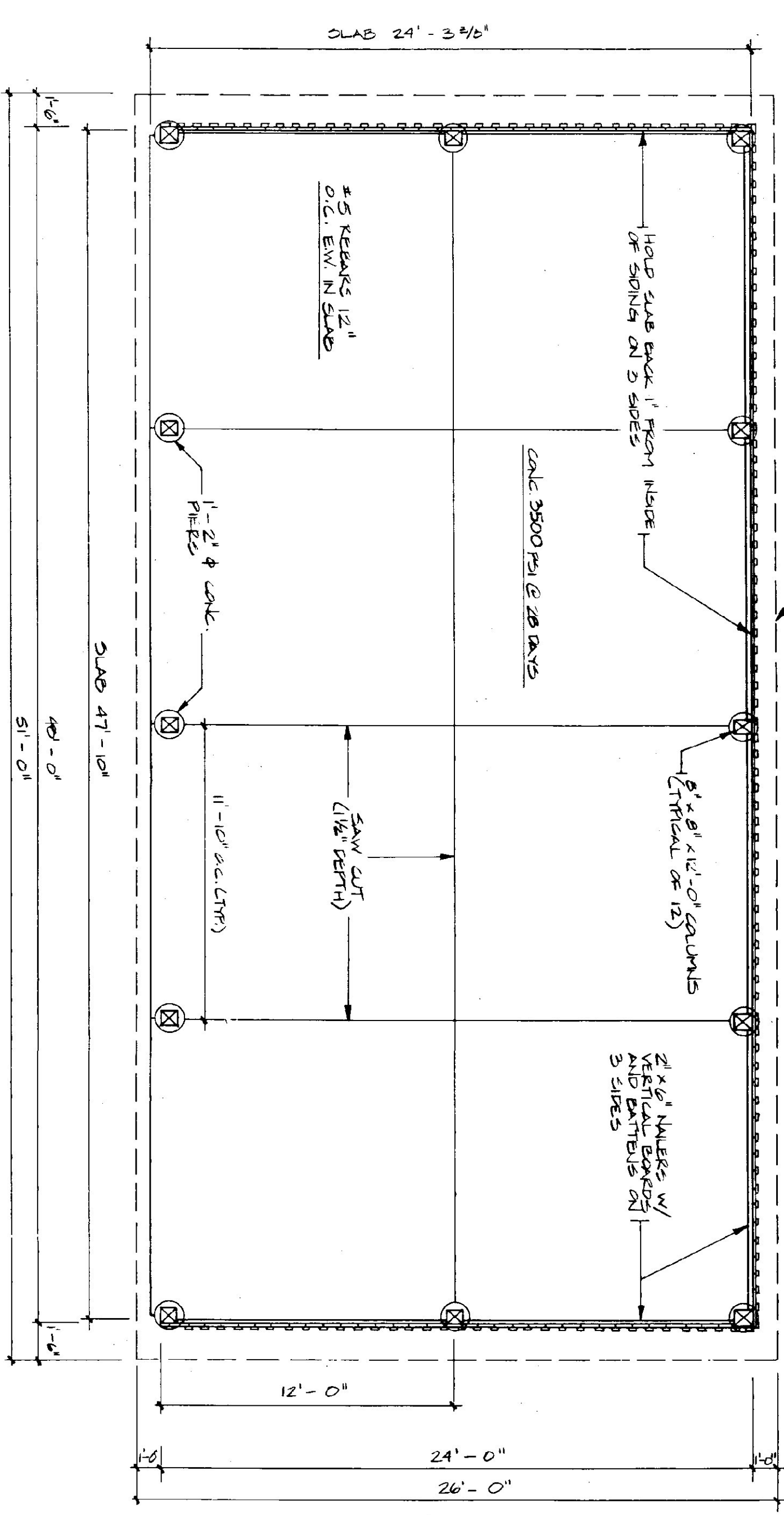
- TRUSS NOTES:**
- 1) TRUSS MANUFACTURER TO PROVIDE THE DEPT. OF STATE BUILDINGS BRANDED AND STAMPED DRAWINGS FOR APPROVAL PRIOR TO TRUSS MANUFACTURING.
  - 2) TRUSS MANUFACTURER TO PROVIDE THE CONTRACTOR WITH ALL NECESSARY INSTRUCTIONS FOR TRUSS INSTALLATION, INCLUDING BRACING, LIFTING, ETC.
  - 3) TRUSS DESIGN LONGER IN ACCORDANCE WITH THE 1997 B.O.C.A. MINIMUM LOADS:
- LIVE — PER 1997 B.O.C.A. SJK-VT (60 P.S.F. MIN.)  
 DEAD — AS CALCULATED FROM TRUSSES + ROOF MATERIALS  
 WIND — 25 P.S.F.  
 DIAGONAL WIND BRACING PER TRUSS MANUF.



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

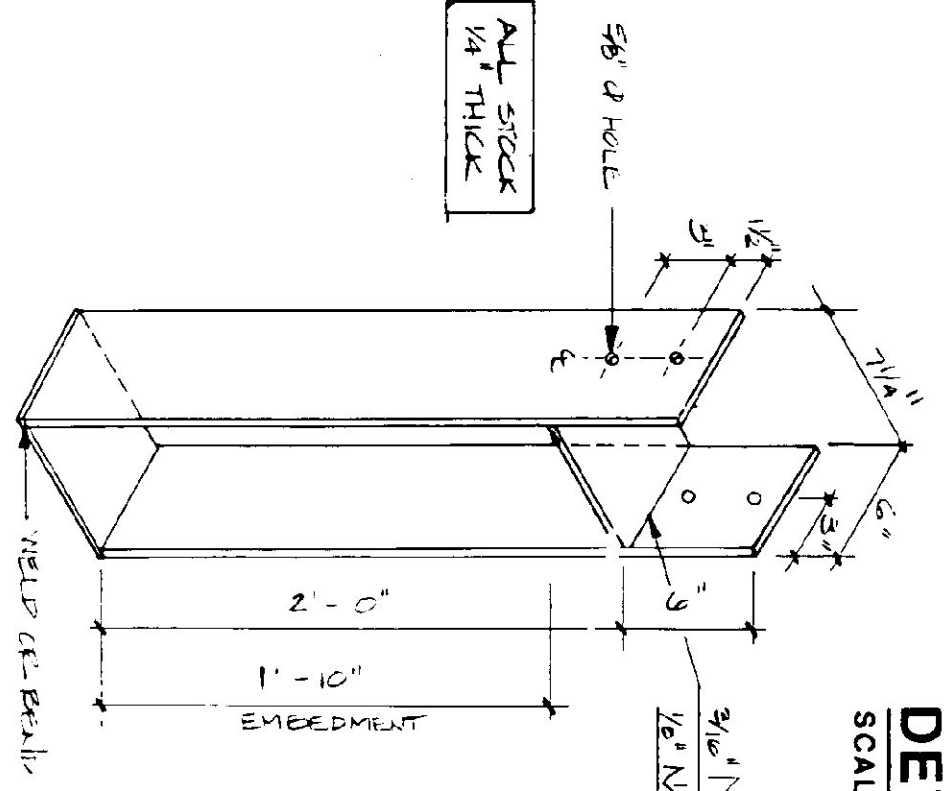


**RAKE DETAIL**  
SCALE: 1 1/2" = 1'-0"



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

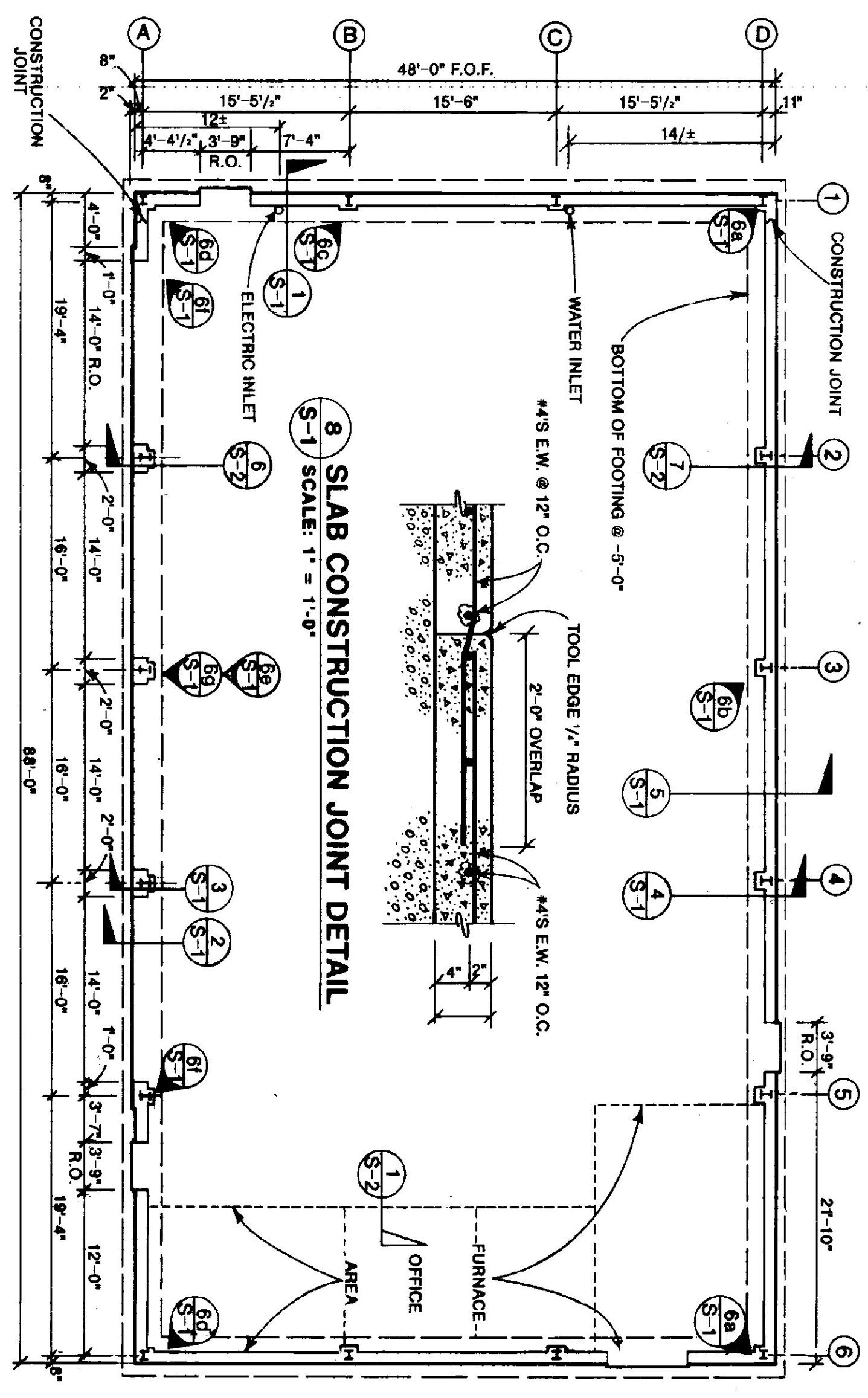
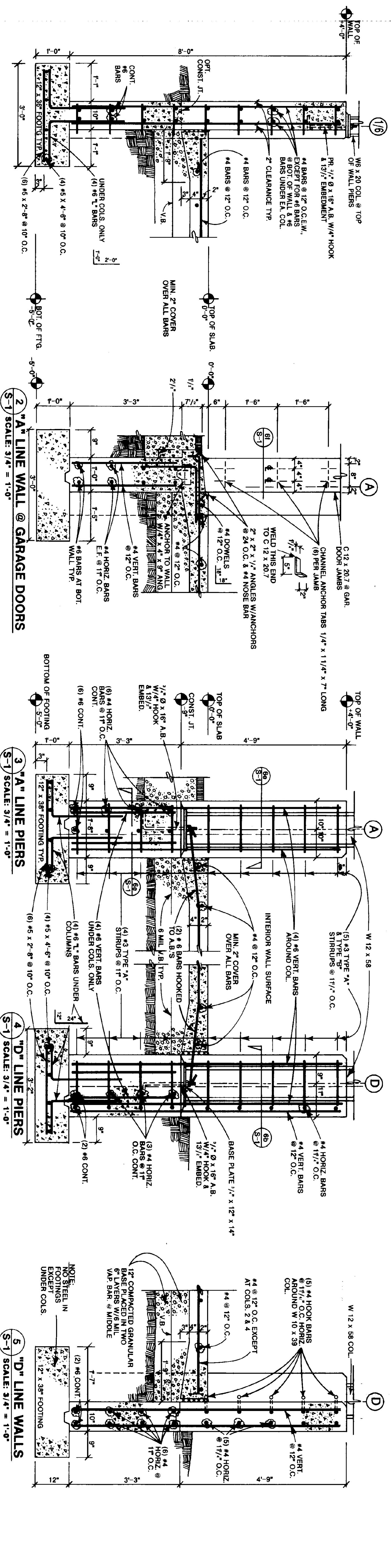
**NOTE:**  
USE #5 REBAR @ 1'-0" O.C. EACH WAY WITH 2" COVER.



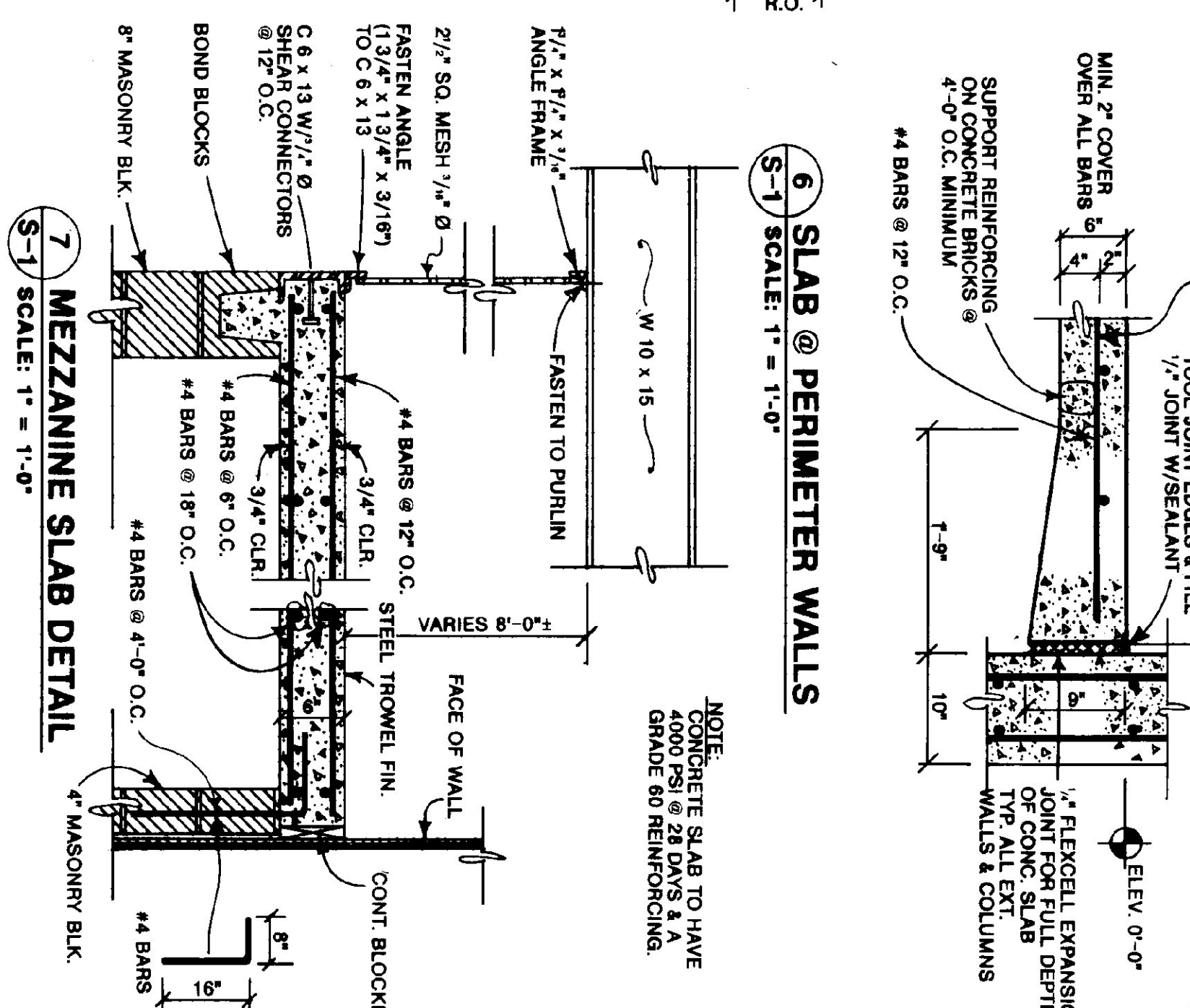
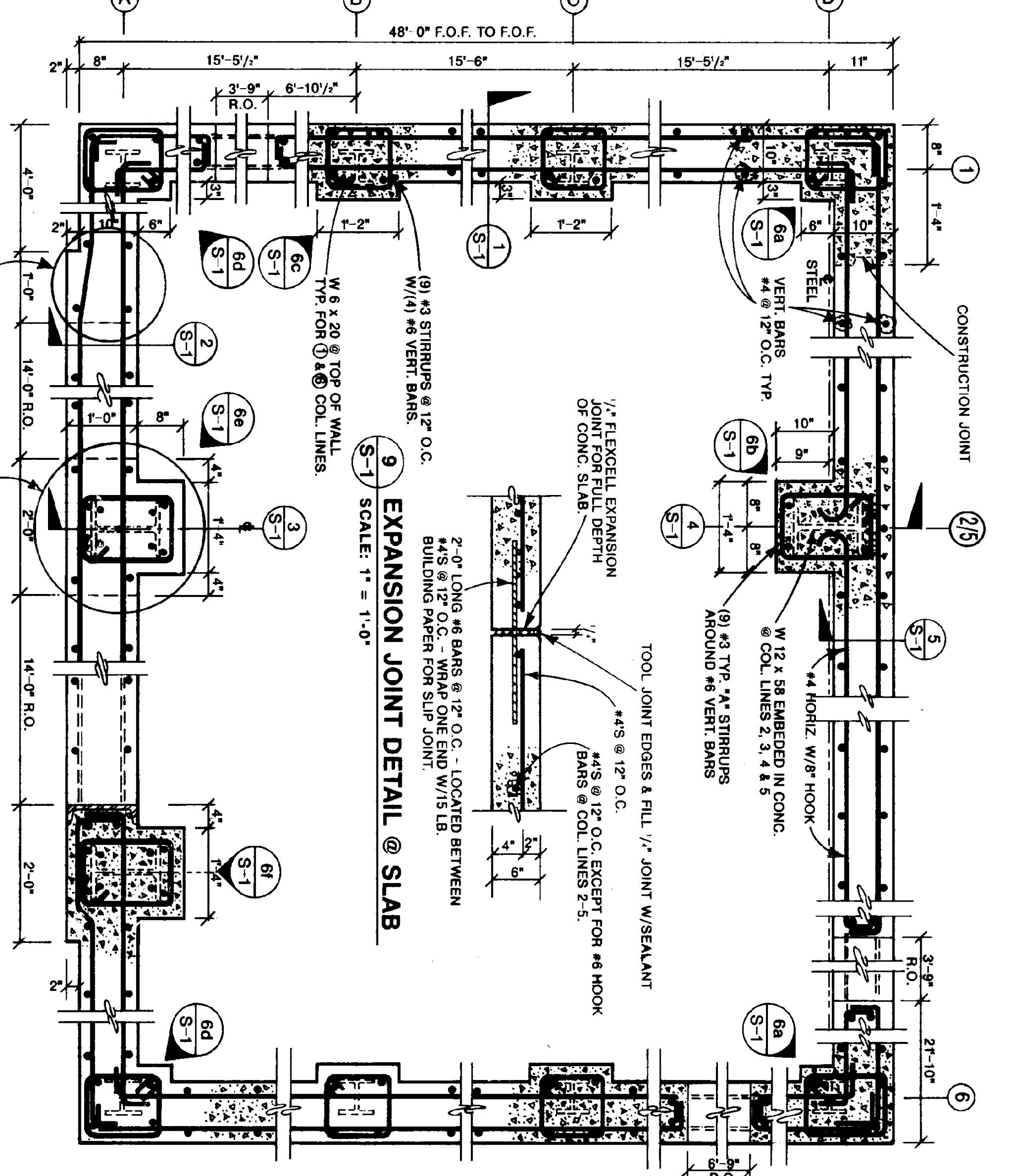
**COLUMN BASE ANCHOR**  
SCALE: 1 1/2" = 1'-0"

- LUMBER NOTES:**
- 1) FRAMING MEMBERS TO BE KILN DRIED CONSTRUCTION GRADE SHOUDE SHS 19% MOISTURE.
  - 2) PLATES & NAILERS IN CONTACT WITH CONCRETE TO BE CCA TREATED.
  - 3) BATTEN & BATTEN SOLDS TO BE IDENTIFIED BY MANUFACTURER TO BE EXPOSED TO WEATHER WITH A MINIMUM WIDTH OF 1 1/2" BATTEN WIDTH 3".
  - 4) BORED DRILLING & BATTEN STRIPS TO BE FULL LENGTH WITH NO TRANSVERSE JOINTS.
  - 5) ALL NAILS TO BE GALVANIZED.
- FINISH NOTES:**
- 1) ALL BOARDS & BATTENS TO BE STAINED WITH ONE COAT OF STAIN.
  - 2) AFTER INSTALLATION, EXTERIOR SURF. TO RECEIVE ONE ADDITIONAL COAT OF STAIN.
  - 3) STAIN TO BE OLYMPIC OIL BASE SEMI-PERMANENT OXIDANT STAIN # 715.

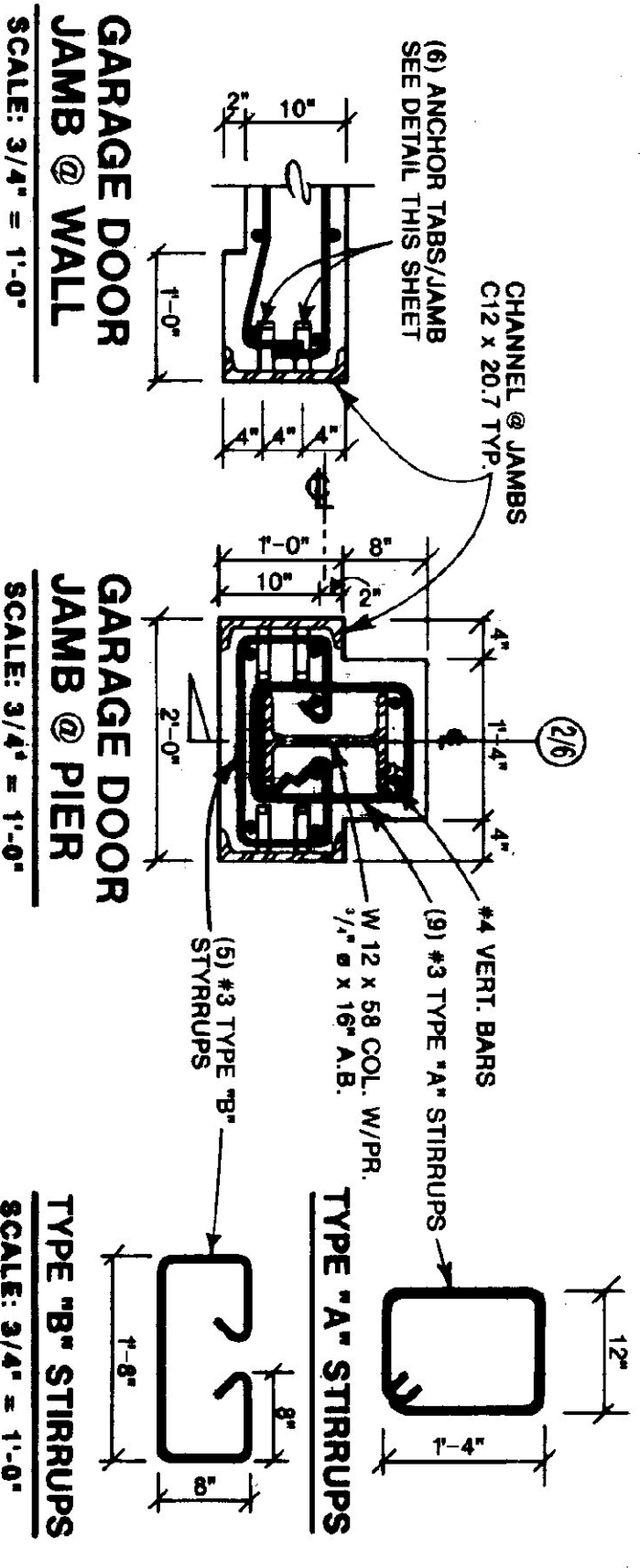
STATE OF VERMONT		DEPARTMENT OF STATE BUILDINGS	
AGENCY OF TRANSPORTATION		AGENCY OF ADMINISTRATION	
24' X 48' STORAGE SHED		MONTPELIER, VERMONT	
BRANDON MAINTENANCE FACILITY			
BRANDON	SCALE	REVISIONS:	DATE
	JUNE 1997	AS NOTED	A-8
DRAWN BY	APPROVED BY	DWG. NO.	16
B. McAVOY			23



**FOOTING & FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"

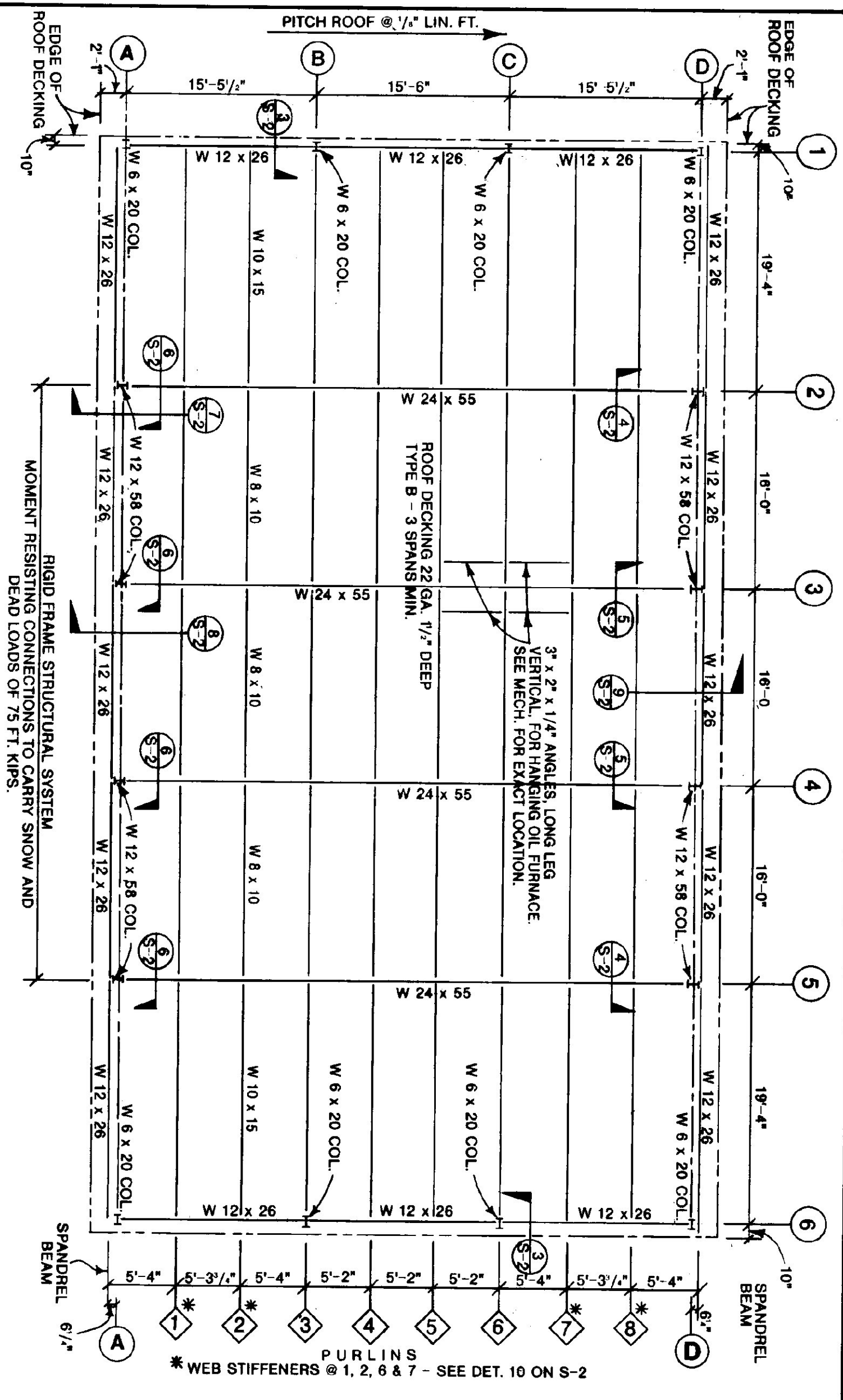


**MEZZANINE SLAB DETAIL**  
SCALE: 1" = 1'-0"



**DETAIL - FOUNDATION PLANS**  
SCALE: 3/4" = 1'-0"

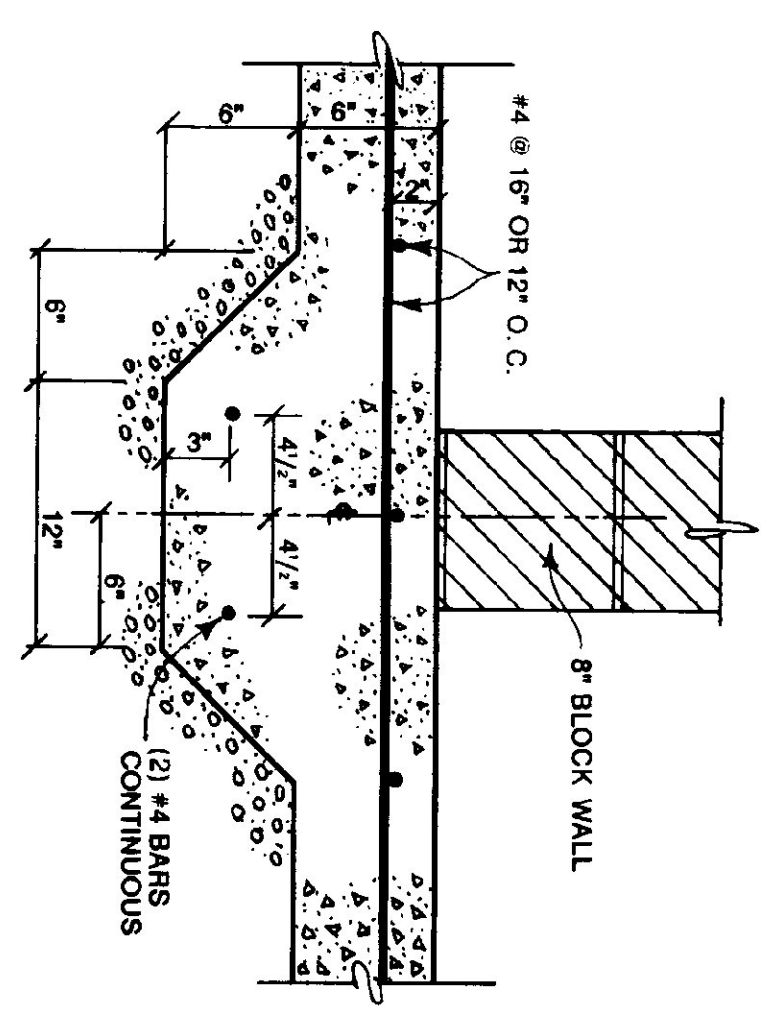
STATE OF VERMONT		DEPARTMENT OF TRANSPORTATION	
DEPARTMENT OF STATE BUILDINGS		FOUNDATION PLANS & SECTIONS	
AGENCY OF ADMINISTRATION		4 BAY MAINTENANCE GARAGE	
VERMONT		VERMONT	
DATE: JUNE 1987	SCALE: AS NOTED	DWG. NO. S-1	17 OF 23
DRAWN BY: A. POULIN	APPROVED BY:	REVISIONS:	



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

**NOTES:**  
(1) SLAB CONSTRUCTION JOINT/EXPANSION JOINT PATTERN REQUIRES AN ALTERNATING AREA (CHECKER BOARD) POURING SEQUENCE FOR GARAGE FLOOR.  
(2) SLABS @ EXTERIOR PEOPLE & OVERHEAD DOORS EXTEND 2' BEYOND FACE OF FOUNDATION.

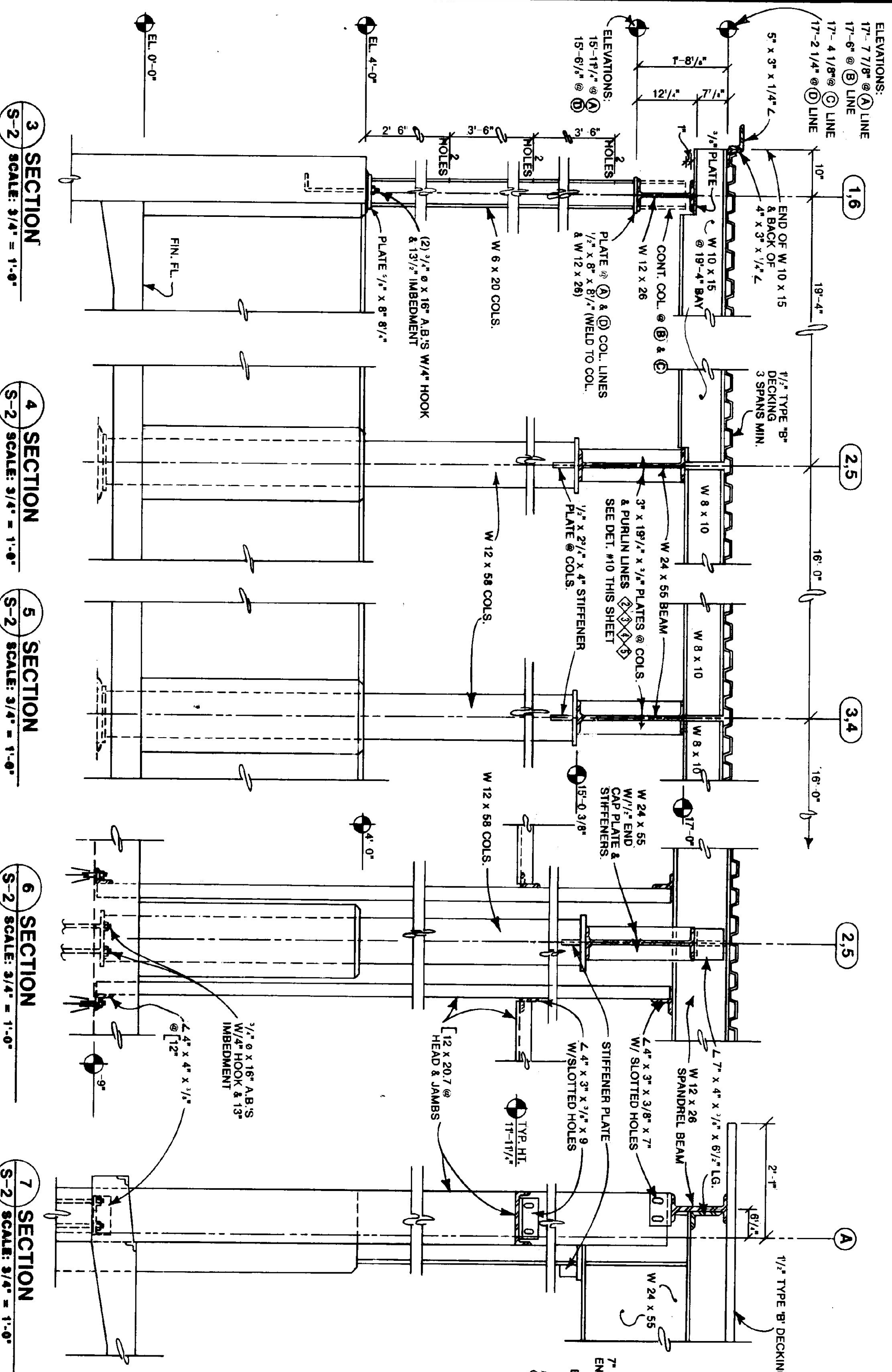
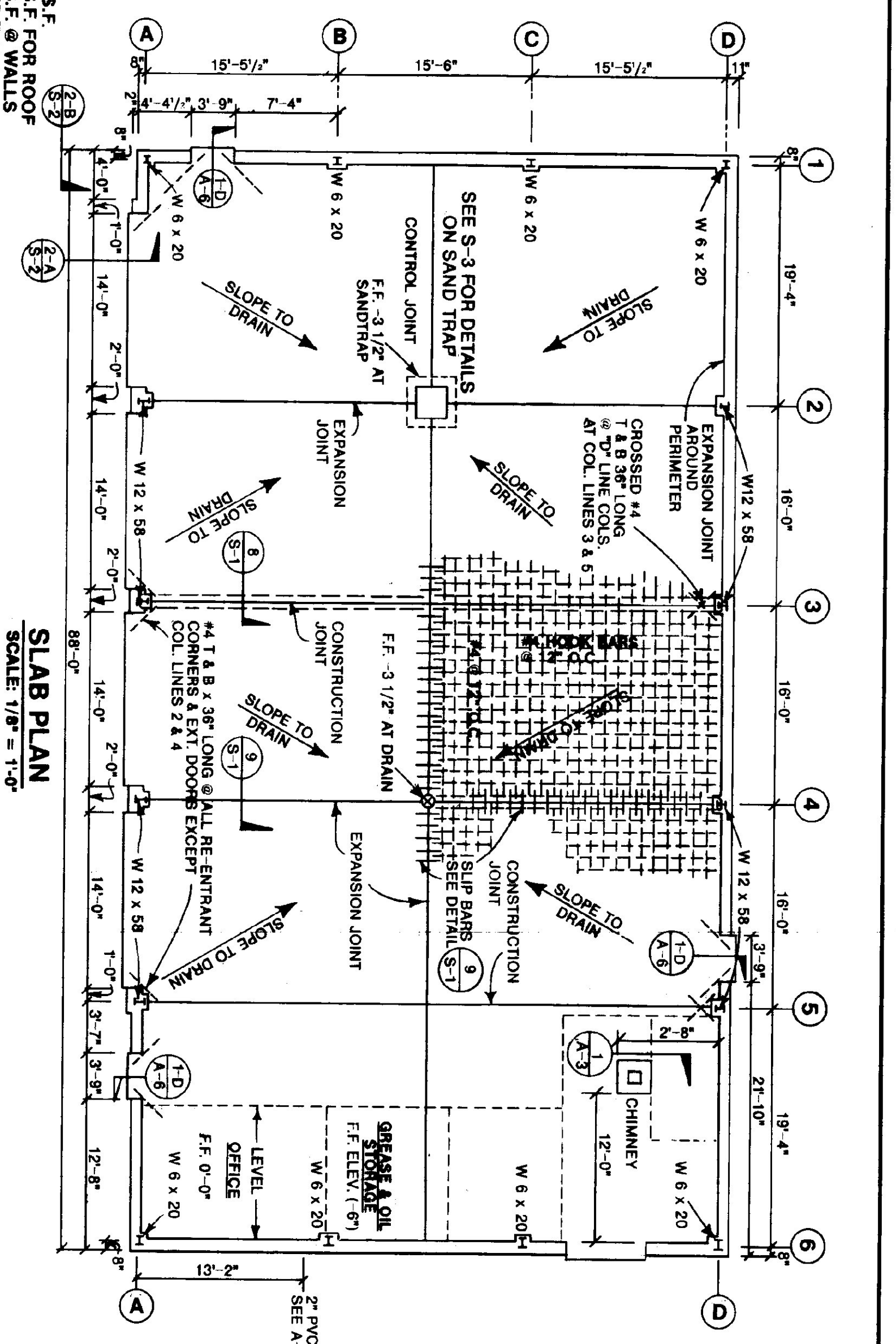
**1 SLAB FOOTING AT BLOCK WALL DETAIL**  
SCALE: 1-1/2" = 1'-0"



**LOADING NOTES:**  
(1) SNOW LOAD = 50#/S.F.  
(2) DEAD LOAD = 20#/S.F. FOR ROOF  
(3) WIND LOAD = 20#/S.F. @ WALLS  
(4) MEZZANINE = 100#/S.F. FLOOR

**BASE PLATE NOTES:**  
@ COL. LINES #1, 4, 6 BOT. OF BASE PLATES @ +4'-0\"/>

**SLAB PLAN**  
SCALE: 1/8" = 1'-0"



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

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

**5 SECTION**  
SCALE: 3/4" = 1'-0"

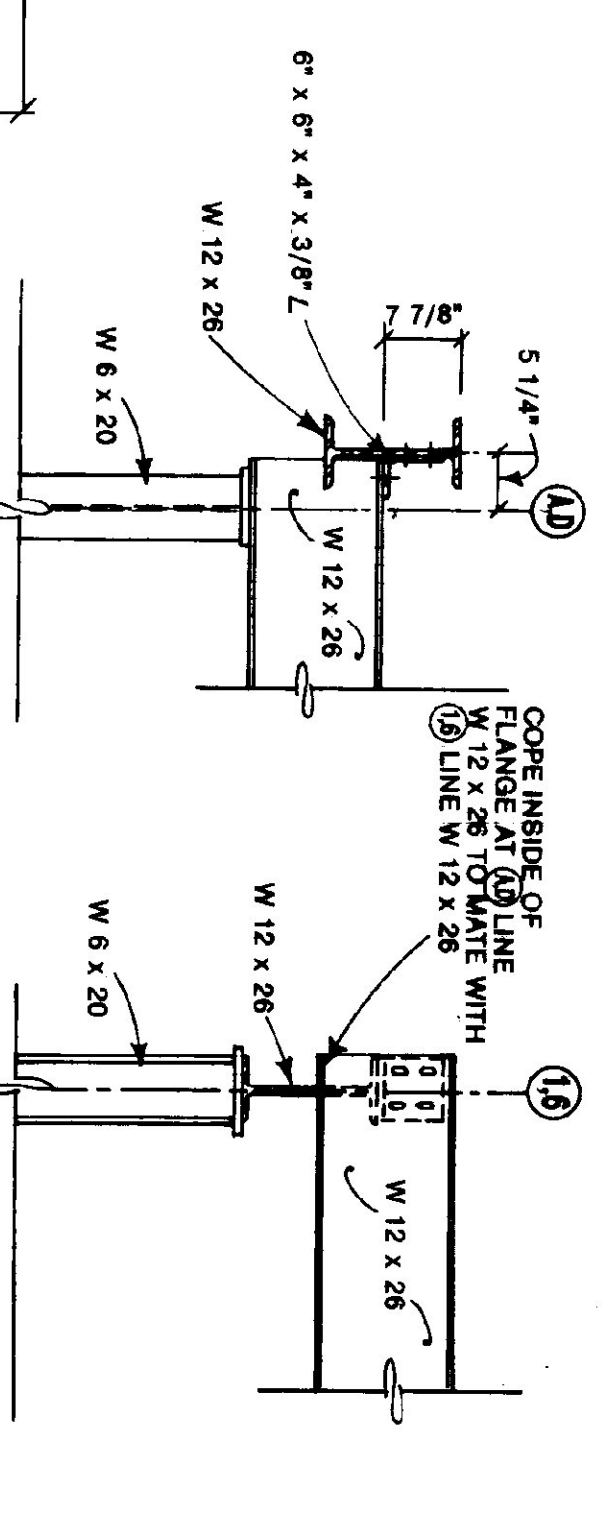
**6 SECTION**  
SCALE: 3/4" = 1'-0"

**7 SECTION**  
SCALE: 3/4" = 1'-0"

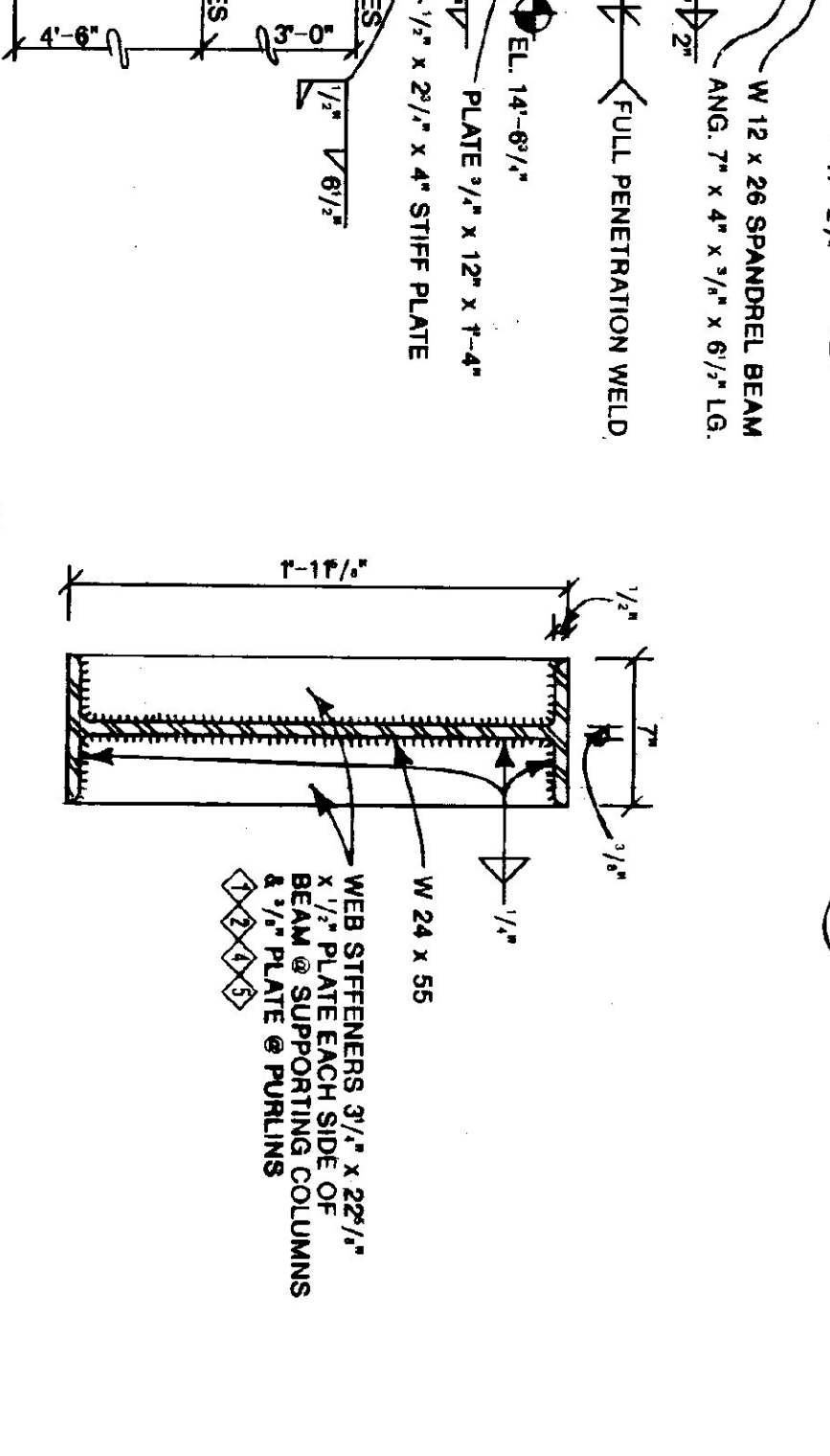
**8 SECTION @ COL. LINE 'A' 2-5**  
SCALE: 3/4" = 1'-0"

**9 SECTION @ COL. LINE 'D' 2-5**  
SCALE: 3/4" = 1'-0"

**2-A STEEL CORNER DETAILS**  
SCALE: 3/4" = 1'-0"

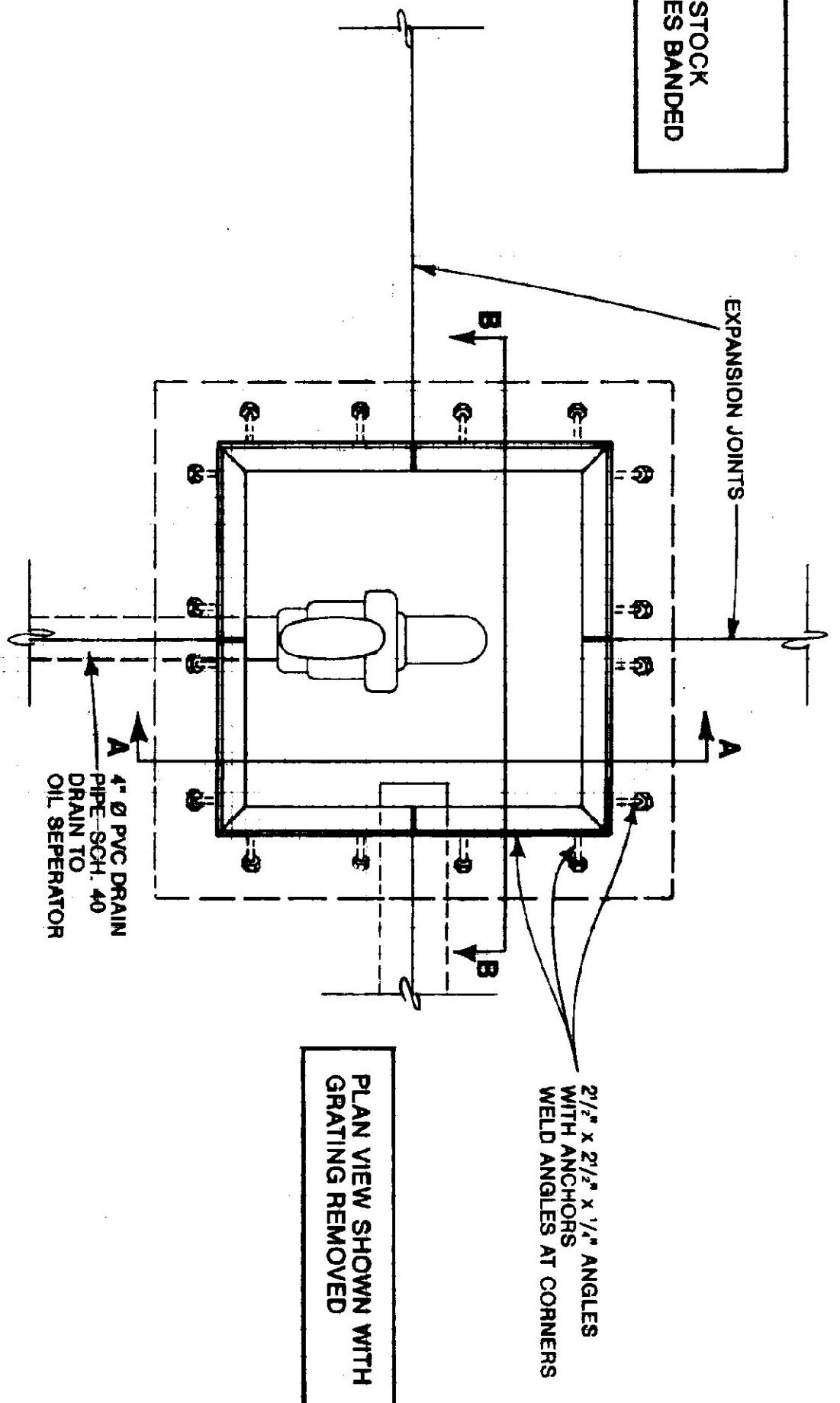


**10 DETAIL - WEB STIFFENERS**  
SCALE: 1-1/2" = 1'-0"

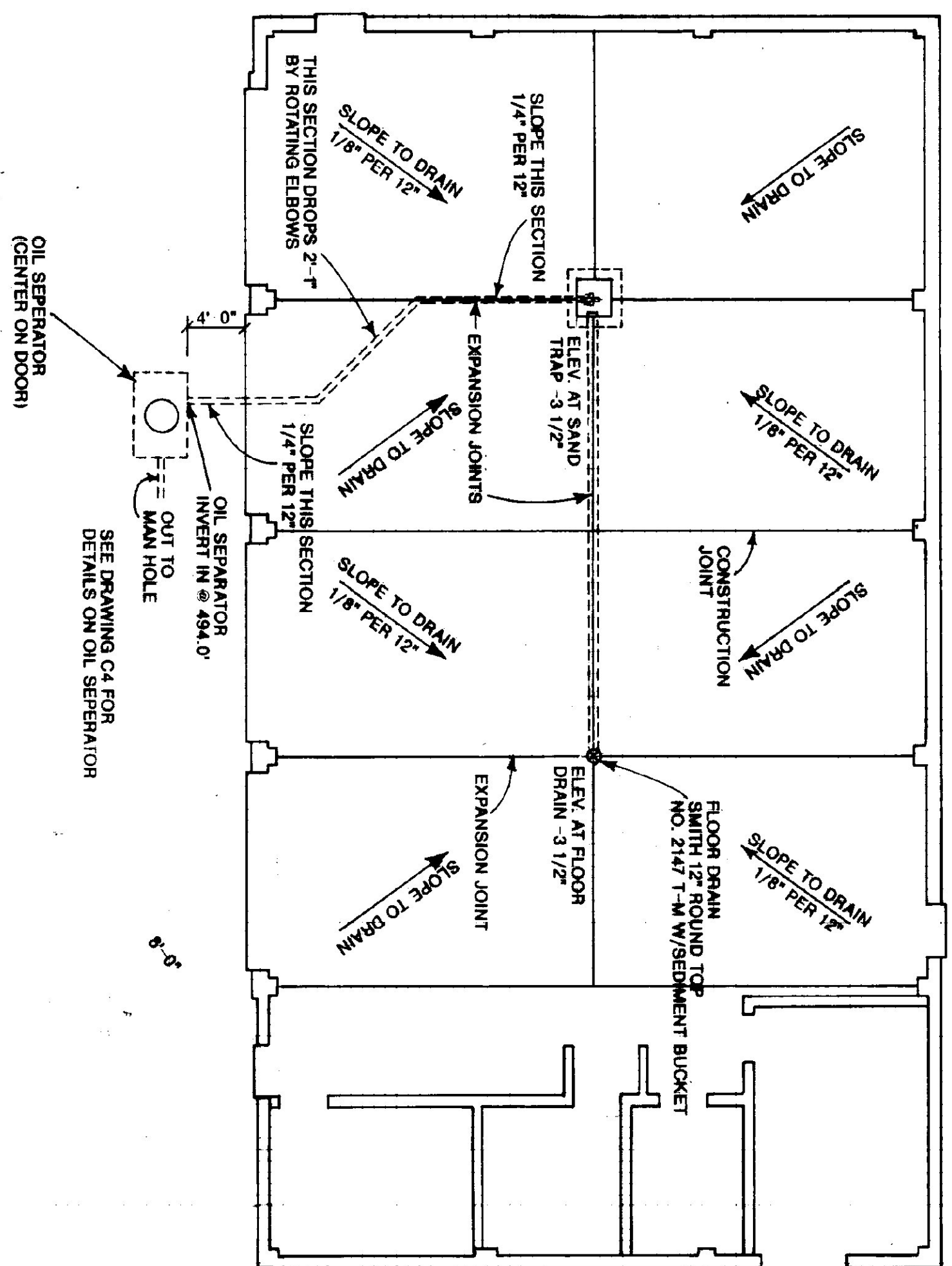


STATE OF VERMONT			
DEPARTMENT OF STATE BUILDINGS			
AGENCY OF ADMINISTRATION			
VERMONT			
MONTPELLIER.			
VERMONT AGENCY OF TRANSPORTATION			
STRUCTURAL STEEL FRAMING @ ROOF & STEEL SECTIONS & CONCRETE DETAILS			
4 BAY MAINTENANCE GARAGE			
VERMONT.			
DATE: JUNE 1997	SCALE: AS NOTED	REVISIONS:	DWG. NO. S-2
DRAWN BY: A. POULIN	APPROVED BY:		18 OF 23

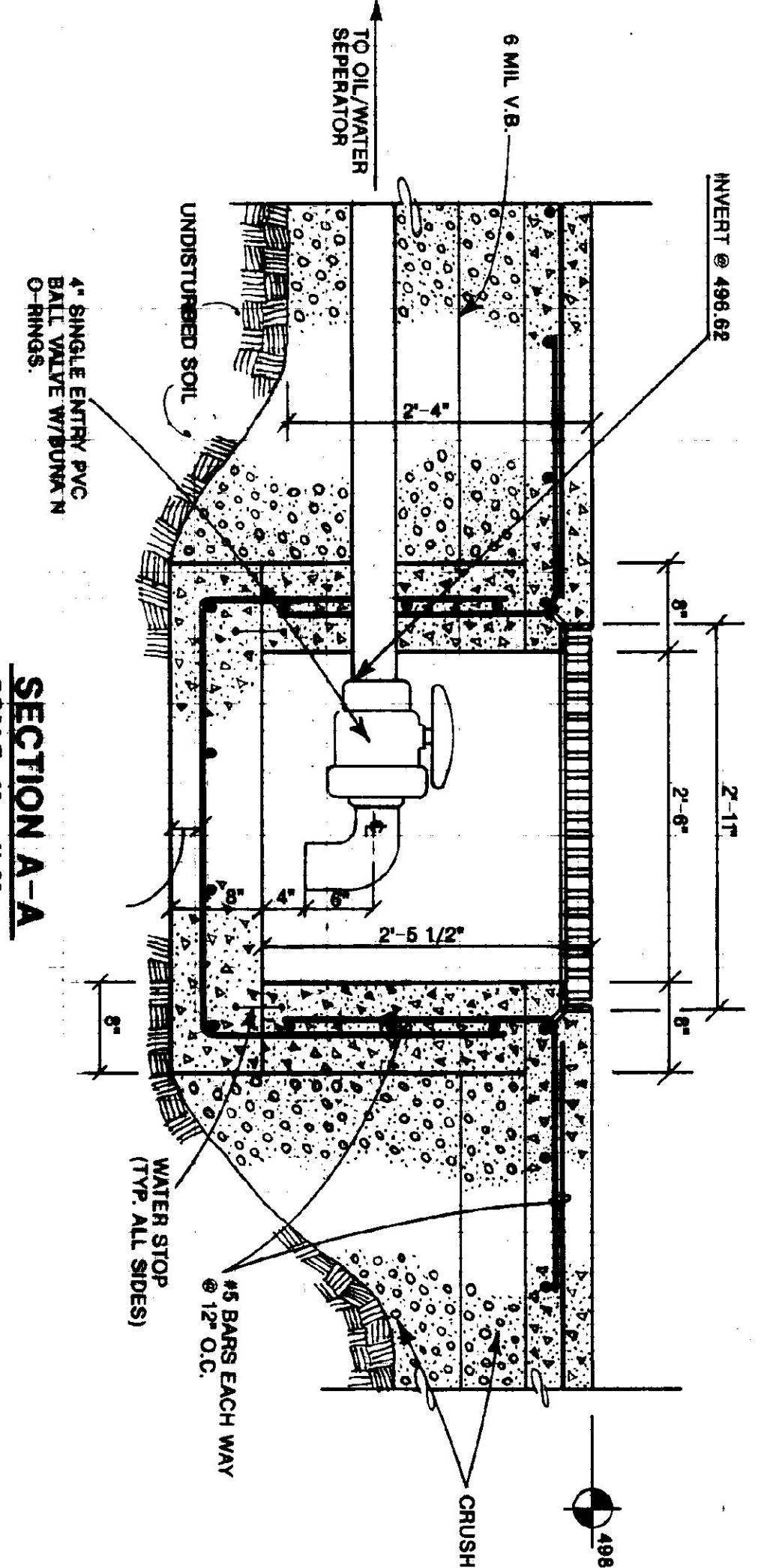
GRATING MODULES:  
 12 PER SAND TRAP,  
 2'-9" x 1'-4 1/2" x 2 1/2"  
 @ 7 1/2" O.C. ALL EDGES BANDED



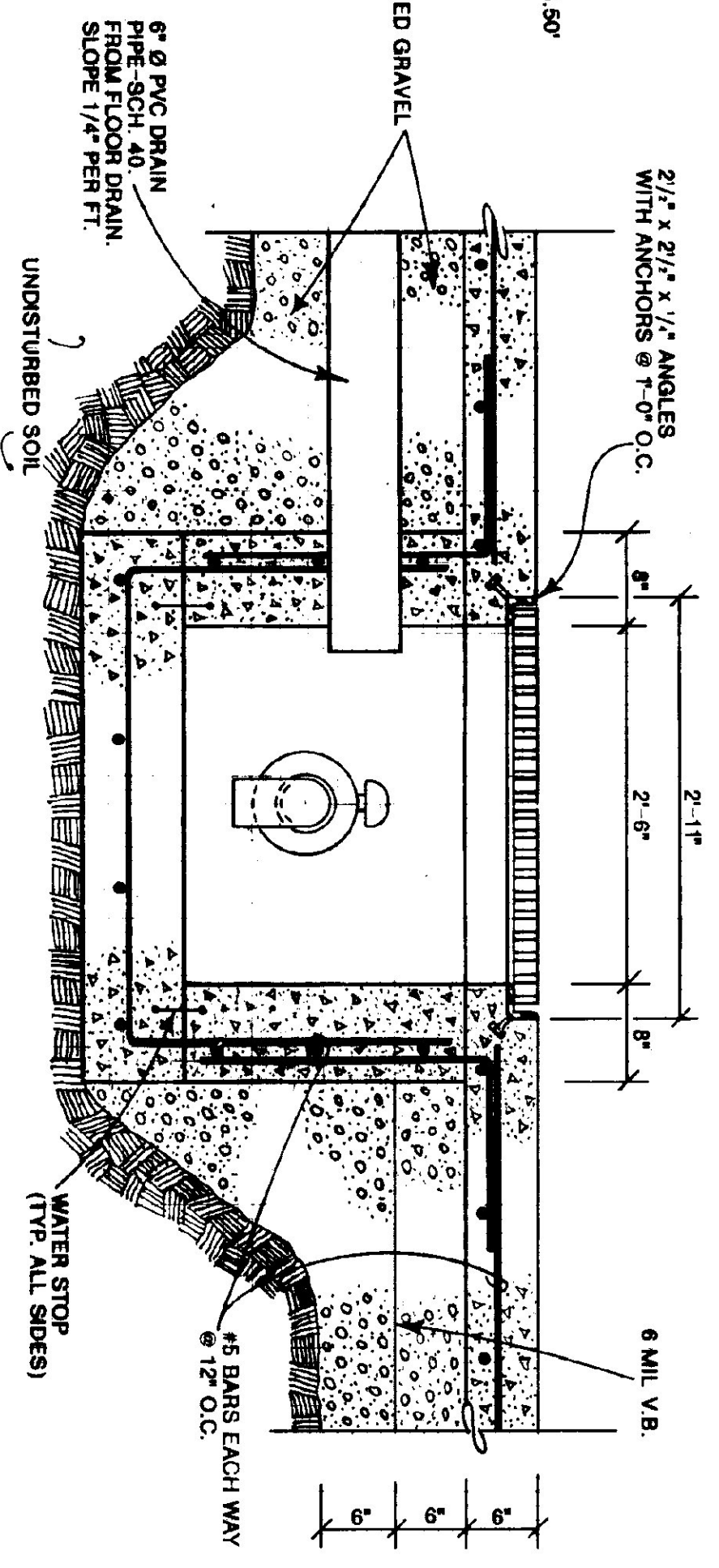
**SAND TRAP PLAN VIEW**  
 SCALE: 1" = 1'-0"



**DRAINAGE PLAN VIEW**  
 SCALE: 1/8" = 1'-0"



**SECTION A-A**  
 SCALE: 1" = 1'-0"



**SECTION B-B**  
 SCALE: 1" = 1'-0"

STATE OF VERMONT DEPARTMENT OF STATE BUILDINGS AGENCY OF ADMINISTRATION MONTPELIER, VERMONT		VERMONT AGENCY OF TRANSPORTATION SAND TRAP PLAN & SECTIONS AND DRAINAGE PLAN 4 BAY MAINTENANCE GARAGE VERMONT	
DATE: JUNE 1997	SCALE: AS NOTED	REVISIONS:	DWG. NO. S-3
DRAWN BY: A. POULIN	APPROVED BY: <i>[Signature]</i>		19 OF 23

**FURNACE SCHEDULE**

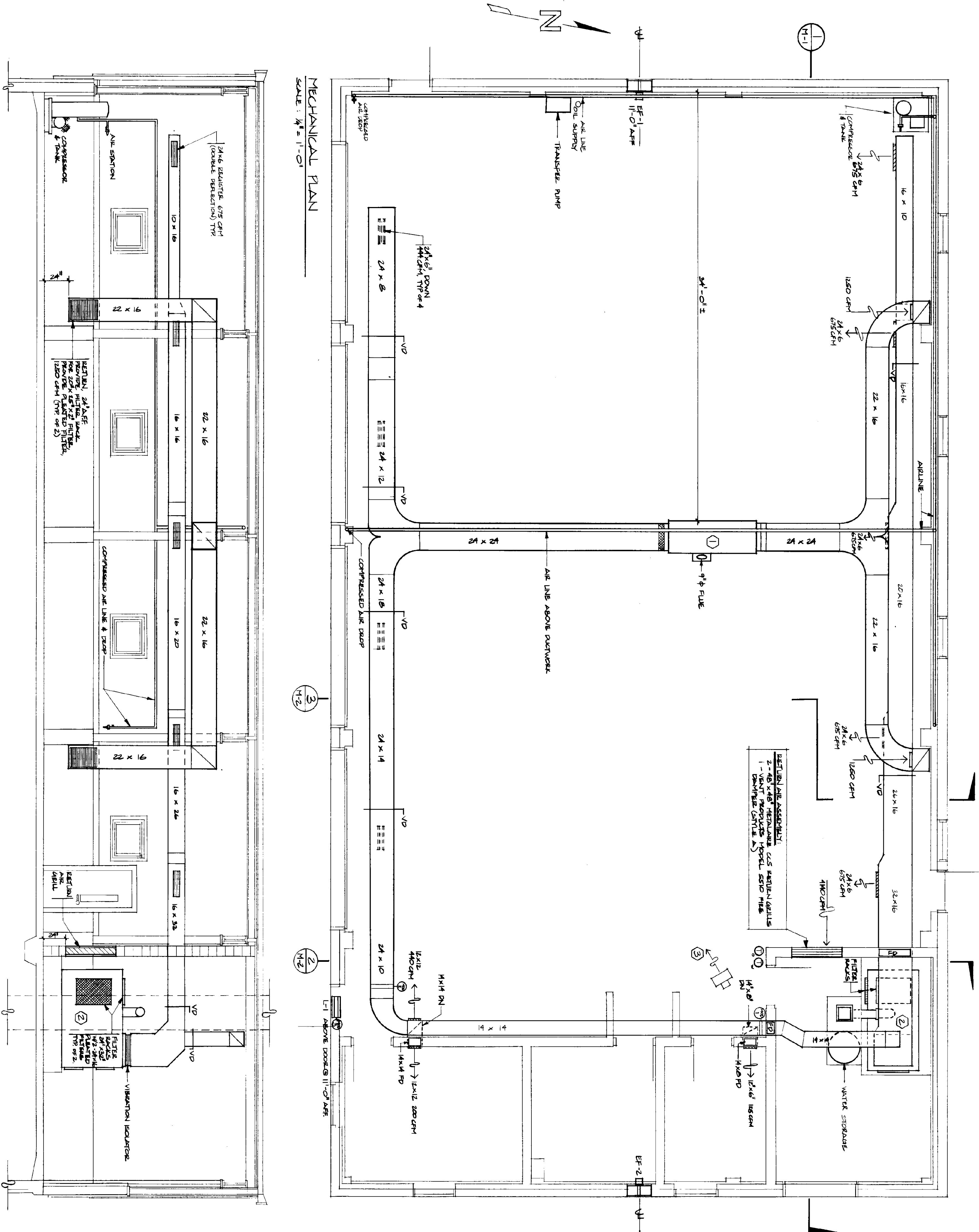
NO	MAKE / MODEL	BTU OUTPUT	FUEL	CFM	BLOWER HP	VOLTAGE	FLUE
①	JACKSON - CHURCH 200-28	224,000	#2 OIL	2440	3/4	250	9" φ
②	UNIKABLE 95	250,000	CHUNK WOOD	2000	3/4	115	8" φ
③	VULCAN HV-100	78,700	HOT WATER	900	1/20	115	—

**LOWERS/DAMPERS**

NO	MAKE	MODEL	SIZE	REMARKS
L-1	VENT PRODUCTS	2750	40"x15"	
MOD-1	VENT PRODUCTS	5815	14"x14"	"VALVED" STYLE OPERATOR, BLACKS N.O. OPERATOR TO CLOSE DAMPER WHEN ON. FURNACE BLOWER IS ON.
MOD-2	VENT PRODUCTS	5815	24"x10"	"VALVED" STYLE OPERATOR, BLACKS N.O. OPERATOR TO OPEN DAMPER WHEN ON. FURNACE BLOWER IS ON.
MOD-3	VENT PRODUCTS	5703	36"x36"	TO OPEN WHEN EF-1 IS OPERATIONAL.

**FANS**

NO	MAKE	MODEL	CFM	SP	VOLT	HP
EF-1	GREENHECK	SFF-24	3065	.125	230	3/4
EF-2	GREENHECK	SP-6	80	.125	115	40 WATT



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

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

STATE OF VERMONT  
DEPARTMENT OF STATE BUILDINGS  
AGENCY OF ADMINISTRATION  
MONTPELIER, VERMONT

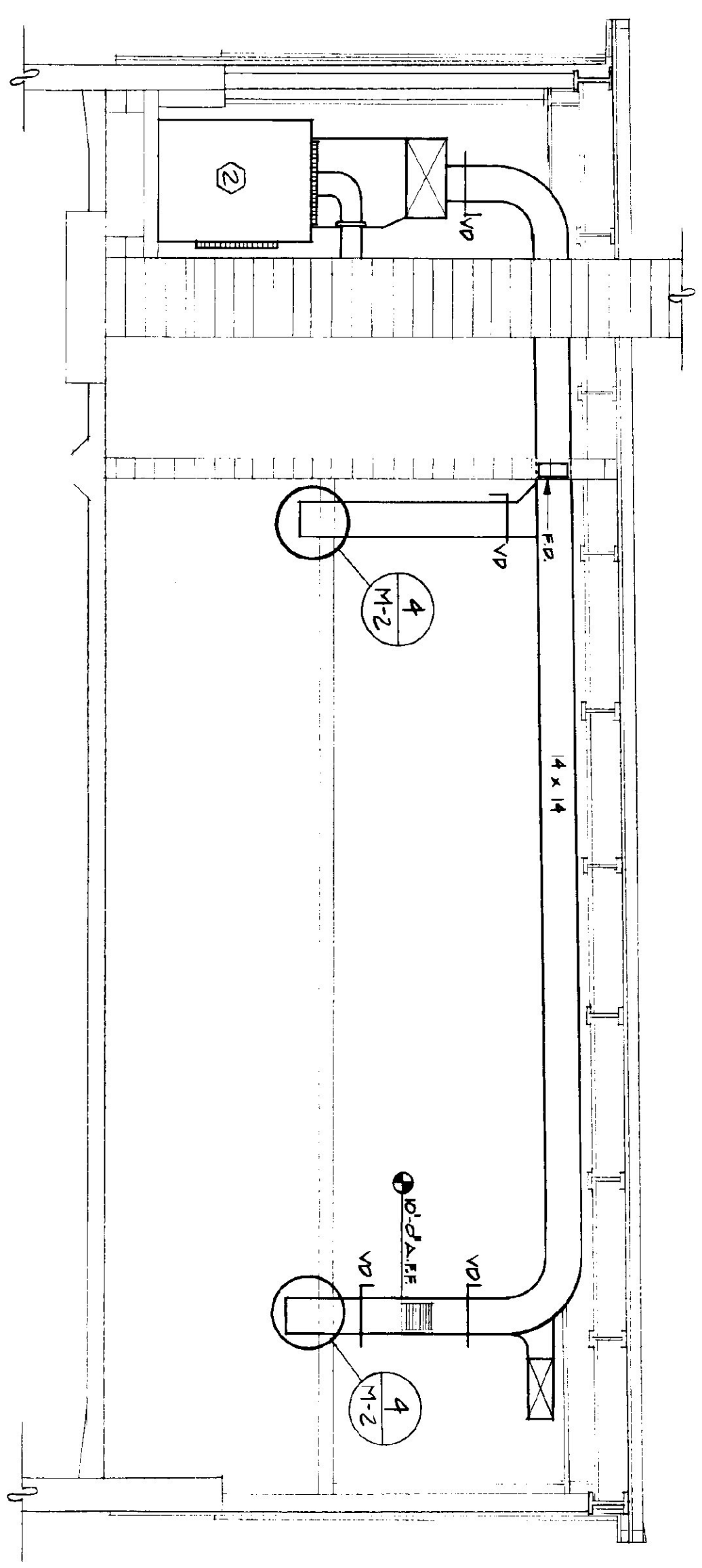
**BRANDON**  
4-BAY MAINTENANCE GARAGE  
MECHANICAL PLAN & SECTION

BRANDON,  
DATE: JUNE 1997  
DRAWN BY: J. CHILDS

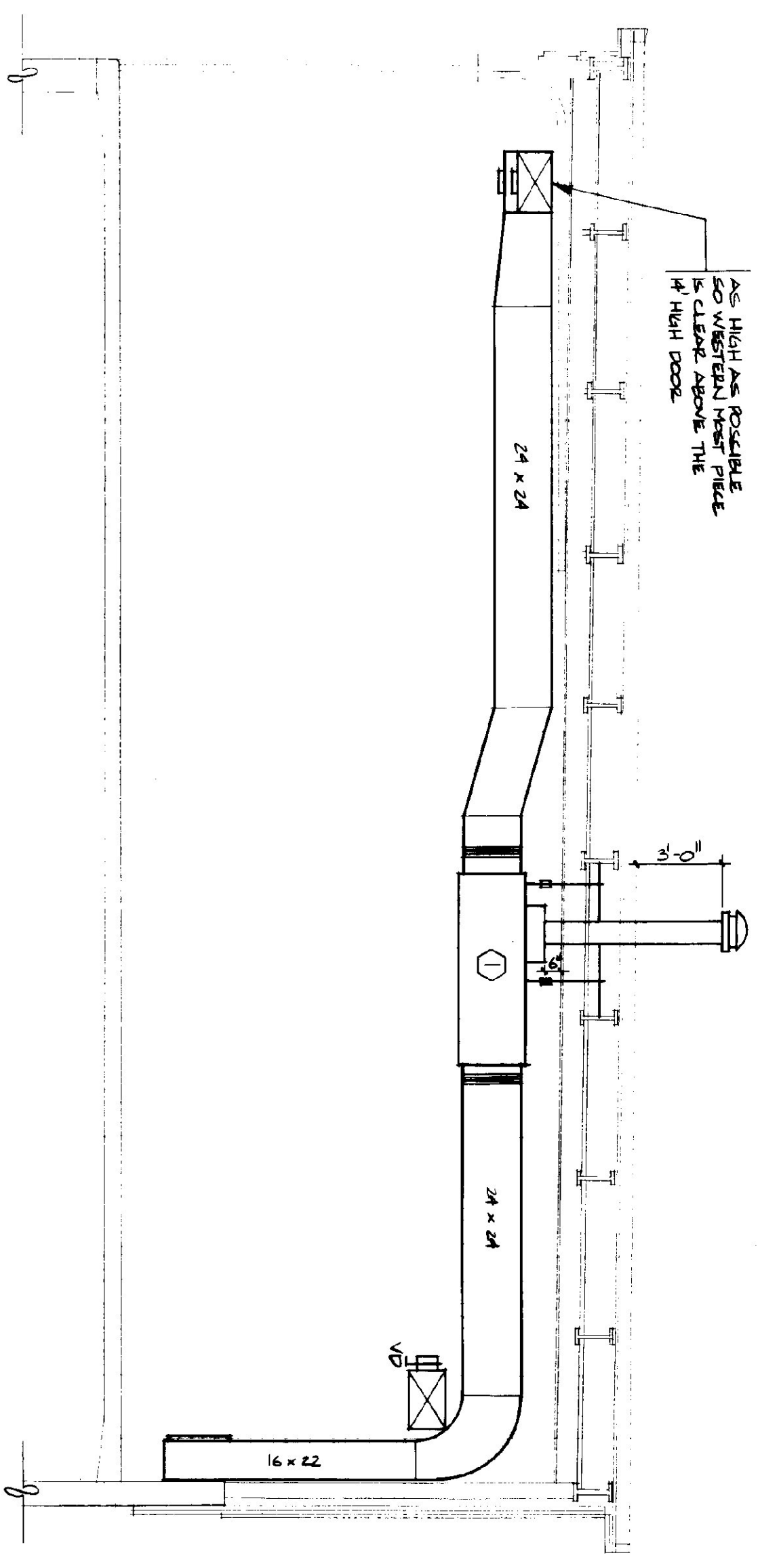
SCALE: AS NOTED  
APPROVED BY: T. B. 164

REVISIONS:

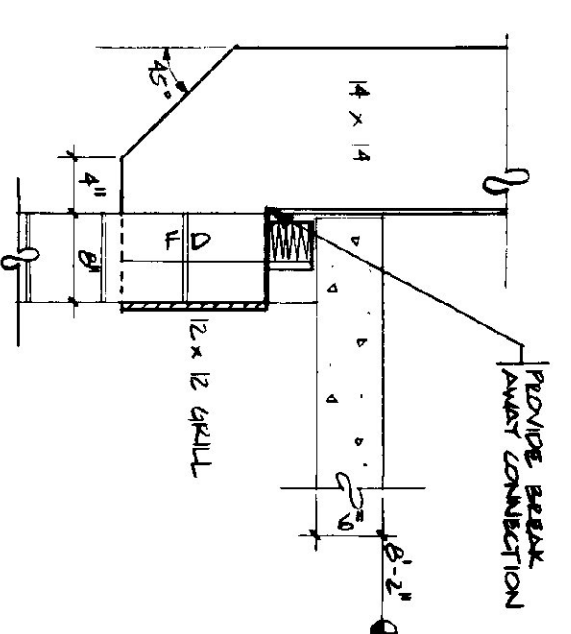
VERMONT  
DWG. NO. M-1  
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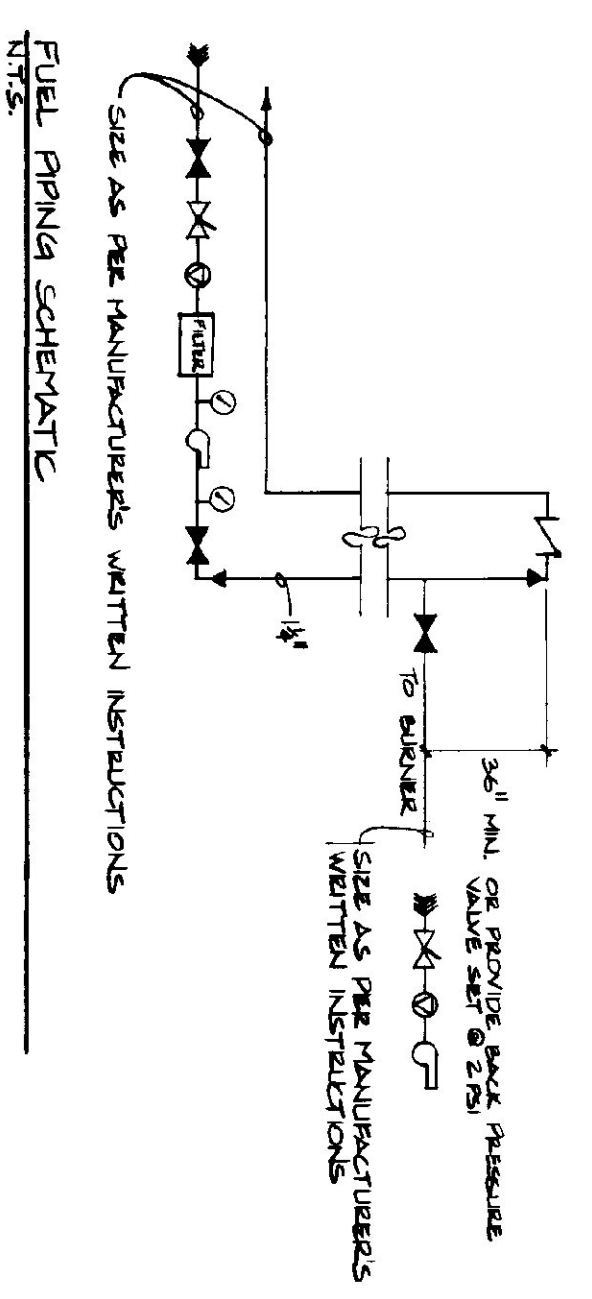
2 SECTION  
SCALE: 1/4" = 1'-0"



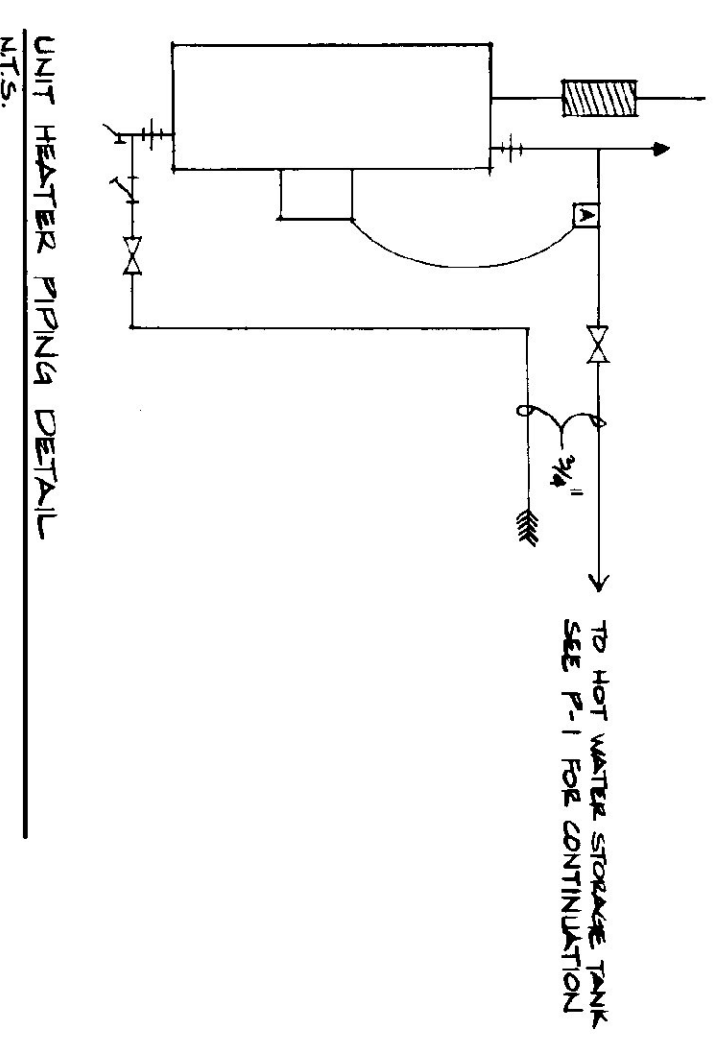
3 SECTION  
SCALE: 1/4" = 1'-0"



4 DETAIL OF AIR DUCT & OFFICE & BATHROOM  
SCALE: 3/4" = 1'-0"



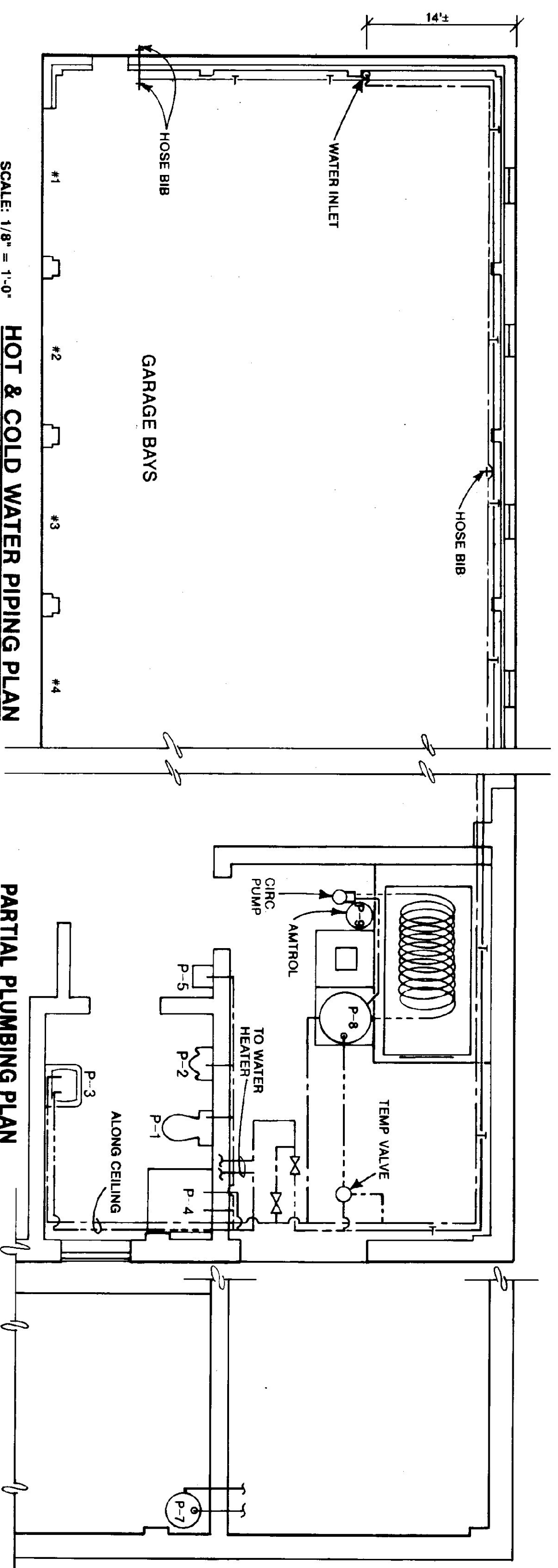
FUEL PIPING SCHEMATIC



UNIT HEATER PIPING DETAIL

- LEGEND**
- FD FIRE DAMPER
  - TH THERMOSTAT X: 2 = 0/50
  - FB FULL ROOFED BALL VALVE
  - FW FIREWATER VALVE, SPRING LOADED W/ LEVER & WIRE TO FISHABLE LINK & BURIED WEIGTER OSV
  - PG PRESSURE/VACUUM GAUGE
  - UN UNION
  - AV AUTOMATIC AIR VENT ON 1/2 AIR CHAMBER
  - AS STRAP ON AQUASTAT SET @ 120°F
  - ST STRAINER
  - DR DRAIN
  - VI VENTION ISOLATOR

STATE OF VERMONT DEPARTMENT OF STATE BUILDINGS AGENCY OF ADMINISTRATION MONTPELIER, VERMONT			
<b>BRANDON 4-BAY MAINTENANCE GARAGE MECHANICAL ELEVATIONS &amp; DETAILS</b>			
DATE: JUNE 1997	SCALE: AS NOTED	REVISIONS:	DWG. NO. M-2
DRAWN BY: J. GIBBS	APPROVED BY: J. GIBBS		21 OF 23



HOT & COLD WATER PIPING PLAN  
SCALE: 1/8" = 1'-0"

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

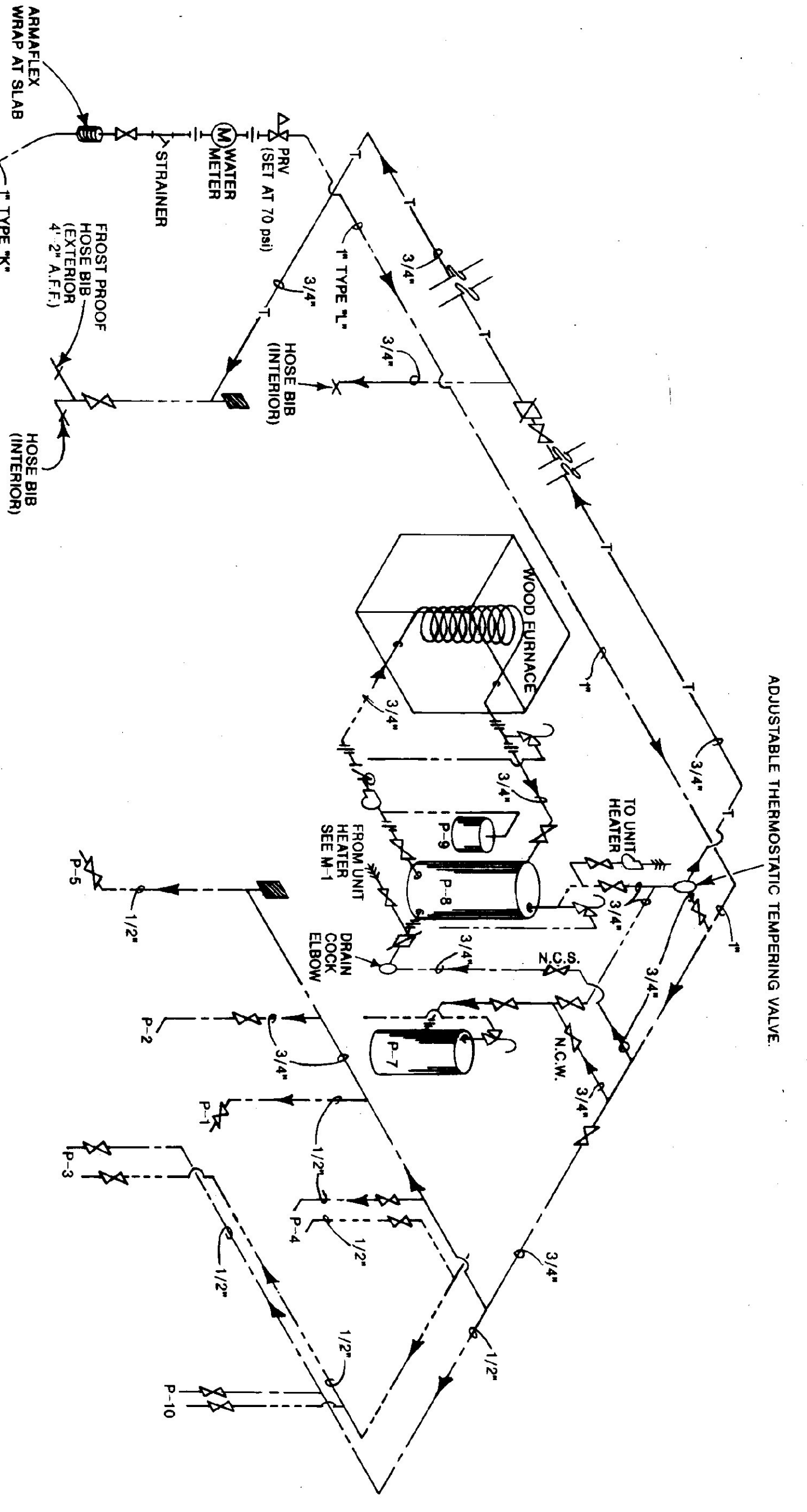
**PLUMBING SYMBOLS FOR PIPING, VALVES & FITTINGS**

COLD WATER	UNION	N.C.S.	NORMALLY CLOSED IN SUMMER
HOT WATER	HOSE BIB	N.C.W.	NORMALLY CLOSED IN WINTER
PTR VALVE DRAIN	1/2" TRAP		GATE OR BALL VALVE
WASTE PIPING	FLOOR DRAIN W/ "P" TRAP		CIRCULATOR TACO 006, BRONZ.
VENT PIPING	TOILET FLANGE		
TEMPERED WATER	FLOOR CLEANOUT		
FLOW DIRECTION			
CHECK VALVE			
BACKFLOW PREVENTER			
PRESS. & TEMP. RELIEF VALVE W/ DRAIN TO 6" A.F.F. - CUT END @ 45°			
WATER HAMMER ARRESTER			

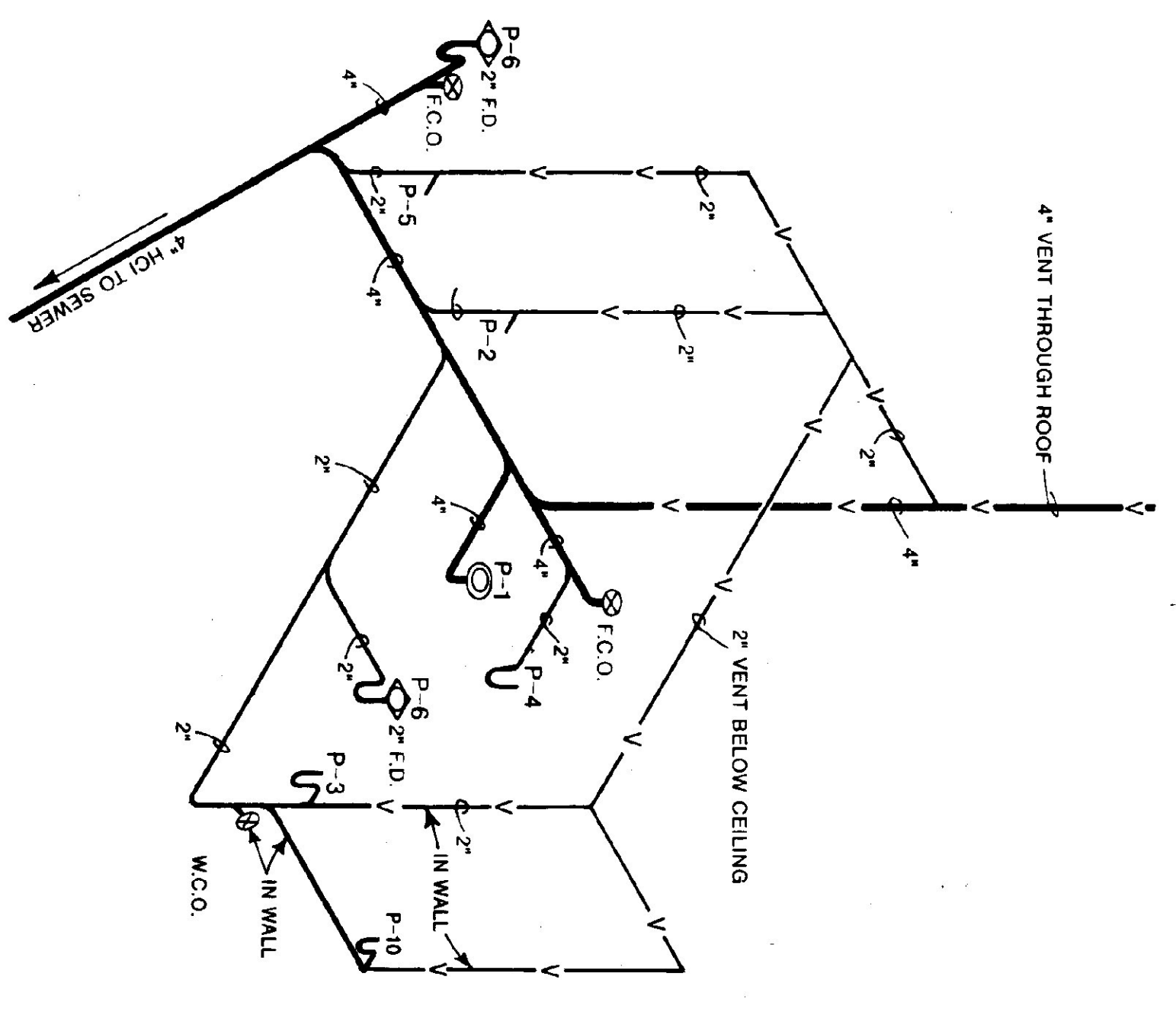
PLUMBING PLAN  
MEZZANINE LEVEL  
SCALE: 1/4" = 1'-0"

**FIGURE SCHEDULE**

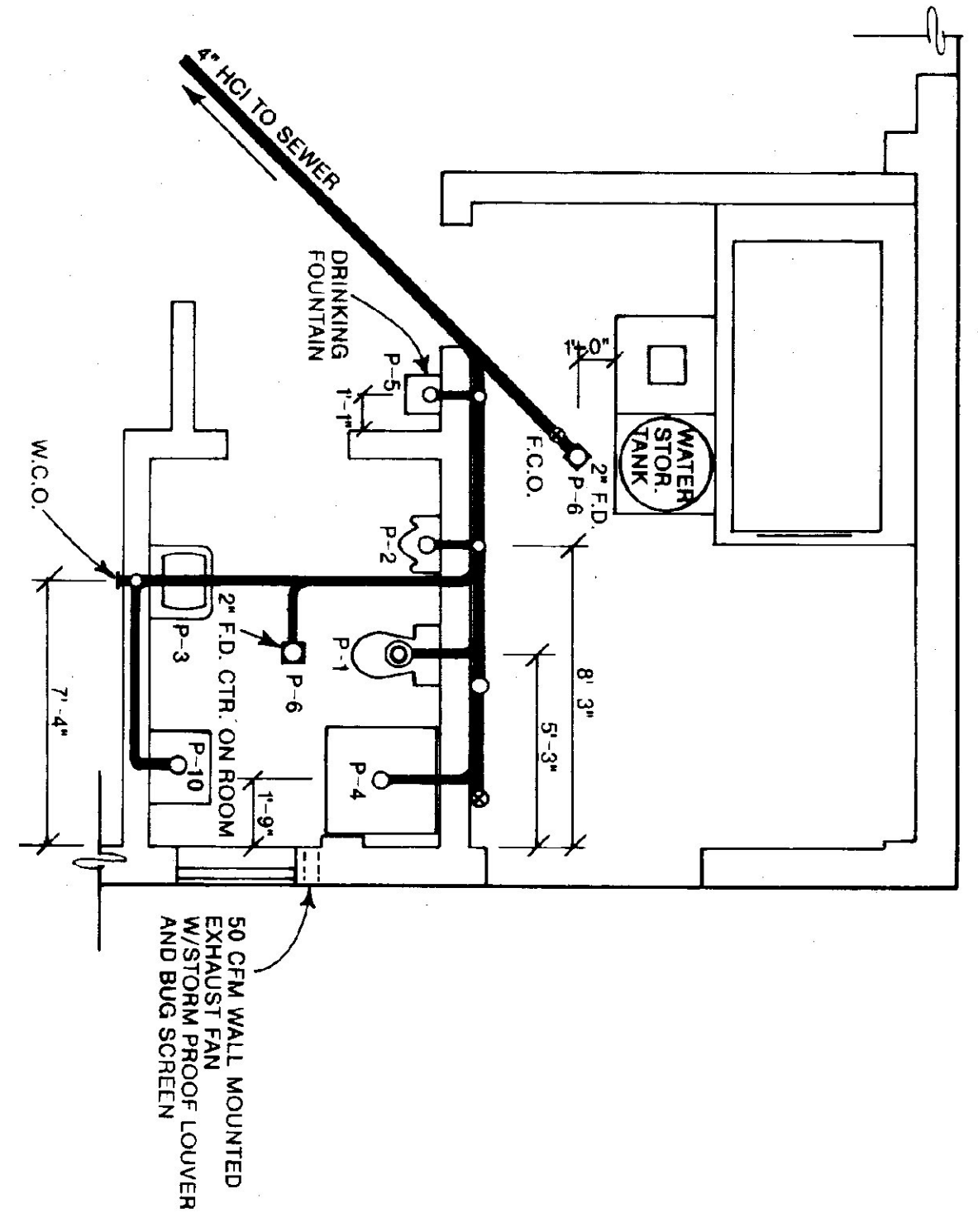
ABR.	FIGURE	DESCRIPTION	NOTES	DRN.	VENT	COLD	HOT
P-1	TOILET	AMERICAN STANDARD "CADET" #2108 500 WHITE VITREOUS CHINA, HANDICAP. FLOOR MOUNTED. 16" HIGH SEAT TO BE ELONGATED, OPEN FRONT WITH BOLT CAPS. PROVIDE SUPPLY STOP.		4"	2"	1/2"	-
P-2	URINAL	AMERICAN STANDARD "WASHBROOK" #650 010, 3/4" TOP SPUD, WHITE VITREOUS CHINA, WALL HUNG, WASH OUT URINAL, WITH SLOAN ROVAL 186 FLUSH VALVE & COMPATIBLE CARRIER.	MOUNT WITH RIM @ 17" A.F.F.	2"	2"	3/4"	-
P-3	LAVATORY	AMERICAN STANDARD "DEGLYN" #0321 012 WALL HUNG, WHITE VITREOUS CHINA, FRONT OVERFLOW, 4" CENTER FAUCET HOLES. FITTINGS SHALL BE CHROME SINGLE LEVER CONTROL W/POP UP DRAIN & P-TRAP. AMERICAN STANDARD "RELIANT" # MODEL 2385 000.	MOUNT WITH RIM @ 34" A.F.F.	2"	2"	1/2"	1/2"
P-4	SHOWER	FIBERGLASS, 36" x 36", DURASTALL MODEL 144, WHITE. FITTINGS: CHROME SINGLE LEVER CONTROL, PRESSURE BALANCED WITH SHOWER/SHOWER STOP. AMERICAN STANDARD "RELIANT" # MODEL #1495 501. PROVIDE A CHROME STRAINER AND P-TRAP.		2"	2"	1/2"	1/2"
P-5	DRINKING FOUNTAIN	AMERICAN STANDARD #8310 112, WHITE VITREOUS CHINA, SELF CLOSING VALVE. PROVIDE P-TRAP.		4"	4"	1/2"	-
P-6	FLOOR DRAIN	SLOTTED ROUND COVER, DRAIN SHALL DISCHARGE THROUGH A P-TRAP, OUTLET OF P-TRAP SHALL HAVE A TWO INCH DRAIN WITH INTEGRAL FLOOR CLEANOUT.	PROVIDE W/TRAP PRIMER FROM COLD WATER AT LAVATORY	2"	-	-	-
P-7	HOT WATER HEATER	30 GAL. ENERGY SAVING WITH 2" FOAM INSULATION, 20 GPH RECOVERY AT 90° TEMP. RISE. BRADFORD WHITE MODEL M-II-30R8 DS OR APPROVED EQUAL.	PROVIDE P & T RELIEF VALVE	-	-	1/2"	1/2"
P-8	CLEANOUTS	AS INDICATED OR REQUIRED BY CODE. CLEANOUTS SAME SIZE AS PIPE. FLOOR CLEANOUTS TO BE SET FLUSH W/FLOOR. ZURN MODEL Z1400 2 OR APPROVED EQUAL. WALL C.O.'S SHALL BE ZURN MODEL Z-1400-1 OR APPROVED EQUAL.		-	-	-	-
P-9	STORAGE TANK	STONE LINED 120 GAL. TANK.	PROVIDE P & T RELIEF VALVE & VACUUM BREAKER	-	-	3/4"	3/4"
P-10	EXPANSION TANK	AMTROL "THERM-X-TROL ST-25V" FINI T-1, WALL HUNG, W/STRAINER & PLUG		1 1/2"	1 1/2"	1/2"	1/2"



HOT & COLD WATER PIPING RISER DIAGRAM  
NOT TO SCALE



SANITARY WASTE & VENT PIPE RISER DIAGRAM  
NOT TO SCALE



SANITARY WASTE & VENT PLAN  
SCALE: 1/4" = 1'-0"

STATE OF VERMONT  
DEPARTMENT OF STATE BUILDINGS  
AGENCY OF ADMINISTRATION  
MONTPELIER, VERMONT

VERMONT AGENCY OF TRANSPORTATION  
4 BAY MAINTENANCE GARAGE  
BRANDON, VERMONT

PLUMBING PLAN  
P-1

DATE: JUNE 1997  
SCALE: AS NOTED  
DRAWN BY: A. POULIN  
APPROVED BY: [Signature]

REVISIONS:  
DWG. NO. P-1  
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