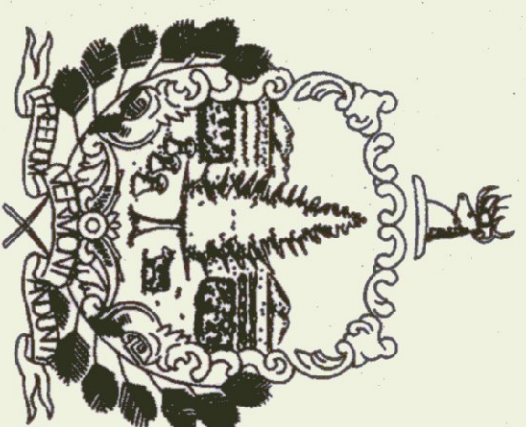


State of Vermont
 Department of Buildings & General Services
5-BAY MAINTENANCE GARAGE
 SALT/SAND SHEDS & STORAGE SHED
 Ludlow, Vermont

AS-BUILTS
 DECEMBER 1999

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



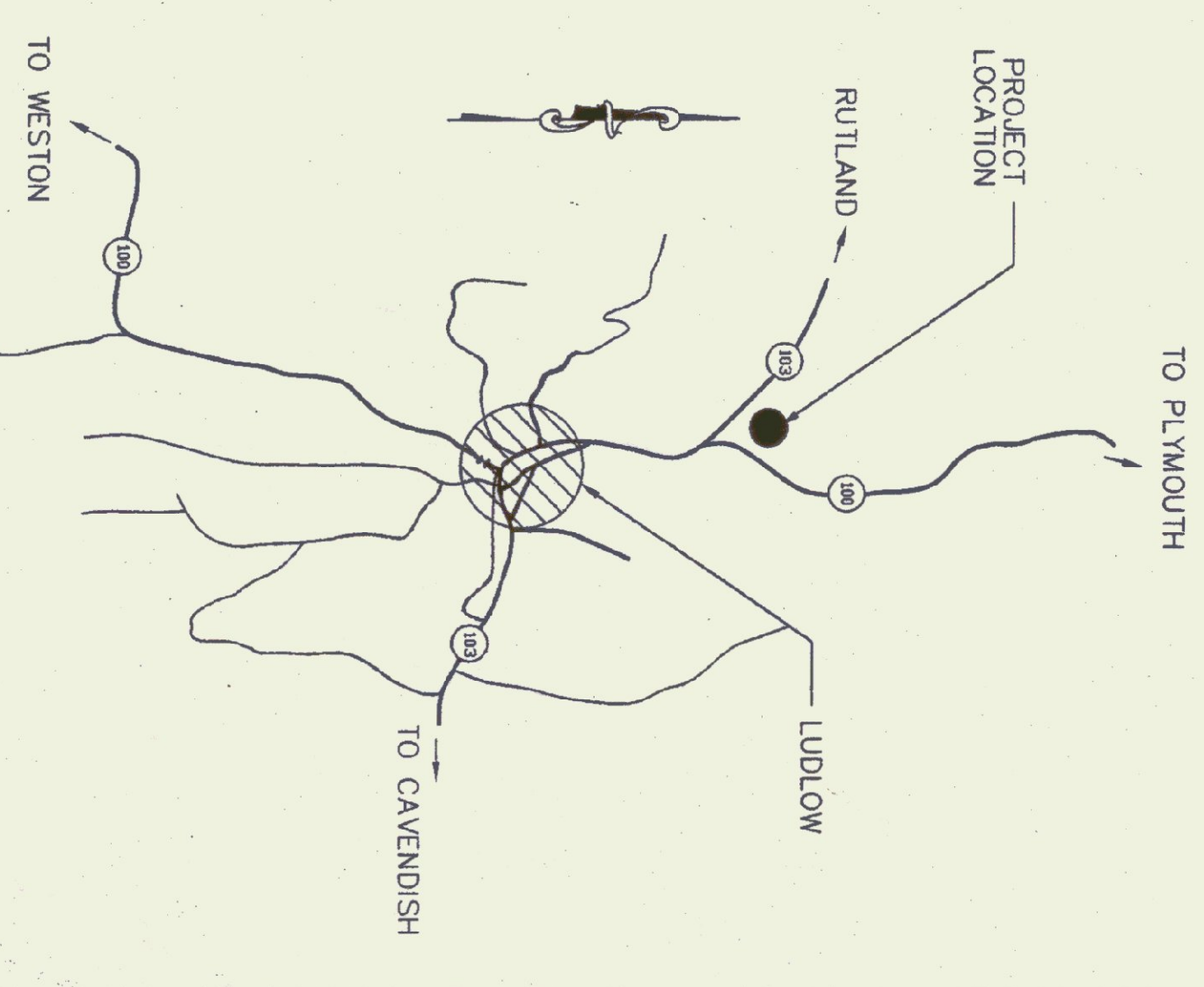
Howard Dean, M.D.
 Governor

MARCH 1999

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



PROJECT LOCATION

ID #	STATION #	OFFSET	DESCRIPTION
1	S+481.1	L 171.0	SE CORNER OF STORAGE SHED "A"
2	6+45.6	L 155.5	NE CORNER OF STORAGE SHED "A"
3	6+49.0	L 126.4	SW CORNER OF SALT SHED "A"
4	6+56.5	L 87.2	SE CORNER OF SALT SHED "A"
5	6+60.3	L 67.5	SW CORNER OF SALT SHED "B"
6	6+67.9	L 28.3	SE CORNER OF SALT SHED "B"
7	6+67.8	R 18.2	SW CORNER OF GARAGE FACILITY
8	6+50.3	R 120.7	SE CORNER OF GARAGE FACILITY
9	6+36.7	R 191.1	SE CORNER OF STORAGE SHED "B"
10	S+89.4	R 200.3	NE CORNER OF STORAGE SHED "B"

- NOTES:**
- CONTRACTOR TO TRANSFER BENCHMARK POINT TO REMAINING CURRENT BENCHMARK POINTS.
 - THE EXISTING FEATURES AND PROPOSED BUILDING LAYOUTS WERE TAKEN FROM A PLAN TITLED "STATE BUILDINGS DEPARTMENT 21-19896" BY CHARLE ROCKWELL, U.S. ON OCTOBER 31, 1997.
 - PARTIAL CONTOUR INFORMATION WAS SWEPT BY MANUSCRIPTAL 1:25 SCALE MAPS OF THE MAINTENANCE GARAGE AREA.
 - RESOURCES: SERVING THIS PROJECT SHALL BE RELOCATED BY THE MAINTENANCE GARAGE CONTRACTOR. SHALL COORDINATE AND PAY FOR REMOVAL OF EXISTING UTILITY LINES AND INSTALLATION OF NEW UTILITY LINES WITH LOCAL ELECTRIC LIGHT DEPARTMENT.
 - CONTACT PERSON: HOWARD BARTON (SUPERINTENDENT) TELEPHONE: 802-228-5721
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF EXISTING HOUSE TRAILER OR REMOVAL OF EXISTING HOUSE TRAILER FROM THE PROJECT SITE. (DANGER: 12x40)

0.2 MI. TO ROUTE 103 TO LUDLOW

VERMONT ROUTE 100



PROPOSED UTILITY LINES TO BE LOCATED BY GENERAL CONTRACTOR TO THE SITE. SEE SEPARATE DRAWING FOR GENERAL CONTRACTOR'S INSTALLATION OF UTILITY LINES WITH LOCAL ELECTRIC LIGHT DEPARTMENT.

ABOVE GROUND 6000 GAL. DIESEL TANK MOUNTED ON A 10'-0" x 6'-0" x 4'-0" CONCRETE PAD. (SEE DRAWING 1-21) S&B ELEVATION = 1087.0

LEGEND

- APPROX. LOCATION OF PROPERTY LINE
- - - - - EXISTING CONTOUR
- - - - - EXISTING 10' CONTOUR
- - - - - PROPOSED CONTOUR
- - - - - PROPOSED 10' CONTOUR
- PROPOSED FINISHED SPOT GRADE
- APPROXIMATE LOCATION OF EXISTING TREE LINE
- EXISTING STONE WALL
- EXISTING OVERHEAD UTILITY LINES
- PROPOSED OVERHEAD UTILITY LINES
- PROPOSED BURIED UTILITY LINES
- EXISTING UTILITY POLE
- EXISTING BURIED WELL
- TEST PIT
- EXISTING BUILDING FOUNDATION

GRAPHIC SCALE
 (IN FEET)
 1 inch = 30 ft

TO FLYMOUTH

1 OF 30

REVISIONS:
 6/28/98 TO NOTES & PROPOSED UTILITY LINE
 7/29/98 ADDED PARKING SPACES
 REVISION MISC. NOTES
 REVISION PROJ. ELEC.

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 HIGHWAY MAINTENANCE STORAGE FACILITY
 VT RTE. 100 LUDLOW, VT

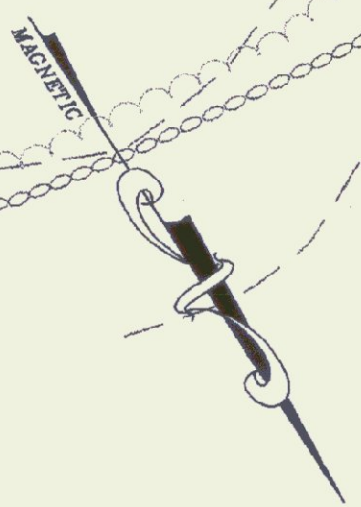
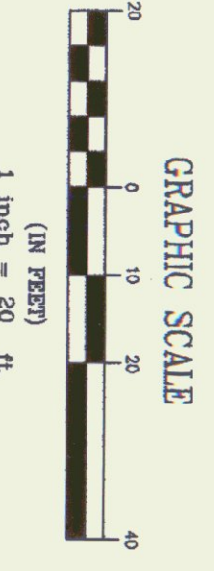
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 DESIGN BY: BJE
 DRAWN BY: JBT
 SHEET NO: R-1
 PROJECT NO: 9411

SITE PLAN



<p>REVISIONS:</p> <p>6/25/98 TREE LINE BURNED POWER AND 7/29/98 REVISED MISC. NOTES</p>		<p>VT RTE. 100 LUDLOW, VT</p> <p>THESE PLANS ARE FOR THE PROPOSED AND OTHER PROJECT WITHOUT WRITTEN CONSENT OF EMMAN ENGINEERING, P.C.</p>	
<p>VERMONT AGENCY OF TRANSPORTATION HIGHWAY MAINTENANCE STORAGE FACILITY</p>		<p>Emman Engineering Environmental • Civil • Sanitary 230 North Main Street Rutland (802) 775-3437 Copyright © 1989 All rights reserved.</p>	
<p>REGULATORY APPROVAL STAMP</p>		<p>WATER & SEWER PLAN</p>	
SCALE:	AS SHOWN	DATE:	06/11/98
DESIGN BY:	BUE	DRAWN BY:	JBT
SHEET NO.:	WS-1	PROJECT NO.:	9411

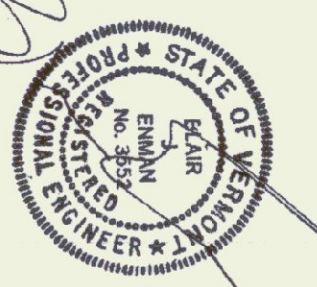


REVISIONS:
7/29/98
REVISED ISEC. NOTES

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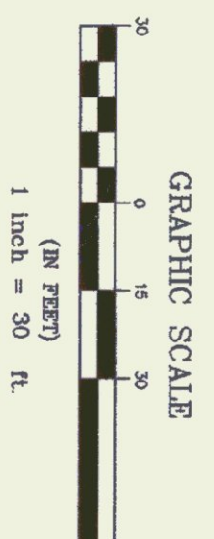
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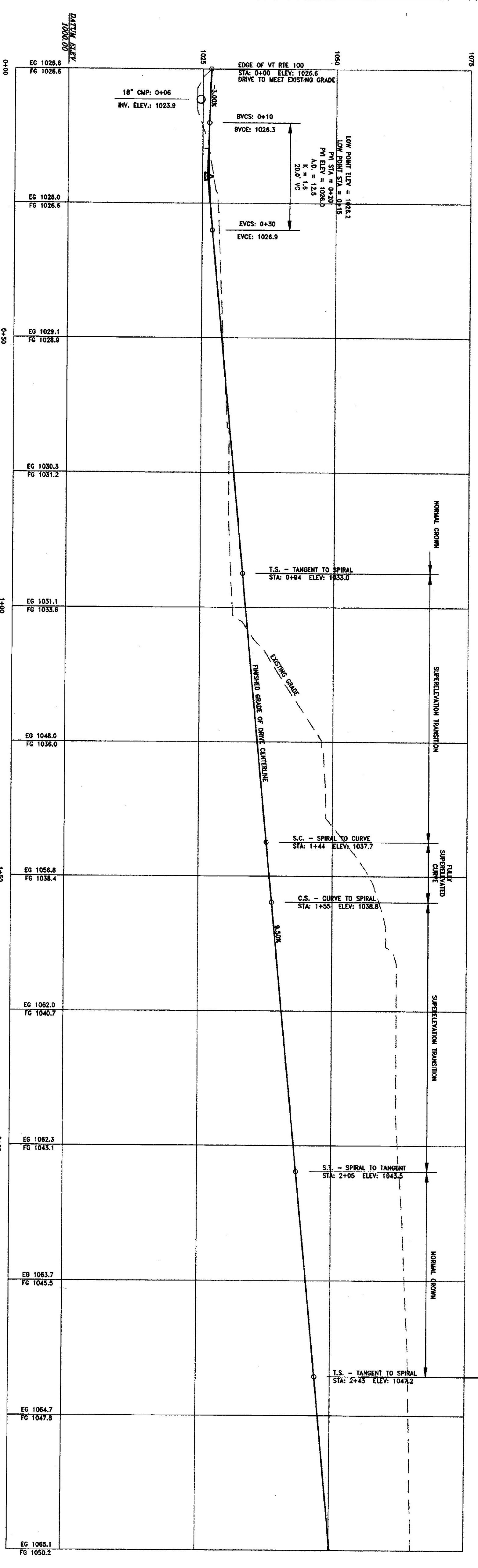
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GRADING
PLAN

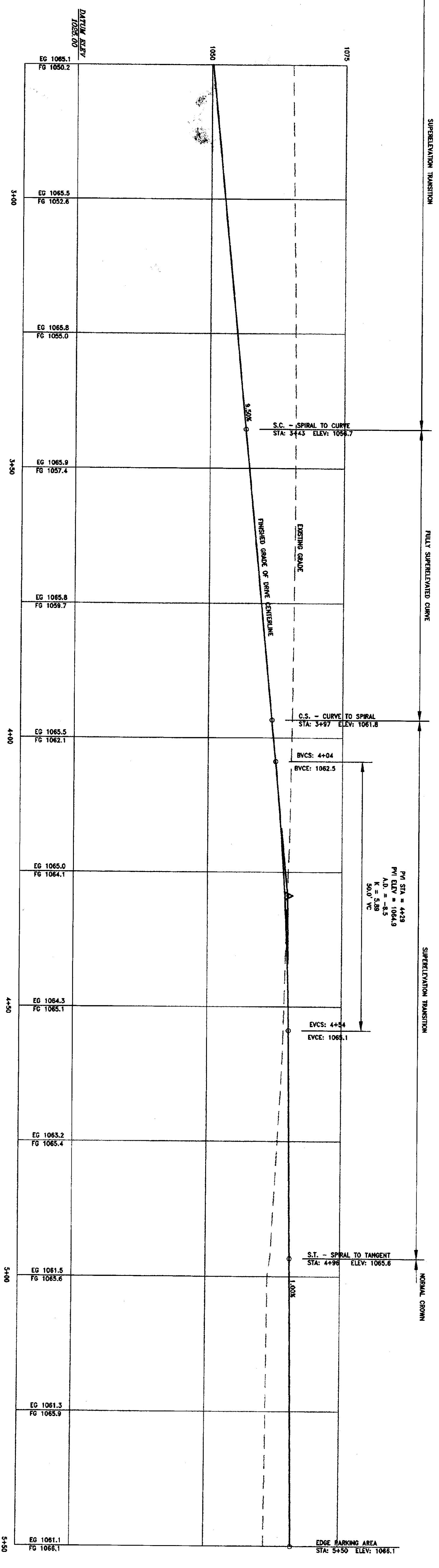
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DATE: 06/25/98
DESIGN BY: BJE
DRAWN BY: JBT
SHEET NO: G-1
PROJECT NO: 9411



- LEGEND**
- APPROX. LOCATION OF PROPERTY LINE
 - - - - - EXISTING CONTOUR
 - - - - - EXISTING 10' CONTOUR
 - - - - - PROPOSED 10' CONTOUR
 - - - - - PROPOSED FINISHED SPOT GRADE
 - x FG1068.0 APPROXIMATE LOCATION OF EXISTING TREE LINE
 - PROPOSED TREE LINE
 - EXISTING STONE WALL
 - EXISTING OVERHEAD UTILITY LINES
 - PROPOSED OVERHEAD UTILITY LINES
 - PROPOSED BURIED UTILITY LINES
 - EXISTING UTILITY POLE
 - EXISTING DRILLED WELL
 - TEST PIT
 - EXISTING BUILDING FOUNDATION



PROPOSED CENTERLINE PROFILE OF ACCESS ROAD
STATION 0+00 TO 2+75
SCALE: HORIZ. & VERT. 1" = 10'



PROPOSED CENTERLINE PROFILE OF ACCESS ROAD
STATION 2+75 TO 5+50
SCALE: HORIZ. & VERT. 1" = 10'

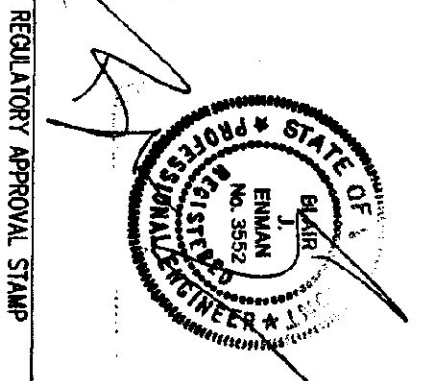
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ACCESS
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CENTERLINE
PROFILE

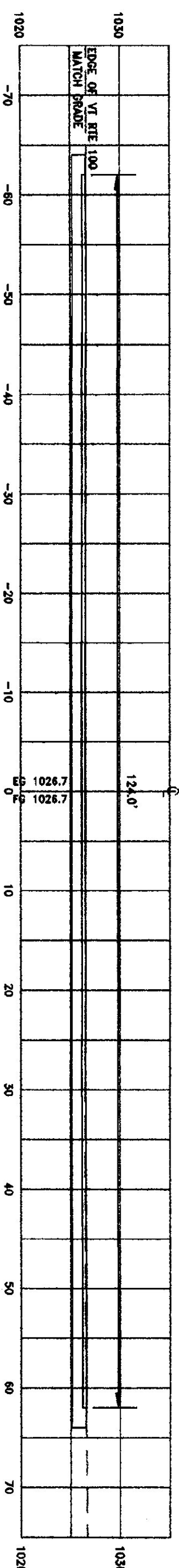
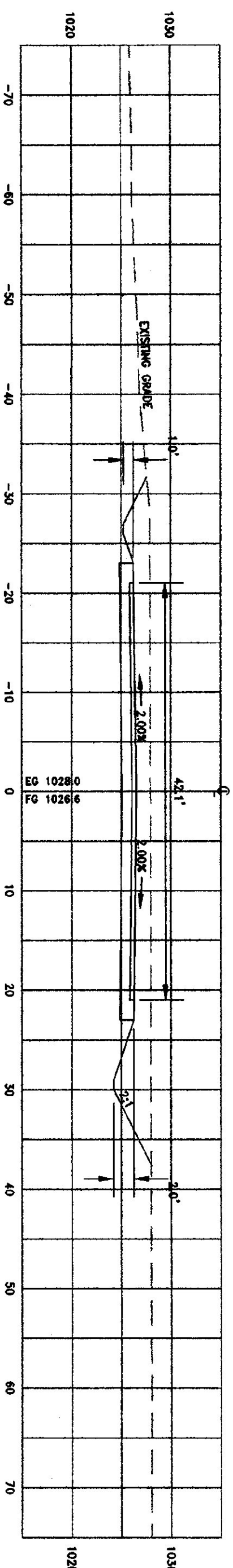
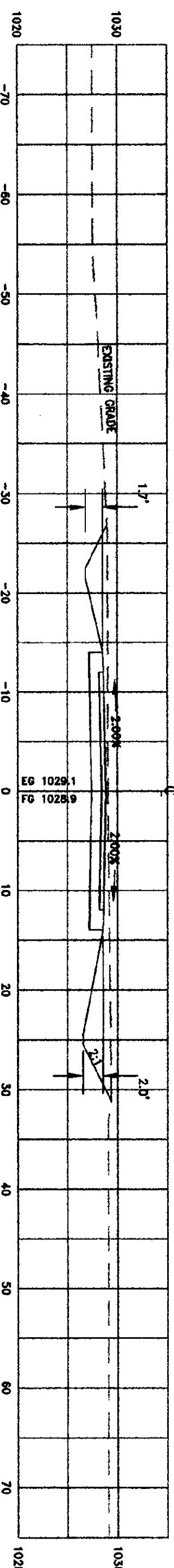
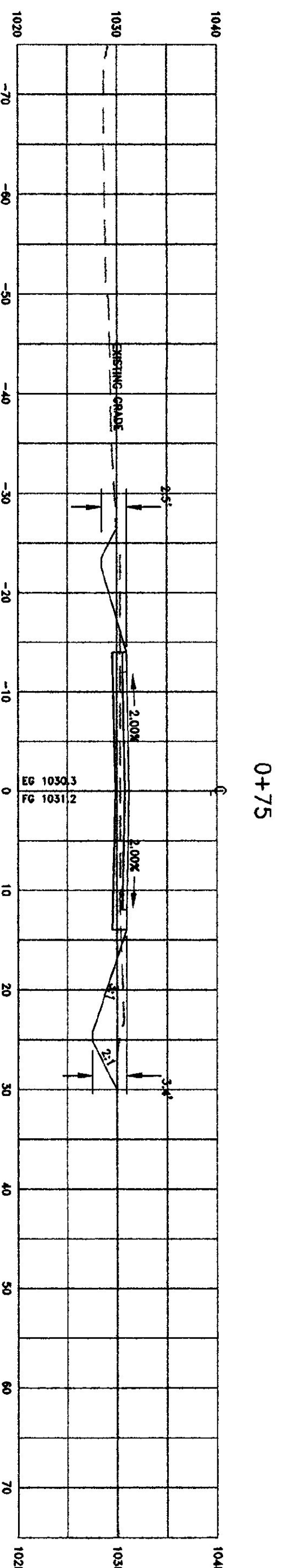
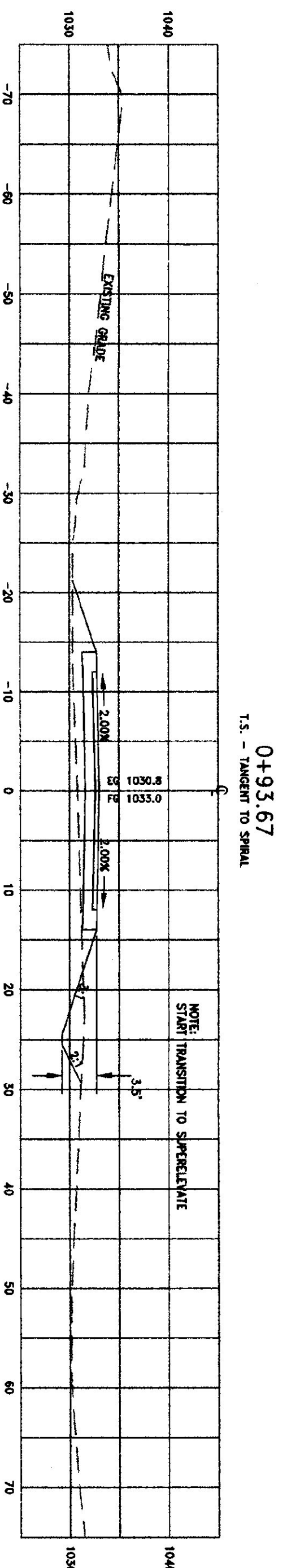
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DRAWN BY: JBT

SHEET NO: G-2

PROJECT NO: 9411

REVISIONS:



0+93.67
T.S. - TANGENT TO SPIRAL

NOTE: START TRANSITION TO SUPERELEVATE

0+75

0+50

0+25

0+00

0+00

PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

SCALE: HORIZ. & VERT. 1" = 10'

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No. 8893

ACCESS
ROAD
X-SECTIONS

SCALE: AS SHOWN

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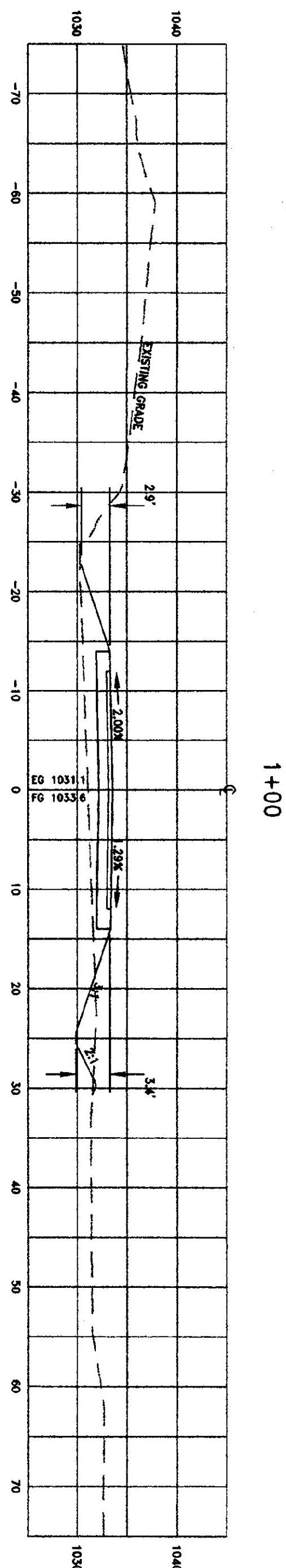
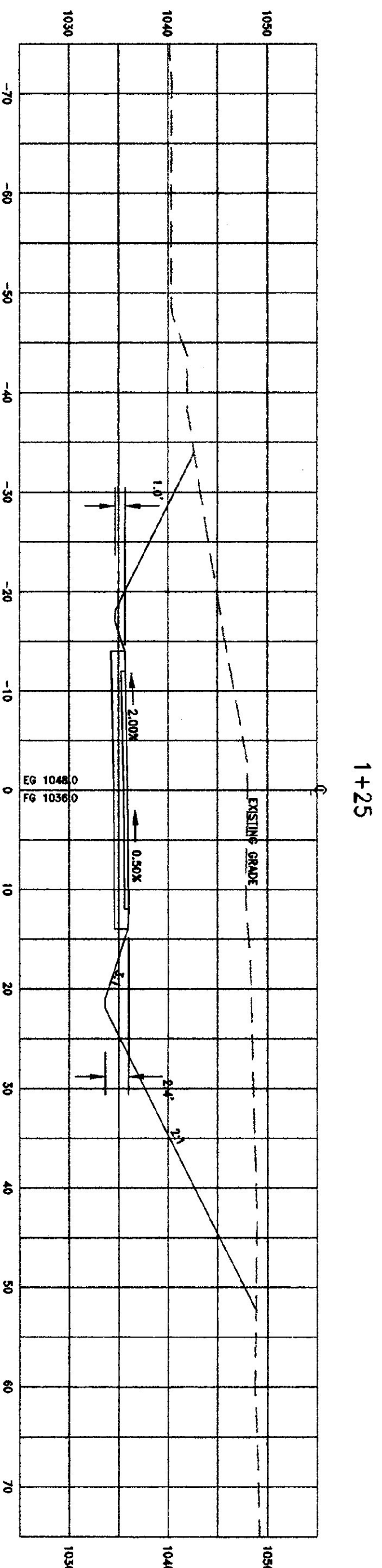
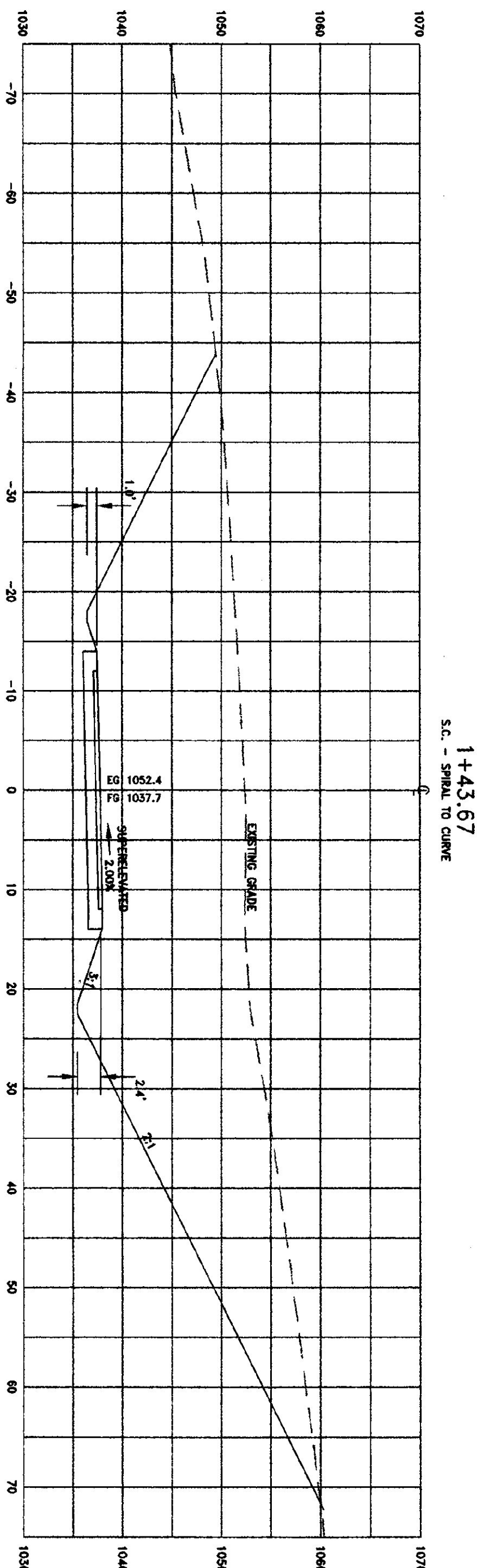
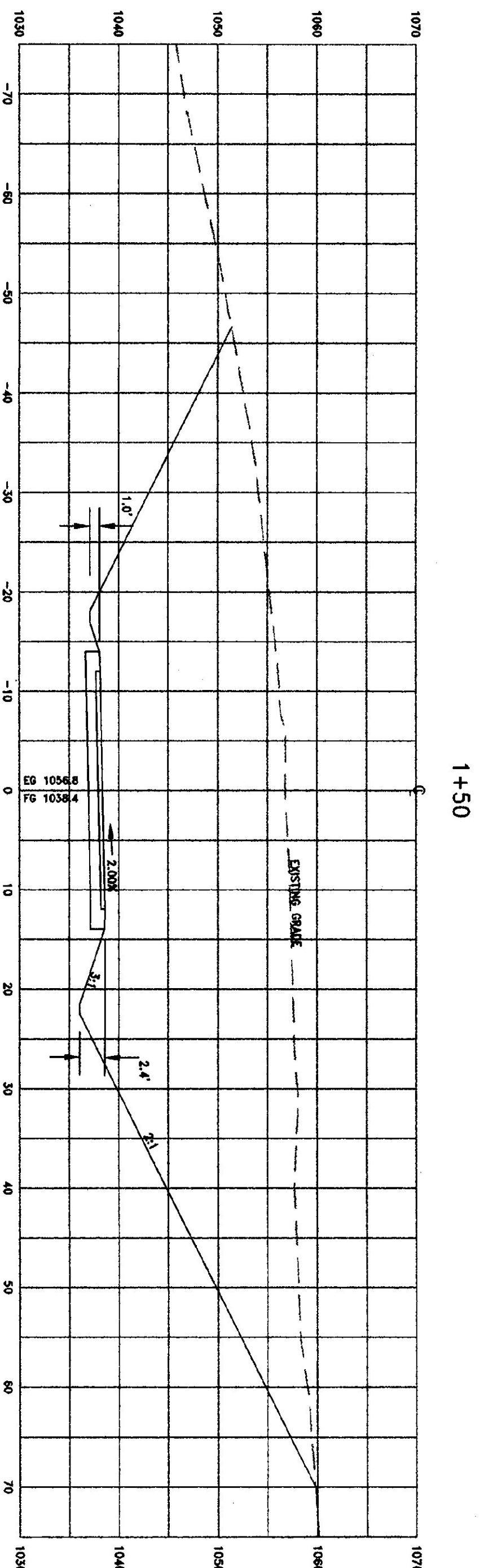
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DRAWN BY: JBT

SHEET NO: G-3

PROJECT NO: 9411

REVISIONS:



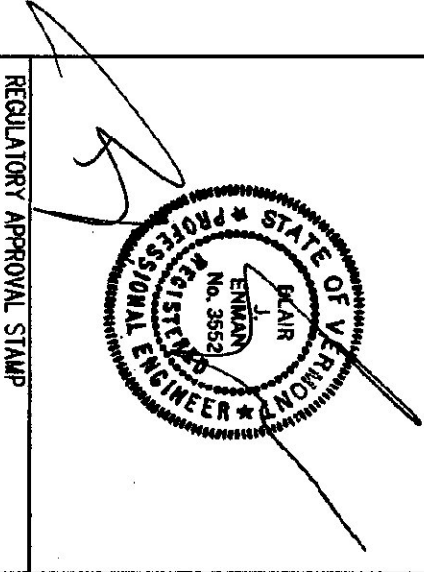
PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

SCALE: HORIZ. & VERT. 1" = 10'

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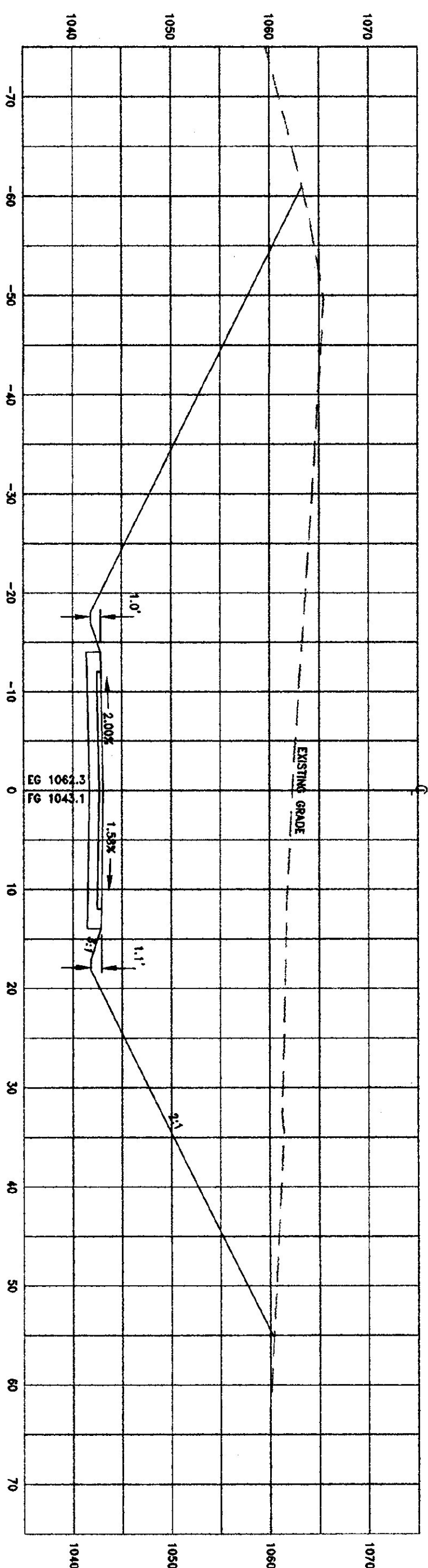


ACCESS ROAD X-SECTIONS

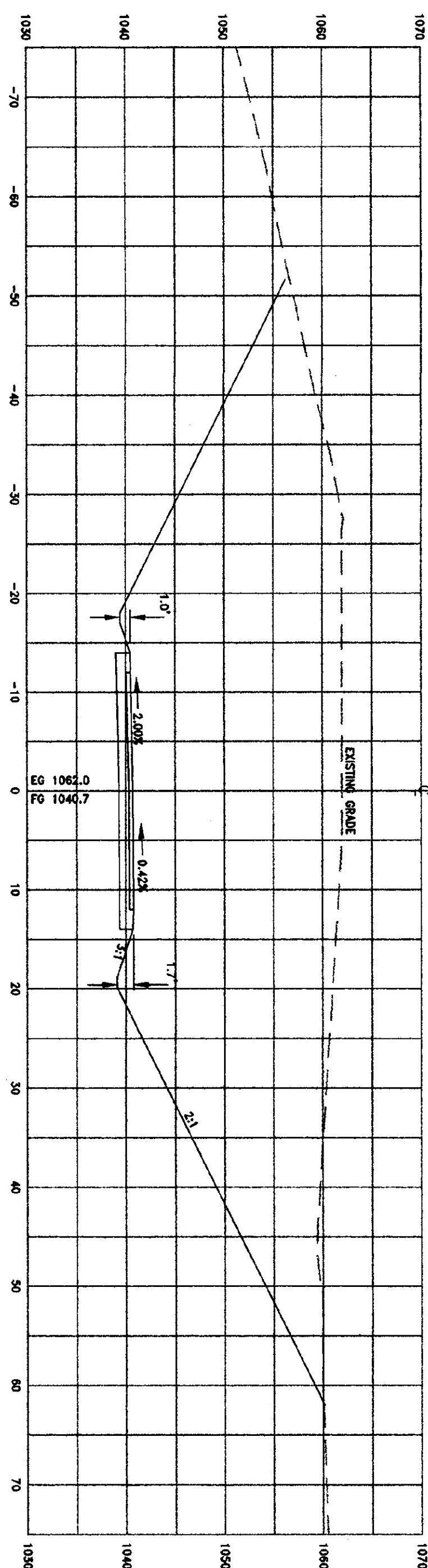
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 PROJECT NO: 9411

REVISIONS:

2+00

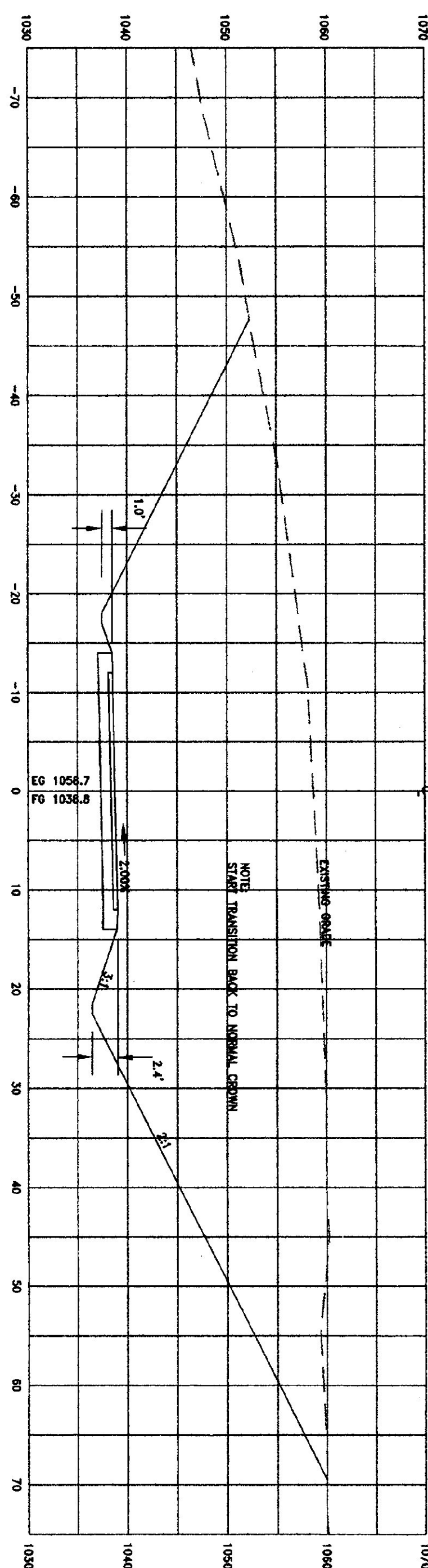


1+75



1+54.82

C.S. - CLINE TO SHOULDER



NOTE: STAKE TRANSFERRED BACK TO ORIGINAL CORNER.

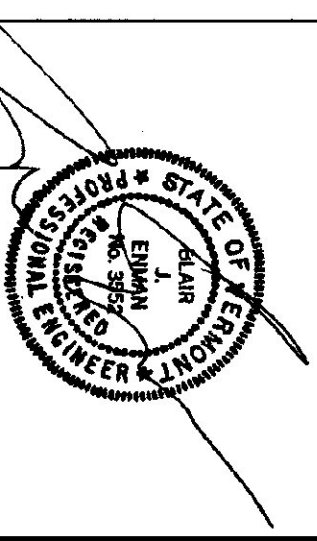
PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

SCALE: HORIZ. & VERT. 1" = 10'

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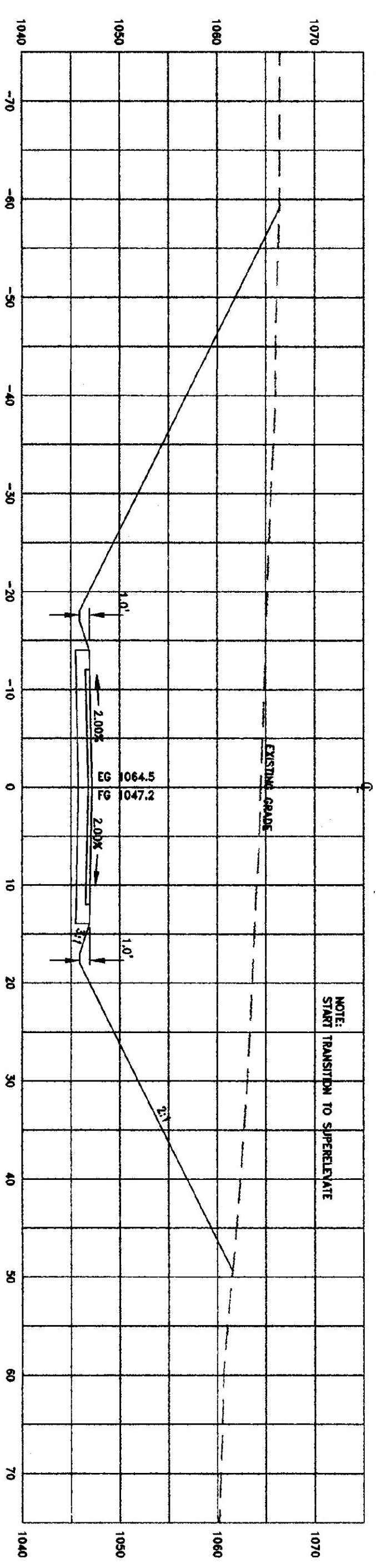
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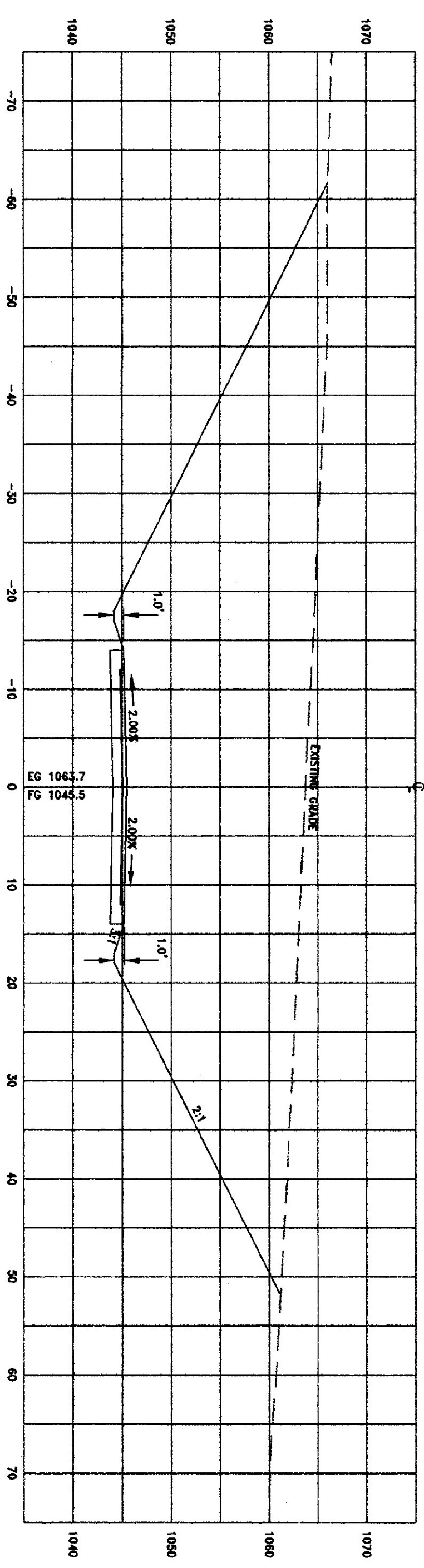
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ACCESS ROAD X-SECTIONS

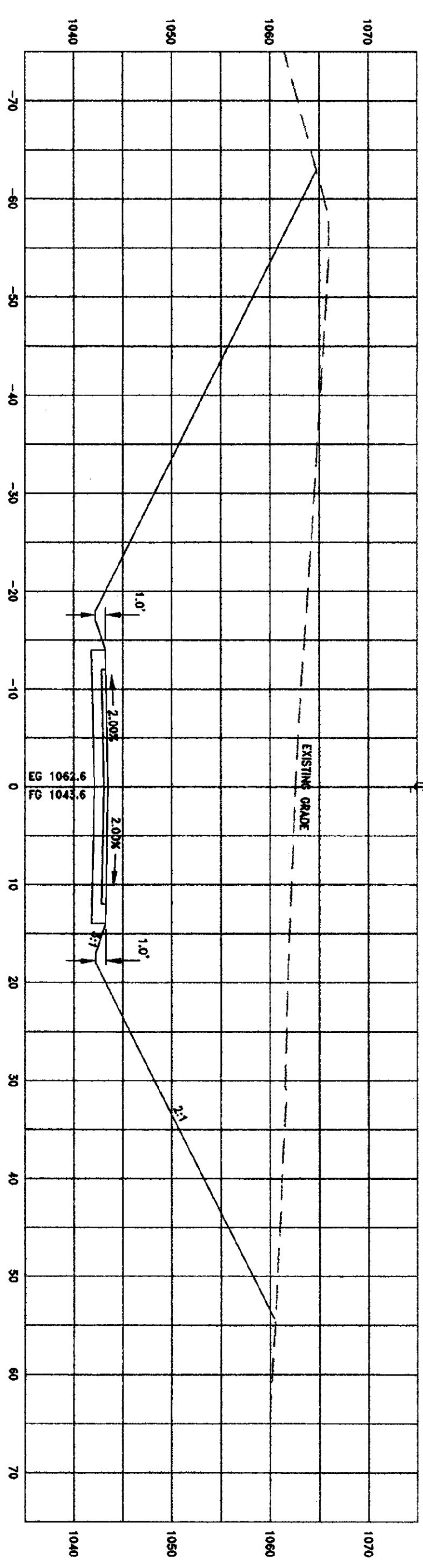
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DRAWN BY:	JBT
SHEET NO:	G-5
PROJECT NO:	9411



2+42.75
1% - TANGENT TO SPIRAL



2+25



2+04.82
1% - SPIRAL TO TANGENT

PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

SCALE: HORIZ. & VERT. 1" = 10'

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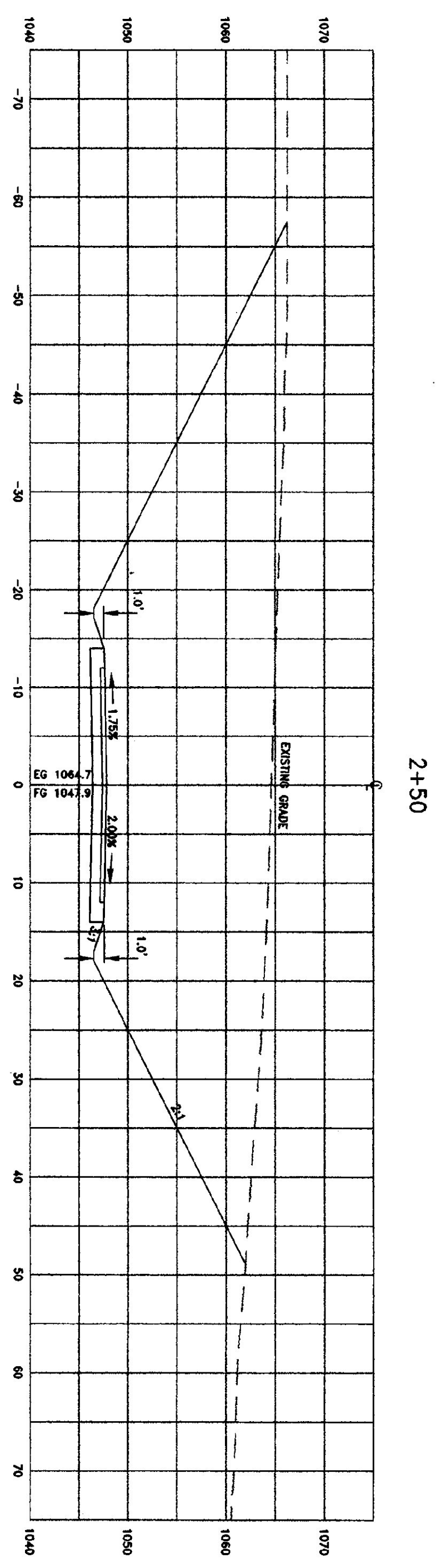
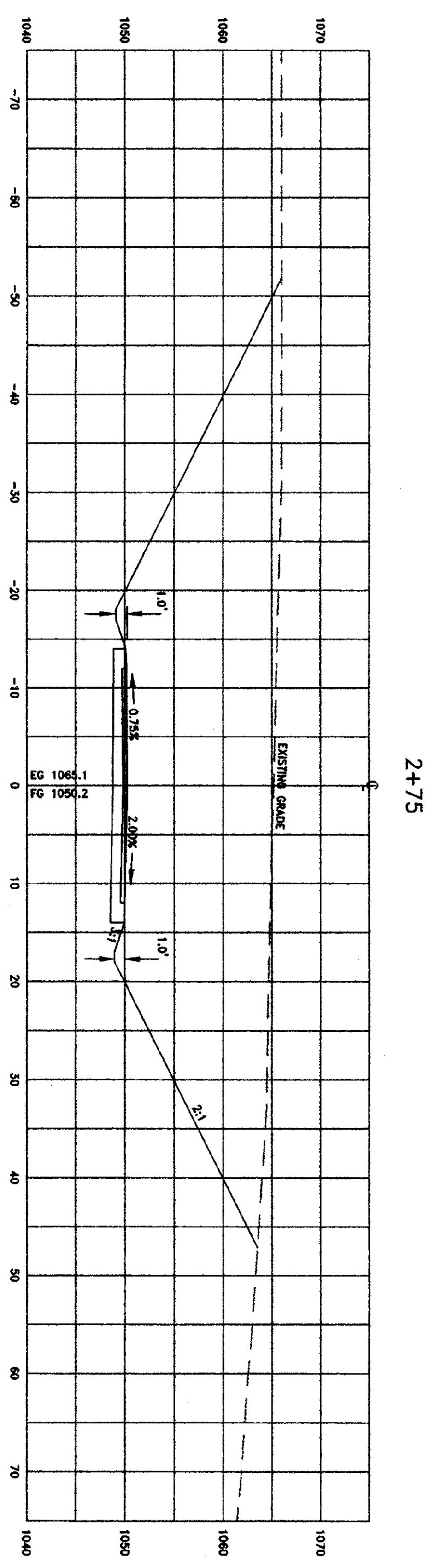
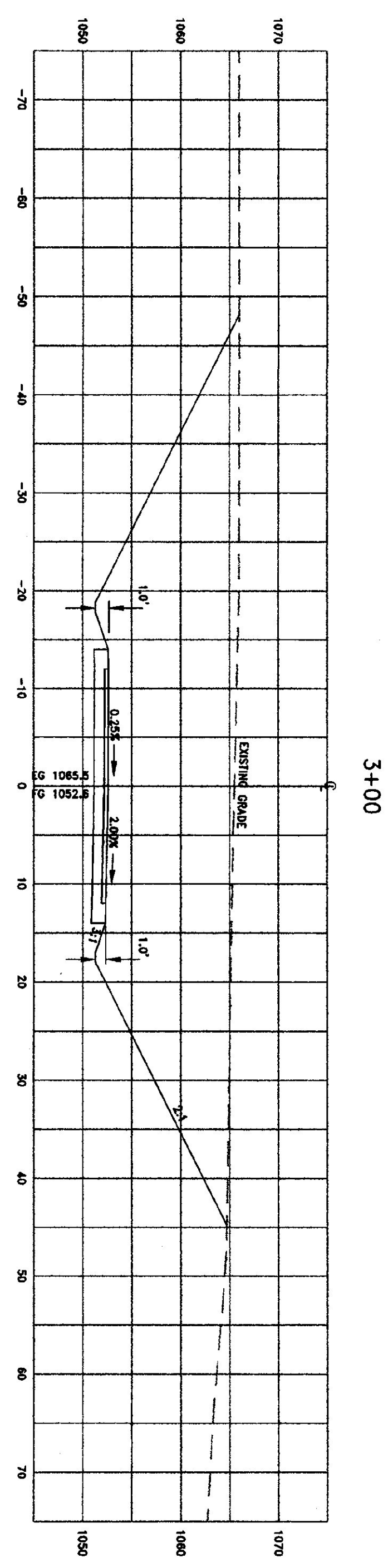
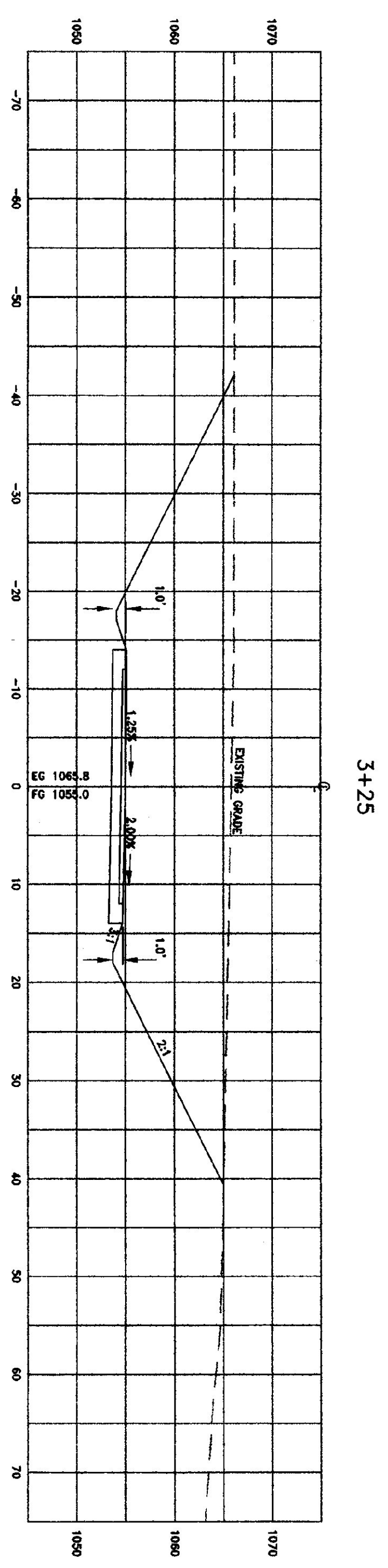


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ACCESS
ROAD
X-SECTIONS

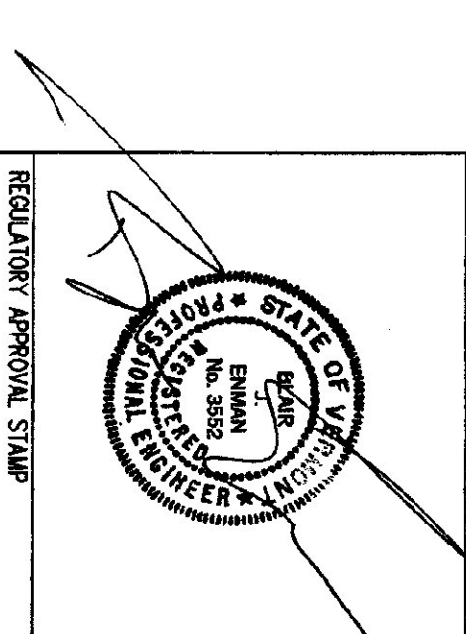
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DRAWN BY: JBT
SHEET NO: G-6
PROJECT NO: 9411

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ACCESS
 ROAD
 X-SECTIONS

SCALE: AS SHOWN
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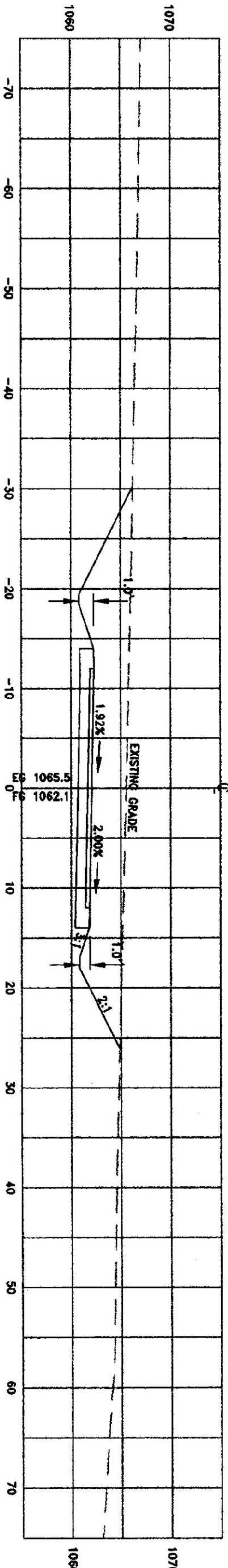
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 SHEET NO: G-7
 PROJECT NO: 9411

PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

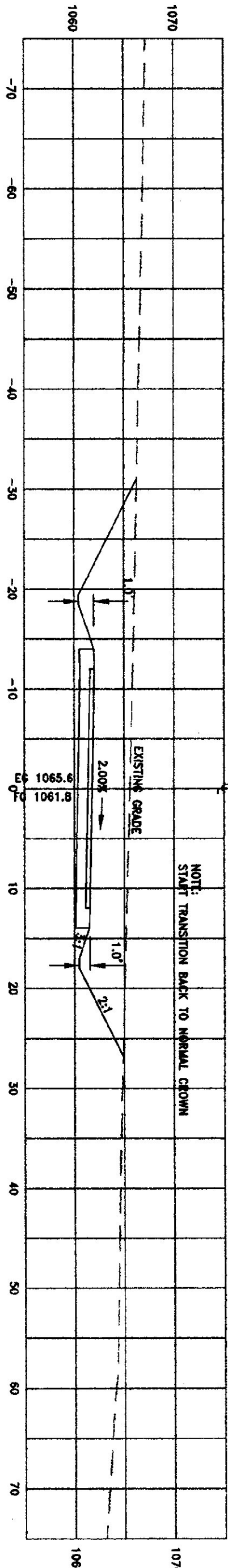
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REVISIONS:

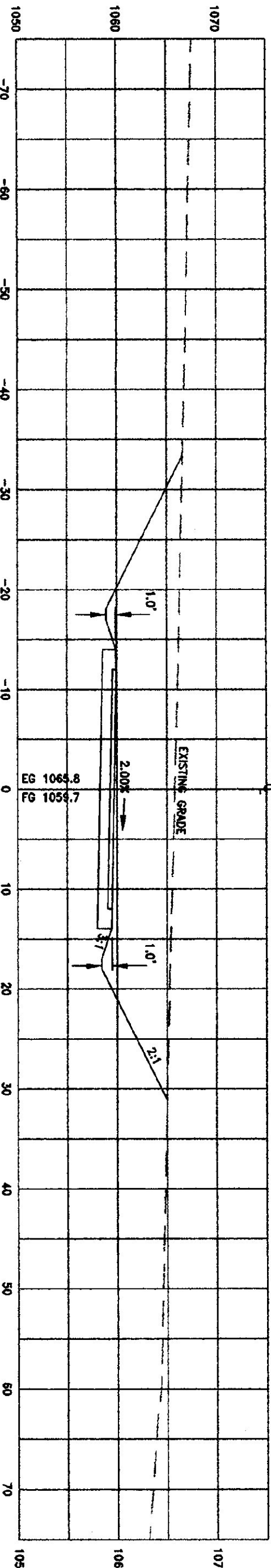
4+00



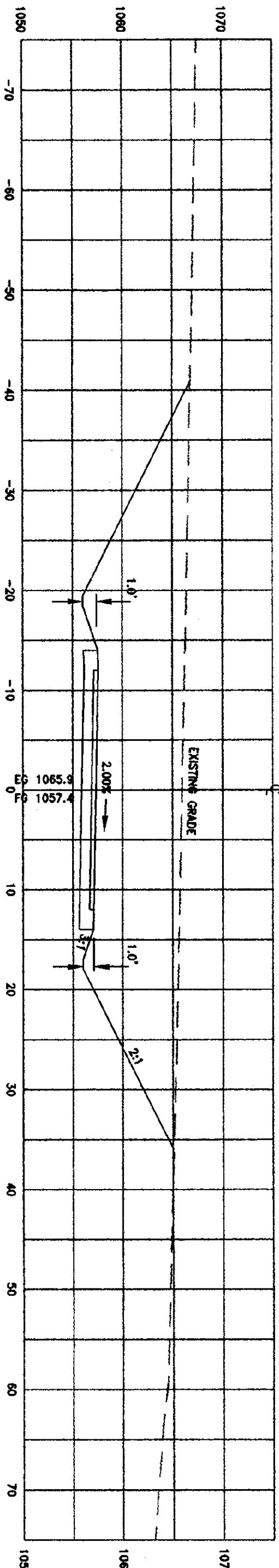
3+96.65
C.S. - CURVE TO SPIRAL



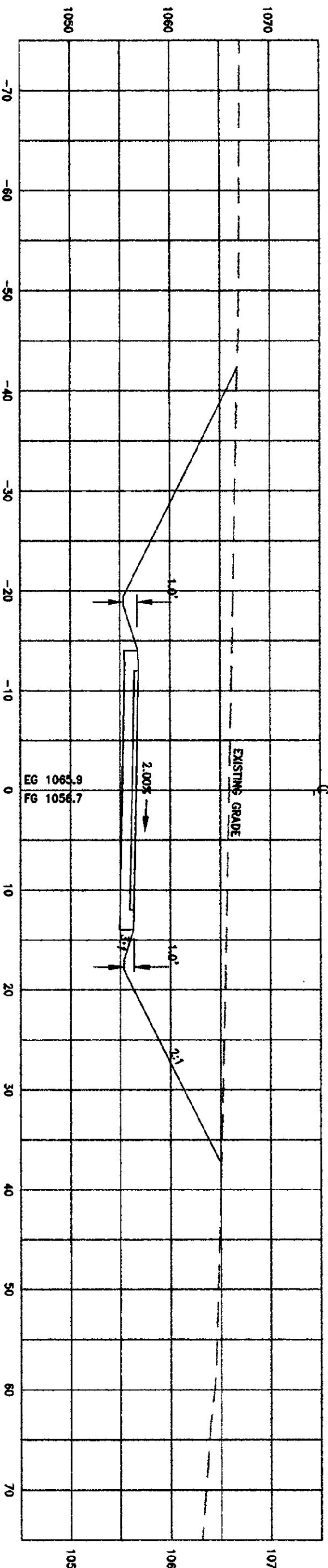
3+75



3+50



3+42.75
S.S. - SPIRAL TO CURVE



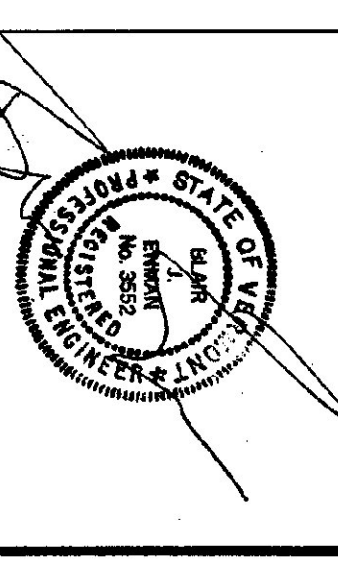
PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

SCALE: HORIZ. & VERT. 1" = 10'

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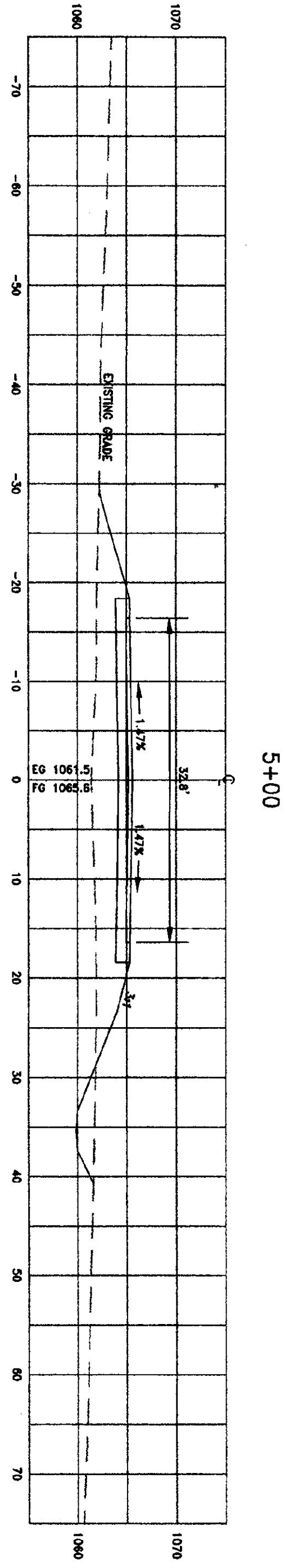


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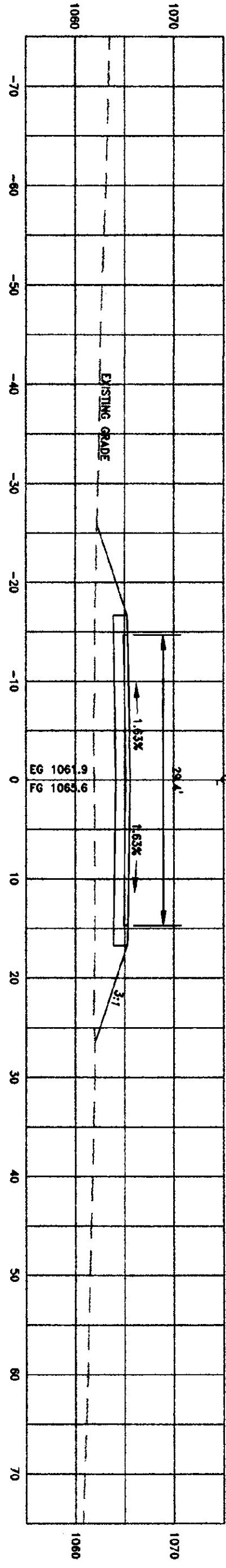
ACCESS ROAD X-SECTIONS

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DESIGN BY:	BJE
DRAWN BY:	JBT
SHEET NO.:	G-8
PROJECT NO.:	9411

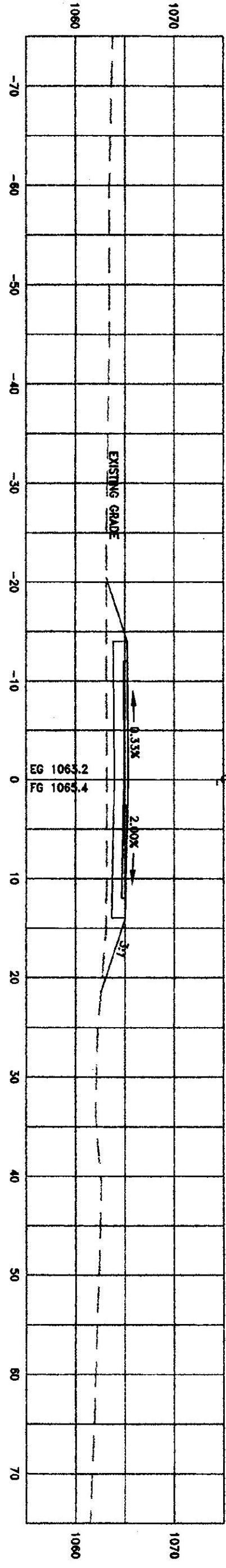
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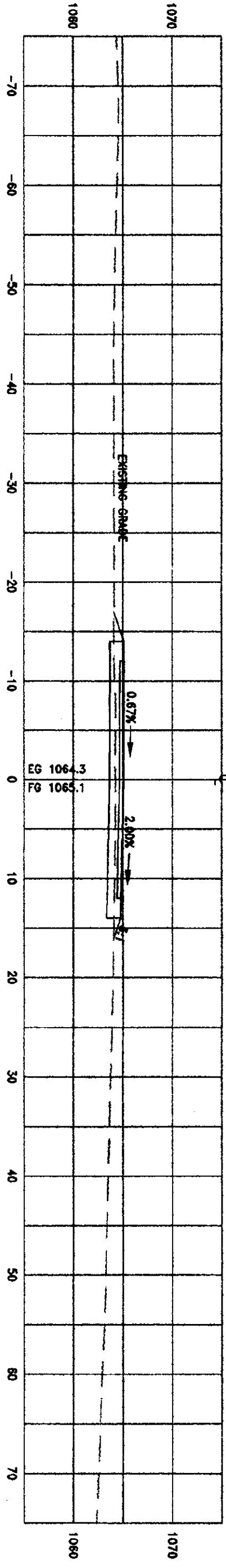
4+96.65
S.T. - STRIP TO TANKER



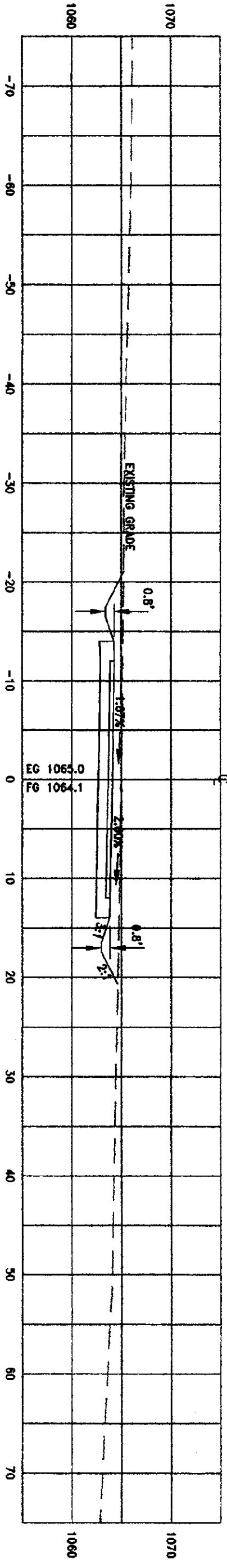
4+75



4+50



4+25



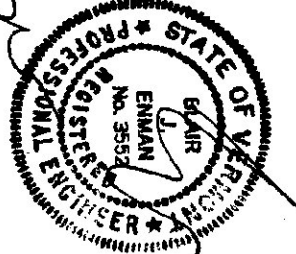
PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

SCALE: HORIZ. & VERT. 1" = 10'

VERMONT
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HIGHWAY
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REGULATORY APPROVAL STAMP

ACCESS
ROAD
X-SECTIONS

SCALE: AS SHOWN

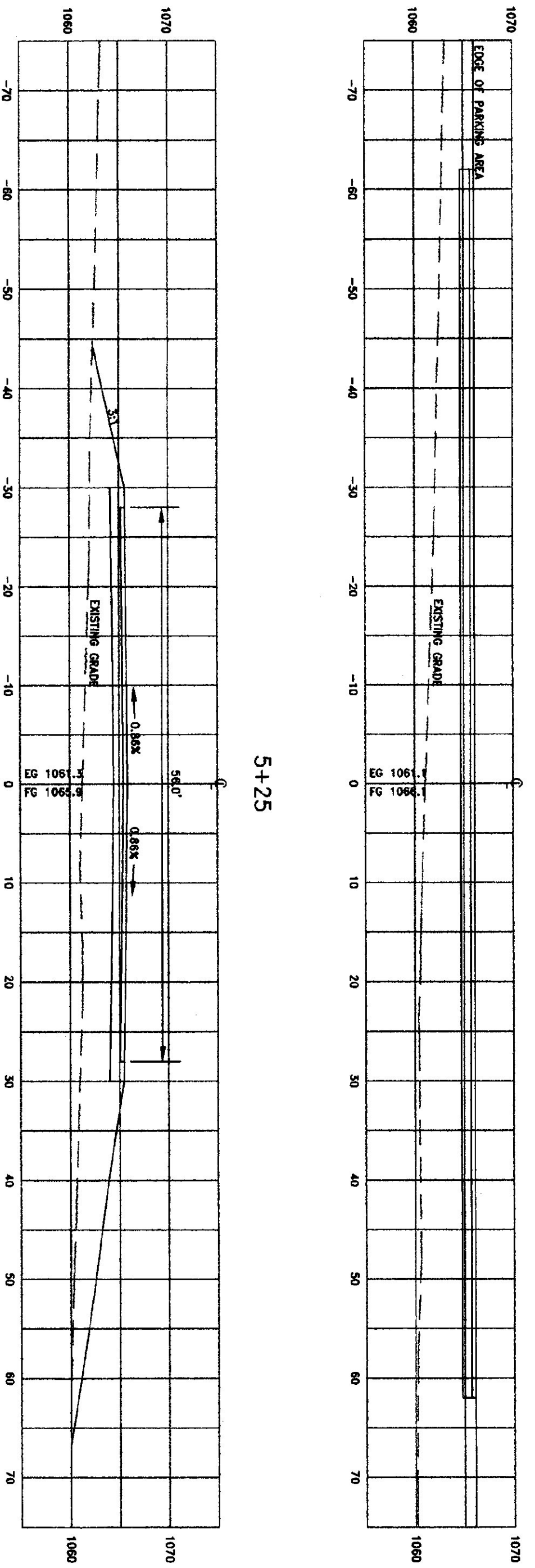
DATE: 06/11/98

DESIGN BY: BJE

DRAWN BY: JBT

SHEET NO: G-9

PROJECT NO: 9411



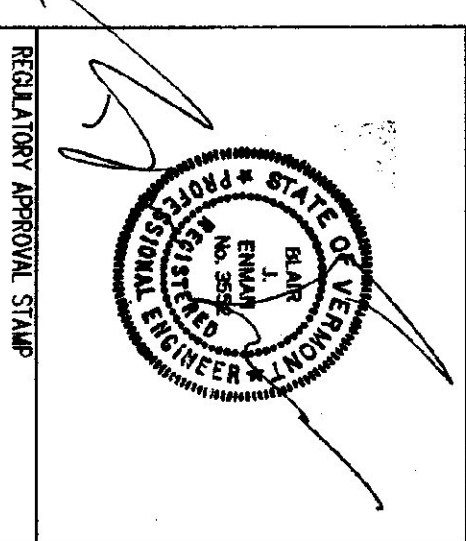
PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD
SCALE: HORIZ. & VERT. 1" = 10'

REVISIONS:

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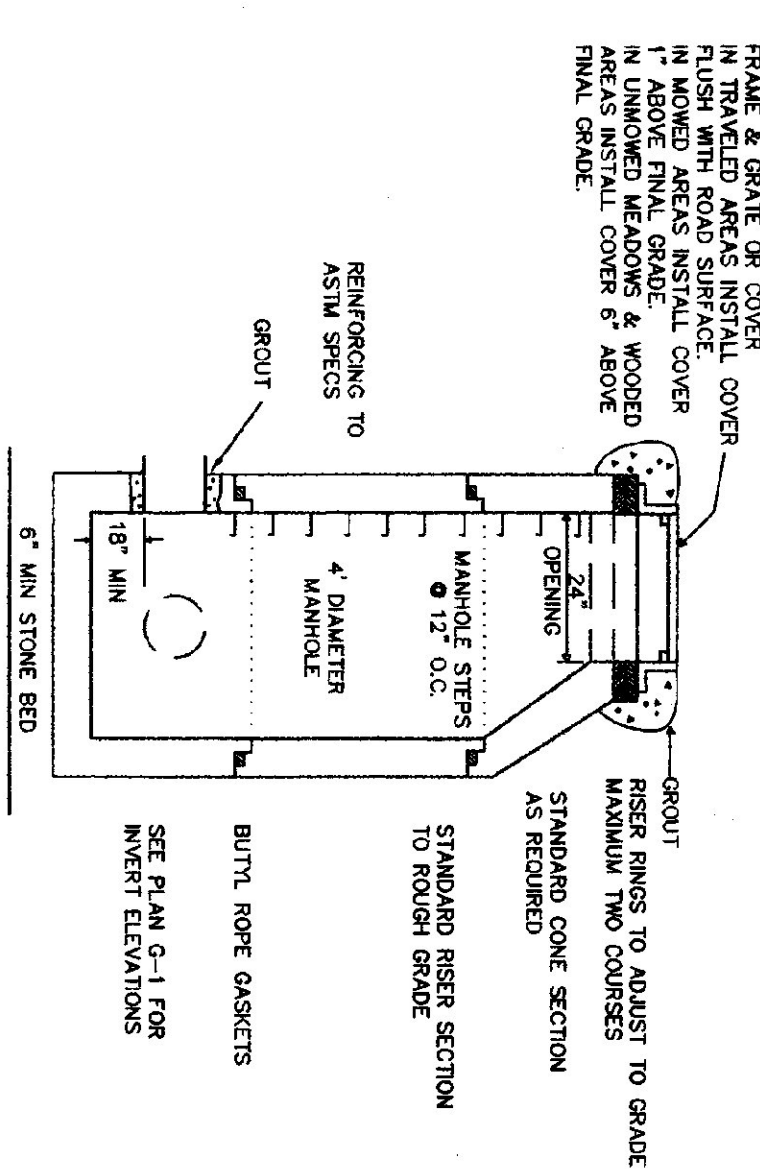
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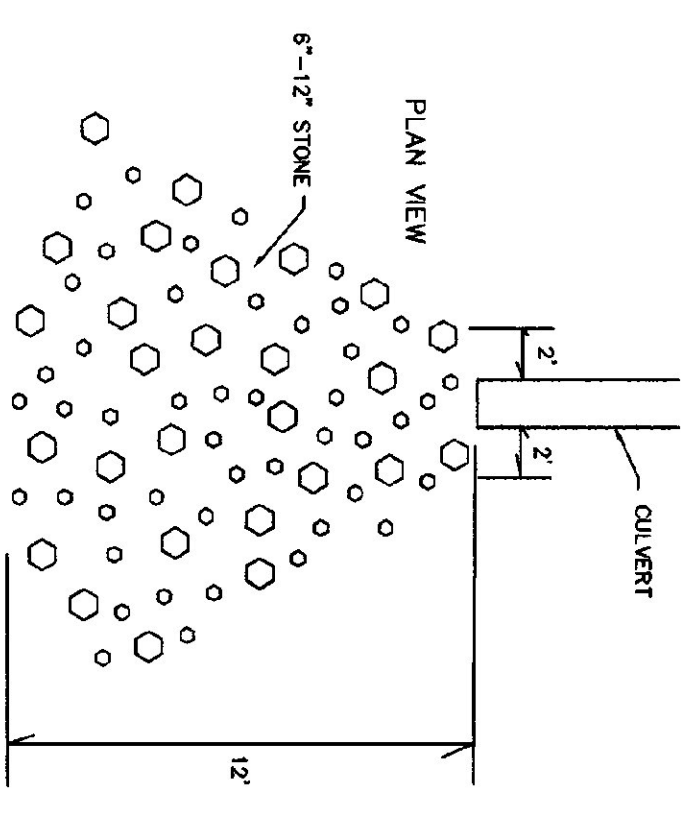
ACCESS
ROAD
X-SECTIONS

SCALE: AS SHOWN
DATE: 06/11/98
DESIGN BY: BJE
DRAWN BY: JBT
SHEET NO: G-10
PROJECT NO: 9411

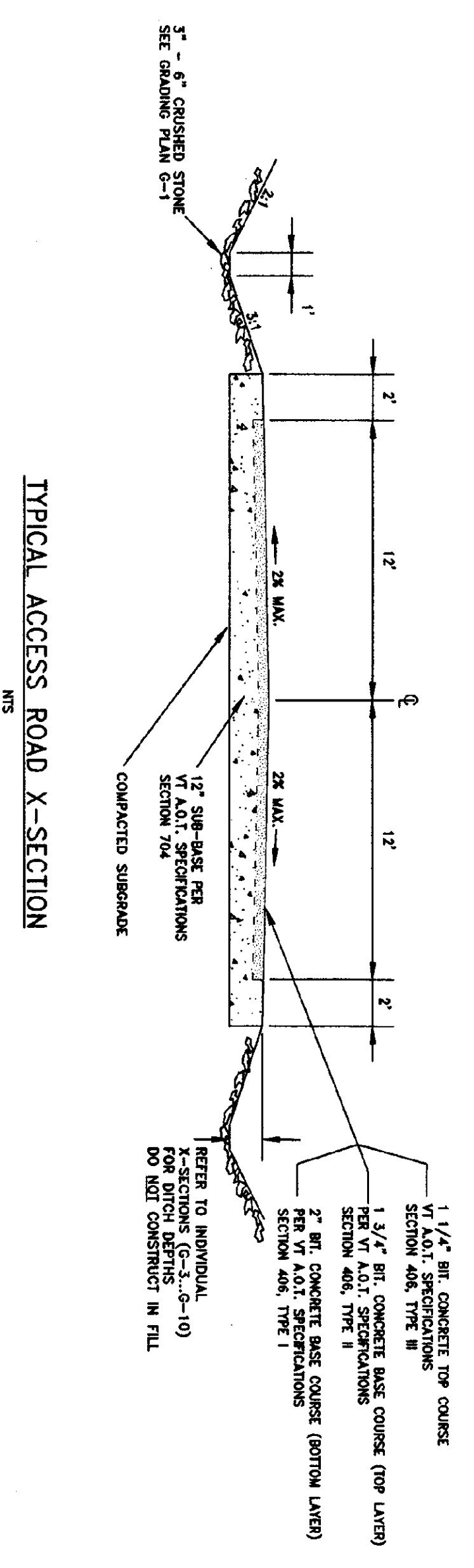
NOTE:
STORMWATER CATCH BASINS AND MANHOLES SHALL BE BUILT IN ACCORDANCE WITH PLAN SHEET D-15 OF THE VERMONT DEPARTMENT OF HIGHWAYS STANDARDS. IF THE STATE'S DESIGN STANDARDS ARE NOT SPECIFIED, THE DESIGN STANDARDS SHALL INDICATE. ALSO REFER TO SECTION 604.04 OF THE VT A.O.T. STANDARD SPECIFICATIONS FOR CONSTRUCTION BOOK.



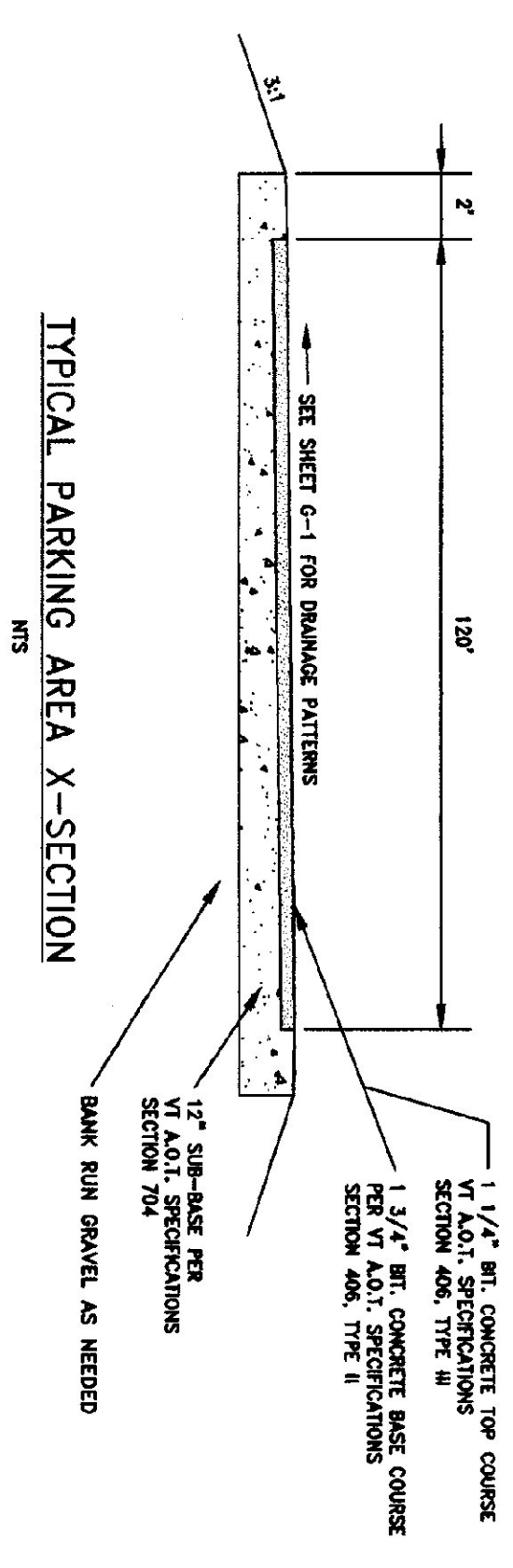
PRECAST CATCH BASIN W/ CAST IRON GRATE
PRECAST MANHOLE W/ CAST IRON COVER
NTS



STONE LINED CULVERT OUTLET
AT STA. 1+34
SEE GRADING PLAN G-1
NTS



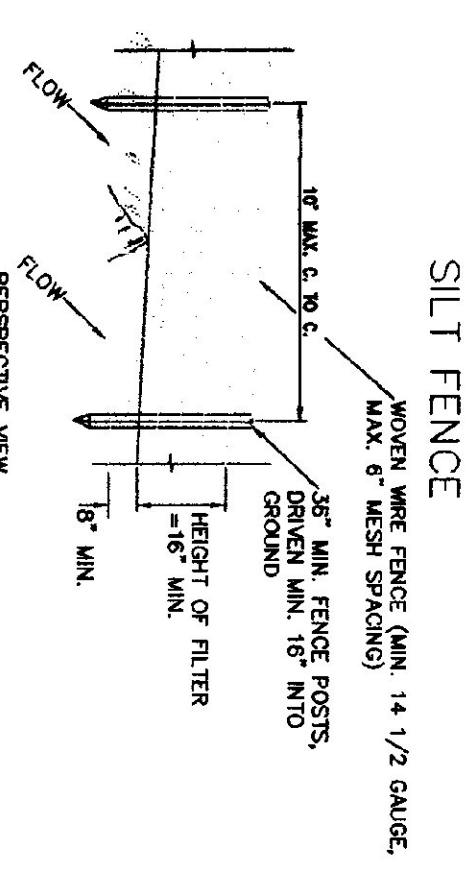
TYPICAL ACCESS ROAD X-SECTION
NTS



TYPICAL PARKING AREA X-SECTION
NTS

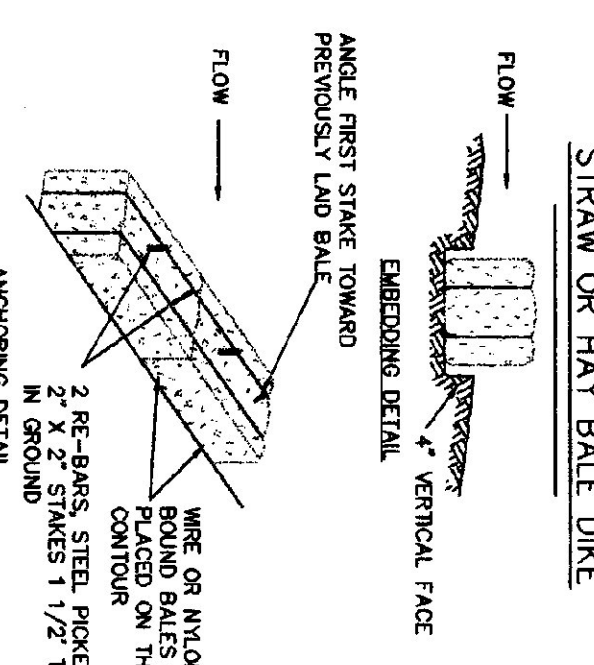
GENERAL GRADING AND EROSION CONTROL NOTES

GRADING IS SHOWN IN NATURAL AND SUBJECT TO FIELD APPLICATION TO SUIT SPECIFIC ISOLATED SITE CONDITIONS. THE CONTRACTOR MAY MODIFY THE GRADING TO ACCOMMODATE THE REQUIREMENTS OF THE STATE AND FEDERAL AGENCIES. ALL GRADING SHALL BE SEPARATED TO MAINTAIN AND GENERATE DRAINAGE PATTERNS SHALL NOT BE SIGNIFICANTLY ALTERED. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY GRADING CHANGES PRIOR TO EXCAVATION IN THE AREA IN QUESTION. EROSION CONTROLS ARE CONCEPTUAL. THE CONTRACTOR SHALL OBTAIN A COPY OF THE VERMONT HANDBOOK FOR SOIL EROSION CONTROL AND EROSION CONTROL MEASURES FROM THE VERMONT DEPARTMENT OF HIGHWAYS. THE CONTRACTOR SHALL THOROUGHLY FAMILIAR WITH THE REQUIREMENT AND PROCEDURES CONTAINED THEREIN. THE CONTRACTOR SHALL UPGRADE ANY AND ALL PROCEDURES NECESSARY TO CONTROL EROSION AND SEDIMENTATION ON AND OFF THE SITE. THE CONTRACTOR SHALL NOT BE LIMITED TO THE METHODS AND PROCEDURES WITHIN THE HANDBOOK AND SHOWN ON THESE PLANS AND MAY USE ADDITIONAL MEASURES AS REQUIRED. ALL CULVERTS SHALL HAVE HEADWALL INLETS AND STONE LINED. ALL CULVERTS SHALL BE CONSTRUCTED TO PROVIDE SEDIMENTATION DURING CONSTRUCTION. WHERE THE FOREMENION ARE NOT POSSIBLE THE DRAINAGE SHALL BE CONSTRUCTED TO PROVIDE SEDIMENTATION DURING CONSTRUCTION TO FORM A TEMPORARY SEDIMENT TRAP.



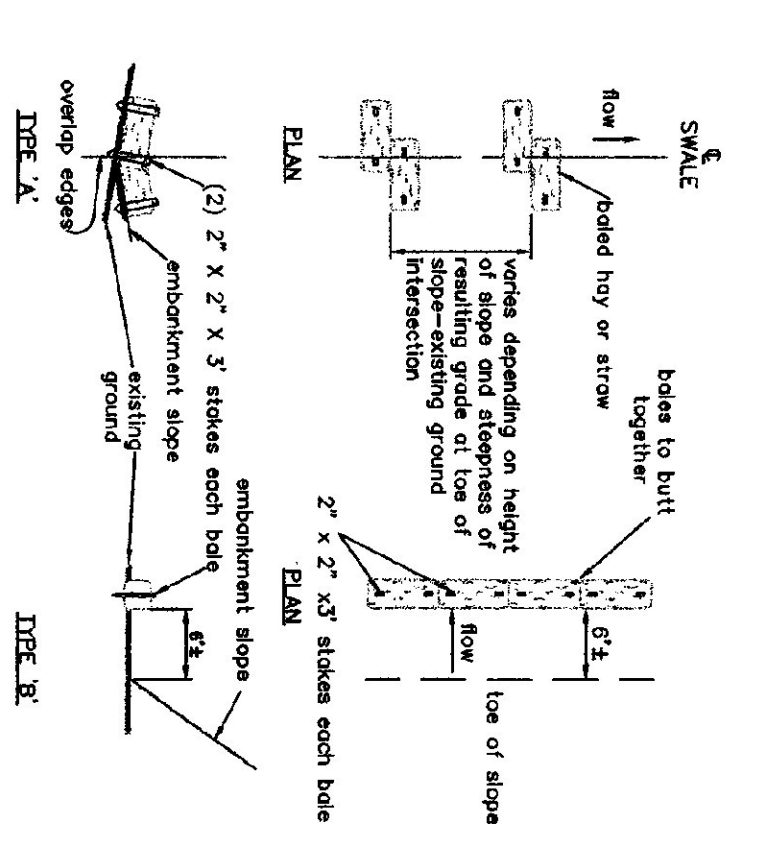
SILT FENCE

- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
1. Woven wire fence to be fastened securely to
 2. Fence posts with wire ties or staples.
 3. Fence cloth to be fastened securely to woven wire fence with ties spaced every 24\"/>
 - 4. Maintenance shall be performed on needed and



STRAW OR HAY BALE DIKE

- CONSTRUCTION SPECIFICATIONS
1. Bales shall be placed in a row with ends tightly
 2. Each bale shall be embedded in the soil a minimum of 4\"/>
 - 3. Fenders driven through the bales. In the first stake in each
 - 4. The bales shall be angled toward previously laid bales to force
 - 5. Bales shall be removed when they have served their



BALED HAY OR STRAW EROSION CHECKS

VERMONT
AGENCY OF TRANSPORTATION
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REGULATORY APPROVAL STAMP

GRADING
&
STORMWATER
DETAILS

SCALE: AS SHOWN

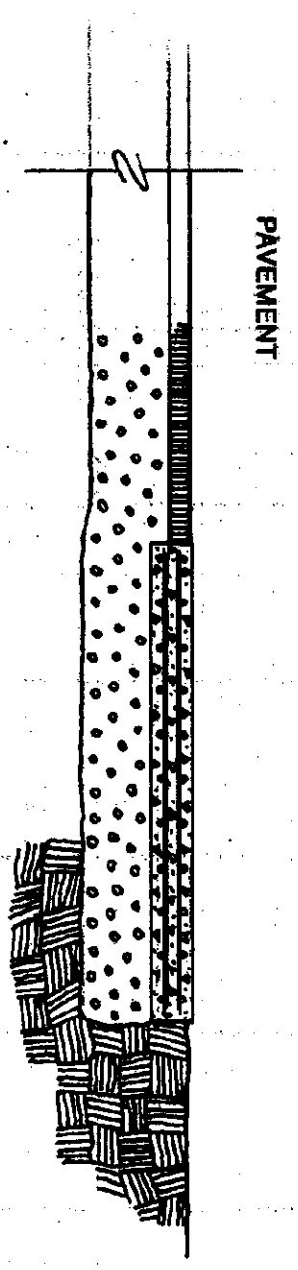
DATE: 06/11/98

DESIGN BY: BJE

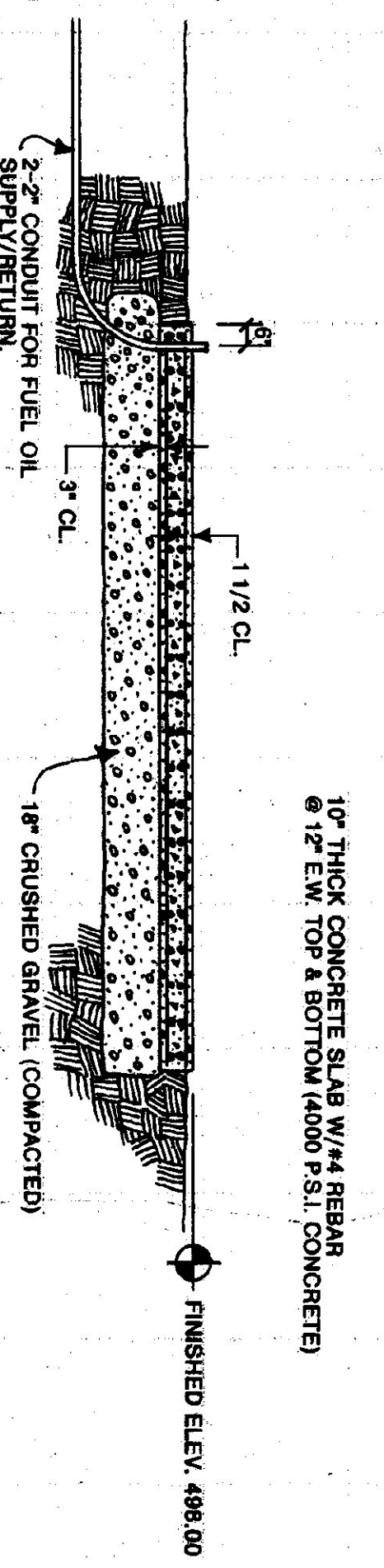
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SHEET NO: G-11

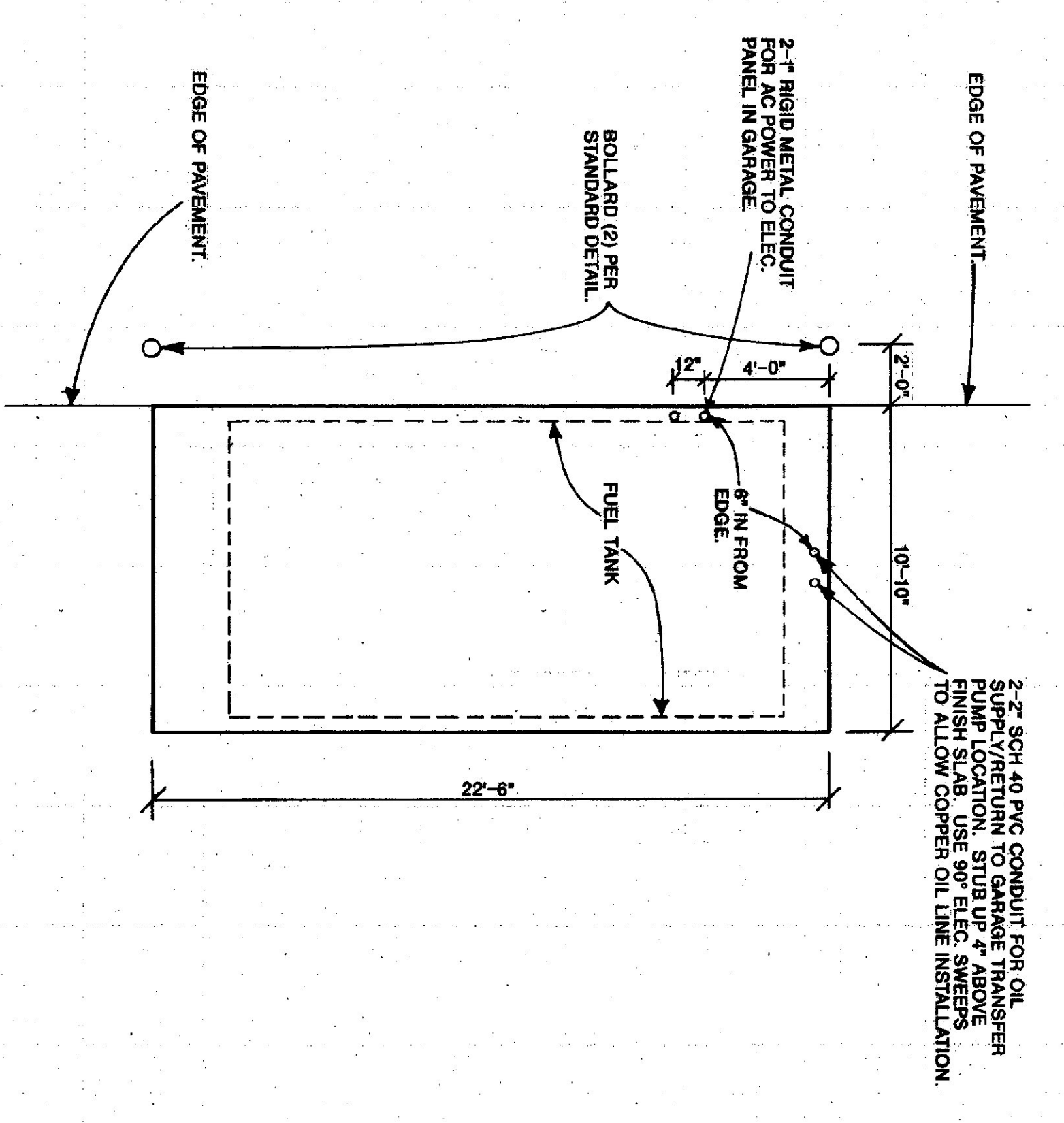
PROJECT NO: 9411



SLAB END VIEW SECTION
SCALE: 1/4" = 1'-0"



SLAB SIDE VIEW SECTION
SCALE: 1/4" = 1'-0"

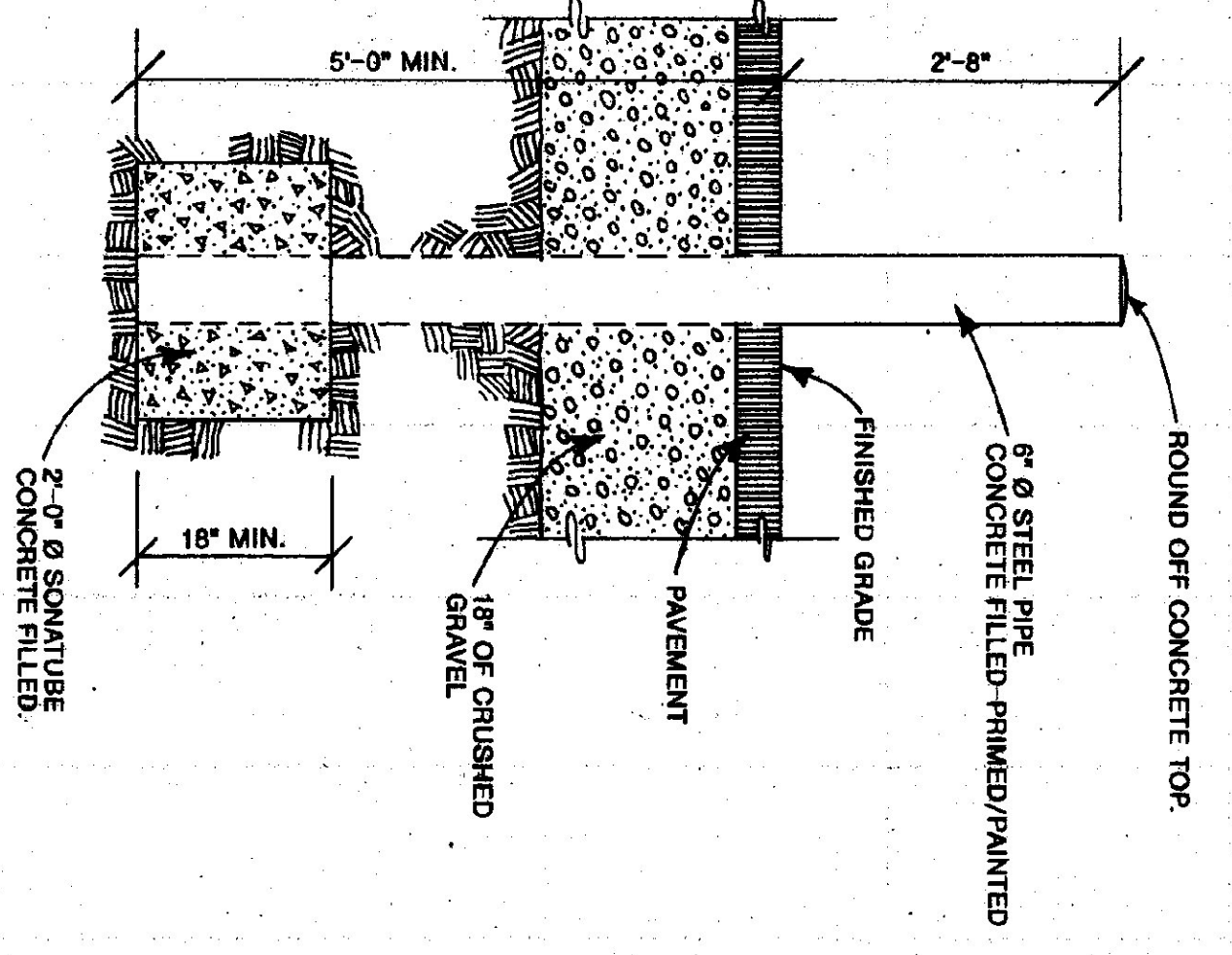


PLAN VIEW OF TANK PAD
SCALE: 1/4" = 1'-0"

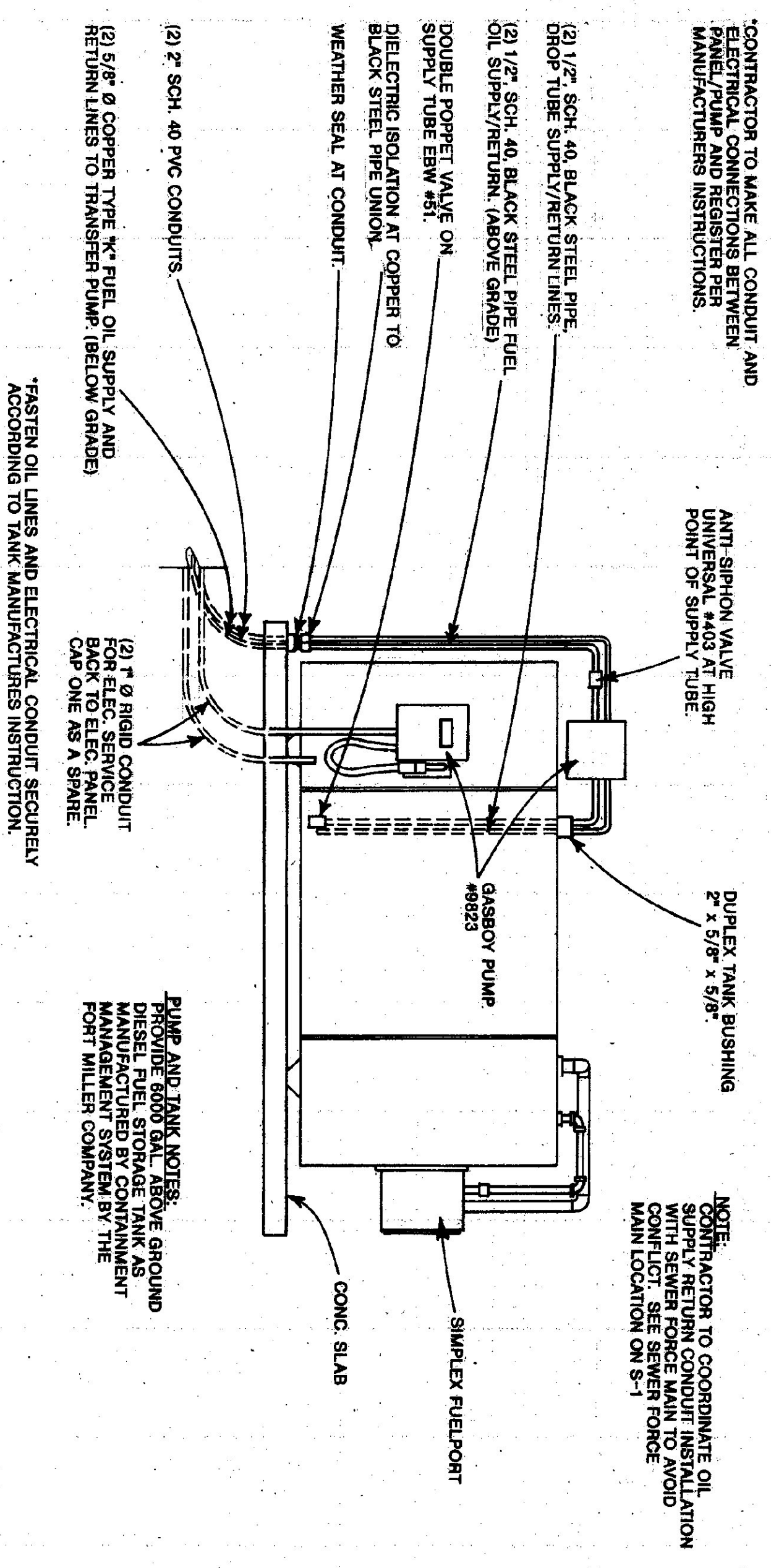
- NOTES:**
1. BOX CUT NATIVE MATERIAL TO APPROPRIATE SIZE. DEPTH, PLACE 6" LAYERS OF SPECIFIED SUB-BASE AND COMPACT TO 95% MOD. PRODUCTION.
 2. THE REINFORCING STEEL, AS NOTED.
 3. PLACE OIL SUPPLY CONDUIT ON EAST END 12" FROM EDGE OF SLAB TO INSIDE EDGE OF CONDUIT (CENTERED IN WIDTH OF SLAB).
 4. PLACE RIGID ELEC. CONDUIT FROM ELEC. PANEL BACK TO S. W. CORNER OF CONCRETE SLAB AS SHOWN ON DRAWING.
 5. SEAL ALL CONDUITS EXPOSED TO WEATHER TO PREVENT MOISTURE FROM ACCUMULATING IN CONDUIT. USE MECHANICAL SEALS OR APPROVED CAULKING ON EXPOSED CONDUITS OR AROUND FUEL LINES.
 6. POUR 4000 P.S.I. CONCRETE AND LIGHT BROOM FINISH.
 7. FUEL TANK SLAB TO COMPLY WITH TANK MANUFACTURERS REQUIREMENT.

6000 GAL. ABOVE GROUND FUEL STORAGE TANK PAD
SCALE: 1/4" = 1'-0"

- ACCESSORIES TO INCLUDE:**
- RESERVE FILL - 1" DIA. 1/2" SPEED SIMPLEX FUEL PORT SIDE MOUNT FILL/SPILL - 2" OUTLET - 7 GALLON (OR EQUAL), 2" DIA. DROP TUBE.
 - AST OVERFILL PREVENTION VALVE.
 - GASBOY #8223 3/4 HP COMMERCIAL PUMP W/REMOTE LOD REGISTER, GAS BOY REMOTE REGISTER TANK MOUNT KIT.
 - 1 1/2" DIA. STAINLESS STEEL FLEX CONNECTOR, 1 1/2" DIA. STAINLESS STEEL FLEX CONNECTOR, MORRISON 818 CLOCK GAUGE, LOCKABLE FLIP CAP TO STOCK TANK.
 - TANK GAUGE STOCK.
 - KRUEGER MECHANICAL LEAK DETECTION GAUGE.
- VENTING PACKAGE:**
- 2" DIA. UPRIGHT VENT OR PRESSURE-VACUUM VENT 8 OZ. W/PPE.
 - 2" DIA. EMERGENCY VENT 8 OZ.

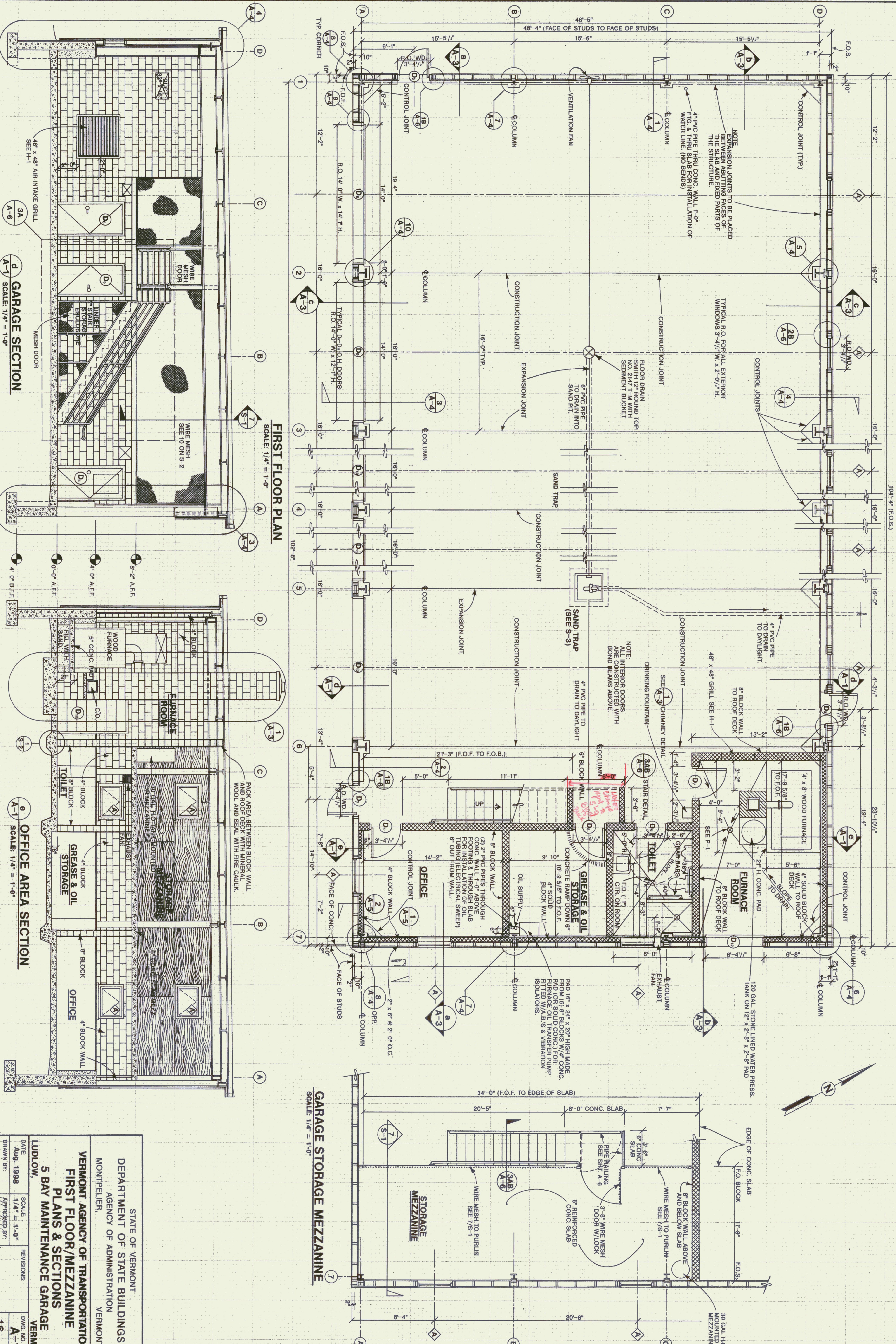


BOLLARD DETAIL
SCALE: 3/4" = 1'-0"



6000 GAL. ABOVE GROUND FUEL STORAGE TANK
SCALE: 1/4" = 1'-0"

STATE OF VERMONT		VERMONT	
DEPARTMENT OF STATE BUILDINGS		VERMONT	
AGENCY OF ADMINISTRATION		VERMONT	
MONTPELIER,		VERMONT	
VERMONT AGENCY OF TRANSPORTATION			
FUEL TANK			
5 BAY MAINTENANCE GARAGE			
LUDLOW,		VERMONT	
DATE:	SCALE:	REVISIONS:	DWG. NO.
Aug. 1998	AS NOTED		F-1
DRAWN BY:	APPROVED BY:		
A. POULIN	[Signature]		15 OF 30



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

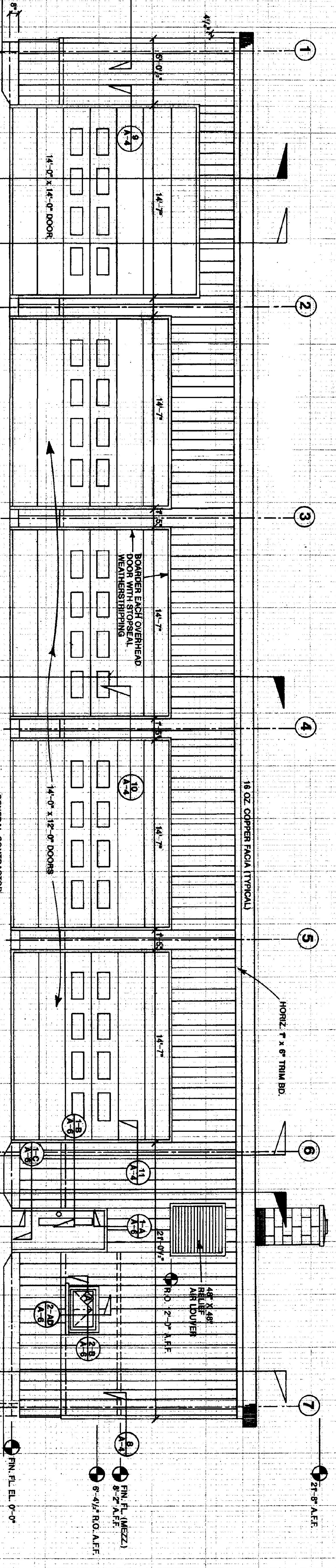
GARAGE SECTION
SCALE: 1/4" = 1'-0"

OFFICE AREA SECTION
SCALE: 1/4" = 1'-0"

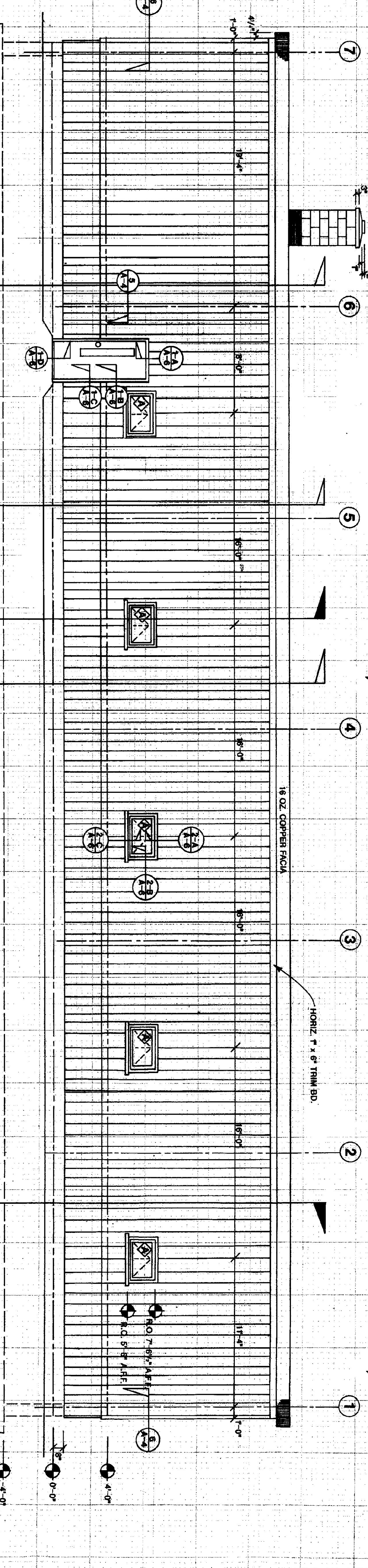
GARAGE STORAGE MEZZANINE
SCALE: 1/4" = 1'-0"

STATE OF VERMONT		DEPARTMENT OF STATE BUILDINGS	
MONTPELIER, VERMONT		AGENCY OF ADMINISTRATION	
VERMONT AGENCY OF TRANSPORTATION			
FIRST FLOOR/MEZZANINE			
5 BAY MAINTENANCE GARAGE			
LUDLOW,	DATE: Aug-1998	SCALE: 1/4" = 1'-0"	DWG. NO. A-1
A. POULIN	DRAWN BY:	APPROVED BY:	REVISIONS:
			DWG. NO. A-1
			16 OF 30

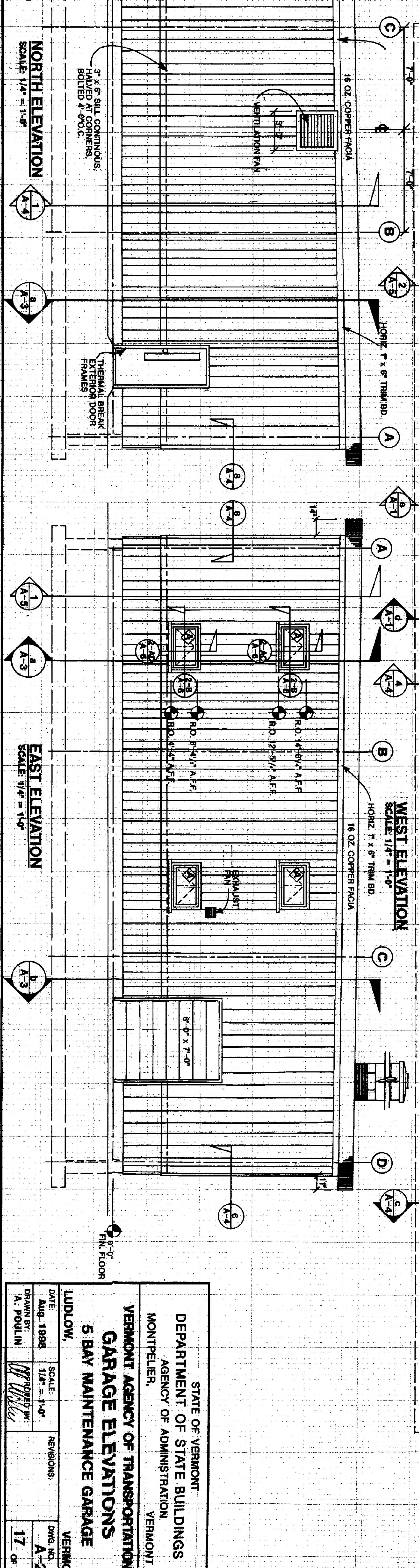
- ABBREVIATIONS**
- A.F.F ABOVE FINISHED FLOOR
 - A.B. ANCHOR BOLT
 - BIT. BITUMINOUS
 - C.B. CARTRIDGE BOLT
 - CTR. CENTER
 - COL. COLUMN
 - C.M.U. CONCRETE MASONRY UNIT
 - E.W. EACH WAY
 - F.O.B. FACE OF BLOCK
 - F.O.F. FACE OF STUDS
 - F.C.O. FLOOR CLEAN OUT
 - F.D. FLOOR DRAIN
 - G.A. GLAZE
 - HORIZ.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



SOUTH ELEVATION
SCALE: 1/4" = 1'-0"



WEST ELEVATION
SCALE: 1/4" = 1'-0"



NORTH ELEVATION
SCALE: 1/4" = 1'-0"

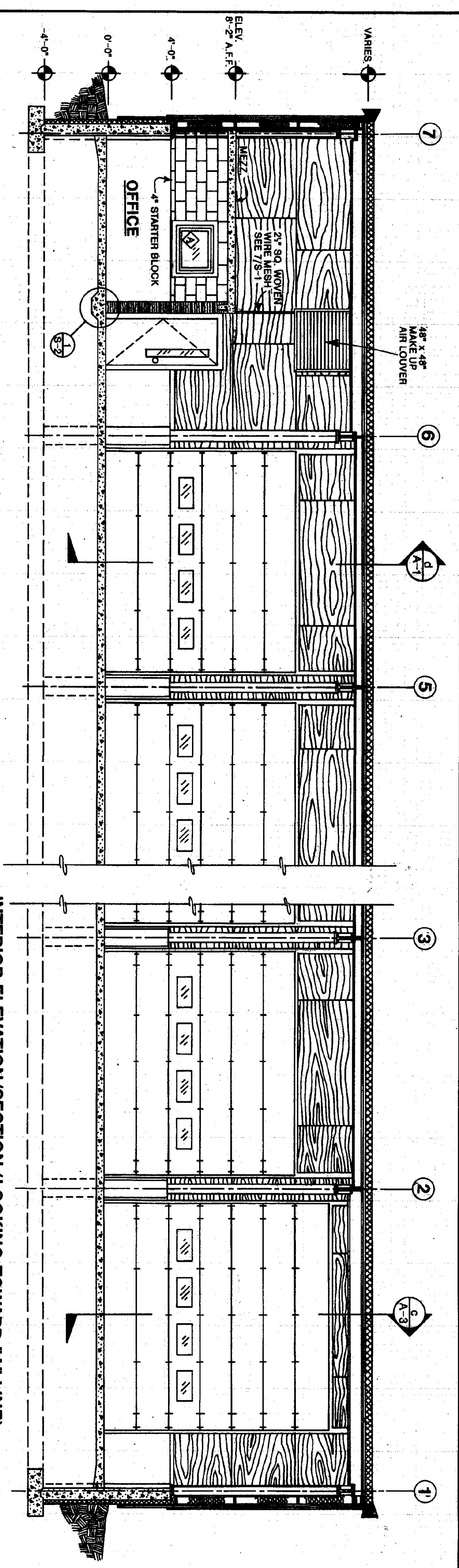
EAST ELEVATION
SCALE: 1/4" = 1'-0"

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

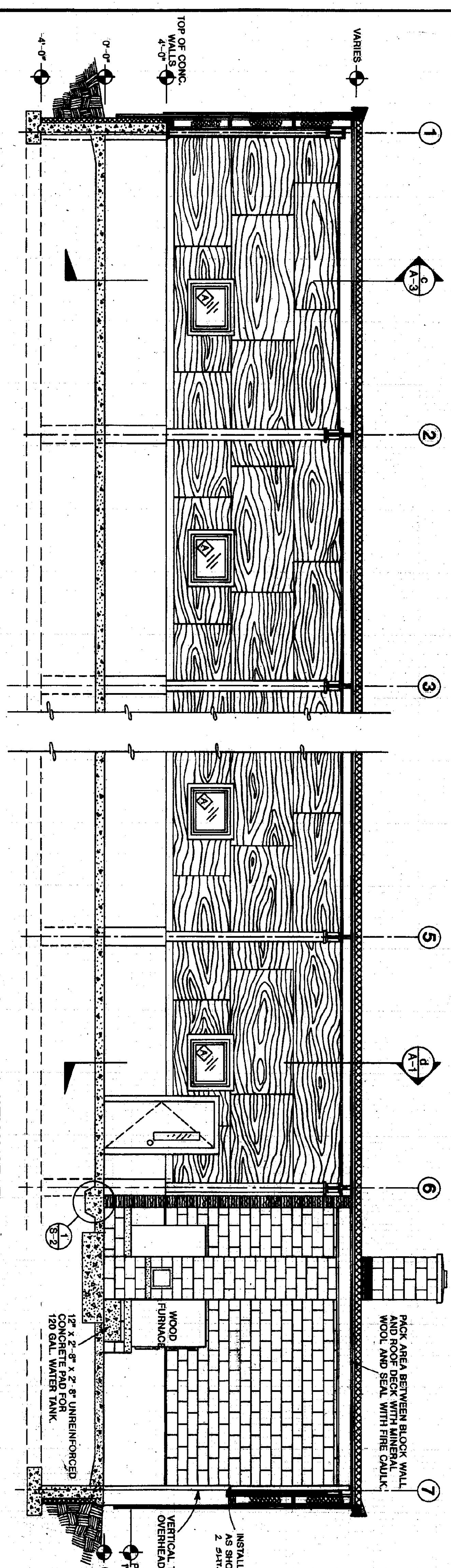
VERMONT AGENCY OF TRANSPORTATION
5 BAY MAINTENANCE GARAGE

VERMONT

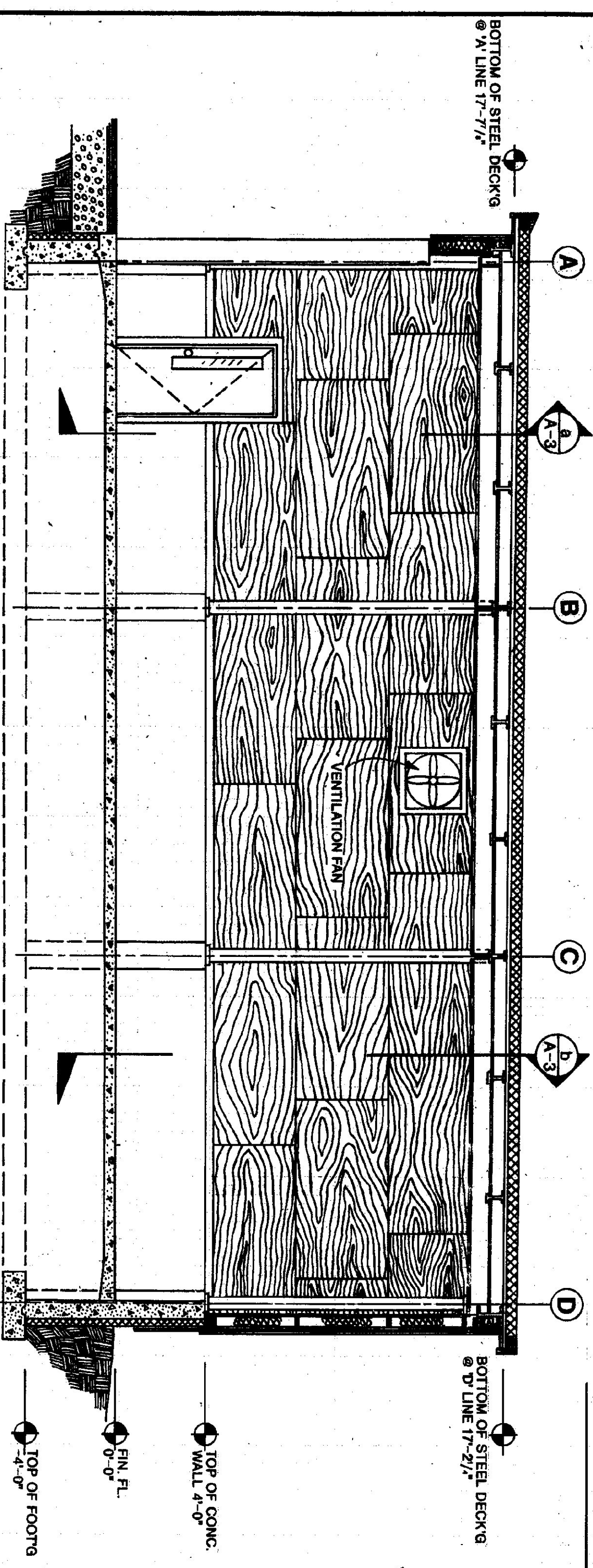
LUDLOW,
DATE: Aug. 1998
DRAWN BY: A. POULIN
SCALE: 1/4" = 1'-0"
PROJ. NO.: 17
DWG. NO.: A-2
REVISIONS:
17 OF 30



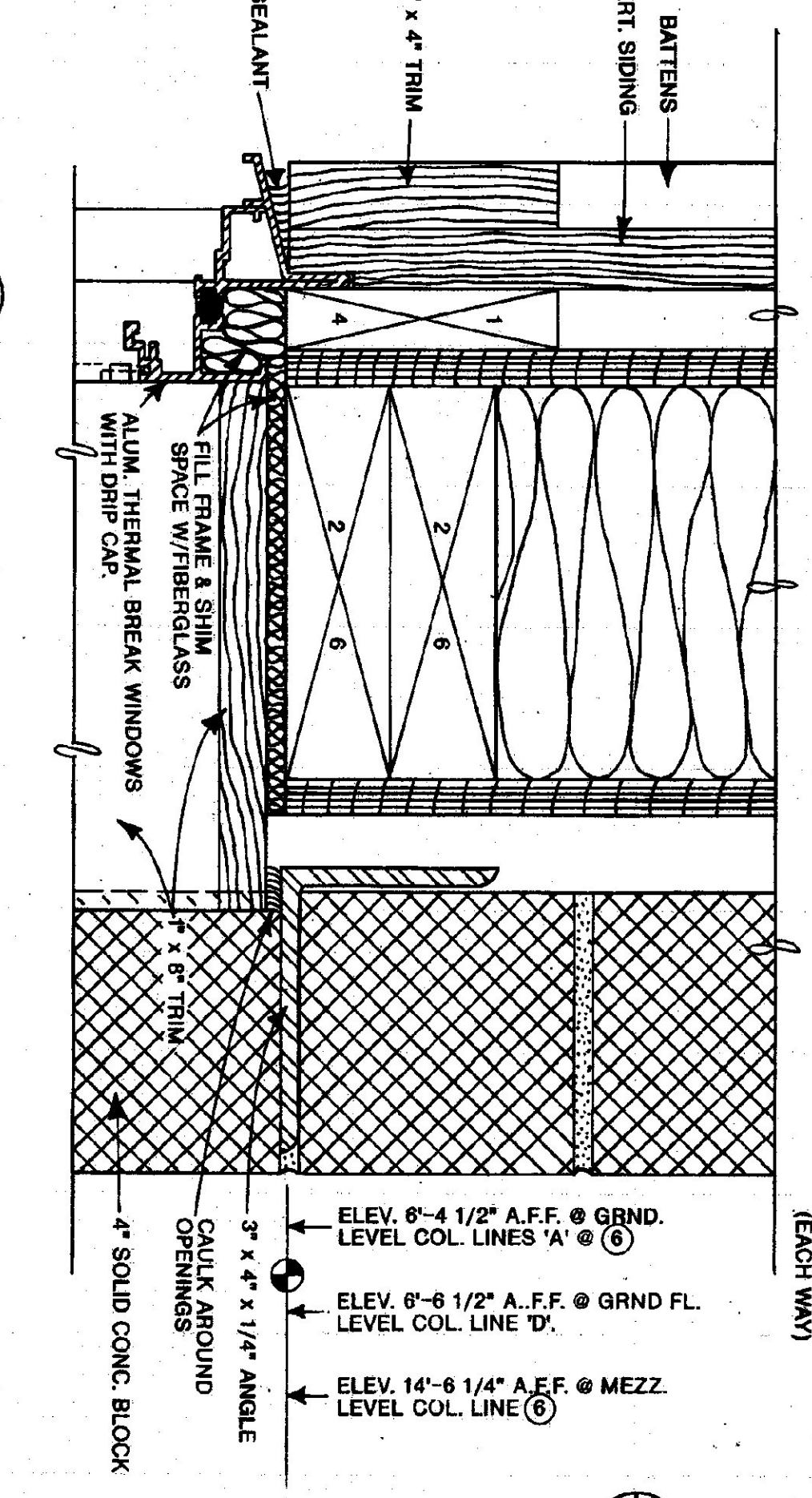
INTERIOR ELEVATION/SECTION (LOOKING TOWARD "A" LINE)
SCALE: 1/4" = 1'-0"



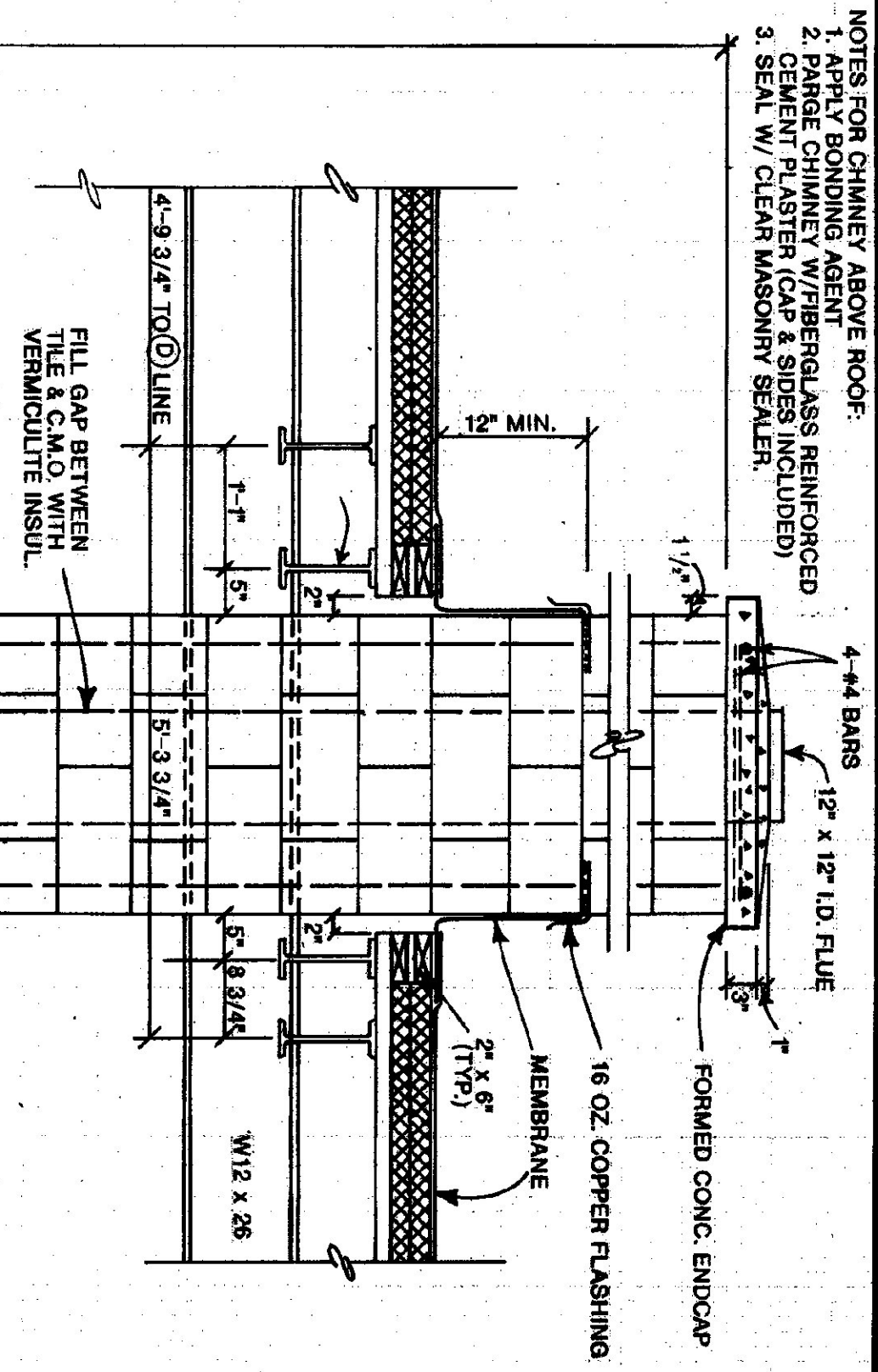
INTERIOR ELEVATION/SECTION (LOOKING TOWARD "D" LINE)
SCALE: 1/4" = 1'-0"



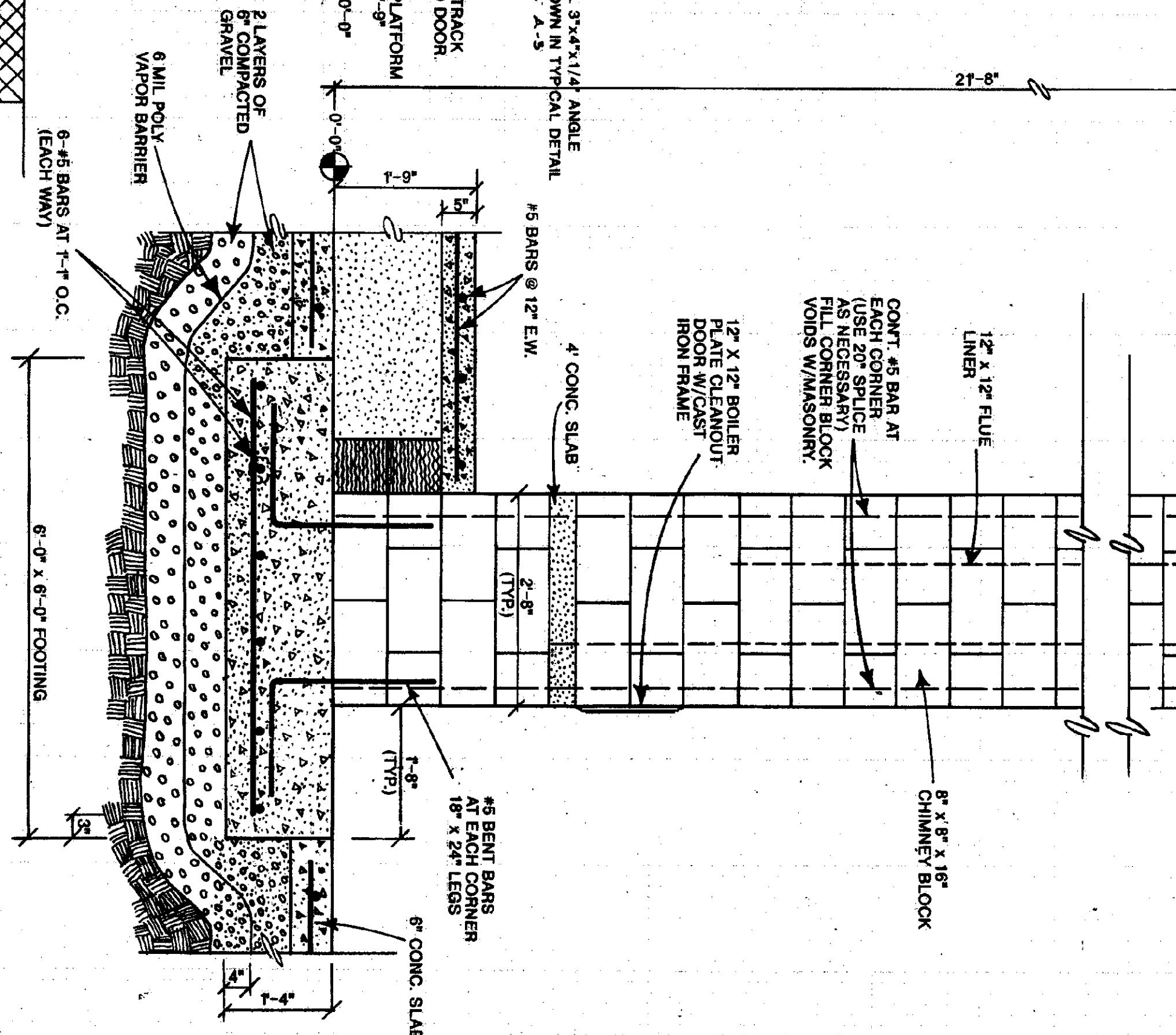
INTERIOR ELEVATION/SECTION (LOOKING TOWARD #1 COL. LINE)
SCALE: 1/4" = 1'-0"



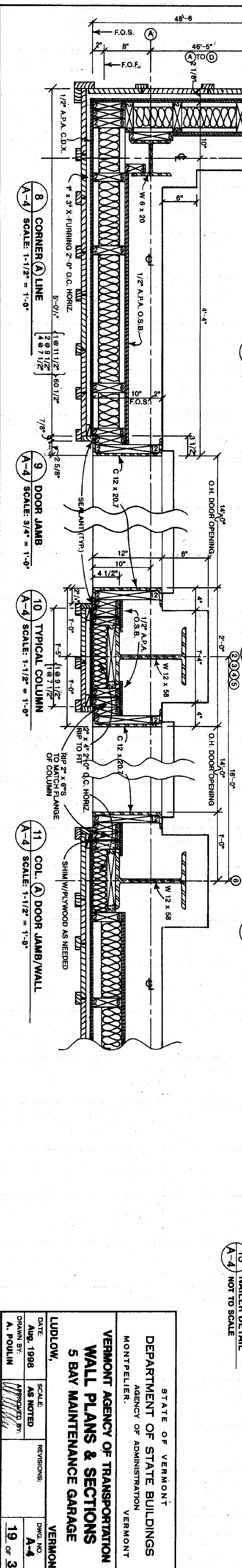
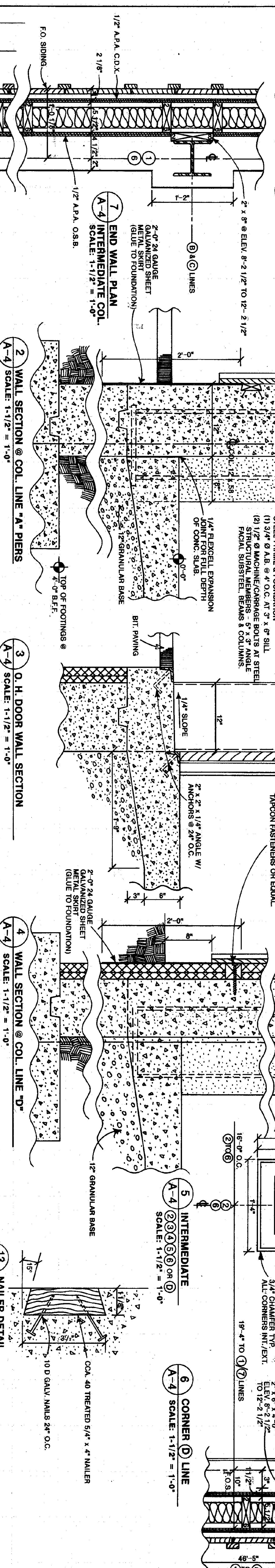
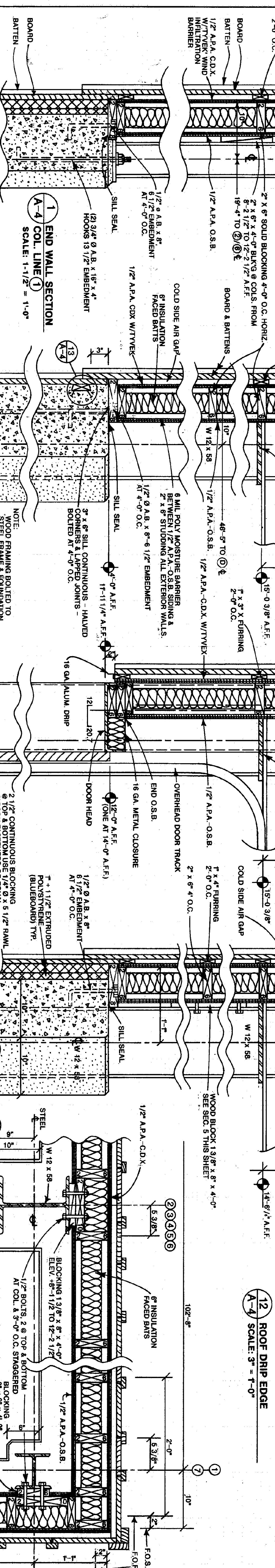
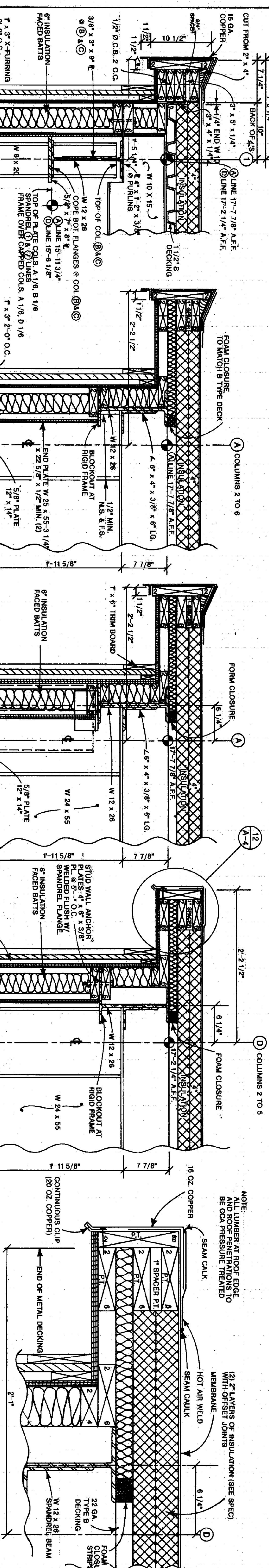
2 TYPICAL WINDOW/DOOR HEAD @ 4" BLOCK
SCALE: 1/2" = 1'-0"



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



STATE OF VERMONT DEPARTMENT OF STATE BUILDINGS AGENCY OF ADMINISTRATION MONTPELIER, VERMONT		VERMONT DEPARTMENT OF TRANSPORTATION INTERIOR AND CHIMNEY SECTIONS/ELEVATIONS 5 BAY MAINTENANCE GARAGE VERMONT	
DATE: Aug. 1998	SCALE: AS NOTED	REVISIONS:	DWG. NO. A-3
DRAWN BY: A. POULIN	APPROVED BY:		18 OF 30



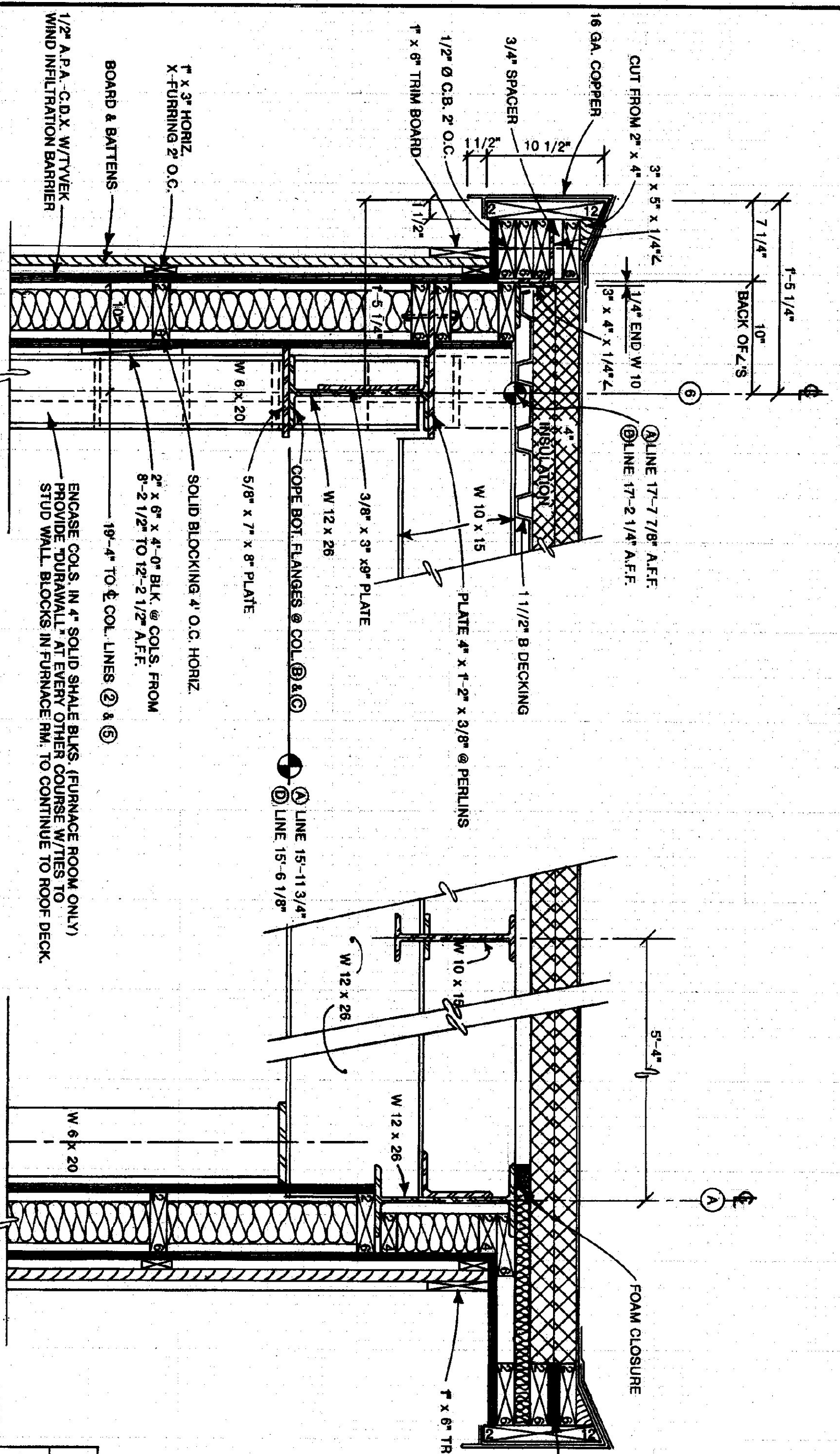
STATE OF VERMONT
 DEPARTMENT OF STATE BUILDINGS
 AGENCY OF ADMINISTRATION
 VERMONT

VERMONT AGENCY OF TRANSPORTATION
 WALL PLANS & SECTIONS
 5 BAY MAINTENANCE GARAGE

LUDDLOW,
 DATE: Aug. 1988
 DRAWN BY: A. POULIN

SCALE: AS NOTED
 APPROVED BY:

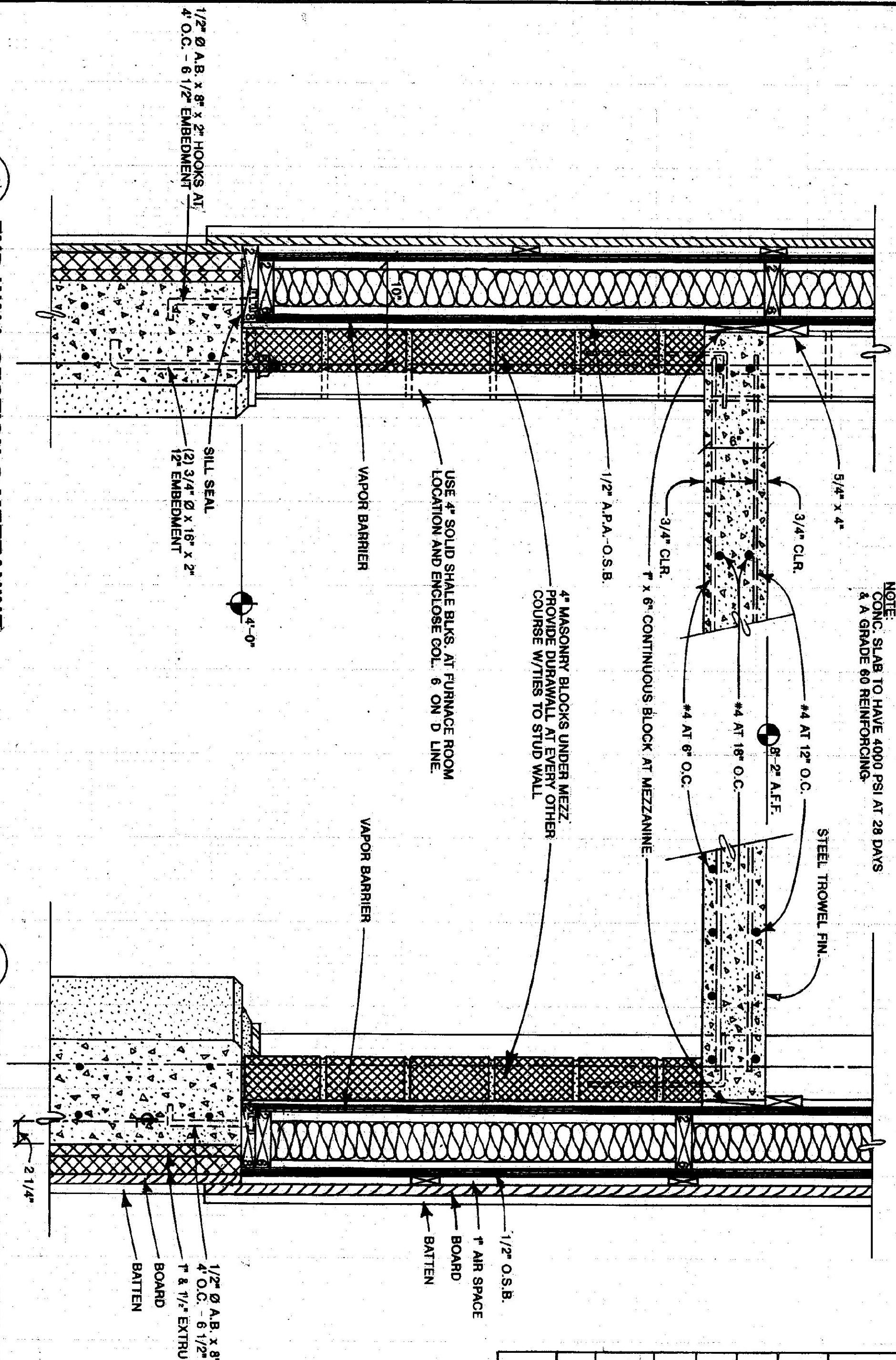
REVISIONS:
 DWG. NO. A-4
 19 OF 30



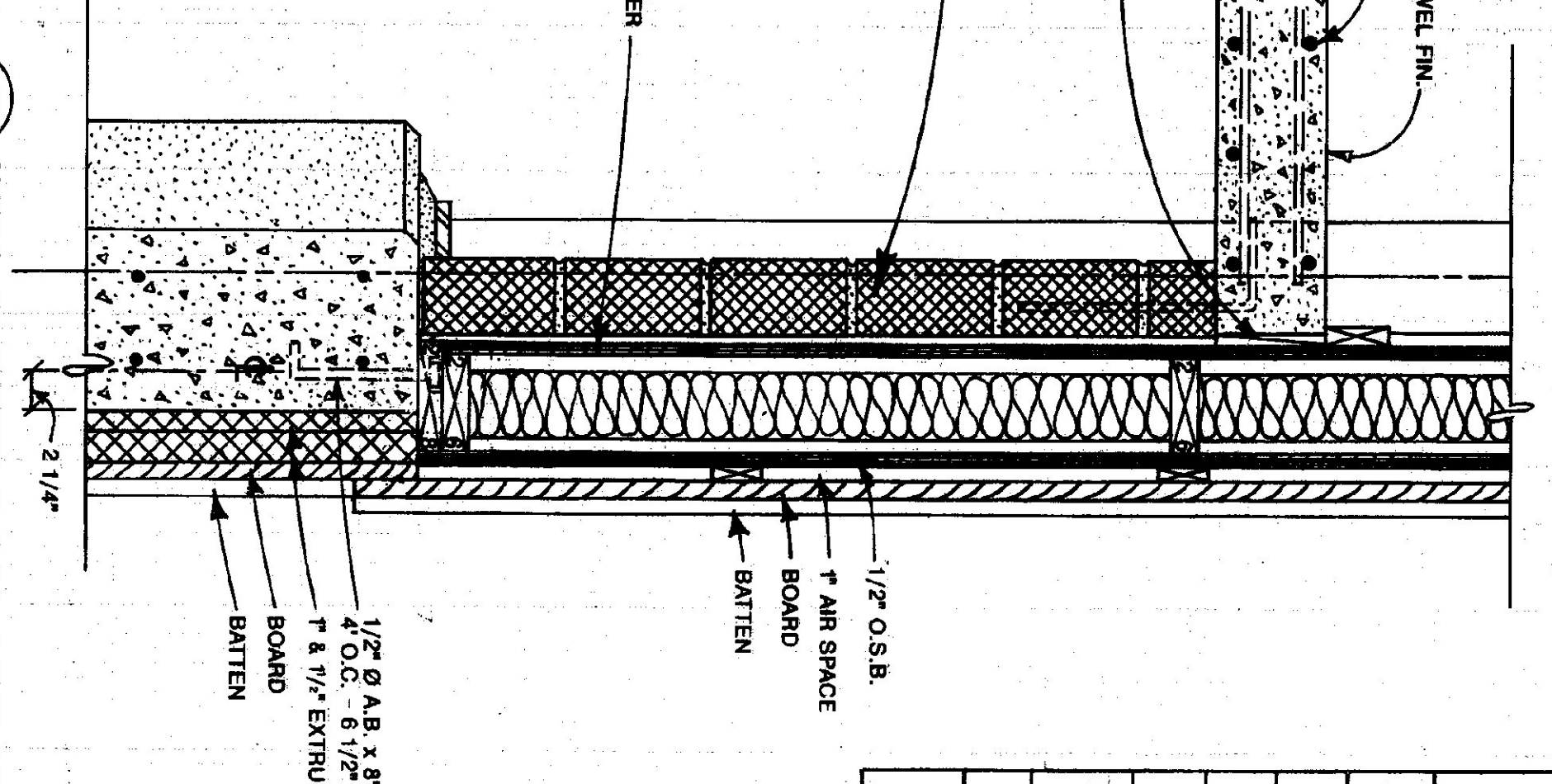
ROOF PLAN
SCALE: 1/8" = 1'-0"

NO.	QUANTITY	SIZE	TYPE	FIRE RATING	DOOR MATERIAL	FRAME MATERIAL	HARDWARE SET #	GLAZING REQUIRED	BUTTS	KICK PLATE	WTR. STRIP	CLOSER	REMARKS
D-1	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-2	1	3'-0" x 6'-8"	II	C	HOLLOW METAL	"	2	20" x 32" SAFETY	4 1/2" x 4 1/2"	"	"	"	"
D-3	1	"	III	B	"	"	4	NONE	"	"	"	"	"
D-4	1	"	III	B	"	"	3	"	"	"	"	"	"
D-5	1	"	III	B	"	"	4	"	"	"	"	"	"
D-6	4	14'-0" W. x 12'-0" H.	IV	C	INSULATED STEEL	12" STEEL CHANNEL	"	"	"	"	"	"	ELECTRIC OVERHEAD DOOR SERIES 591 THERMACORE W/ ACRYLIC WINDOWS
D-7	1	14'-0" x 14'-0"	IV	C	"	"	"	"	"	"	"	"	"
D-8	1	6'-0" x 7'-0"	V	C	"	METAL	"	NONE	"	"	VINYL	NONE	Overhead Door Series 591 w/ Thermal Break

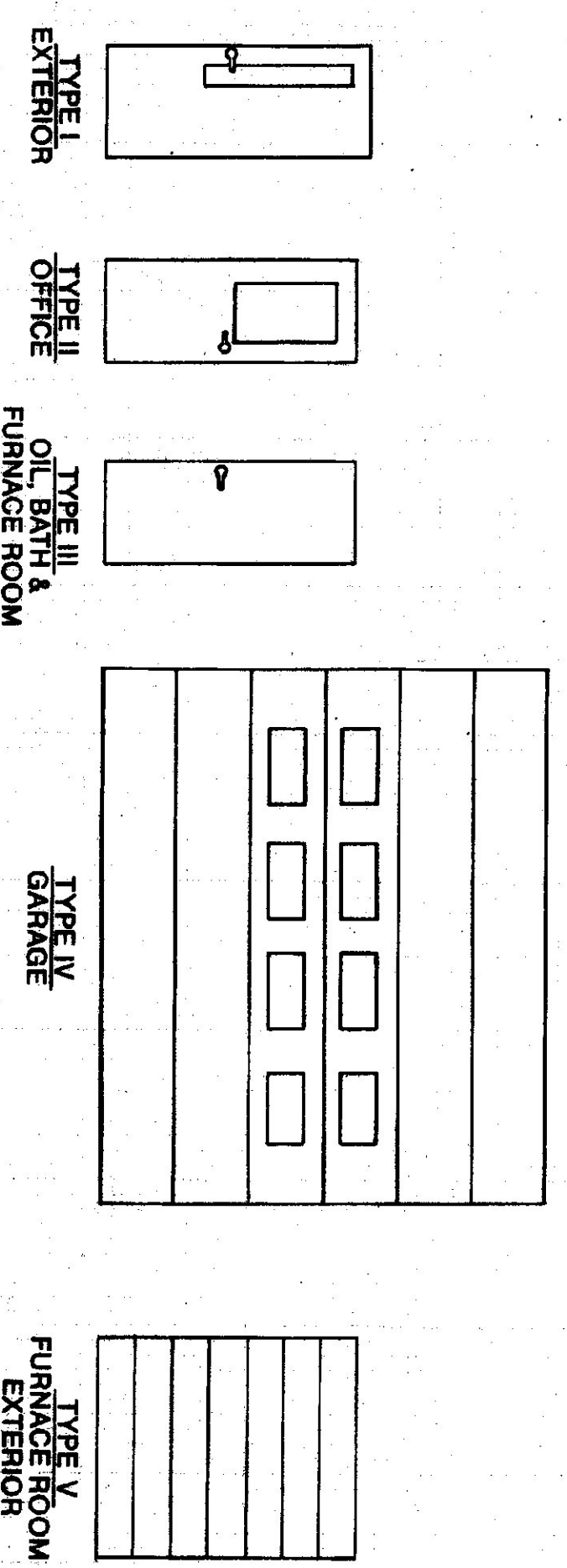
DOOR SCHEDULE



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



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



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

WINDOW SCHEDULE

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

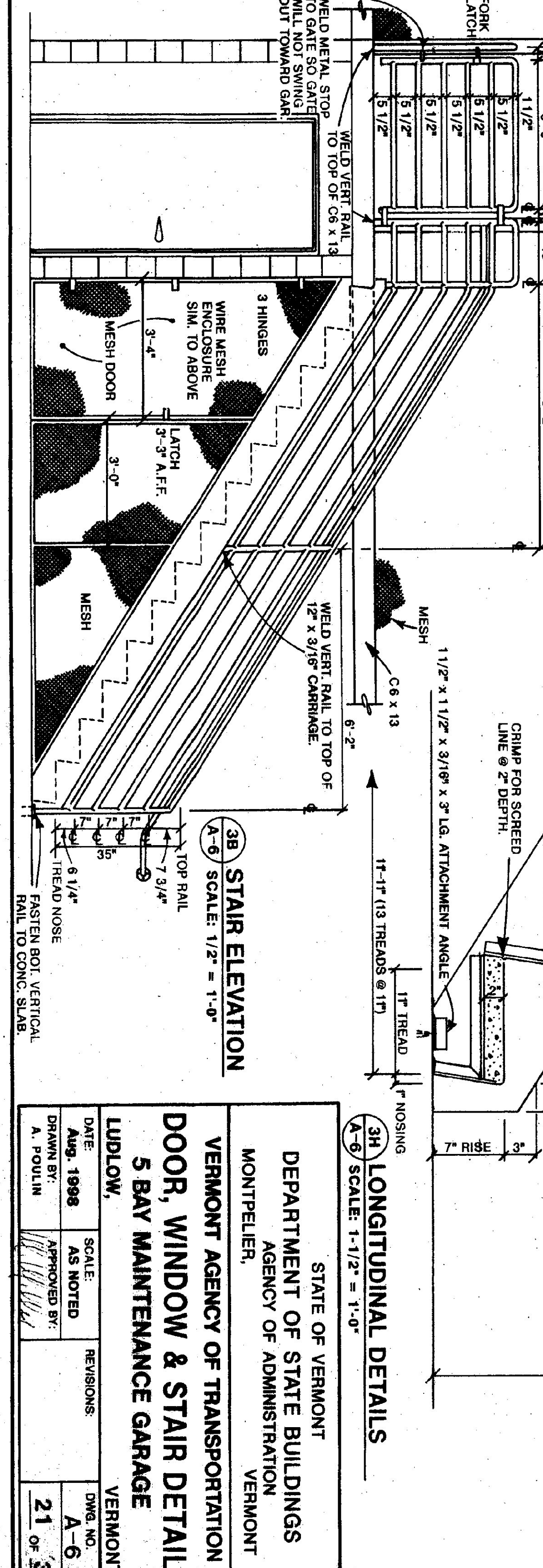
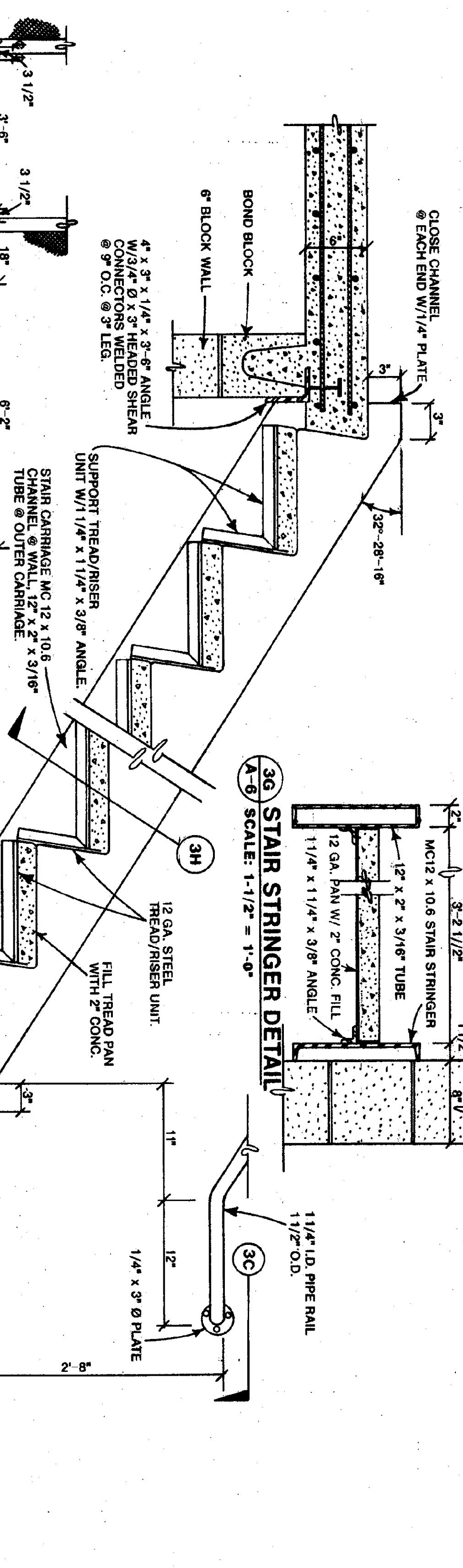
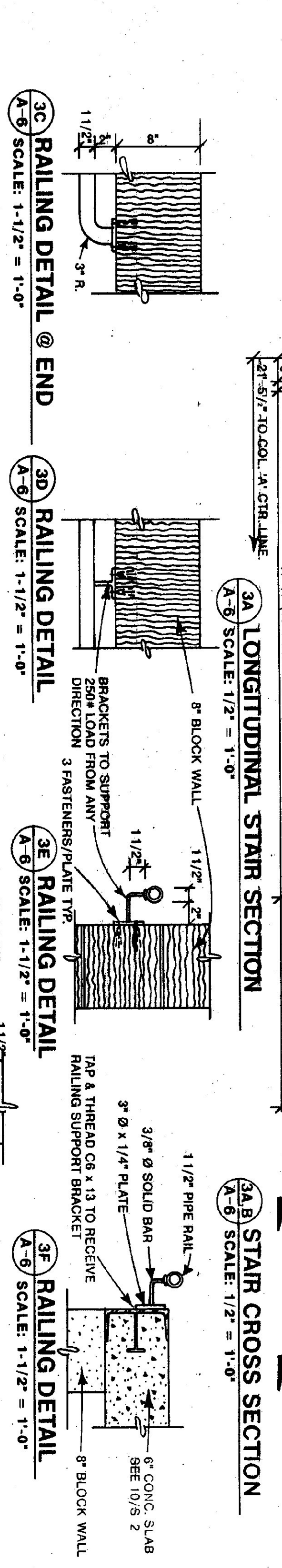
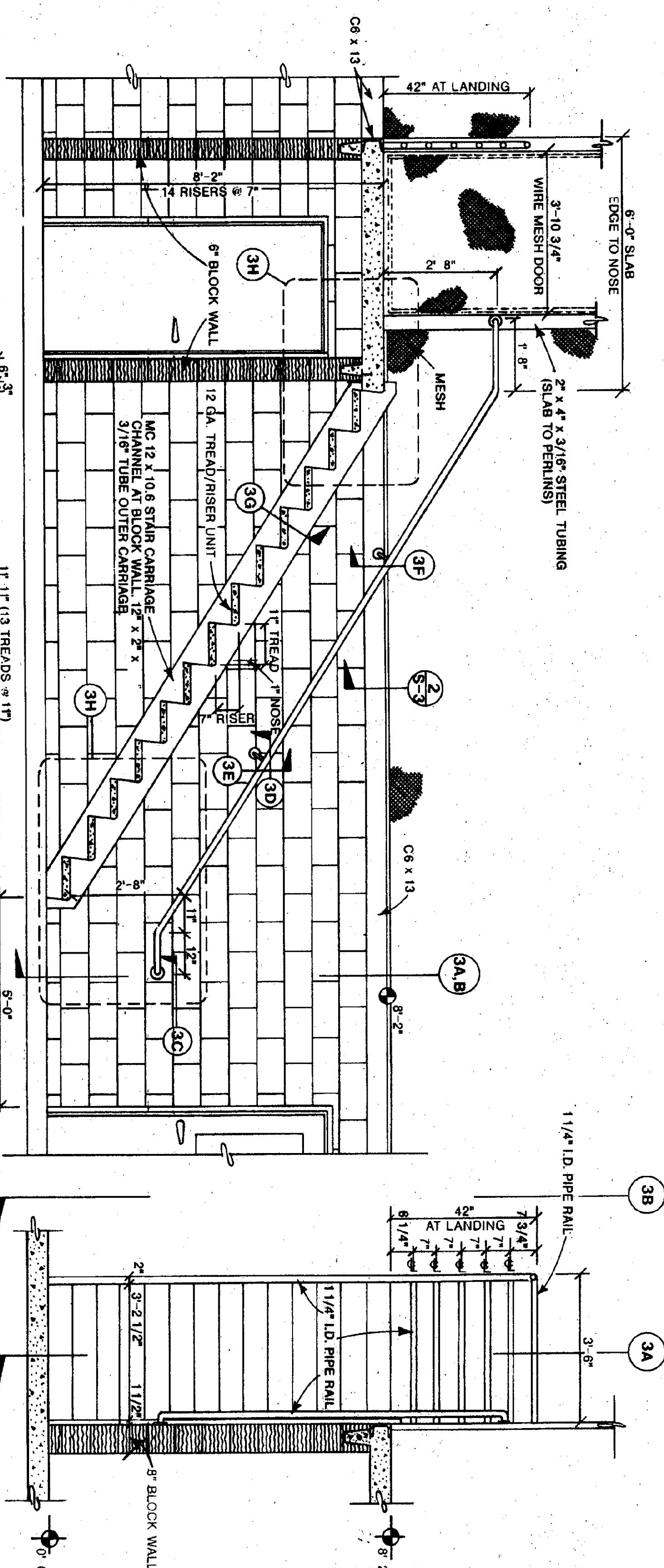
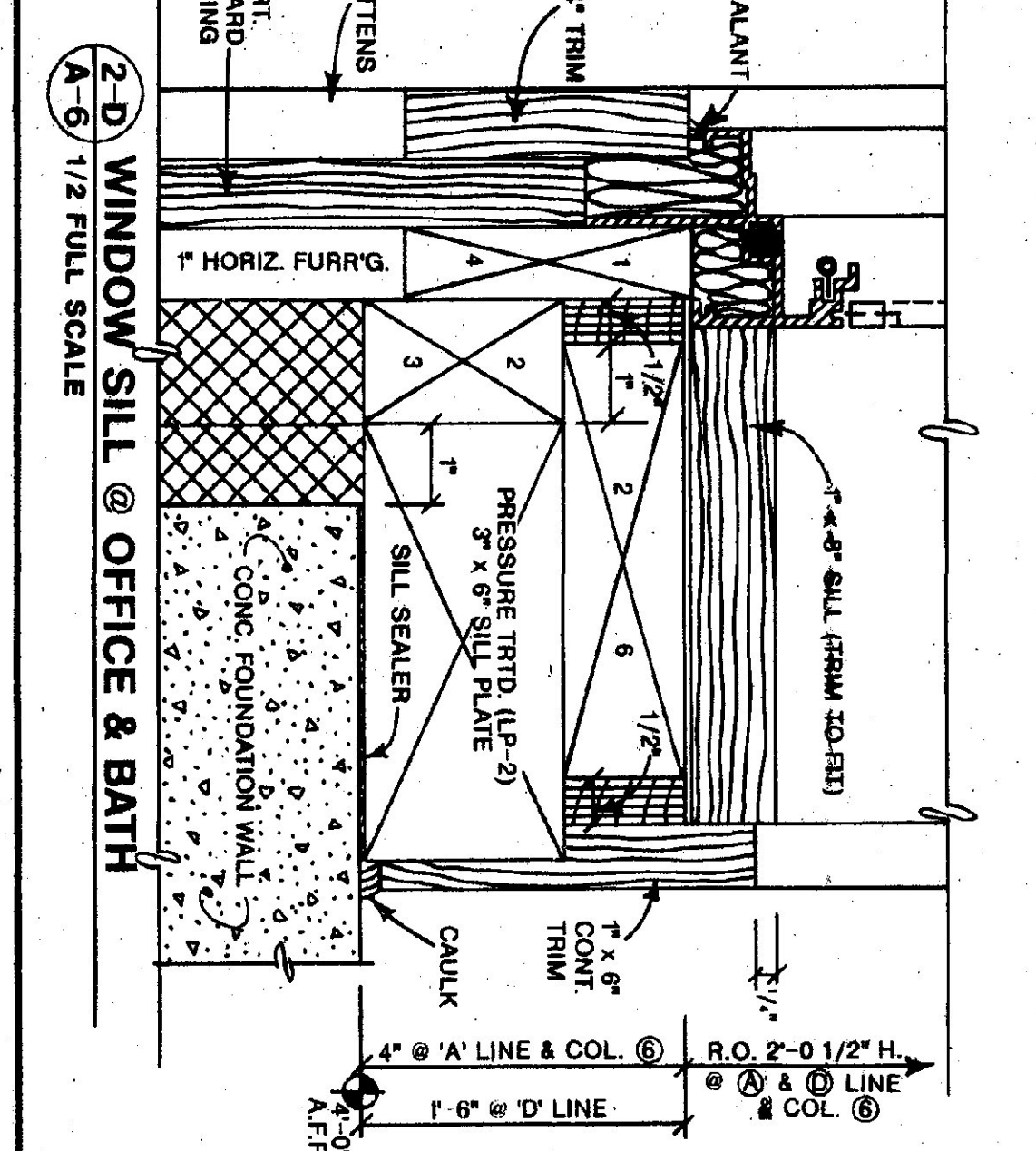
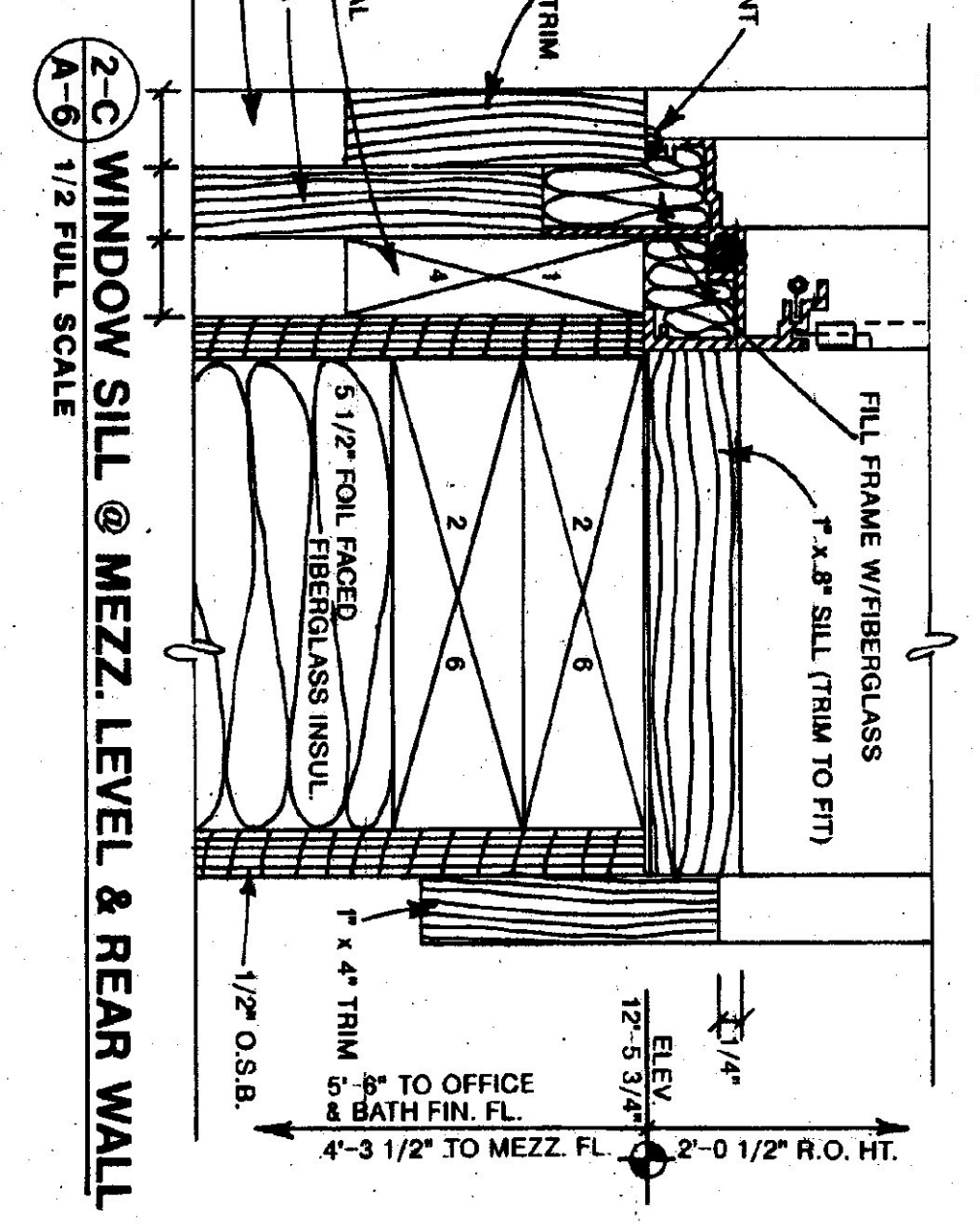
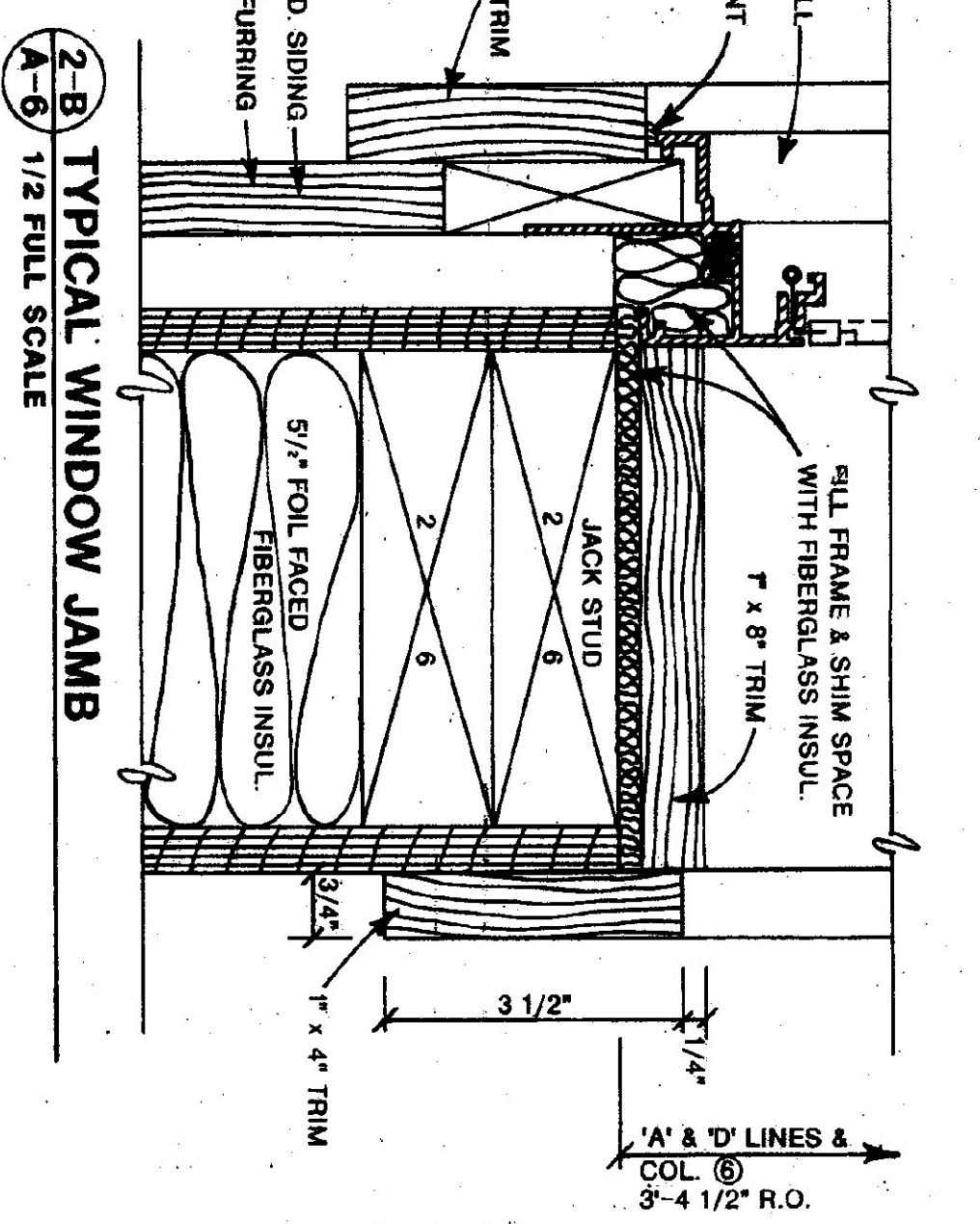
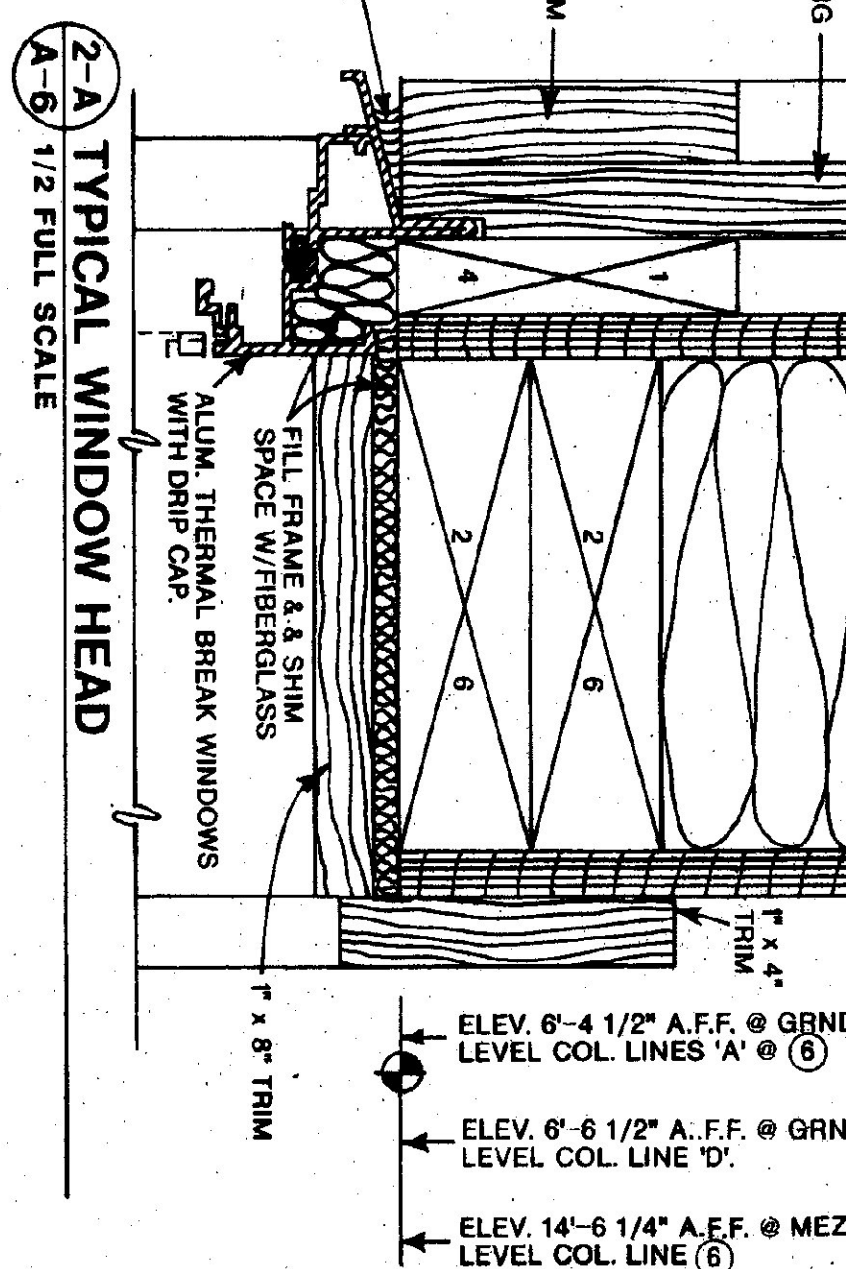
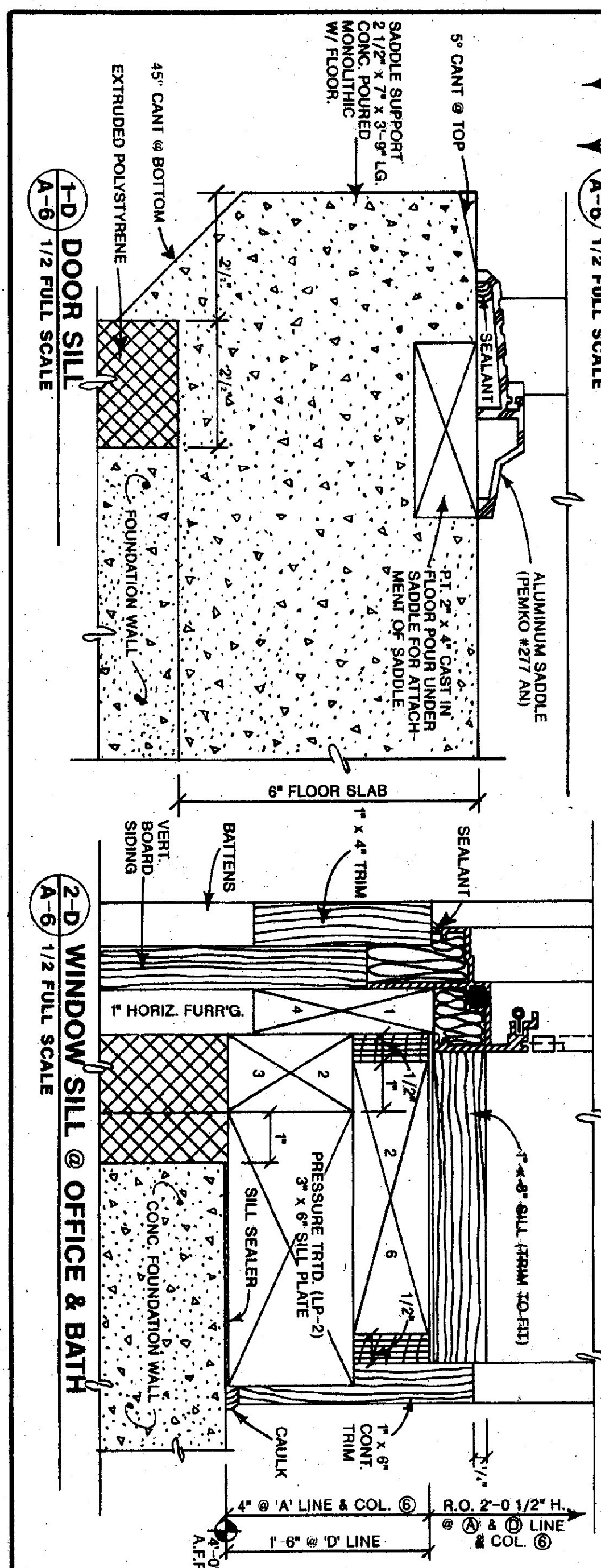
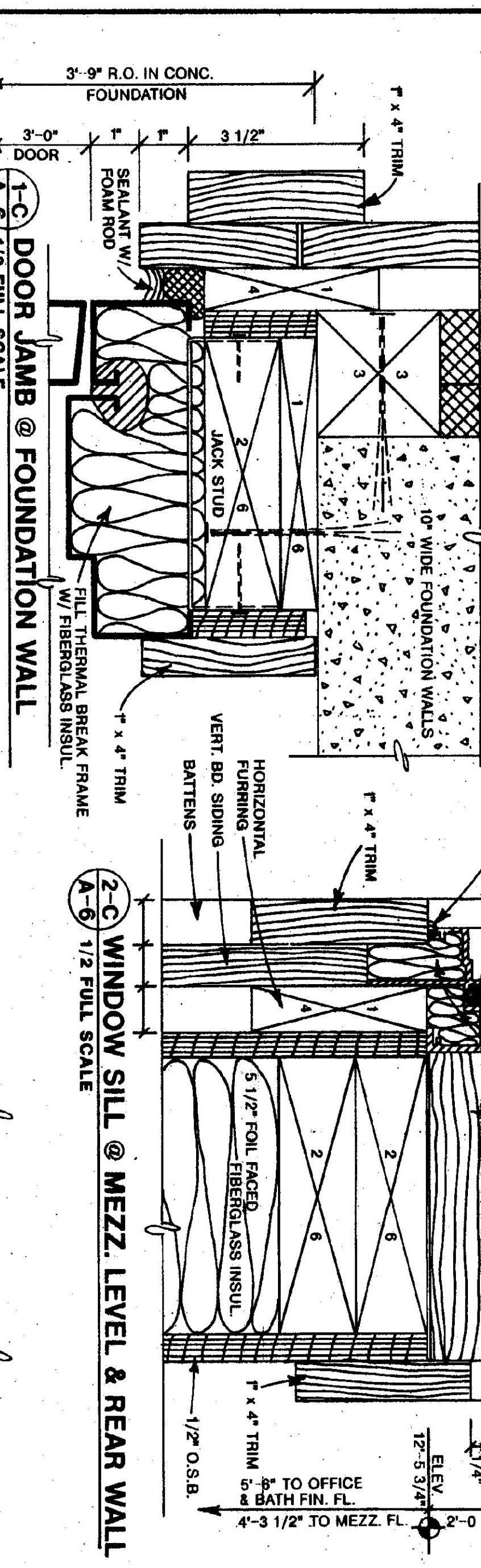
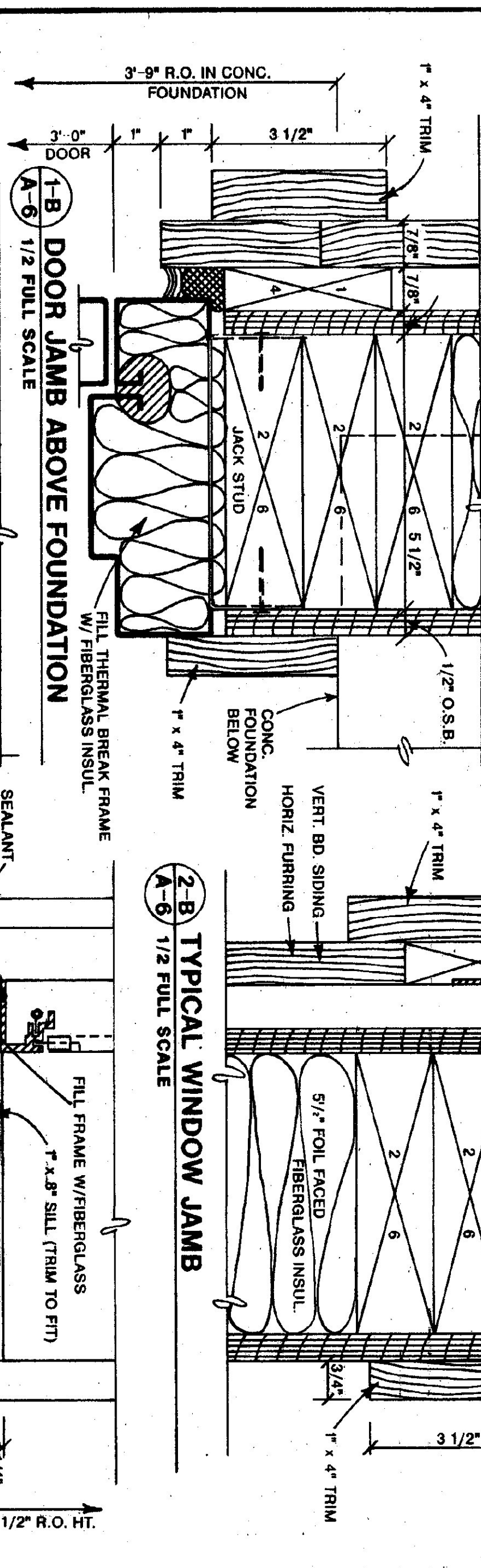
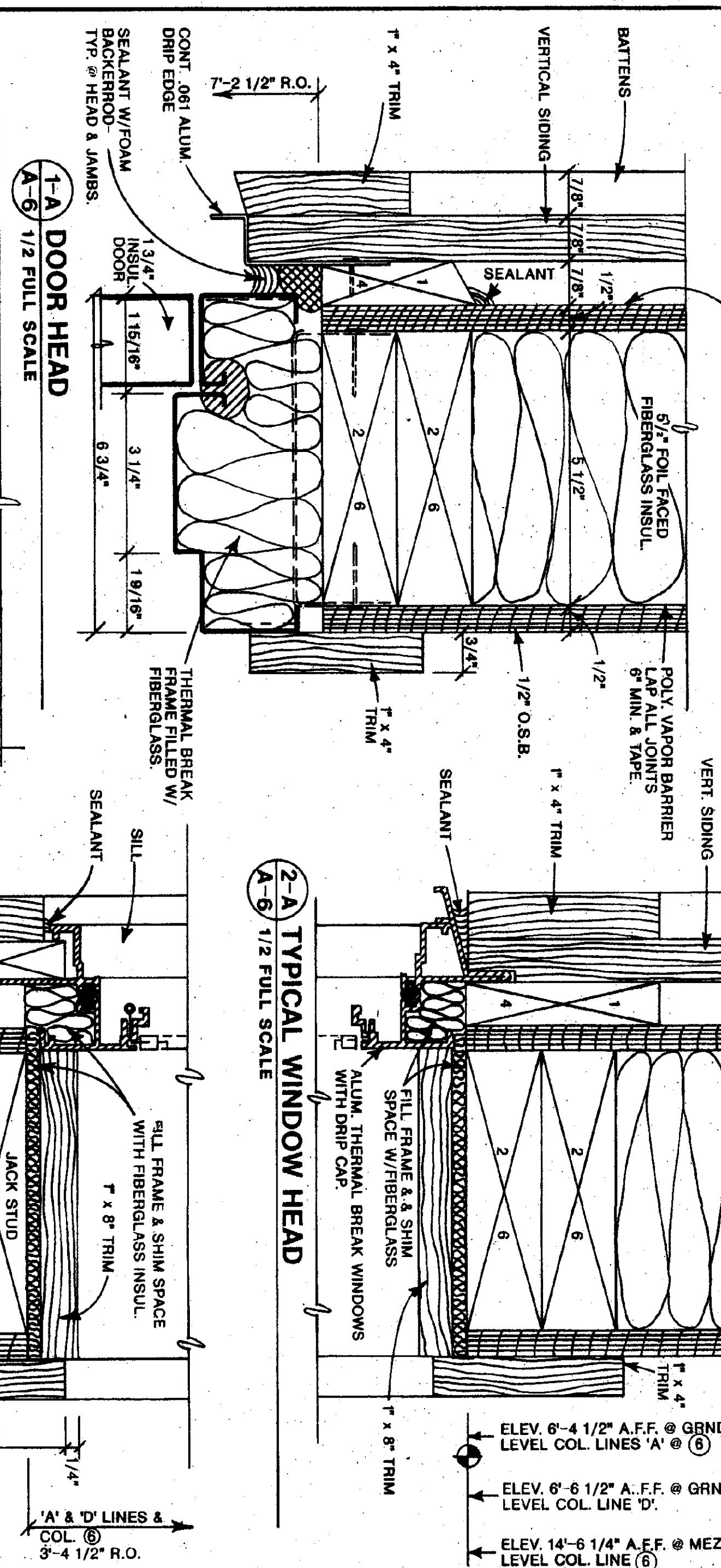
STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
MONTPELIER, VERMONT

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

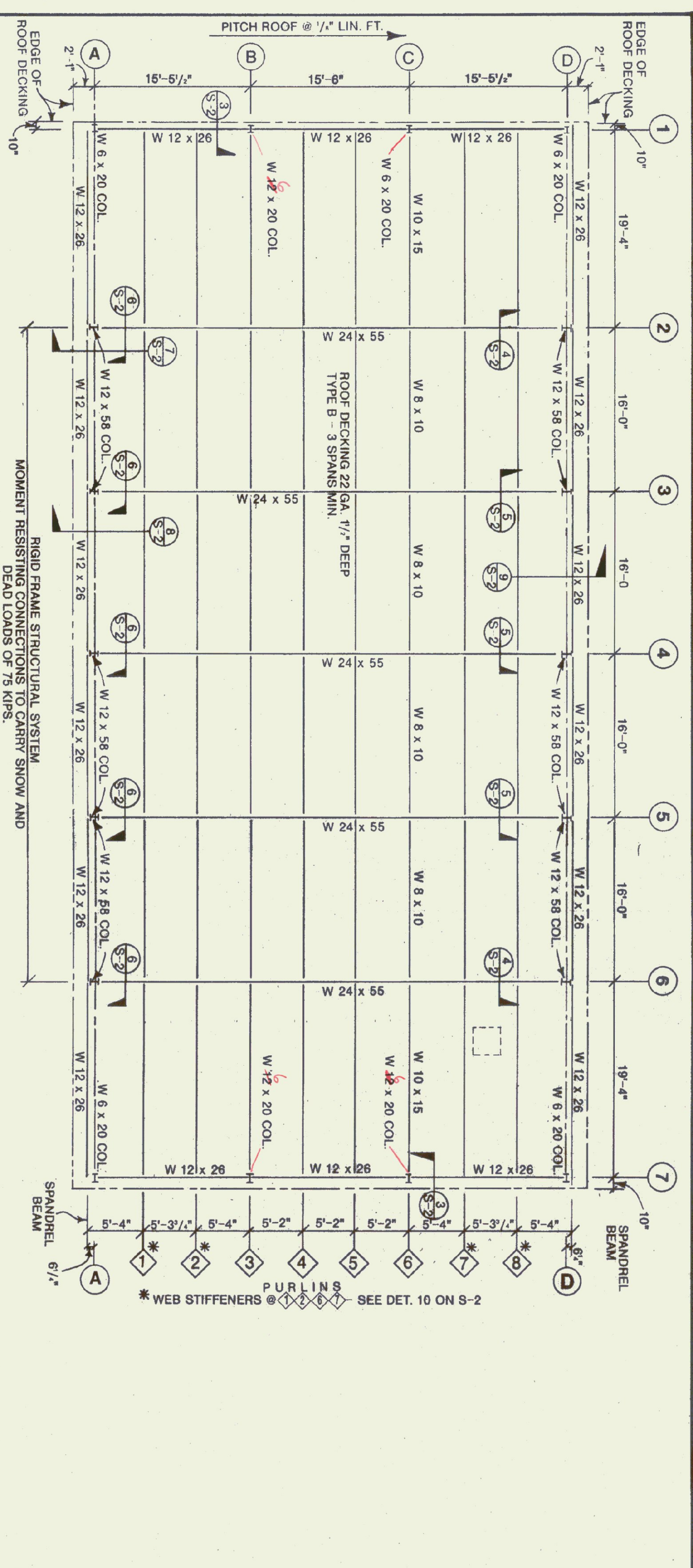
LUDLOW,
DATE: Aug 1998
SCALE: AS NOTED
DRAWN BY: A. POULIN
APPROVED BY: [Signature]

REV. NO. A-5
DWG. NO. 20 OF 30

TYVEK WIND INFILTRATION FABRIC OVER HORIZONTALLY APPLIED 1/2" APA RATED EXTERIOR PLYWOOD SHEATHING.

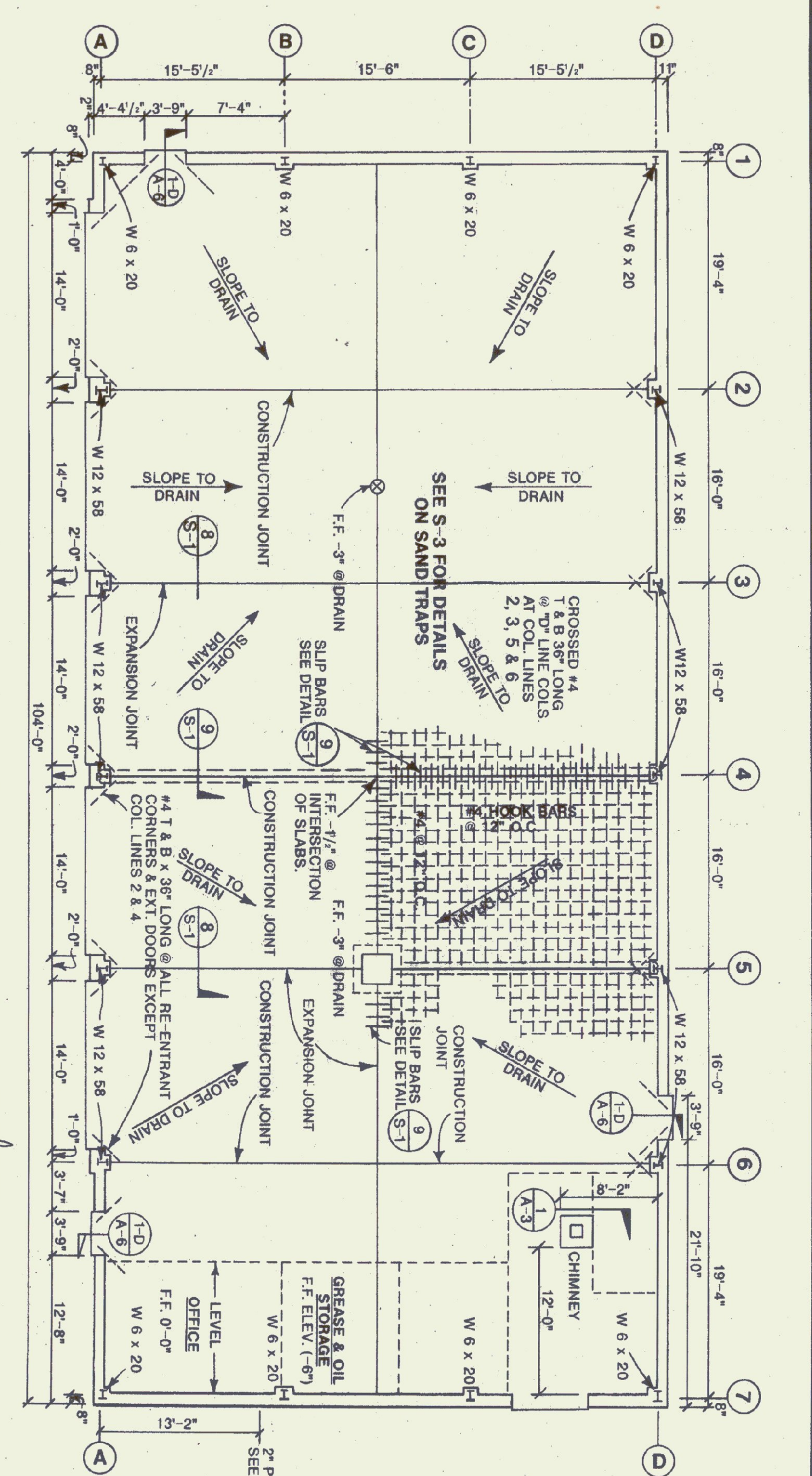


STATE OF VERMONT
 DEPARTMENT OF STATE BUILDINGS
 AGENCY OF ADMINISTRATION
 VERMONT
 VERMONT AGENCY OF TRANSPORTATION
 DOOR, WINDOW & STAIR DETAILS
 5 BAY MAINTENANCE GARAGE
 LUDLOW,
 VERMONT
 DATE: AUG. 1998
 DRAWN BY: A. POUTLIN
 SCALE: AS NOTED
 APPROVED BY:
 REVISIONS:
 DWS NO. A-6
 21 OF 36



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.

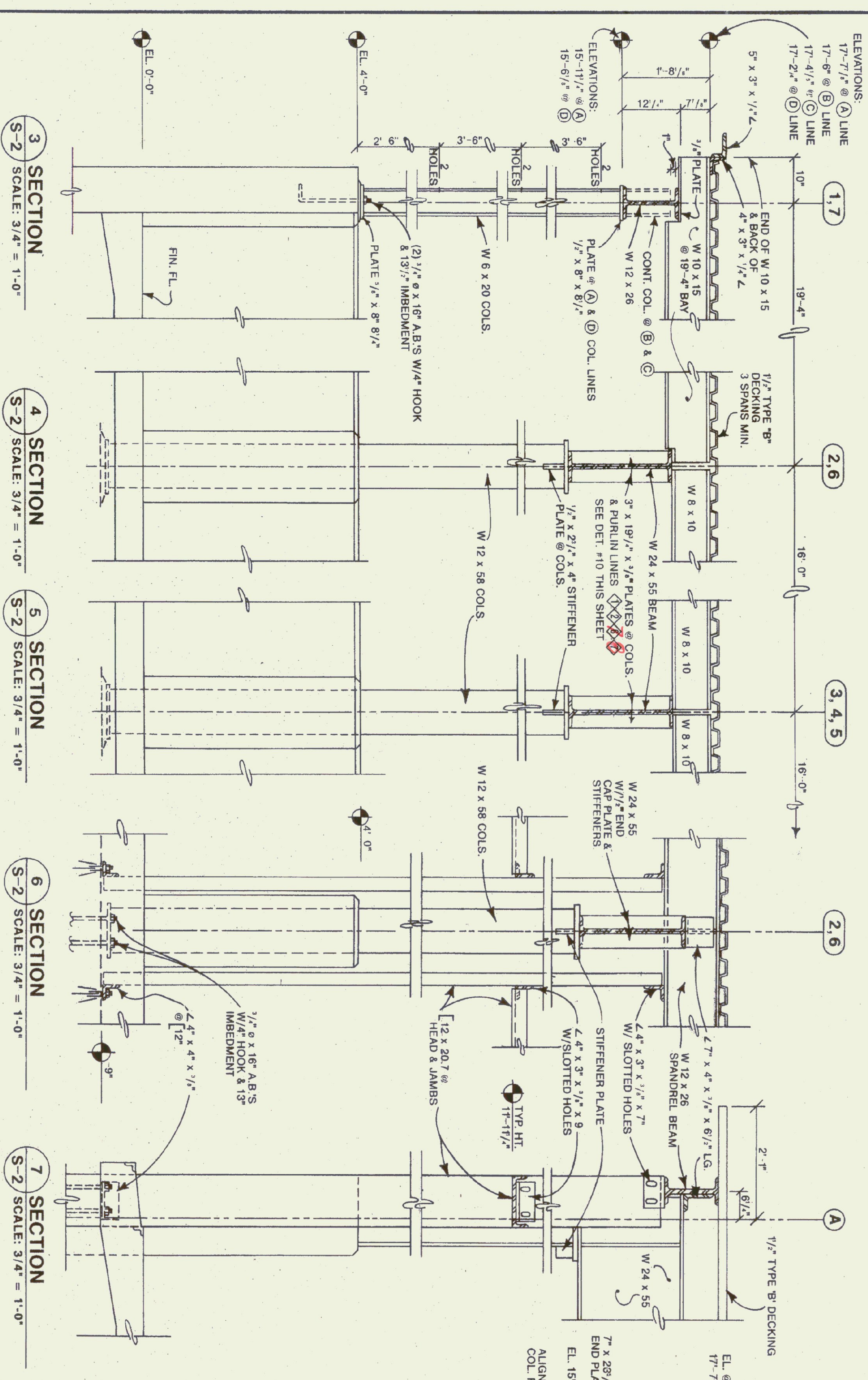


Floor Slab PLAN
SCALE: 1/8" = 1'-0"

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

BASE PLATE NOTES:
@ COL. LINES #1 & 7 BOT. OF BASE PLATES @ -4'-0 1/2"
@ COL. LINES #2, 3, 4, 5 & 6 BOT. OF BASE PLATES @ -8 1/2"

MISC. NOTES:
CHANNELS FOR GARAGE DOORS (5 DOORS TOTAL) ARE NOT SHOWN ON FRAMING PLAN.



SECTION 1.7
SCALE: 3/4" = 1'-0"

SECTION 2.6
SCALE: 3/4" = 1'-0"

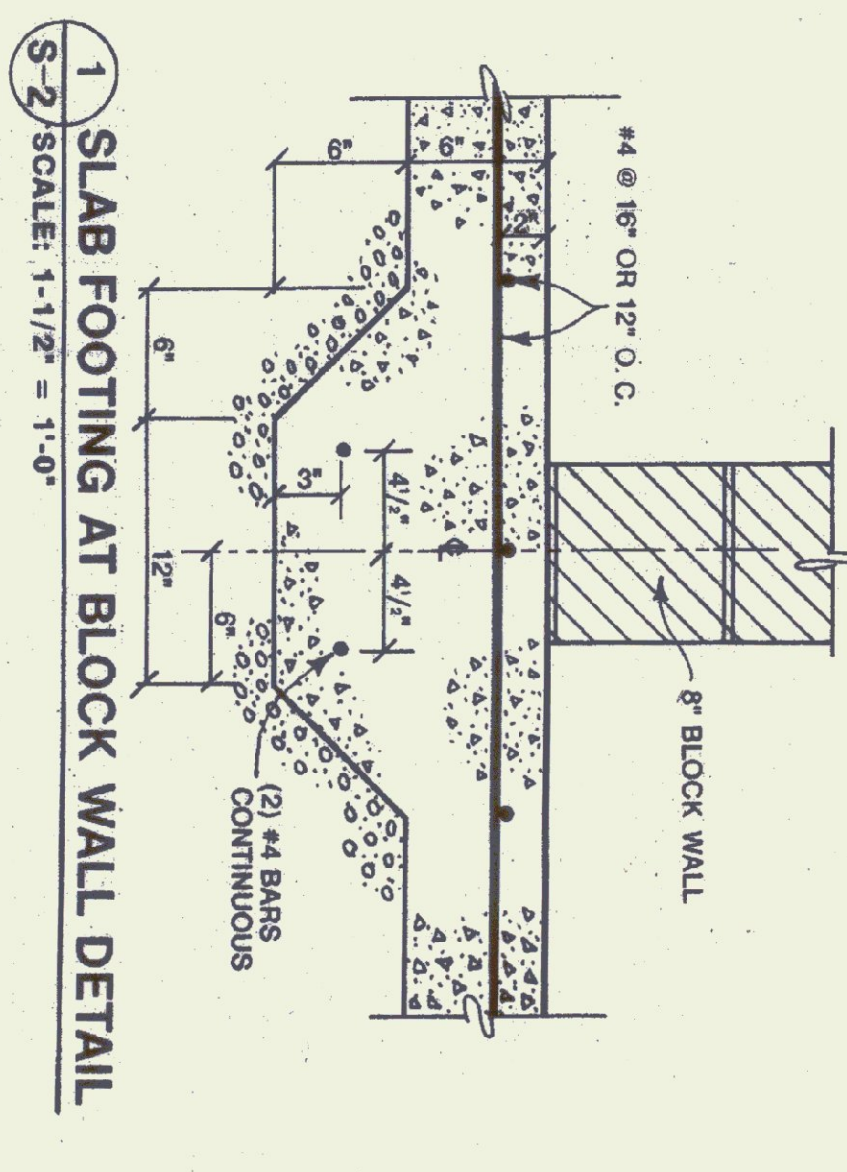
SECTION 3, 4, 5
SCALE: 3/4" = 1'-0"

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

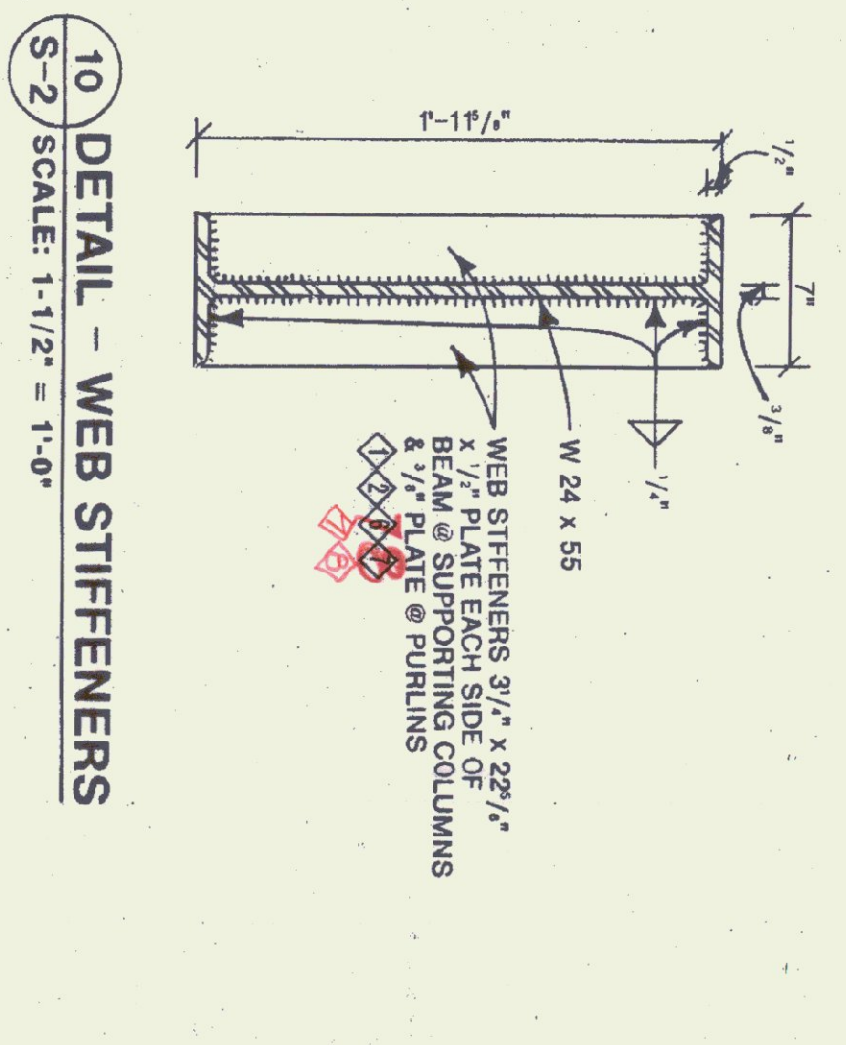
SECTION 7
SCALE: 3/4" = 1'-0"

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

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



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



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

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

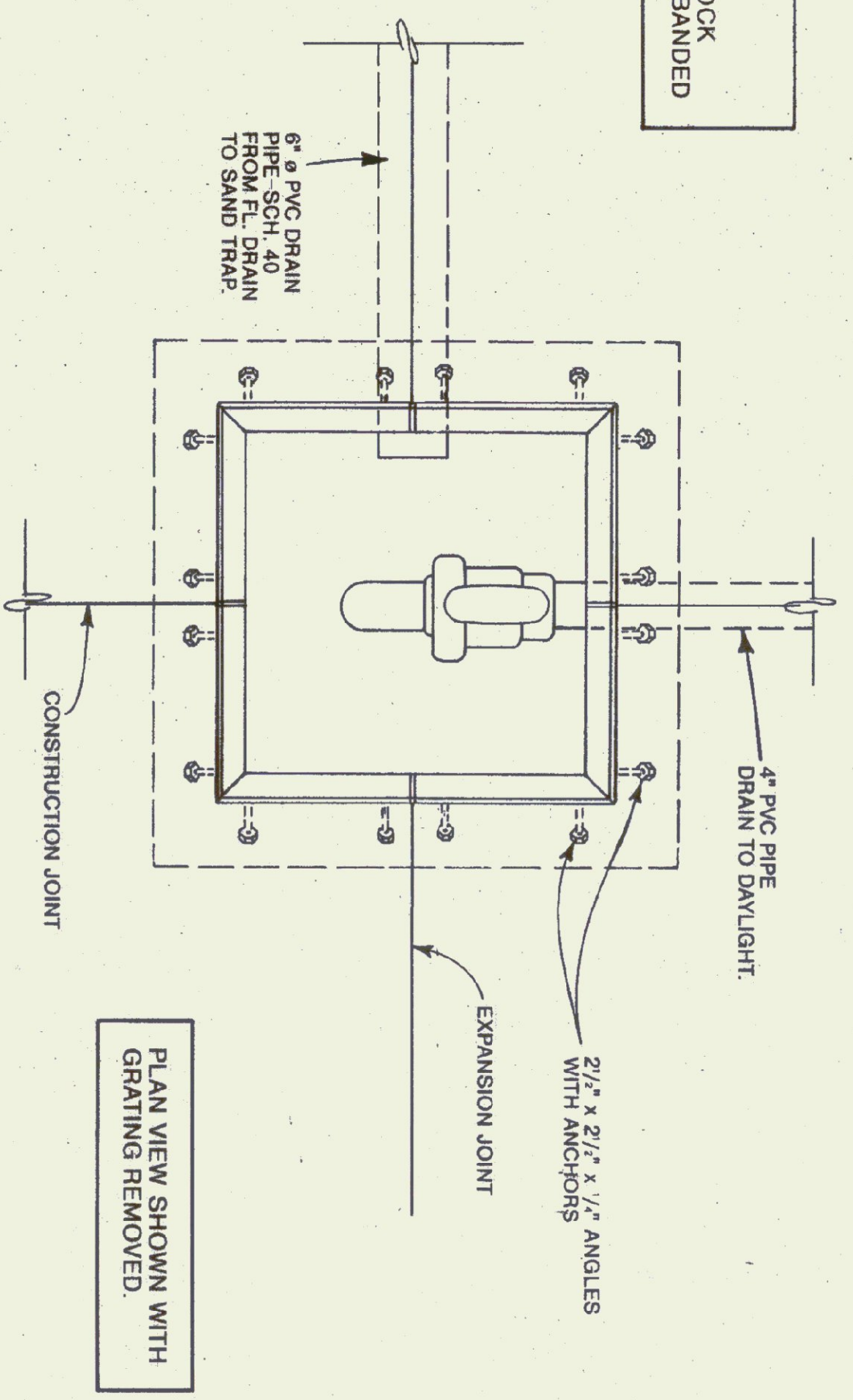
VERMONT AGENCY OF TRANSPORTATION
STRUCTURAL STEEL FRAMING @ ROOF & STEEL SECTIONS & CONCRETE DETAILS
5 BAY MAINTENANCE GARAGE
VERMONT

LUDLOW,
DATE: Aug. 1998
DRAWN BY: A. POULIN

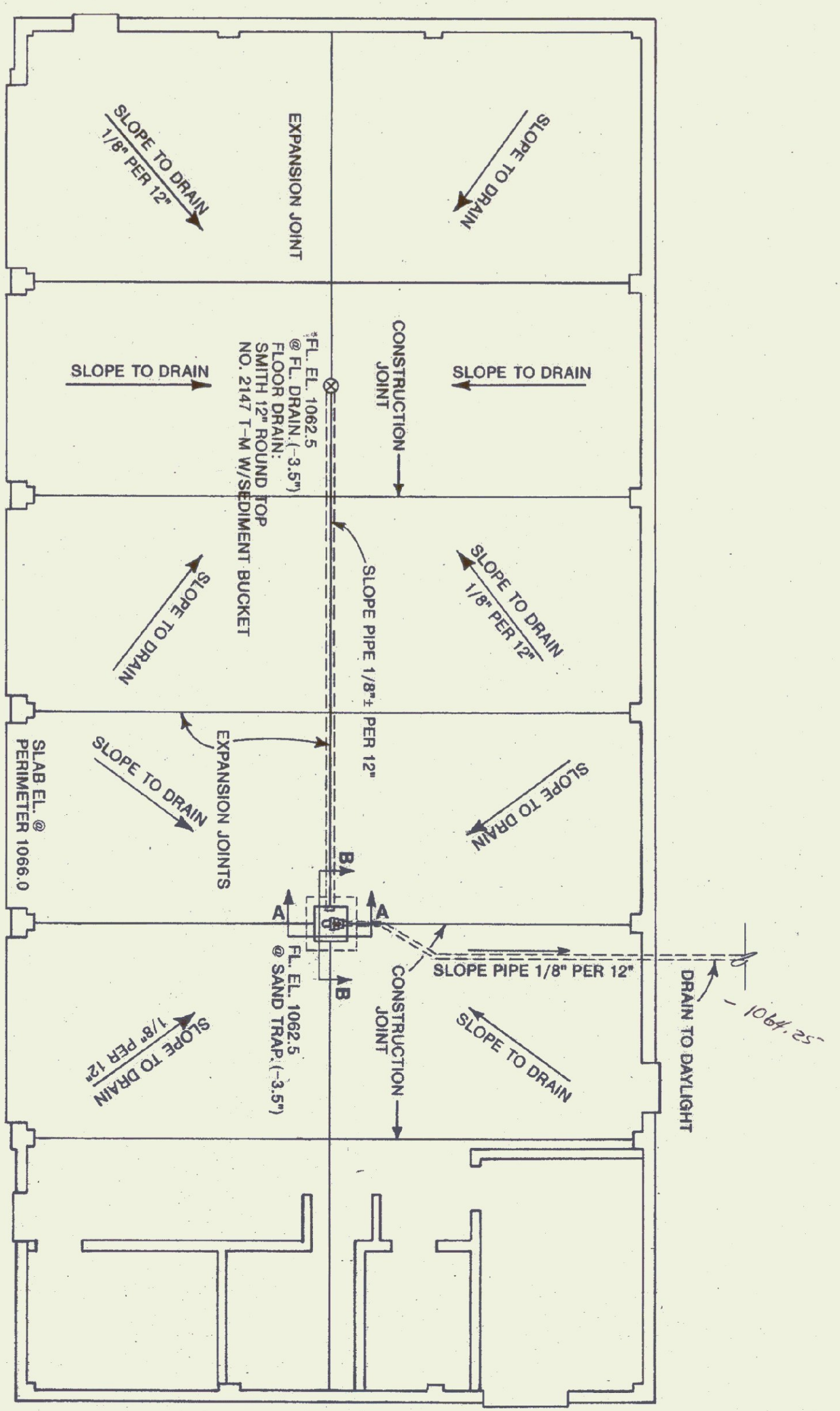
SCALE: AS NOTED
APPROVED BY:

REVISIONS:
DWG. NO. S-2
23 OF 30

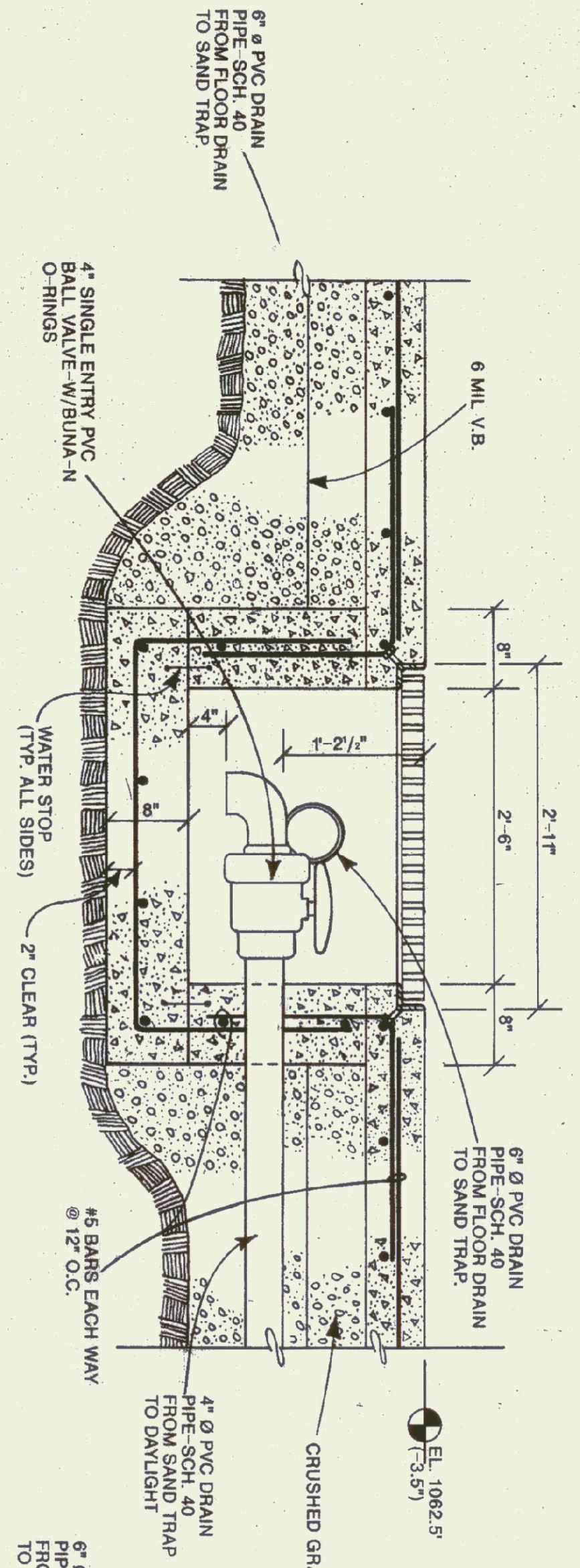
GRATING MODULES:
 (2 PER SAND TRAP)
 2'-9" x 1'-4 1/4" x 2 1/4"
 @ 1/8" O.C. ALL EDGES BANDED



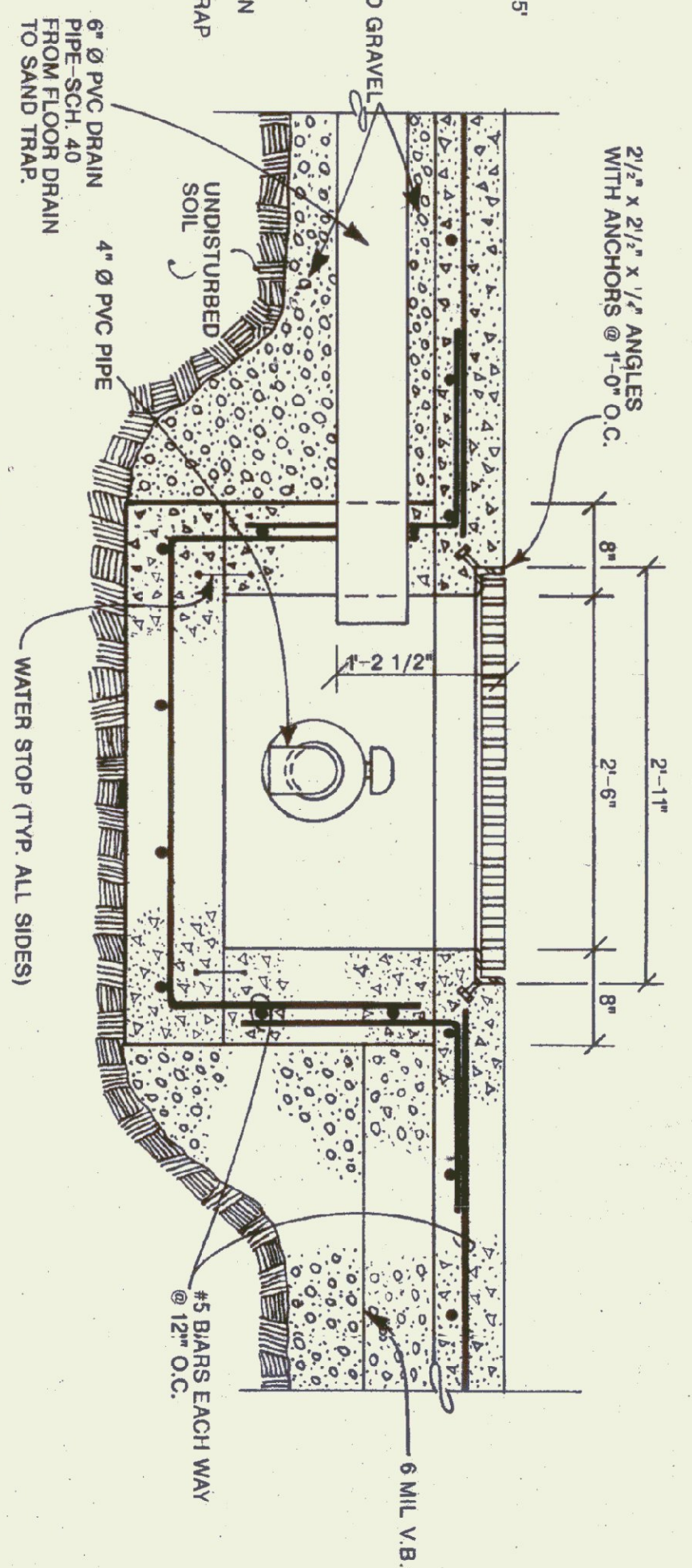
SAND TRAP PLAN VIEW
 SCALE: 1" = 1'-0"



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

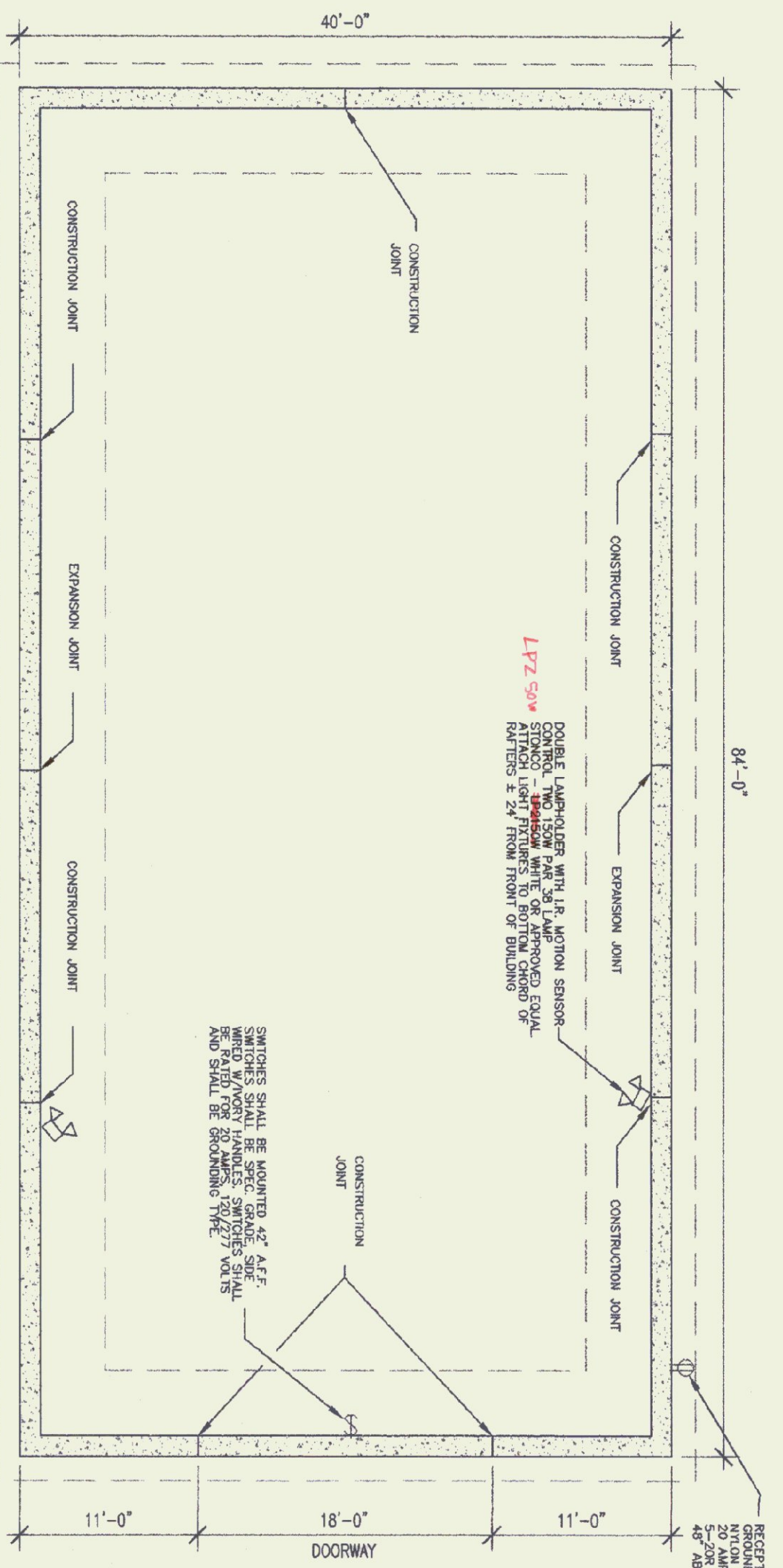


SECTION A-A
 SCALE: 1" = 1'-0"

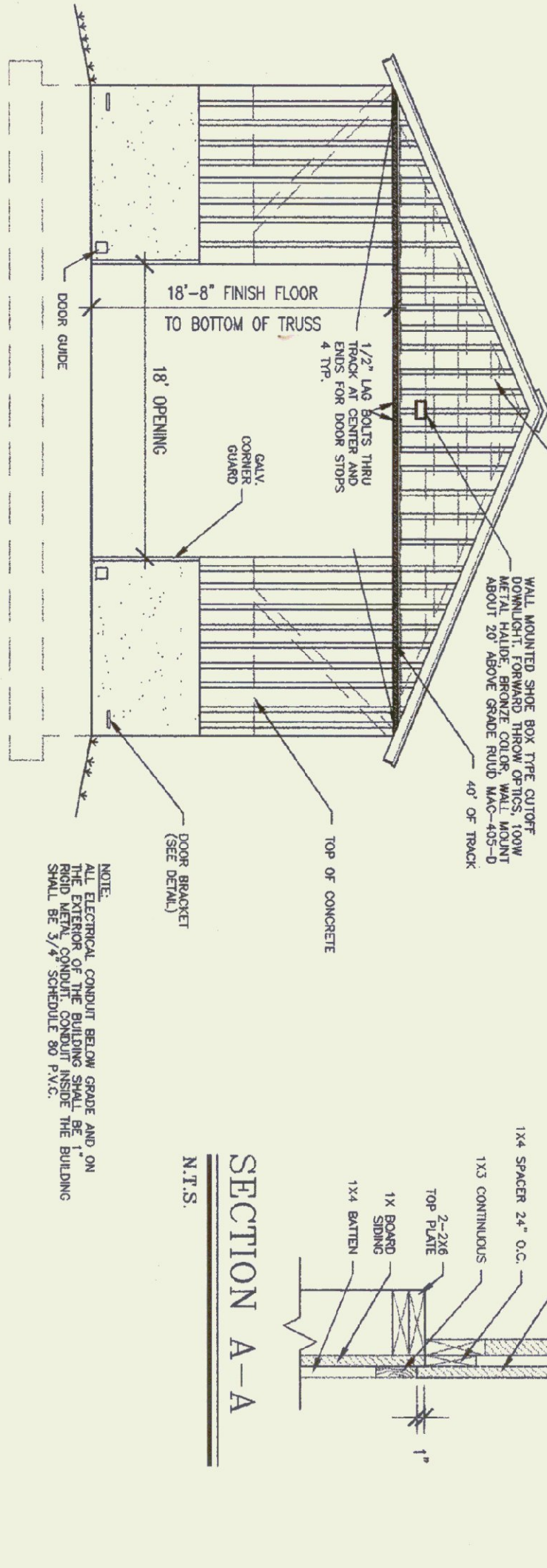


SECTION B-B
 SCALE: 1" = 1'-0"

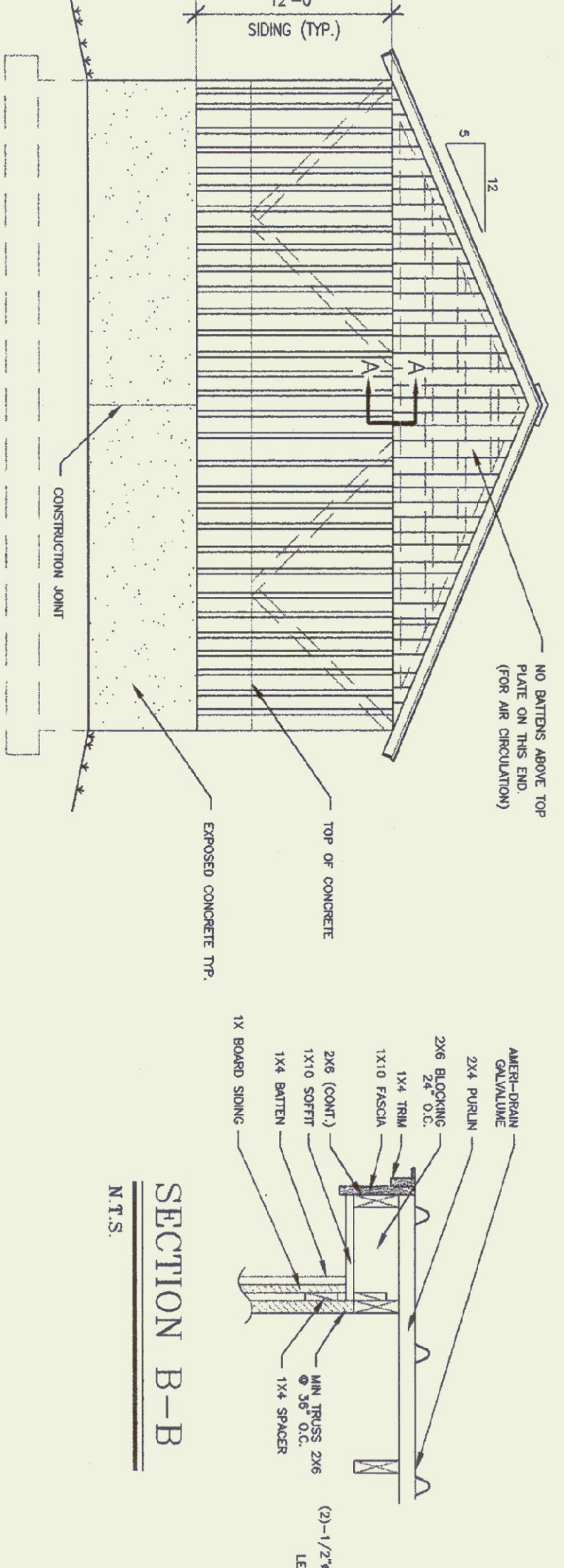
STATE OF VERMONT DEPARTMENT OF STATE BUILDINGS AGENCY OF ADMINISTRATION MONTPELIER, VERMONT			
VERMONT AGENCY OF TRANSPORTATION SAND TRAP PLAN & SECTIONS AND DRAINAGE PLAN 5 BAY MAINTENANCE GARAGE LUDLOW, VERMONT			
DATE: AUG. 1998	SCALE: AS NOTED	REVISIONS:	DWG. NO. S-3
DRAWN BY: A. POULIN	APPROVED BY:		24 OF 30



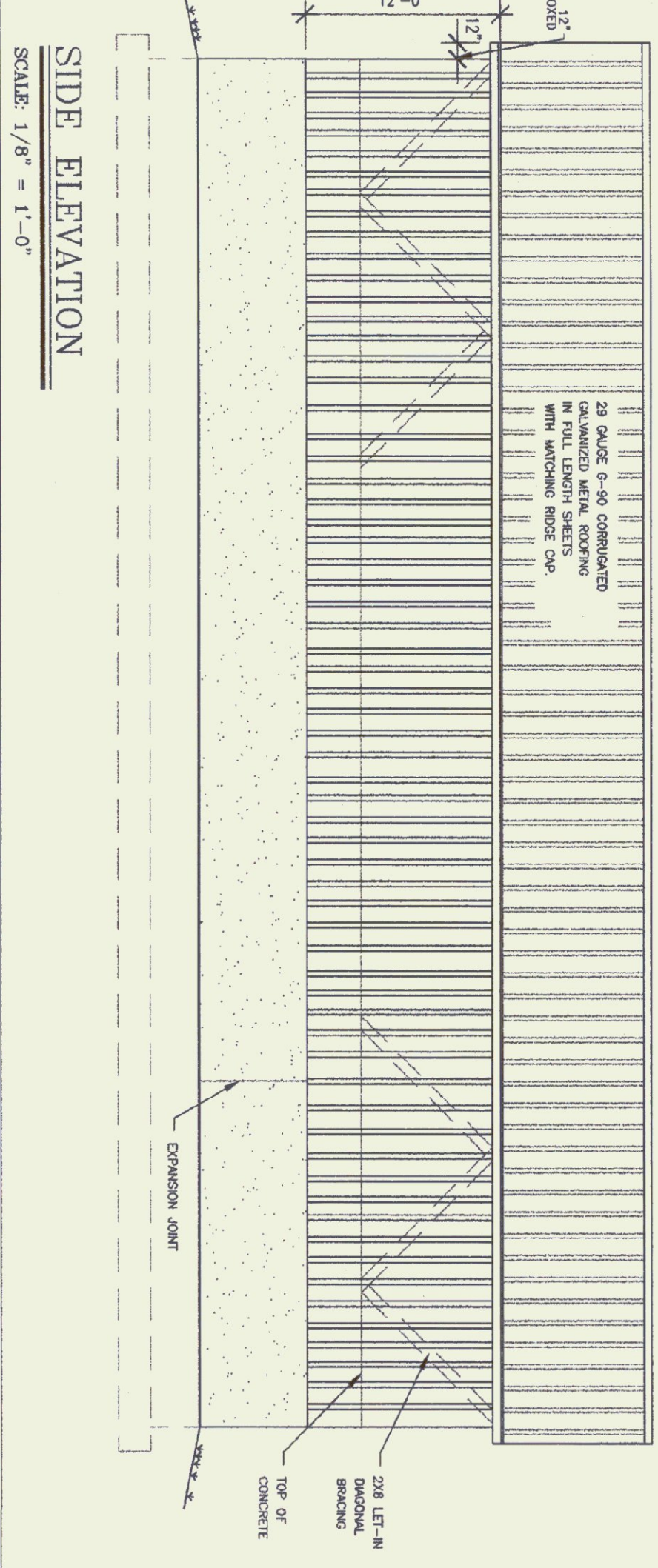
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



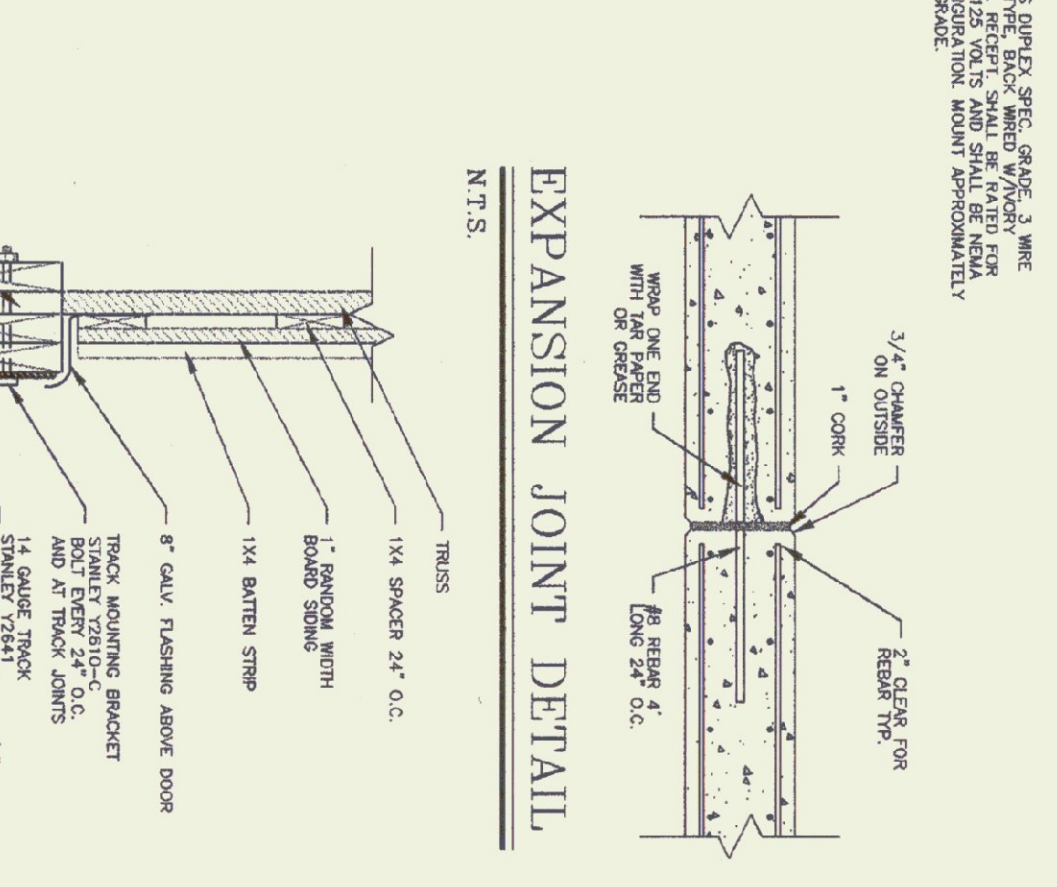
FRONT ELEVATION
SCALE: 1/8" = 1'-0"



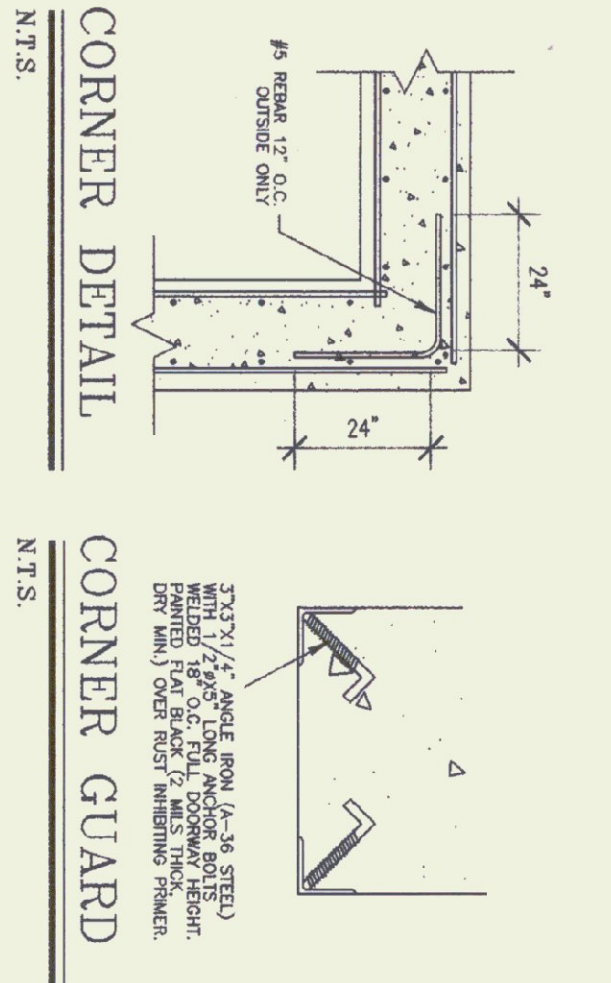
BACK ELEVATION
SCALE: 1/8" = 1'-0"



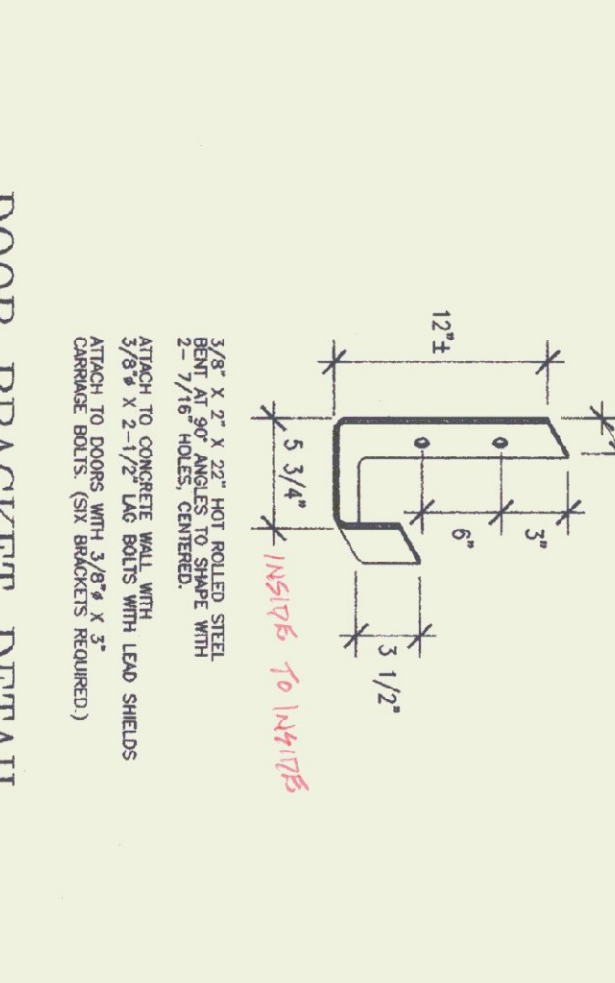
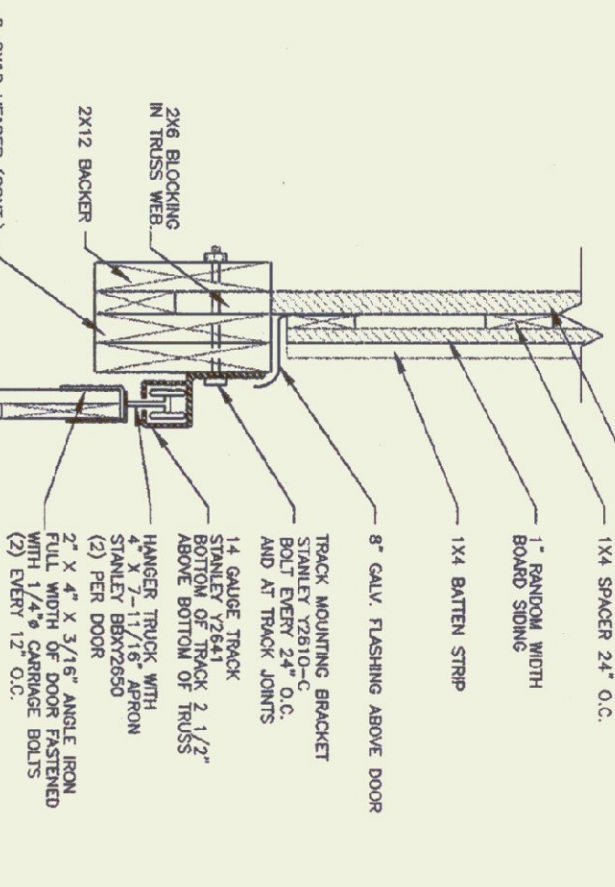
SIDE ELEVATION
SCALE: 1/8" = 1'-0"



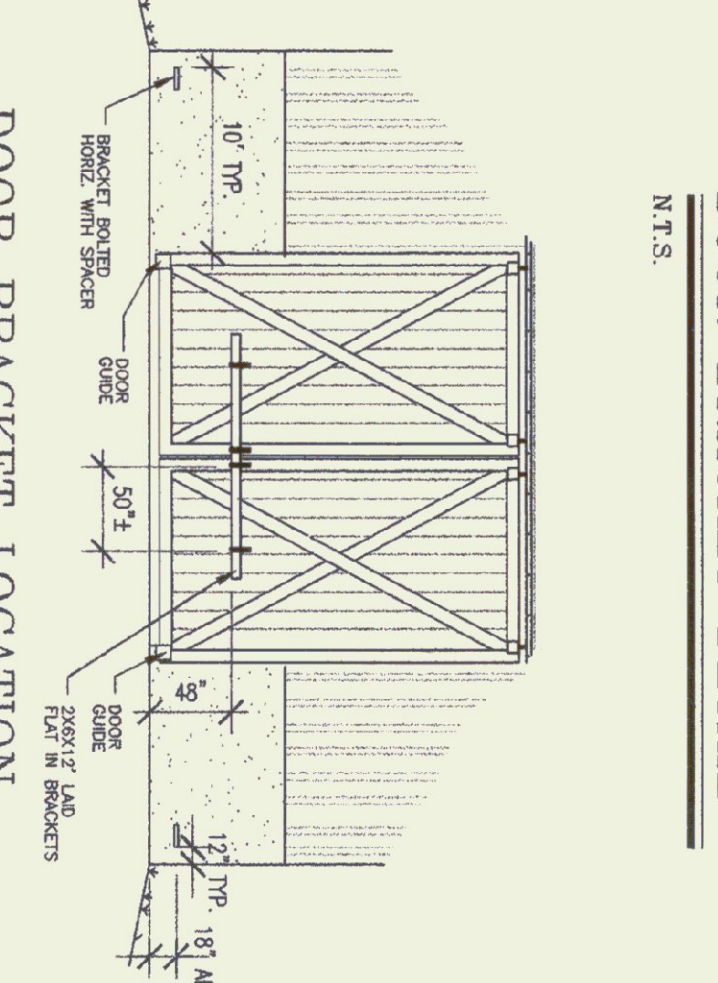
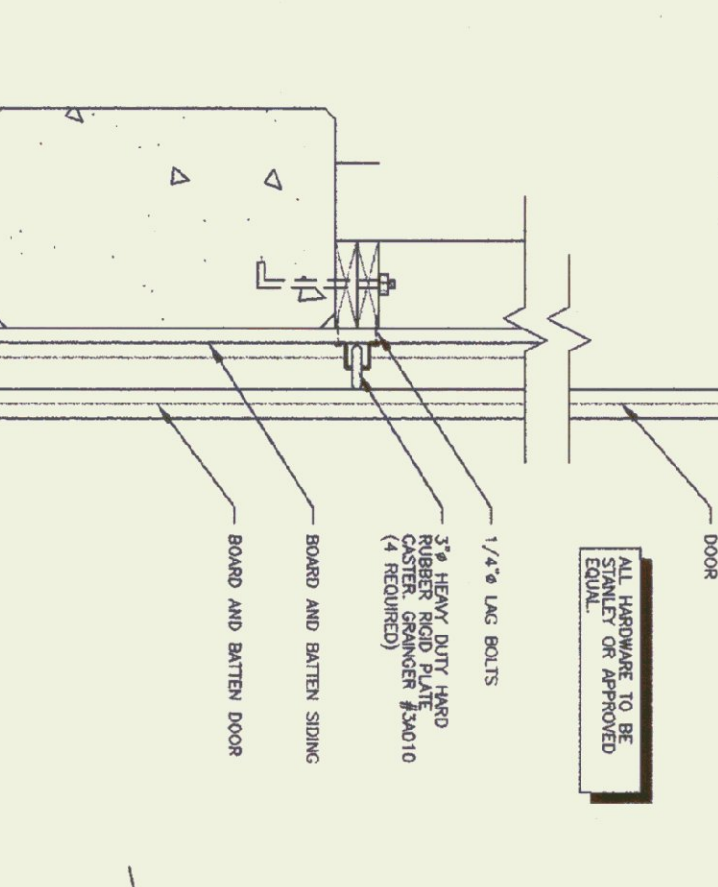
EXPANSION JOINT DETAIL
N.T.S.



CORNER DETAIL
CORNER GUARD
N.T.S.



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



DOOR BRACKET LOCATION
EXT. DOOR DETAIL
N.T.S.

GENERAL NOTES:

- ALL MATERIAL TO BE FURNISHED BY CONTRACTOR.
- ALL EXPOSED METAL, EXCEPT GALVANIZED (CORNER ANGLES, DOOR GUIDES, BRACKETS ETC.) SHALL BE PAINTED FLAT BLACK (2 MILS THICK, GRAY, MIN.) OVER ROUGH FINISHING PRIMER.
- ALL ELECTRICAL WORK SHALL COMPLY WITH N.E.C.
- ALL FASTENERS AND CONNECTIONS SHALL BE FASTENED USING APPROPRIATELY SIZED FASTENERS & ACCORDING TO INDUSTRY STANDARDS.

TRUSS NOTES:

- TRUSS MANUFACTURER TO PROVIDE THE DEPT. OF STATE BUILDING ENGINEER TRUSS MANUFACTURER AND SHOWN DIMENSIONS FOR APPROVAL. FINISH TO TRUSS MANUFACTURER FOR PROPER TRUSS INSTALLATION, ANCHORAGE, BRACING, LIFTING, ETC.
- TRUSS DESIGN IN ACCORDANCE WITH THE 1987 B.C.C.A. FOR VERTICAL MINIMUM LOADS:
- LIVE - 60 P.S.F. - PER 1994 VERMONT FIRE PROTECTION CODE.
- DEAD - AS CALCULATED FROM TRUSS AND ROOF MATERIALS AND IN ADDITION WIND - 25 P.S.F.
- DIAGONAL BRACING PER TRUSS MANUFACTURER AND PER MANUAL TRUSS BRACING DETAIL IN SPECIFICATIONS.

FINISH NOTES:

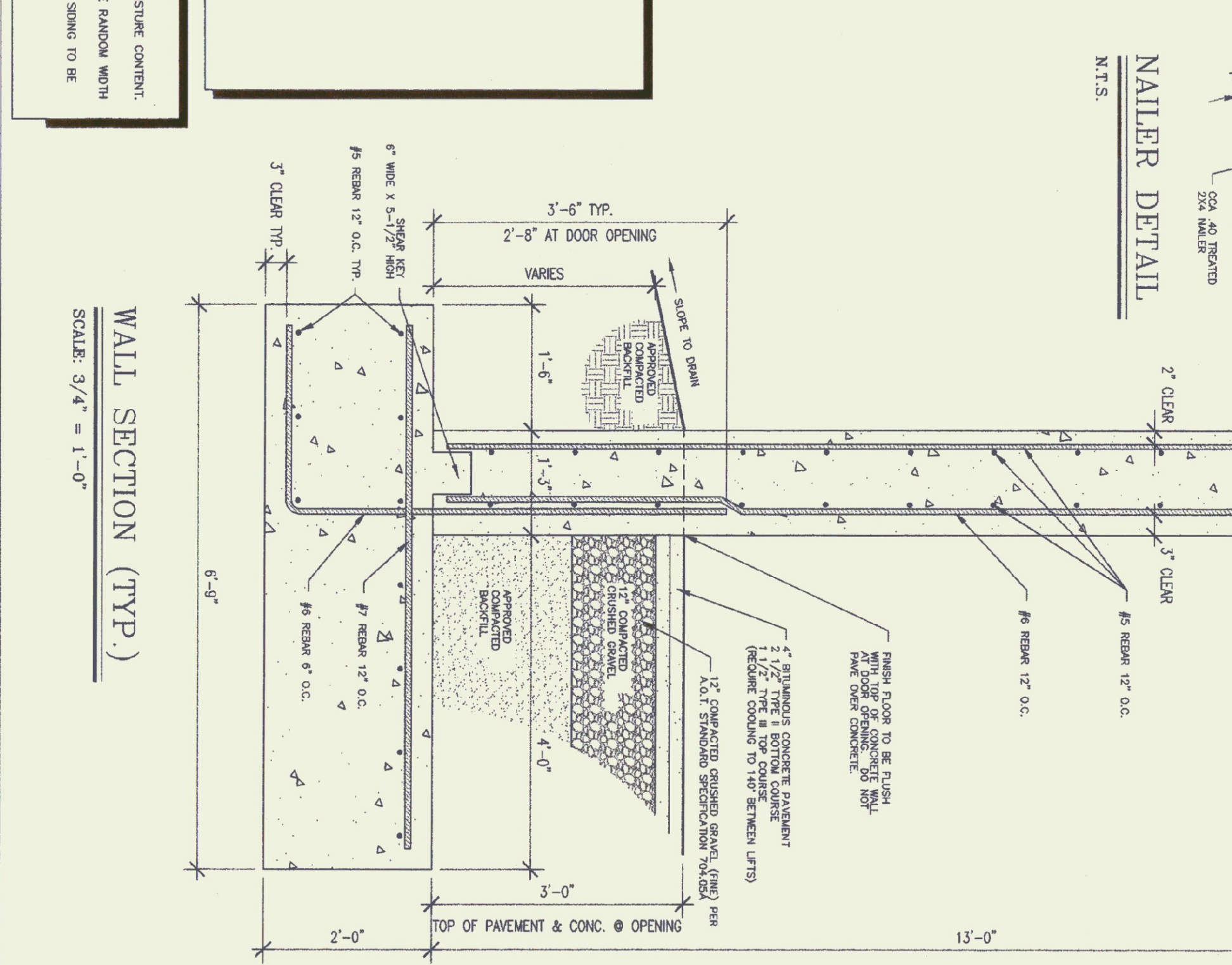
- ALL BOARDS & BATTENS TO BE STAINED WITH ONE COAT ALL SURFACES PRIOR TO INSTALLATION.
- AFTER INSTALLATION EXTERIOR SIDING TO RECEIVE (1) ADDITIONAL COAT OF STAIN.
- STAIN MANUFACTURER & THE SECOND COAT WILL BE LEFT TO THE OWNER.

CONCRETE NOTES:

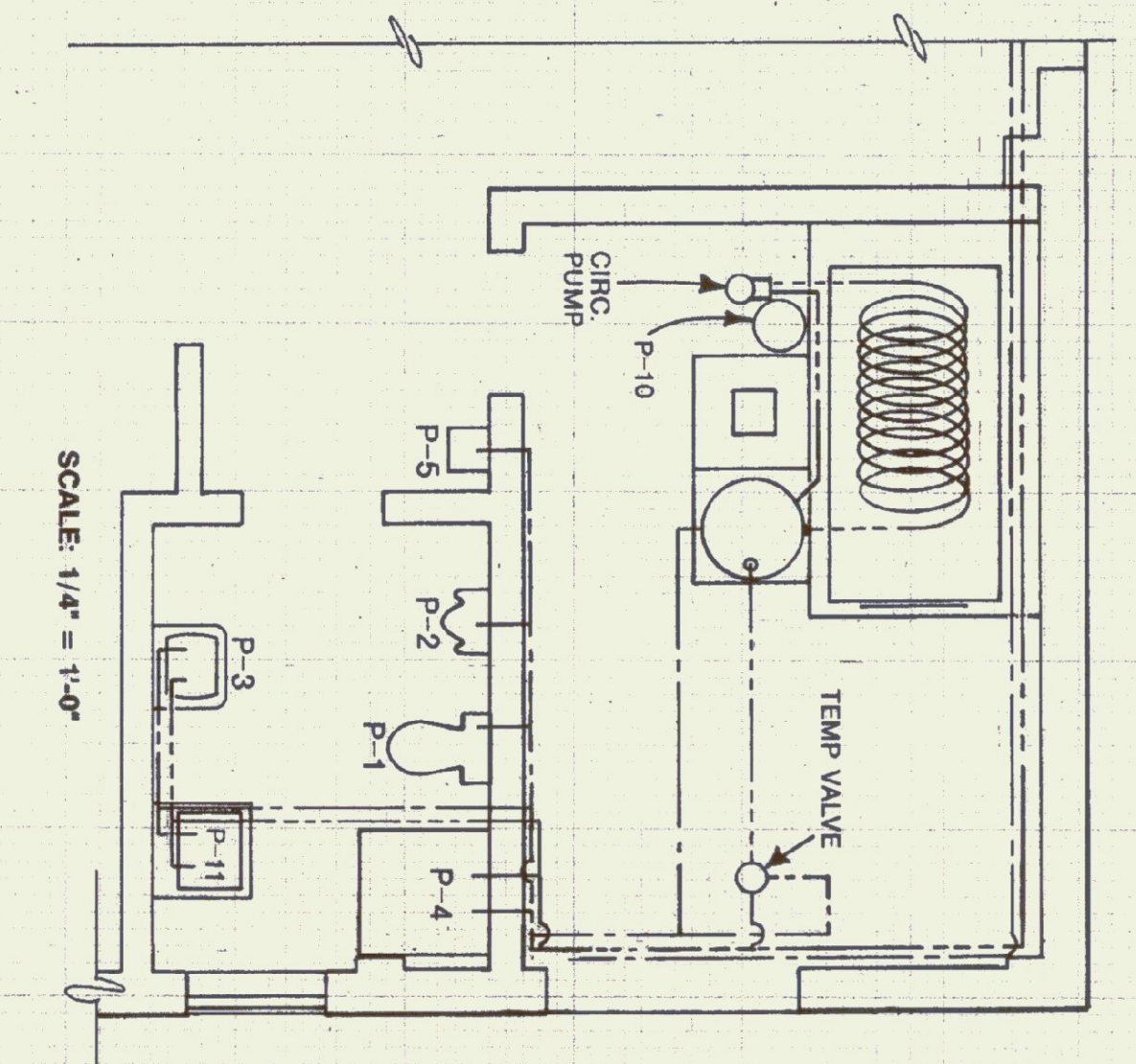
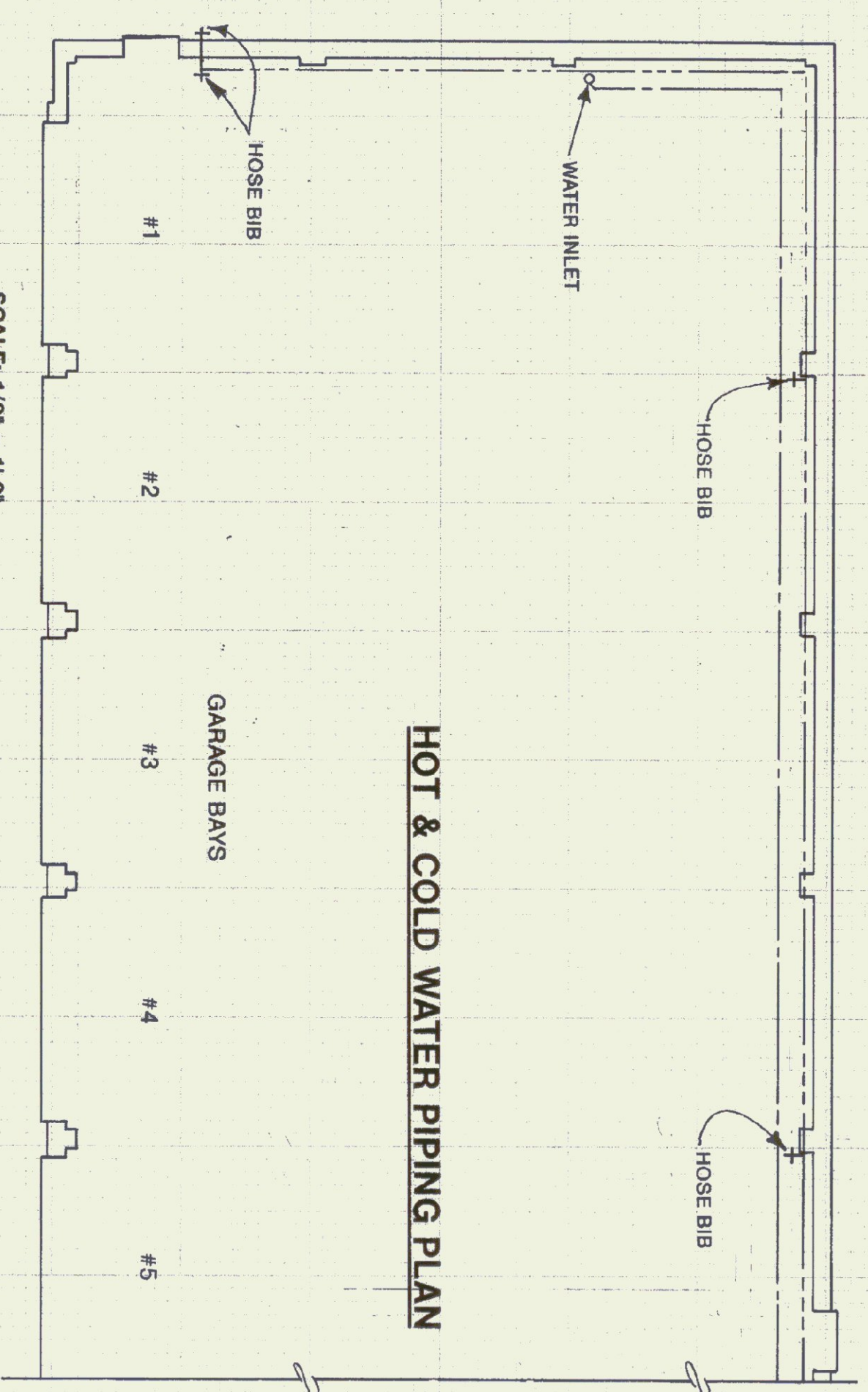
- ALL CONCRETE TO BE 3000 P.S.I. @ 28 DAYS WITH A MAXIMUM SLUMP OF 4".
- CONCRETE TO BE CLASS "B" PER A.O.T. STANDARD SPECIFICATION 501.25 WITH 65 - 85 AIR ENTRAINMENT.
- 1/2" V. JOINTS IN EXPOSED FACE OF CONSTRUCTION JOINTS.
- 3/4" CHAMFER ON EACH FACE OF CONSTRUCTION JOINTS.
- GALVANIZED L. IRON CAST AND WALL CORNERS AT DOOR OPENINGS.
- RE-DOOR TO BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
- NO HORIZONTAL CONSTRUCTION JOINTS IN WALLS - CONTINUOUS POUR.
- NO CONSTRUCTION OR EXPANSION JOINTS REQUIRED IN FOOTINGS.
- CONTRACTOR TO LEAVE NO METAL WITHIN 1" OF SURFACE. USE WITH AN APPROVED NON-SILICIOUS GROUT.
- ALL RE-DOOR TO BE GRADE 60.
- RE-DOOR TO BE STORPED ON BLOCKING 4" MIN. ABOVE GROUND.
- CONCRETE SUPERIOR TO PROVIDE TEST CHUNDERS FOR CONCRETE TESTING.
- ALL CONCRETE TESTING TO BE DONE BY OWNER. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING.
- EXPOSED WALLS TO BE DRESS FINISHED PER A.O.T. SPECIFICATIONS.

LUMBER NOTES:

- ALL LUMBER TO BE DRESSED ONE COAT GRADE SERVICE 54S MAX. 10% MOISTURE CONTENT.
- PLATES & NAILERS IN CONTACT WITH CONCRETE TO BE COA. 40 TREATED.
- BOARD & BATTEN SIDING TO BE S.A.M.E. ROUGH SAWN WHITE PINE BOARDS TO BE RANDOM WIDTH 8"-12" - BATTEN WITH 3".
- ROUNDER SIDING & BATTEN SIDING TO BE FULL LENGTH (NO HORIZONTAL JOINTS) SIDING TO BE RANDOM WIDTH.
- ALL NAILS TO BE GALVANIZED.

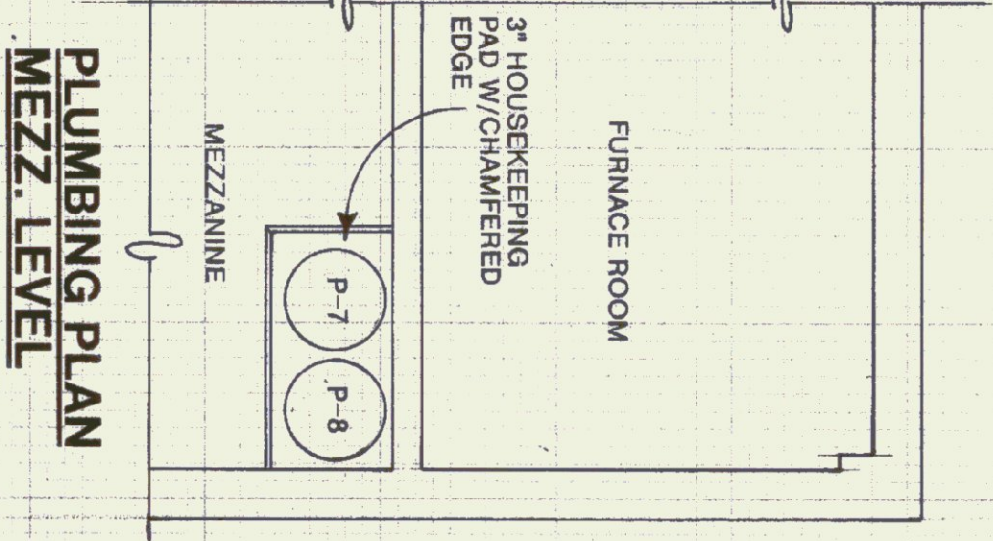


WALL SECTION (TYP.)
SCALE: 3/4" = 1'-0"



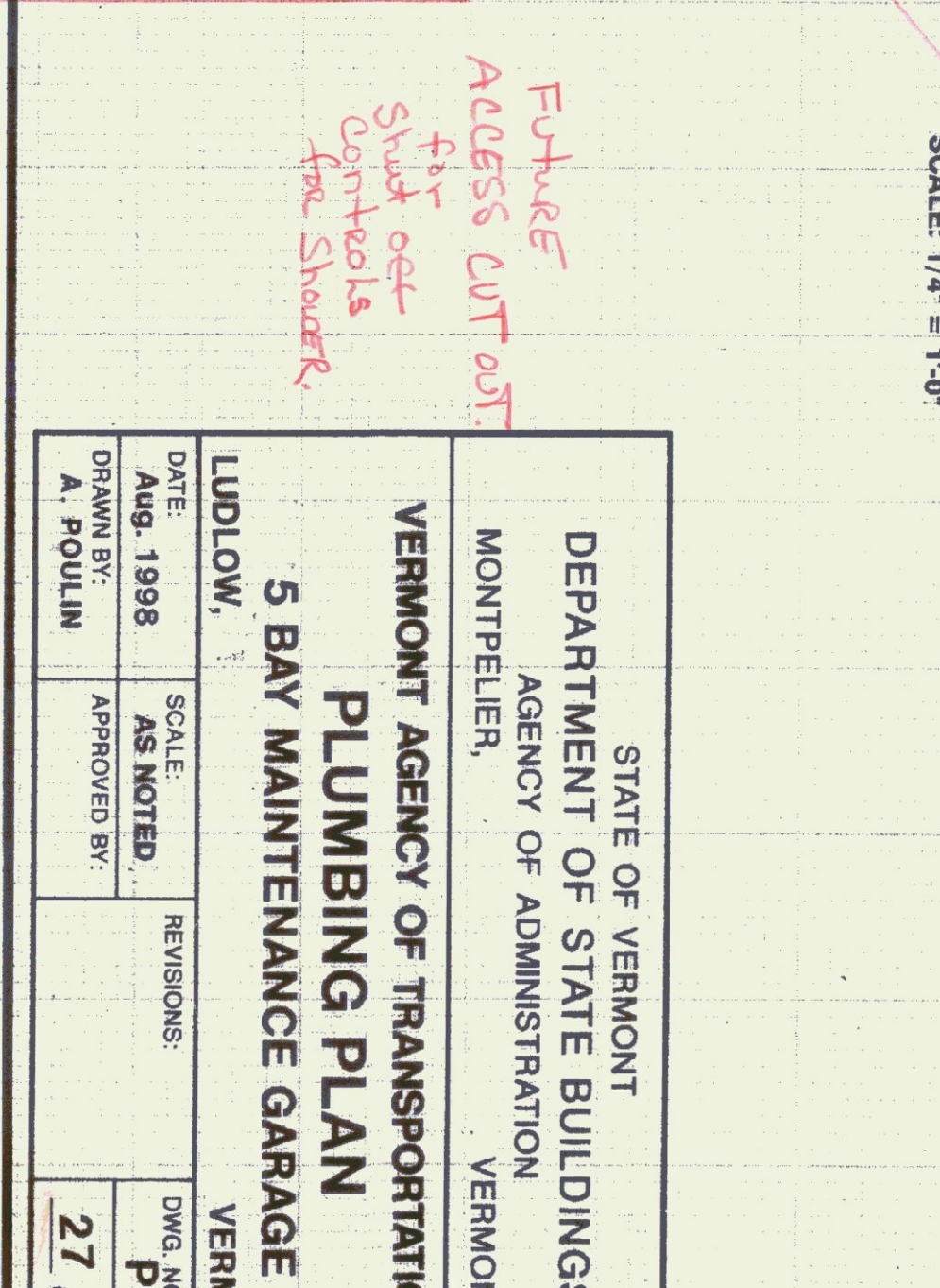
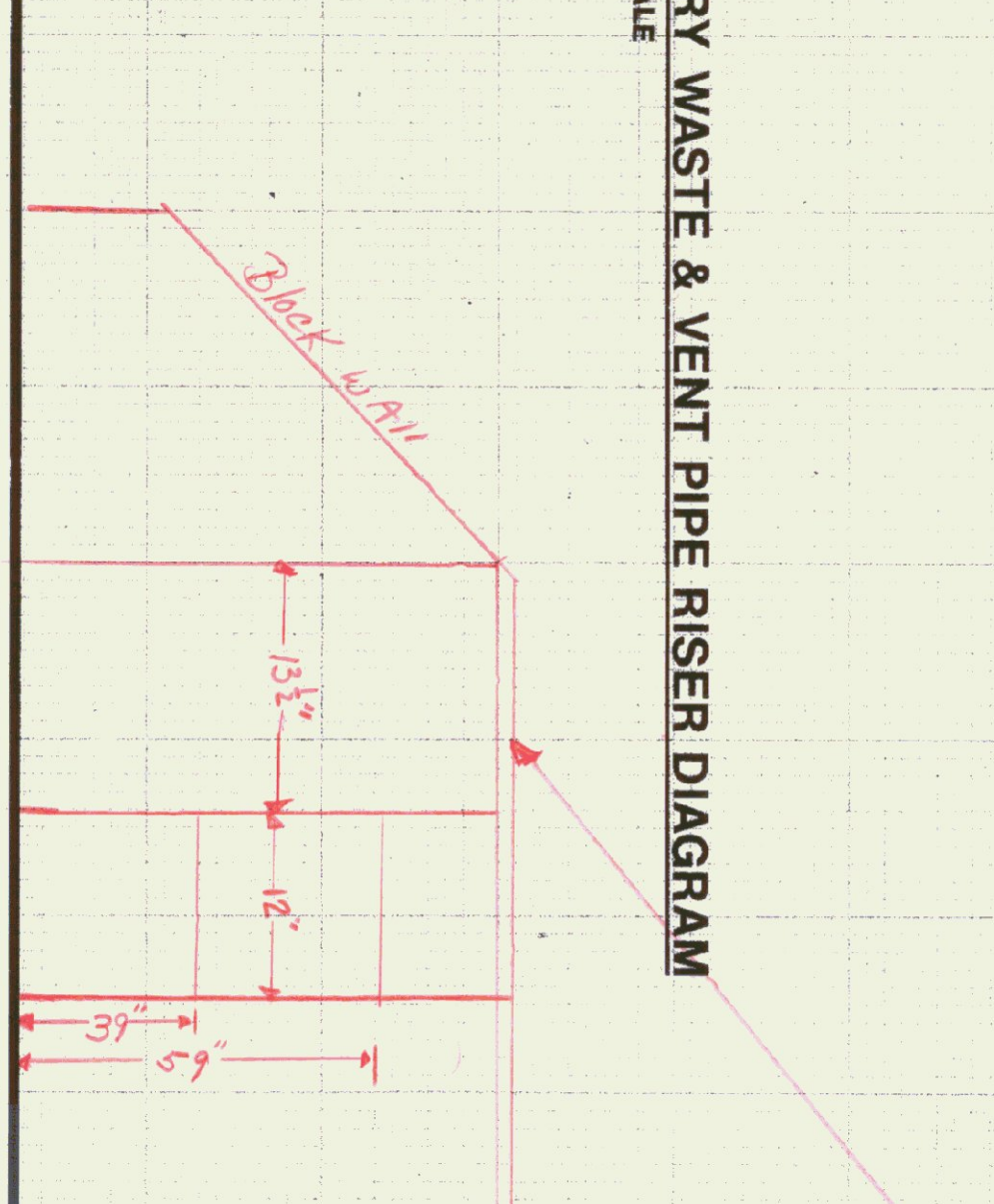
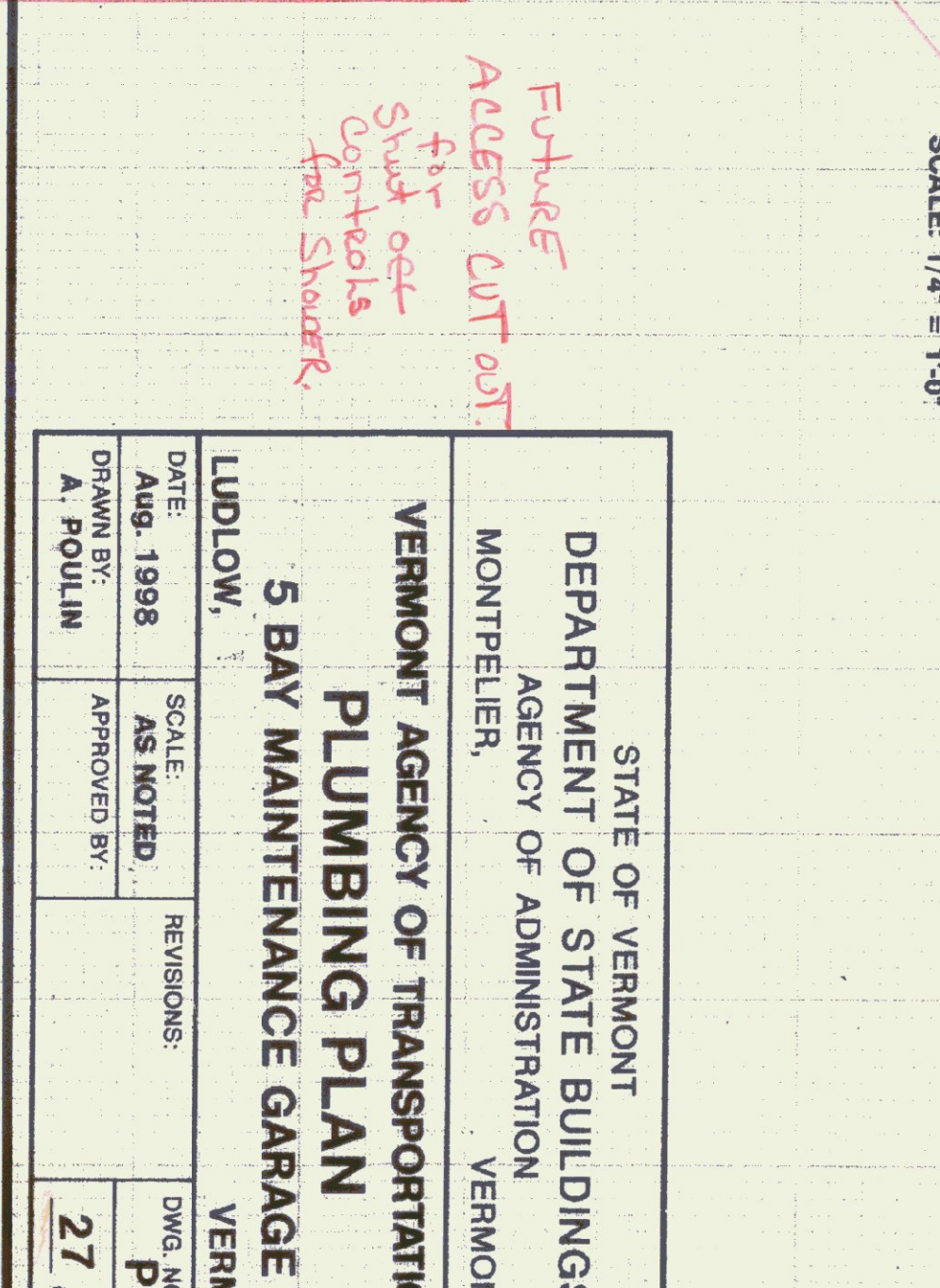
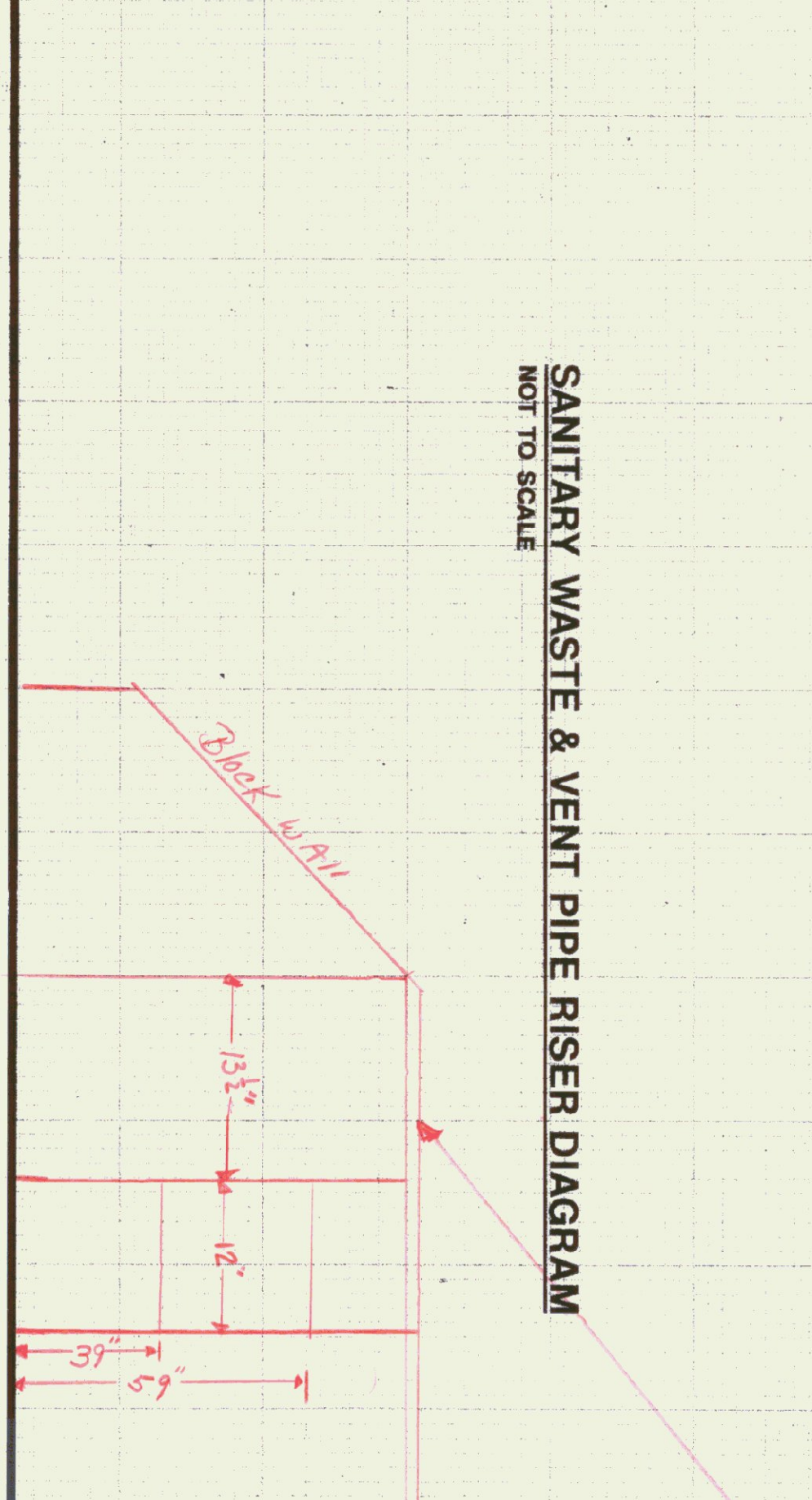
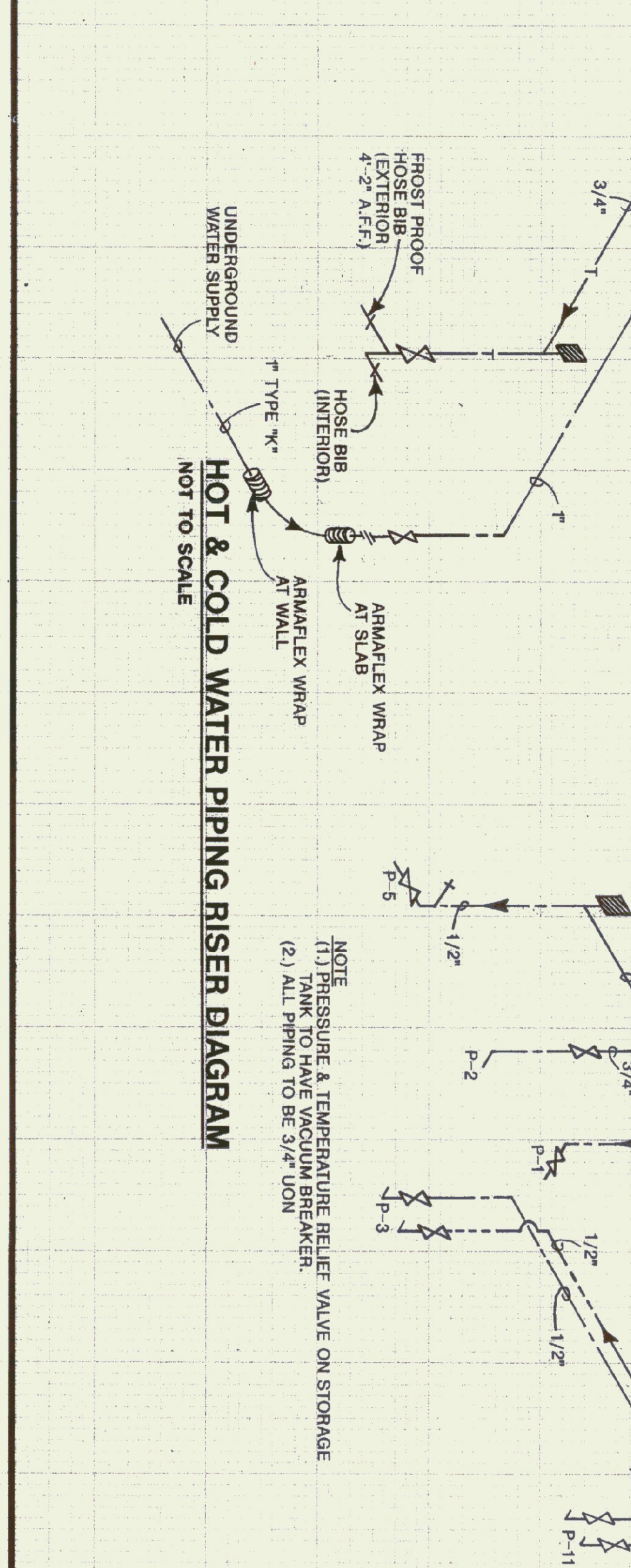
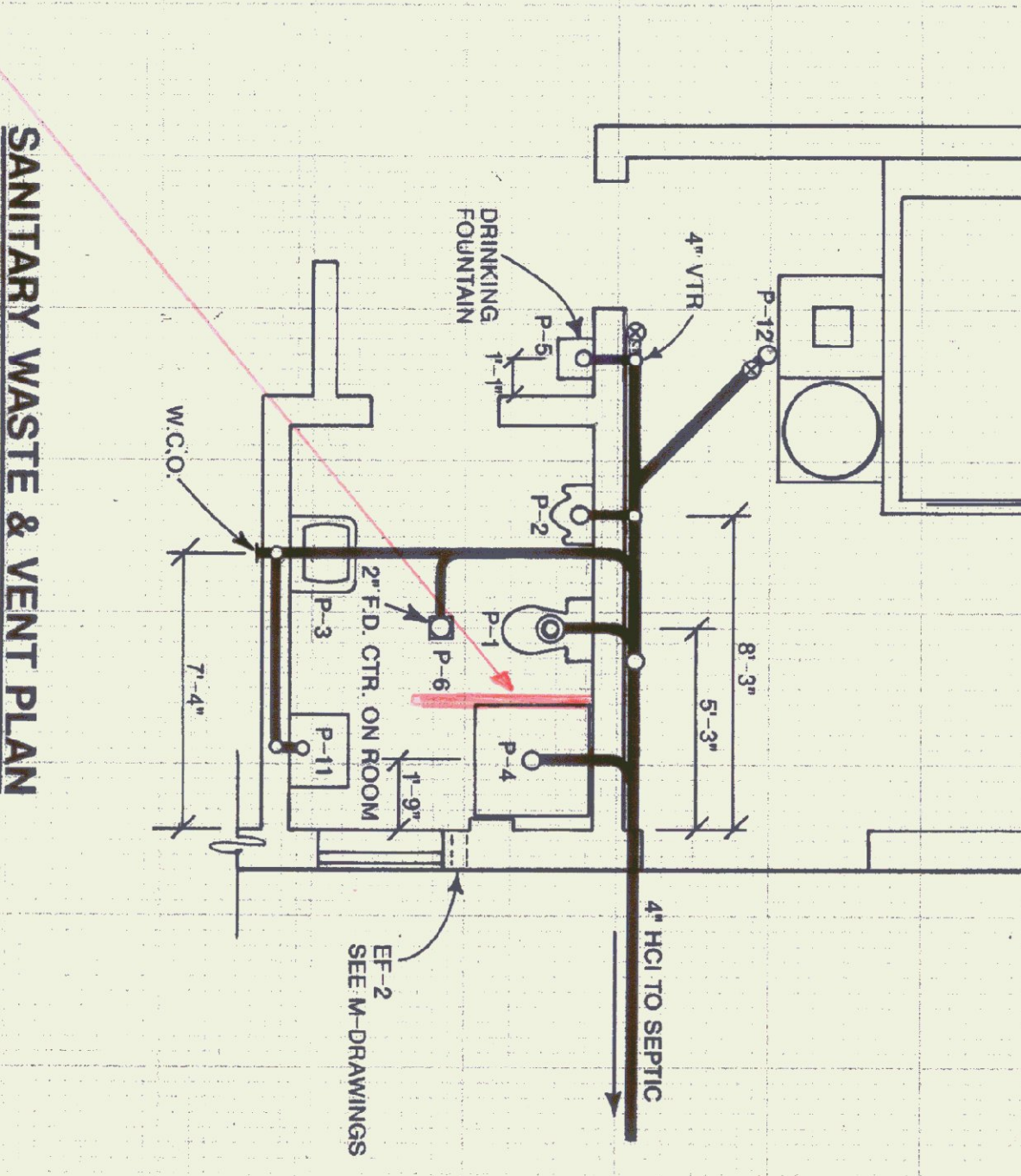
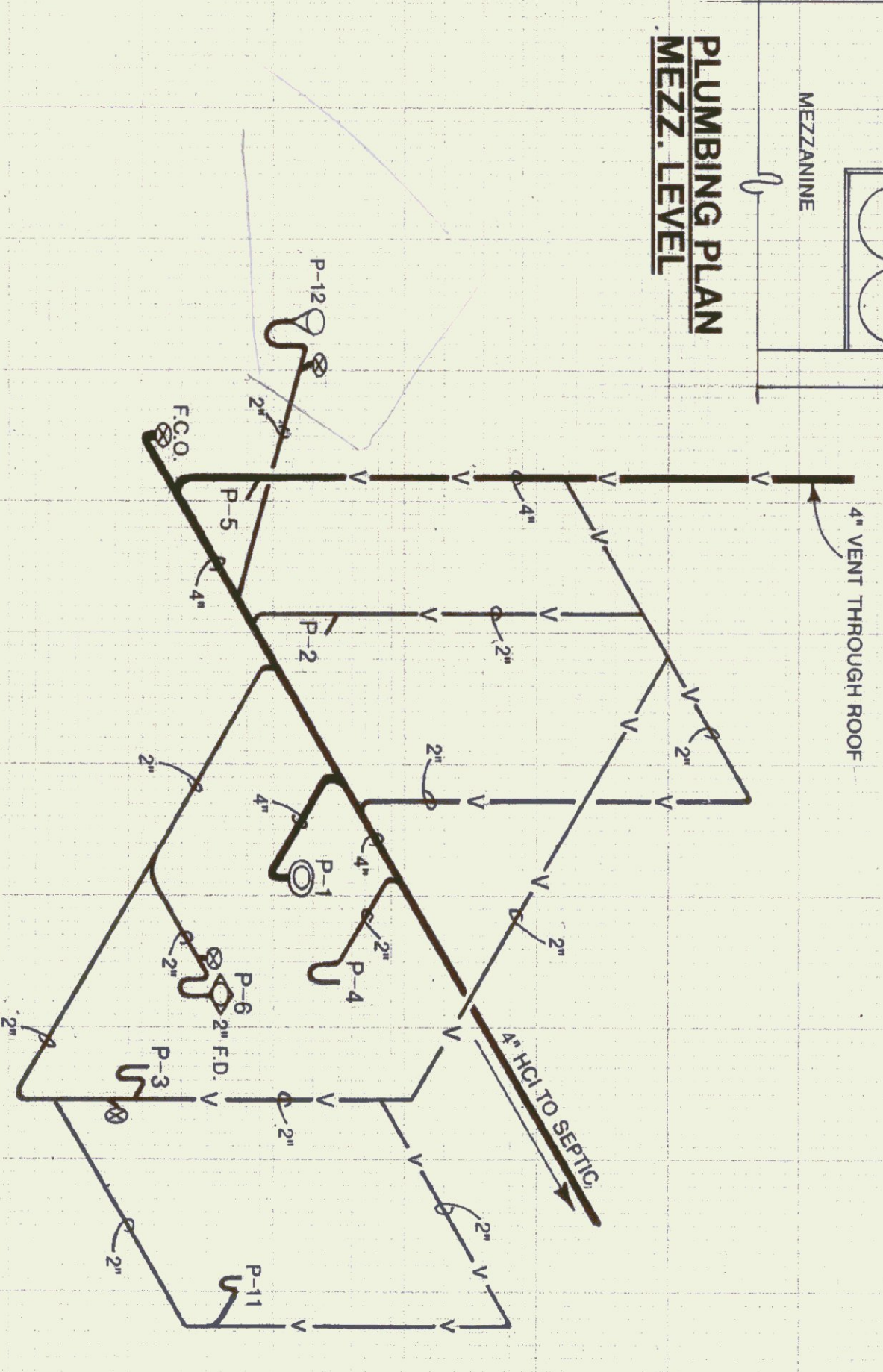
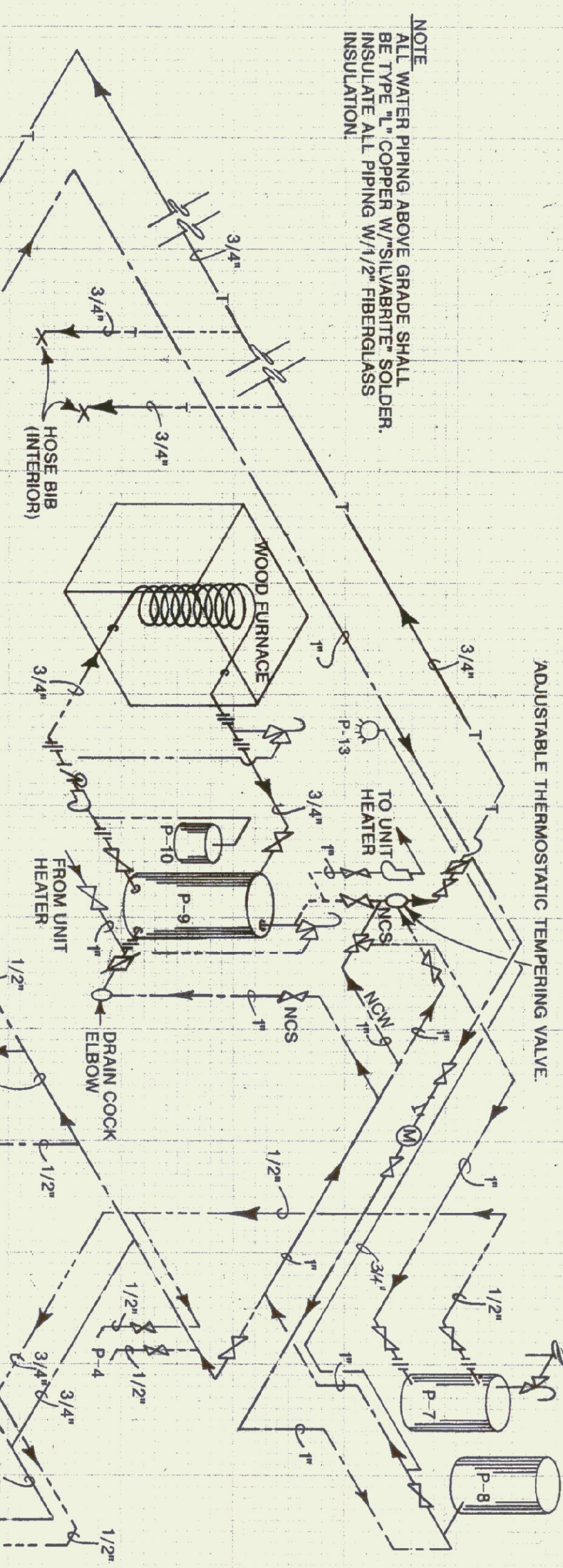
PLUMBING SYMBOLS FOR PIPING, VALVES & FITTINGS

	COLD WATER		UNION
	HOT WATER		HOSE BIB
	PTR VALVE DRAIN		FLOOR DRAIN W/ P-TRAP
	WASTE PIPING		TOILET FLANGE
	VENT PIPING		FLOOR CLEANOUT
	GATE OR BALL VALVE		NORMALLY CLOSED IN SUMMER
	TEMPERED WATER		NORMALLY CLOSED IN WINTER
	CHECK VALVE		CIRCULATOR-TACO 006
	BACKFLOW PREVENTER		BRONZE WATER METER
	DRAIN DOWN TO P-12 CUT END OF PIPE @ 45°		WAVE STRAINER
	PRESSURE & TEMP RELIEF VALVE W/ DRAIN TO P-12 CUT END OF PIPE @ 45°		3 WAY BALL VALVE
	WATER HAMMER ARRESTOR		



FIXTURE SCHEDULE

ABB.	FIXTURE	DESCRIPTION	NOTES	DRN.	VENT	COLD	HOT
P-1	TOILET	AMERICAN STANDARD #CADET #2108 600 WHITE VITREOUS CHINA, HANDICAP, FLOOR MOUNT, TANK TYPE, ELONGATED, WATER SAVER, SIPHON JET ACTION, CLOSE COUPLED WITH AQUAGUARD LINER, 18" HIGH SEAT TO BE ELONGATED, OPEN FRONT WITH BOLT CAPS. PROVIDE SUPPLY STOP.	MOUNT WITH RIM @ 17"	4"	2"	1/2"	-
P-2	URINAL	AMERICAN STANDARD #WASHBLOCK #6501 010, 3/4" TOP SPUD, WHITE VITREOUS & COMPATIBLE CARRIER.	MOUNT WITH RIM @ 34"	2"	2"	1/2"	1/2"
P-3	LABATORY	AMERICAN STANDARD #DECIYR #0321 026 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 #TELENT # MODEL #2386 000.	MOUNT WITH RIM @ 34"	2"	2"	1/2"	1/2"
P-4	SHOWER	AMERICAN STANDARD #8910 112, WHITE VITREOUS CHINA, SELF CLOSING VALVE. PROVIDE P-TRAP.		4"	4"	1/2"	-
P-5	DRINKING FOUNTAIN	FIBERGLASS, 36" x 36" DURASTALL MODEL 144, WHITE FITTINGS, CHROME SINGLE LEVER CONTROL, PRESSURE BALANCED WITH SCREWDRIVER STOPS. AMERICAN STANDARD #TELENT # #1495 501. PROVIDE A CHROME STRAINER AND P-TRAP.	PROVIDE W/TRAP PRIMER LAVATORY	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 INTERNAL FLOOR CLEANOUT.	PROVIDE P & T RELIEF VALVE	-	-	1/2"	1/2"
P-7	WATER HEATER	30 GAL. ENERGY SAVING WITH 2" FOAM INSULATION, 20 GPH RECOVERY AT 90° TEMP. RISE. BRADFORD-WHITE MODEL MIT-30R6 OR APPROVED EQUAL.	PROVIDE P & T RELIEF VALVE & VACUUM BREAKER	-	-	3/4"	3/4"
P-8	PRESSURE TANK	PROVIDED BY WELL CONTRACTOR		-	-	-	-
P-9	STORAGE TANK	STONE LINED 120 GAL. TANK		-	-	3/4"	3/4"
P-10	EXPANSION TANK	AMTROL #THERM-X-TROL ST-25V		-	-	-	3/4"
P-11	LAUNDRY TUB	FAT L-1, WALL HUNG, W/ STRAINER & PLUG.	MOUNT WITH RIM @ 34"	1 1/2"	1 1/2"	1/2"	1/2"
P-12	INDIRECT WASTE DRAIN	J. R. SMITH #3960		2"	-	-	-
P-13	LIMITED AREA SPRINKLER	INTERMEDIATE TEMPERATURE CLASSIFICATION (175-225) COLOR BRONZE WITH FRANGIBLE ELEMENT		-	-	3/4"	-
⊗	CLEANOUTS	AS INDICATED OR REQUIRED BY CODE. CLEANOUTS SAME SIZE AS PIPE. FLOOR CLEANOUTS TO BE SET FLUSH W/ FLOOR. ZURN MODEL Z-1400-1 OR APPROVED EQUAL. WALL C.O.'S SHALL BE ZURN MODEL Z-1400-1 OR APPROVED EQUAL.		-	-	-	-



STATE OF VERMONT
DEPARTMENT OF STATE BUILDINGS
AGENCY OF ADMINISTRATION
VERMONT

VERMONT AGENCY OF TRANSPORTATION
PLUMBING PLAN
5 BAY MAINTENANCE GARAGE
VERMONT

LUDLOW,
DATE: Aug. 1998
DRAWN BY: A. ROULIN

SCALE: AS NOTED
APPROVED BY:

REVISIONS:
DWG. NO. P-1
27 OF 30

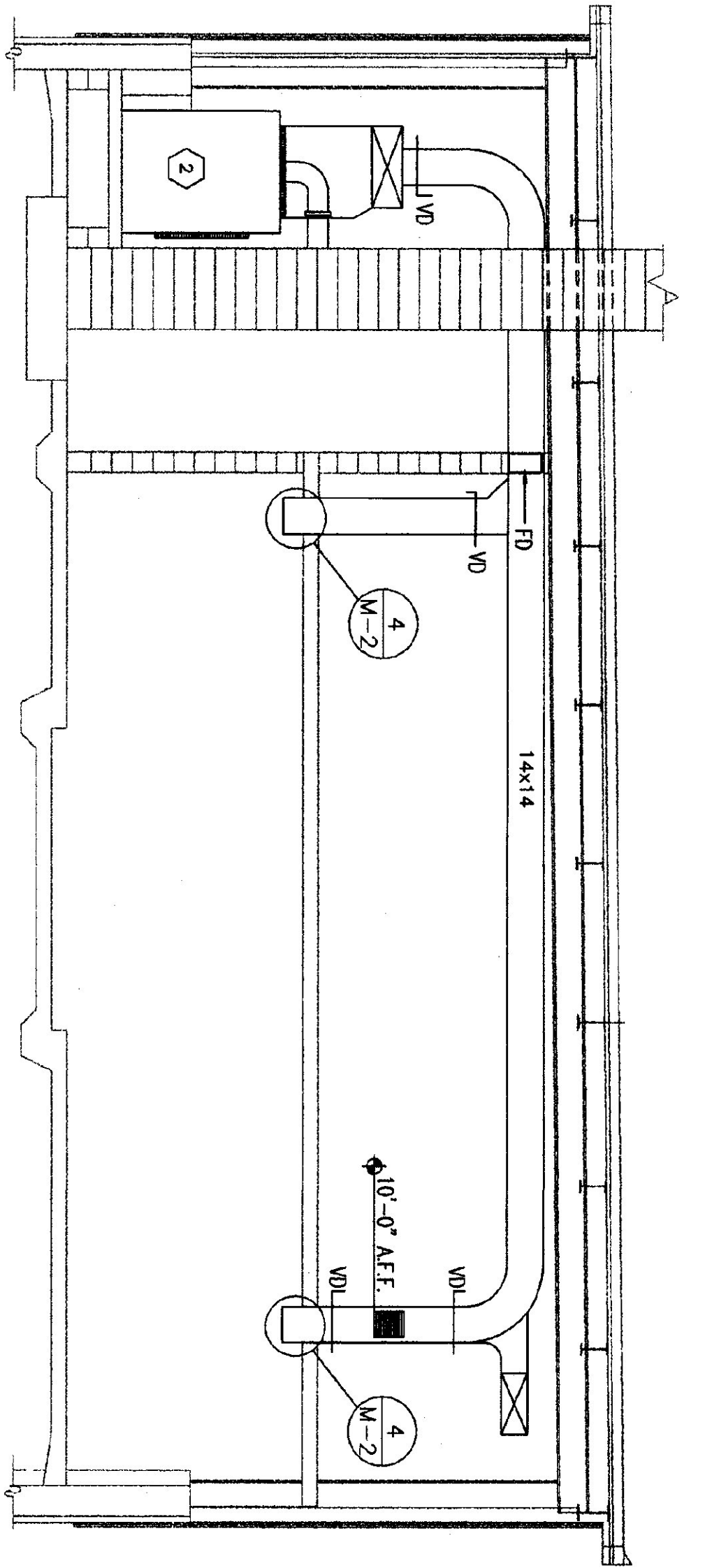
NOTE: ALL WATER PIPING ABOVE GRADE SHALL BE INSULATED WITH 1" MIN. INSULATION. INSULATE ALL PIPING W/ 1/2" FIBERGLASS INSULATION.

NOTE: (1) PRESSURE & TEMPERATURE RELIEF VALVE ON STORAGE TANK TO HAVE VACUUM BREAKER.
(2) ALL PIPING TO BE 3/4" UON

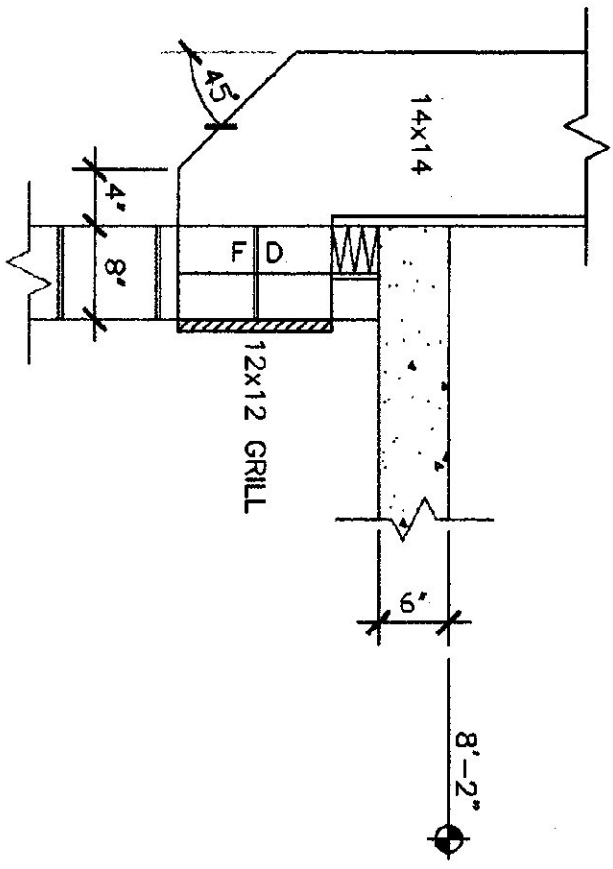
NOTE: FUTURE AIR CONTROL FOR SHOWER ACCESS CUT OUT.

Back Wall

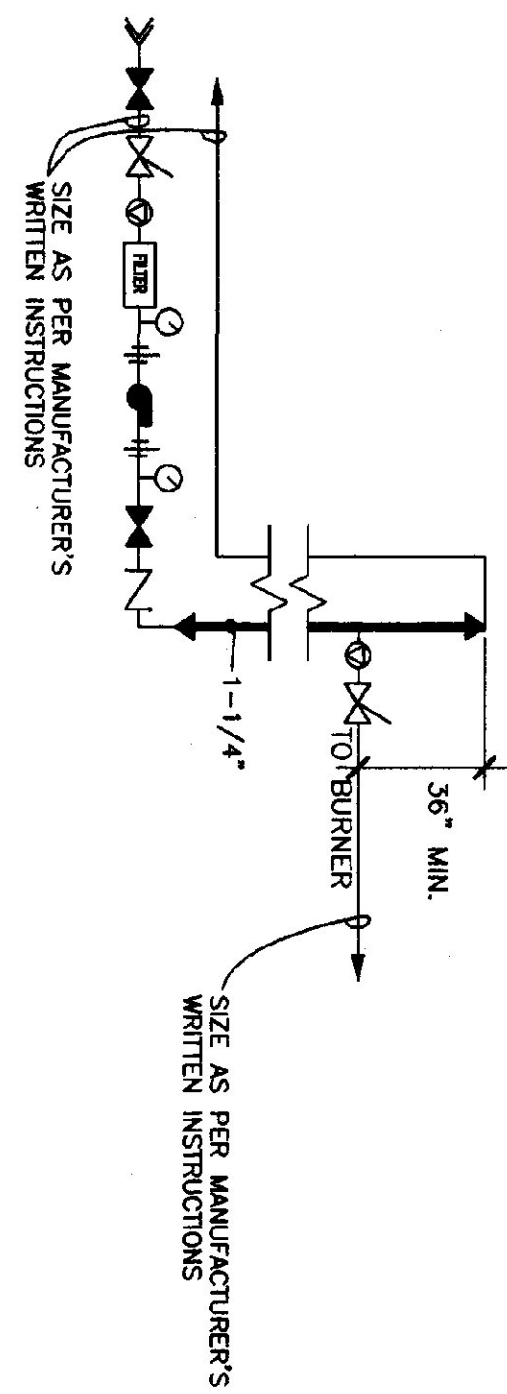
SEE M-DRAWINGS



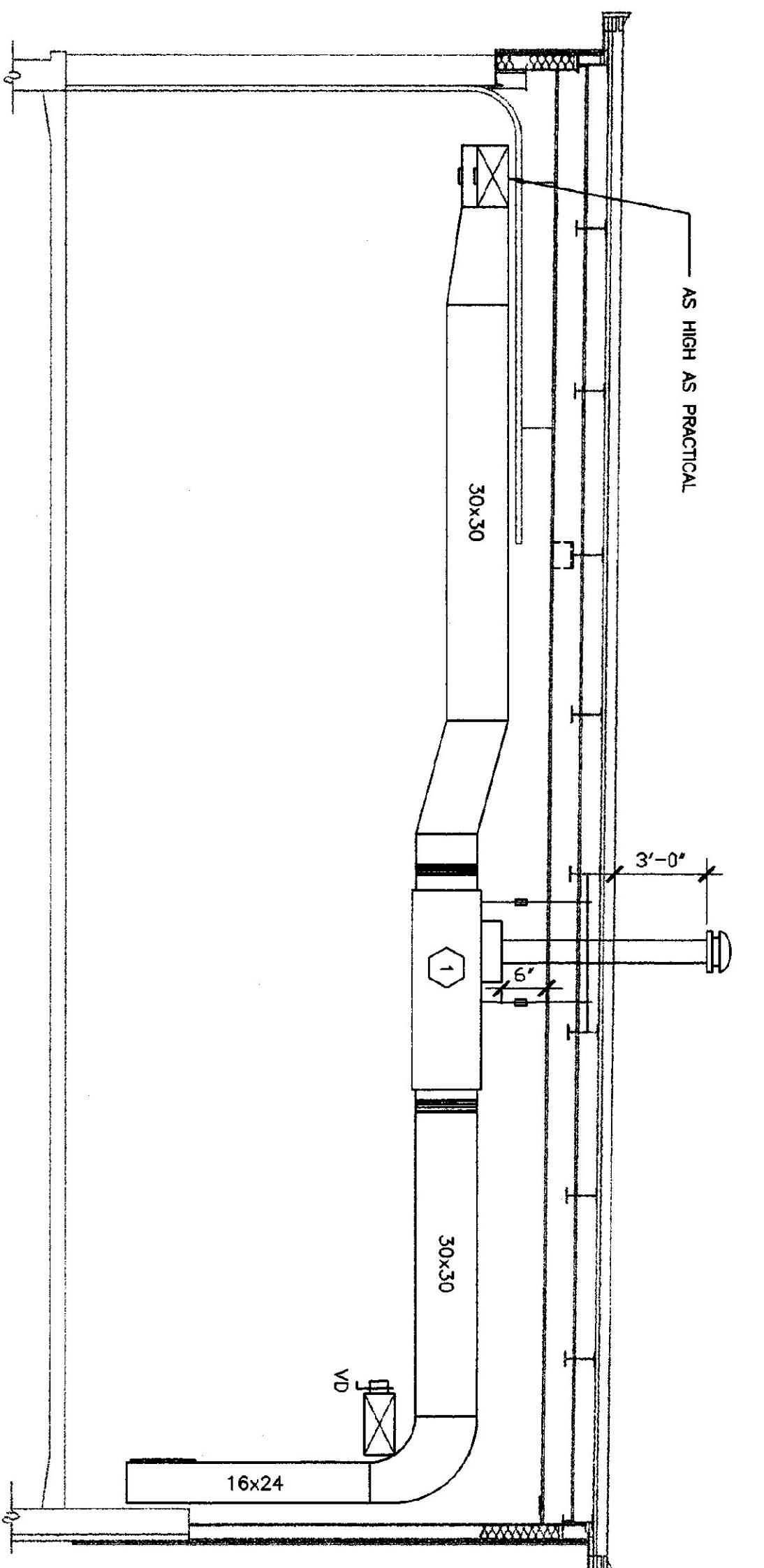
2 SECTION
SCALE: 1/4" = 1' - 0"



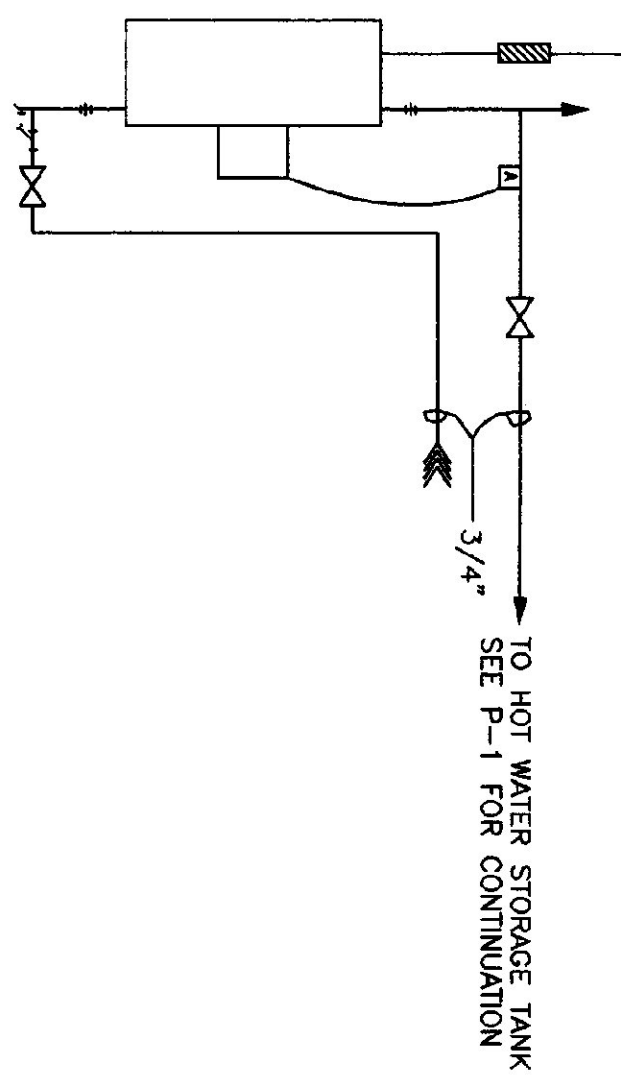
2 DETAIL OF AIR DUCT @ OFFICE & BATHROOM
SCALE: 3/4" = 1' - 0"



FUEL PIPING SCHEMATIC
N.T.S.



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



UNIT HEATER PIPING DETAIL
N.T.S.

LEGEND

- FD FIRE DAMPER
- ⊙ THERMOSTAT X, O = OIL
W = WOOD
- ⊕ FULL PORTED BALL VALVE
- ⊖ REPAIR KIT SPRING LOADED W/LEVER & WIRE TO DISABLE TANK & BURNER WEBSTER OSV
- ⊙ PRESSURE MOUNT GAUGE
- ⊕ UNION
- ⊕ AUTOMATIC AIR VENT ON 6" AIR CHAMBER
- ⊕ STRIP ON INQUIRY SET @ 120°
- ⊕ STRAINER
- ⊕ DRAWN
- ⊕ VIBRATION ISOLATOR
- ⊕ FUEL OIL TRANSFER PUMP

FURNACE SCHEDULE

NO.	MAKE/MODEL	BTU OUTPUT	FUEL	CFM	BLOWER HP	VOLTAGE	FUE
1	JACKSON - CHURCH 350-28	280,000	# 2 OIL	3050	3/4	230	9"
2	LYNDALE 1025	500,000	CHUNK WOOD	3410	1	115/230	8"
3	VALCON HP - 120	75,400	HOT WATER	900	1/20	115	-

LOUVERS/DAMPERS

NO.	MAKE	MODEL	SIZE	REMARKS
L-1	VENT PRODUCTS	2750	48 X 48	
MOD-1	VENT PRODUCTS	5813	14 X 14	THREAT COPPERED STILE OPERATORS BLADES NO OPERATOR TO CLOSE DAMPER WHEN OIL FURNACE BLOWER IS ON
MOD-2	VENT PRODUCTS	5813	24 X 10	THREAT COPPERED STILE OPERATOR BLADES N.C. OPERATOR TO CLOSE DAMPER WHEN OIL FURNACE BLOWER IS ON
MOD-3	VENT PRODUCTS	5703	48 X 48	THREAT COPPERED STILE OPERATOR BLADES N.C. TO OPEN WHEN SF-1 IS OPERATING

FAN

NO.	MAKE	MODEL	CFM	SP	VOLT	HP
SF-1	GREENHECK	SFS-24	3577	.125	115	1/4
EF-2	GREENHECK	SME-8-32-E	51	.125	115	1/80

