

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 03-0968	Issue Date: AUG 12 2003	CBL: 353 C007001
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Location of Construction: 339 Palmer Ave	Owner Name: Mickiewicz Mary B & John A Jts	Owner Address: 339 Palmer Ave CITY OF PORTLAND	Phone: 207-797-8309
Business Name:	Contractor Name: no contractor / self	Contractor Address: Portland	Phone:
Lessee/Buyer's Name	Phone:	Permit Type: Additions - Dwellings	Zone: R-3

Past Use: single family	Proposed Use: single family - build 16' x 34' addition and 12' x 20' deck	Permit Fee: \$291.00	Cost of Work: \$30,000.00	CEO District: 2
Proposed Project Description: build 16' x 34' addition and 12' x 20' deck		FIRE DEPT: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied <i>MA</i>	INSPECTION: Use Group: R-3 Type: 5B <i>BOCA 99</i> <i>2</i>	
		Signature:	Signature:	
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied				
		Signature:	Date:	

Permit Taken By: tmm	Date Applied For: 08/12/2003	Zoning Approval		
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<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: <i>8/12/03</i></p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p>Historic Preservation</p> <p><input checked="" type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: <i>8/12/03</i></p>
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CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 to schedule your inspections as agreed upon

Permits expire in 6 months, if the project is not started or ceases for 6 months.

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.

_____ **Pre-construction Meeting:** Must be scheduled with your inspection team upon receipt of this permit. Jay Reynolds, Development Review Coordinator at 874-8632 must also be contacted at this time, before any site work begins on any project other than single family additions or alterations.

- Footing/Building Location Inspection:** Prior to pouring concrete
- _____ **Re-Bar Schedule Inspection:** Prior to pouring concrete
- Foundation Inspection:** Prior to placing ANY backfill
- Framing/Rough Plumbing/Electrical:** Prior to any insulating or drywalling
- Final/Certificate of Occupancy:** Prior to any occupancy of the structure or use. NOTE: There is a \$75.00 fee per inspection at this point.

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection

_____ If any of the inspections do not occur, the project cannot go on to the next phase, **REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED

[Signature]
Signature of applicant/designee

8-12-03
Date

[Signature]
Signature of Inspections Official

8/12/03
Date

CBL: 353-C-7 Building Permit #: 03-0968

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Permit Number: 030968

Please Read Application And Notes, If Any, Attached

This is to certify that Mickiewicz Mary B & John owner/s/no contractor / self
has permission to build 16' x 34' addition and 16' x 20' deck
AT 339 Palmer Ave City 353 C007001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, and of the application on file in this department.

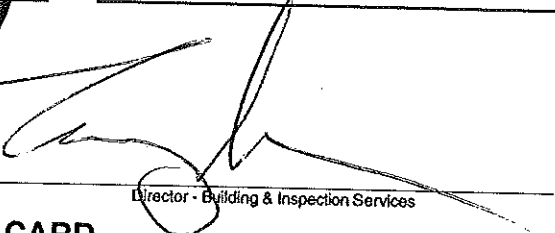
Apply to Public Works for street line and grade if nature of work requires such information.

Notification of inspection must be given and work in progress before this building or part thereof is occupied or otherwise closed-in. HOUR NOTIFICATION REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. PERMIT ISSUED
Health Dept. _____
Appeal Board _____
Other AUG 12 2003
Department Name


Director - Building & Inspection Services

CITY OF PORTLAND

PENALTY FOR REMOVING THIS CARD

All Purpose Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>339 Palmer Ave.</u>		
Total Square Footage of Proposed Structure <u>544 sq. ft.</u>	Square Footage of Lot <u>17,850 sq. ft.</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>353</u> Block# <u>C</u> Lot# <u>7</u>	Owner: <u>John & Mary Mickiewicz</u>	Telephone: <u>797-8309</u>
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone: <u>John Mickiewicz</u> <u>339 Palmer Ave.</u> <u># 797-8309</u>	Cost Of Work: \$ <u>30,000</u> Fee: \$ <u>291-</u>
Current use: <u>Residence</u>		
If the location is currently vacant, what was prior use: _____		
Approximately how long has it been vacant: _____		
Proposed use: <u>Kitchen/Dining - 16' x 34' addition + 12' x 20' deck</u>		
Project description: <u>One-story addition</u>		
Contractor's name, address & telephone: <u>John Mickiewicz # 797-8309</u>		
Who should we contact when the permit is ready: <u>John Mickiewicz</u>		
Mailing address: <u>339 Palmer Ave.</u> <u>Portland, ME 04103</u>		
We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a \$100.00 fee if any work starts before the permit is picked up. PHONE: <u>797-8309</u>		

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APPROVE THIS PERMIT.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: <u>John Mickiewicz</u>	Date: <u>8-4-03</u>
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**This is NOT a permit, you may not commence ANY work until the permit is issued.
If you are in a Historic District you may be subject to additional permitting and fees with the
Planning Department on the 4th floor of City Hall**

9/8/83 - checked setdachs - no problems
plenty of Room. Jan M

9/16/03 - checked Foundation for brickfill
Drains/waterproofing items ok - no problems
seen ok to Brickfill. Jan M

11/20/03 - for Check on B/P/E all ok
to finish

System Performance

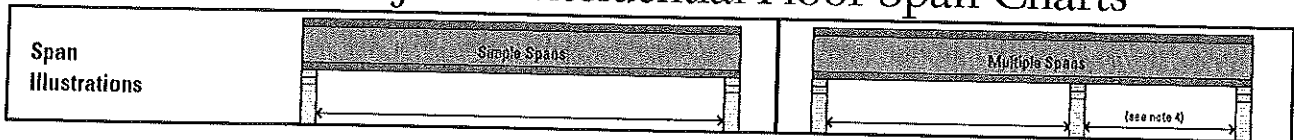
The ultimate goal in the design of a floor or roof system is the end user's safety and satisfaction. Although joists used at spans indicated in this guide meet or exceed minimum code criteria and will safely support the loads imposed on them, judgement must be used to adequately meet user expectation levels. These expectations may vary from one user to another.

- The specifier should consider the meaning of a given deflection limit in terms of allowable deflection and the effects this could have on the system. For example, L/360 (span/360) for a 30' span is 1" of deflection. L/240 would be 1-1/2" and L/180 would be 2" of deflection. Consideration might also be given to cases in which a joist with a long span parallels a short span or a foundation end wall. For example, a 30' span with up to 1" of allowable live load deflection could be adjacent to an end wall with no deflection, causing a noticeable difference in floor levels under full design load.
- A stiffer floor will result from using a live load deflection limit of L/480 versus the code minimum L/360. A roof system with less total load deflection than the code required L/180 may be achieved by using a criterion of L/240.
- In addition to more stringent deflection limits, several other factors may improve overall floor performance. Reducing joist spacing and/or increasing the subfloor thickness will

lessen deflection between adjacent joists and increase load sharing. For increased floor stiffness, we recommend gluing the subfloor to the joists before nailing or screwing rather than nailing alone. For additional stiffness, glue tongue and groove joints. Surfaces must be clean and dry before gluing.

- As with any construction, it is essential to follow proper installation procedures. Joists must be plumb and anchored securely to supports before system sheathing is attached. Supports for multiple span joists must be level. To minimize settlement when using hangers, joists should be firmly seated in the hanger bottoms. Leave a 1/16" gap between joist end and header.
- Vibrations may occur in floor systems with very little dead load, as in large empty rooms. A ceiling attached to the bottom of the joists will generally dampen vibration as will interior partition walls running perpendicular to the joists. If a ceiling will not be attached to the bottom of the joists, vibration can be minimized by nailing a continuous 2 x 4 perpendicular to the bottom of the joists at midspan running from end wall to end wall. Where future finishing of the ceiling is likely, x-bridging or Wood I Beam blocking panels may be used in place of the 2 x 4.

GPI and WI Series Joists—Residential Floor Span Charts



40 PSF Live Load + 10 PSF Dead Load

Improved Performance¹ (L/480)

Joist	Joist Depth	Spacing (Simple Span)				Spacing (Multiple Span)			
		12' o.c.	16' o.c.	19.2' o.c.	24' o.c.	12' o.c.	16' o.c.	19.2' o.c.	24' o.c.
GPI 20	9 1/2"	17'-01"	15'-07"	14'-09"	13'-10"	18'-07"	17'-01"	16'-02"	14'-05"
	11 3/8"	20'-05"	18'-08"	17'-08"	16'-06"	22'-03"	20'-06"	18'-09"	16'-09"
GPI 40	9 1/2"	18'-00"	16'-06"	15'-07"	14'-06"	19'-08"	18'-00"	16'-05"	14'-09"
	11 3/8"	21'-06"	19'-08"	18'-07"	17'-01"	23'-06"	20'-10"	19'-00"	17'-00"
GPI 65	14"	24'-04"	22'-03"	21'-00"	18'-11"	26'-08"	23'-01"	21'-01"	18'-10"
	11 3/8"	23'-03"	21'-03"	20'-00"	18'-08"	25'-06"	23'-03"	21'-11"	20'-06"
WI 40	14"	26'-05"	24'-02"	22'-09"	21'-03"	29'-00"	26'-05"	25'-00"	20'-08"
	9 1/2"	18'-00"	16'-06"	15'-07"	14'-01"	19'-07"	17'-02"	15'-08"	14'-00"
WI 60	11 3/8"	21'-06"	19'-07"	18'-02"	16'-03"	23'-00"	19'-11"	18'-02"	16'-02"
	14"	24'-04"	22'-01"	20'-02"	18'-00"	25'-06"	22'-01"	20'-01"	18'-00"
WI 80	11 3/8"	22'-08"	20'-08"	19'-06"	18'-03"	24'-08"	22'-06"	21'-02"	19'-01"
	14"	25'-09"	23'-06"	22'-02"	20'-09"	28'-01"	25'-07"	23'-08"	19'-09"
WI 80	11 3/8"	24'-11"	22'-08"	21'-04"	19'-11"	27'-01"	24'-08"	23'-03"	21'-08"
	14"	28'-03"	25'-09"	24'-03"	22'-08"	30'-10"	28'-00"	26'-05"	23'-11"
	16"	31'-04"	28'-06"	26'-11"	25'-01"	34'-02"	31'-01"	29'-03"	23'-11"

40 PSF Live Load + 20 PSF Dead Load

Improved Performance¹ (L/480)

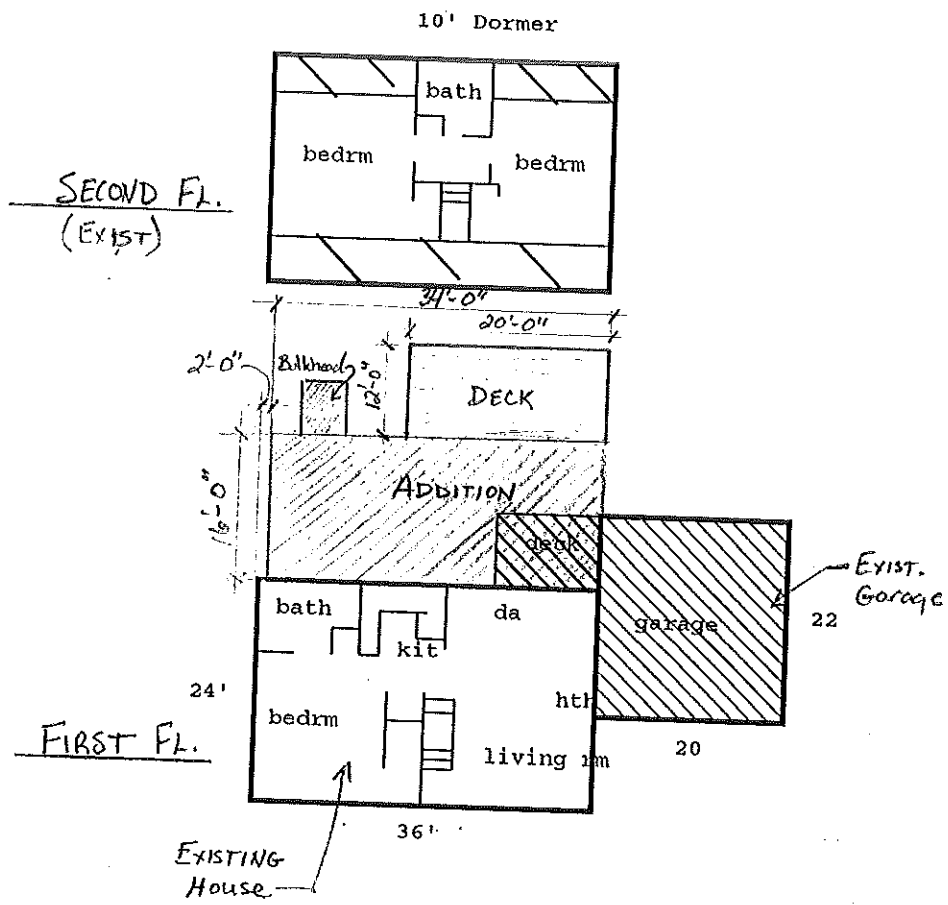
Joist	Joist Depth	Spacing (Simple Span)				Spacing (Multiple Span)			
		12' o.c.	16' o.c.	19.2' o.c.	24' o.c.	12' o.c.	16' o.c.	19.2' o.c.	24' o.c.
GPI 20	9 1/2"	17'-01"	15'-07"	14'-09"	13'-03"	18'-07"	16'-02"	14'-09"	13'-02"
	11 3/8"	20'-05"	18'-08"	17'-02"	15'-04"	21'-08"	18'-09"	17'-01"	15'-03"
GPI 40	9 1/2"	18'-00"	16'-06"	15'-01"	13'-06"	19'-01"	16'-06"	15'-00"	13'-05"
	11 3/8"	21'-06"	19'-01"	17'-05"	15'-07"	22'-00"	19'-00"	17'-04"	15'-06"
GPI 65	14"	24'-04"	21'-02"	19'-03"	17'-03"	24'-04"	21'-01"	19'-03"	17'-01"
	11 3/8"	23'-03"	21'-03"	20'-00"	18'-08"	25'-06"	23'-03"	21'-06"	17'-02"
WI 40	14"	26'-05"	24'-02"	22'-09"	21'-03"	29'-00"	25'-11"	21'-06"	17'-02"
	9 1/2"	18'-00"	15'-09"	14'-04"	12'-10"	18'-01"	15'-08"	14'-03"	12'-09"
WI 60	11 3/8"	21'-00"	18'-02"	16'-07"	14'-10"	21'-00"	18'-02"	16'-06"	14'-09"
	14"	23'-04"	20'-02"	18'-05"	16'-05"	23'-03"	20'-01"	18'-04"	16'-04"
WI 80	11 3/8"	22'-08"	20'-08"	19'-06"	17'-05"	24'-08"	21'-04"	19'-05"	18'-05"
	14"	25'-09"	23'-06"	21'-08"	19'-04"	27'-04"	23'-08"	20'-07"	16'-05"
WI 80	11 3/8"	24'-11"	22'-08"	21'-04"	19'-10"	29'-08"	24'-09"	22'-09"	18'-02"
	14"	28'-03"	25'-09"	24'-03"	21'-02"	30'-10"	28'-00"	24'-11"	19'-11"
	16"	31'-04"	28'-06"	26'-06"	21'-02"	34'-02"	30'-00"	24'-11"	19'-11"

NOTES:

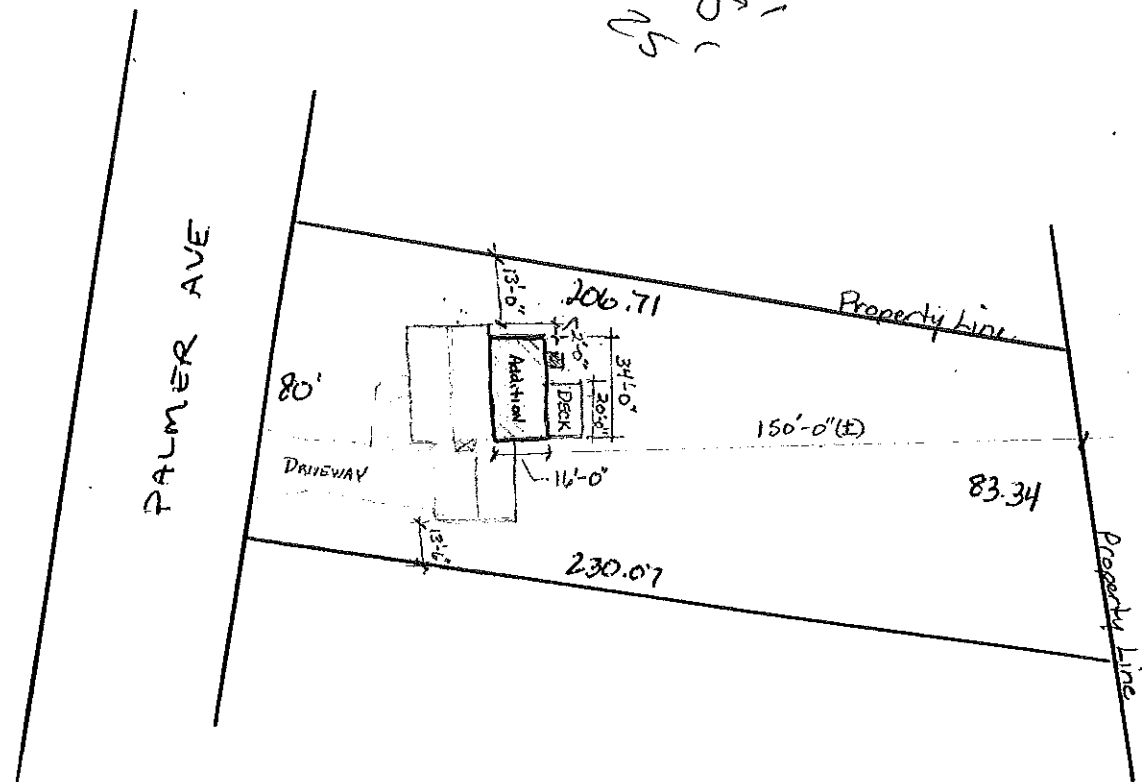
- These span charts are based on uniform loads, as noted above; live load deflection is limited to L/480 for better performance. Floor performance is greatly influenced by the stiffness of the floor joists. Experience has shown that joists designed to the code minimum live load deflection (L/360) will result in a floor which may not meet the expectations of some end users. G-P strongly recommends floor spans for Wood I Beam joists be limited to those given above, which are based on L/480 live load deflection. (One-third stiffer than required by code.)
- Spans are clear distances between supports, and are based on composite action with glued-nailed APA Rated Sheathing or Sturd-I-Floor of minimum thickness 19/32" (40/20 or 20 oc) for

joist spacing of 19.2" or less, or 23/32" (48/24 or 24 oc) for a joist spacing of 24". Adhesive must meet APA AFG-01 or ASTM D3498. Apply a continuous line of glue (about 1/4" diameter) to top flange of joists. All surfaces must be clean and dry. If sheathing is nailed only (not recommended), reduce spans by 12"

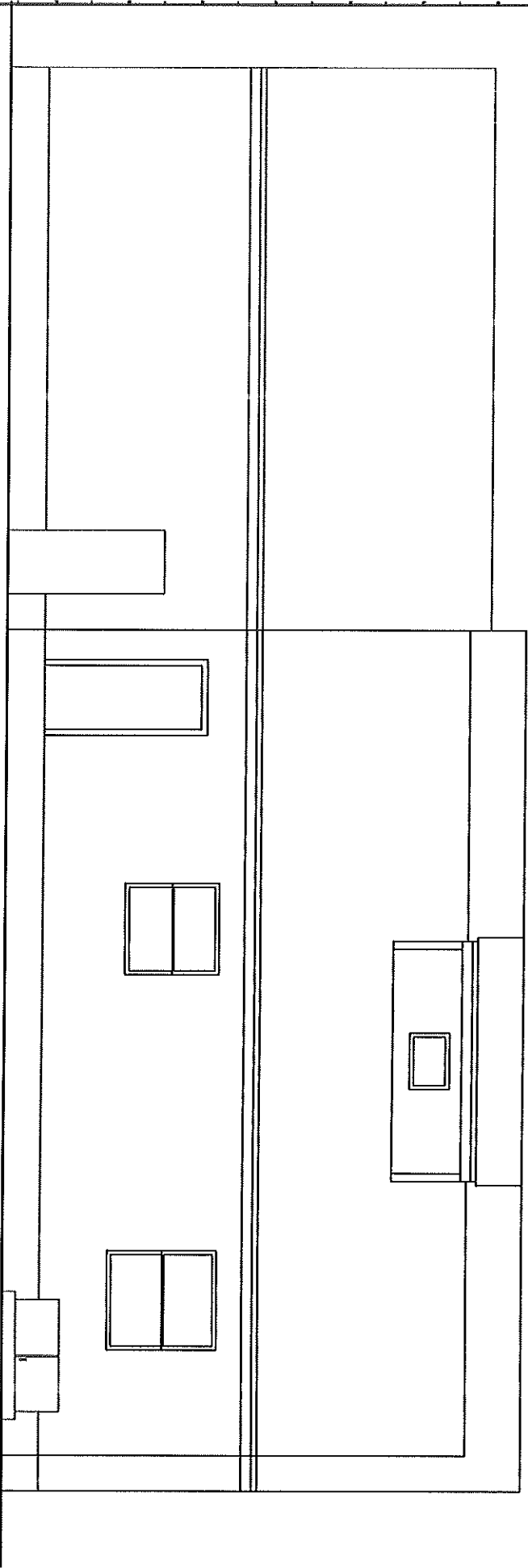
- Minimum end bearing length is 3-3/4". Minimum intermediate bearing length is 3-1/2".
- End spans of multiple-span joists must be at least 40% of the adjacent span.
- For loading other than that shown above, refer to Uniform Load Tables, use G-P FASTBeam[®] selection software, or contact G-P Engineered Lumber Technical Services.
- Not all products are available at all distribution centers; contact G-P for availability.



16' x 34'
 20' x 34'
 12' x 20'
 16' x 34'
 20' x 34'
 12' x 20'

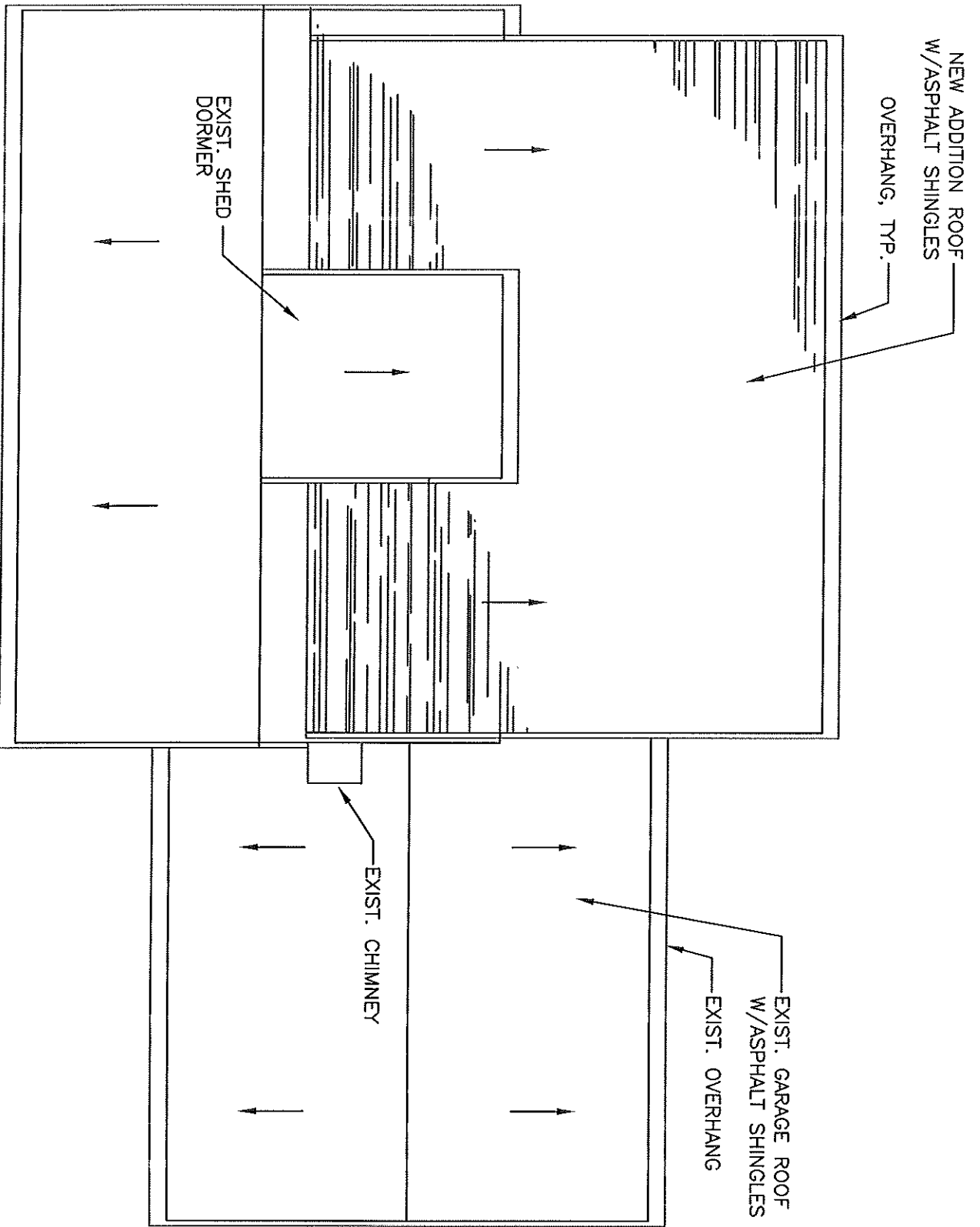


Addition — 16' x 34'
 Full Bsmnt.
 First Floor — Kitchen / Dining
 Roof — shed approx. 5/12 pitch
 ↳ Asphalt shingles
 Deck — 12' x 20'



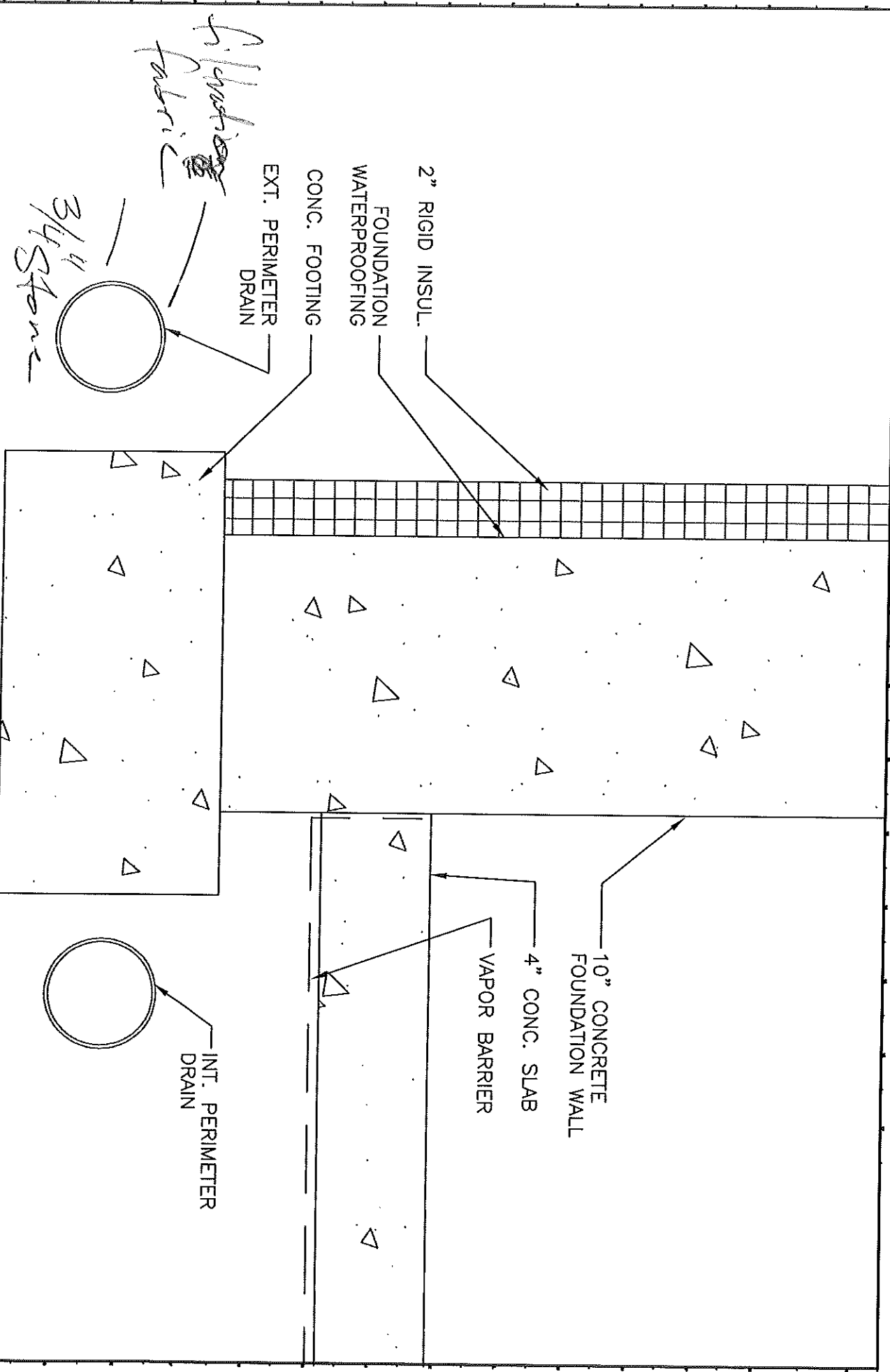
REAR ELEVATION
(N.T.S.)

MICREWICZ	
ADDITION	
PERMANENT HOME	
PROJECT	
SCALE	AS SHOWN
DATE	07-14-03



ROOF PLAN
(N.T.S.)

MICROWICZ ADDITON PERMANENT MARK	
SCALE	AS SHOWN
DATE	07-14-03

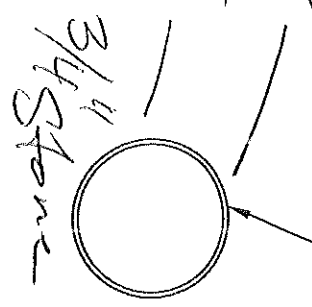


2" RIGID INSUL.

FOUNDATION
WATERPROOFING

CONC. FOOTING

EXT. PERIMETER
DRAIN

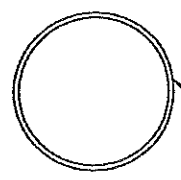


10" CONCRETE
FOUNDATION WALL

4" CONC. SLAB

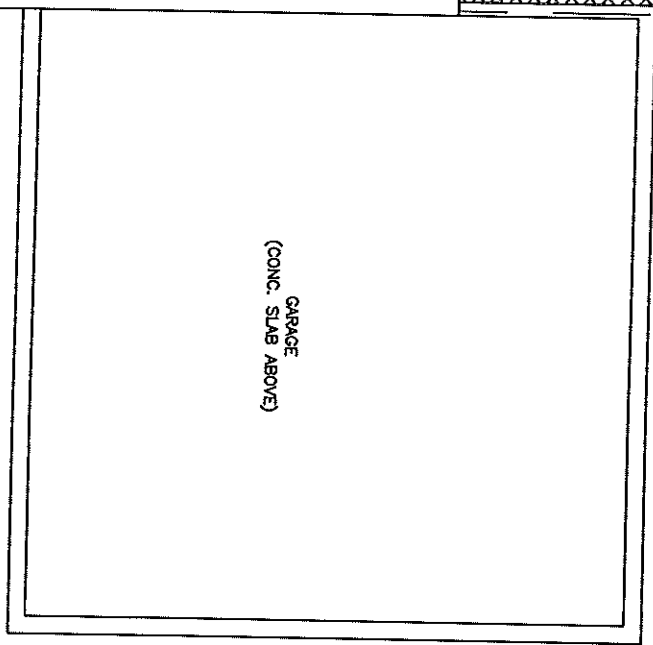
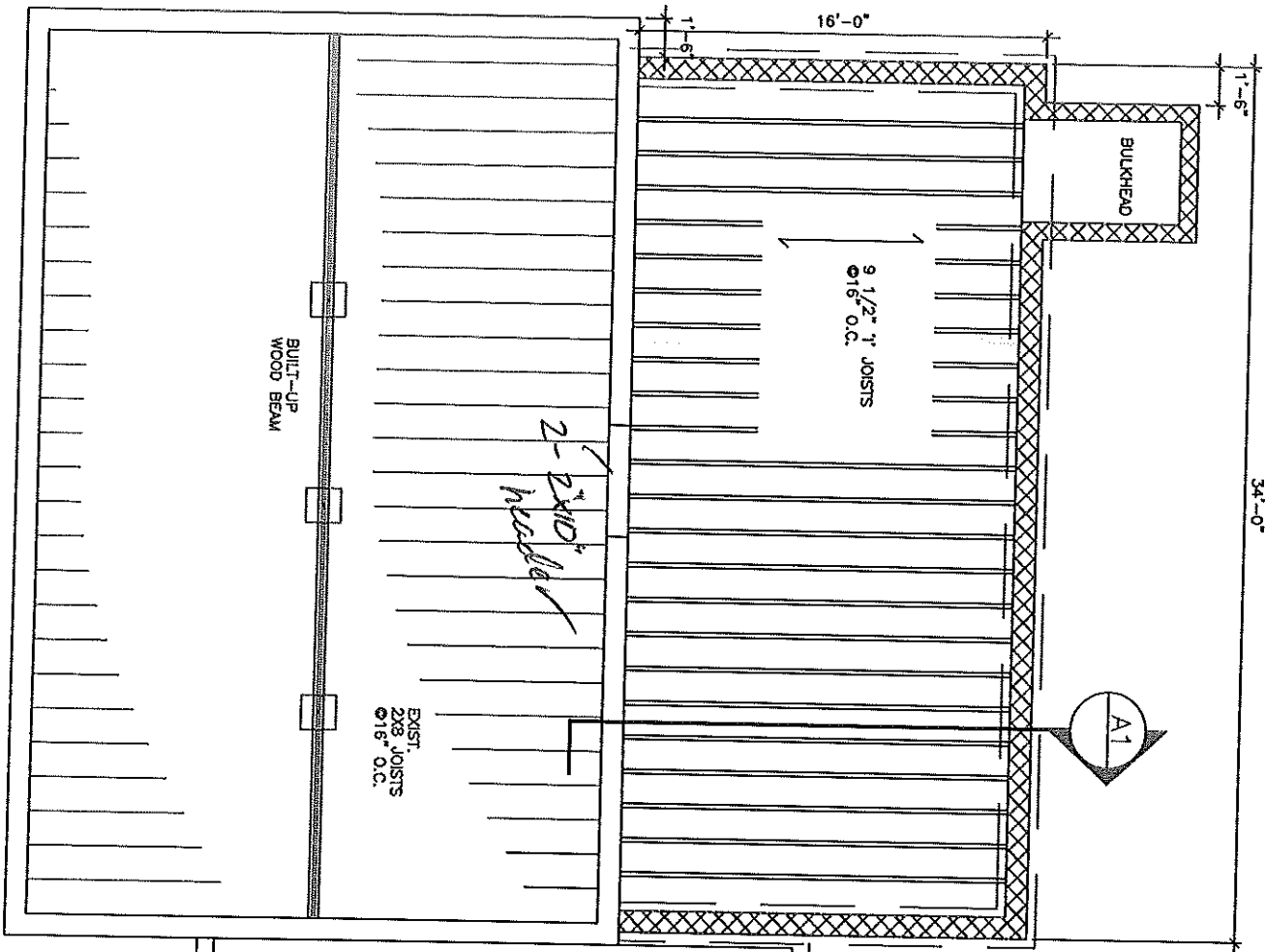
VAPOR BARRIER

INT. PERIMETER
DRAIN



SECTION D
(N.T.S.)

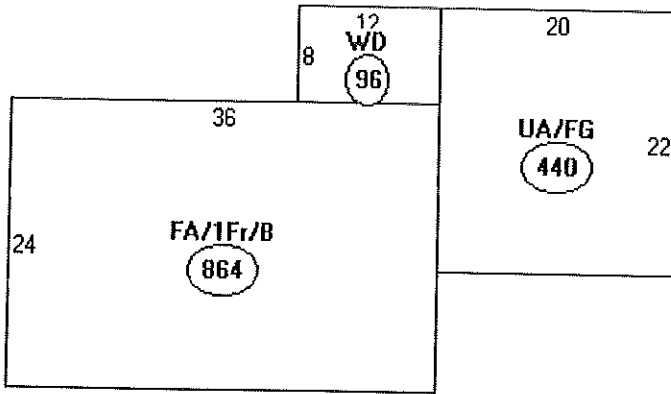
MICKIEWICZ ADDITION PHYSICAL PLAN	
PROJECT	
SCALE	AS NOTED
DATE	07-14-03



FOUNDATION PLAN
(N.T.S.)

PROJECT		MICKENICZ ADDITION
DATE		07-14-03
BY		AS NOTED

8/12/03 -
2:00



Descriptor/Area

A: FA/1F1/B
864 sqft

B: WD
96 sqft

C: UA/FG
440 sqft

R-3
→ 4367 Allowed
OK - lot cov.

1400
 544

 1944
 440

 2384
 240

 2624

R-3 -
sides 8'
front + rear - 25'

This page contains a detailed description of the Parcel ID you selected. Press the **New Search** button at the bottom of the screen to submit a new query.

Current Owner Information

Card Number	1 of 1
Parcel ID	353 C007001
Location	339 PALMER AVE
Land Use	SINGLE FAMILY
Owner Address	MICKIEWICZ MARY B & JOHN A JTS 339 PALMER AVE PORTLAND ME 04103
Book/Page	15373/70
Legal	353-C-7 PALMER AVE 337-341 17471 SF

Valuation Information

Land	Building	Total
\$37,280	\$87,360	\$124,640

Property Information

Year Built 1988	Style Cape	Story Height 1	Sq. Ft. 1210	Total Acres 0.401		
Bedrooms 3	Full Baths 2	Half Baths	Total Rooms 5	Attic Full Finsh	Basement Full	

Outbuildings

Type	Quantity	Year Built	Size	Grade	Condition
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Sales Information

Date 03/20/2000	Type LAND + BLDING	Price \$124,000	Book/Page 15373-070
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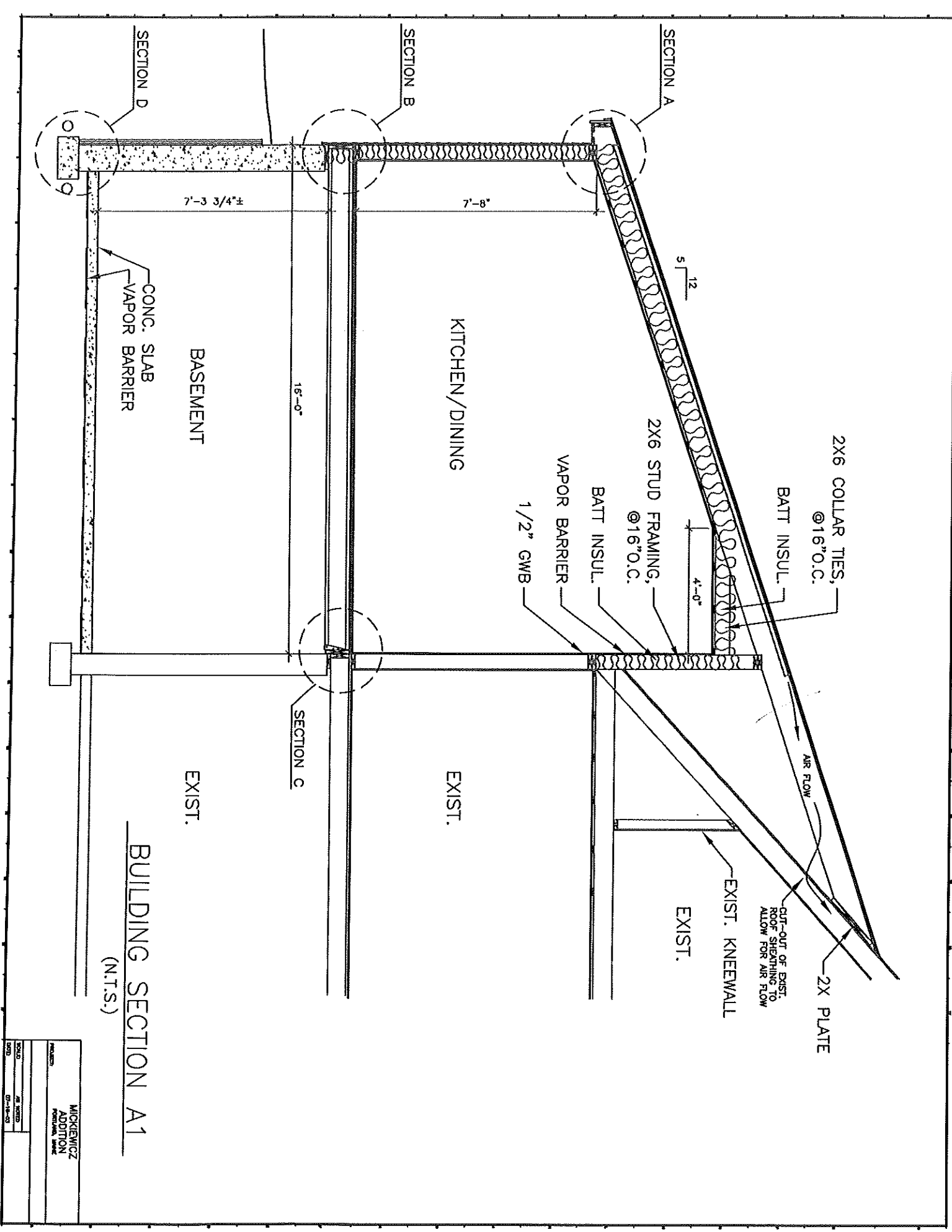
Picture and Sketch

[Picture](#) [Sketch](#)

[Click here](#) to view Tax Roll Information.

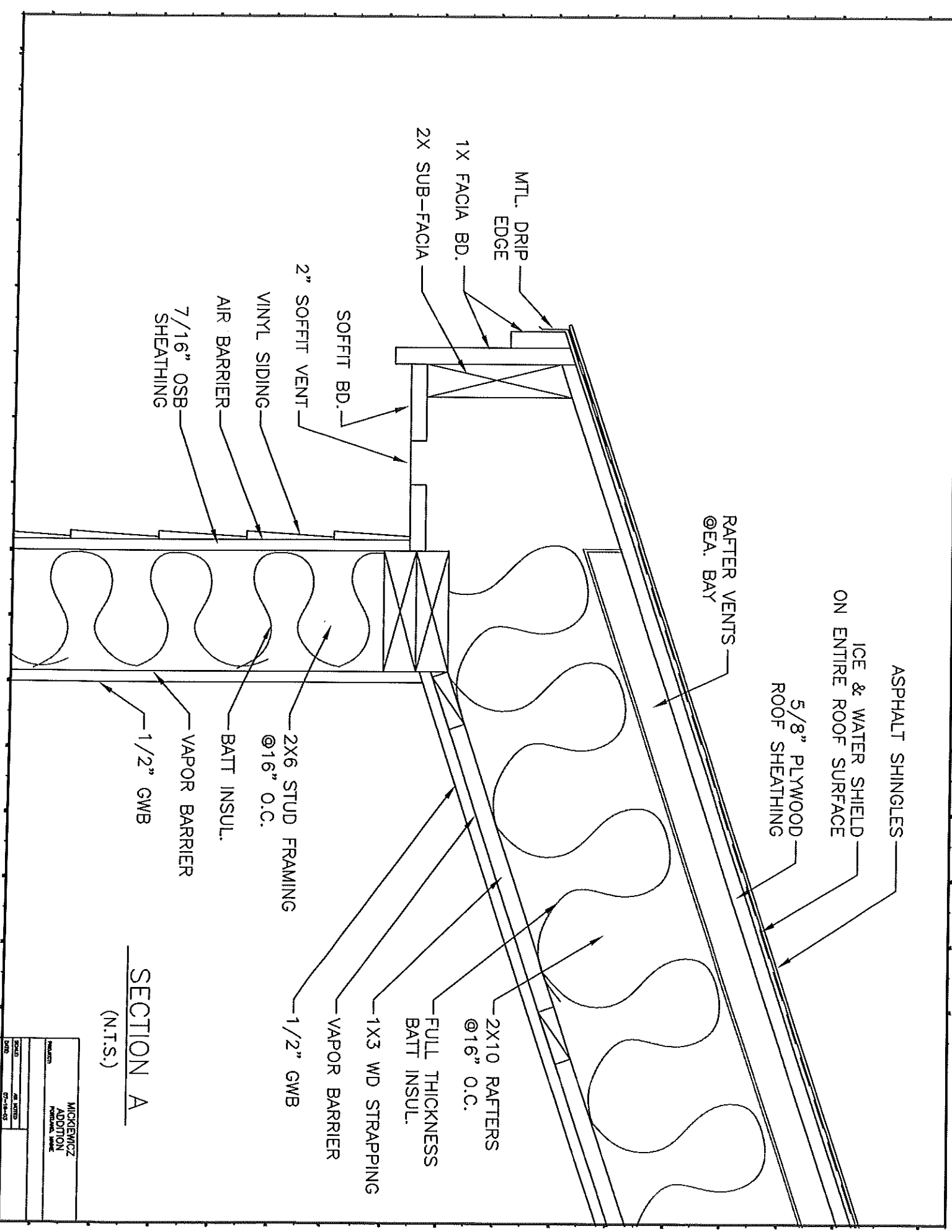
Any information concerning tax payments should be directed to the Treasury office at 874-8490 or [e-mailed](#).





BUILDING SECTION A1
(N.T.S.)

MICKIEWICZ ADDITION PROJ. NO. 07-14-03	
DATE	07-14-03
BY	AS NOTED
SCALE	AS SHOWN



ASPHALT SHINGLES

ICE & WATER SHIELD
ON ENTIRE ROOF SURFACE

5/8" PLYWOOD
ROOF SHEATHING

RAFTER VENTS
@ EA. BAY

MTL. DRIP
EDGE

1X FACIA BD.

2X SUB-FACIA

SOFFIT BD.

2" SOFFIT VENT

VINYL SIDING

AIR BARRIER

7/16" OSB
SHEATHING

ASPHALT SHINGLES

ICE & WATER SHIELD
ON ENTIRE ROOF SURFACE

5/8" PLYWOOD
ROOF SHEATHING

RAFTER VENTS
@ EA. BAY

2X10 RAFTERS
@16" O.C.

FULL THICKNESS
BATT INSUL.

1X3 WD STRAPPING

VAPOR BARRIER

1/2" GWB

2X6 STUD FRAMING
@16" O.C.

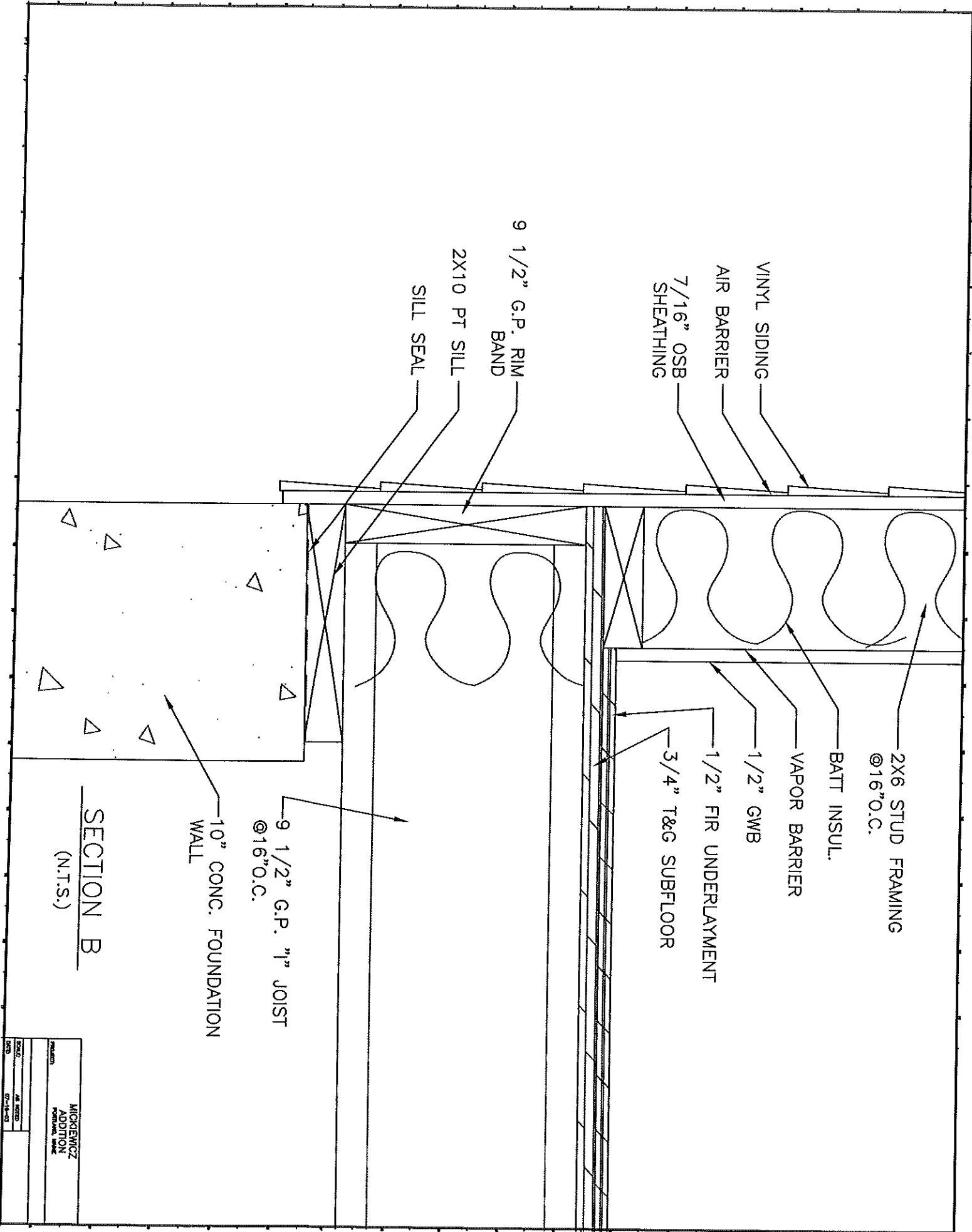
BATT INSUL.

VAPOR BARRIER

1/2" GWB

SECTION A
(N.T.S.)

MICKERENZ ADDITION FORD, MISSOURI	
PROJECT	
DATE	07-18-02
BY	
NO. REVISIONS	
DATE	



2X6 STUD FRAMING
@16"O.C.

BATT INSUL.

VAPOR BARRIER

1/2" GWB

1/2" FIR UNDERLAYMENT

3/4" T&G SUBFLOOR

7/16" OSB
SHEATHING

AIR BARRIER

VINYL SIDING

9 1/2" G.P. RIM
BAND

2X10 PT SILL

SILL SEAL

9 1/2" G.P. 1" JOIST
@16"O.C.

10" CONG. FOUNDATION
WALL

SECTION B
(N.T.S.)

PROJECT		MICKEWICZ ADDITION	
DATE		07-14-03	
SCALE		AS SHOWN	
DRAWN		[Signature]	

NEW KITCHEN/DINING

1/2" GWB

1/2" FIR UNDERLAYMENT

3/4" T&G SUBFLOOR

EXIST. 2X6 STUD FRAMING

EXIST.

EXIST. 2X8 FLOOR FRAMING

EXIST. CONC. FOUNDATION WALL

SECTION C (N.T.S.)

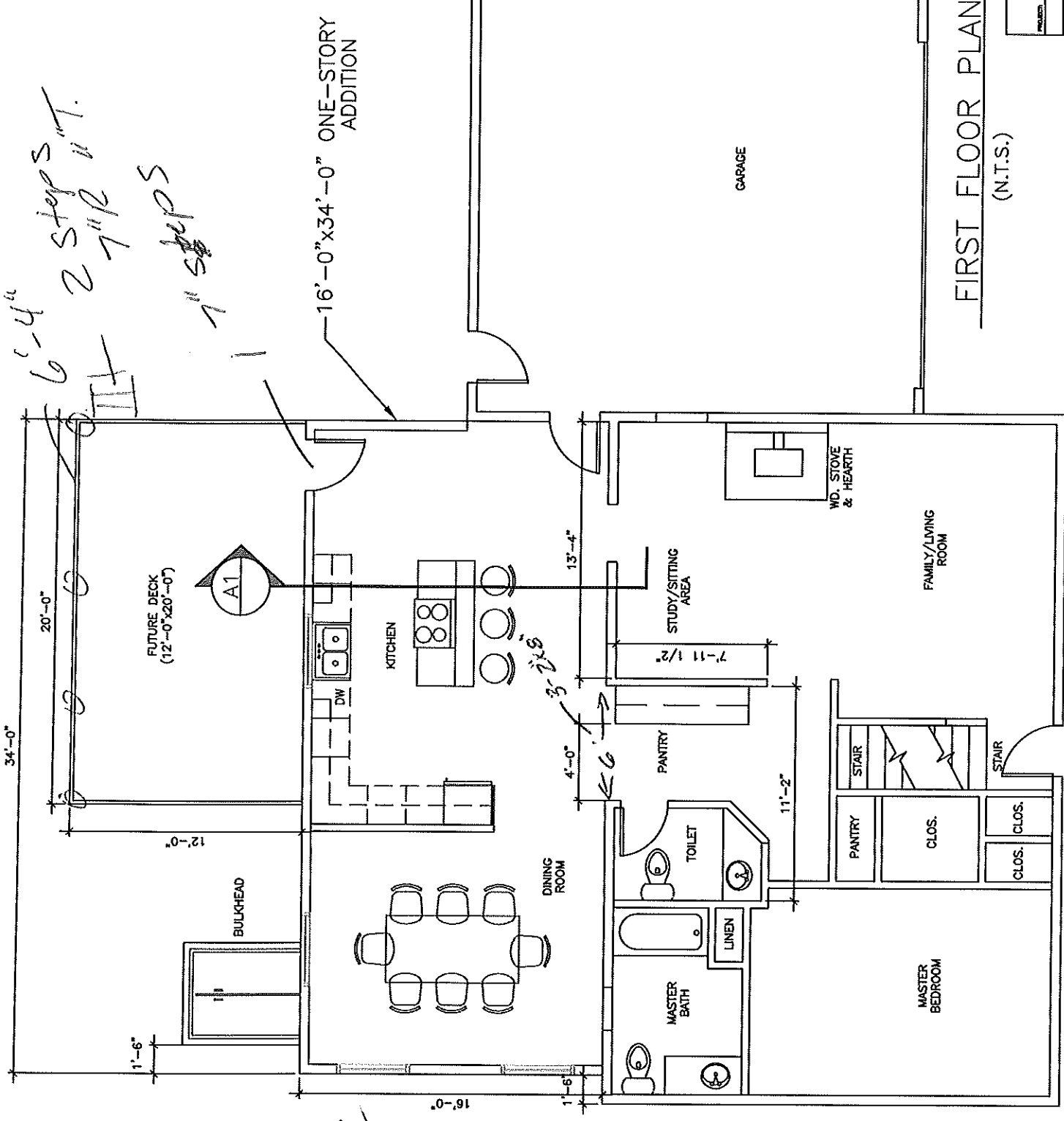
NEW BSMNT.

2X10 LEDGER, FASTENED W/3" LAG SCREWS @4'-0" O.C.

9 1/2" G.P. 1" JOIST @16" O.C.

JOIST HANGER

MICKEYWICZ ADDITION	
NO. 0000	07-16-03
DATE	



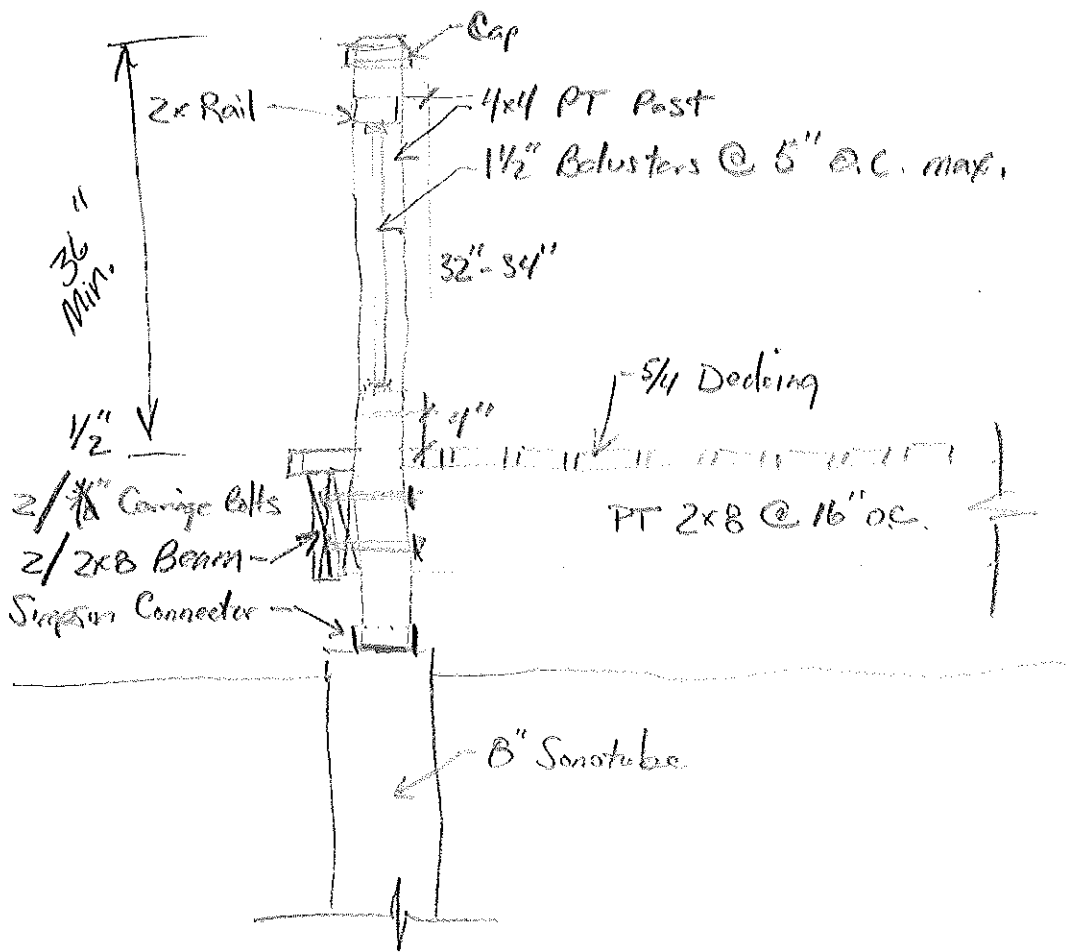
6'-4"
 2 steps
 7" R
 1" steps

16'-0" x 34'-0" ONE-STORY ADDITION

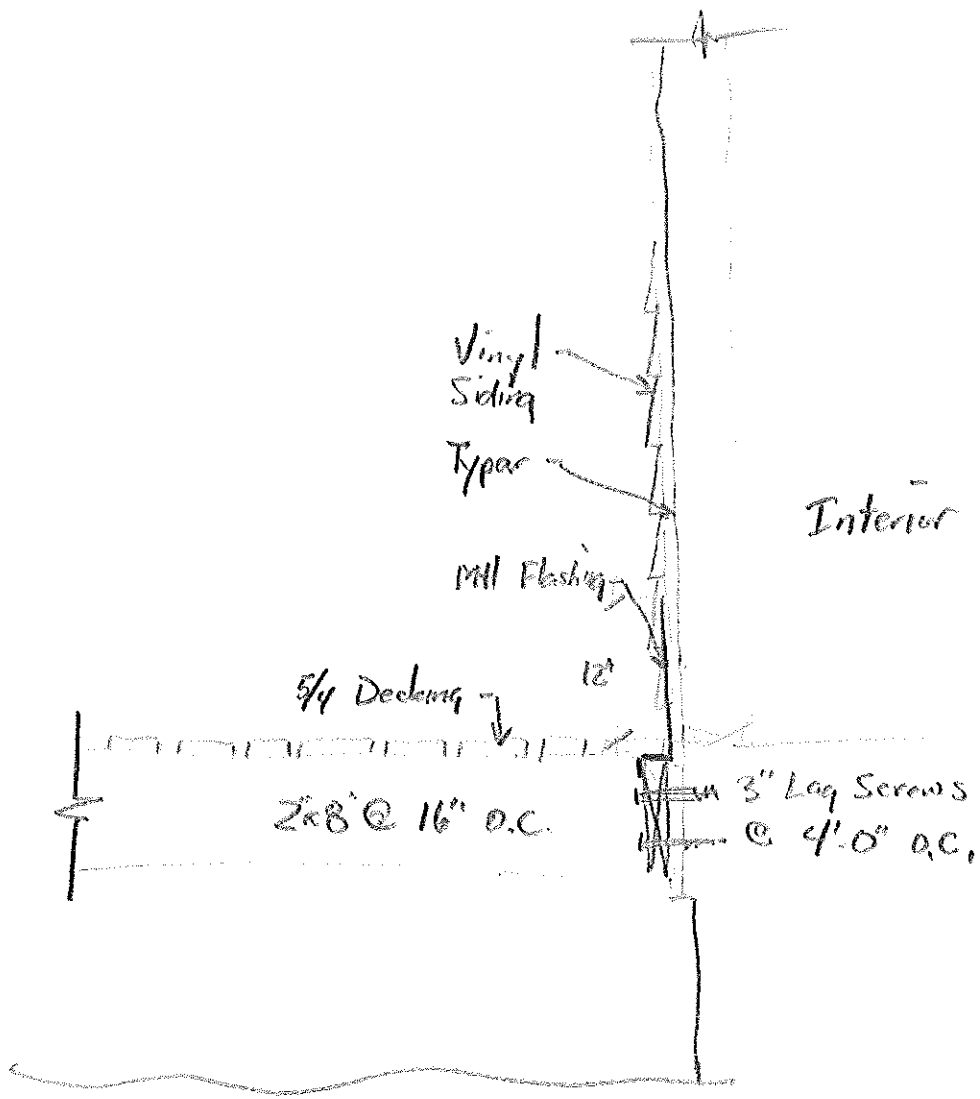
3'6" width

FIRST FLOOR PLAN
 (N.T.S.)

MICKIEWICZ ADDITION	
PROJECT	PERMANENT, MAINE
SCALE	AS NOTED
DRAWN	07-14-03



SECTION



SECTION

Planning or Adding a Basement Areaway

If you are planning to add a basement areaway to an existing home or plan to include one on your new home, there are two methods of supplying a basement areaway. The first is to have a pre-fabricated areaway delivered and installed on your home by an authorized Bilco installer (See the [PermEntry Basement Entrance](#) section of the Bilco homepage for more information).

If you choose to construct a new basement areaway on site, the following information will help you with this process.

Constructing an Areaway

1. **Select the location of the Areaway...**

Locate the basement entrance where it does not interfere with partitions, utilities, piping or appliances. It should be located to provide a convenient traffic pattern relative to the inside basement stairway. Locate the areaway away from potential hazards that could prevent access to the Bilco Door, such as furnace, fireplace, or garage.

2. **Determine Areaway Dimensions and Bilco Door Size...**

At the selected areaway location, determine the height of the outside grade above your basement floor. Refer to the table below for the **inside dimensions** of the areaway, and correct size Bilco Door, extension, (if required), and stair stringers.

3. **Construct areaway foundation...**

Construct the areaway foundation at the same time as the house foundation, utilizing the same type of footings, materials, and methods. Top of finished areaway should be 4" to 6" above grade. For complete information on **adding an areaway foundation to your existing home**, request Bilco folder no.N150.

Height Of Grade Above Finished Floor Will Be:	Areaway Dimensions					Stair Stringer Dimensions			
	Build Areaway To These Inside Dimensions (see drawing above)			Use This Bilco Door and Extension		Stringer Unit Has 8-1/4" Rise, 8-3/8" Run and 1-1/8" Nosing		Use These Bilco Stair Stringers & Extensions (Size E Extension has 3-Tread Run)	
	H *	L	W	Door Size	Extension Size	** Run In areaway	Treads in Areaway		
24" to 31" (see 1)	33"	40"	44"	SL	None	26-1/4"	3		N/A
32" to 39"	41-1/4"	40"	44"	SL	None	34-5/8"	4		SL
40" to 47" (see 2)	49-1/2"	40"	44"	SL	None	34-5/8"	4		SL
48" to 55" (see 3)	57-3/4"	54"	40"	O	None	51-3/8"	6		O
56" to 64" (see 3)	66"	60"	44"	B	None	59-3/4"	7		B
65" to 72"	74-1/4"	68"	48"	C	None	68-1/8"	8		C
73" to 80" (see 2)	82-1/2"	68"	48"	C	None	68-1/8"	8		C
73" to 80"	82-1/2"	80"	48"	C	12"	76-1/2"	9		O + E
81" to 88" (see 2)	90-3/4"	80"	48"	C	12"	76-1/2"	9		O + E
81" to 88"	90-3/4"	86"	48"	C	18"	84-7/8"	10		B + E

