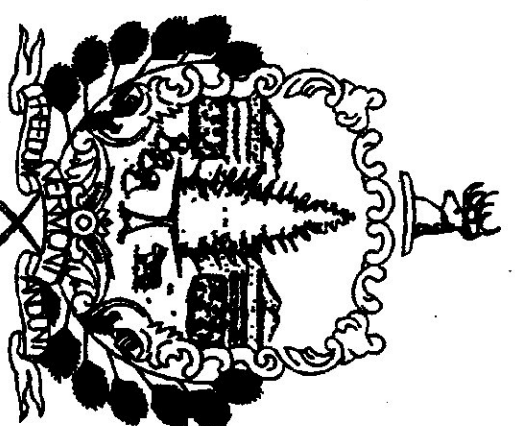


State of Vermont
Department of Buildings & General Services
READSBORO A.O.T GARAGE
PROPOSED MAINTENANCE FACILITY
READSBORO, VERMONT

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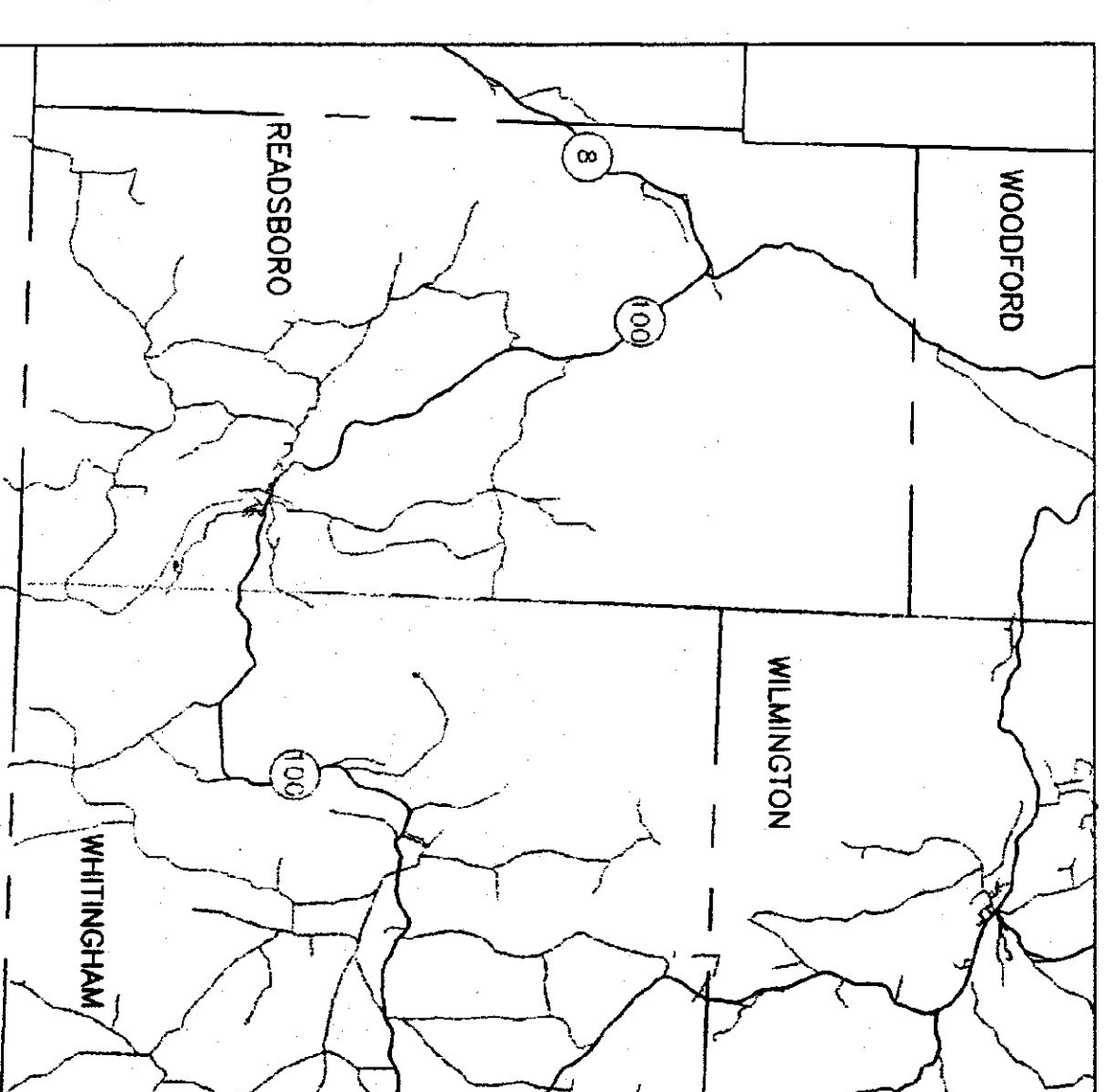
Howard Dean, M.D.
Governor

FEBRUARY, 2002

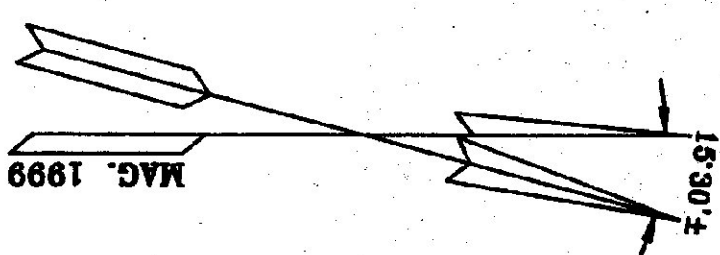
LINESYNC ARCHITECTURE
14 CASTLE HILL
WILMINGTON, VERMONT 05363
PHONE#: (802)464-2526
FAX#: (802)464-2428

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

AGENCY OF ADMINISTRATION
DIVISION OF MAINTENANCE & AIR
NATIONAL LIFE BUILDING
MONTPELIER, VERMONT 05633-5001
BRIAN SEARLES, SECRETARY



PROJECT LOCATION MAP



VT RTE. 100

N 35°59'09" E
421.00'

N 38°43'27" E
202.33'

N 45°40'34" E
166.13'

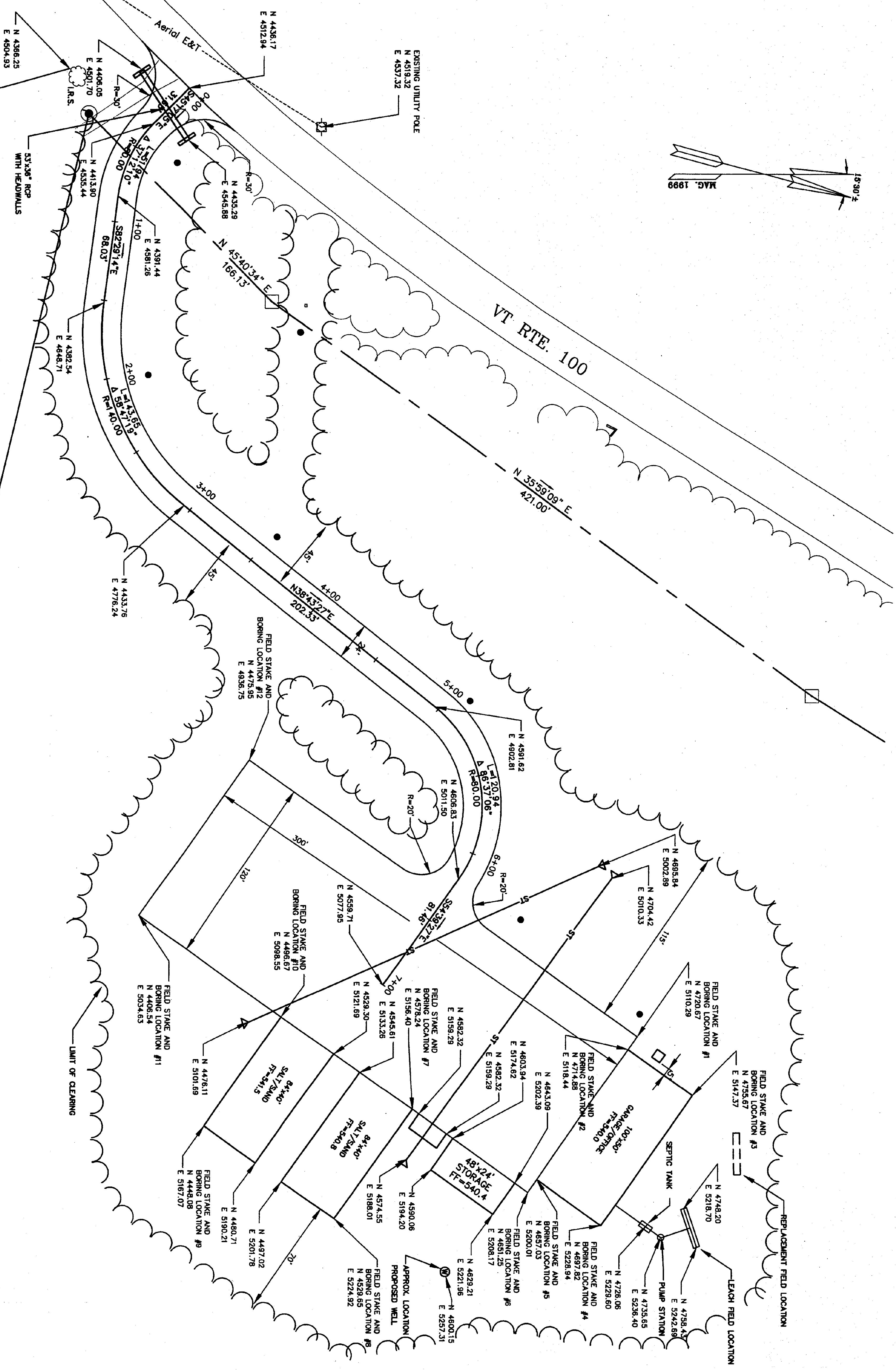
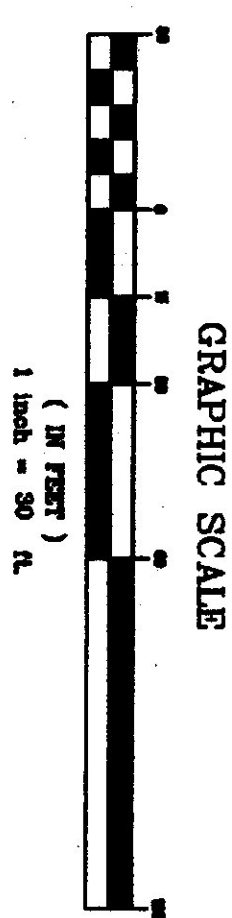
N 43°29'14" E
68.03'

N 43°29'14" E
68.03'

N 43°29'14" E
68.03'

N 76°47'04" W

BM #1
SPIKE IN ROOT
14" POPLAR
ELEVATION 511.40'



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Linesync Architecture
110 Main Street, Suite 100, Montpelier, VT 05602
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1	REVISION PER VTRANS COMMENTS	1/24/2002

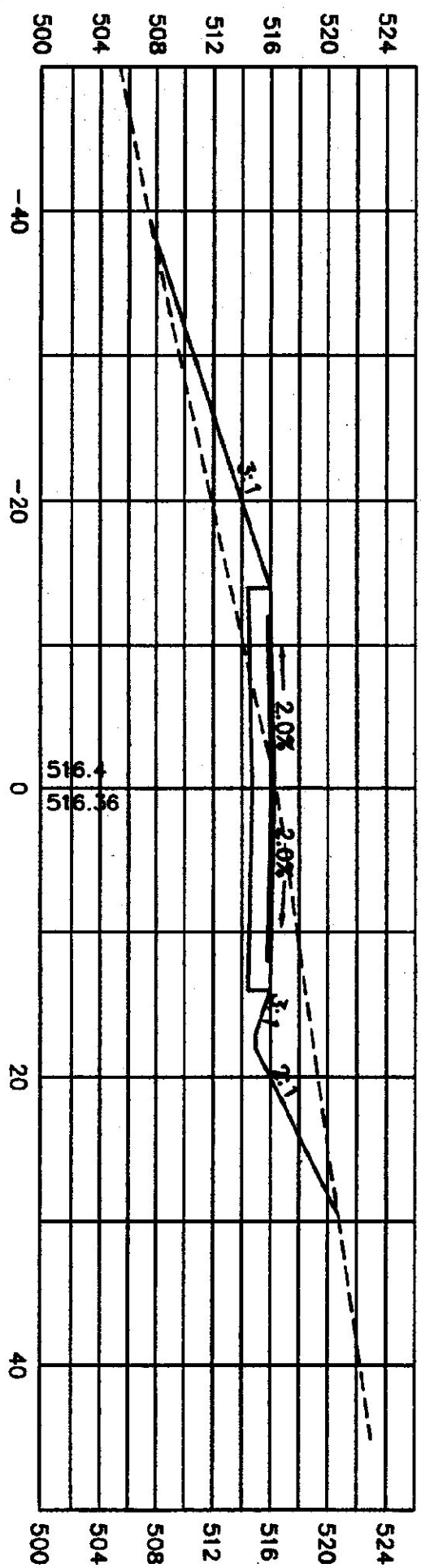
READSBORO
HIGHWAY
GARAGE PROJECT
READSBORO, VERMONT

LAYOUT PLAN

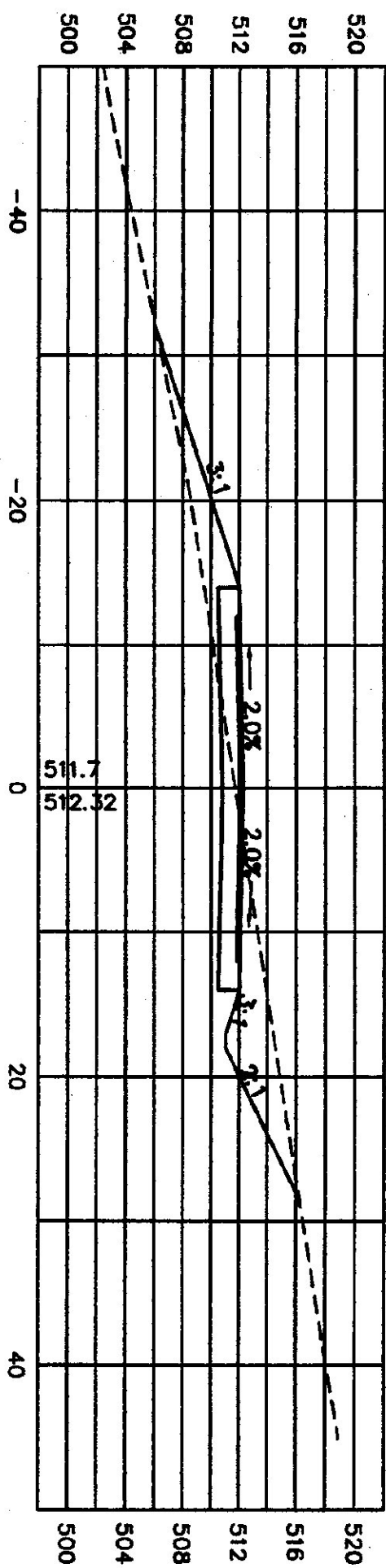
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DRAWN BY:

0000
PROJECT NUMBER
25 OCTOBER 2001
DRAWN DATE
C2
SHEET NUMBER

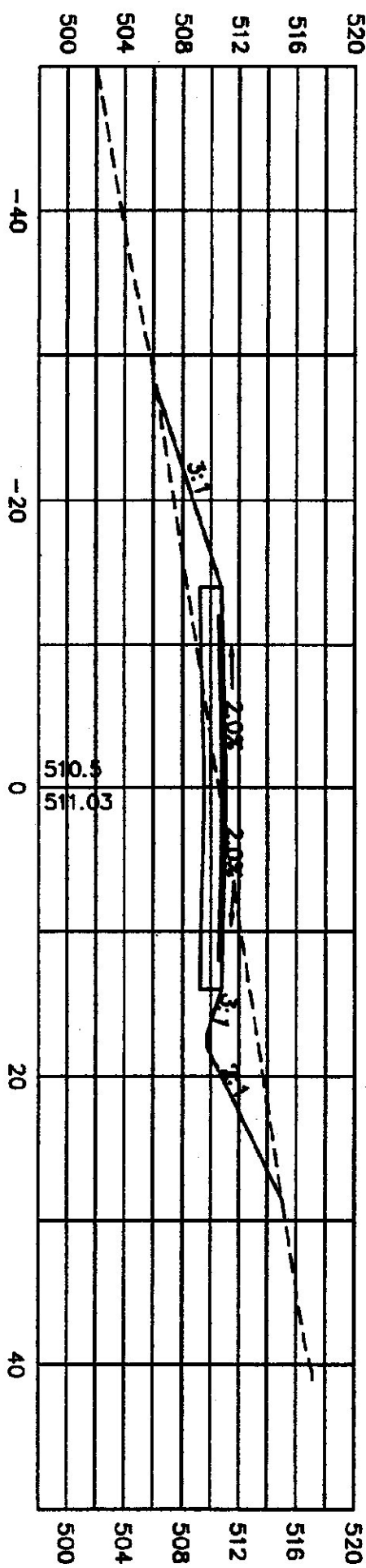
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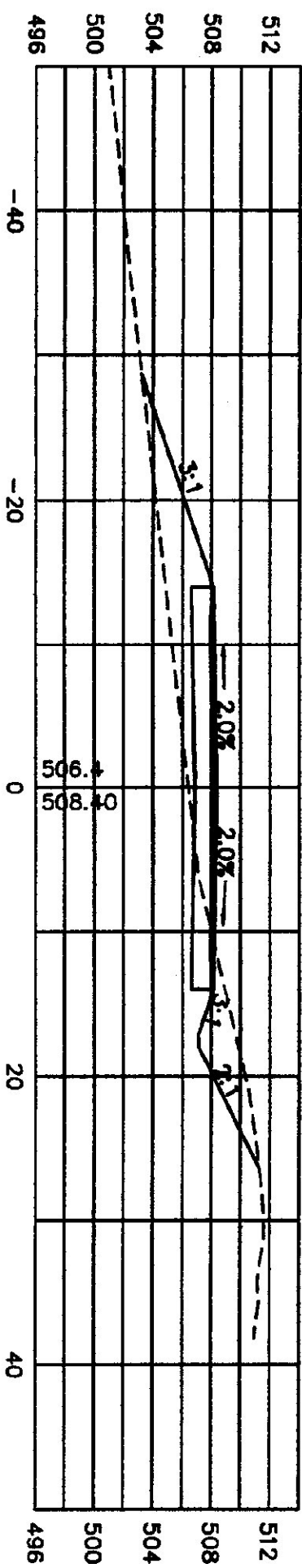
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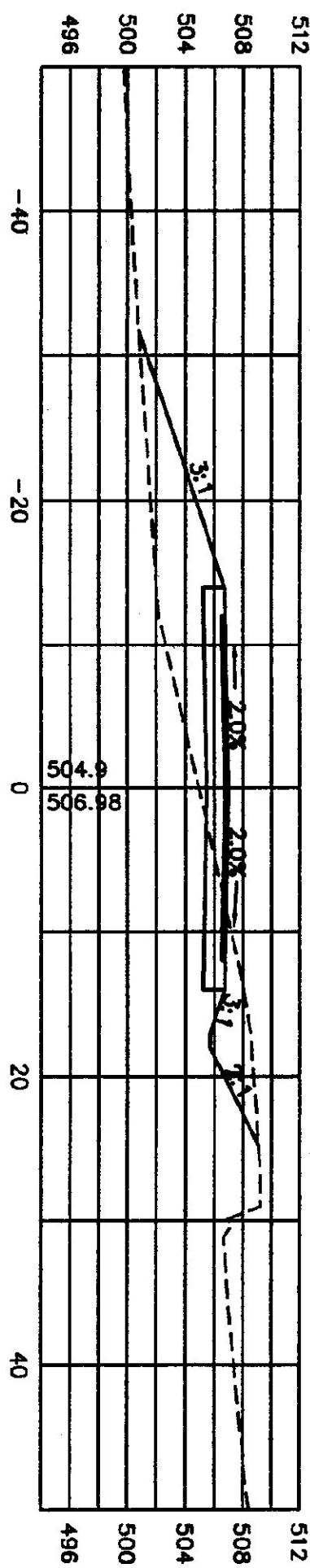
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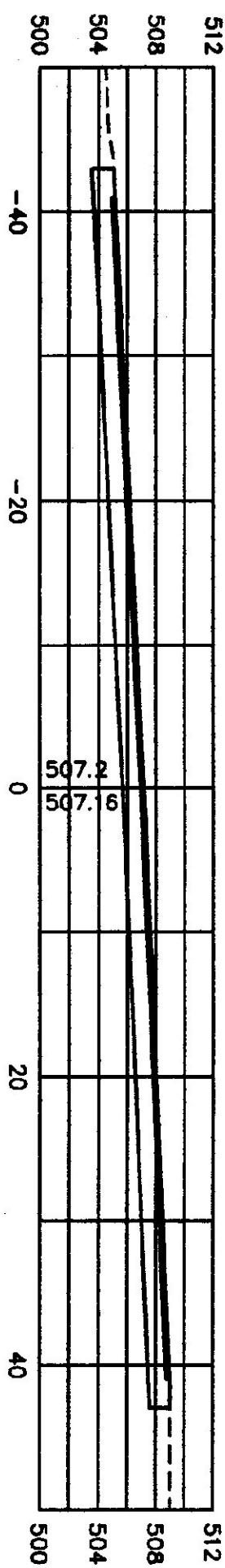
0+50



PC 0+31.65



0+00



PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

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

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ROAD CROSS SECTIONS

SHEET TITLE

0000
PROJECT NUMBER

DATE

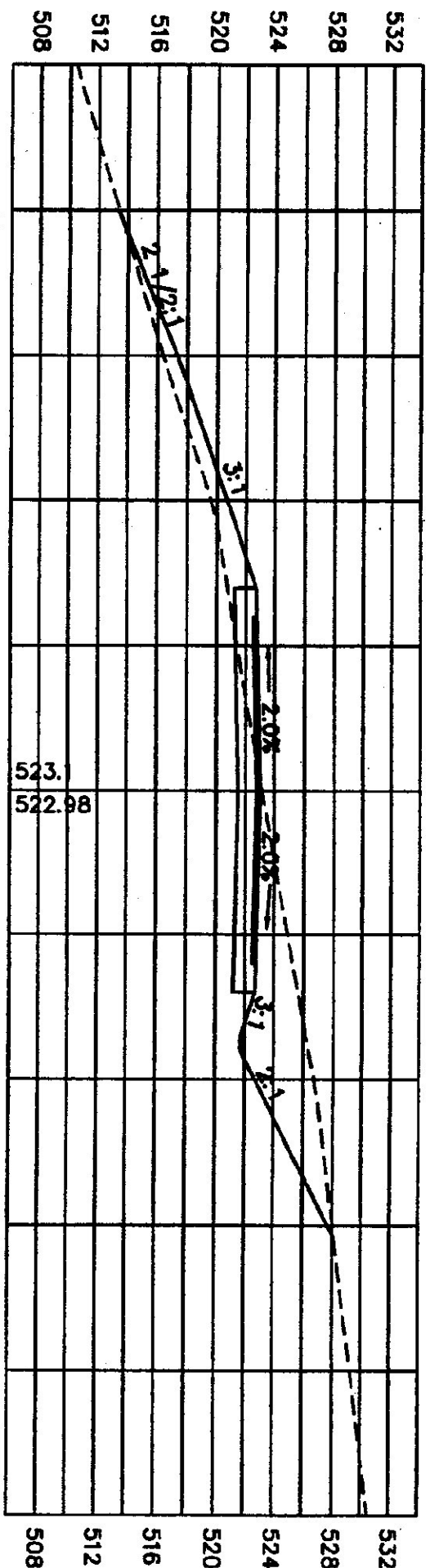
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DRAWING DATE

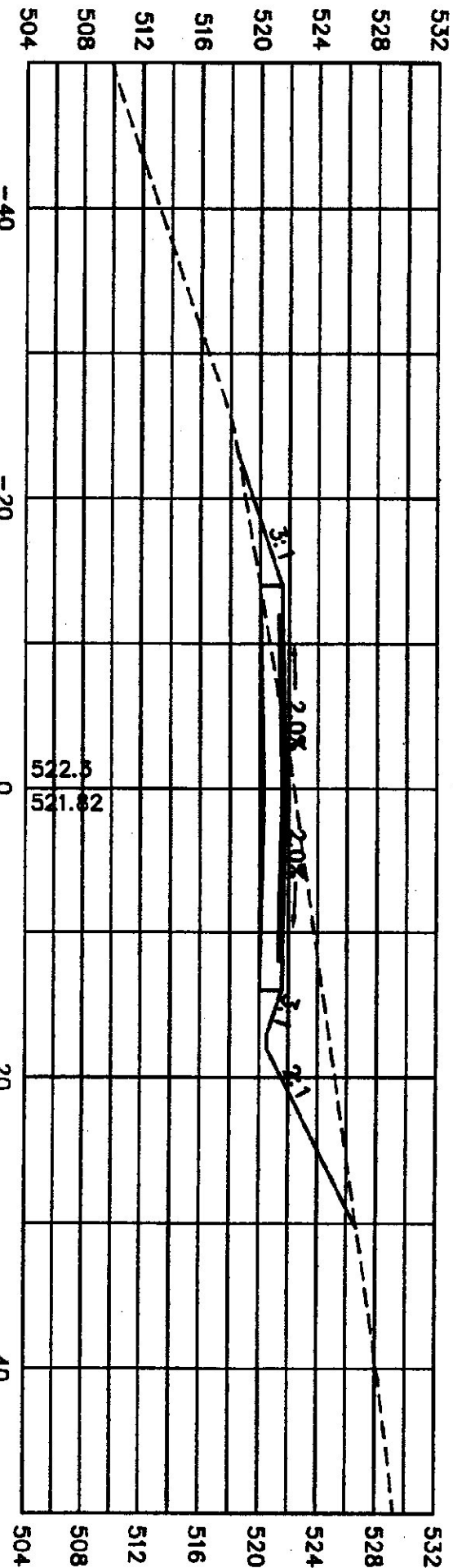
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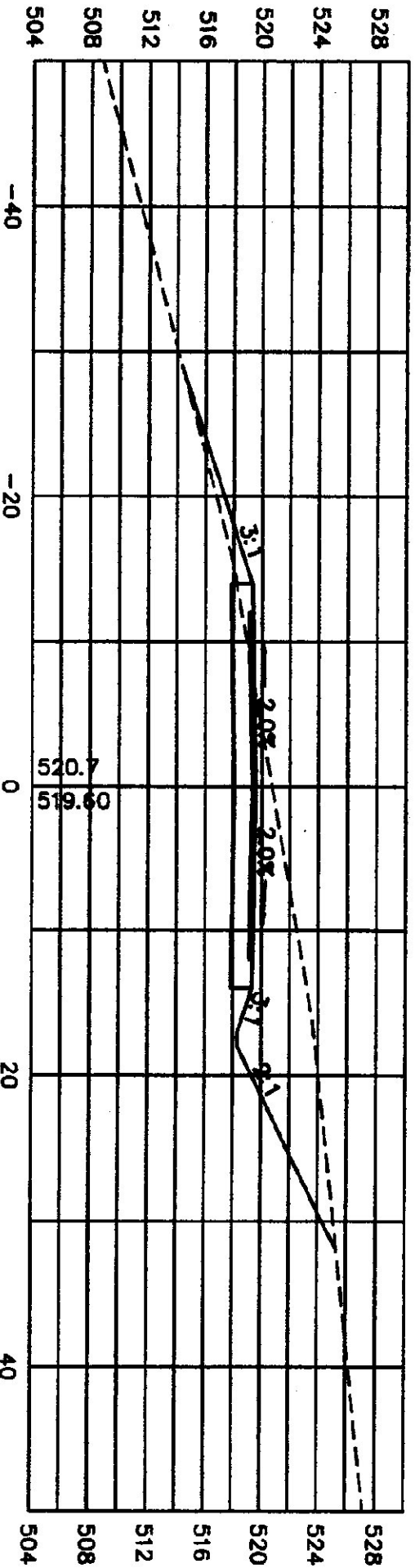
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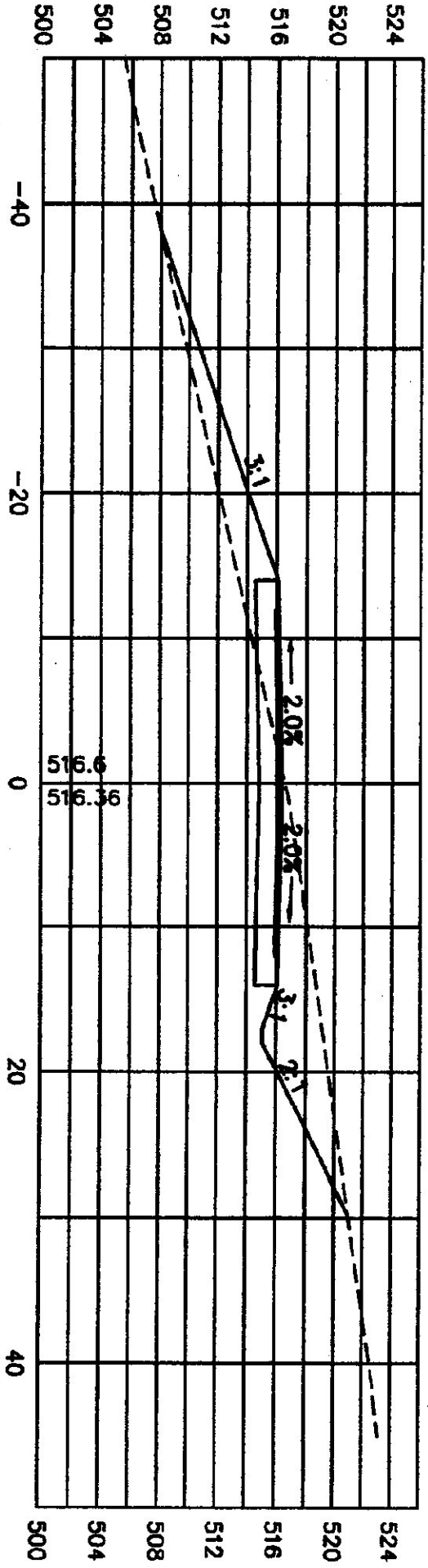
2+50



2+00



PC 1+51.63



PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

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

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ROAD CROSS SECTIONS

SHEET TITLE

0000

PROJECT NAME

25 OCTOBER 2001

DATE

DESIGNER

C5

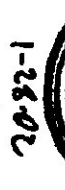
SHEET NUMBER

14 Carle Hill Wilmington Vermont 05363 9745 USA
v.802.464.2526 / fx.2403 www.lindyn.com

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[illegible]

**READSBORO
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GARAGE PROJECT**

READSBORO, VERMONT

ROAD CROSS SECTIONS

SHEET 1111

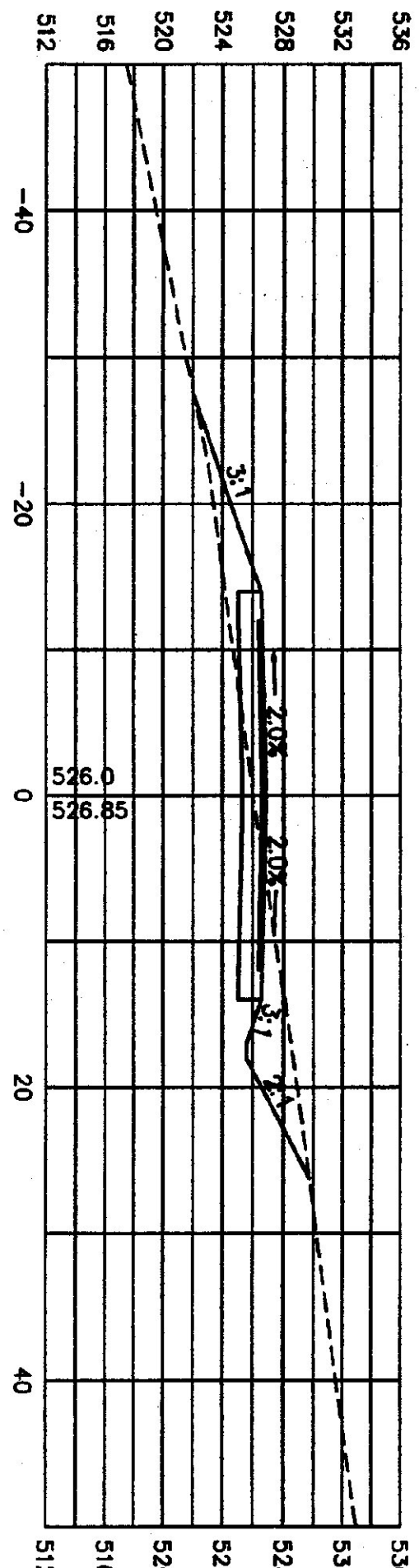
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DRAWING	3
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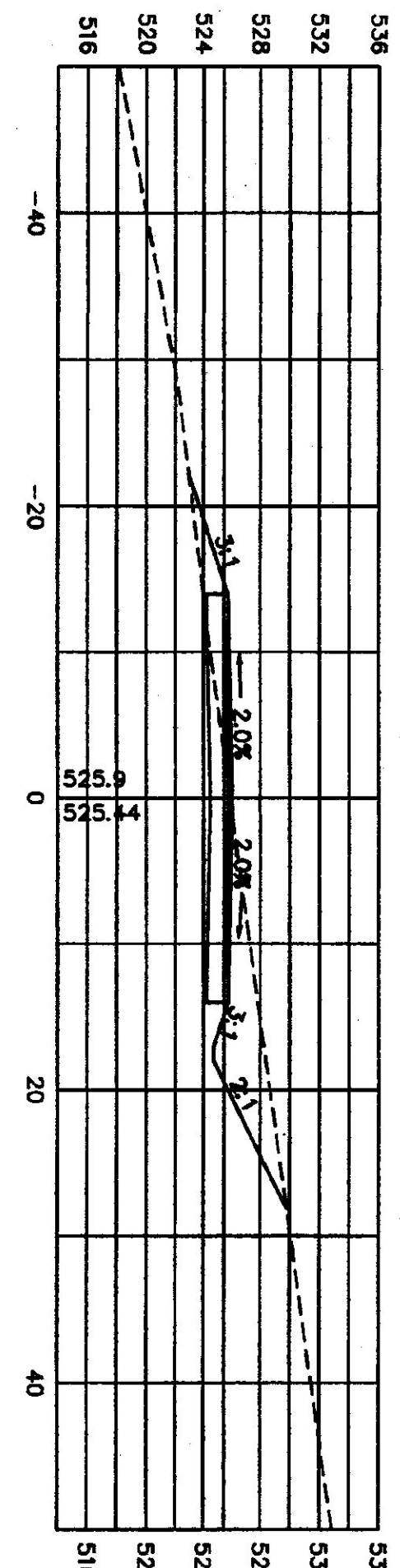
0000
PROJECT

25 OCTOBER

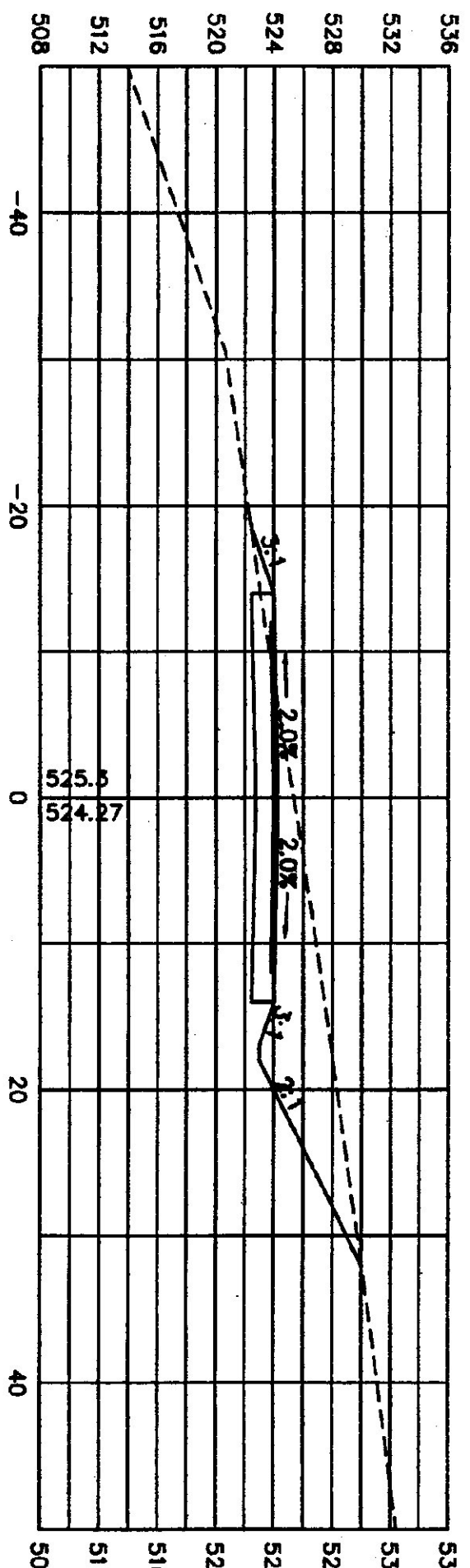
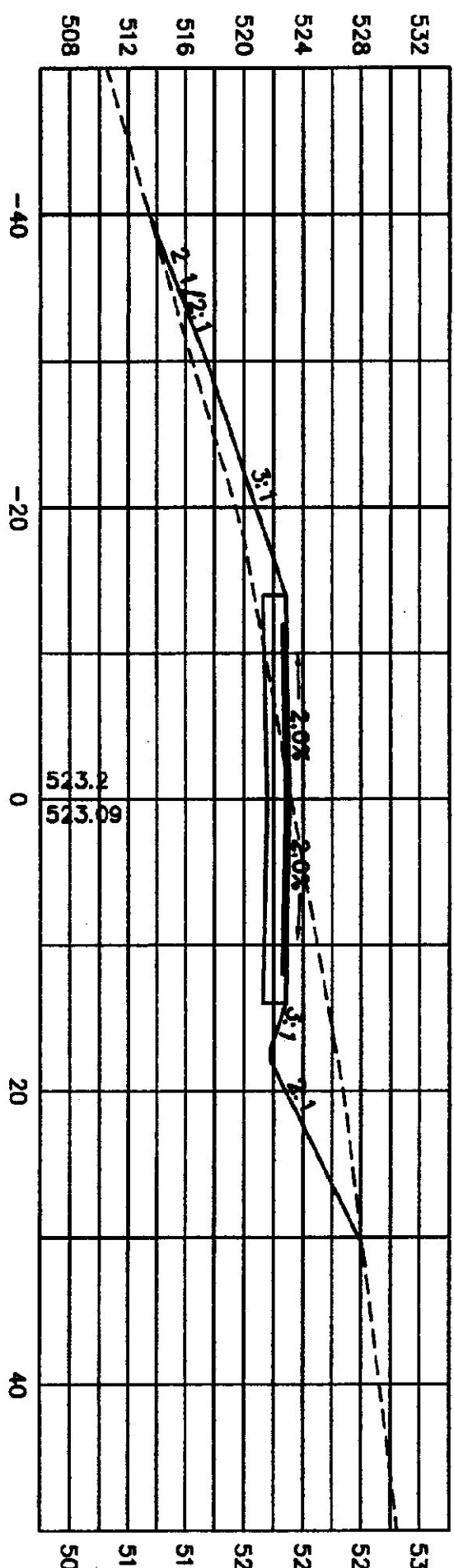
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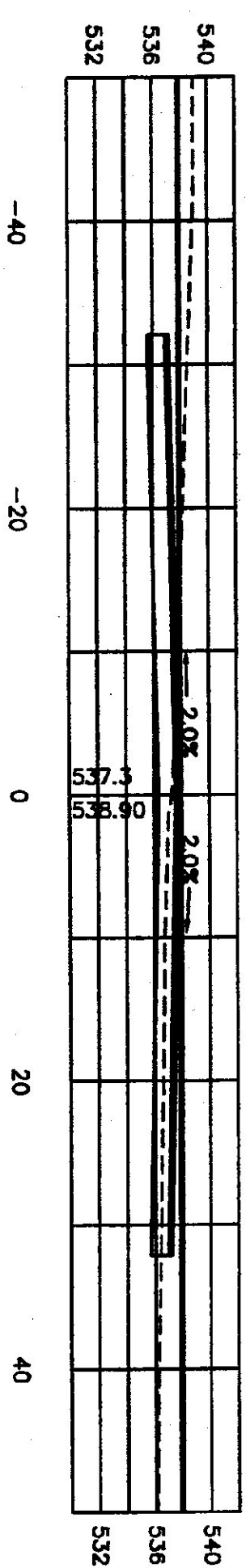
4+00

 $3+50$ 

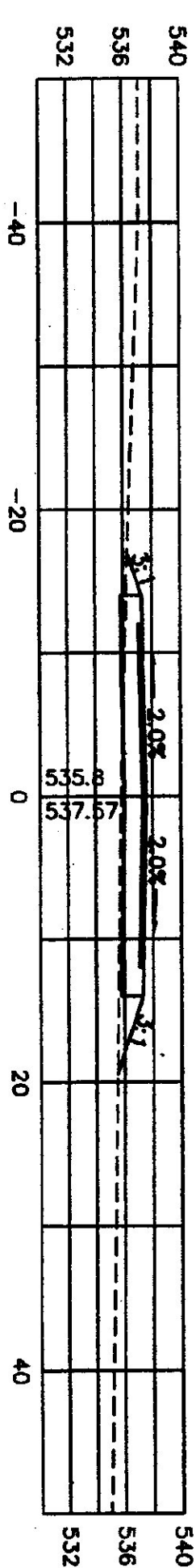
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PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

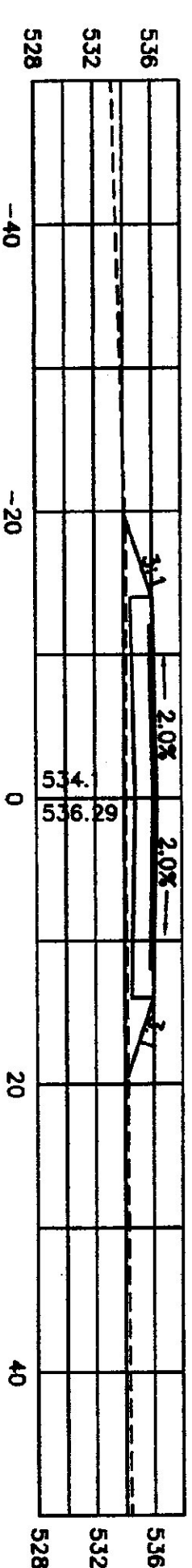
6+33.27 EDGE OF PARKING LOT



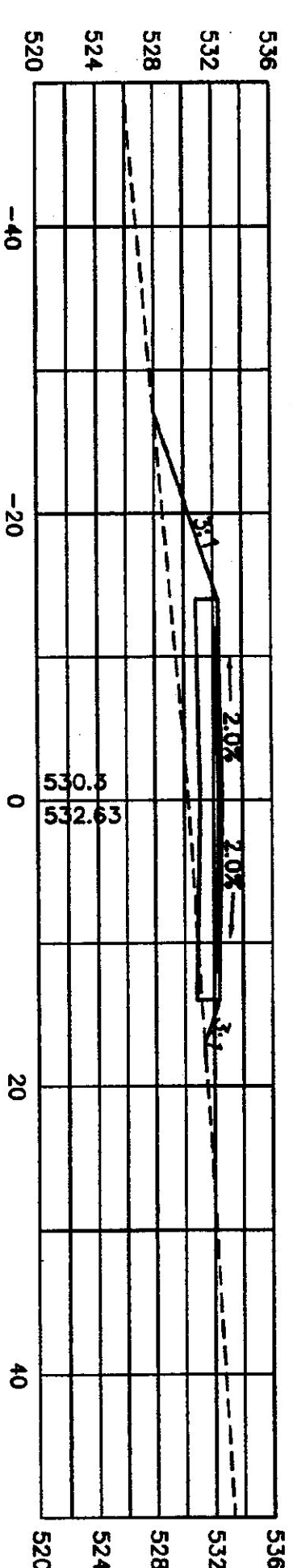
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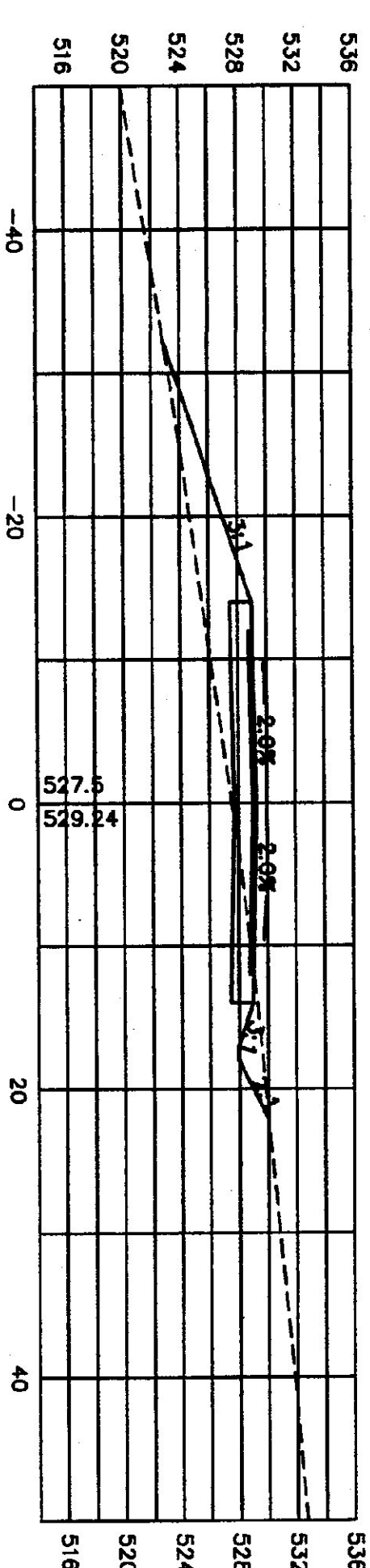
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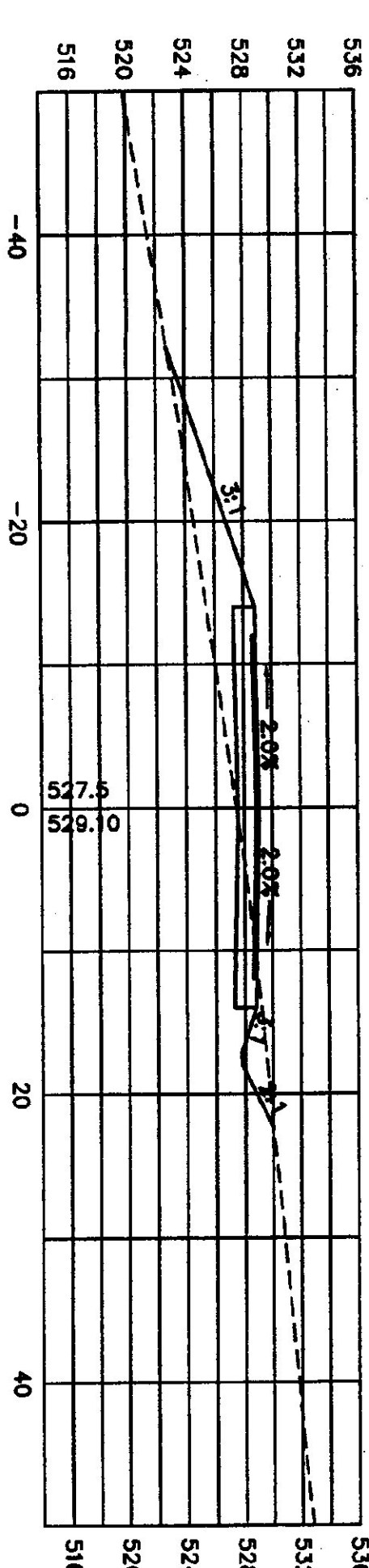
5+50



5+00



PC 4+97.61



PROPOSED CENTERLINE X-SECTIONS OF ACCESS ROAD

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

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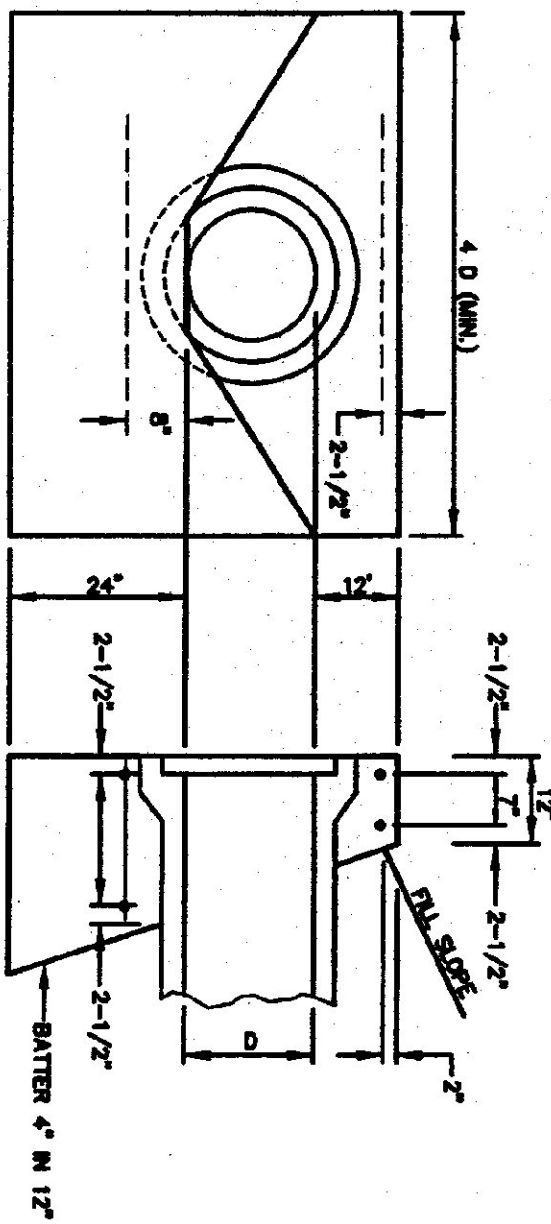


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1	REVISED PER VTRM COMMENTS	1/24/2002

READSBORO
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ROAD CROSS SECTIONS	
SHEET TITLE	
0000	PROJECT NUMBER
25 OCTOBER 2001	DRAWING DATE
C7	SHEET IDENTIFICATION



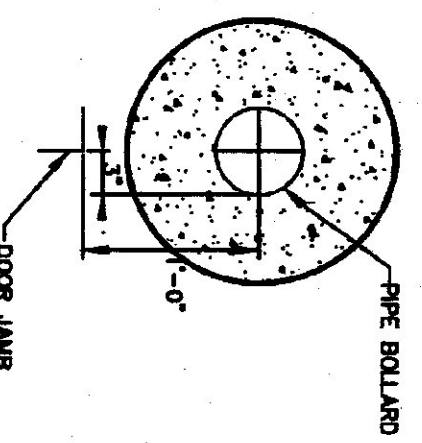
QUANTITY SCHEDULE FOR REINFORCED CONCRETE HEADWALL, CLASS B

PIPE DIAMETER	12"	15"	18"	24"	30"	36"	42"	48"	54"	60"
CONCRETE QUANTITY	1.0	1.3	1.8	2.7	3.5	4.9	6.4	8.0	10.0	12.3

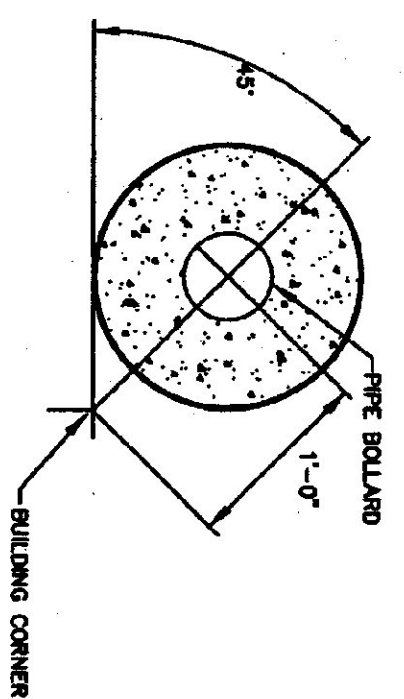
STEEL SCHEDULE FOR REINFORCED CONCRETE HEADWALL

PIPE DIAMETER	12"	15"	18"	24"	30"	36"	42"	48"	54"	60"
NUMBER	4	4	4	4	4	4	4	4	4	4
LENGTH OF BARS	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"

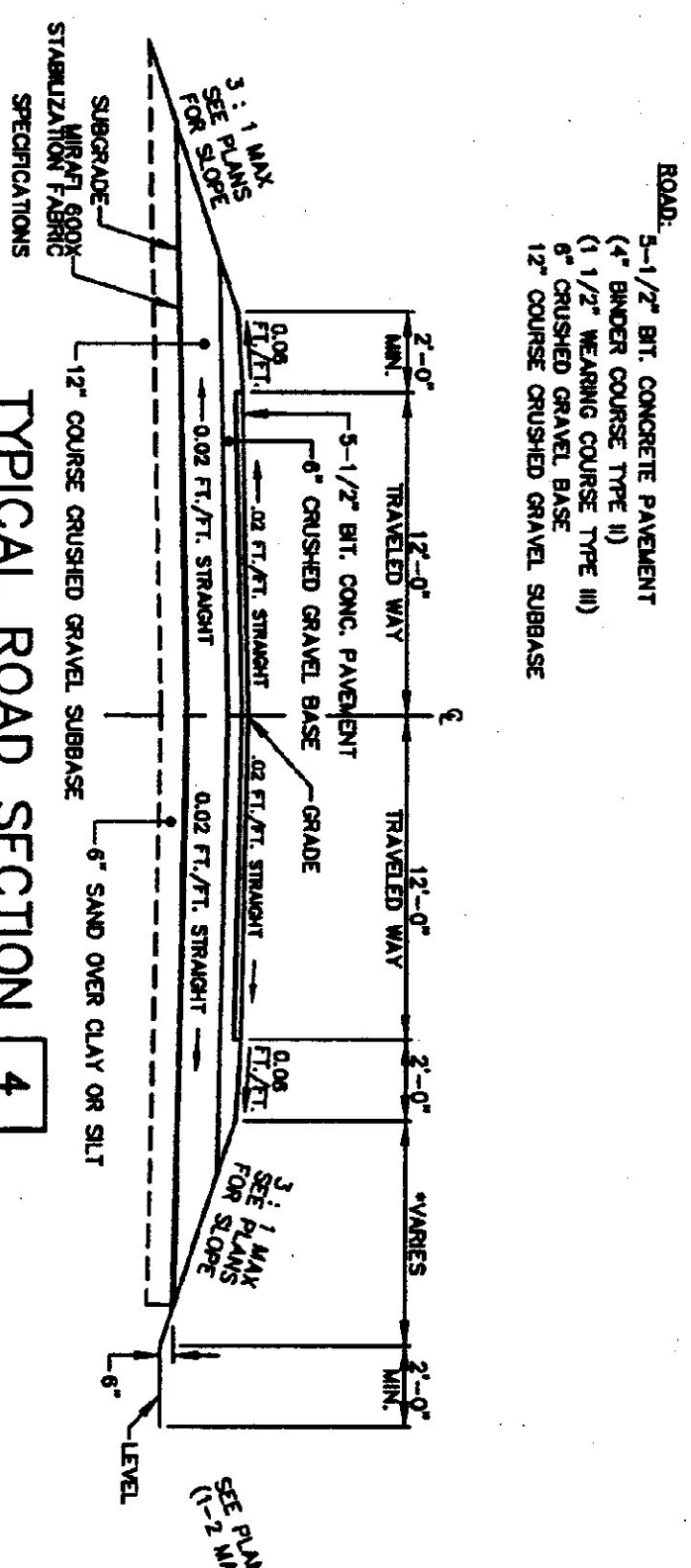
REINFORCED CONCRETE HEADWALL DETAIL 1
NOT TO SCALE



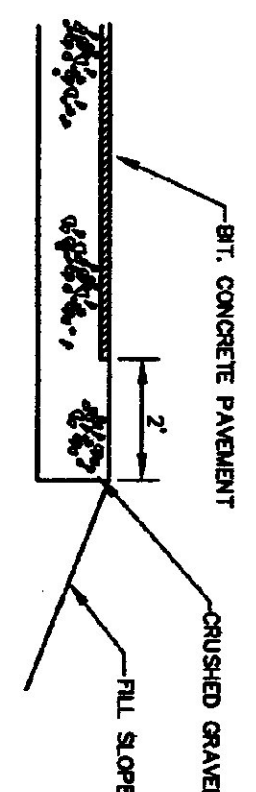
PLAN AT OVERHEAD DOOR JAMBS 2
NOT TO SCALE



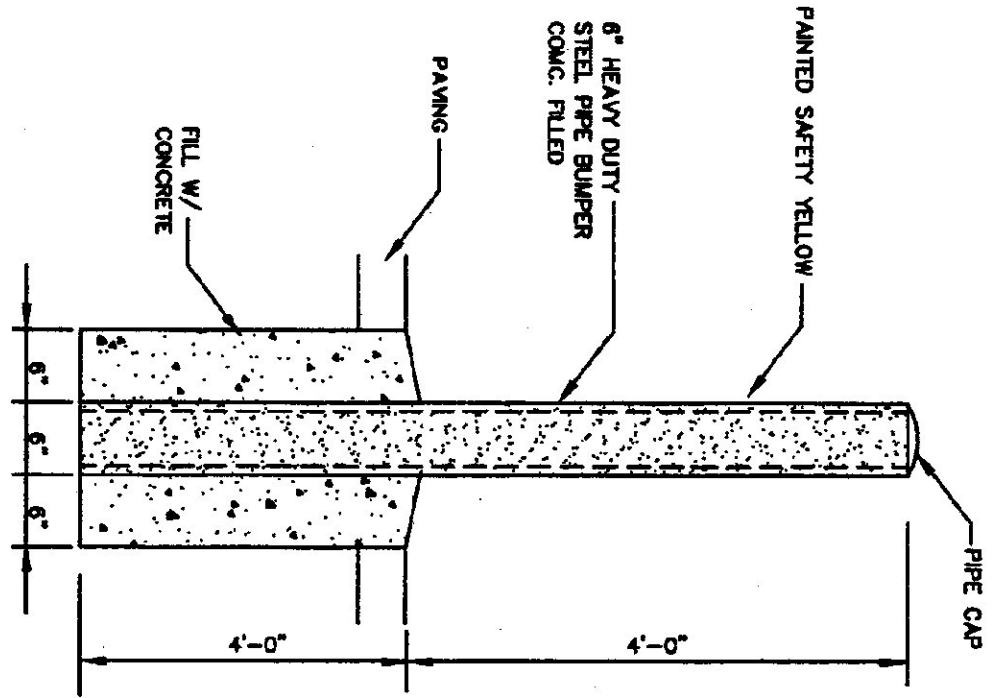
PLAN AT BUILDING CORNER 3
NOT TO SCALE



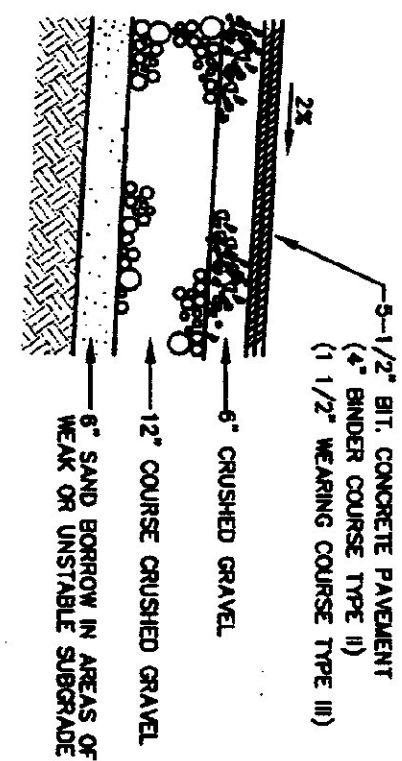
TYPICAL ROAD SECTION 4
NOT TO SCALE



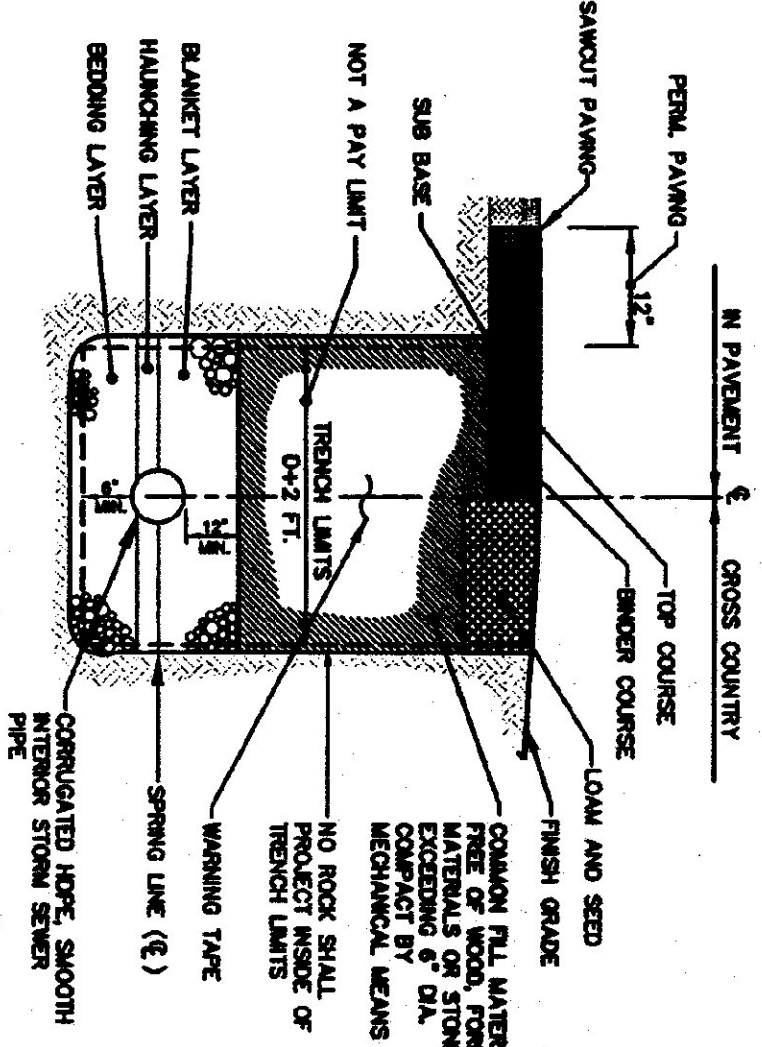
TYPICAL PAVEMENT EDGE DETAIL 5
NOT TO SCALE



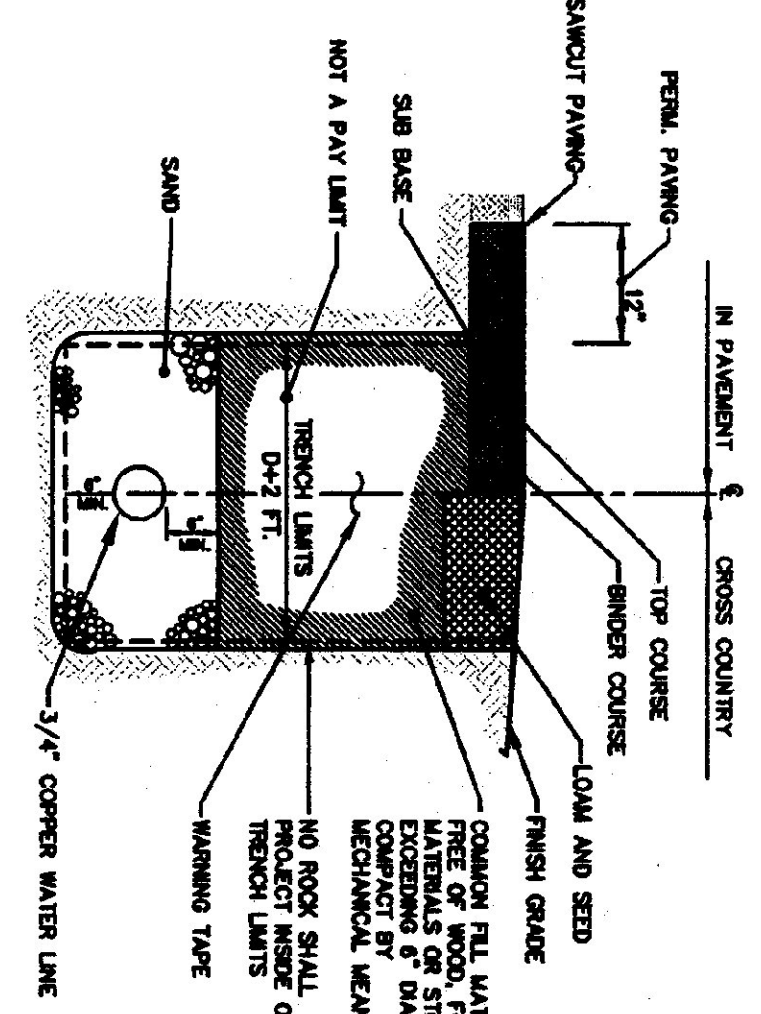
PIPE BOLLARD DETAIL 6
NOT TO SCALE



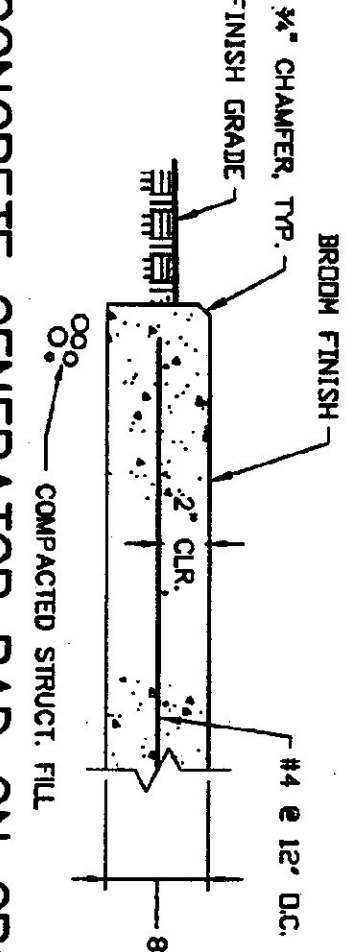
TYPICAL PAVEMENT SECTION 7
NOT TO SCALE



STORM SEWER TRENCH DETAIL 8
NOT TO SCALE



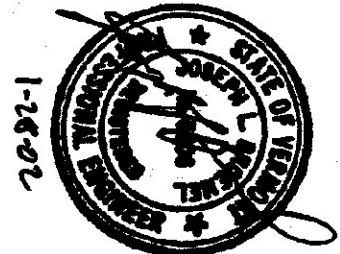
WATER LINE SERVICE TRENCH DETAIL 9
NOT TO SCALE



CONCRETE GENERATOR PAD ON GROUND 10
NOT TO SCALE

Project of
LineSonic Architecture
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Berkeley, CA 94704
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READSBORO
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SITE DETAILS
SHEET TITLE

0000
PROJECT NUMBER
25 OCTOBER 2001
DRAWING DATE
C9
SHEET NUMBER

PERC TEST DATA:

PERC 1: 7.26 MIN/MIN
PERC 2: 28.47 MIN/MIN
PERC 3: 12.00 MIN/MIN
PERC 4: 1.88 MIN/MIN
PERC 5: 5.10 MIN/MIN
PERC 6: 31.23 MIN/MIN

TEST PIT DATA:

Test pits logged 08/14/01 by Bruce Cox.

Test Pit 1

0'-12"	Topsoil Dry
12'-30"	Medium brown till
30'-6'	Medium grey brown till with abundant weathered rock.

No refusal to depth
No seepage observed
Faint, light-brown orange mottles at 30"

Test Pit 2

0'-17"	Topsoil Dry
17'-8"	Medium grey brown till.

No refusal to depth
No seepage observed
Moderately prominent, discontinuous, light-medium orange mottles 26'-64"

Test Pit 3

0'-16"	Topsoil Dry
16'-9"	Medium grey brown till

No refusal to depth
No seepage observed
Faint, discontinuous, medium, brown, orange mottles at 36"

Test Pit 4

0'-15"	Topsoil Dry
15'-5"	Medium grey brown till
3'-8"	Till as above, but gravel

No refusal to depth
No seepage observed
Trace of mottles

Test Pit 5

0'-13"	Topsoil Dry
13'-4"	Medium grey brown till
4'-9"	Till as above, but gravel

No refusal to depth
Very slight seepage below
Faint, discontinuous, light-medium brown orange mottles below 30"

Test Pit 6

0'-12"	Topsoil Dry
12'-4"	Medium grey brown till
4'-8"	Till as above, but gravel

No refusal to depth
Seepage at 34"
Prominent, continuous light-medium orange mottles at 24"

GROUND SAND SIEVE ANALYSES:

SIEVE NUMBER	OPENINGS (mm)	PERCENT PASSING	BT WEIGHT
TYPE A:			
10	2,000	85-100	
60	0,420	25-75	
100	0,250	0-50	
200	0,075	0-10	
TYPE B:			
4	4,750	95-100	
8	2,380	80-100	
16	1,190	50-85	
30	0,590	25-60	
50	0,297	10-30	
100	0,149	2-10	
200	0,074	85-100	
TYPE C:			
10	2,000	85-100	
60	0,420	30-50	
200	0,074	0-10	

**Septic Tank to Leaching Area
CONSTRUCTION NOTES:**

1. Cut and remove all above-ground vegetation in the area of proposed mound. Cut any tree stumps flush with the ground and leave the roots in place.
2. Plow the area parallel to the contour of the land to a depth of 7-8 inches, throwing the soil upslope. Construction equipment shall not be driven over the surface after the plowing is complete. Prior to placing any fill for the mound, the plow surface shall be inspected and approved by the Engineer.
3. Place the sand fill over the area per plan, (minimum depth of 21 inches) above the plowed surface. The Engineer shall approve the sand fill prior to installation.
4. Excavate the bed and place 9 inches of crushed stone in the trenches. Hand level the stone and temporarily install the distribution pipe without giving the joints, with the perforations placed facing upward for testing. Cap the ends of the pipe as shown in the detail on this sheet.
5. Test the network with clean water to assure equal distribution through the pipes. The difference in discharge between any two perforations shall not be greater than 15%. This testing shall be conducted in the presence of the Engineer. Upon successful testing move the pipe joints and end caps so the perforations are facing downward.
6. Place 2" crushed stone over the distribution pipe. Cover the crushed stone with a layer of filter fabric (Mirafl 140N).
7. Cover the entire mound with soil less permeable than the sand fill to a depth of 18 inches at the center and 12 inches on the side slopes. Seed and mulch the entire mound. A minimum of 4" of topsoil will be placed at the surface.
8. All work shall be performed in conformance with the Environmental Protection Rules 8/8/96, Vermont Agency of Environmental Conservation, including leakage testing of force mains.
9. Surface runoff from building and driveway area shall not be directed toward septic system.
10. "Crushed stone" used in the construction of leaching trenches shall be a clean and durable stone, and be no smaller than the specified size or larger than one and one-half inches in diameter, as per (Environmental Protection Rules 1-708).
11. The septic tanks and distribution boxes shall be precast units as supplied by W.E. Daley, Inc. to be constructed in accordance with the plans and modified structurally as needed for earth cover, water table conditions and access cover modifications.
12. When manholes or inspection covers with risers constructed to grade are constructed the ground surface surrounding the manholes shall be sloped to insure drainage away from the manhole.
13. The Septic tank shall have a filter constructed on the outlet pipe. Filter shall be a 4" double effluent filter, model F1048-4, by Omega System Inc.

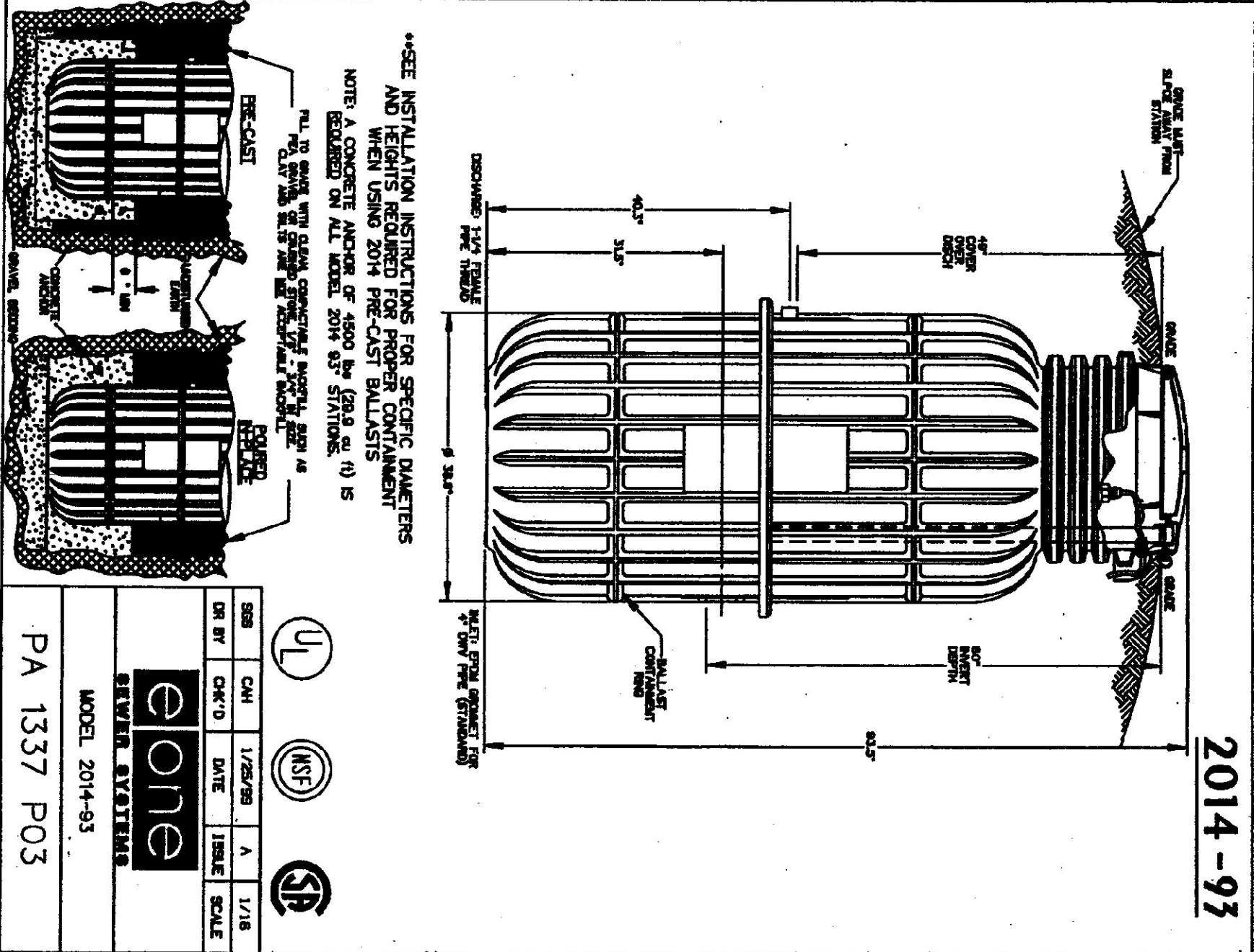
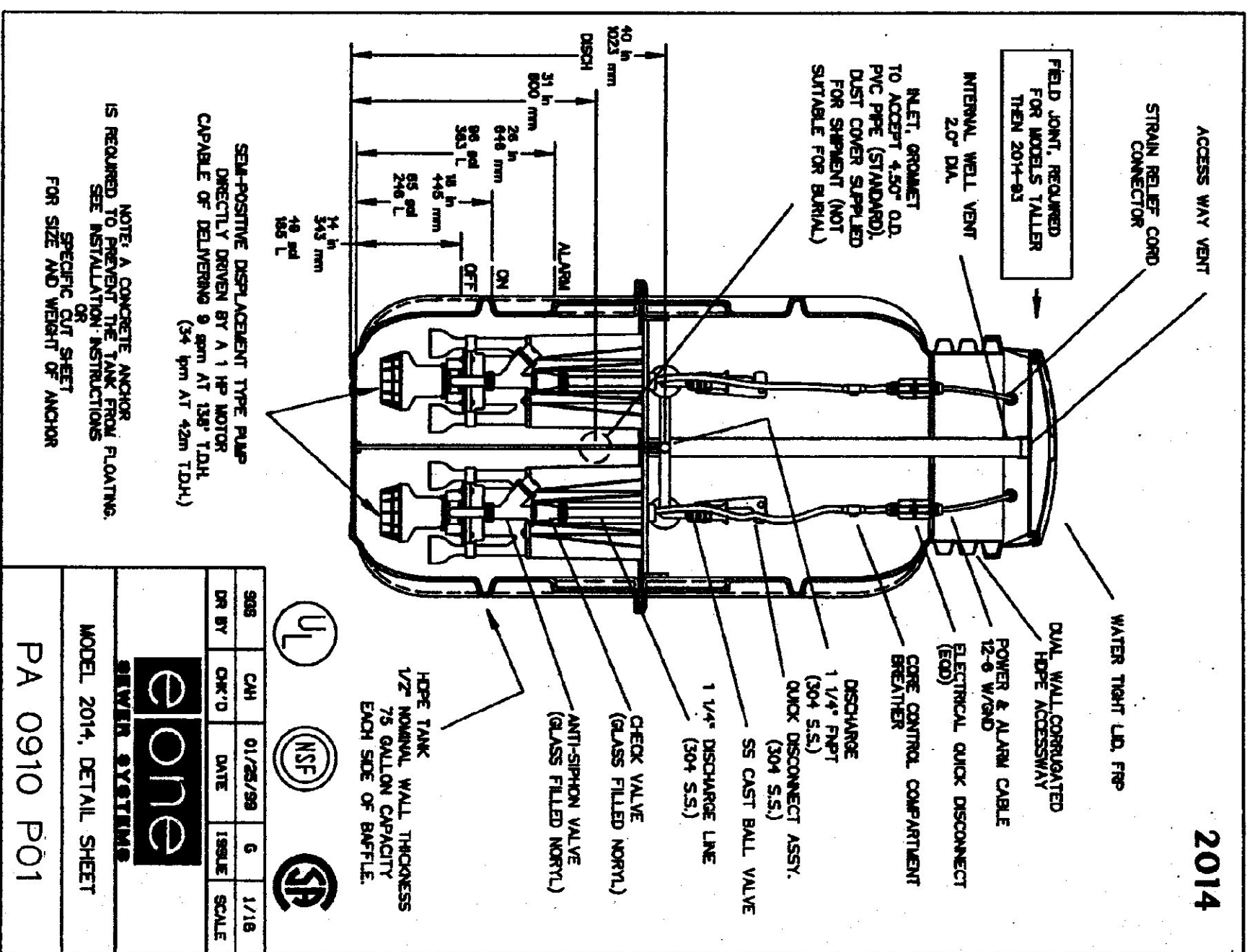
DESIGN CRITERIA FOR WASTEWATER DISPOSAL

1. DESCRIPTION
 - a) FLOWS TO THE SEPTIC SYSTEM WILL COME FROM DOMESTIC USE BY EMPLOYEES.
2. AVERAGE FLOWS
 - 5 EMPLOYEES AT 15GPD EACH = 75 GPD
3. SEPTIC TANK REQUIREMENTS

USE 1000 GALLON HEAVY DUTY 10'x7' SEPTIC TANK BY W.E. DALEY, INC. WITH ACCESS COVER OPENINGS FOR 4" DIAMETER RISER
4. LEACHING AREA
 - a) DESIGN PERC RATE = 28.47 MIN/MIN.
 - b) APPLICATION RATE = 0.74gpd/sf/day
 - c) APPLICATION AREA REQUIRED
TRENCH LENGTH = 28'
TRENCH WIDTH = 4"
STONE DEPTH BELOW PIPE = 9"
 - d) LEACHING AREA PROVIDED = 1 TRENCH, 4' WIDE, 28' LONG = 104 SF (BOTTOM AREA)

PUMP STATION DETAIL

11
C-1



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READSBORO, VERMONT

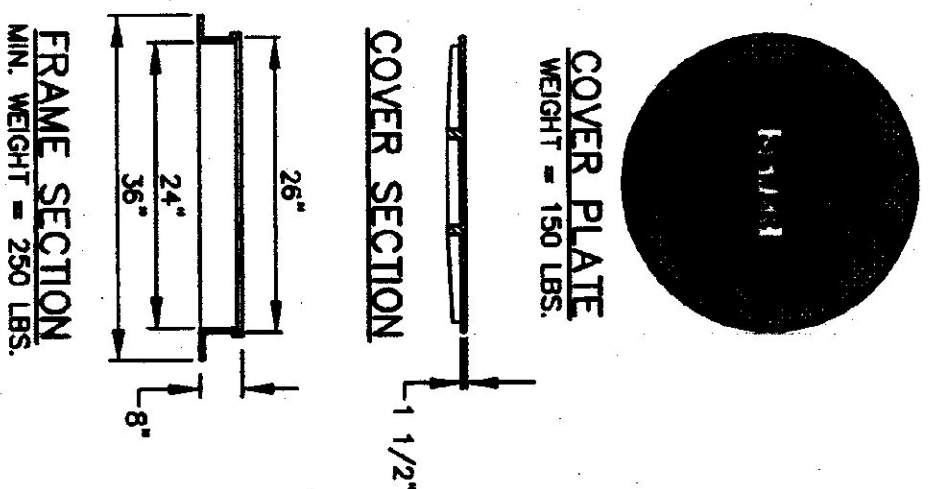
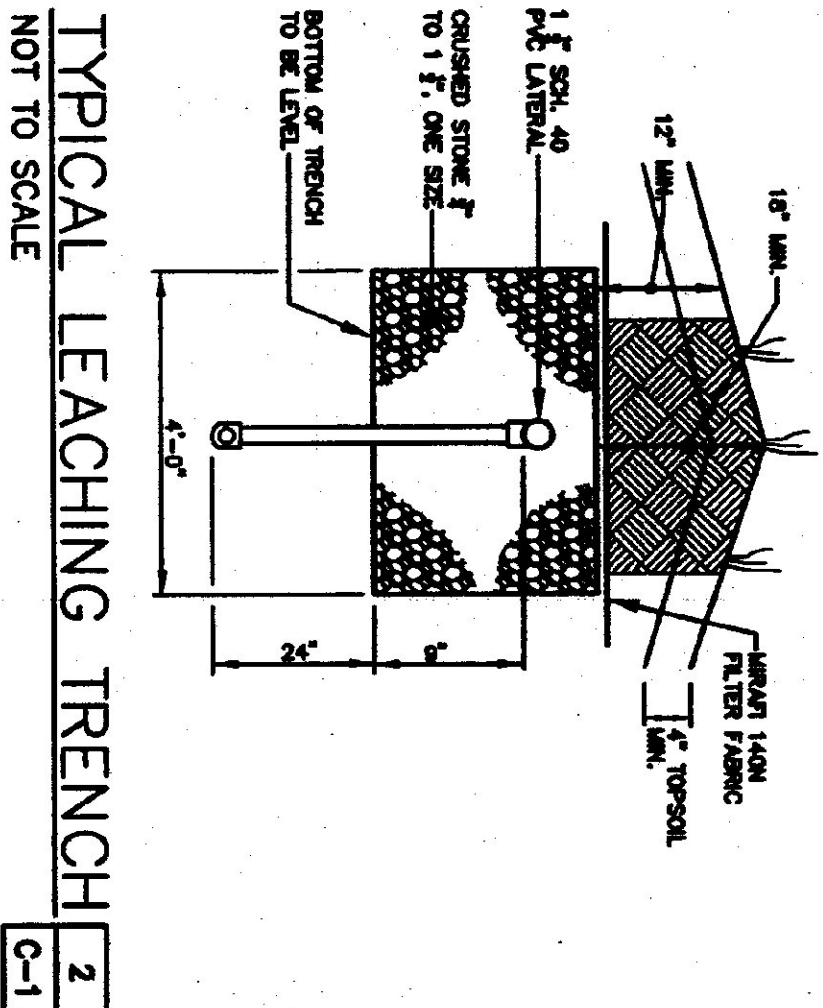
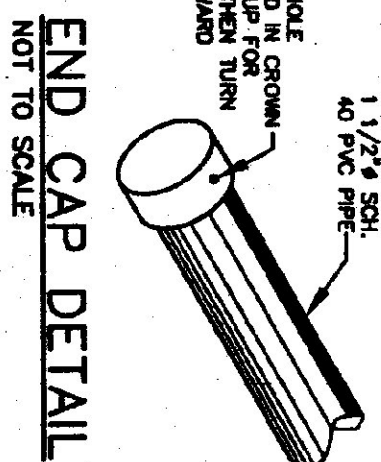
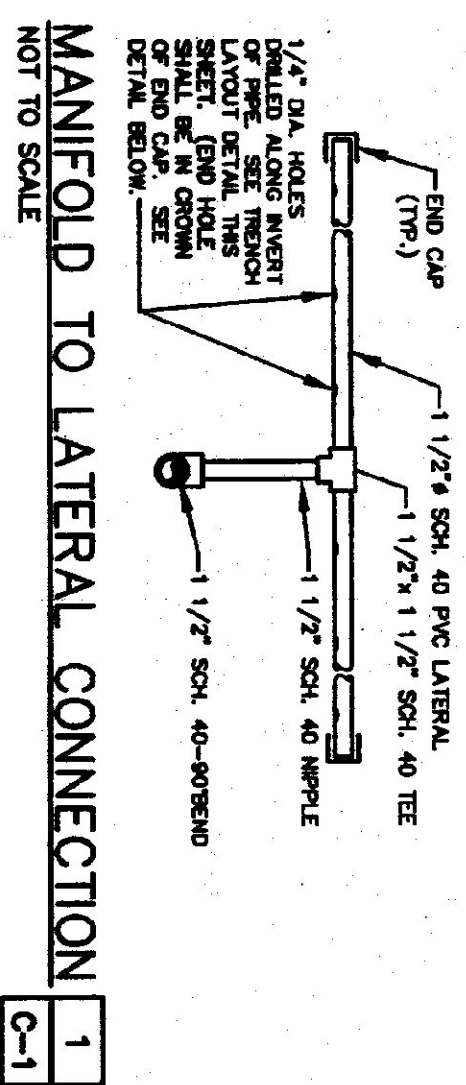
SEPTIC SYSTEM DETAILS

SHEET TITLE

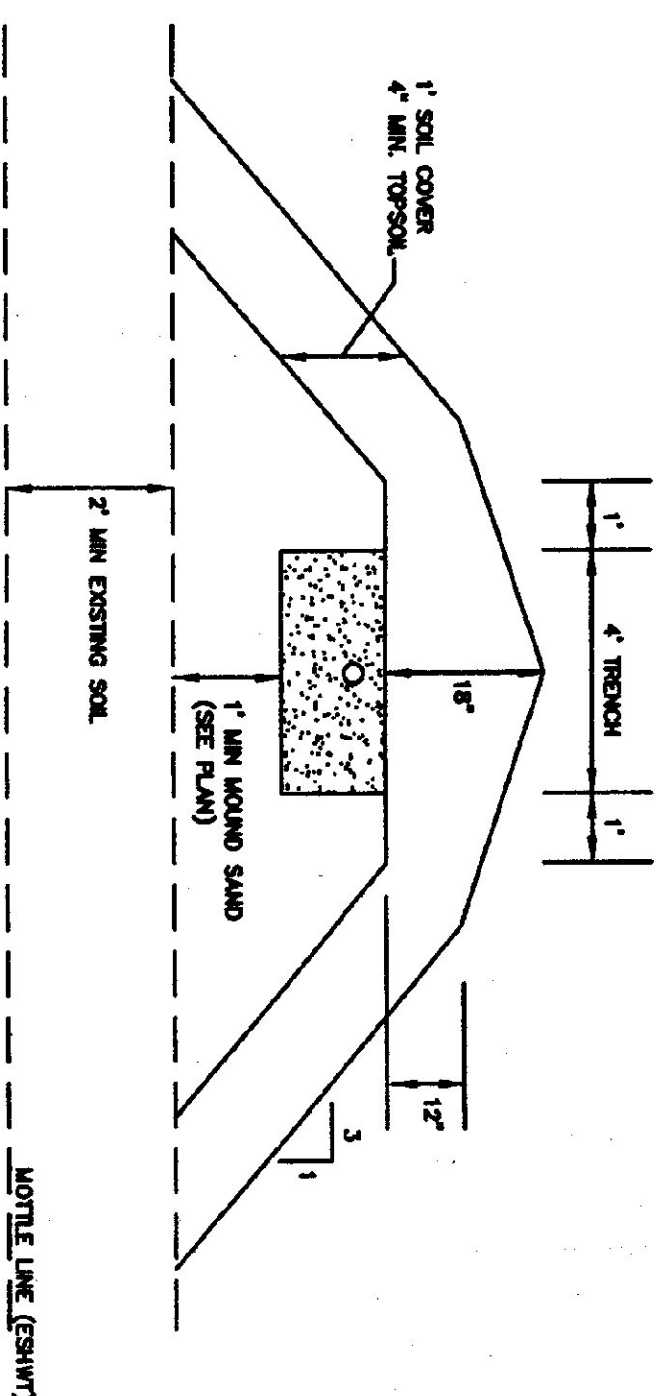
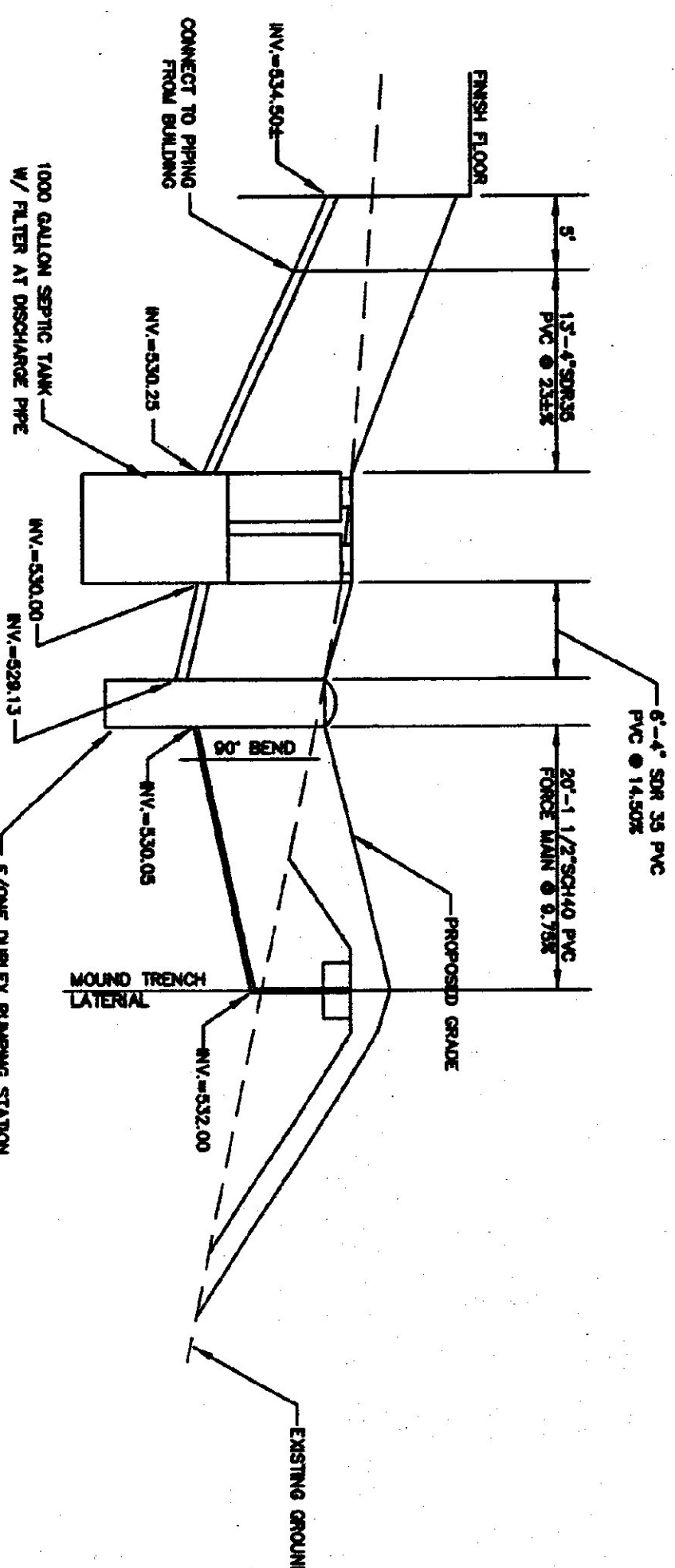
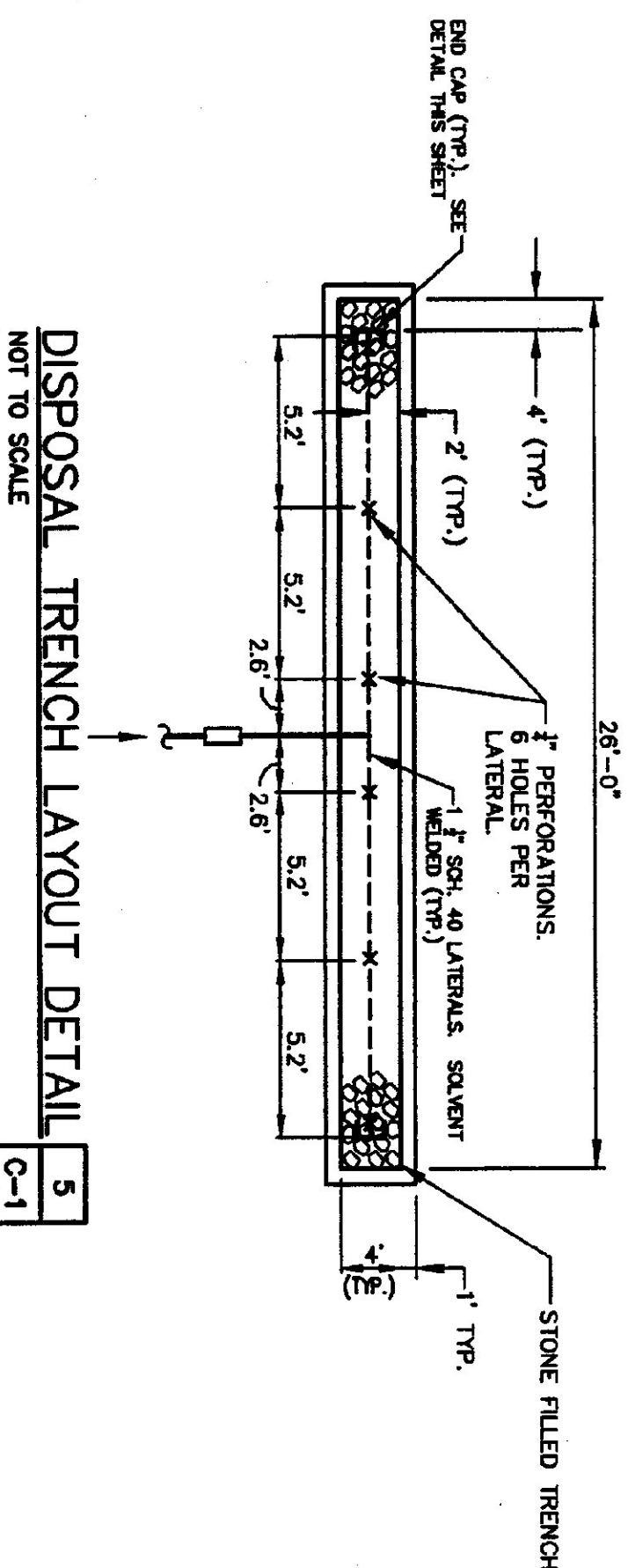
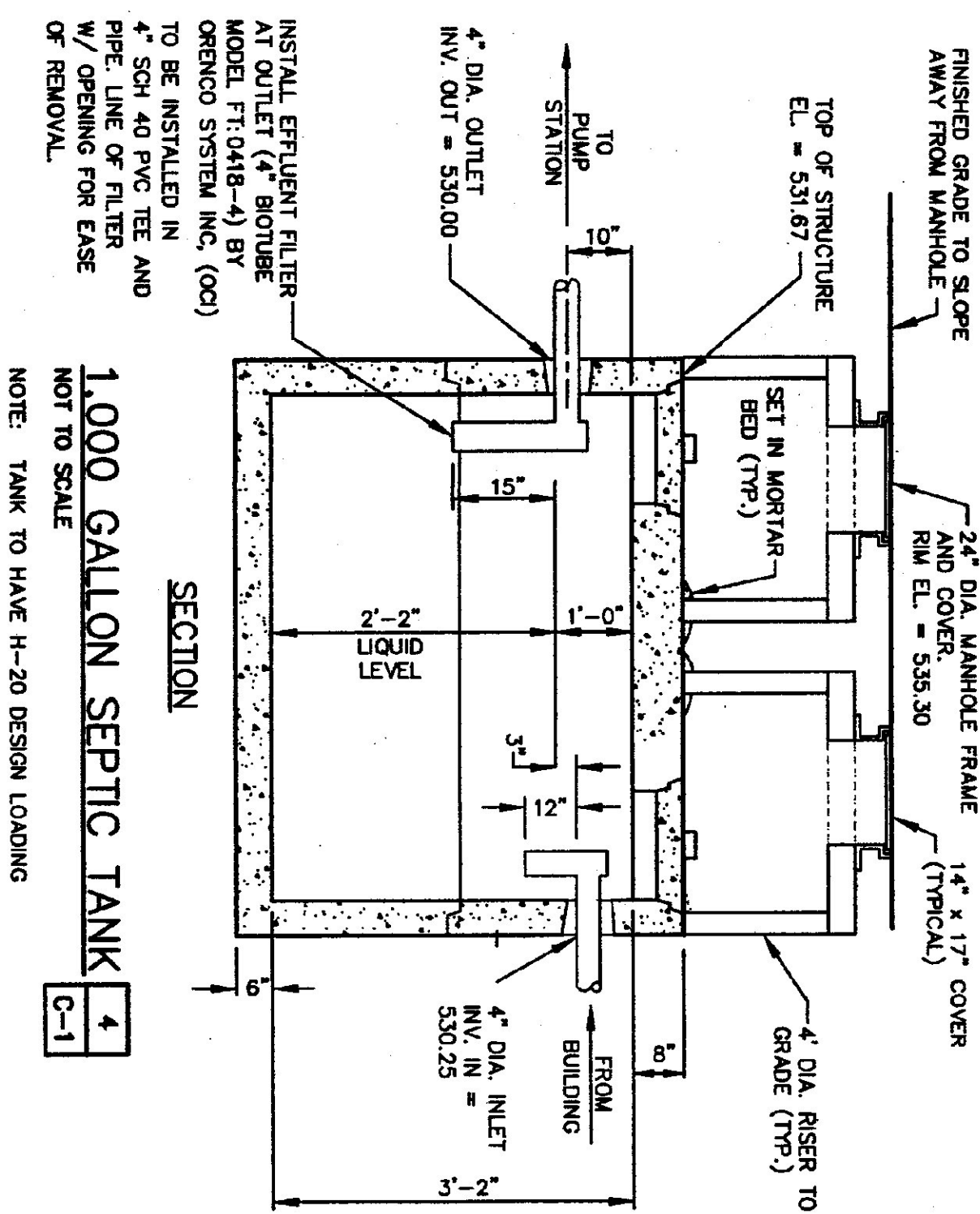
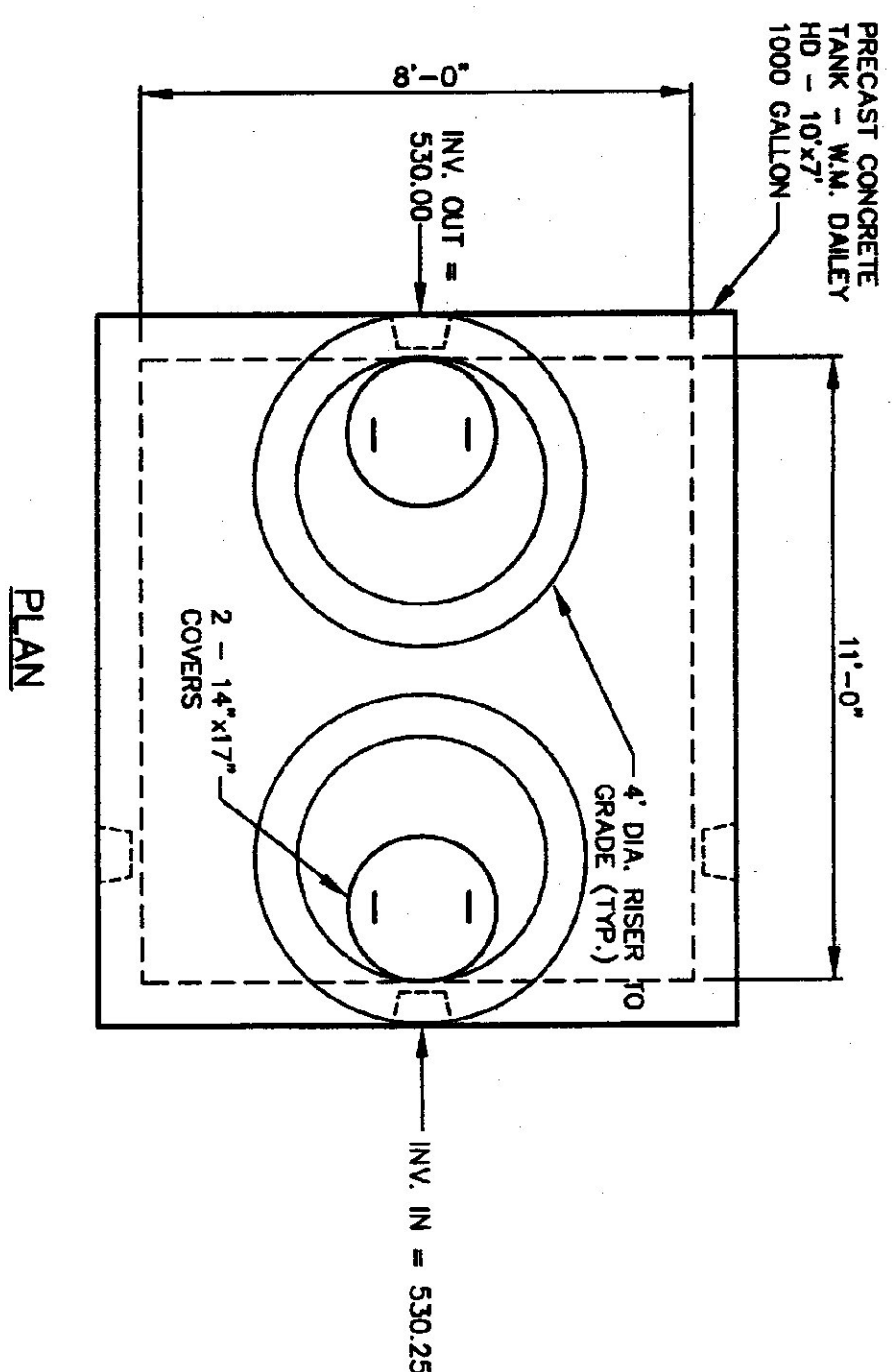
0000
DRAWN BY
DATE

25 OCTOBER 2001
DRAWING DATE

C10



NOTE:
MANHOLE FRAME AND COVER TO BE LEBARON
FOUNDRY, INC., CATALOG NO. LC 268-1 OR
APPROVED EQUAL.



SCALE: HORIZ. 1"=10'
VERT. 1"=5'

NOTE: TANK TO HAVE H-20 DESIGN LOADING

Design Studio of
LineSync Architecture
1400 10th Avenue, Suite 1000, San Francisco, CA 94103
415.774.1234 / 415.774.1235
www.lineSync.com

CLIENT

DH
Duffee-Henry
North Springfield, Vermont
Tel: 802.251.4747 / 802.251.4748
www.duffee-henry.com

BID DOCUMENTS
DO NOT REVISE
January 24, 2002



SEPTIC SYSTEM DETAILS

1. REVISED PER VIRIAN COMMENTS 1/24/2002

2. 0000 PROJECT NUMBER

25 OCTOBER 2001 DRAWN DATE

25 OCTOBER 2001 REVISION DATE

C11



The Design Studio of
LineSync Architecture
14 Collins Hill Way, Richmond, VA 23060
Tel: 804.774.2200 Fax: 804.774.2201
www.linesyncva.com

CHECKED BY: _____
DATE: _____

- STATE HIGHWAY 66 GARAGE GENERAL NOTES**
- PROJECT TO CONFORM TO LOCAL CODE WITH THE LATEST EDITIONS OF THE VIRGINIA SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITIONS OF THE VIRGINIA SPECIFICATIONS FOR STRUCTURAL STEEL, AND THE VIRGINIA SPECIFICATIONS FOR CONCRETE.
 - THE CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS IN FIELD PRIOR TO ERECTION.
 - ALL REPAIRS IN CONTACT WITH CONCRETE AND MASONRY TO BE REPAIRS TREATED WITH WOOD PRESERVATIVE.
 - COORDINATE ALL DRAWINGS WITH PROJECT MANUAL.
 - ARCHITECTURAL ELEVATIONS SHALL BE REFERENCED TO THE FINISH FLOOR OF THE OFFICE SLAB. THIS IS EQUIVALENT TO THE FINISH ELEVATION OF 540'-0" REF. C.L.

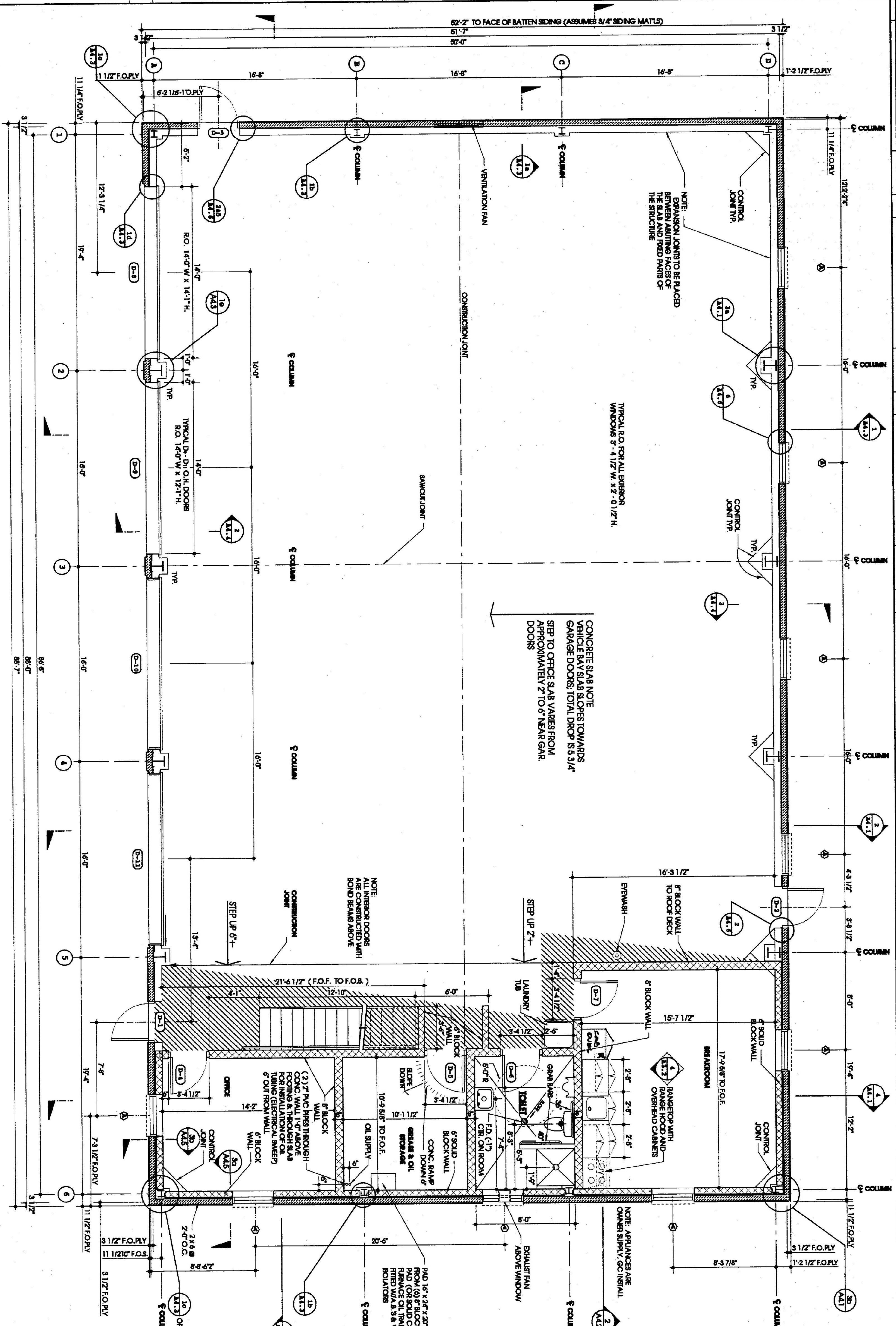
PROJECT DRAWING LIST

CIVIL BY DESIGN-BUILD	
C1	SITE PLAN
C2	LANDSCAPE PLAN
C3	ROAD PROFILE
C4	ROAD CROSS SECTION
C5	WATER DETAIL
C6	SEWER DETAIL
C7	STORM DETAIL
C8	STORM DETAIL
C9	STORM DETAIL
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C100	STORM DETAIL

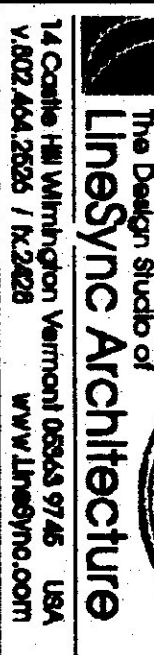
ATSP
AGENCY OF TRANSPORTATION
STORAGE FACILITY PROJECT

FIRST FLOOR PLAN

DATE: 17 JUNE 2001
DRAWN BY: _____
CHECKED BY: _____
DATE: _____



FIRST FLOOR PLAN



CLERK

1. PROJECT TO CONFORM TO LOCALS WITH THE NATIONAL ELECTRICAL CODE. OTHER CODES SUCH AS THE NATIONAL FIRE PROTECTION CODE AND THOSE ESTABLISHED BY THE NATIONAL BOARD OF FIRE UNDERWRITERS ARE TO BE OBSERVED TO THE EXTENT THAT THEY DO NOT CONTRADICT THE NATIONAL ELECTRICAL CODE. THE GROUP IS INVOLVED IN THIS WORK BECAUSE THE GROUP IS BUSINESSES SIMILAR TO THE FIRE STATION.
2. THE CONTRACTOR SHALL VENTURE CONDITIONS AND DIMENSIONS IN FIELD PRIOR TO BEGGIN.
3. ALL PLACING IN CONTACT WITH CONCRETE AND MAJORITY TO THE FRESHLY PREPARED WOOD.
4. COORDINATE ALL DRAWINGS BY PROVIDER MANUAL.
5. ARCHITECTURAL ELEVATION BUILDING REFERENCES TO BE SUBMITTED TO THE STATE ENGINEERING BOARD OF QUALITY TO THE STATE ENGINEERING ELEVATION OF 50-50-00. SEE C-1.

PROJECT DRAWING LIST

- C1.01 SITE PLAN
- C1.02 SITE PLAN
- C1.03 LAYOUT PLAN
- C3 ROAD PROFILES
- C4.56/7 ROAD CROSS SECTIONS
- C8.9 SITE DETAILS
- C10.11 SERVICE SYSTEM DETAILS

CARPARK & SERVICES BY LINDBERG ARCHITECTURE

- A1 SITE PLAN, LOCATION MAP & REFERENCES
- A21 ELEVATIONS
- A32 ELEVATIONS
- A33 1ST FL. PLAN
- A35 MEZZANINE/ROOF PLAN, WINDOW/DOOR, SCHED
- A41 CONNECTIONS TO ADJ. BUILDING
- A42 CONNECTIONS TO ADJ. BUILDING

INTERIOR ELEVATION/SECTION (LOOKING SOUTH TOWARDS "A" COLUMN LINE)

1

1/8-21-21	M.2
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M1.2

PACK AREA BETWEEN BLOCK WALL AND ROOF DECK WITH MINERAL WOOL AND SEAL WITH FIRE CHALK

VARIES

GARBAGE MARCH/SHED BLDGS BY DEPT OF STATE BLDG
M1 GARBAGE MECHANICAL PLAN
M2 GARBAGE MECHANICAL PLAN
8B-1 GARBAGE MARCH/STB/LOBBY/IDEN/INCH/SHEDS
8B-1 A.O.T. 2nd/6th STORAGE BLDG W/STRUCT.
8B-1 A.O.T. 4th/6th BALT / RAND SHEDS W/STRUCT
A.C.T. 4th/6th BALT / RAND SHEDS W/STRUCT
A.C.T. 4th/6th BALT / RAND SHEDS W/STRUCT

BRIEF REPORT

1	20 NOV 81	ISSUED FOR SIALE REVIEW
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ATSF

STIMBAGE MAINTAINS PROTECT

TRADE NAMES SYMBOLISM

U.S. GOVERNMENT PRINTING OFFICE

I

[illegible]

PROJECT NUMBER

17 JUNE 2001

[illegible][illegible]

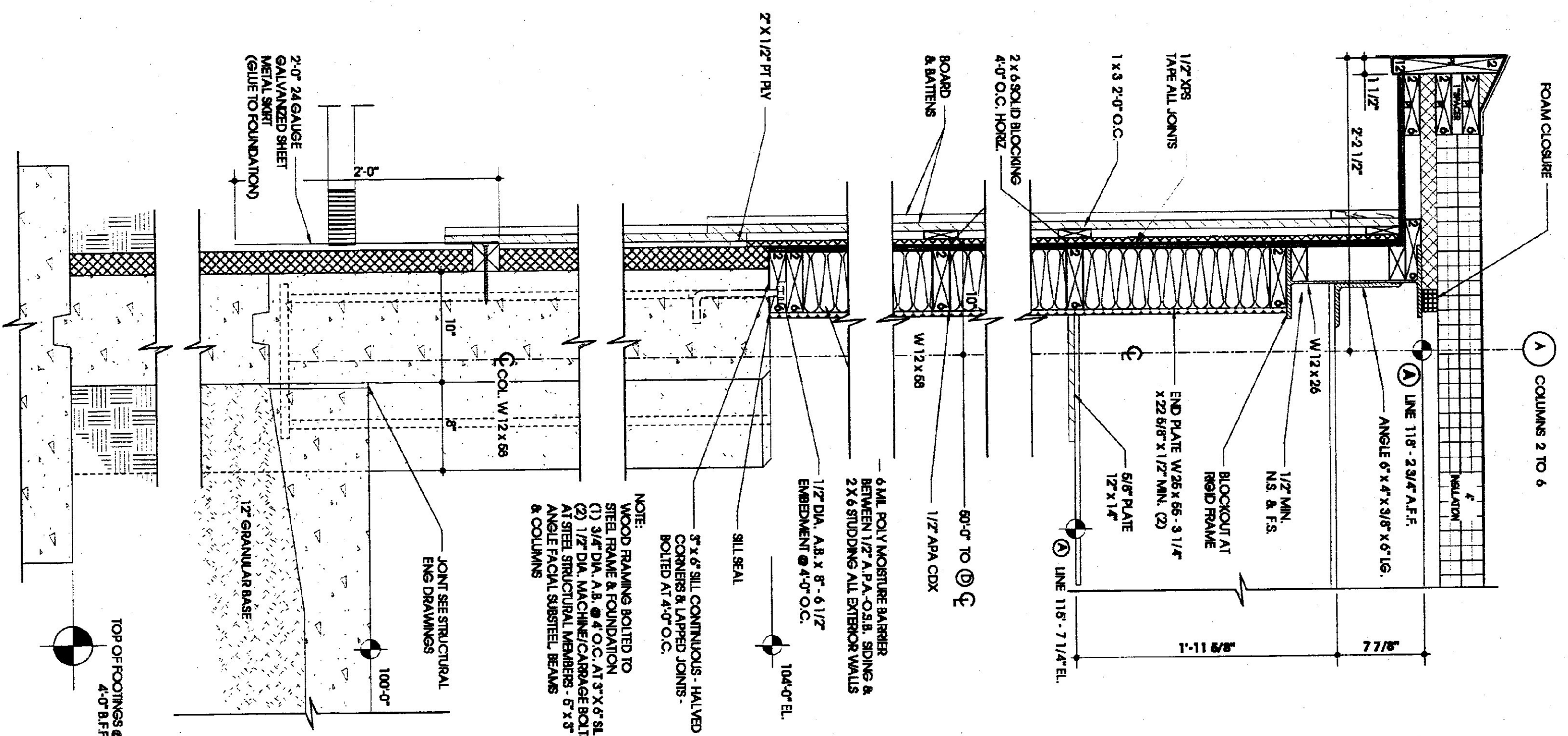
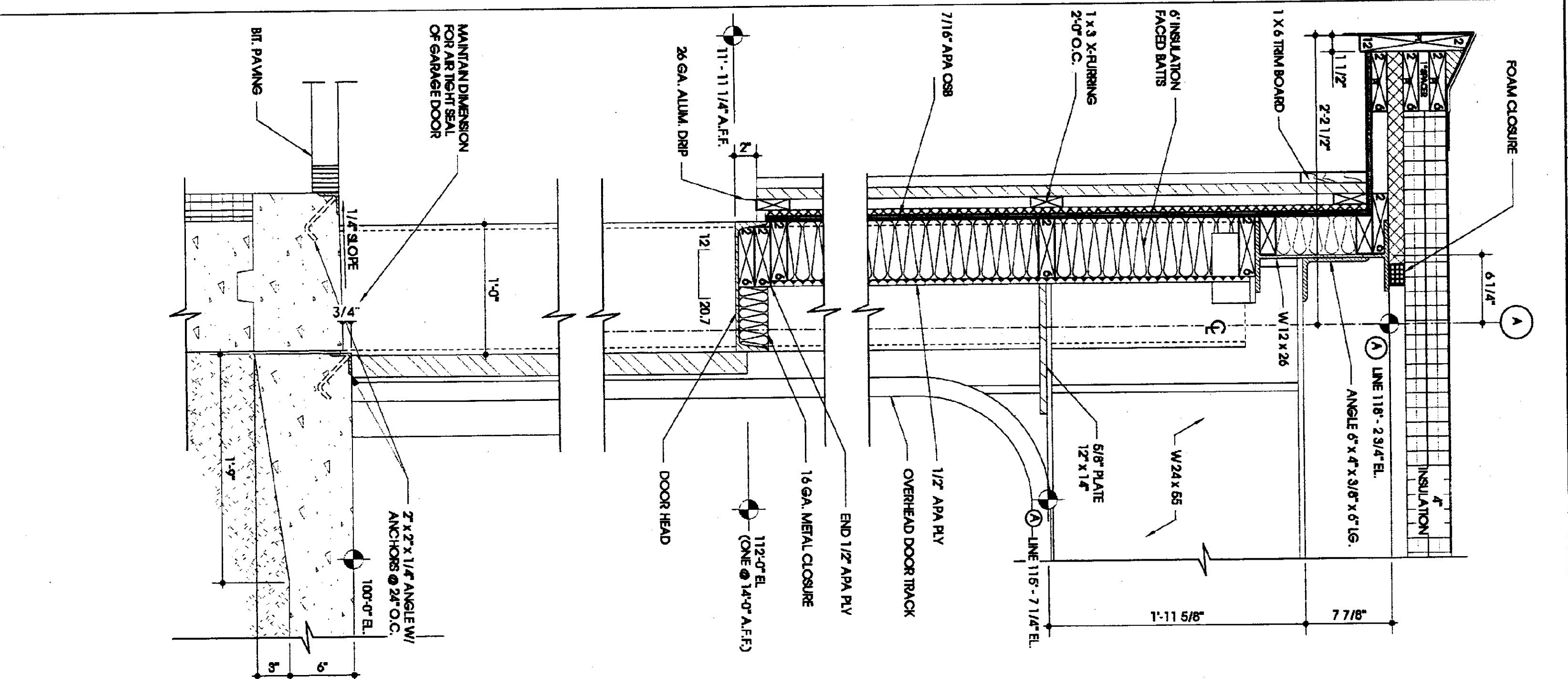
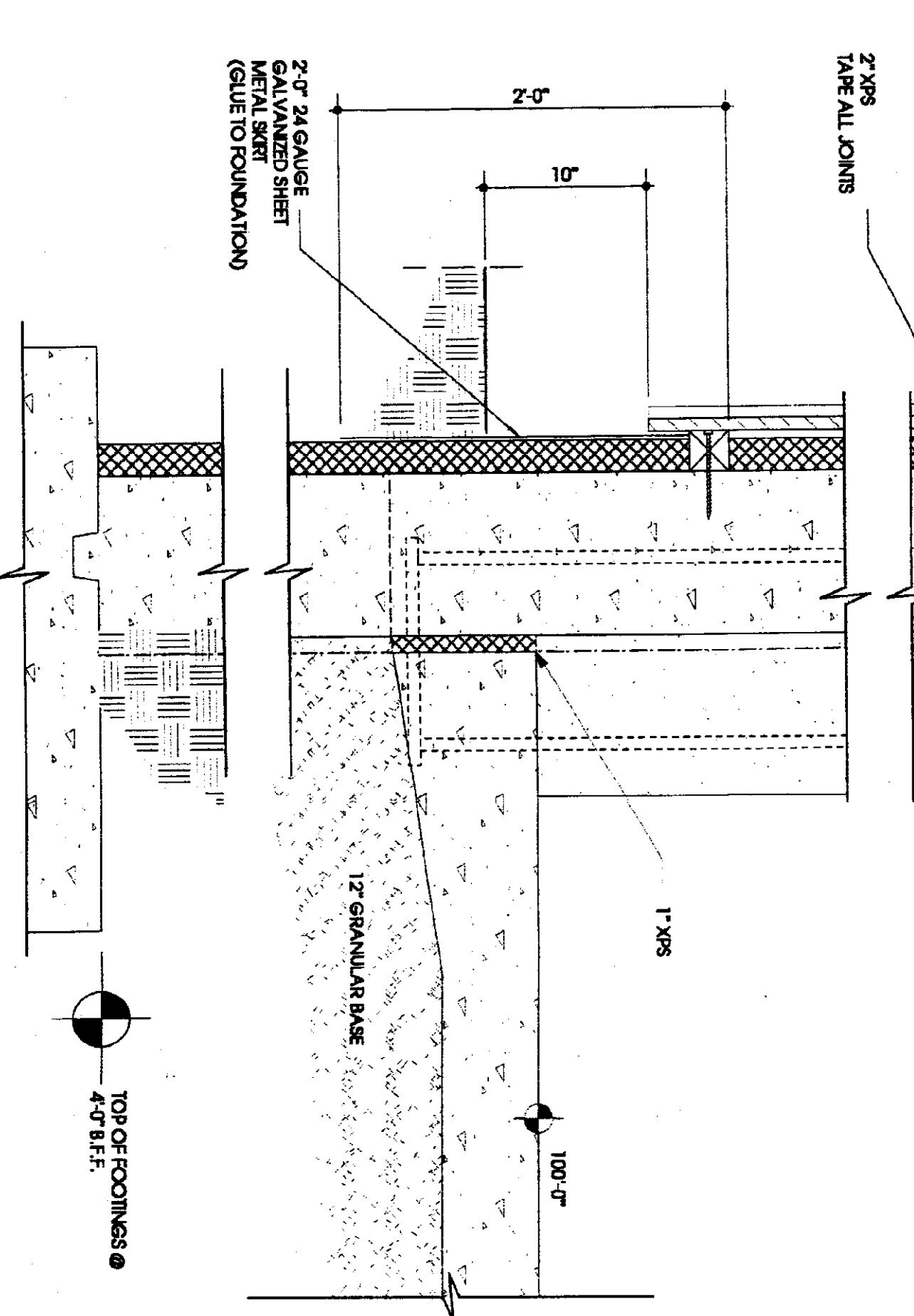
The Design Studio of
Linesync Architecture
1100 Main Street, Suite 100, Montpelier, VT 05602
802.244.2525 / 1.828.225
www.linesync.com

STATE OF VERMONT
REGISTERED ARCHITECT
JAMES L. LINES
1100 MAIN STREET, SUITE 100
MONTPELIER, VT 05602

- STATE HIGHWAY GARAGE GENERAL NOTES**
1. PROJECT TO CONFORM TO LOCAL CODES WITH THE NATIONAL FIRE SAFETY CODE. OTHER CODES SUCH AS THE NATIONAL ELECTRICAL CODE AND THE NATIONAL BUILDING CODE SHALL APPLY TO THE SPECIFIC TRADES DIVISIONS BY THIS WORK. (SEE GROUP B BUSINESS (SIMILAR TO PRESTATION).
 2. THE CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS IN FIELD PRIOR TO RESECTION.
 3. ALL FRAMING IN CONTACT WITH CONCRETE AND MASONRY TO BE PRESERVED TREATED WOOD.
 4. COORDINATE ALL DOOR WINDOWS W/ PROJECT MANUAL.
 5. ARCHITECTURAL ELEVATION REFERENCE TO THE EXISTING ELEVATION IS EQUIVALENT TO THE INTERIOR ELEVATION OF 20'-0" REF. C1.

PROJECT DRAWING LIST

- CIVIL BY DURHAM-HENNEY
C1 SITE PLAN
C2 LAYOUT PLAN
C3 ROAD PROFILE
C4.5-67 ROAD CROSS SECTIONS
C5.9 SITE DETAILS
C6.11 SITE DETAILS
- GARAGE & OFFICE BY LINESYNC ARCHITECTURE
A11 SITE PLAN LOCATION MAP & REFERENCES
A12 ELEVATIONS
A22 ELEVATIONS
A31 1ST FL. PLAN
A32 MEZZANINE/ROOF PLAN, WINDOW, SCHED
A41 INTERIOR ELEVATIONS
A42 INTERIOR ELEVATIONS & SECTIONS
A43 WALL SECTIONS & DETAILS
A44 WALL SECTIONS & DETAILS
A45 WINDOW & STAIR DETAILS
A47 WINDOW & STAIR DETAILS
- GARAGE STRUCTURAL BY BALAN ASSOCIATES
S0.1 GEN. STRUCT. NOTES & STANDARD DETAILS
S1.1 FOUNDATION PLAN
S1.2 ROOF/FLOORING PLAN
S1.3 STRUCTURAL SECTIONS & DETAILS
S2.1 STANDARD STRUCTURAL DETAILS
S2.2 STANDARD STRUCTURAL DETAILS
S2.3 STANDARD STRUCTURAL DETAILS
S2.4 STANDARD STRUCTURAL DETAILS
S2.5 STANDARD STRUCTURAL DETAILS
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S2.99 STANDARD STRUCTURAL DETAILS
S2.100 STANDARD STRUCTURAL DETAILS



WALL SECTIONS

17 JUNE 2001

0113

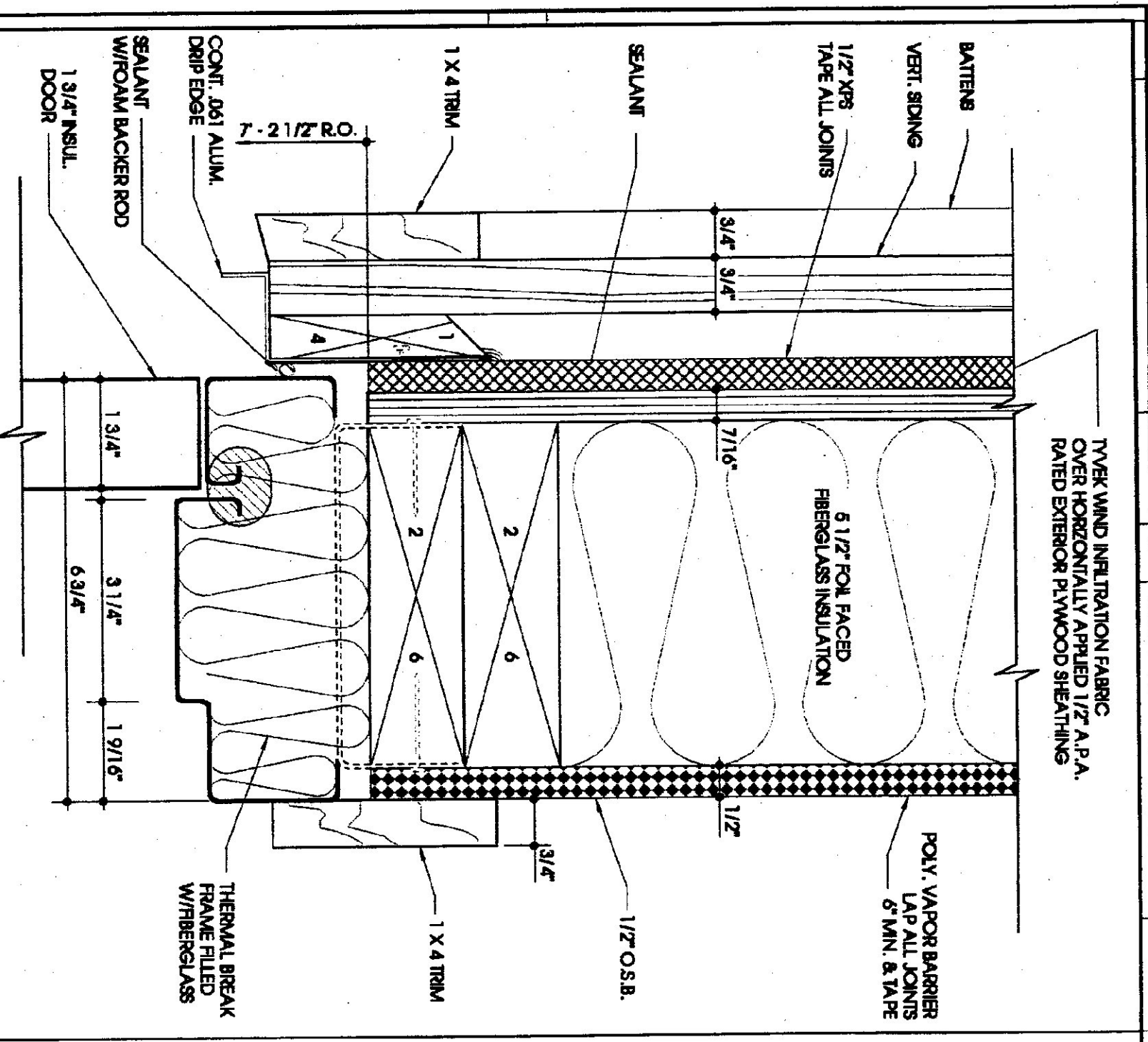
17 JUNE 2001

17 JUNE 2001

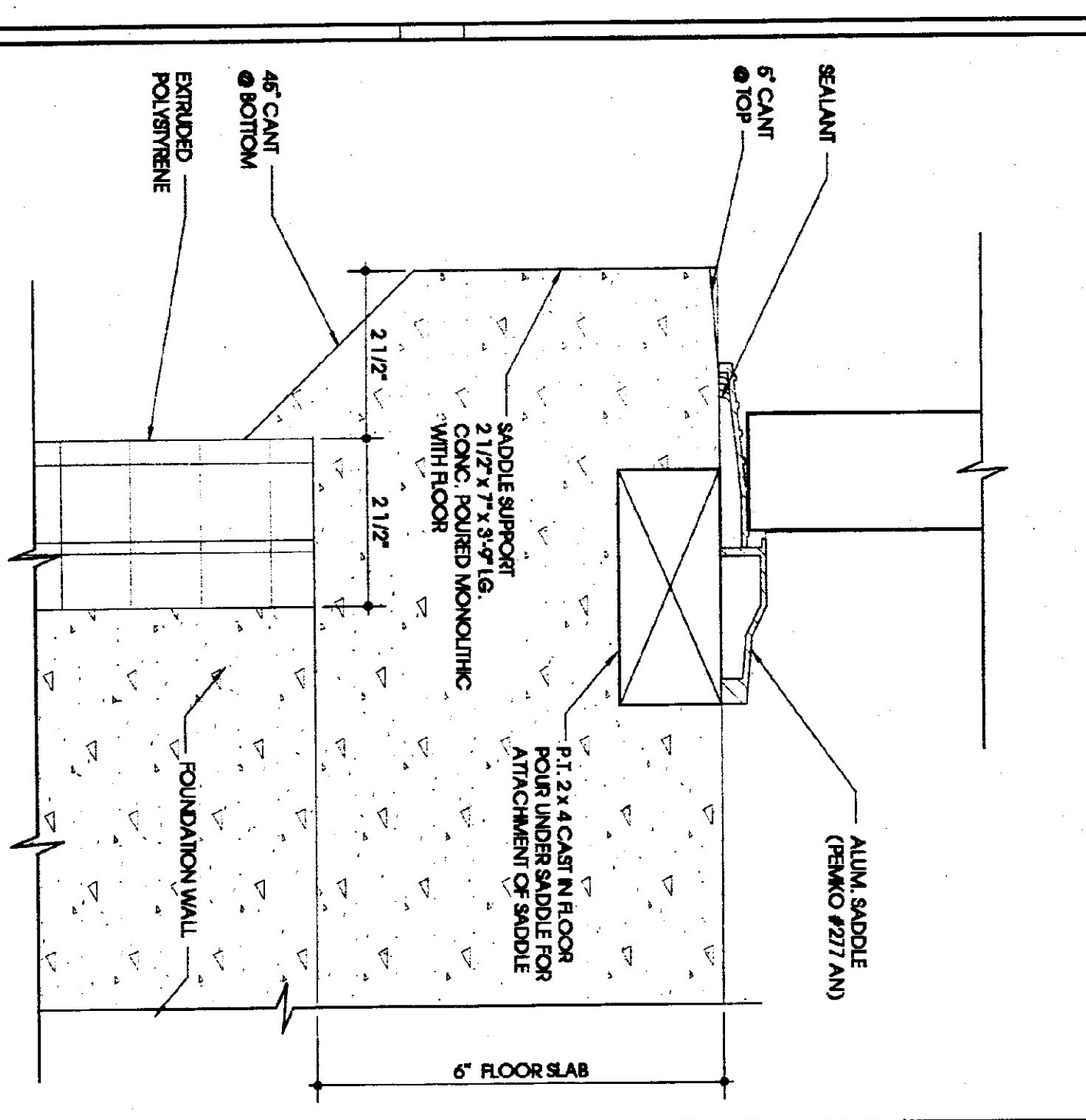
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OVERHEAD DOOR SECTION

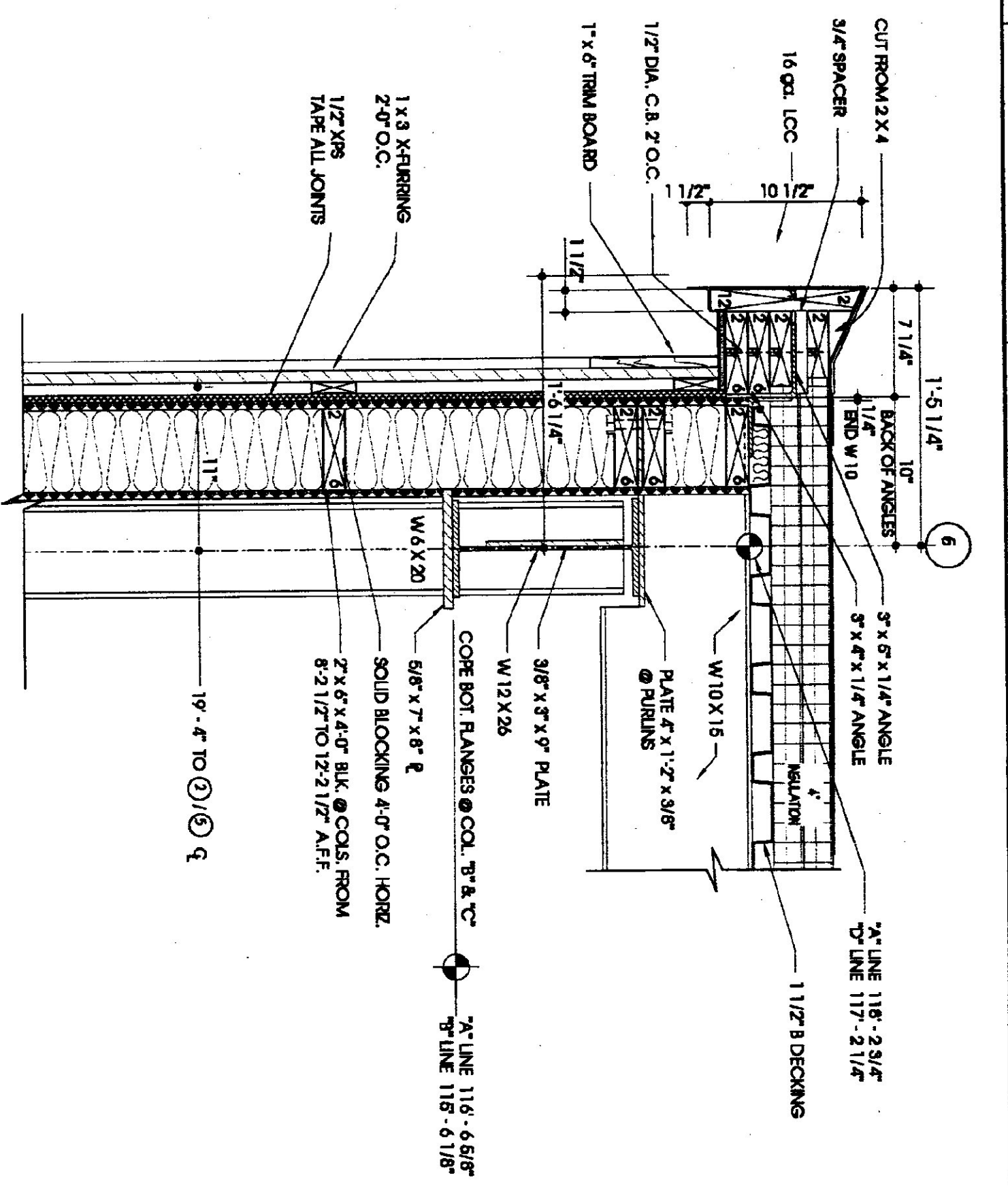
WALL SECTION & COL. LINE "A" PIERS



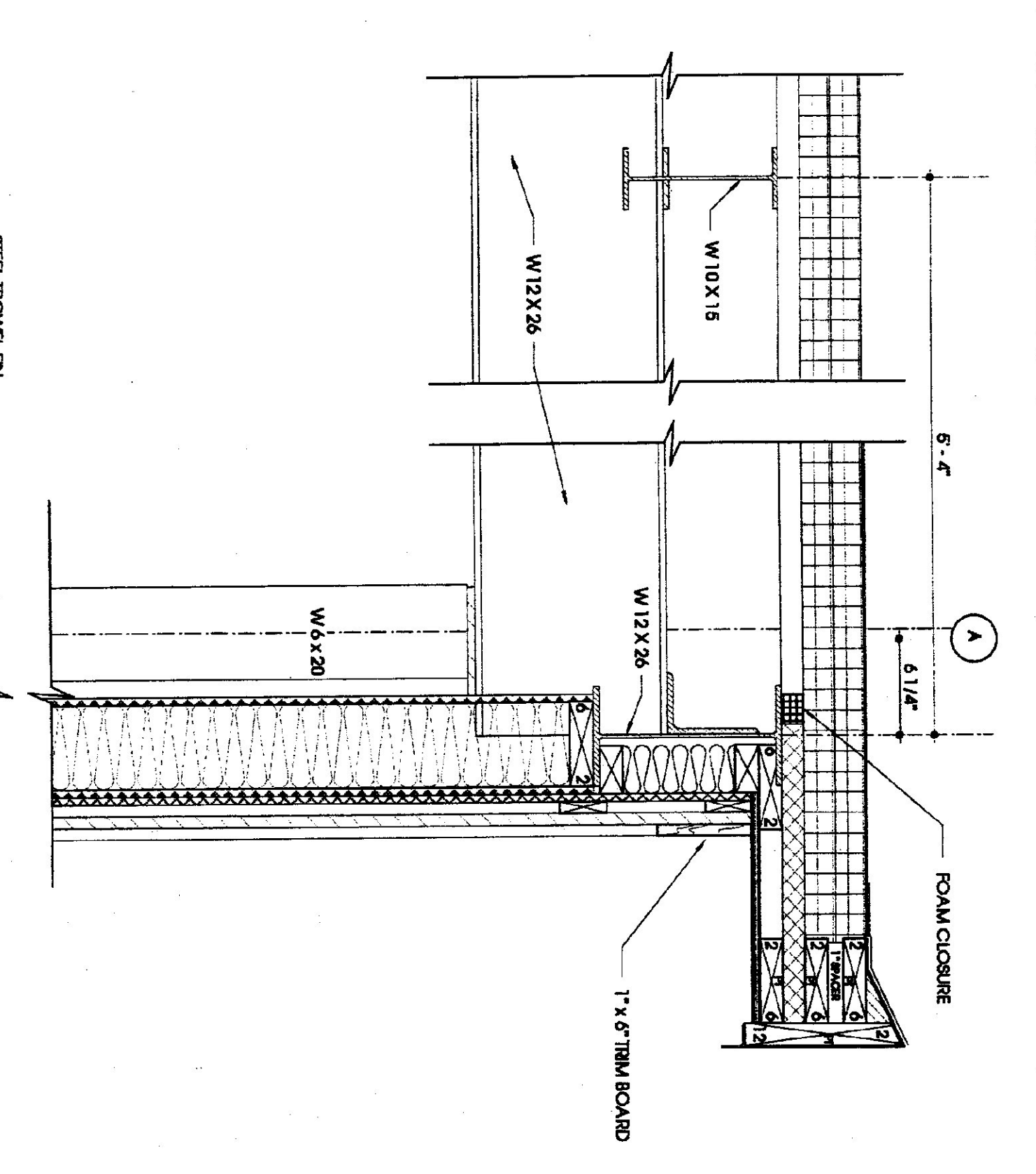
1 DOOR HEAD



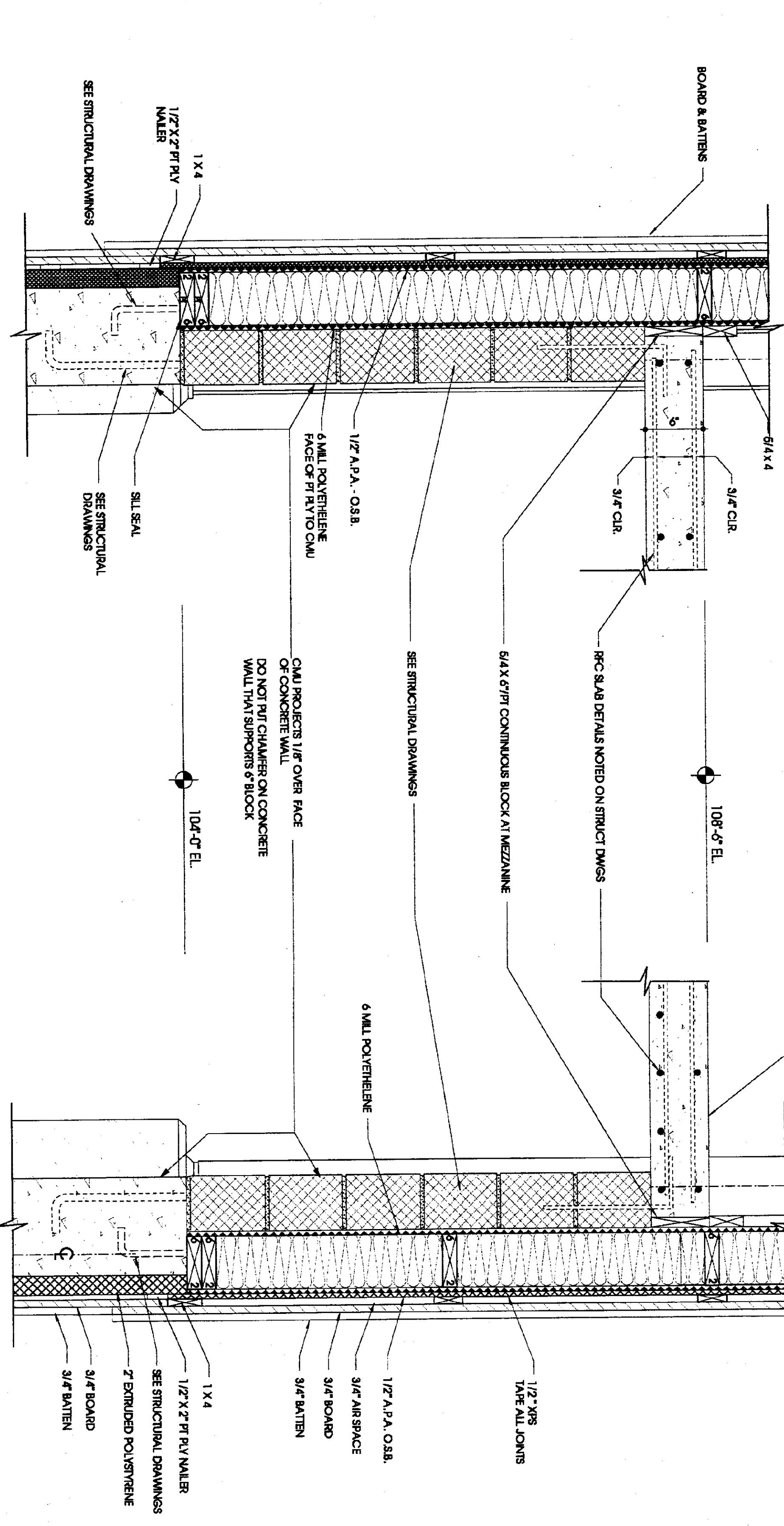
2 DOOR SILL



30 END WALL SECTION @ MEZZANINE



30 WALL SECTION @ COL. LINE 'A' MEZZANINE



- STATE HIGHWAY GARAGE GENERAL NOTES**
1. PROJECT TO CONFORM TO REG. 106 WITH THE NATIONAL ELEVATION BULLETIN REFERENCE A 100' DATUM AT THE TOP OF THE OFFICE SLAB. THE B ELEVATION TO THE SITE ENGINEER'S ELEVATION OF 50'-0\"/>

- PROJECT DRAWING LIST**
- CIVIL BY DUFFENBERG-HENNEY
- C1 SITE PLAN
 - C2 LAYOUT PLAN
 - C3 ROAD CROSS SECTION
 - C4 1/2\"/>

- GARAGE & OFFICES BY LINESYNC ARCHITECTURE**
- A1.1 SITE PLAN, LOCATION MAP & REFERENCES
 - A1.2 ELEVATIONS
 - A1.3 SECTION
 - A1.4 1/2\"/>

- GARAGE STRUCTURAL BY RALPH ASSOCIATES**
- S0.1 FOUNDATION PLAN
 - S0.2 ROOF RAISING PLAN
 - S2.1.2 STRUCTURAL SECTIONS & DETAILS
 - S3.1 STANDARD STRUCTURAL DETAILS

- ELECTRICAL BY DUFFENBERG-HENNEY**
- E1.1 FIRST FLOOR PLAN (ONE LINER MEZ.)

- GARAGE MECHANICAL BY DEPT OF STATE BLDGS**
- M1.1 GARAGE MECHANICAL PLAN
 - M2.1 GARAGE MECHANICAL PLAN
 - M3.1 A.O.T. 24000 BTU/HK BLDG WITH/OUT
 - M4.1 VENTILATION SYSTEM PLAN & DETAILS

ATSF AGENCY OF TRANSPORTATION STORAGE FACILITY PROJECT

REARDOBO, VERMONT

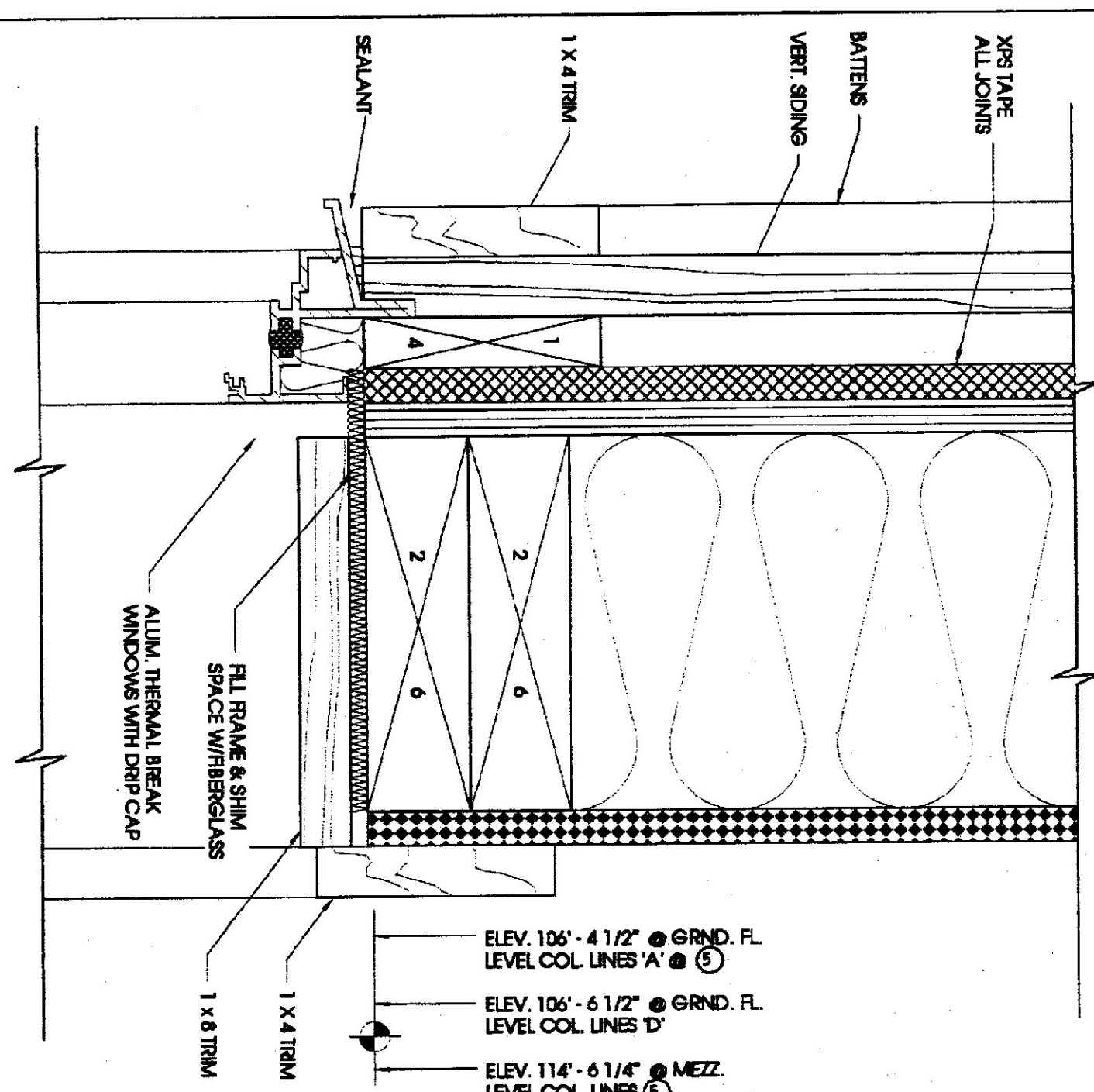
WALL SECTIONS & DETAILS

17 JUNE 2001

The Design Studio of Linesync Architecture

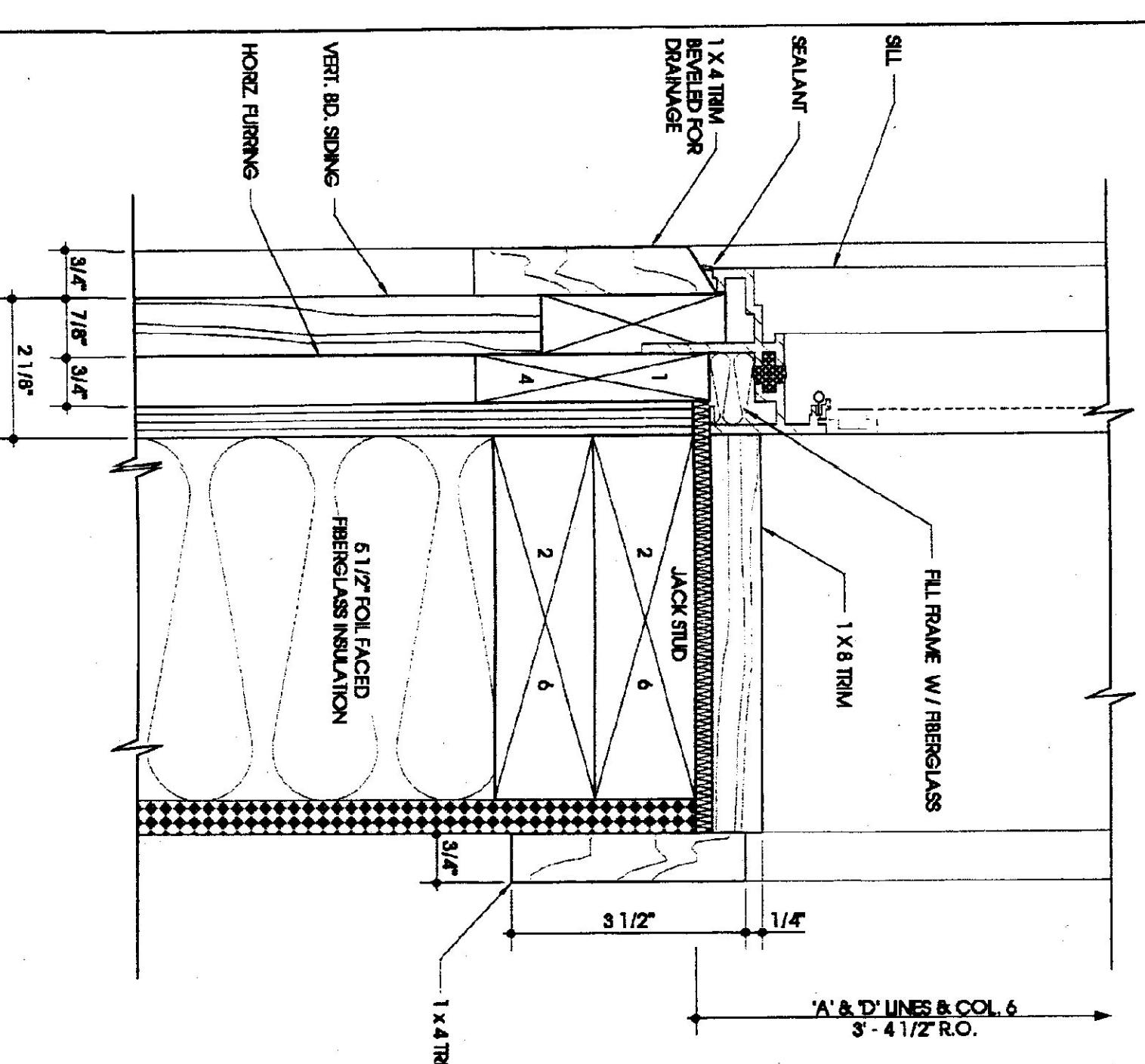
14 College Hill, Wilmington Vermont 05363 974-6 USA

V 802.464.2526 F 802.464.2525 WWW.LINESYNCA.COM



TYPICAL WINDOW HEAD

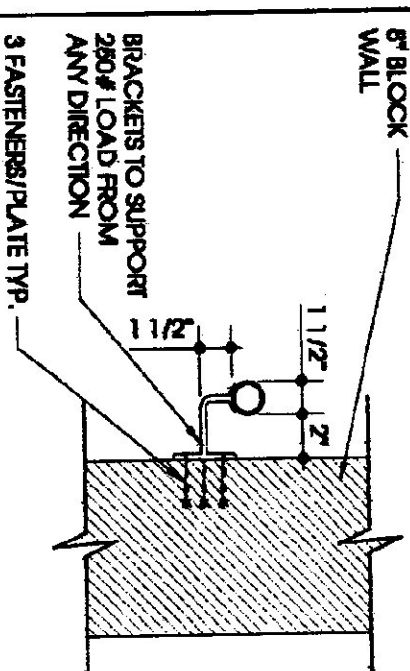
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M.6	



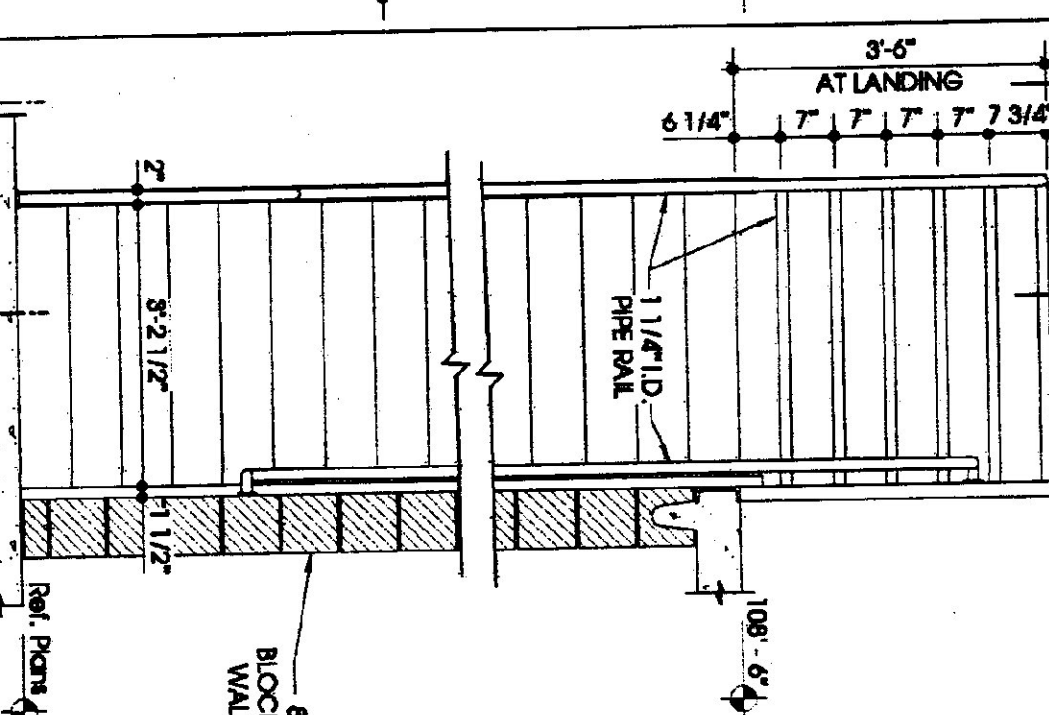
TYPICAL WINDOW JAMB

HALT BC	
M-6	

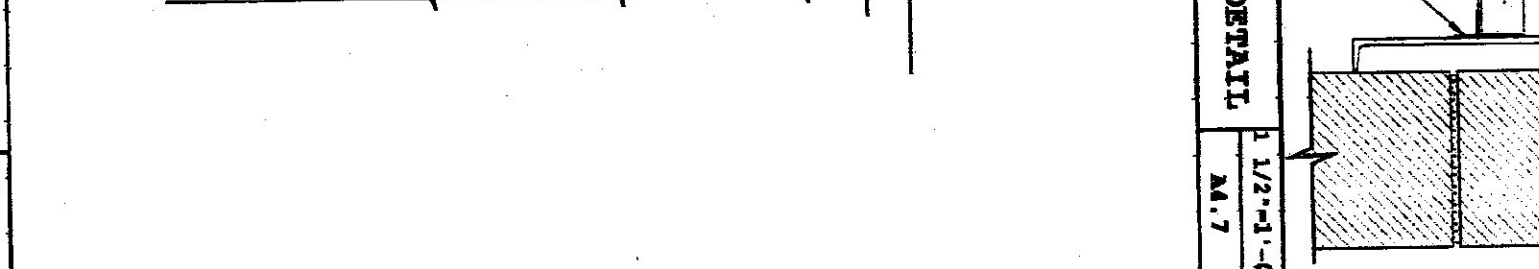
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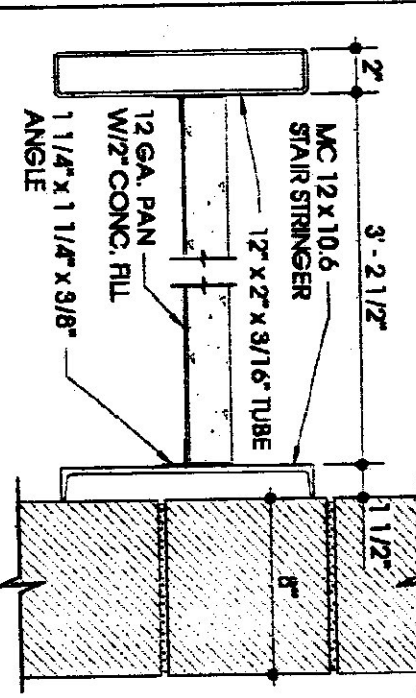
3	RAILING DETAIL
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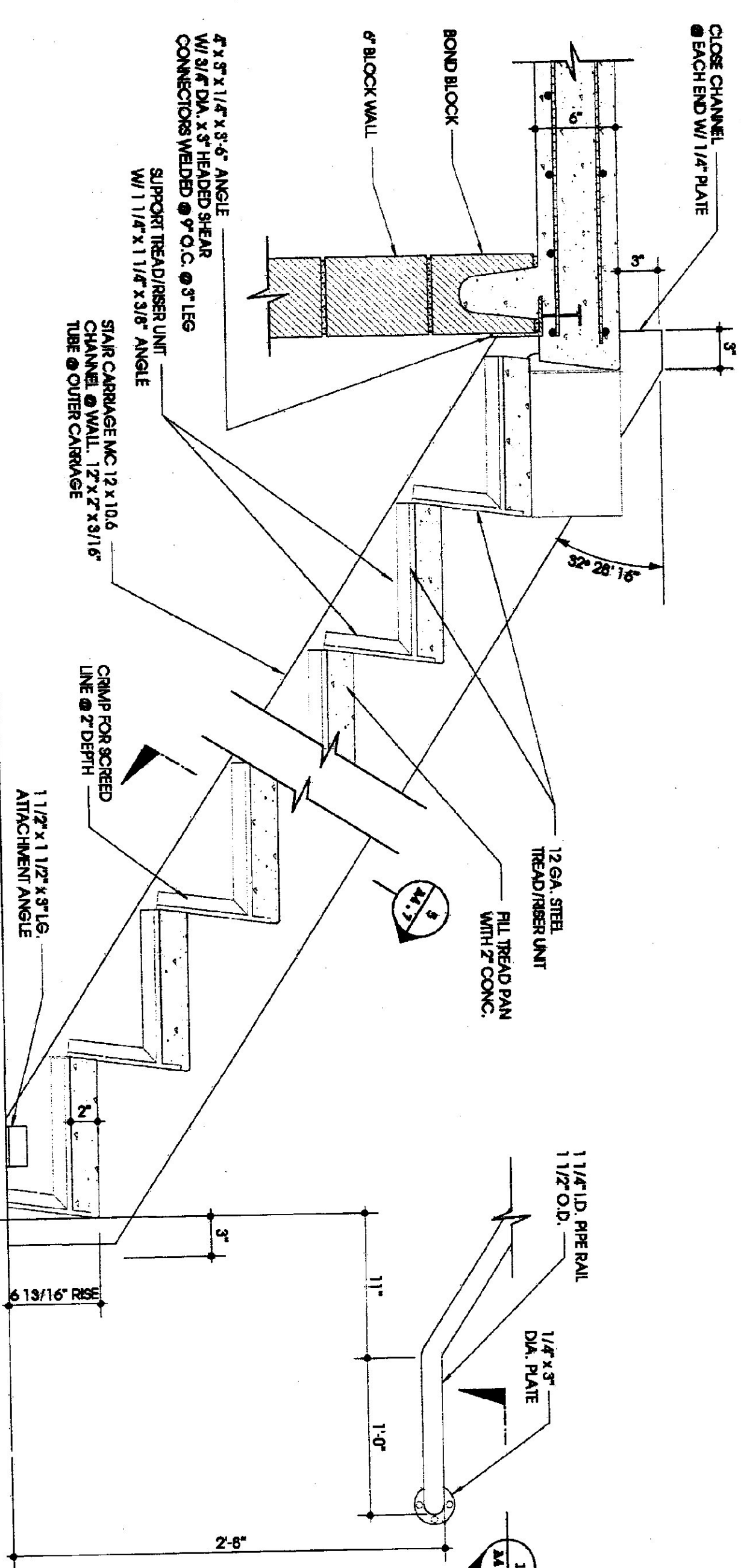
7 STAIR CROSS SECTION



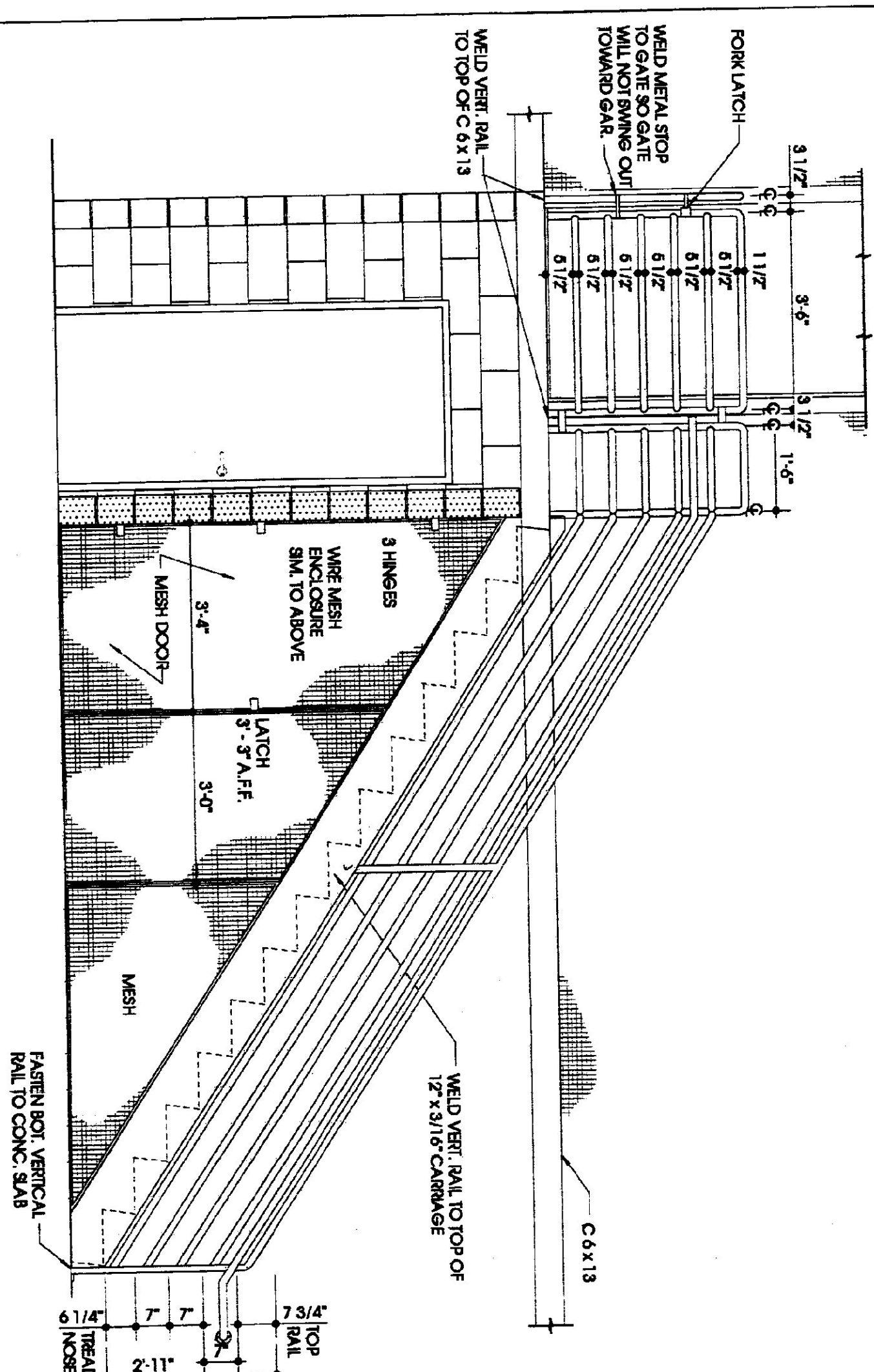
LONGITUDINAL STAIR SECTION



5 STAIR STRINGER DETAIL



LONGITUDINAL DETAILS



STAIR ELEVATION

No.	DATE	ISSUED REASON
1	20 NOV 01	ISSUED FOR STATUS REVIEW
2	07 FEB 02	ISSUED FOR BID

**ATSP
AGENCY OF TRANSPORTATION
STORAGE FACILITY PROJECT**

READSBORO, VERMONT
WINDOW & STAIR
DETAILS

 BAR = ONE INCH	NEW BD TAKEN BY	 85
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0113

PROJECT NUMBER

A4.7


The Design Studio of
Linesync Architecture
14 Cattle Hill Whalington Vermont 05653 9746 USA
1.802.464.2526 / 762.428
www.Linesync.com

STATE HIGHWAY GARAGE GENERAL NOTE

1. PROJECT TO CONFORM TO LOCAL LAWS WITH THE EXCEPTION OF THE CONCRETE AND TROOP REQUIRED BY LOCAL AND STATE AUTHORITIES HAVING JURISDICTION OVER THIS WORK. LOCAL FIRE GROUP B BUSINESS SIMILAR TO FIRE ELEVATION.
2. THE CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS IN FIELD PRIOR TO ERECTION.
3. ALL REPAIRS IN CONFLICT WITH CONCRETE AND MAJORITY TO BE REBUILT TREATED WOOD.
4. COORDINATE ALL DATA WITH W/ PROJECT MANUAL
5. ARCHITECTURAL ELEVATION R/L FOR REFERENCE TO BE USED TO DETERMINE THE FINISH ELEVATION OF THE TOP OF THE BUILDING'S ELEVATION OF 5'00" C/L. SEE C/L.

PROJECT DRAWING LIST

- CIVIL BY DISPERSE-BENNY
- C1 INTER PLAN
- C2 LAYOUT PLAN
- C3 ROAD PROFILE
- OK 5.67 ROAD CROSS SECTIONS
- C49 SITE/DETAILED
- C49.1 SEPTIC SYSTEM DETAILS
- C49.1.1
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- A41 SECTIONS/DETAILS
- A42 INTERIOR ELEVATIONS
- A43 INTERIOR ELEVATIONS & SECTIONS
- A44 WALL SECTIONS
- A45 WALL SECTIONS & DETAILS
- A46 DETAILS
- A47 WINDOW & STAIR DETAILS

GARAGE STRUCTURAL BY BALAM ASSOCIATES
80.1 CEILING STRUCT NOTES & STANDARD DETAILS
81.1 FOUNDATION PLAN
81.2 ROOF FRAMING PLAN
821.2 STRUCTURAL SECTIONS & DETAILS
83.1 STANDARD STRUCTURAL DETAILS

ELECTRICAL BY DIFFERENCE-HENRY
B31 ELECTRICAL SITE PLAN
B1 FIRST FLOOR PLAN (INCLUDES MEZ.)

8B-1	A.O.T. 24x48 STORAGE BLDG W/STRUCT.	
8B-1	A.O.T. 40x80 BALT / SAND SHEDS W/STRUCT	
P-1	PRING PLANS & DETAILS	
V-1	VENTILATION SYSTEM PLANS & DETAILS	
No.	DATE	DRAWING RELEASE

1	20 FEB '02	ISSUED FOR BID
2	07 FEB '02	

ATSE
AGENCY OF TRANSPORTATION
STORAGE FACILITY PROJECT

READSBORO, VERMONT

WINDOW & CIGARETTE	DETAILS	SHERIFF PYLE	MTW BD
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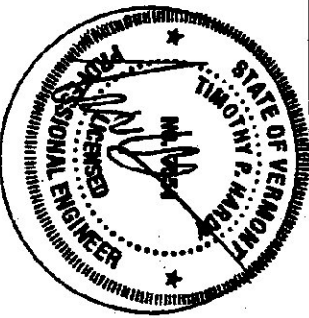
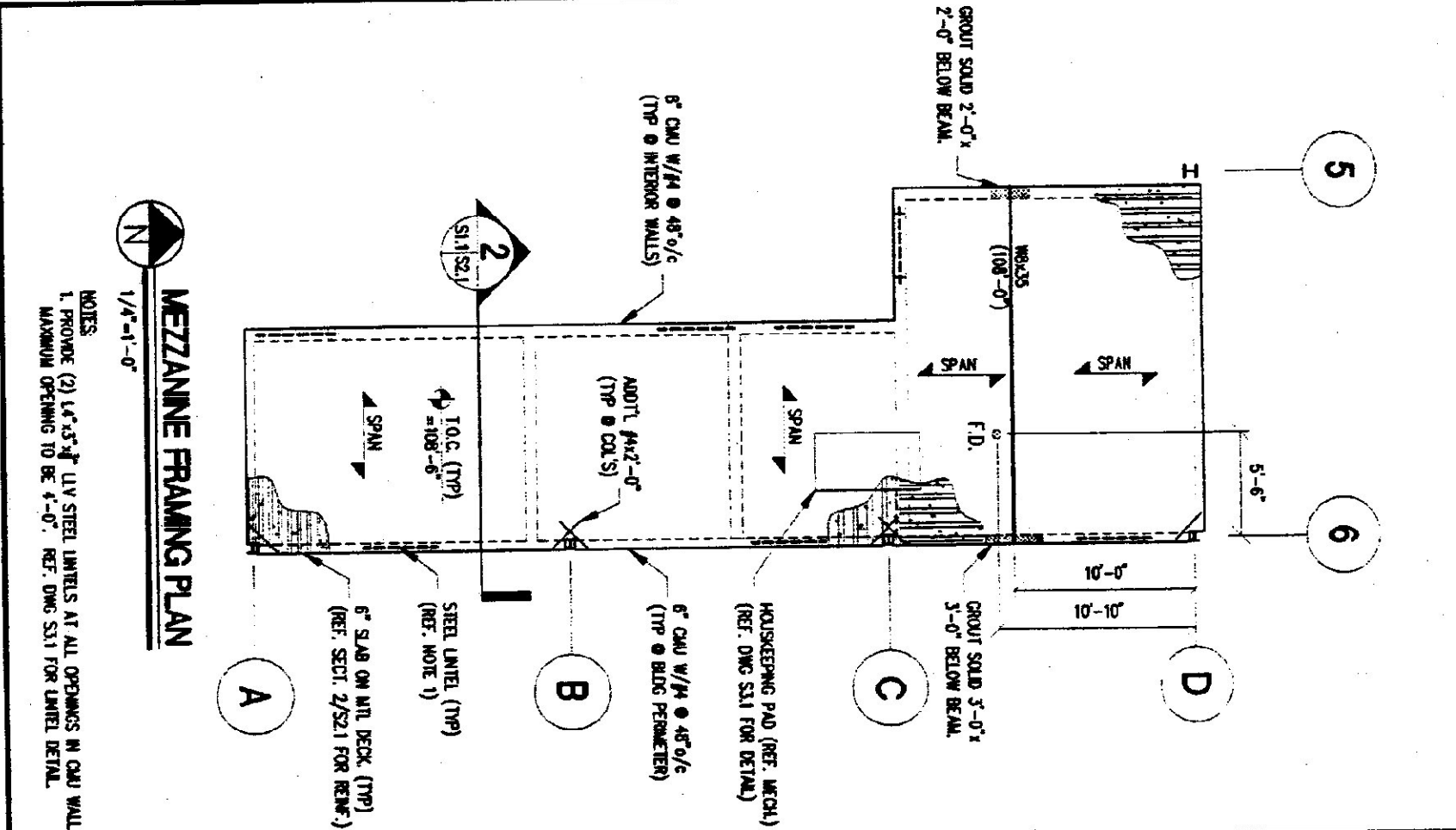
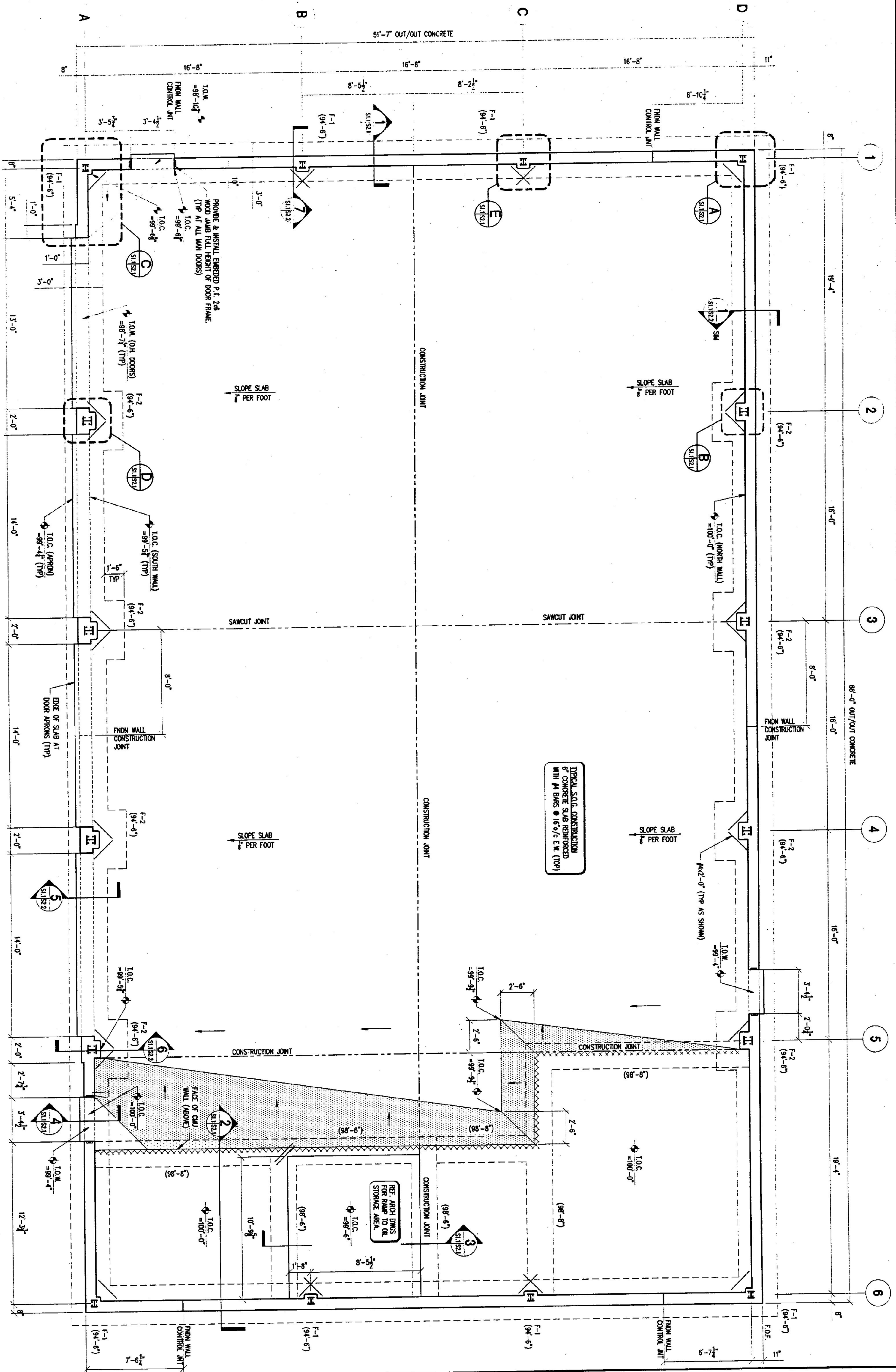
0113	PROJECT NUMBER	AL4.
12	12	12

	DRAWING DATE	SHEET DESIGN
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FOOTING SCHEDULE			
MARK	SEE (NOTATION)	DEPTH (INCHES)	REINFORCING (FOOT, INCH)
F-1	3'-0" x 3'-0"	12"	#4 @ 6" E.A. WAY
F-2	4'-0" x 4'-0"	12"	#4 @ 6" E.A. WAY

- NOTES:**
1. CONCRETE SLAB-ON-GRADE SHALL BE 6" THICK AND REINFORCED WITH #4 BARS @ 16" O.C. (TYP.) (U.N.O.).
 2. TOP OF CONCRETE SLAB ELEVATION SHALL BE 100'-0" (U.N.O.).
 3. TOP OF CONCRETE FOUNDATION WALL ELEVATION SHALL BE 104'-0" (U.N.O.).
 4. BOTTOM OF FOOTING ELEVATIONS ARE NOTED ON PLAN.
 5. ALL COLUMNS, PERS. AND WALLS SHALL BE CENTERED ON FOOTINGS. (U.N.O.).
 6. ALL ANCHOR BOLTS SHALL BE C-90 HOT-DIPPED GALVANIZED.
 7. BOTTOM OF COLUMN BASE PLATE ELEVATIONS TO BE 104'-1" (U.N.O.). (REF. SECT. 6/52.2)
 8. REFER TO DRAWING 50.1 FOR GENERAL NOTES, ABBREVIATIONS & STANDARD SYMBOLS.

FOUNDATION PLAN



No.	DATE	REVISION
0	10/12/01	ISSUED FOR CONSTRUCTION
1	2/4/02	INCORPORATED OWNER COMMENTS

Hallam Engineering
A Division of Hallam Associates, Inc.
60 Parrell St., Suite 300
St. Burlington, Vermont 05403
(802) 659-4891

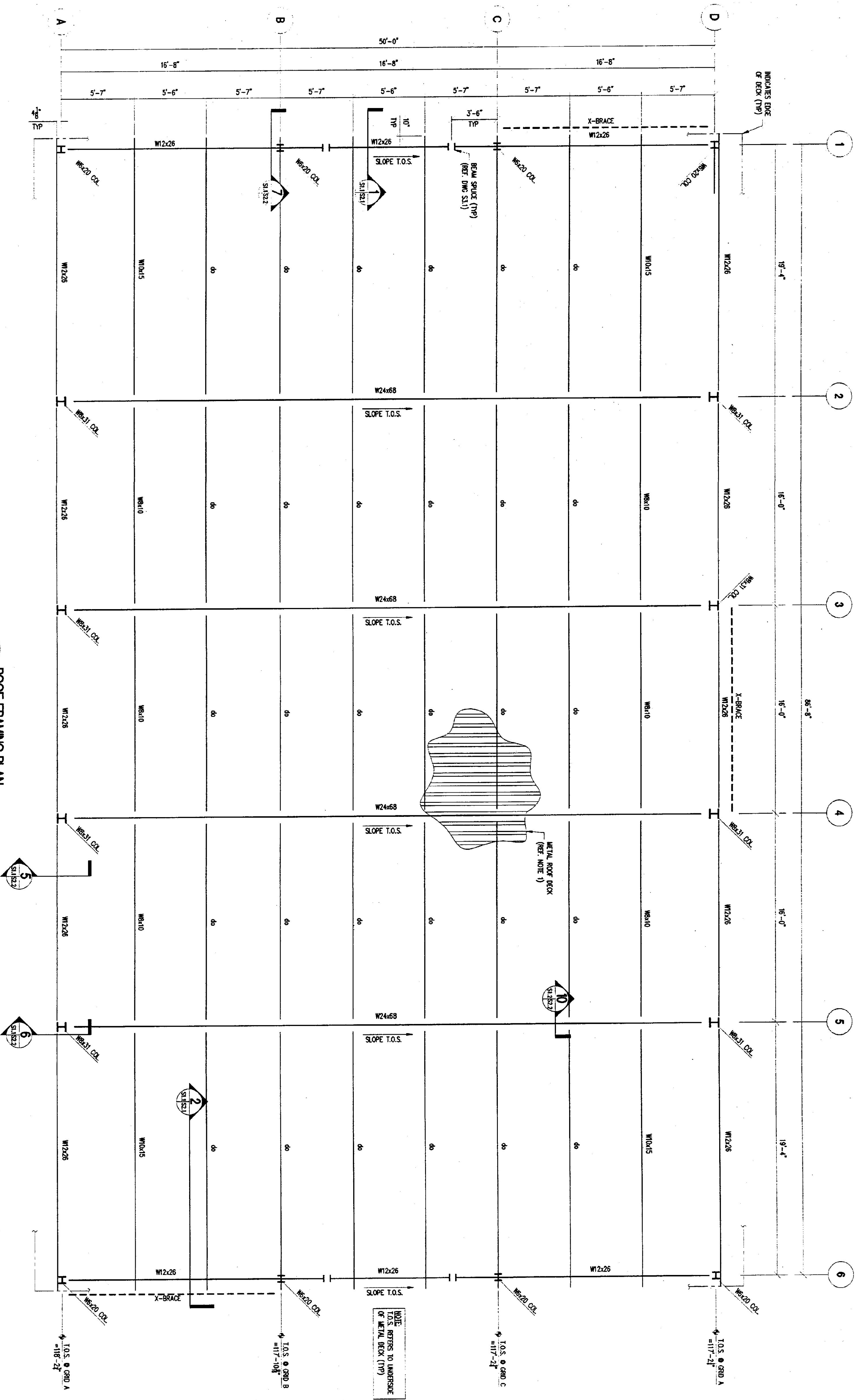
The Design Studio of
LineSync Architecture
14 Castle Hill Wilmington Vermont 05363 9745 USA
v.802.464.2526 / h.2428 www.LineSync.com

STATE OF VERMONT
READSBORO HIGHWAY GARAGE PROJECT
READSBORO, VERMONT

FOUNDATION PLAN

DRWN	1	REVISION
CHKD	DATE	
TPH	10/12/01	
SCALE	Project No.	
AS NOTED	11851.000	

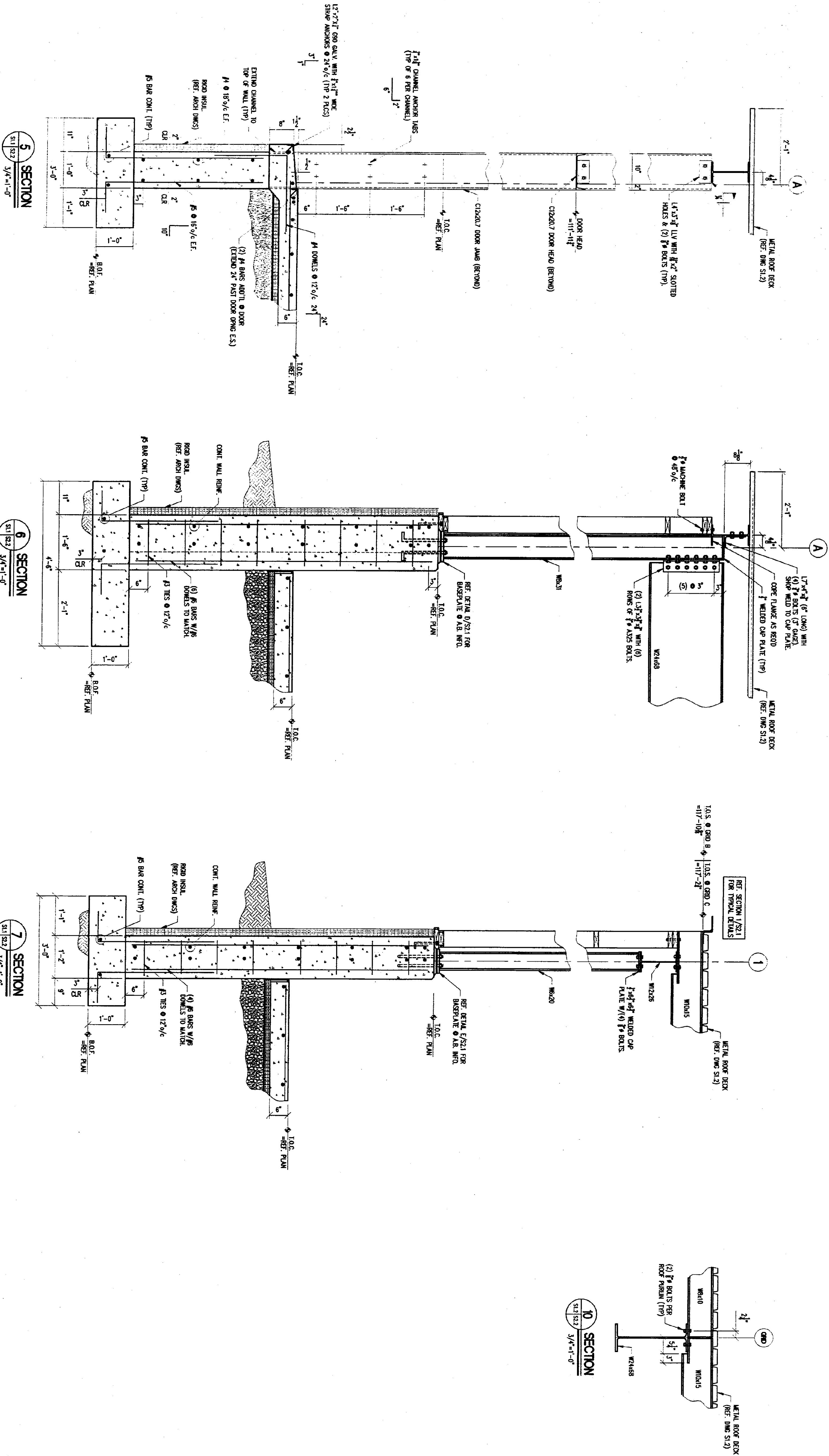
S11



DO NOT ALTER OR
MODIFY ANY
PARTS OF THIS
DRAWING WITHOUT
THE WRITTEN
CONSENT OF
THE ENGINEER

ROOF FRAMING PLAN

- NOTES:
1. ROOF DECK SHALL BE 1/4" THICK, TYPE B, 60% GALVANIZED METAL ROOF DECK, AS MANUFACTURED BY UNITED STEEL DECK, INC. OR APPROVED EQUIV.
 2. FASTEN METAL ROOF DECK TO STEEL SUPPORTING MEMBERS WITH EMP-21 L15 DECK FASTENERS BY HILL WITH A 36/4 PATTERN. STITCH CONNECTIONS ALONG SIDE LAPS SHALL BE 610 SCREWS WITH (3) SCREWS (MIN) PER SPAN.
 3. TOP OF STEEL FRAMING (UNDERSIDE OF BECK) ELEVATION IS AS NOTED ON THE PLAN.
 4. REFER TO DRAWING S01 FOR GENERAL NOTES, ABBREVIATIONS & STANDARD SYMBOLS.
 5. COORDINATE ALL ROOF OPENINGS WITH ARCHITECTURAL DRAWINGS.
 6. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF CONSTRUCTION DETAILS.



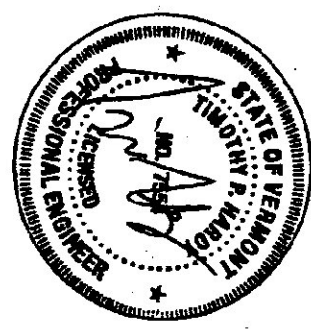
STATE OF VERMONT
READSBORO HIGHWAY GARAGE PROJECT
READSBORO, VERMONT

STRUCTURAL SECTIONS AND DETAILS

Hallam Engineering
A Division of Hallam Associates, Inc.
60 Farrell St., Suite 300
So. Burlington, Vermont 05403
(802) 655-4281

**The Design Studio of
LineSync Architecture**
14 Castle Hill Wilmington Vermont 05363 9745 USA
v.802.464.2526 / fx.24-28 www.LineSync.com

No.	DATE	REVISION
0	10/12/01	ISSUED FOR CONSTRUCTION
1	2/4/02	INCORPORATED OWNER COMMENTS



S2.2

[illegible]

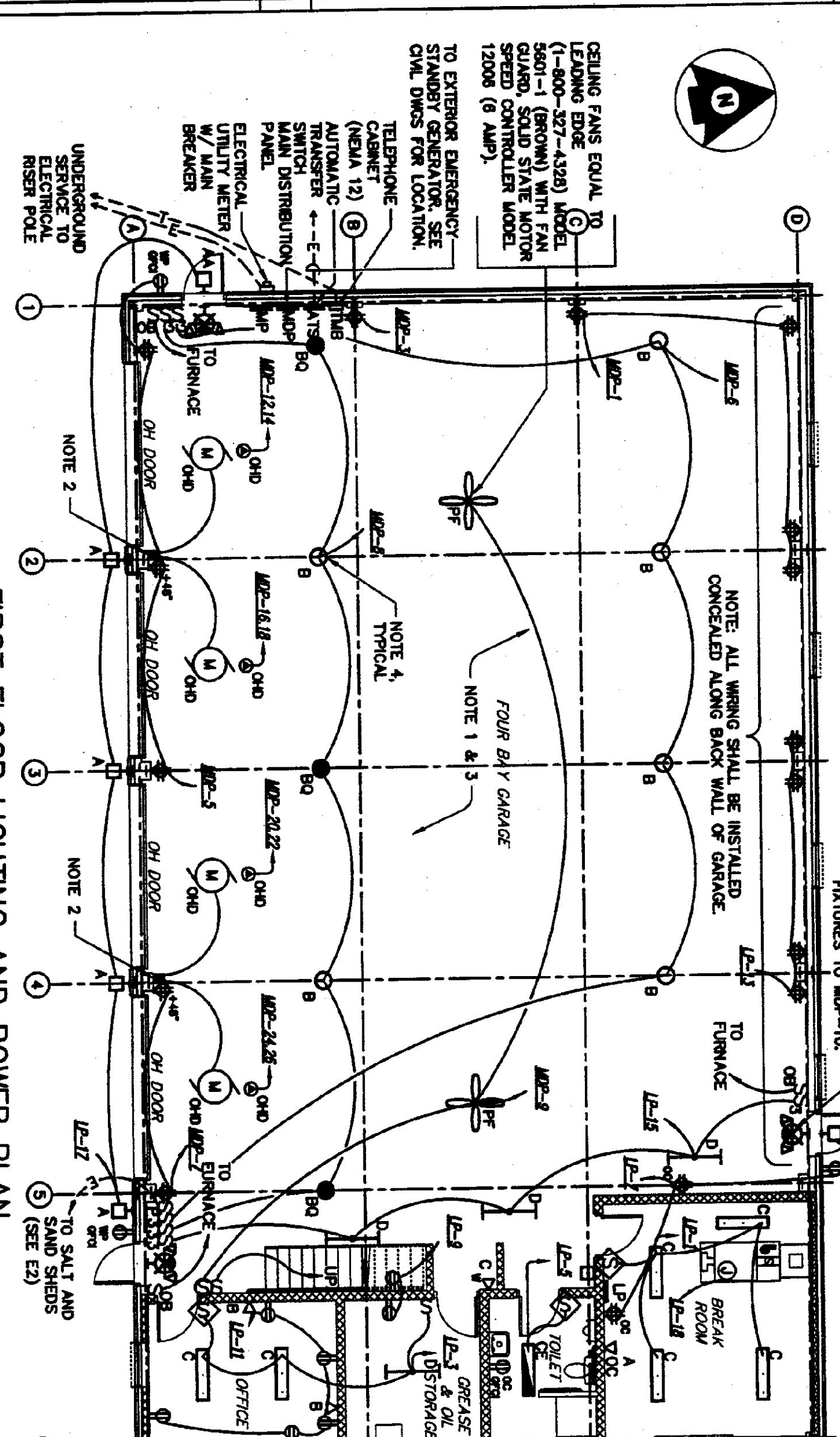
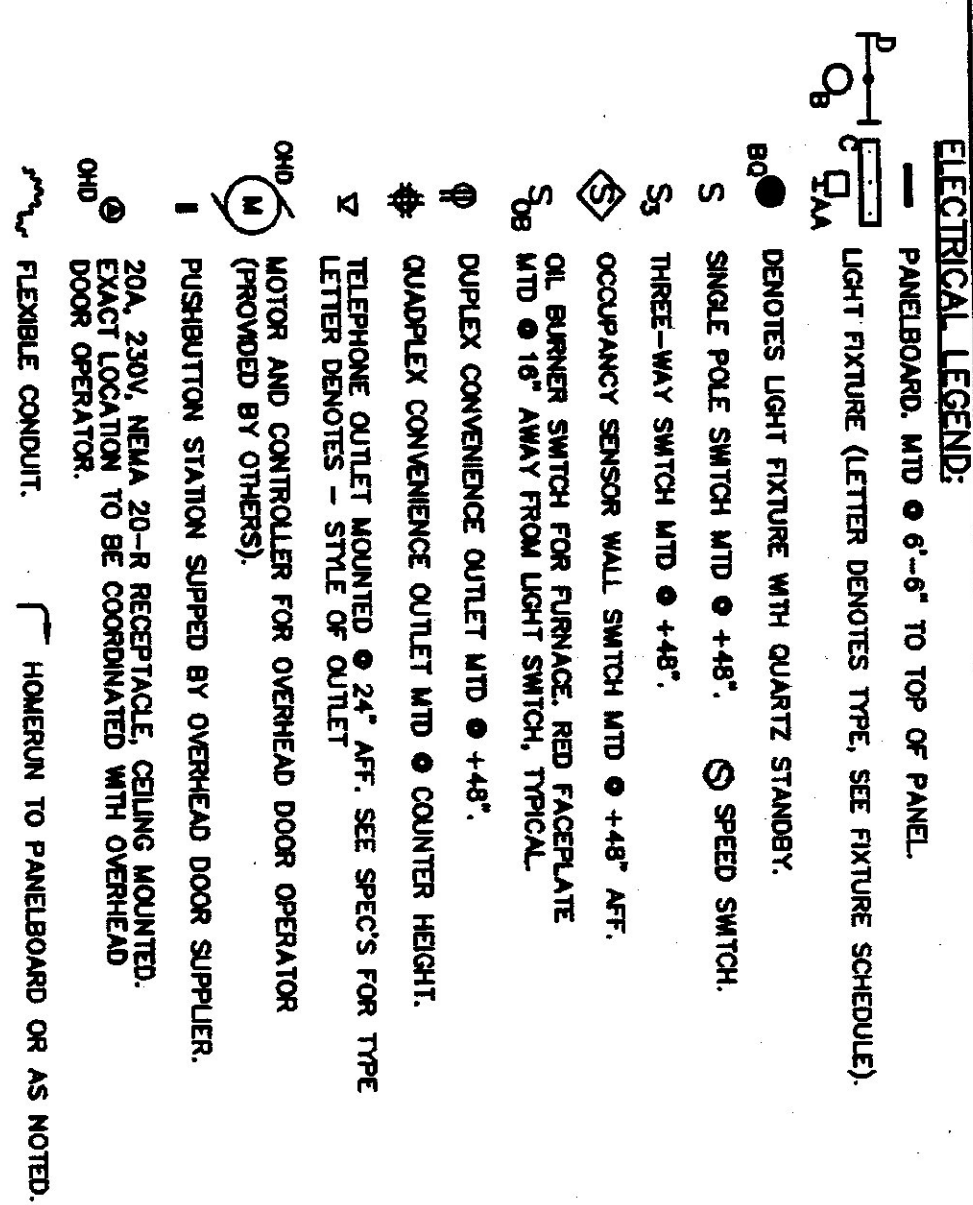
BUS 100A

PANEL NO. MDP

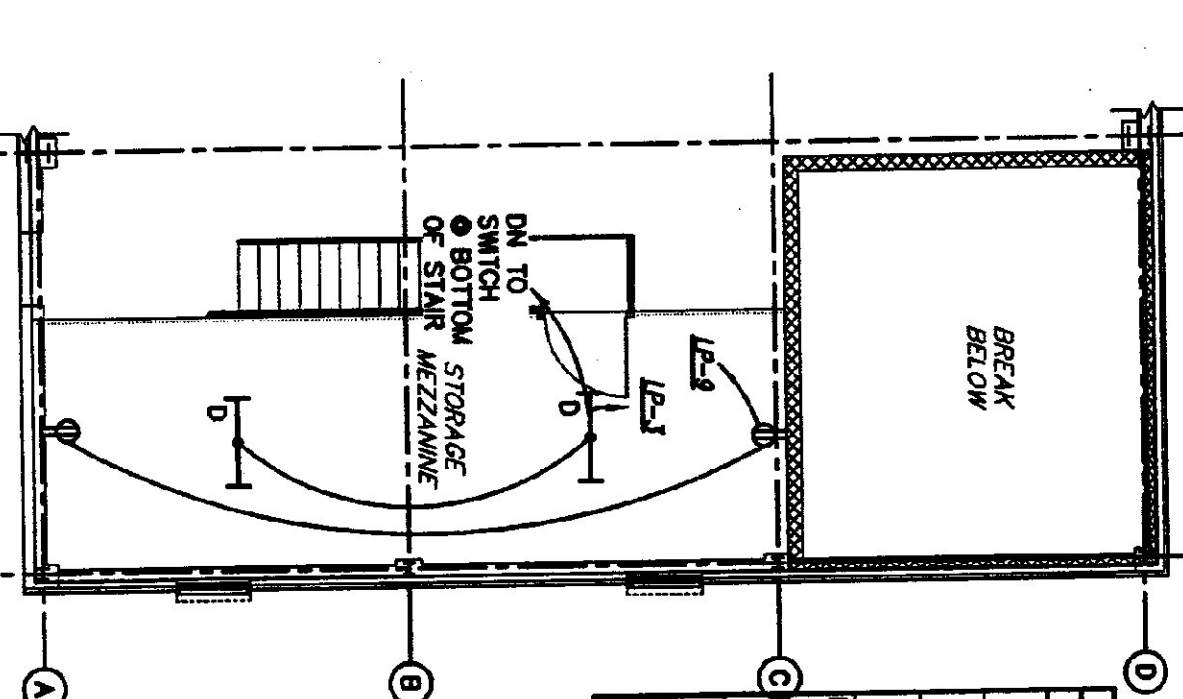
LOADING SQUARE WALL
LOADING SQUARE WALL
DRAWING NO. E1

PANEL RATING 100A
PANEL TYPE 2 TYPE
PANEL LOCATION 1 PLASTER, 3 WIRE
SERVICE

MEMBER	SECTION	DESCRIPTION	VA, CR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100		
241.1/1.50	CONC	RECP - OUTSIDE	1440	1	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
241.1/1.50	CONC	RECP - OUTSIDE	1440	1	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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241.1/1.50	CONC	RECP - OUTSIDE	1440	1	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
241.1/1.50	CONC	RECP - OUTSIDE	1440	1	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
241.1/1.50	CONC	RECP - OUTSIDE	1440	1	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
241.1/1.50	CONC	RECP - OUTSIDE	1440	1	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
241.1/1.50	CONC	RECP - OUTSIDE	1440	1	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
241.1/1.50	CONC	RECP - OUTSIDE	1440	1	20	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21</																																																																															



LIGHTING FIXTURE SCHEDULE										SCALE: 1/8"=1'-0"
TYPE	MANUFACTURER	CATALOG NUMBER	TYPE	COLOR	HOORING	VOLUME	LUMENS	REMARKS	TOTAL	
A	QUADRO	1000T 1000HS	HPS	BROUSE	WALL	120V	101,500		170	
B	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
C	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
D	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
E	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
F	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
G	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
H	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
I	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
J	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
K	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
L	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
M	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
N	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
O	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
P	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
Q	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
R	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
S	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
T	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
U	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
V	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
W	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
X	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
Y	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
Z	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AA	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AB	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AC	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AD	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AE	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AF	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AG	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AH	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AI	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AJ	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AK	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AL	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AM	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AN	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AO	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AP	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AP	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AP	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
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AP	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AP	GENERAL	1000T 1000HS	HPS	BROUSE	WALL	120V	100,500		170	
AP	GENERAL	1000T 10								



MECHANICAL EQUIPMENT - ELECTRICAL REQUIREMENTS SCHEDULE			
EQUIPMENT	DESCRIPTION	ELECTRICAL EQUIPMENT	FEEDER
B-1	BOLLER 1 120V, 4A, 1P, 60HZ	1P, NEUA 1, 120V, 1 HP RATED SWITCH (FURNISH & INSTALLED BY DIV 16)	LP-2
P-1	1/8HP 120V, 1P, 60HZ	1P, NEUA 1, 120V, 1 HP RATED SWITCH (FURNISH & INSTALLED BY DIV 16)	LP-4
P-2	1/8HP 120V, 1P, 60HZ 1/8HP 120V, 1P, 60HZ	1P, NEUA 1, 120V, 1 HP RATED SWITCH (FURNISH & INSTALLED BY DIV 16)	LP-6
P-3, 4, 5, & 6 PUMPS	1/25HP 120V, 1P, 60HZ 1/25HP 120V, 1P, 60HZ	1P, NEUA 1, 120V, 1 HP RATED SWITCH (FURNISH & INSTALLED BY DIV 16)	LP-8 & 10
P-7	1/25HP 120V, 1P, 60HZ	1P, NEUA 1, 120V, 1 HP RATED SWITCH (FURNISH & INSTALLED BY DIV 16)	LP-12
P-1	1/100HP 120V, 1P, 60HZ	1P, NEUA 1, 120V, 1 HP RATED SWITCH (FURNISH & INSTALLED BY DIV 16)	LP-14
P-2	1/4HP 120V, 1P, 60HZ	1P, NEUA 1, 120V, 1 HP RATED SWITCH (FURNISH & INSTALLED BY DIV 16)	LP-16

NOTES REGARDING TO MECHANICAL EQUIPMENT:

1. PROVIDE PROPERLY SIZED FUSES (NATCH EQUIPMENT SPECIFICATIONS) TOP FOR EACH DISCONNECT MECHANICAL DRAWINGS FOR EXACT MECHANICAL EQUIPMENT LOCATIONS.
2. ALL MECHANICAL EQUIP. SHALL HAVE MOTOR TYPE B CONTROL WIRING FOR MECHANICAL FURNISH AND INSTALLED BY DIV. 15.
3. ELECTRICAL EQUIPMENT CONTROLS FURNISHED BY DIV. 16.

PANEL NO. _____ MP _____										LOCATION STAIRS WALL	
BIS 2254										DRAWING No. E1	
PANEL VOLUME 22 TON										DATE	
SAPPLY VOLUME 2200/200											
SERVICE 1 TON/HR. 3 WIRE											
WIRING										WIRING	
WIRE										COND	
COND										COND	
VOLUME AIR COMPRESSOR										VOLUME AIR COMPRESSOR	
SPARE										SPARE	
SPARE										SPARE	
SPARE										SPARE	
SPARE										SPARE	
TOTAL 1										TOTAL 1	
TOTAL 1 + 2										TOTAL 1 + 2	
CORN. LOAD TOTAL										CORN. LOAD TOTAL	
114										114	

PANEL NO. _____ MP _____										LOCATION STAIRS WALL	
BIS 2254										DRAWING No. E1	
PANEL VOLUME 22 TON										DATE	
SAPPLY VOLUME 2200/200											
SERVICE 1 TON/HR. 3 WIRE											
WIRING										WIRING	
WIRE										COND	
COND										COND	
VOLUME AIR COMPRESSOR										VOLUME AIR COMPRESSOR	
SPARE										SPARE	
SPARE										SPARE	
SPARE										SPARE	
SPARE										SPARE	
TOTAL 1										TOTAL 1	
TOTAL 1 + 2										TOTAL 1 + 2	
CORN. LOAD TOTAL										CORN. LOAD TOTAL	
114										114	

PANEL NO. _____ MP _____										LOCATION STAIRS WALL	
BIS 2254										DRAWING No. E1	
PANEL VOLUME 22 TON										DATE	
SAPPLY VOLUME 2200/200											
SERVICE 1 TON/HR. 3 WIRE											
WIRING										WIRING	
WIRE										COND	
COND										COND	
VOLUME AIR COMPRESSOR										VOLUME AIR COMPRESSOR	
SPARE										SPARE	
SPARE										SPARE	
SPARE										SPARE	
SPARE										SPARE	
TOTAL 1										TOTAL 1	
TOTAL 1 + 2										TOTAL 1 + 2	
CORN. LOAD TOTAL										CORN. LOAD TOTAL	
114										114	

**GARAGE STORAGE MEZZANINE
LIGHTING AND POWER PLAN**

1. RUN THE CONDUITS EXPOSED EXCEPT BEAR WALL OF BUILDING. EXPOSED CONDUITS TO BE UNDERGROUND CONDUITS AND SHALL BE ALLOWED EXCEPT SERVICE ENTRANCE CONDUITS AND GENERATOR CONDUITS ON EXTERIOR OF THE BUILDING.

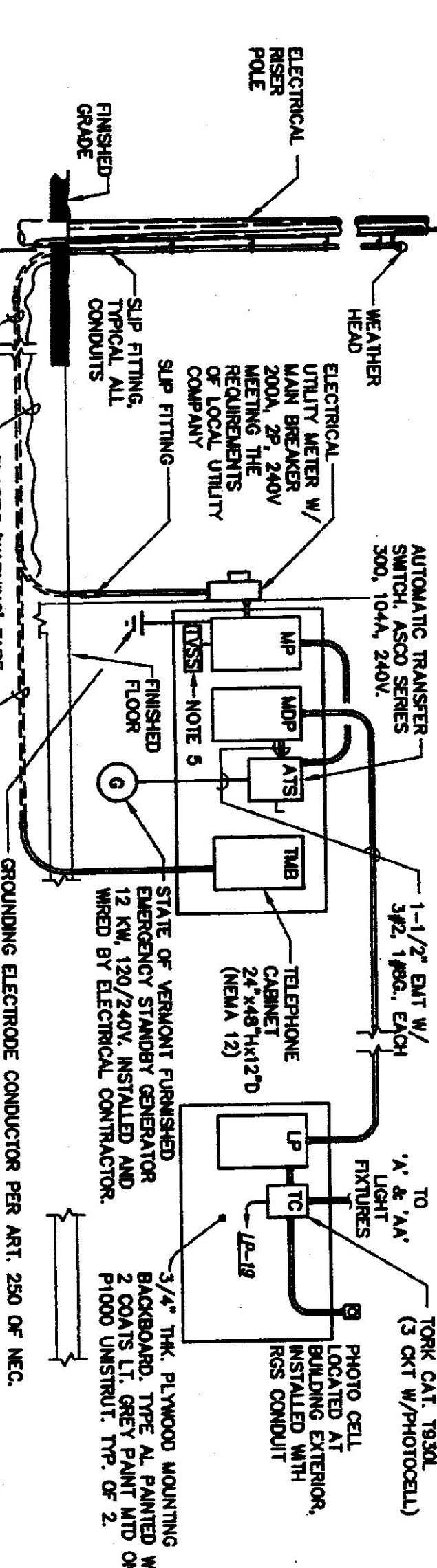
2. REMOVE CONDUIT, WIRING AND INSTALLATION FOR OVERHEAD CONDUITS, CONDUITS, OPERATORS AND CONTROLS AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS, INCLUDING CONDUIT AND WIRING FOR EDGE SENSORS THROUGH EACH DOOR.

3. ALL ELECTRICAL WIRING SHALL BE INSTALLED ABOVE 24" AFG. CONDUITS SHALL BE INSTALLED ABOVE 18" AFG IS CONSIDERED A CLASS 1 LOCATION BY NEC.

4. MOUNT LIGHT FIXTURES TO COORDINATE WITH OVERHEAD DOORS.
5. SURGE SUPPRESSOR EQUAL TO APT TYPE TE/1HP/SC FOR 120/240V SYSTEM.

ABBREVIATIONS

AFT - ABOVE FINISHED FLOOR
 AFG - ABOVE FINISHED GRADE
 EB - EMERGENCY BATTERY PACK
 EAT - ELECTRICAL METALLIC TUBING
 GCM - GROUND CABLE METHOD INTERCEPT
 HPS - HIGH PRESSURE SODIUM
 MH - MOUNTING HEIGHT
 MTG - MOUNTING
 MTR - MOTOR
 OC - OVERHEAD
 OOD - OVERHEAD DOOR
 RDS - RIGID CONDUIT
 TC - TIME CLOCK
 TMB - TELEPHONE MOUNTING BOARD



2" PVC TELEPHONE CONDUIT
ELECTRICAL RISER DIAGRAM
NO SCALE

UNDERGROUND SERVICE
2-1/2" C W/ 3/4" O AWG

NO SCALE

WEATHER ROOM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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25 OCTOBER 2001	
PLANNO DATE	
SHEET DESCRIPTION	

BID DOCUMENTS
DO NOT REVISE
January 31, 2002

DH
Dufresne-Henry
North Springfield, Vermont
Tel. (802) 886-2261 • Fax (802) 886-2260
www.dufresne-henry.com

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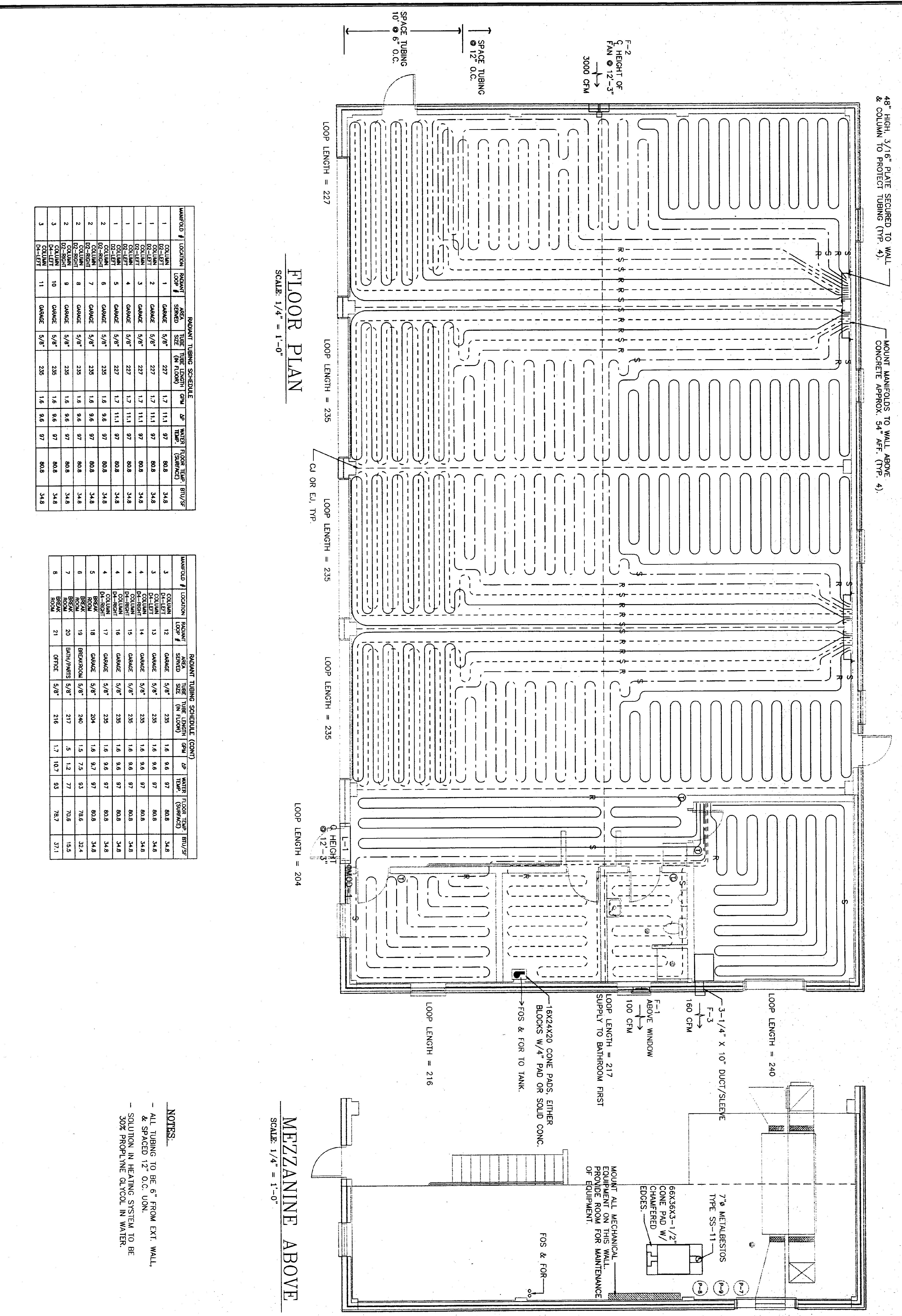
READSBORO
HIGHWAY
GARAGE PROJECT

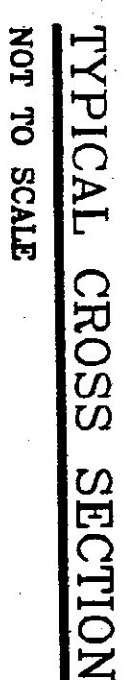
READSBORO, VERMONT

FIRST FLOOR PLAN

ARCHITECT: B

0000 PROJECT NUMBER		BAR - DE MOI 	
23 OCTOBER 2001 DRAINAGE DATE		MC SPN DRAINAGE	 OC
SHEET INFORMATION 			





NOTE:
CONTRACTOR TO TAKE SPECIAL CARE
WHEN CUTTING JOINT NOT TO DAMAGE
TUBING



CONSTRUCTION JOINT
NOT TO SCALE



1. WHEN OUTDOOR AIR FALLS BELOW 60° (A0):
 - a. BOILER IS EMBALED.
 - b. TRANSFER PUMP IS EMBALED.
 - c. CIRCULATORS C-1 AND C-2 ARE STARTED.
 - d. CIRCULATORS C-3 THROUGH C-7 ARE EMBALED.
2. OPERATING AQUASTAT ON BOILER TO MAINTAIN BOILER BETWEEN 150°F AND 170°F.
3. CIRCULATOR C-3 TO BE CONTROLLED BY A WIRESD DUOMIX CONTROLLER. CONTROLLER TO SENSE OUTSIDE AIR TEMPERATURE AND LOOP TEMPERATURE AND MODULATE INLETOR CIRCULATOR C-3 TO MAINTAIN CALCULATED LOOP SUPPLY SETPOINT. SETPOINT OFFSET AND RATIO TO BE ADJUSTABLE AT CONTROLLER. SETPOINT TO BE RESET TO OUTDOOR AIR TEMPERATURE BASED ON THE FOLLOWING SCHEDULE:

OUTSIDE AIR TEMP.	SETPOINT
-20°F	97°F
40°F	77°F

4. CIRCULATOR C-4 TO CYCLE ON AND OFF BY THERMOSTAT IN THE OFFICE TO MAINTAIN SETPOINT.
5. CIRCULATOR C-5 TO CYCLE ON AND OFF BY THERMOSTAT IN THE BATHROOM TO MAINTAIN SETPOINT.
6. CIRCULATOR C-6 TO CYCLE ON AND OFF BY THERMOSTAT IN THE BREAK ROOM TO MAINTAIN SETPOINT.
7. ADJUST IN DOMESTIC HOT WATER TANK TO CYCLE CIRCULATOR C-7 TO MAINTAIN SETPOINT.
8. FUEL OIL TRANSFER PUMP TO OPERATE WHENEVER BOILER OPERATES. EMERGENCY BOILER SHUT-OFF SWITCH TO SHUT OFF TRANSFER PUMP ALSO.
9. FAN F-1 TO COME ON WITH LIGHT SWITCH, AND OPERATE FOR 5 MINUTES AFTER LIGHT IS TURNED OFF.
10. FAN F-2 TO BE CONTROLLED BY A SPRING WOUND TIMER SWITCH. SEE ELEC. DWG. FOR DETAILS.
11. E-MOD-1 TO OPEN WHENEVER FAN F-2 OPERATES AND CLOSE WHEN F-2 STOPS.
12. FAN F-3 TO BE CONTROLLED BY SWITCH IN HOOD.



1. TUBING BENDS TO BE RADIUSD.
2. DEAMTION FROM LAYOUT SHALL BE SUBMITTED FROM TUBING MANUFACTURERS AUTHORIZED REPRESENTATIVE
3. TUBING INSTALLATION SHALL BE BY MANUFACTURERS AUTHORIZED REPRESENTATIVE.

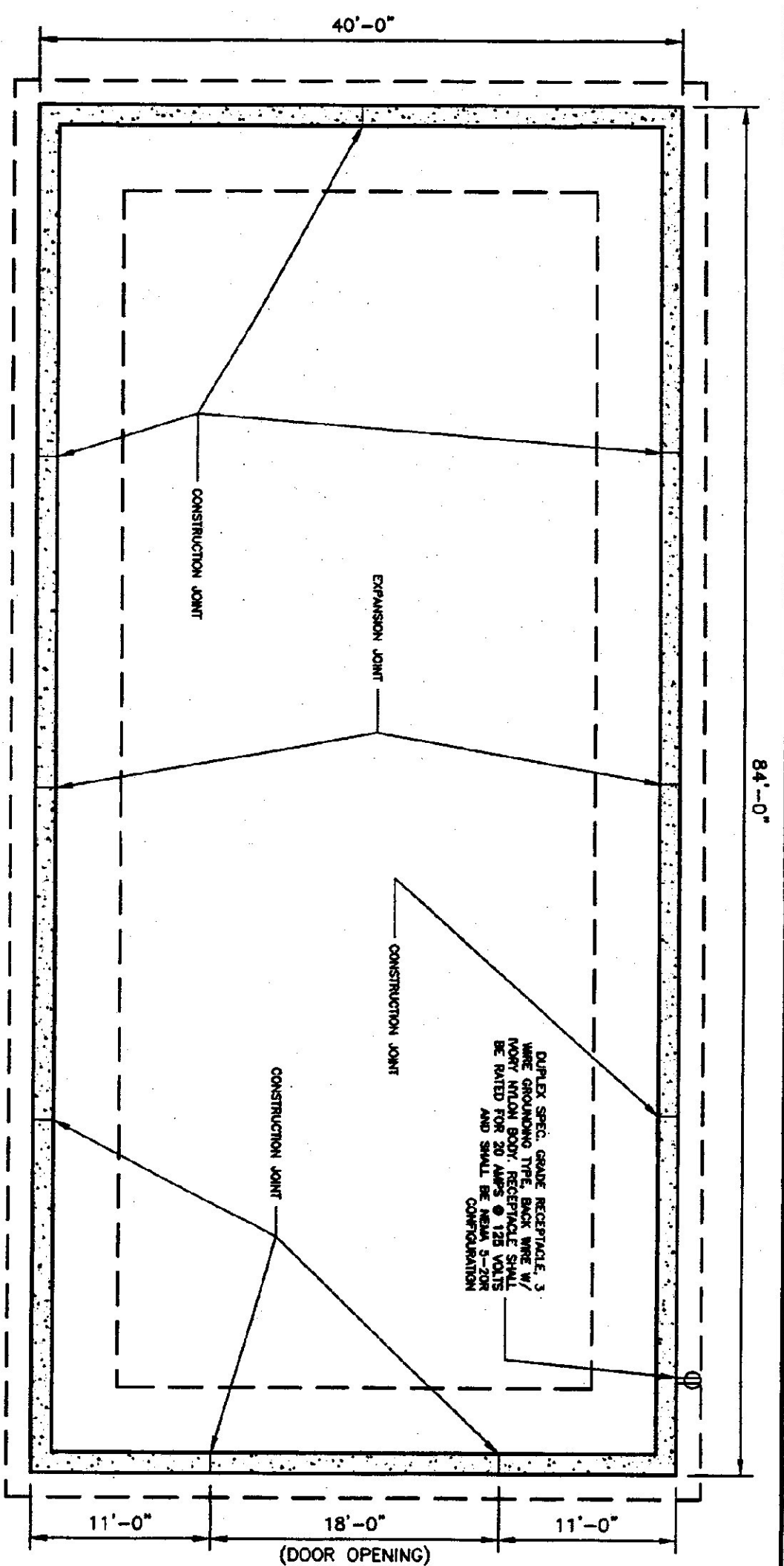
PLAN SYMBOL	DESCRIPTION	MANUF. & MODEL	CHARACTERISTICS	ELECTRIC VOLTS / # PHZ	NOTES
B-1	BOILER	BUDEFUS G315-5	30,000 BTU CAPAC. 30,000 BTU NET HEAT RATED 40 SERIES-T-8 BURNER	120/1/60 4.0 A	ELECTRIC
XT-1	EXP. TANK	AMROL SX-90V	44 GALLON TANK 34 GALLON ACCEPTANCE		
L-1	RELIEF LOWER VENT PRODUCTS	2750	36" x 36"		
MOD-1	RELIEF LOWER VENT PRODUCTS	5703	36" x 36"	120/1/60	INSTANT DIRECT COULDED ACTIVATOR SPRING WOUND M.C.
GF	GULLOCH FEEDER	LMI	36 IN. TANK ASSEY 272600 V/2X200 LITERS. SWITCH ASSEY 72417. HONEYWELL PRESSURETRIC (LADAMT) METRICUM PLUMB LAI 131-191	120/1/60	

PLAN SYMBOL	SYSTEM	MANUF. & MODEL	G.P.M.	FEET HEAD	H.P.	ELECTRICAL	R.P.M.	NOTES
C-1	MAIN	TACO 0014	25	6.0	1/9	120/1/60 1.8 A	3250	
C-2	GARAGE ZONE	TACO 0013	30	12.0	1/8	120/1/60 2.0 A	3250	
C-3	GARAGE INJECTION	TACO 005	44	3.5	1/35	120/1/60 .53 A	3250	
C-4	OFFICE ZONE	TACO 005	1.1	7.3	1/35	120/1/60 .53 A	3250	
C-5	PARTS/BATHROOM ZONE	TACO 005	0.5	1.2	1/35	120/1/60 .53 A	3250	
C-6	BREAK ROOM	TACO 005	1.1	7.3	1/35	120/1/60 .53 A	3250	
C-7	DOMESTIC HOT WATER	TACO 009	6.0	16.0	1/15	120/1/60 .53 A	3250	
C-8								ALTERNATE ITEM SEE SH V-1

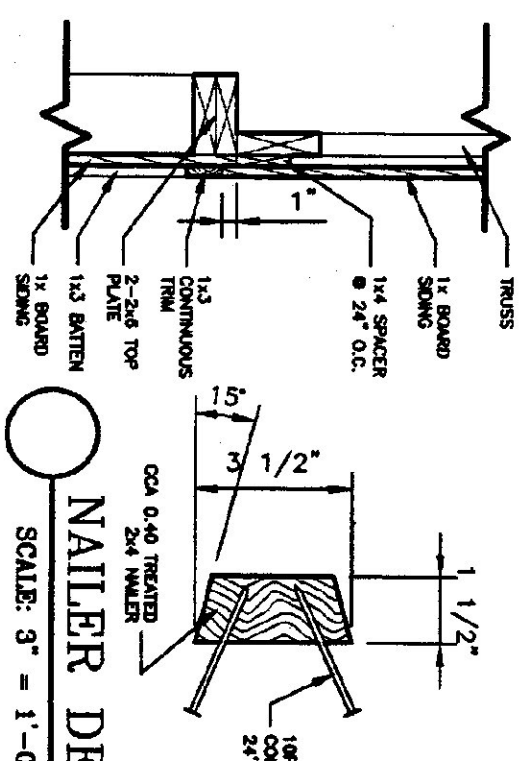
PLAN SYMBOL	SYSTEM	MANUF. MODEL & TYPE	C.F.M.	S.P. IN.	SONES	FAN RPM	HP.	ELECTRICAL	NOTES
F-1	BATHROOM	GREENHECK SET-B-440-E	100	.125	2.2	1050	1/100	120/1/50	W/WEATHER HOOD, SCREEN & LID W/ BRASS GREEN
F-2	KITCHEN VENT	GREENHECK SRS-1120-4	3000	.125	11.8	7640	1/4	120/1/50	W/WEATHER HOOD, SCREEN & BID
F-3	RANGE HOOD	NU-TONE RL6100	160	.12			1/8	120/1/50	30" WIDTH W/ EXHAUST WALL CAP



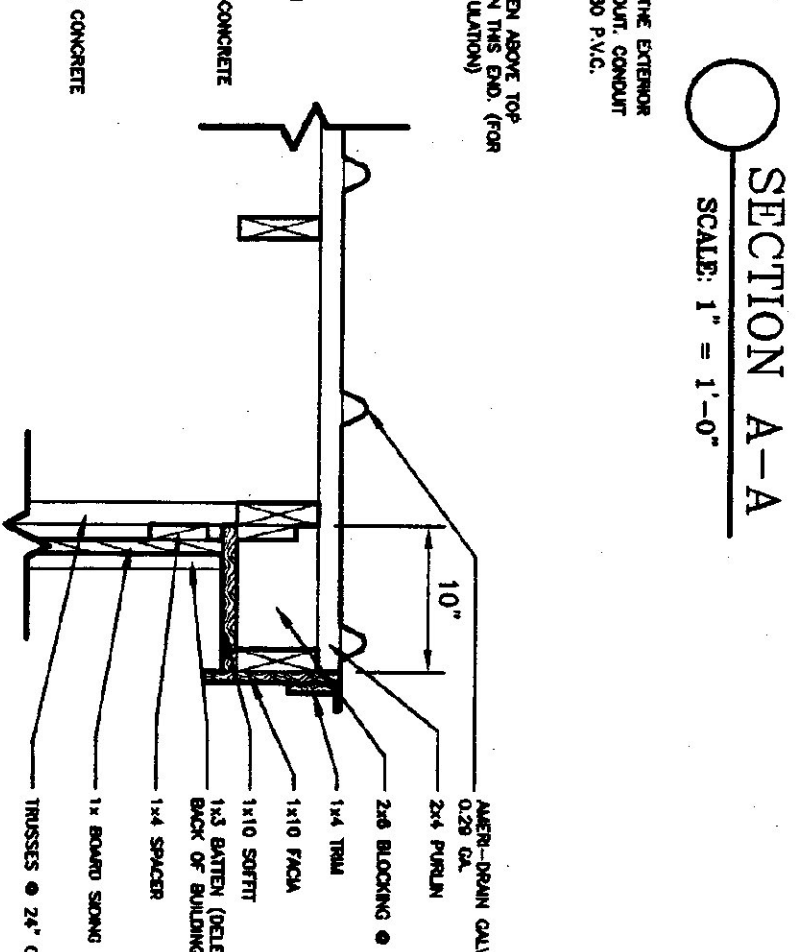
SCALE: AS NOTED
DATE: AUGUST 2001
DRAWN BY: N. HERSEY
APPR. BY: SOUTHWORTH



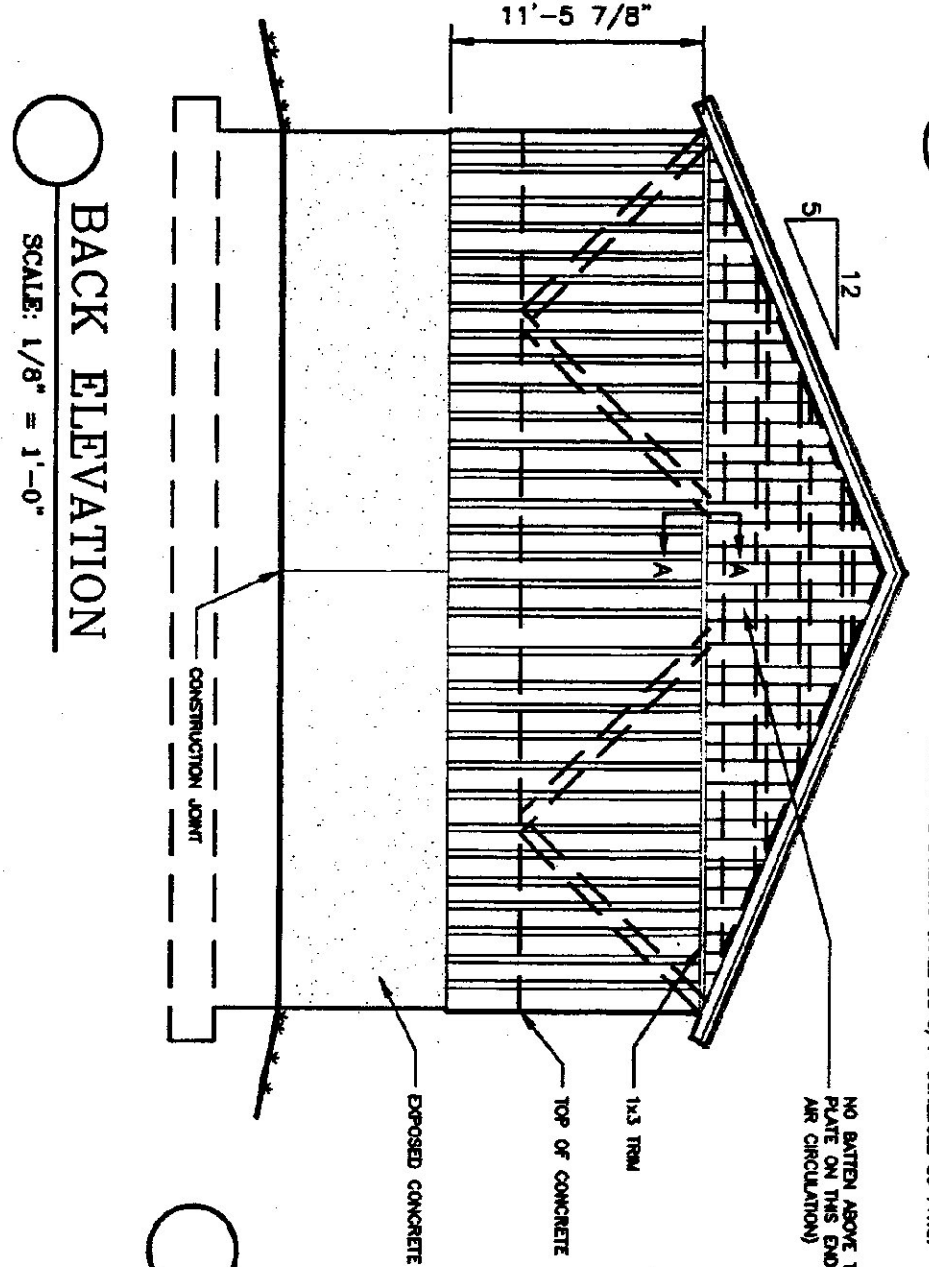
FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



NAILER DETAIL

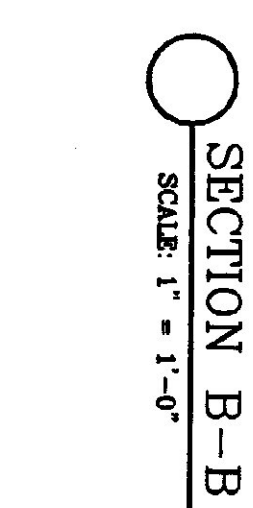


SECTION A-A
SCALE: 1" = 1'-0"

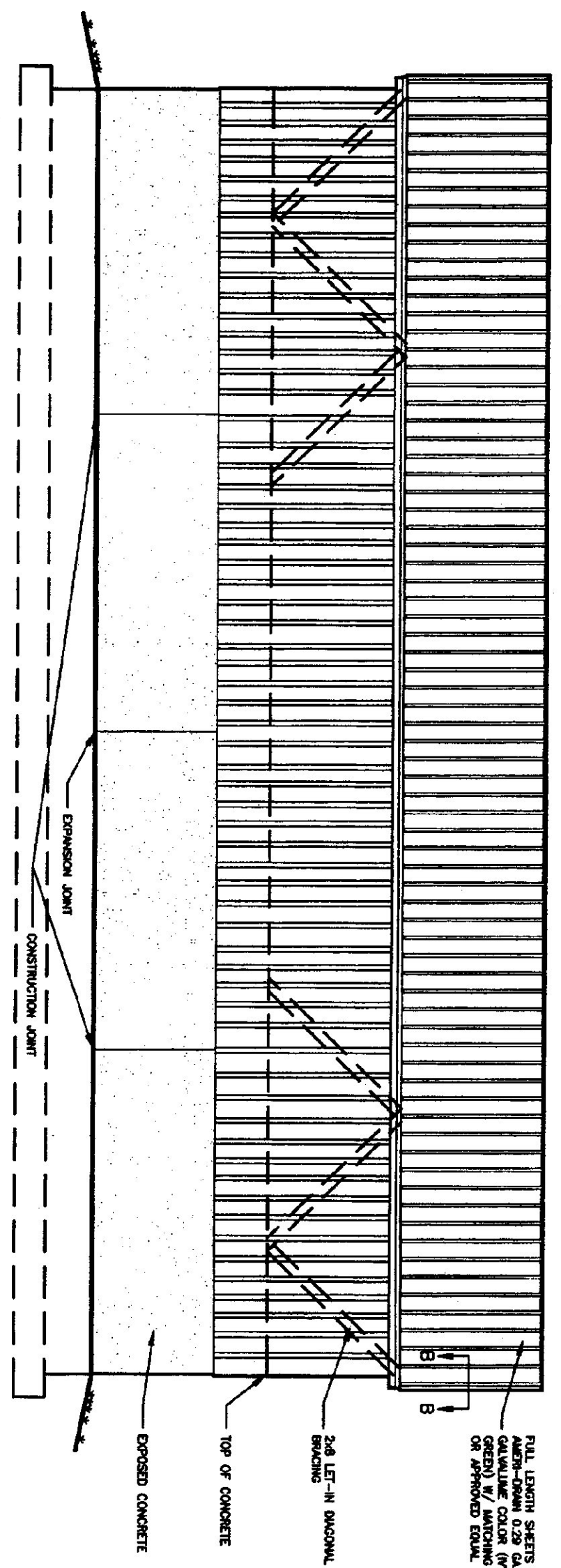


FRONT ELEVATION

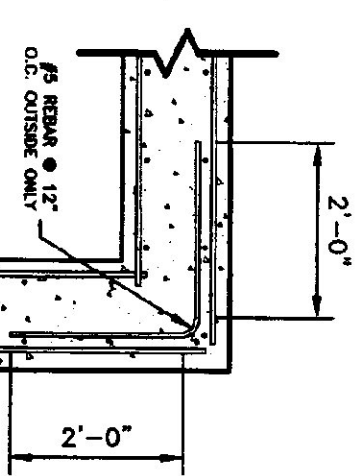
SCALE: 1/8" = 1'-0"



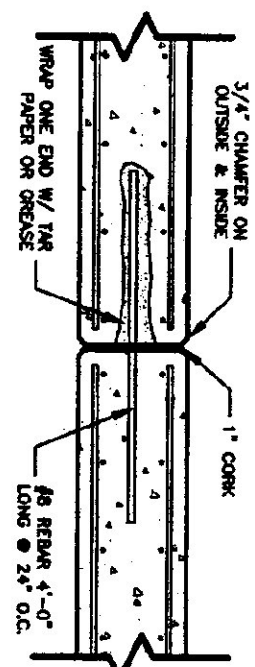
BACK ELEVATION



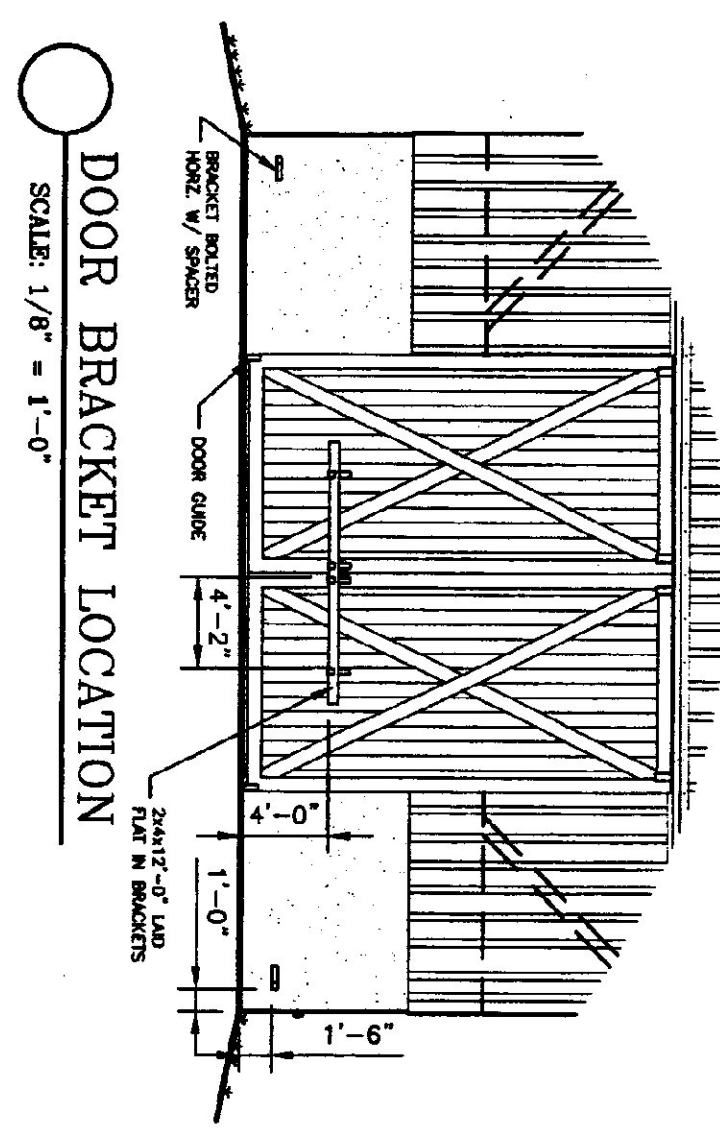
SIDE ELEVATION



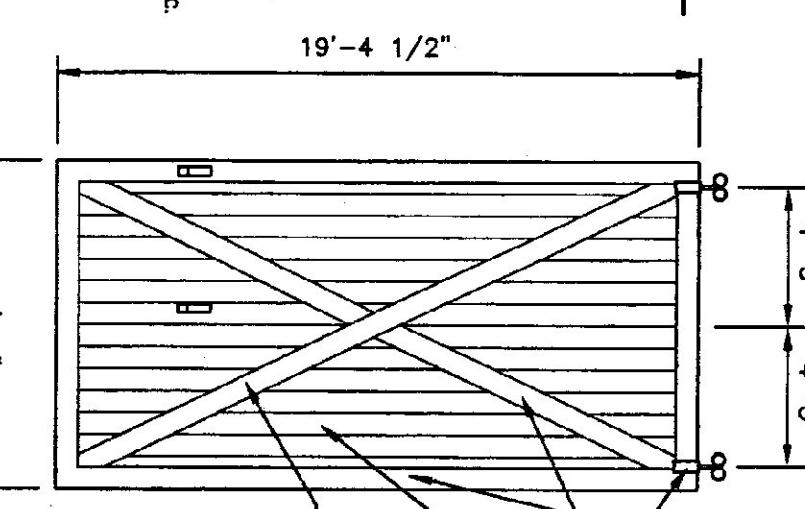
CORNER DETAIL



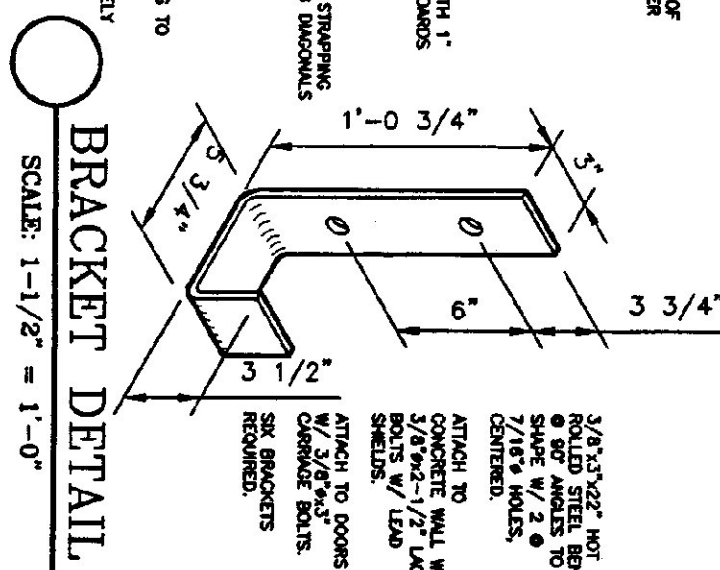
EXPANSION JOINT DETAIL.



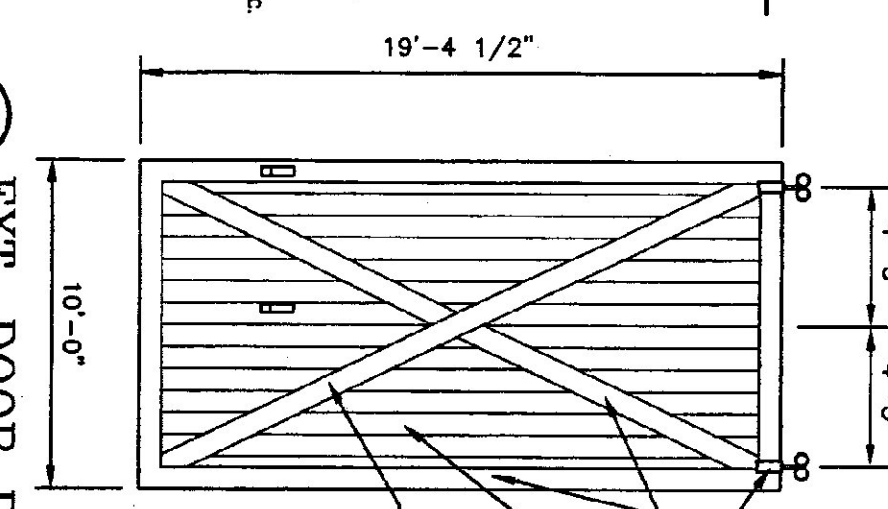
DOOR BRACKET LOCATION



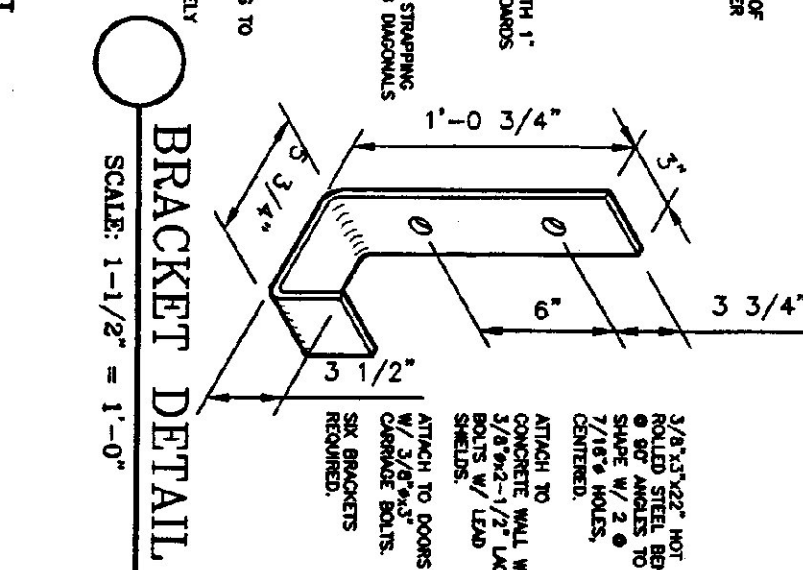
SCALE: 3/16" = 1'-0"



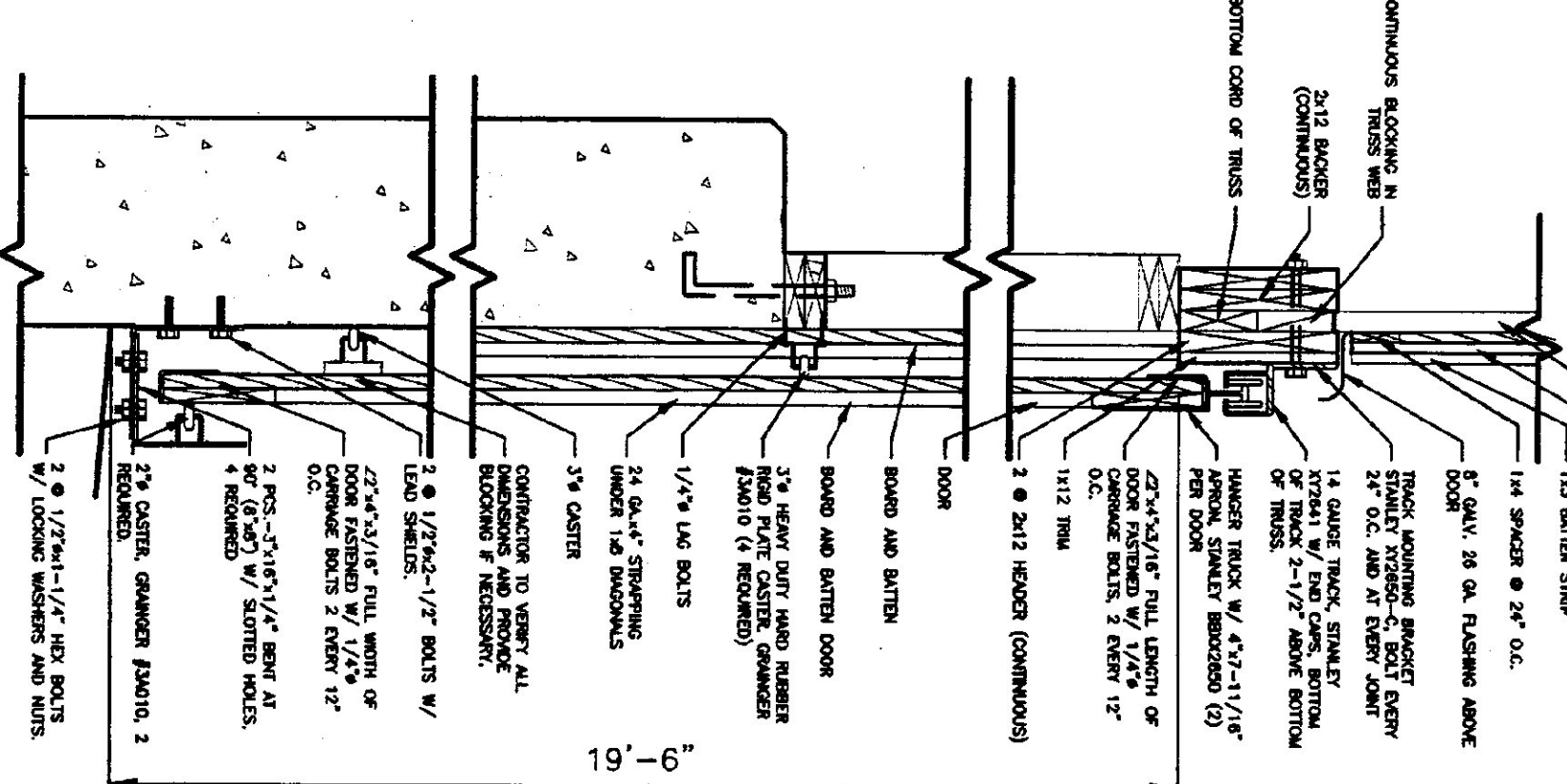
DIVINE DETAIL
SCALE: 1-1/2" = 1'-0"



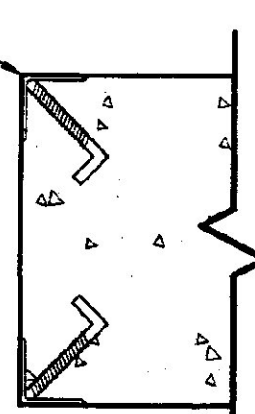
SCALE: 3/16" = 1'-0"



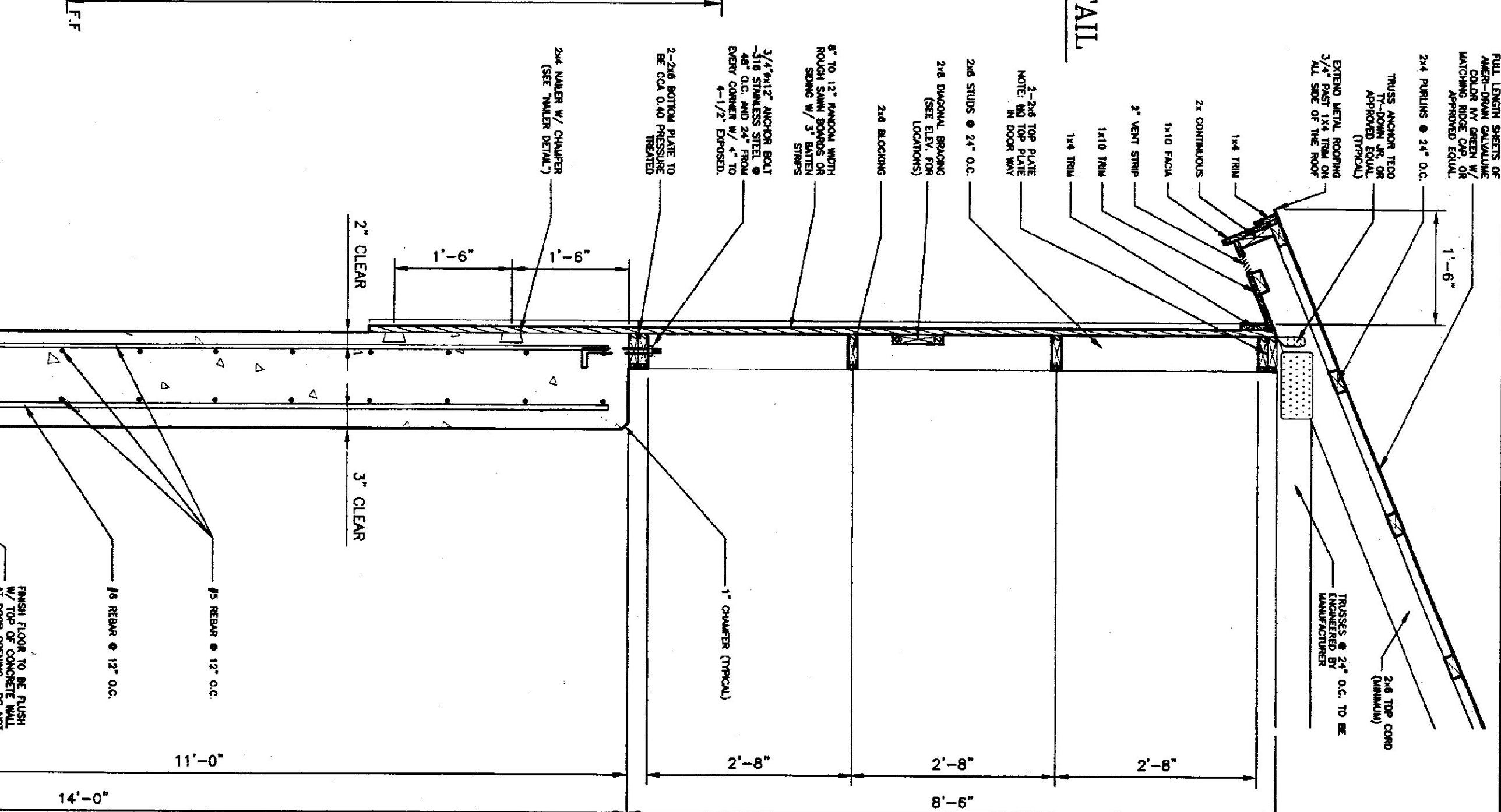
DIVINE DETAIL
SCALE: 1-1/2" = 1'-0"



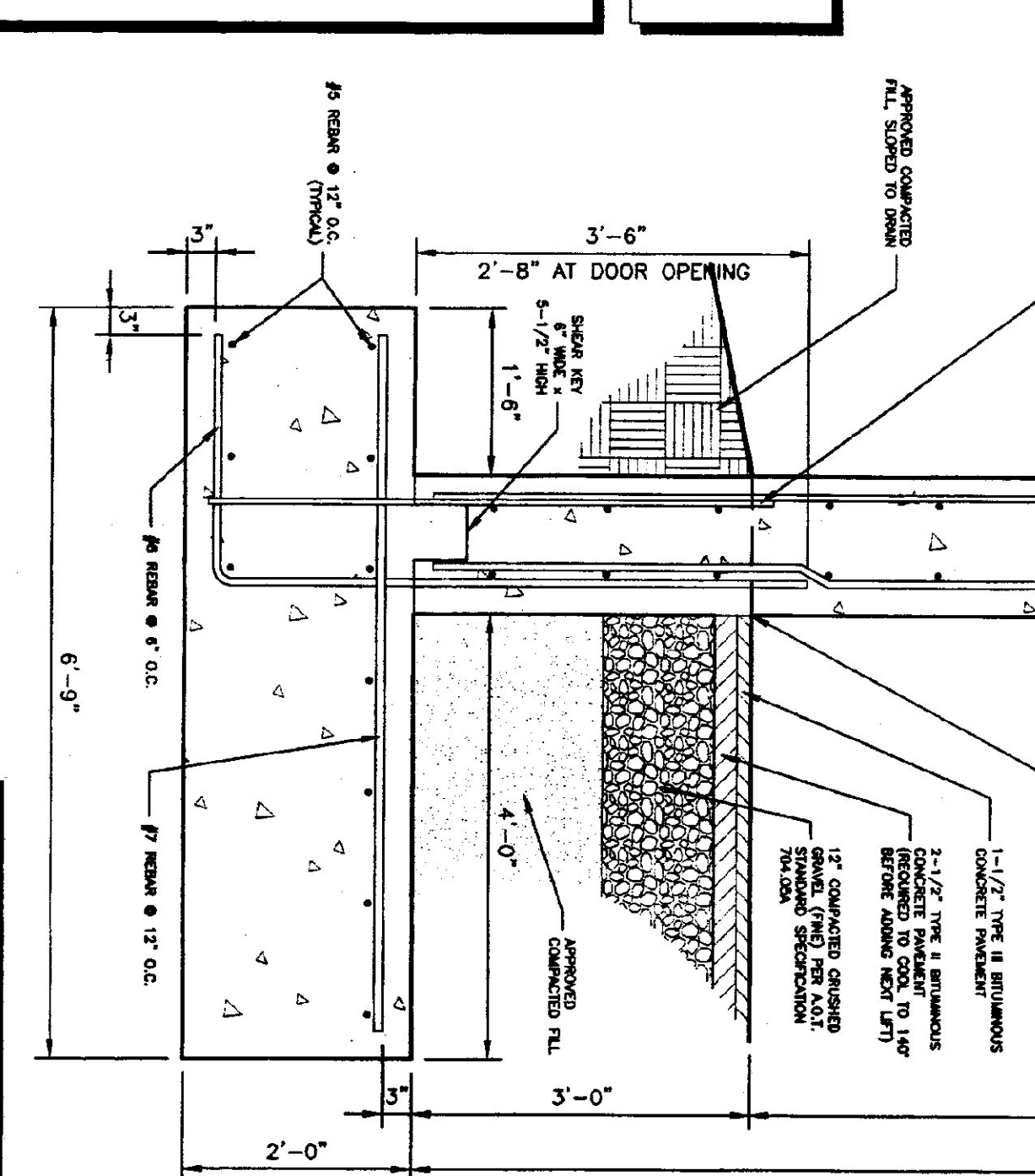
CORNER GUARD DETAIL



CORNER GUARD DETAIL



WALL SECTION (TYP.)



WALL SECTION (TYP.)

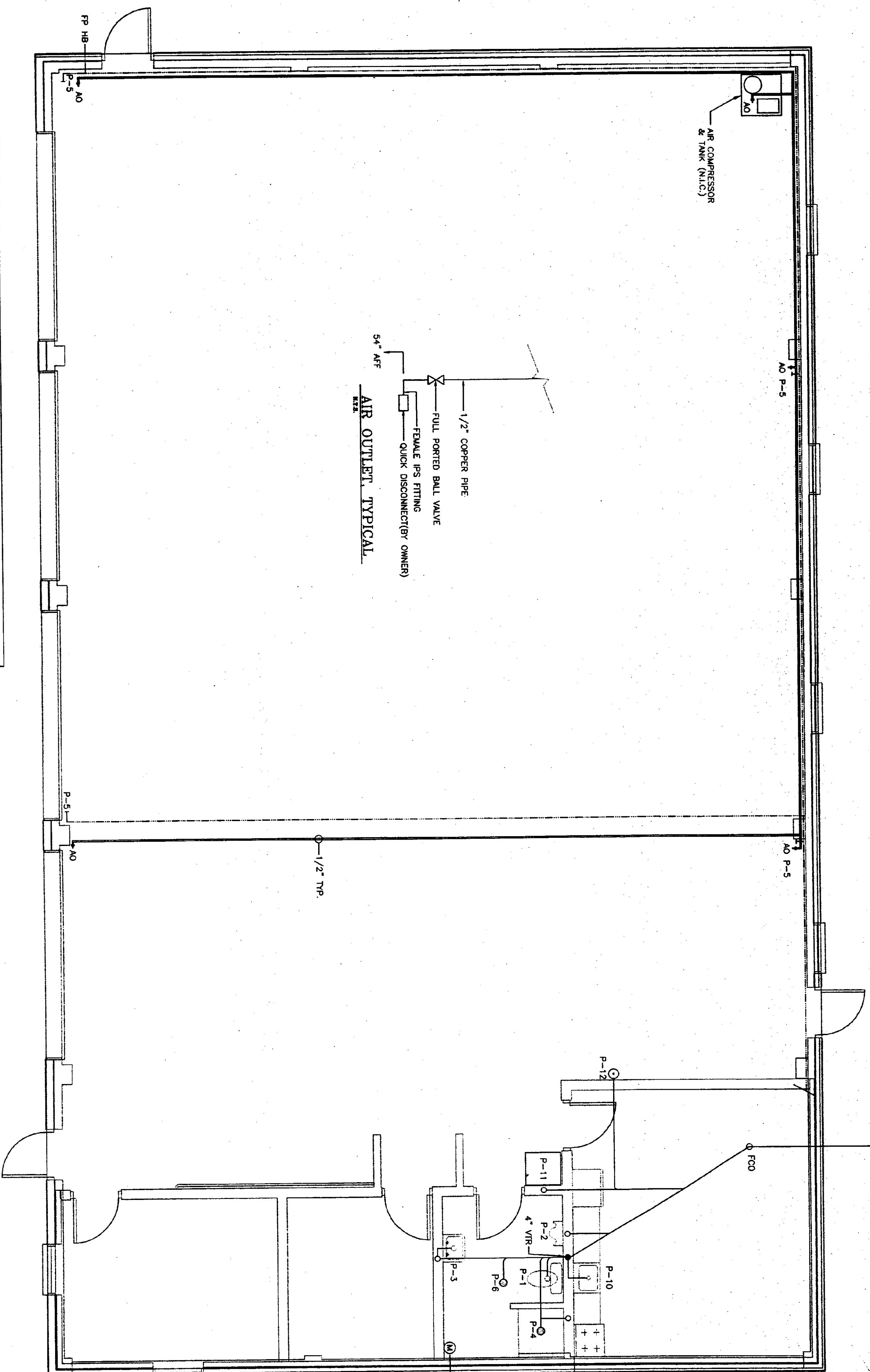
[illegible]

AGENCY OF TRANSPORTATION
READSBORO MAINTENANCE FACILITY
40' x 84' SALT/SAND SHED

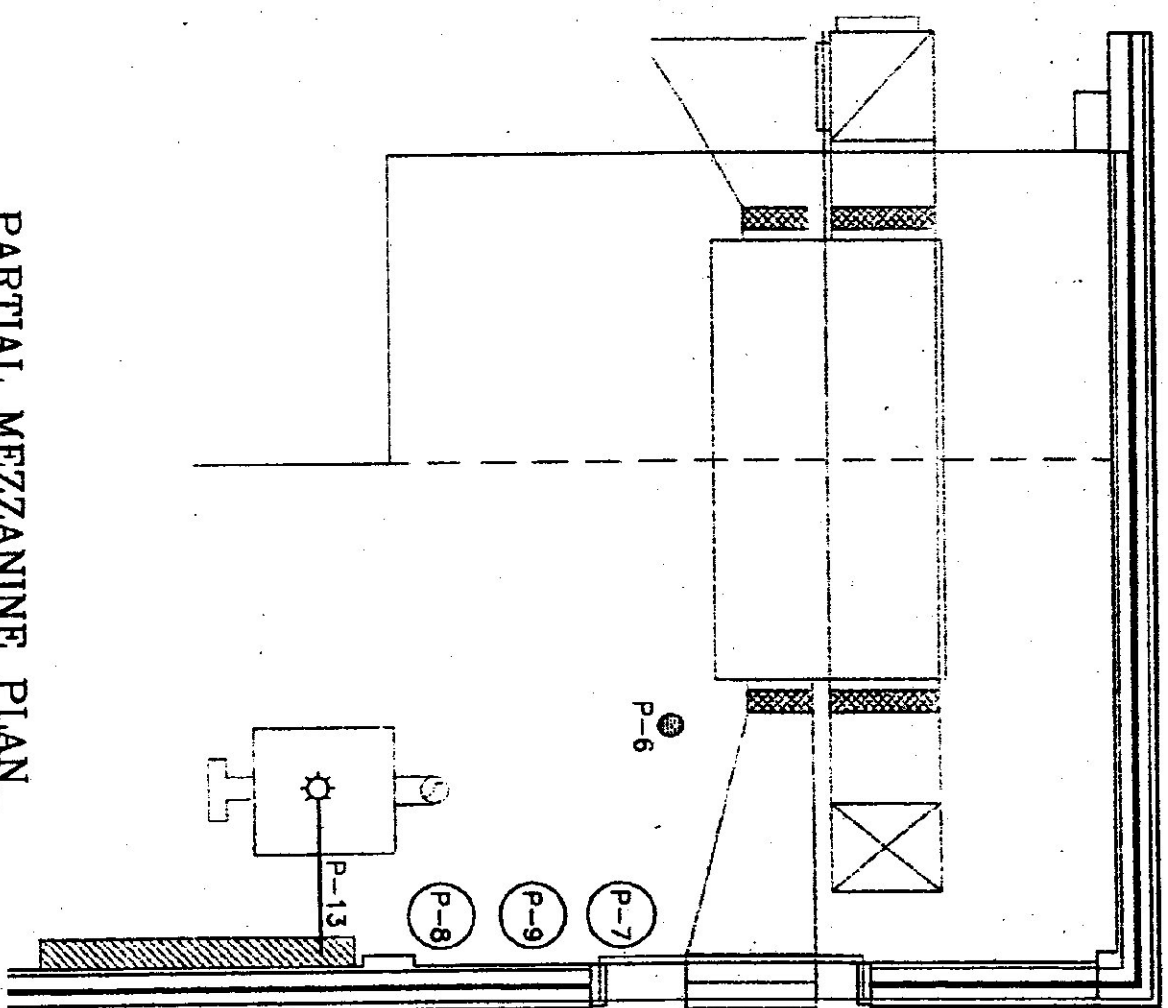


STATE OF VERMONT
Department of Buildings
and General Services
Agency of Administration
Montpelier, Vermont

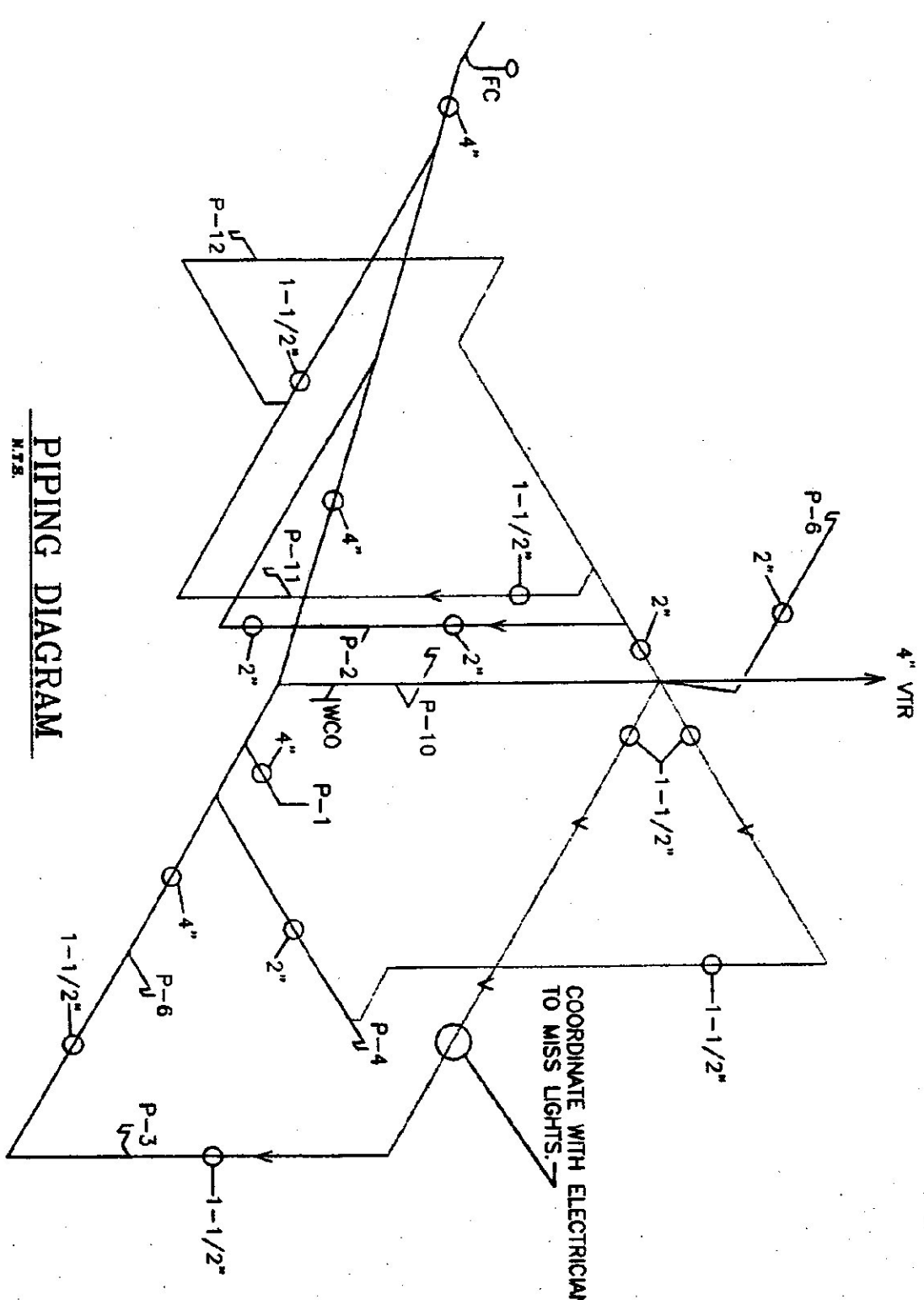




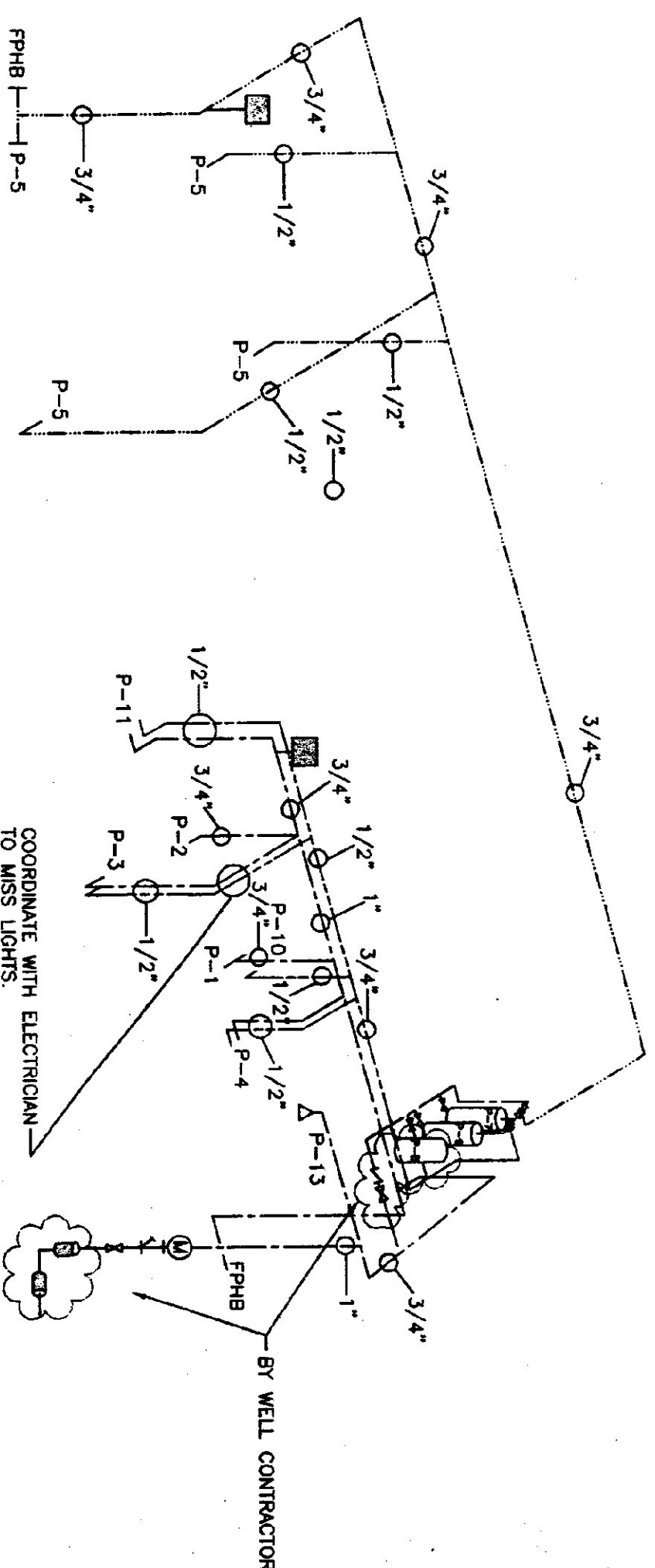
SEE SH C-1 FOR CONTINUATION



PARTIAL MEZZANINE PLAN



PIPING DIAGRAM



WATER PIPING DIAGRAM

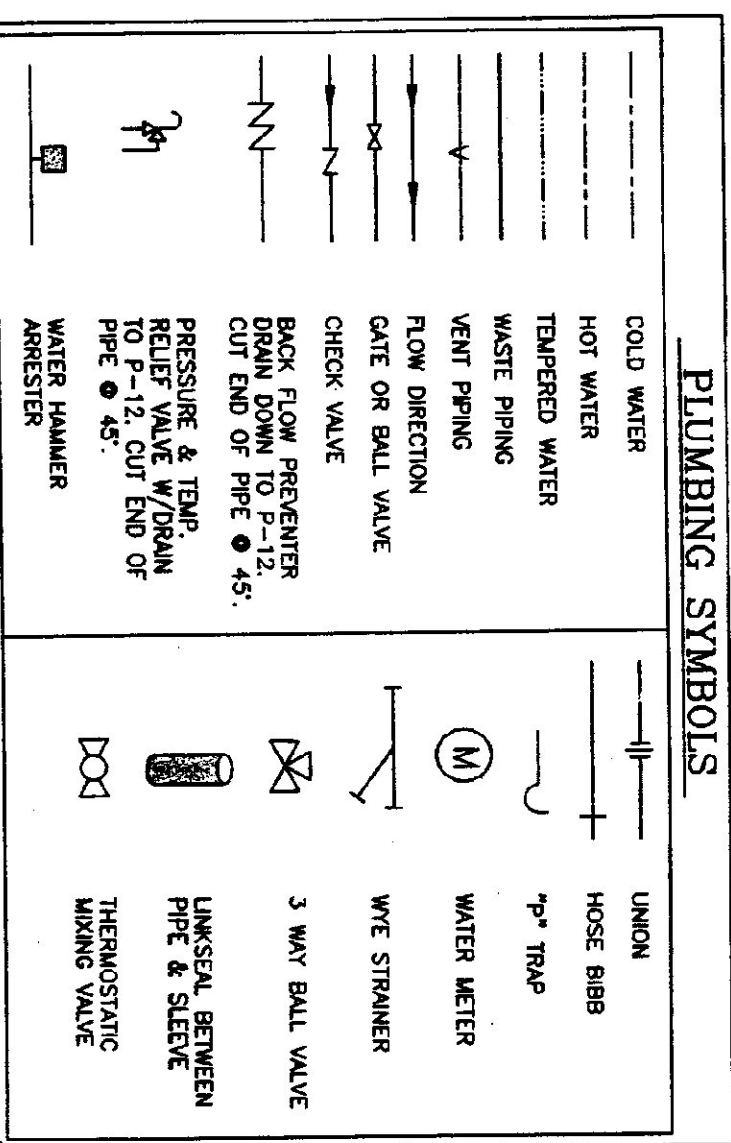
NOTE: ALL PIPING IS EXPOSED, NOT IN SLAB

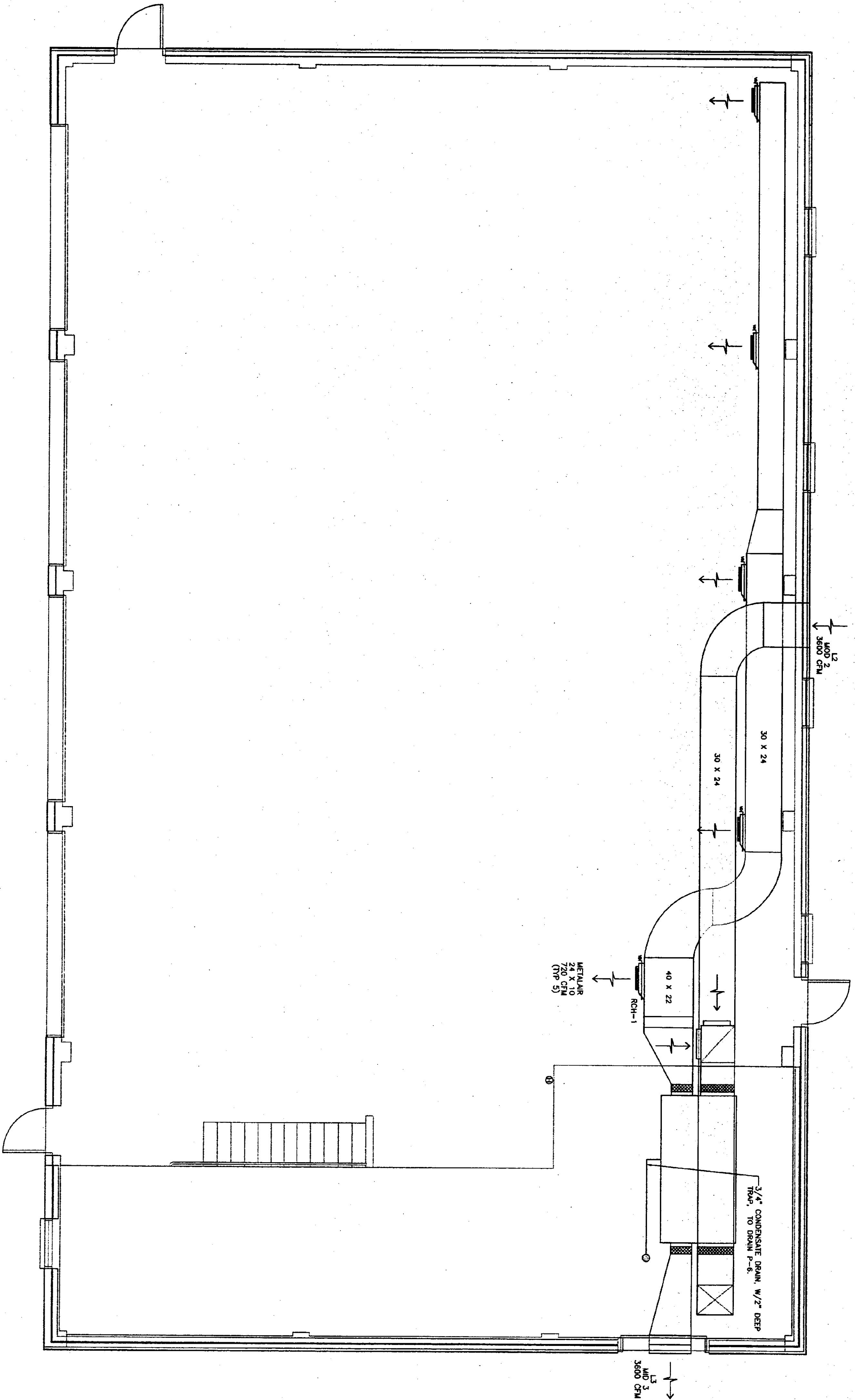
FIXTURE SCHEDULE									
QBL	FIXTURE	DESCRIPTION	NOTES	DWN	VENT	COLD	HOT		
P-1	TOILET	AMERICAN STANDARD "TODAY" # 2188, 100 WHITE VITREOUS CHINA, HANDICAP, FLOOR MOUNT, TANK TYPE, PRESSURE ASSISTED, ELONGATED, WATERSHOWER, SPRING AID ACTION CLOSE COUPLED, 18" HIGH SEAT TO BE ELONGATED, OPEN FRONT WITH LEFT DASH, FRONTAL SUPPLY STOP.	4"	4"	1/2"	-	-		
P-2	URINAL	AMERICAN STANDARD "WASHBROCK" # 850 010, 3/4" TOP SPRAY, WHITE VITREOUS CHINA, WALL HUNG, WASH OUT URINAL, WITH SLOAN RIVAL, 18" FLUSH VALVE & COMBINATION CARRIER.	2"	2"	3/4"	-	-		
P-3	WASHROOM	AMERICAN STANDARD "TECUM" # 0237 026 WALL HUNG, WHITE VITREOUS CHINA, SINGLE LEVER CONTROL, W/POP UP DRAIN & P-TYPE AMERICAN STANDARD #2 MODEL # 2385.000.	1/2"	1/2"	1/2"	1/2"	1/2"		
P-4	SHOWER	PREPARED, 36" x 36" JUBASTILL MODEL #114, WHITE FITTINGS, CHROME, SINGLE LEVER CONTROL, PRESSURE BALANCED WITH SCREWDRIVER STOP, AMERICAN STANDARD, THERMOSTAT # 1485 S01. PROVIDE A CHROME SHOWER AND P-TYPE.	2"	1-1/2"	1/2"	1/2"	1/2"		
P-5	HOSE BIBB	WANTS SP-1 - W/SCB-1 VOLUM BREAKER	MOUNT @ 54" A.F.F.	-	-	-	1/2"		
P-6	FLOOR DRAIN	SCUTTED ROUND COVER DRAIN SHALL RECOVER THROUGH A P-TYPE DRAIN TO SLOAN RIVAL. SHALL HAVE A TWO INCH DRAIN WITH INTEGRAL FLOOR ELUVENT.	PROVIDE BOTH W/ TRUE P-SHOWER FLOW COLD WATER AT LAV.	2"	-	-	-		
P-7	WATER HEATER	30 GAL. ENERGY SAVING UNIT, 2" FLOW INSULATION, 20 GPH RECOVERY AT 80 TEMP, RISE, REMOVED-WHITE MODEL, W-3085 OR APPROVED EQUAL.	PROVIDE P&T RELIEF VALVE.	-	-	3/4"	3/4"		
P-8	PRESSURE TANK	PROVIDED BY WELL CONTRACTOR	-	-	1"	-	-		
P-9	STORAGE TANK	SUPERSTOR SS-40, 40 GALLON TANK, 175 GALLON RECOVERY @ 140°F.	-	-	3/4"	3/4"	-		
P-10	SINK	ELWAY DLR-2222, 10 STAINLESS STEEL SINK, AMERICAN STANDARD RELIANT # 4205, 40" FAUCET WITH SPRAY, DOD STUBBER.	PROVIDE P&T RELIEF VALVE & MOUNTING BRACKET.	1-1/2"	-	1/2"	1/2"		
P-11	LAUNDRY TUB	FAB. 1-1" WALL HUNG, W/STRAINER & PLUGS, FAUCETS: AMERICAN STANDARD RELIANT #2 MODEL #2385.000.	MOUNT WITH RIM @ 54" A.F.F.	1-1/2"	1-1/2"	1/2"	1/2"		
P-12	ETWASH	GARMENT EQUIPMENT #61814 STAINLESS STEEL BOWL WITH WALL MOUNTING BRACKET.	-	1-1/2"	1-1/2"	1/2"	-		
P-13	LIMITED AREA SPRINKLER	INTERMEDIATE TEMPERATURE CLASSIFICATION (175-225) COLOR BRONZE WITH REMOVABLE ELEMENT	-	-	3/4"	-	-		
⊗	CLEANOUTS AREA SPRINKLER	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 APPROX. EQUAL. WALL CO. # SHALL BE ZURN MODEL Z-1400-1 OR APPROX. EQUAL.	-	-	-	-	-		

FLOOR PLAN

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

PLUMBING SYMBOLS

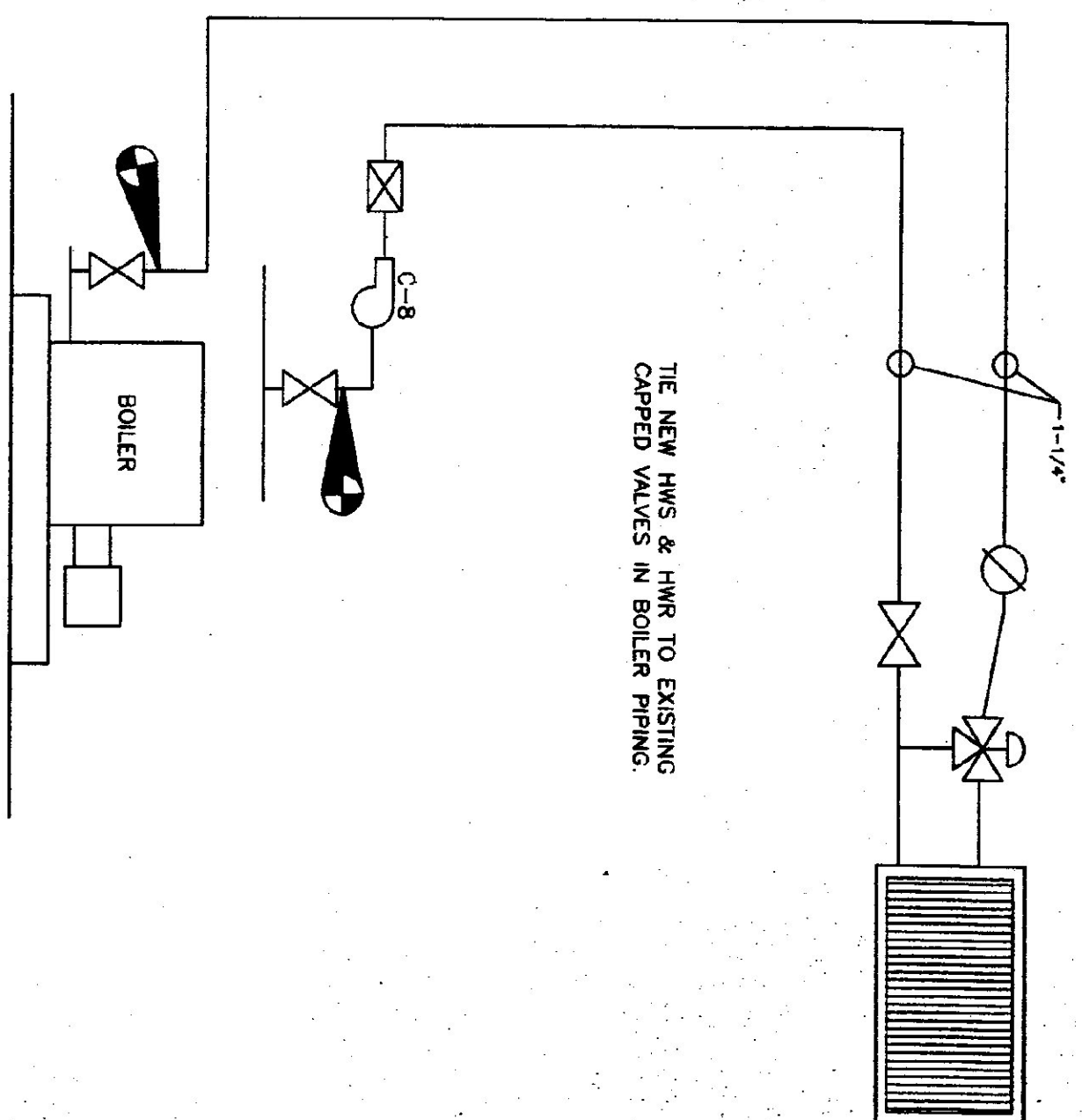
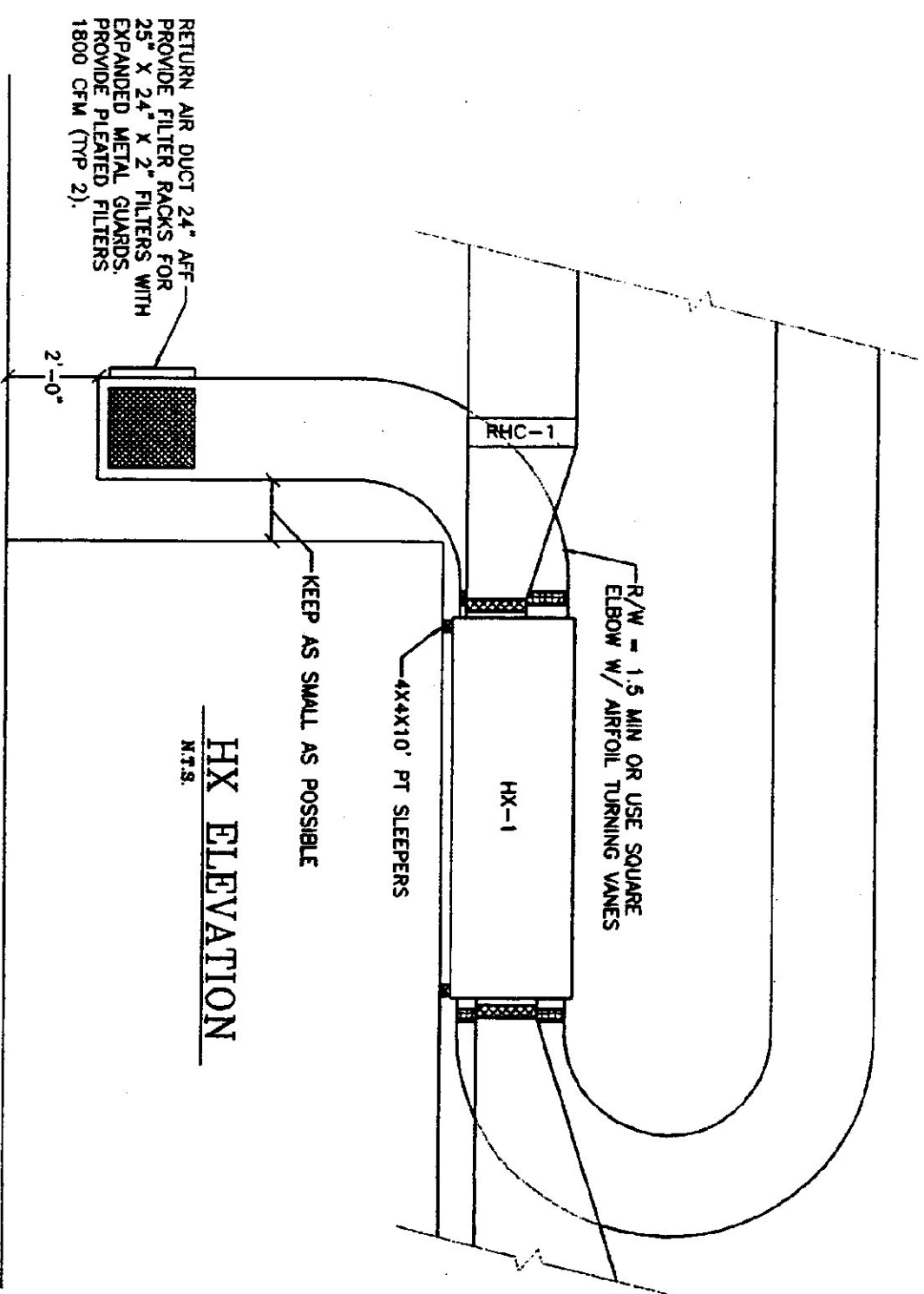




FLOOR PLAN

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

MAKE/MODEL		CAPACITIES					
RHC-1	MCQUAY SWB1410G-21X39	EAT 40	EWT 180	LAT 68	LWT 160	3600 CFM	12 GPM
MAKE/MODEL		CAPACITIES					
HX-1	XETEX IAG-4000	3600 CFM @ .2" ESP	2 @ 3HP EA	230/1/60			
MAKE/MODEL		CAPACITIES					
L-2,3	VENTPRODUCTS 2750	36X36	3600 CFM	REMARKS			
MOD-2,3	VENTPRODUCTS 5703	36X36	3600 CFM	PROVIDE BELIMO ACTUATORS			
MAKE/MODEL		CAPACITIES					
P-8	TACO 0010	12gpm @ 8' TDH	115V 1/9HP				



PIPING DIAGRAM

N.T.S.

SEQUENCES OF CONTROL

When humidity rises above set point 50% (Adj.) MOD2&3 open. Both blowers in HX-1 are energized. C-8 is energized and 3 way valve modulates to provide 65°F (Adj.) discharge air temp.

When OAT rises above set point on exist. controller, C-8 as well as all de-energized.

LEGEND	
	BALL VALVE
	3-WAY THERMOSTATICALLY CONTROLLED VALVE
	BALANCING VALVE
	TOUR-ANDERSON STD
	HUMIDISTAT
	CIRCULATOR
	FLO-CHECK

READSBORO AOT GARAGE VENTILATION SYSTEM PLANS & DETAILS

READSBORO,

VERMONT



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



SCALE:	AS NOTED
DATE:	JUNE 2001
DRAWN BY:	N. HERSEY
APPR. BY:	SOUTHWORTH

READSBORO

VENTILATION
SYSTEM

PLANS & DETAILS

V-1

OF