

City of Portland, Maine - Building or Use Permit Application
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

PERMIT ISSUED

Permit No: 02-0098 Issue Date: MAR - 4 2002 CBL: 317 B005001

Location of Construction: 375 Riverside St	Owner Name: Reynolds Marianne M	Owner Address: Po Box 99	Phone: RCN 651-2809
Business Name: n/a	Contractor Name: DENNIS Patco Construction - WATER -	Contractor Address: 1293 Main St Sanford	Phone: 324-1685 FAX
Lessee/Buyer's Name: n/a	Phone: n/a	Permit Type: Additions - Commercial	Zone: B-4

Past Use: Commercial / Motorcycle Dealership	Proposed Use: Commercial / Motorcycle Dealership; 5000 sq. ft. Storage Addition. Site Plan # 2001-0298	Permit Fee: \$779.00	Cost of Work: \$108,000.00	CEO District: 1
Proposed Project Description: Build 5000 sq. ft. Storage Addition		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied INSPECTION: Use Group: 82 Type: 29 3/1/02		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: gg	Date Applied For: 01/31/2002	Zoning Approval
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1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building permits do not include plumbing, septic or electrical work. 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..	Special Zone or Reviews <input type="checkbox"/> Shoreland N/A <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone Panel 6 Zone X <input type="checkbox"/> Subdivision <input checked="" type="checkbox"/> Site Plan # 2001-0298 Maj <input type="checkbox"/> Minor <input checked="" type="checkbox"/> MM <input type="checkbox"/> OK with conditions Date: 3/2/02	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: _____
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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

PERMIT ISSUED

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 02-0128	Issue Date: FEB	CBL: 317 B005001
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Location of Construction: 375 Riverside St	Owner Name: Reynolds Marianne M	Owner Address: Po Box 99	Phone: CITY OF PORTLAND
Business Name:	Contractor Name: Patco Construction	Contractor Address: 1293 Main St Sanford	Phone: 2073245574
Lessee/Buyer's Name	Phone:	Permit Type: Commercial	Zone:

Past Use: Parking lot for Bull Moose Harley Davidson	Proposed Use: Storage Building FOUNDATION ONLY	Permit Fee:	Cost of Work: \$0.00	CEO District: 1
		FIRE DEPT: <input type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: 52 Type: 28	

PREVIOUSLY APPROVED

2/11/02

[Signature]

Proposed Project Description:
50' X 100' storage building FOUNDATION ONLY

Signature: _____

Signature: *[Signature]*

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: Approved Approved w/Conditions Denied

Signature: _____ Date: _____

Permit Taken By: mjn	Date Applied For: 02/11/2002	Zoning Approval	
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<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. 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.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>PREVIOUSLY APPROVED 2/15</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: _____
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SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
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RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE	DATE	PHONE
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02 0098

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.

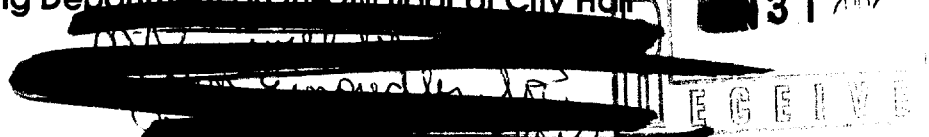
Location/Address of Construction: <u>375 Riverside St.</u>		
Total Square Footage of Proposed Structure <u>5000 sq. ft.</u>	Square Footage of Lot <u>2.87 ACRES</u>	
Tax Assessor's Chart, Block & Lot Chart# <u>317</u> Block# <u>B</u> Lot# <u>5</u>	Owner: <u>Big Moose Harley Davidson</u>	Telephone:
Lessee/Buyer's Name (If Applicable) <u>N/A</u>	Applicant name, address & telephone: <u>Dennis Waters/Ron Merd</u> <u>Patco Construction, Inc.</u> <u>1293 Main St. Sanford 04073</u>	Cost Of Work: \$ <u>108,000.00</u> Fee: \$ <u>780.00</u>
Current use: <u>Motorcycle Dealership</u> <u>324-5574</u>		
If the location is currently vacant, what was prior use: <u>N/A</u>		
Approximately how long has it been vacant: <u>N/A</u>		
Proposed use: <u>5000 sq. ft. storage building</u>		
Project description:		
Contractor's name, address & telephone: <u>Patco Construction</u>		
Who should we contact when the permit is ready: <u>Dennis/Ron</u>		
Mailing address: <u>1293 Main St.</u> <u>Sanford, ME. 04073</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>324-5574</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>Dennis M. H. / Patco</u>	Date: <u>1/29/02</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





Sebago Technics
Engineering & Planning for the Future

October 31, 2001
01430

Marge Schmuckal, Zoning Administrator
City of Portland
389 Congress Street
Portland, ME 04101

Big Moose Harley-Davidson Dealership, Riverside Street – Minor Site Plan

B-4

Dear Marge:

Please find attached 10 copies of the minor site plan for the Big Moose Harley-Davidson motorcycle dealership's proposed 5,000 square foot building. The building is proposed to provide a storage facility for the motorcycle shop to store Harley-Davidson motorcycles seasonally on behalf of their customers. Big Moose feels that many Harley-Davidson owners need a facility to safely store their motorcycles and provide expert winter storage maintenance.

The 5,000 square foot building will be metal sided with a masonry front matching the existing store front in color and texture. The building will be located 25' from the existing structure in a parallel formation. The current site is paved, so no new impervious areas will be generated and therefore will not necessitate stormwater calculations. Because the southerly side of the existing parking lot adjacent to the proposed structure will be landscaped, there is a (decrease) in pavement and roof surface by 1,250 square feet.

80% requirement

Since the facility is just for storage, no new water or toilet facilities are needed. Three existing light poles in the parking lot where the building is to be located will be discontinued. No new lighting other than standard 100W lighting at the door entrances is anticipated on the structure. The existing electrical feed once serving the lights will provide the electrical service to the new building.

Although the existing parking is well over the requirement for parking spaces (since the site was once a Subaru dealership), five new spaces are shown directly attached with the storage use. Drainage will continue to sheet flow between the buildings and into an existing ditch between Handyman Rental and Big Moose. New paving will be laid upon completion of the structure to accommodate the new grades. The site will require an 8' high pre-load of borrow material to prepare the soil for the proposed foundation. Big Moose is anxious to start the pre-load as soon as possible so that they can begin construction in the spring of 2002. Silt fence will surround the pre-load and winter hay mulch will be spread during the winter months. The area is currently not utilized and the pre-load will not interfere with loading or accessing the rear of the existing building.

We look forward to working with the planning staff and hope to obtain approvals as soon as possible. Please feel free to contact us if you have any questions.

Sincerely,

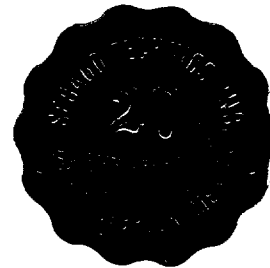
SEBAGO TECHNICS, INC.

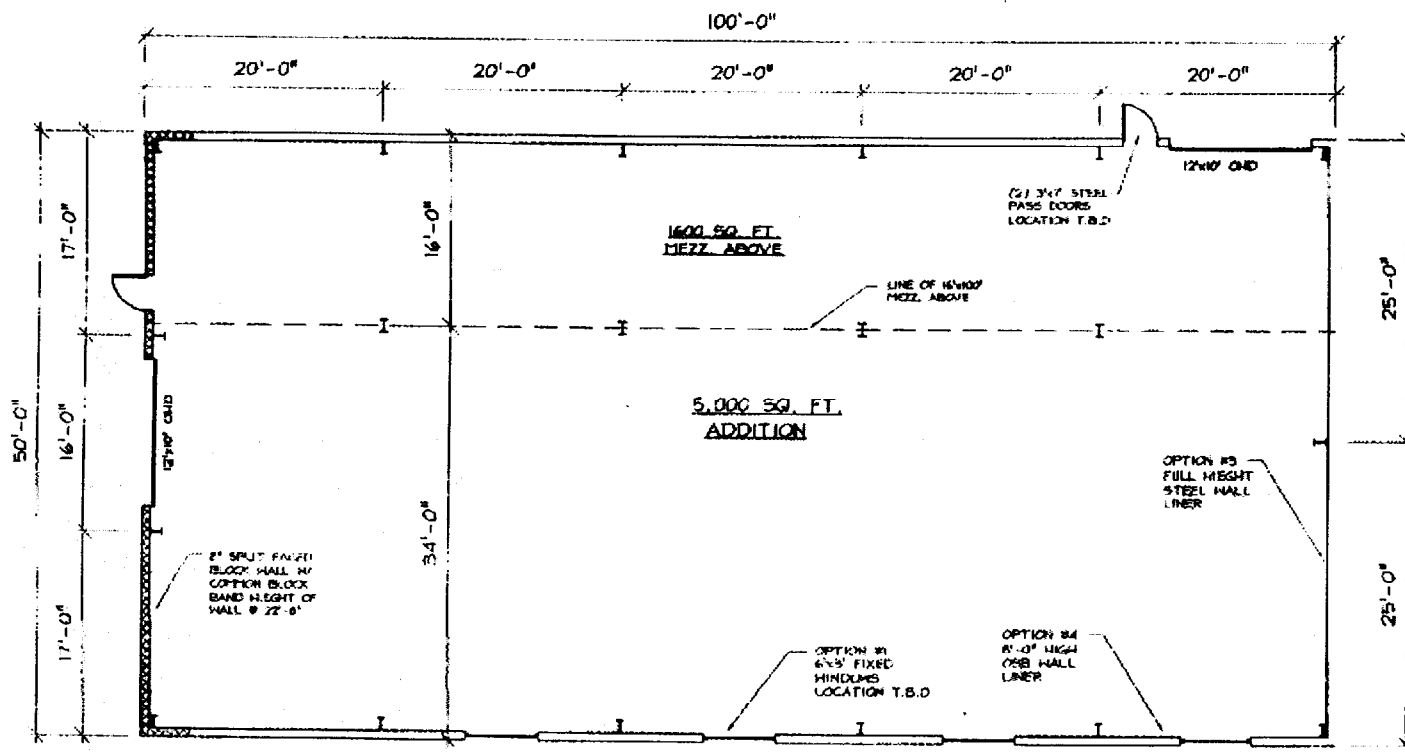
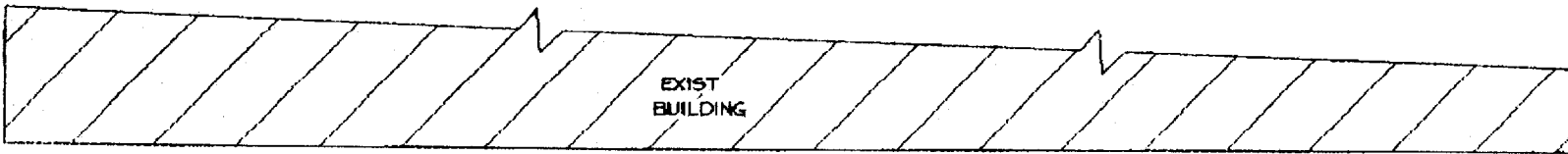


James R. Seymour
Project Engineer

JRS:jc
Enc.

cc: Dennis Waters, Patco





**BIG MOOSE
HARLEY DAVIDSON**

FLOOR PLAN
SCALE: 1/16"=1'-0"

DATE: 8/1/01

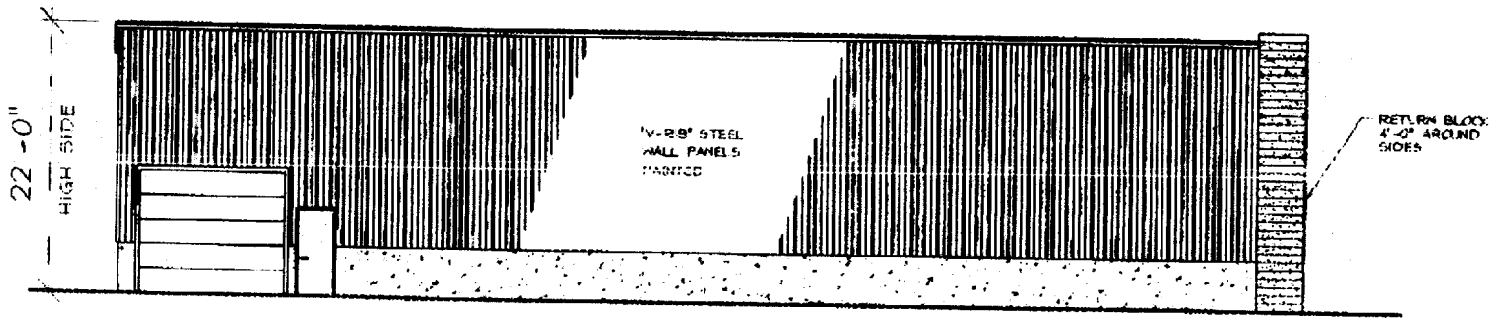
NUMBER: 01057



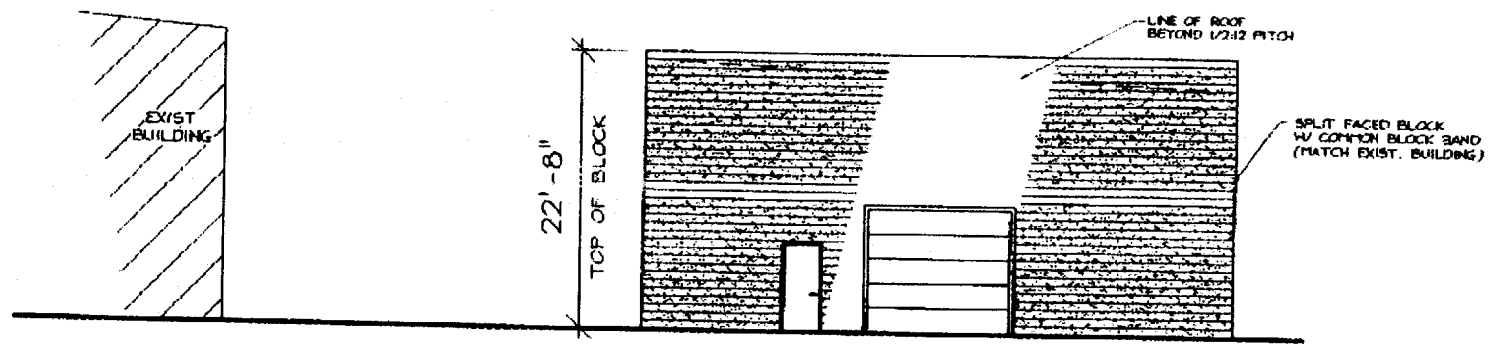
**PATCO
CONSTRUCTION INC.**

298 MAIN STREET SANFORD, ME 04073
 TEL: (207)324-5574 FAX: (207)324-1643
 www.patco-construction.com

DRWN. BY:
J.E.S.



SIDEWALL ELEVATION



ENDWALL ELEVATION

BIG MOOSE
 HARLEY DAVIDSON
 ELEVATIONS
 SCALE 1/16"=1'-0"

DATE: 8/1/01 NUMBER: 01087

PATCO
 CONSTRUCTION, INC.
 1293 MAIN STREET SANFORD, ME 04073
 TEL: (207)324-5574 FAX: (207)324-1643
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DRWN. BY
 JES

SCHEDULE A

Certain lots or parcels of land with the buildings and improvements situated thereon, located on the southeasterly side of Riverside Street in Portland, County of Cumberland and State of Maine, and being more particularly bounded and described as follows:

PARCEL ONE: Parcel Three as shown on a Plan entitled "Plot Plan for Turner Barker Associates," made by C.R. Storer, Inc., and recorded in the Cumberland County Registry of Deeds in Plan Book 96, Page 22, except the strip of land twenty-five (25) feet in width at the northeasterly end of said Parcel, said strip being shown on said Plan. Being the same premises which were conveyed to Kenneth L. Cianchette by Deed of Gardiner A. Hall et al dated January 14, 1975 and recorded in said Registry in Book 3642, Page 218, except for that portion of said premises which was conveyed by Kenneth L. Cianchette to Talma, Inc. by Deed dated February 19, 1976 and recorded in said Registry in Book 3808, Page 344.

PARCEL TWO: Beginning at the most westerly corner of Lot #445 on Plan of Riverton Home Sites dated July, 1924 and recorded in said Registry in Plan Book 16, Page 11; thence by PARCEL ONE above north 27° 10' 05" east a distance of ninety (90) feet to an iron; thence south 60° 53' 55" east a distance of one hundred (100) feet to an iron; thence south 27° 10' 05" west a distance of ninety (90) feet to an iron; thence by PARCEL ONE above north 60° 53' 55" west a distance of one hundred (100) feet to the point of beginning. Courses are magnetic, 1975. Being the same premises which were conveyed to Kenneth L. Cianchette by Deed from Harry E. Waning and Jane W. Waning dated February 25, 1976 and recorded in said Registry in Book 3811, Page 29.

Being the same premises conveyed to Marianne M. Reynolds by deed from Kenneth L. Cianchette recorded at the Cumberland County Registry of Deeds in Book 4499 Page 48.

Key Book for the Deed to 375
Riverside St. property. It is registered
with the Cumberland Co. Registry of
Deeds Book 8705 Page 31

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Zoning Copy**

2001-0298

Application I. D. Number

11/02/2001

Application Date

5000 Sq.ft. Building/storage for bikes

Project Name/Description

Big Moose Harley Davidson

Applicant

375 Riverside St., Portland, ME 04103

Applicant's Mailing Address

Sebago Technica/Jim Seymour

Consultant/Agent

Applicant Ph: (207) 797-8061 Agent Fax: (207) 856-2206

Applicant or Agent Daytime Telephone, Fax

375 - 375 Riverside St, Portland, Maine

Address of Proposed Site

317 B005001

Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail

Manufacturing Warehouse/Distribution Parking Lot Other (specify) storage facility

5000 s.f.

B4

Proposed Building square Feet or # of Units

Acreage of Site

Zoning

Check Review Required:

- | | | | |
|--|---|--|--|
| <input checked="" type="checkbox"/> Site Plan
(major/minor) | <input type="checkbox"/> Subdivision
of lots _____ | <input type="checkbox"/> PAD Review | <input type="checkbox"/> 14-403 Streets Review |
| <input type="checkbox"/> Flood Hazard | <input type="checkbox"/> Shoreland | <input type="checkbox"/> Historic Preservation | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional
Use (ZBA/PB) | <input type="checkbox"/> Zoning Variance | <input type="checkbox"/> Other _____ | |

Fees Paid: Site Plan \$400.00 Subdivision _____ Engineer Review \$300.00 Date: 01/25/2002

Zoning Approval Status:

Reviewer Marge Schmuckal

- Approved Approved w/Conditions See Attached Denied

Approval Date 02/05/2002 Approval Expiration 02/05/2003 Extension to _____ Additional Sheets Attached

Condition Compliance ~~J.P. Richardson~~ Marge Schmuckal 02/05/2002
signature date

Performance Guarantee Required* Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

<input checked="" type="checkbox"/> Performance Guarantee Accepted	01/24/2002	\$14,120.00	10/29/2002
	date	amount	expiration date
<input type="checkbox"/> Inspection Fee Paid	_____	_____	_____
	date	amount	
<input type="checkbox"/> Building Permit Issued	_____		
	date		
<input type="checkbox"/> Performance Guarantee Reduced	_____	_____	_____
	date	remaining balance	signature
<input type="checkbox"/> Temporary Certificate of Occupancy	_____	<input type="checkbox"/> Conditions (See Attached)	_____
	date		expiration date
<input type="checkbox"/> Final Inspection	_____	_____	_____
	date	signature	
<input type="checkbox"/> Certificate Of Occupancy	_____		
	date		
<input type="checkbox"/> Performance Guarantee Released	_____	_____	_____
	date	signature	
<input type="checkbox"/> Defect Guarantee Submitted	_____	_____	_____
	submitted date	amount	expiration date

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
ADDENDUM**

2001-0298

Application I. D. Number

11/02/2001

Application Date

5000 Sq.ft. Building/storage for bikes

Project Name/Description

Big Moose Harley Davidson

Applicant

375 Riverside St., Portland, ME 04103

Applicant's Mailing Address

Sebago Technics/Jlm Seymour

Consultant/Agent

Applicant Ph: (207) 797-8081 Agent Fax: 2078562206

Applicant or Agent Daytime Telephone, Fax

375 - 375 Riverside St, Portland, Maine

Address of Proposed Site

317 B006001

Assessor's Reference: Chart-Block-Lot

Approval Conditions of Planning

- 1 that the applicant provide evidence of financial capability to undertake and complete the development, which will include a letter from a responsible financial institution stating that it has reviewed the planned development and would seriously consider financing it.

Approval Conditions of DRC

- 1 The existing wheel stops along the existing building shall be removed prior to occupancy. This should be done to discourage parking between the buildings, which would interfere with traffic circulation around the new building.

Approval Conditions of Zoning

- 1 Separate permits shall be required for any new signage.
-

Application ID Number: 2-0098

Department: Zoning

Status: Approved with Conditions

Reviewer: Marge Schmuckal

Comments: 375 Riverside St

Approval Date: 02/05/2002

Given On Date: 02/01/2002

OK to Issue Permit Name: Marge Schmuckal Date: 02/05/2002

Conditions Section:

Separate permits shall be required for any new signage.

Create Date: 02/01/2002 By: gg

Update Date: 02/05/2002 By: mes

J. Seymour @ SebagoTechnic.com

Applicant: BIG Moose Harley Davidson Date: 11/6/01

Address: 375 Riverside St C-B-L: 317-B-005

CHECK-LIST AGAINST ZONING ORDINANCE

Date - Existing

Kandi's job

Zone Location - B-4

Interior or corner lot -

Proposed Use/Work - 5000 sq ft Bldg for winter storage of motorcycles
ACCESSORY to the retail sale

Sevage Disposal - City -

Lot Street Frontage - 60' min

Front Yard - 20' min - 50' +

Rear Yard - 20' min - 99.5' shown

Side Yard - 10' min - 40' shown
consider 2 story max 12' high

Projections - None

Width of Lot - 60' - 100' +

Height - 65' max - 23' shown

open space: ~~75 x 240~~

$95 \times 240 = 22,800$

$25 \times 310 = 7,750$

Lot Area - 10,000 sq ft min - 121,839 sq ft per assess.

less than 806 sq ft

Lot Coverage/ Impervious Surface - 80% max - 97,471.2 sq ft max

30,550 sq ft

Area per Family - N/A

24,367.8 sq ft open spc.
min open

OK just along side & rear

Off-street Parking - 5 new just with this storage (10,000)

Loading Bays - 1 shown

Site Plan - minor #2001-0298

Shoreland Zoning/ Stream Protection - N/A

Flood Plains - Panel 6 - Zone X

5000
7920
600
6140

FAR

Floor Area Ratio

65 req

$\frac{\text{TOTAL Floor Area}}{\text{total land area}} = \frac{19660}{121,839} = .162$

$\frac{19660}{121,839} = .162$

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
Planning Copy**

2001-0298
Application I. D. Number

11/02/2001
Application Date

5000 Sq.ft. Building/storage for bikes
Project Name/Description

Big Moose Harley Davidson
Applicant
375 Riverside St., Portland, ME 04103
Applicant's Mailing Address
Sebago Technics/Jim Seymour
Consultant/Agent
Applicant Ph: (207) 797-6061 Agent Fax: (207) 856-2206
Applicant or Agent Daytime Telephone, Fax

375 - 375 Riverside St, Portland, Maine
Address of Proposed Site
317 B005001
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) **storage facility**

5000 s.f Proposed Building square Feet or # of Units **B4** Zoning
Acreage of Site

Check Review Required:

- | | | | |
|---|--|--|--|
| <input checked="" type="checkbox"/> Site Plan (major/minor) | <input type="checkbox"/> Subdivision # of lots _____ | <input type="checkbox"/> PAD Review | <input type="checkbox"/> 14-403 Streets Review |
| <input type="checkbox"/> Flood Hazard | <input type="checkbox"/> Shoreland | <input type="checkbox"/> Historic Preservation | <input type="checkbox"/> DEP Local Certification |
| <input type="checkbox"/> Zoning Conditional Use (ZBA/PB) | <input type="checkbox"/> Zoning Variance | <input type="checkbox"/> Other _____ | |

Fees Paid: Site Plan **\$400.00** Subdivision _____ Engineer Review **\$300.00** Date **01/25/2002**

Planning Approval Status:

Reviewer **Kandi Talbot**

- Approved **Approved w/Conditions** See Attached Denied

Approval Date **11/21/2001** Approval Expiration **11/21/2002** Extension to _____ Additional Sheets Attached
 OK to Issue Building Permit **Kandi Talbot** **01/31/2002**
signature date

Performance Guarantee **Required*** Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

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<input type="checkbox"/> Inspection Fee Paid	_____ date	_____ amount	
<input type="checkbox"/> Building Permit Issue	_____ date		
<input type="checkbox"/> Performance Guarantee Reduced	_____ date	remaining balance	_____ signature
<input type="checkbox"/> Temporary Certificate of Occupancy	_____ date	<input type="checkbox"/> Conditions (See Attached)	_____ expiration date
<input type="checkbox"/> Final Inspection	_____ date	_____ signature	
<input type="checkbox"/> Certificate Of Occupancy	_____ date		
<input type="checkbox"/> Performance Guarantee Released	_____ date	_____ signature	
<input type="checkbox"/> Defect Guarantee Submitted	_____ submitted date	_____ amount	_____ expiration date
<input type="checkbox"/> Defect Guarantee Released	_____ date	_____ signature	

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
ADDENDUM**

2001-0298

Application I. D. Number

Big Moose Harley Davidson

Applicant

11/02/2001

Application Date

375 Riverside St., Portland, ME 04103

Applicant's Mailing Address

5000 Sq.ft. Building/storage for bikes

Project Name/Description

Sebago Technics/Jim Seymour

Consultant/Agent

375 - 375 Riverside St, Portland, Maine

Address of Proposed Site

Applicant Ph: (207) 797-6061

Agent Fax: 2078562206

317 B005001

Applicant or Agent Daytime Telephone, Fax

Assessor's Reference: Chart-Block-Lot

Approval Conditions of Planning

- 1 that the applicant provide evidence of financial capability to undertake and complete the development, which will include a letter from a responsible financial institution stating that it has reviewed the planned development and would seriously consider financing it.

Approval Conditions of DRC

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**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
DRC Copy**

2001-0298
Application I. D. Number
11/02/2001
Application Date
5000 Sq.ft. Building/storage for bikes
Project Name/Description

Big Moose Harley Davidson
Applicant
375 Riverside St., Portland, ME 04103
Applicant's Mailing Address
Sebago Technics/Jim Seymour
Consultant/Agent
Applicant Ph: (207) 797-6061 Agent Fax: (207) 856-2206
Applicant or Agent Daytime Telephone, Fax

375 - 375 Riverside St, Portland, Maine
Address of Proposed Site
317 B005001
Assessor's Reference: Chart-Block-Lot

Proposed Development (check all that apply): New Building Building Addition Change Of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Parking Lot Other (specify) **storage facility**

5000 s.f Proposed Building square Feet or # of Units _____ Acreage of Site _____ **B4** Zoning

Check Review Required:

- Site Plan (major/minor) Subdivision # of lots _____ PAD Review 14-403 Streets Review
- Flood Hazard Shoreland Historic Preservation DEP Local Certification
- Zoning Conditional Use (ZBA/PB) Zoning Variance Other _____

Fees Paid: Site Plan **\$400.00** Subdivision _____ Engineer Review **\$300.00** Date **01/25/2002**

DRC Approval Status:

Reviewer **Jay Reynolds**

- Approved Approved w/Conditions See Attached Denied

Approval Date **11/21/2001** Approval Expiration **11/21/2002** Extension to _____ Additional Sheets Attached
 Condition Compliance **Jay Reynolds** signature **11/21/2001** date

Performance Guarantee Required* Not Required

* No building permit may be issued until a performance guarantee has been submitted as indicated below

<input checked="" type="checkbox"/> Performance Guarantee Accepted	01/24/2002 date	\$14,120.00 amount	10/29/2002 expiration date
<input type="checkbox"/> Inspection Fee Paid	_____ date	_____ amount	
<input type="checkbox"/> Building Permit Issue	_____ date		
<input type="checkbox"/> Performance Guarantee Reduced	_____ date	_____ remaining balance	_____ signature
<input type="checkbox"/> Temporary Certificate of Occupancy	_____ date	<input type="checkbox"/> Conditions (See Attached)	_____ expiration date
<input type="checkbox"/> Final Inspection	_____ date	_____ signature	
<input type="checkbox"/> Certificate Of Occupancy	_____ date		
<input type="checkbox"/> Performance Guarantee Released	_____ date	_____ signature	
<input type="checkbox"/> Defect Guarantee Submitted	_____ submitted date	_____ amount	_____ expiration date
<input type="checkbox"/> Defect Guarantee Released	_____ date	_____ signature	

**CITY OF PORTLAND, MAINE
DEVELOPMENT REVIEW APPLICATION
PLANNING DEPARTMENT PROCESSING FORM
ADDENDUM**

2001-0298

Application I. D. Number

11/02/2001

Application Date

5000 Sq.ft. Building/storage for bikes

Project Name/Description

Big Moose Harley Davidson

Applicant

375 Riverside St., Portland, ME 04103

Applicant's Mailing Address

Sebago Technics/Jim Seymour

Consultant/Agent

Applicant Ph: (207) 797-6061 Agent Fax: 2078562206

Applicant or Agent Daytime Telephone, Fax

375 - 375 Riverside St, Portland, Maine

Address of Proposed Site

317 B005001

Assessor's Reference: Chart-Block-Lot

Approval Conditions of Planning

- 1 that the applicant provide evidence of financial capability to undertake and complete the development, which will include a letter from a responsible financial institution stating that it has reviewed the planned development and would seriously consider financing it.

Approval Conditions of DRC

- 1 The existing wheel stops along the existing building shall be removed prior to occupancy. This should be done to discourage parking between the buildings, which would interfere with traffic circulation around the new building.
-

Department of Planning and Urban Development
SUBDIVISION/SITE DEVELOPMENT

COST ESTIMATE OF IMPROVEMENTS TO BE COVERED BY PERFORMANCE GUARANTEE

Date: 12/4/01

Name of Project: BIG MOOSE HARLEY-DAVIDSON - BUILDING ADDITION

Address/Location: 375 RIVERSIDE ST. PORTLAND, ME

Developer/CONTRACTOR: PATCO CONSTRUCTION INC.

Form of Performance Guarantee: Letter of credit

Type of Development: Subdivision _____ Site Plan (Major/Minor) MINOR

TO BE FILLED OUT BY THE APPLICANT:

Item	PUBLIC			PRIVATE		
	Quantity	Unit Cost	Subtotal	Quantity	Unit Cost	Subtotal
1. STREET/SIDEWALK						
Road / PAVEMENT				<u>220 T</u>	<u>\$40/T</u>	<u>\$8800.-</u>
Granite Curbing						
Sidewalks						
Esplanades						
Monuments						
Street Lighting						
Street Opening Repairs						
Other						
2. EARTH WORK						
Cut						
Fill						
3. SANITARY SEWER						
Manholes						
Piping						
Connections						
Main Line Piping						
House Sewer Service Piping						
Pump Stations						
Other						
4. WATER MAINS						
5. STORM DRAINAGE						
Manholes						
Catchbasins						
Piping						
Detention Basin						
Stormwater Quality Units						
Other						

PUBLIC IMPROVEMENTS REQUIRED

NO

6. SITE LIGHTING

450 EA.

1800-

7. EROSION CONTROL

- Silt Fence
- Check Dams
- Ripe Inlet/Outlet Protection
- Level Lip Spreader
- Slope Stabilization
- Geotextile
- Hay Bale Barriers
- Catch Basin Inlet Protection

380 LF

\$4/LF

1520-

8. RECREATION AND OPEN SPACE AMENITIES

9. LANDSCAPING
(Attach breakdown of plant materials, quantities, and unit costs)

8 AUSTRIAN \$250 EA \$2000.00
PINES (6-7)

10. MISCELLANEOUS

TOTAL:

\$14,120.-

GRAND TOTAL:

\$14,120.⁰⁰

NO PUBLIC IMPROVEMENTS

REQUIRED

INSPECTION FEE (to be filled out by the City)

	<u>PUBLIC</u>	<u>PRIVATE</u>	<u>TOTAL</u>
A: 2.0% of totals:	_____	_____	_____
or			
B: Alternative Assessment:	_____	_____	_____
Assessed by:	_____	_____	_____
	(name)	(name)	

2001-00918

Site Review Pre-Application
Multi-Family/Attached Single Family Dwellings/Two-Family Dwelling
or Commercial Structures and Additions Thereto

In the interest of processing your application in the quickest possible manner, please complete the Information below for Site Plan Review

NOTE**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.

BIG MOOSE HARLEY DAVIDSON

10/31/01

Applicant
375 RIVERSIDE ST. PORTLAND

Application Date
MOTORCYCLE - STORAGE BUILDING

Applicant's Mailing Address
SEBAGO TECHNICS INC

Project Name/Description
375 RIVERSIDE ST.

Consultant/Agent
C/O JIM SEYMOUR 856-0277 TEL
856-2206 FAX

Address Of Proposed Site
MAP (317) BLOCK (B) LOT (5)

Applicant/Agent Daytime telephone and FAX

Assessor's Reference, Chart#, Block, Lot#

Proposed Development (Check all that apply) New Building Building Addition Change of Use Residential Office Retail
 Manufacturing Warehouse/Distribution Other(Specify) _____

5000 SF
Proposed Building Square Footage and /or # of Units

2.8[±] AC
Acreage of Site

~~I-M~~ B-4
Zoning

You must Include the following with you application:

- 1) A Copy of Your Deed or Purchase and Sale Agreement
- 2) 7 sets of Site Plan packages containing the information found in the attached sample plans and checklist. 2 extra Site Plans

(Section 14-522 of the Zoning Ordinance outlines the process, copies are available for review at the counter, photocopies are \$ 0.25 per page)

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/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if an approval for the proposed project or use 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 approval at any reasonable hour to enforce the provisions of the codes applicable to this approval.

Signature of applicant: James R. Seymour Date: 10/31/01

Site Review Fee: Major \$500.00 Minor 400.00

This application is for site review ONLY, a Building Permit application and associated fees will be required prior to construction.

**VP BUILDINGS, INC.**273 Water Street
Evansville, WI 53536**Facsimile Cover Sheet**

To:	Bill Rudman
Company:	Patco Construction
Fax:	207-342-1643
From:	David Cockrum
Company:	VP Buildings, Inc.
Phone:	(608) 882-5001 Ext. 209
Fax:	(608) 882-2364
Date:	2/12/02
Pages including this cover page:	3
Subject:	WI0115377-01CE1

MESSAGE:

The building for Big Moose Harley-Davidson, which was originally designed for 1996 B.O.C.A. has been found adequate to meet or exceed 1999 B.O.C.A. loading.



LETTER OF CERTIFICATION

Date: 02/12/2002

Time: 2:02 PM

Page: 1 of 2

Contact: Bill
Name: PATCO Construction Inc
Address: 1293 Main St.

Project: Big Moose Harley -Davidson
Reference: Big Moose Harley.vpc
Jobsite: 375 Riverside

City, State: Sanford, Maine 04073
Country: United States

City, State: Portland, Maine 04103
County, Country: Cumberland, United States

This is to certify that the above referenced VP BUILDINGS project has been designed for the applicable portions of the following Building Code and in accordance with the order documents which have stipulated the following applied environmental loads and conditions:

Overall Building Description

Shape	Overall Width	Overall Length	Floor Area (sq. ft.)	Wall Area (sq. ft.)	Roof Area (sq. ft.)	Max. Eave Height	Min. Eave Height 2	Max. Roof Pitch	Min. Roof Pitch	Peak Height
Big Moose Harley	50/0/0	100/0/0	5000	6287	5004	22/0/0	19/11/0	0.500:12		

Loads and Codes - Shape: Big Moose Harley

City: Portland County: Cumberland
Building Code: BOCA - 1999 - National Building Code
Building Use: Standard Occupancy Structures

State: Maine
Built Up: 89AISC
Cold Form: 96AISI

Country: United States
Rainfall: 4.00 in per hour
Allow. Overstress:
Frm: 1.03, Sec: 1.03, Br: 1.03

Dead and Collateral Loads

Collateral Gravity: 1.00 psf
Collateral Uplift: 0.00 psf

Roof Covering + Second. Dead Load: 2.44 psf
Frame Weight (assumed for seismic): 2.50 psf

Live Load

Live Load: 20.00 psf Reducible
L.L. for Below Eave Canopy: N/A

Wind Load

Wind Speed: 90.00 mph
Primary Wind Exposure (Factor): B (0.427)
Parts Wind Exposure (Factor): C (0.881)
Wind Enclosure: Enclosed
Wind Importance Factor: 1.094
Distance to Coast: 6.0 Miles
Base Elevation: 0/0/0
Primary Zone Strip Width: N/A
Parts / Portions Zone Strip Width: 5/0/0
Basic Wind Pressure: 9.68, (Parts) 19.99 psf
Moment-Resisting Frame System Ordinary Steel Frames (R=4.5 Cd= 4.0)
Building Frame System Concentrically Braced Frames (R=5.0 Cd= 4.5)
Analysis Procedure 1610.4 used

Snow Load

Ground Snow Load: 70.00 psf
Design Snow (Sloped): 49.00 psf
Snow Exposure Category (Factor): 2 (1.00)
Snow Importance: 1.000
Thermal Category (Factor): Heated (1.00)
Ground / Roof Conversion: 0.70
% Snow Used in Seismic: 20.00
Seismic Snow Load: 9.80 psf

Seismic Load

Seismic Hazard / Use Group: Group 1
Seismic Importance: 1.000
Seismic Performance / Design Category: C
Framing Seismic Period: 0.5828
Bracing Seismic Period: 0.3330
A_v: 0.1000, A_v: 0.1000
Frame Seismic Factor (Cs): 0.0556
Brace Seismic Factor (Cs): 0.0500

Per Article 2.9 in the Builder Agreement, VP Buildings assumes that the Builder has called the local Building Official or Project Engineer to obtain all code and loading information for this specific building site.

The steel design is in accordance with VP BUILDINGS standard design practices, which have been established based upon pertinent procedures and recommendations of the following organizations :

- American Institute of Steel Construction (AISC)
- American Iron and Steel Institute (AISI)
- American Welding Society (AWS) [D1.1]
- American Society for Testing and Materials (ASTM)
- Metal Building Manufacturers Association (MBMA)
- AISC Category MB Manufacturer Certification.

This certification DOES NOT apply to the design of the foundation or other on-site structures or components not supplied by VP BUILDINGS, nor does it apply to unauthorized modifications to racking systems provided by VP BUILDINGS.

Furthermore, it is understood that certification is based upon the premise that all components furnished by VP BUILDINGS will be erected or constructed in strict compliance with pertinent documents furnished by VP BUILDINGS.

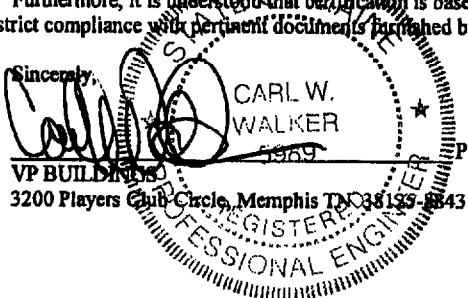
Sincerely,

CARL W. WALKER
1969

P.E. Prepared by: DXC

Reviewed by: _____

VP BUILDINGS
3200 Players Club Circle, Memphis TN 38129-8843





LETTER OF CERTIFICATION

Date: 02/12/2002

Time: 2:02 PM

Page: 2 of 2

The Structural Design and/or Manufacture of this VP BUILDINGS building will be or has been at one of the following VP Buildings locations:

Rainesville, AL.....VP Alabama Plant.....[Manufacture Only]
 Memphis, TN.....VP Headquarters.....[Design Only]
 Pine Bluff, AR.....VP Arkansas Service Center.....[Design and Manufacture]
 Turlock, CA.....VP California Service Center.....[Design and Manufacture]
 St. Joseph, MO.....VP Missouri Service Center.....[Design and Manufacture]
 Kernersville, NC...VP North Carolina Service Center.[Design and Manufacture]
 VanWert, OH.....VP Ohlo Service Center.....[Design and Manufacture]
 Evansville, WI.....VP Wisconsin Service Center.....[Design and Manufacture]

Additional Structural Material may be fabricated and provided for use in a VP Buildings building by one of the following fabricators:

BAR JOISTS-

SMI, Inc. Hopc, AR
 Hancock Salem, VA
 Canam Washington, MO
 Vulcraft Grapeland, TX
 Vulcraft Norfolk, NE
 Vulcraft Florence, SC
 Vulcraft Brigham City, UT
 ISP El Paso, TX
 Socar Florence, SC
 Quincy Quincy, FL

(This information is presented in compliance with VP Building's AISC Certification responsibilities.)

375 Riverick St

2/8/02 Pre-con w/ contractors and Jay Reynolds,
Dev-Per Coordinator. Questions on electricity
to proposed building. A.C.

facsimile transmittal

To: Dennis Water From: Mike Nugent
Fax: (207)324-1643 Date: February 11, 2002
Phone: (207)324-5574 Pages: 5
Re: Bull Mosse Plans (317 B005) CC:

Urgent For Review Please Comment Please Reply Please Recycle

Notes: I have commenced the review of the plans and need the following prior to the issuance of either the foundation permit or the structure permit:

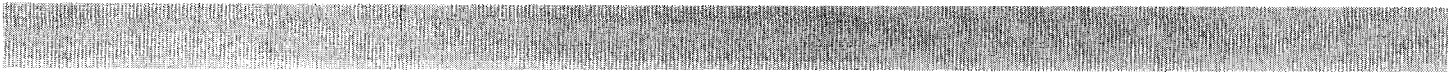
- 1) It appears that the Mezzanine is not accounted for in the original steel plans from VP buildings. Does this additional load affect the size, spacing or design of these components as well as their footings/foundation.
- 2) The Certification docs do not reflect compliance with the 1999 BOCA code but the 1996.
- 3) Is the 6 inch thickness of unreinforced concrete in details "d" and "a" of the foundation Code compliant? I find no foundation wall thicknesses of less that 7.5 inches in Section 1812 of BOCA

The Following are preliminary questions to commence review of the structure:

- 1) The " Mezzanine" exceeds the 1/3 floor area ration and must be treated as a separate floor.



•
2) There are not wall or guard details.
•
•
•
•



~~3) There are no Stair details.~~

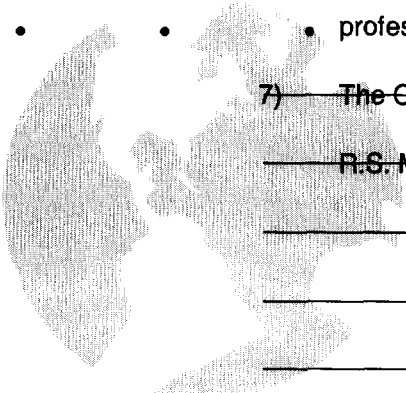
~~4) A second means of egress if required for this "mezzanine"~~

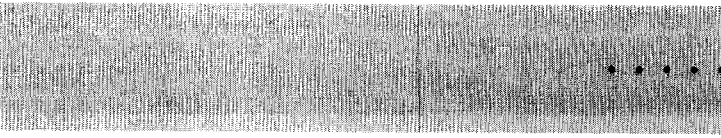
~~5) There are hand drawn modifications for overhead door relocations. Were these done by the design professional?~~

~~6) Attached is Section 1705. Special Inspections. Please have your design~~

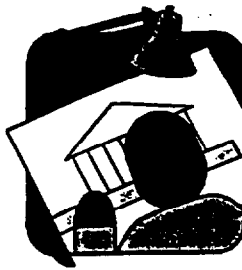
• professional file the required statement of special inspection. • •

~~7) The Construction Cost of \$108,000, or 21.60 per sq. ft. is less than 1/3 of the R.S. Means estimates. Please justify this number.~~





• • • • •



CITY OF PORTLAND MAINE

389 Congress St., Rm 315
Portland, ME 04101
Tel. - 207-874-8704
Fax - 207-874-8716

TO: Inspector of Buildings City of Portland, Maine
Planning & Urban Development
Division of Housing & Community Services

FROM DESIGNER: JOHN W. EINSIEDLER, R.A.

DATE: JANUARY 28, 2002

Job Name: BIG MOOSE HARLEY - COLD STORAGE BLDG.

Address of Construction: 375 RIVERSIDE ST. PORTLAND

THE BOCA NATIONAL BUILDING CODE/1999 Fourteenth EDITION

Construction project was designed according to the building code criteria listed below:

Building Code and Year BOCA '96 VALLO PRUDEN Use Group Classification(s) S2

Type of Construction 5B - NOTE TYPE 2 Bldg. Height 19'-11" → 22'-0" Bldg. Sq. Footage 5000 SF 1ST
EXCEPT MEZZANINE PER AYMD 1600 SF MEZZANINE

Seismic Zone 2a Group Class GROUP 1

Roof Snow Load Per Sq. Ft. 49 + 1 COLLATERAL Dead Load Per Sq. Ft. PER VALLO PRUDEN

Basic Wind Speed (mph) 90 mph Effective Velocity Pressure Per Sq. Ft. 207B

Floor Live Load Per Sq. Ft. 125 psf

Structure has full sprinkler system? Yes No Alarm System? Yes No
Sprinkler & Alarm systems must be installed according to BOCA and NFPA Standards with approval from the Portland Fire Department.

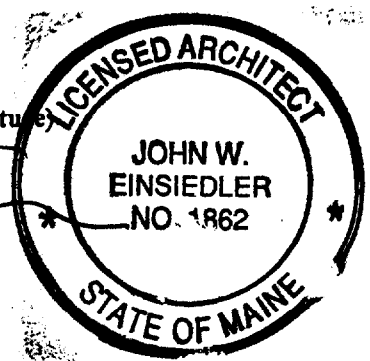
Is structure being considered unlimited area building: Yes No

If mixed use, what subsection of 313 is being considered _____

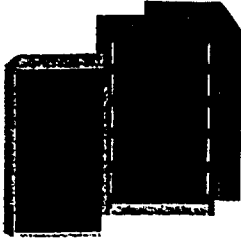
List Occupant loading for each room or space, designed into this Project.
300 SF GROSS / OCCUPANT = 22 PEOPLE

PSH 6/07/2K

(Designers Stamp & Signature)



STRUCTURE
PER
VALLO PRUDEN



**CITY OF PORTLAND
BUILDING CODE CERTIFICATE**
389 Congress St., Rm 315
Portland, ME 04101

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Service

FROM: JOHN W. EINSIEDLER, R.A.

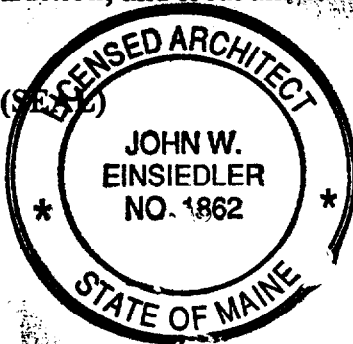
RE: Certificate of Design

DATE: JANUARY 28, 2002

These plans and/or specifications covering construction work on:

BIG MOOSE HARLEY - COLD STORAGE BLDG.

^{REVIEWED}
Have been designed and drawn up by the undersigned, a Maine registered architect/engineer according to the BOCA National Building Code/1999 Fourteenth Edition, and local amendments.



Signature [Handwritten Signature]

Title ARCHITECT

Firm JOHN W. EINSIEDLER, R.A.

Address 148 SEA ROAD
KENNEBUNK, ME 04043

As per Maine State Law:

\$50,000.00 or more in new construction, repair, expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.



City of Portland, Maine

389 Congress St., Rm 315
Portland, ME 04101

ACCESSIBILITY CERTIFICATE

TO: Inspector of Buildings City of Portland, Maine
Department of Planning & Urban Development
Division of Housing & Community Services

FROM: JOHN W. EINSIEDLER

RE: Certificate of Design, HANDICAP ACCESSIBILITY

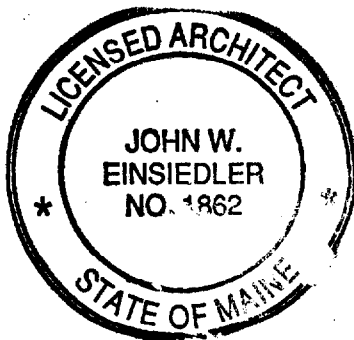
DATE: JANUARY 28, 2002

These plans and/or specifications covering construction work on:

BIG MOOSE HARLEY - COLD STORAGE BLDG.
375 RIVERSIDE ST. PORTLAND

Have been designed and drawn up by the undersigned, a Maine registered engineer/architect according to State Regulations as adopted by the State of Maine on Handicapped Accessibility.

(SEAL)



Signature [Handwritten Signature]

Title ARCHITECT

Firm JOHN W. EINSIEDLER, R.A.

Address 143 SEA BOND
KENNEBUNK, ME

04043



P A T C O

CONSTRUCTION, INC.

February 11, 2002

Mike Nugent
Building Inspection Dept.
City of Portland
389 Congress St.
Portland, ME 04101

Re: Big Moose Harley, Riverside St. (317 B005)

Dear Mike:

In response to your fax dated February 11, 2002, we submit the following:

Needs

1. The mezzanine is part of the pre-engineered building that is to be engineered, manufactured and delivered by V.P. Buildings, Inc. V.P. will provide support beams, columns, bar joists and any necessary "beef-up" to the structure to support the mezzanine load.
 - We will provide a V.P. drawing showing mezzanine framing.
2. We will provide certification from V.P. to show compliance with Boca 1999 code.
3. Details "D" and "A" on the foundation plan does show a portion that is to be 6" thick and unreinforced. The portion that is to be 6" thick is only a +/- 12" long "notch" to allow the sidewall columns to be set on the foundation pier. This portion of the wall is completely above grade inside and outside. Typical wall section "I-I" show six rows of horizontal rebar. These runs will be continuous through the entire wall.

Questions

1. We will discuss the "mezzanine" exceeding the 1/3 floor area with the building owner and our architect. One possible solution is to eliminate one bay of the mezzanine to reduce the size.
 - We will submit revised plan(s).

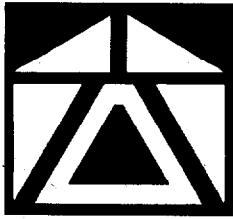
2. No interior walls were planned for the inside of the storage building.
We will submit detail for guardrail at the exposed edge of the mezzanine.
3. We will submit stair detail.
4. See #1.
5. Any hand drawn modifications (including OHD relocations) were done by design professionals at V.P. Buildings, Inc. This is their common practice for some details and late changes.
6. We will file the required statement of special inspection.
7. The building will be used for cold storage. Our price is for a building shell (foundation, slab, metal building, overhead doors and pass doors) and does not include a heat, interior finish, etc., at this time. A price of \$20.00 per sq. ft. (or less) for a pre-engineered metal building shell in this area is the current competitive rate.

We will forward the above listed information as soon as possible.
I hope that this response is sufficient to release the foundation permit.
Please call with any questions.

Sincerely,

Dennis M. Waters
Vice President

DMW/cmp



P A T C O

CONSTRUCTION, INC.

February 28, 2002

Mike Nugent
Building Inspection Dept.
City of Portland
389 Congress St.
Portland, ME 04101

Re: Big Moose Harley, Riverside St. (317 B005)

Dear Mike:

In response to your fax dated February 11, 2002, we submit the following:

Needs

1. The mezzanine is part of the pre-engineered building that is to be engineered, manufactured and delivered by V.P. Buildings, Inc. V.P. will provide support beams, columns, bar joists and any necessary "beef-up" to the structure to support the mezzanine load.
Attached please find:
 - Structural design data, stamped 12/18/01 (mezzanine loading highlighted)
 - V. P. cover sheet (mezzanine loading specs)
 - V. P. Sheet SP1 (mezzanine detail sheet)
2. Attached please find V. P. Buildings letter of certification (3 pages), re: compliance with BOCA 99.
3. Details "D" and "A" on the foundation plan does show a portion that is to be 6" thick and unreinforced. The portion that is to be 6" thick is only a +/- 12" long "notch" to allow the sidewall columns to be set on the foundation pier. This portion of the wall is completely above grade inside and outside. Typical wall section "I-I" show six rows of horizontal rebar. These runs will be continuous through the entire wall.

Questions

1. We have reduced the proposal size of the mezzanine by one (1) "bay". The mezzanine is now 1,640 sq. ft., which is less than 1/3 of the 5,000 sq. ft. first floor. See sheet A-1 attached.
2. No interior walls were planned for the inside of the storage building.
- See sheet A-1 for guard rail detail.
3. See sheet A-1 for stair detail.
4. Second means of egress not required.
5. Any hand drawn modifications (including OHD relocations) were done by design professionals at V.P. Buildings, Inc. This is their common practice for some details and late changes.
6. Statement of special inspection (Sect. 1205) to be submitted separately.
7. The building will be used for cold storage. Our price is for a building shell (foundation, slab, metal building, overhead doors and pass doors) and does not include a heat, interior finish, etc., at this time. A price of \$20.00 per sq. ft. (or less) for a pre-engineered metal building shell in this area is the current competitive rate.

I hope that this response is sufficient to release the building permit.
Please call with any questions.

Sincerely,

Dennis M. Waters
Vice President

DMW/cmp

From: Marge Schmuckal
To: Kandi Talbot
Subject: Big Moose Harley- 375 Riverside St

Kandi,

I have reviewed the submitted site plan for Big Moose Harley. It is located within the B-4 zone not the I-M zone.

All setbacks are being met. The height requirements are being met. Parking requirements are being met. The maximum 80% impervious surface requirement is being met. I did some quick figures just of the partial lot plan that we have, and that portion (without adding in open frontage areas) are more than meeting the impervious surface requirements. Also the F.A.R. (floor area ratio) is more than being met.

Zoning is being met on this proposal. - Marge

CC: Internet@jseymour@sebagotechnics.com; Sarah Hopk...



VP Buildings, Inc.

3200 Players Club Circle
Memphis, TN 38125-8843

STRUCTURAL DESIGN DATA

Project: Big Moose Harley-Davidson
Name: WI0115377-01OE1
Reference: Big Moose Harley.vpc
Jobsite: 375 Riverside

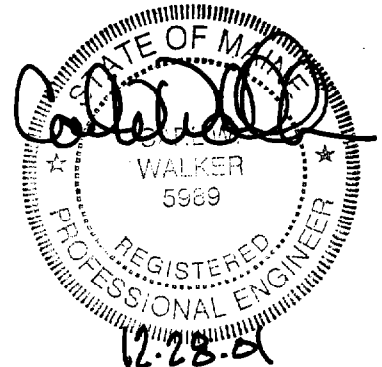
City, State: Portland, Maine 04103
County: Cumberland
Country: United States

TABLE OF CONTENTS

Building Loading - Expanded Report.....	2
Reactions - Expanded Report.....	9

Designed by David Cockrum, EIT

*MEZZANINE Loading
included (see pages 6,7,8)*





DESIGN LOADS AND REACTIONS

Date: 12/21/2001

Time: 2:36 PM

Page: 2 of 27

Building Loading - Expanded Report

Shape : Big Moose Harley

Loads and Codes - Shape: Big Moose Harley

City: Portland County: Cumberland

Building Code: BOCA - 1996 - National Building Code

Building Use: Standard Occupancy Structures

Allow. Overstress: Frm: 1.03, Sec: 1.03, Brc: 1.03

State: Maine

Country: United States

Built Up: 89AISC

Cold Form: 89AISI

Rainfall: 4.00 in per hour

Dead and Collateral Loads

Collateral Gravity: 1.00 psf

Collateral Uplift: 0.00 psf

Frame Weight (assumed for seismic): 2.50 psf

Side	Type	Mag	Units	Shape	Applied to	Description
A	D	2.437	psf	Entire	Frm	Covering Weight - 24 SSR + Secondary Weight 1.31 - Roof: A
A	D	1.130	psf	Entire	Pur	Covering Weight - 24 SSR - Roof: A

Live Load

Live Load: 20.00 psf Reducible

LL for Below Eave Canopy: N/A

Wind Load

Wind Speed: 90.00 mph

Wind Enclosure: Enclosed

Height Used: 20/11/8 (Type: Mean)

Base Elevation: 0/0/0

Primary Zone Strip Width: N/A

Velocity Pressure: (qz) 22.68 psf

Primaries

Primaries Wind Exposure (Factor): B (0.427)

Basic Wind Pressure: 9.68 psf

Gust Factor: 1.5789

Wind Importance Factor: 1.046

Least Horiz. Dimension: 50/0/0

Distance to Coast: 6.0 Miles

Parts / Portions Zone Strip Width: 5/0/0

qz = 0.00256 * (1.05 * 90.00)^2 * (1.00)

Parts and Portions

Parts Wind Exposure (Factor): C (0.881)

Basic Wind Pressure: 19.99 psf

Snow Load

Ground Snow Load: 70.00 psf

Design Snow (Sloped): 49.00 psf

Snow Importance: 1.000

Ground / Roof Conversion: 1.00

Snow Exposure Category (Factor): 3 (0.70)

Rain Surcharge: 0.00

Slope Reduction: 1.00

Slope Used: 2.386 (0.500:12)

Seismic Load

Seismic Hazard / Use Group: Group 1

Seismic Performance / Design Category: C

Aa: 0.1000, Av: 0.1000

Seismic Importance: 1.000

Frame Seismic Factor (Cs): 0.0556

Brace Seismic Factor (Cs): 0.0500

Moment-Resisting Frame System Ordinary Steel Frames (R=4.5 Cd= 4.0)

Building Frame System Concentrically Braced Frames (R=5.0 Cd= 4.5)

Analysis Procedure 1610.4 used

Seismic Snow Load: 9.80 psf

Soil Factor 2.00

Framing Seismic Period: 0.5828

Bracing Seismic Period: 0.3330

Side	Type	Mag	Units	Shape	Applied to	Description
1	E	0.161	psf	Spec	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.96 - Wall: 1
1	E	0.161	psf	Spec	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.96 - Wall: 1
1	E	0.161	psf	Spec	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.96 - Wall: 1
1	E	0.161	psf	Spec	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.96 - Wall: 1
1	E	0.145	psf	Spec	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.96 - Wall: 1
1	E	0.145	psf	Spec	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.96 - Wall: 1
1	E	0.145	psf	Spec	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.96 - Wall: 1
1	E	0.145	psf	Spec	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.96 - Wall: 1
1	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 1
1	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 1
1	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 1
1	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 1
1	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 1
1	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 1
1	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 1
1	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 1
2	E	0.102	psf	Rect	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 0.89 - Wall: 2



DESIGN LOADS AND REACTIONS

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2	E	0.102	psf	Rect	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 0.89 - Wall: 2
2	E	0.102	psf	Rect	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 0.89 - Wall: 2
2	E	0.102	psf	Rect	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 0.89 - Wall: 2
2	E	0.092	psf	Rect	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 0.89 - Wall: 2
2	E	0.092	psf	Rect	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 0.89 - Wall: 2
2	E	0.092	psf	Rect	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 0.89 - Wall: 2
2	E	0.092	psf	Rect	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 0.89 - Wall: 2
2	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 2
2	E	3.056	psf	Entire	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry + Secondary Weight 0.00 - Wall: 3
3	E	2.750	psf	Entire	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry + Secondary Weight 0.00 - Wall: 3
4	E	0.114	psf	Rect	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.10 - Wall: 4
4	E	0.114	psf	Rect	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.10 - Wall: 4
4	E	0.114	psf	Rect	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.10 - Wall: 4
4	E	0.114	psf	Rect	Frm	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.10 - Wall: 4
4	E	0.102	psf	Rect	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.10 - Wall: 4
4	E	0.102	psf	Rect	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.10 - Wall: 4
4	E	0.102	psf	Rect	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.10 - Wall: 4
4	E	0.102	psf	Rect	Brc	Seismic: Covering Weight - 26 Vee Rib + Secondary Weight 1.10 - Wall: 4
4	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	3.056	psf	Rect	Frm	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
4	E	2.750	psf	Rect	Brc	Seismic: Covering Weight - 55.00 Not by VP - Masonry - Wall: 4
A	E	0.874	psf	Entire	Frm	Seismic: Covering Weight - 24 SSR + Secondary Weight 1.31 + 9.800 Snow + Seismic (Includes 1.000 Collateral 2.500 Frame Weight) - Roof: A
A	E	0.787	psf	Entire	Brc	Seismic: Covering Weight - 24 SSR + Secondary Weight 1.31 + 9.800 Snow + Seismic (Includes 1.000 Collateral 2.500 Frame Weight) - Roof: A

Deflection Conditions

Frames are vertically supporting: Metal Roof Purlins and Panels

Frames are laterally supporting: Metal Wall Girts and Panels

Purlins are supporting: Metal Roof Panels

Girts are supporting: Metal Wall Panels

Per Article 2.9 in the Builder Agreement, VP Buildings assumes that the Builder has called the local Building Official or Project Engineer to obtain all code and loading information for this specific building site.

Load Type Descriptions

D Material Dead Weight
CG Collateral Load for Gravity Cases
L Live Load
^ASL Alternate Span Live Load, Shifted Left

C Collateral Load
CU Collateral Load for Wind Cases
ASL^ Alternate Span Live Load, Shifted Right
PL2 Partial Live, Full, 2 Spans



DESIGN LOADS AND REACTIONS

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S	Snow Load	US1*	Unbalanced Snow Load 1, Shifted Right
US1	Unbalanced Snow Load 1, Shifted Left	US2	Unbalanced Snow Load 2, Shifted Right
*US2	Unbalanced Snow Load 2, Shifted Left	SD	Snow Drift Load
PF1	Partial Load, Full, 1 Span	PH1	Partial Load, Half, 1 Span
PF2	Partial Load, Full, 2 Spans	PH2	Partial Load, Half, 2 Spans
W	Wind Load	W1>	Wind Load, Case 1, Right
<W1	Wind Load, Case 1, Left	W2>	Wind Load, Case 2, Right
<W2	Wind Load, Case 2, Left	W3>	Wind Load, Case 3, Right
<W3	Wind Load, Case 3, Left	W4>	Wind Load, Case 4, Right
<W4	Wind Load, Case 4, Left	W5>	Wind Load, Case 5, Right
<W5	Wind Load, Case 5, Left	W6>	Wind Load, Case 6, Right
<W6	Wind Load, Case 6, Left	WP	Wind Load, Parallel to Ridge
WPR	Wind Load, Ridge, Right	WPL	Wind Load, Ridge, Left
WB1>	Wind Brace Reaction, Case 1, Right	<WB1	Wind Brace Reaction, Case 1, Left
WB2>	Wind Brace Reaction, Case 2, Right	<WB2	Wind Brace Reaction, Case 2, Left
WB3>	Wind Brace Reaction, Case 3, Right	<WB3	Wind Brace Reaction, Case 3, Left
WB4>	Wind Brace Reaction, Case 4, Right	<WB4	Wind Brace Reaction, Case 4, Left
WB5>	Wind Brace Reaction, Case 5, Right	<WB5	Wind Brace Reaction, Case 5, Left
WB6>	Wind Brace Reaction, Case 6, Right	<WB6	Wind Brace Reaction, Case 6, Left
E	Seismic Load	E>	Seismic Load, Right
<E	Seismic Load, Left	EG	Vertical Seismic Effect
EG+	Vertical Seismic Effect, Additive	EG-	Vertical Seismic Effect, Subtractive
EB>	Seismic Brace Reaction, Right	<EB	Seismic Brace Reaction, Left
FL	Floor Live Load	FL*	Alternate Span Floor Live Load, Shifted Right
*FL	Alternate Span Floor Live Load, Shifted Left	FD	Floor Dead Load
AL	Auxiliary Live Load	AL*>	Auxiliary Live Load, Right, Right
AL>	Auxiliary Live Load, Right, Left	<AL	Auxiliary Live Load, Left, Right
<*AL	Auxiliary Live Load, Left, Left	AL*	Aux Live, Right
AL	Aux Live, Left	AL>(1)	Auxiliary Live Load, Right, Right, Aisle 1
AL>(1)	Auxiliary Live Load, Right, Left, Aisle 1	<AL(1)	Auxiliary Live Load, Left, Right, Aisle 1
<*AL(1)	Auxiliary Live Load, Left, Left, Aisle 1	AL*(1)	Aux Live, Right, Aisle 1
AL(1)	Aux Live, Left, Aisle 1	AL>(2)	Auxiliary Live Load, Right, Right, Aisle 2
AL>(2)	Auxiliary Live Load, Right, Left, Aisle 2	<AL(2)	Auxiliary Live Load, Left, Right, Aisle 2
<*AL(2)	Auxiliary Live Load, Left, Left, Aisle 2	AL*(2)	Aux Live, Right, Aisle 2
AL(2)	Aux Live, Left, Aisle 2	AL>(3)	Auxiliary Live Load, Right, Right, Aisle 3
AL>(3)	Auxiliary Live Load, Right, Left, Aisle 3	<AL(3)	Auxiliary Live Load, Left, Right, Aisle 3
<*AL(3)	Auxiliary Live Load, Left, Left, Aisle 3	AL*(3)	Aux Live, Right, Aisle 3
AL(3)	Aux Live, Left, Aisle 3	AL>(4)	Auxiliary Live Load, Right, Right, Aisle 4
AL>(4)	Auxiliary Live Load, Right, Left, Aisle 4	<AL(4)	Auxiliary Live Load, Left, Right, Aisle 4
<*AL(4)	Auxiliary Live Load, Left, Left, Aisle 4	AL*(4)	Aux Live, Right, Aisle 4
AL(4)	Aux Live, Left, Aisle 4	AL>(5)	Auxiliary Live Load, Right, Right, Aisle 5
AL>(5)	Auxiliary Live Load, Right, Left, Aisle 5	<AL(5)	Auxiliary Live Load, Left, Right, Aisle 5
<*AL(5)	Auxiliary Live Load, Left, Left, Aisle 5	AL*(5)	Aux Live, Right, Aisle 5
*AL(5)	Aux Live, Left, Aisle 5	ALB	Aux Live Bracing Reaction
ALB>	Aux Live Bracing Reaction, Right	<ALB	Aux Live Bracing Reaction, Left
WALB>	Wind, Aux Live Bracing Reaction, Right	<WALB	Wind, Aux Live Bracing Reaction, Left
ALB>(1)	Aux Live Bracing Reaction, Right, Aisle 1	<ALB(1)	Aux Live Bracing Reaction, Left, Aisle 1
WALB>(1)	Wind, Aux Live Bracing Reaction, Right, Aisle 1	<WALB(1)	Wind, Aux Live Bracing Reaction, Left, Aisle 1
ALB>(2)	Aux Live Bracing Reaction, Right, Aisle 2	<ALB(2)	Aux Live Bracing Reaction, Left, Aisle 2
WALB>(2)	Wind, Aux Live Bracing Reaction, Right, Aisle 2	<WALB(2)	Wind, Aux Live Bracing Reaction, Left, Aisle 2
ALB>(3)	Aux Live Bracing Reaction, Right, Aisle 3	<ALB(3)	Aux Live Bracing Reaction, Left, Aisle 3
WALB>(3)	Wind, Aux Live Bracing Reaction, Right, Aisle 3	<WALB(3)	Wind, Aux Live Bracing Reaction, Left, Aisle 3
ALB>(4)	Aux Live Bracing Reaction, Right, Aisle 4	<ALB(4)	Aux Live Bracing Reaction, Left, Aisle 4
WALB>(4)	Wind, Aux Live Bracing Reaction, Right, Aisle 4	<WALB(4)	Wind, Aux Live Bracing Reaction, Left, Aisle 4
ALB>(5)	Aux Live Bracing Reaction, Right, Aisle 5	<ALB(5)	Aux Live Bracing Reaction, Left, Aisle 5
WALB>(5)	Wind, Aux Live Bracing Reaction, Right, Aisle 5	<WALB(5)	Wind, Aux Live Bracing Reaction, Left, Aisle 5
WALB	Wind, Aux Live Bracing Reaction	AD	Auxiliary Dead Load
U0	User Defined Load	U1	User Defined Load - 1
U2	User Defined Load - 2	U3	User Defined Load - 3
U4	User Defined Load - 4	U5	User Defined Load - 5
U6	User Defined Load - 6	U7	User Defined Load - 7
U8	User Defined Load - 8	U9	User Defined Load - 9
UB	User Brace Reaction	UB1	User Brace Reaction - 1
UB2	User Brace Reaction - 2	UB3	User Brace Reaction - 3
UB4	User Brace Reaction - 4	UB5	User Brace Reaction - 5
UB6	User Brace Reaction - 6	UB7	User Brace Reaction - 7
UB8	User Brace Reaction - 8	UB9	User Brace Reaction - 9
R	Rain Load	T	Temperature Load
V	Shear		



DESIGN LOADS AND REACTIONS

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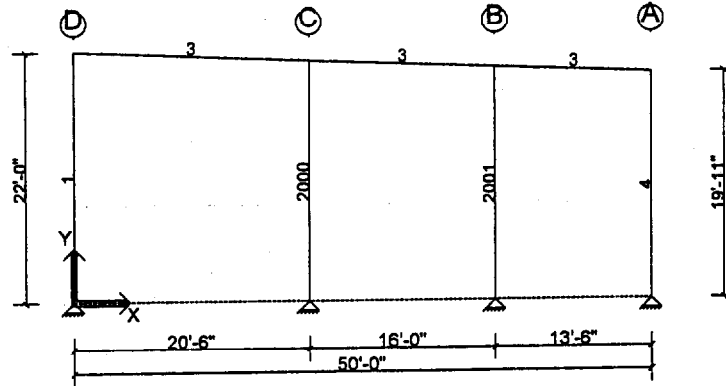
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User Applied Surface Loads (Local Coordinate System)

Side	Shape	Units	Type	Description	Mag	X-Loc	Y-Loc	Frm	Brc	Grt	Pur	Pnl	Supp.	Dir.	Loc.
1	PT	k	W1>	Wind Rectification	1.00	0/0/0	19/10/0	Y	Y	N	N	N	N	IN	OF
1	PT	k	<W1	Wind Rectification	1.00	0/0/0	19/10/0	Y	Y	N	N	N	N	IN	OF
1	PT	k	W2>	Wind Rectification	1.00	0/0/0	19/10/0	Y	Y	N	N	N	N	IN	OF
1	PT	k	<W2	Wind Rectification	1.00	0/0/0	19/10/0	Y	Y	N	N	N	N	IN	OF
1	PT	k	W1>	Wind Rectification	1.00	50/0/0	21/11/0	Y	Y	N	N	N	N	IN	OF
1	PT	k	<W1	Wind Rectification	1.00	50/0/0	21/11/0	Y	Y	N	N	N	N	IN	OF
1	PT	k	W2>	Wind Rectification	1.00	50/0/0	21/11/0	Y	Y	N	N	N	N	IN	OF
1	PT	k	<W2	Wind Rectification	1.00	50/0/0	21/11/0	Y	Y	N	N	N	N	IN	OF
3	PT	k	W1>	Wind Rectification	1.00	0/0/0	21/11/0	Y	Y	N	N	N	N	IN	OF
3	PT	k	<W1	Wind Rectification	1.00	0/0/0	21/11/0	Y	Y	N	N	N	N	IN	OF
3	PT	k	W2>	Wind Rectification	1.00	0/0/0	21/11/0	Y	Y	N	N	N	N	IN	OF
3	PT	k	<W2	Wind Rectification	1.00	0/0/0	21/11/0	Y	Y	N	N	N	N	IN	OF
3	PT	k	W1>	Wind Rectification	1.00	50/0/0	19/10/0	Y	Y	N	N	N	N	IN	OF
3	PT	k	<W1	Wind Rectification	1.00	50/0/0	19/10/0	Y	Y	N	N	N	N	IN	OF
3	PT	k	W2>	Wind Rectification	1.00	50/0/0	19/10/0	Y	Y	N	N	N	N	IN	OF
A	SP	psf	SD	Parapet drift	0.00	100/0/0	0/0/0	Y	N	N	Y	Y	N	IN	OF
A	SP	psf	SD	Parapet drift	15.00	100/0/0	50/0/0	Y	N	N	Y	Y	N	IN	OF
A	SP	psf	SD	Parapet drift	0.00	97/6/0	50/0/0	Y	N	N	Y	Y	N	IN	OF

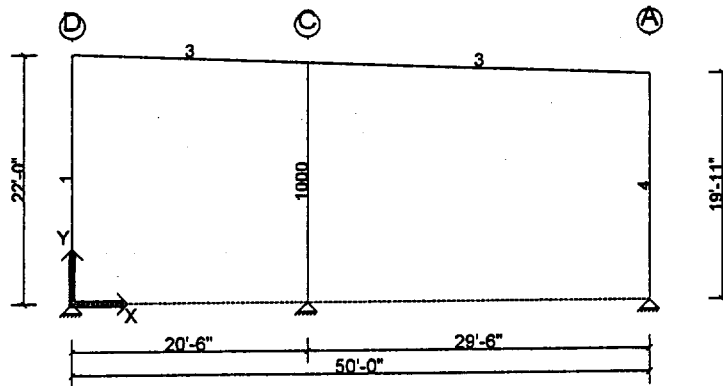
User Defined Frame Point Loads for Cross Section: 1

Side	Units	Type	Description	Mag1	Loc1	Offset	H or V	Supp.	Dir.	Coef.	Loc.
1	k	CG	mmm	-14.00	11/0/0	NA	NA	N	DOWN	1.000	CL
1	k	W1>	My	3.00	6/0/0	NA	NA	N	IN	1.000	WA
1	k	<W1	My	3.00	6/0/0	NA	NA	N	IN	1.000	WA
1	k	W2>	My	3.00	6/0/0	NA	NA	N	IN	1.000	WA
1	k	<W2	My	3.00	6/0/0	NA	NA	N	IN	1.000	WA
2000	k	CG	mmm	-14.00	11/0/0	NA	NA	N	DOWN	1.000	IF



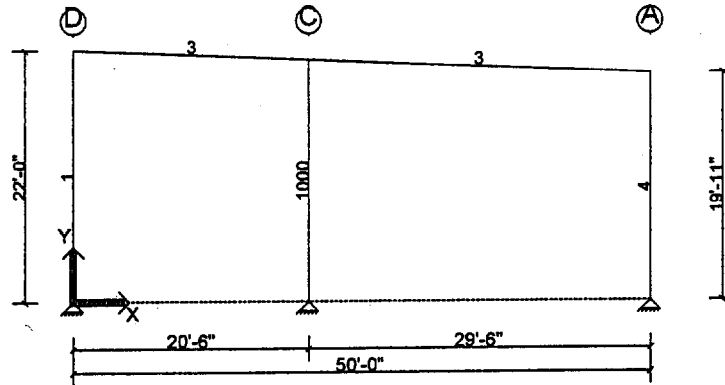
User Defined Frame Point Loads for Cross Section: 2

Side	Units	Type	Description	Mag1	Loc1	Offset	H or V	Supp.	Dir.	Coef.	Loc.
1	k	CG	mmm	-28.00	11/0/0	NA	NA	N	DOWN	1.000	CL
1000	k	CG	mezz	-28.00	11/0/0	NA	NA	N	DOWN	1.000	CL



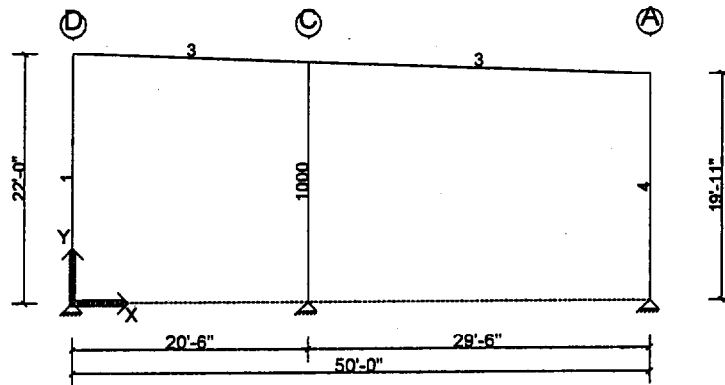
User Defined Frame Point Loads for Cross Section: 3

Side	Units	Type	Description	Mag1	Loc1	Offset	H or V	Supp.	Dir.	Coef.	Loc.
1	k	CG	mmm	-28.00	11/0/0	NA	NA	N	DOWN	1.000	CL
1000	k	CG	mmm	-28.00	11/0/0	NA	NA	N	DOWN	1.000	CL



User Defined Frame Point Loads for Cross Section: 4

Side	Units	Type	Description	Mag1	Loc1	Offset	H or V	Supp.	Dir.	Coef.	Loc.
1	k	CG	mmm	-28.00	11/0/0	NA	NA	N	DOWN	1.000	CL
1000	k	CG	mezz	-28.00	11/0/0	NA	NA	N	DOWN	1.000	CL

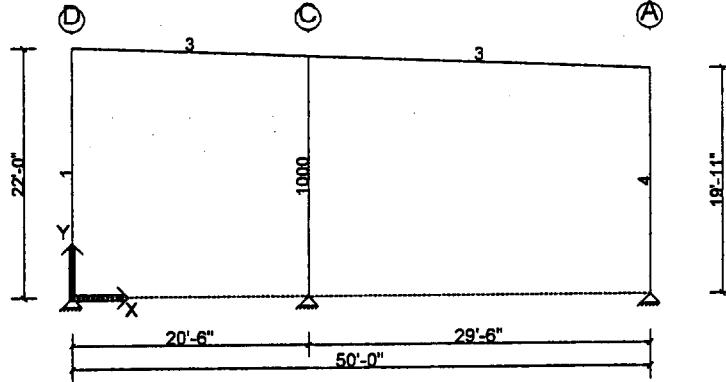


User Defined Frame Point Loads for Cross Section: 5

Side	Units	Type	Description	Mag1	Loc1	Offset	H or V	Supp.	Dir.	Coef.	Loc.
1	k	CG	mmm	-28.00	11/0/0	NA	NA	N	DOWN	1.000	CL
1000	k	CG	mezz	-28.00	11/0/0	NA	NA	N	DOWN	1.000	CL

User Defined Frame Line Loads for Cross Section: 5

Side	Units	Type	Description	Mag1	Loc1	Mag2	Loc2	Supp.	Dir.	Coef.	Loc.
3	plf	SD	Parapet drift->Resolved From Plane	0.00	20/0/0	-0.18	50/0/0	N	DOWN	1.000	OF

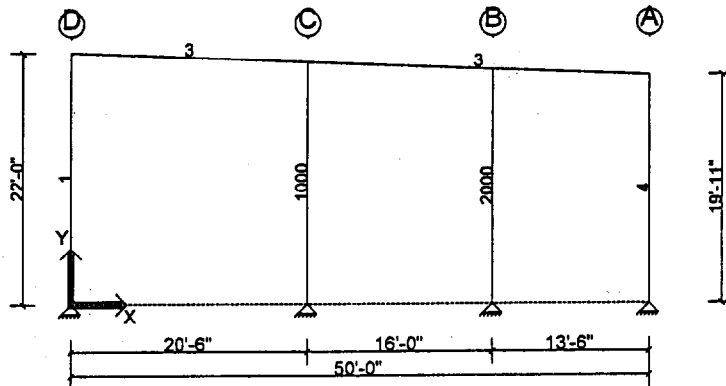


User Defined Frame Point Loads for Cross Section: 6

Side	Units	Type	Description	Mag1	Loc1	Offset	H or V	Supp.	Dir.	Coef.	Loc.
1	k	CG	mmm	-14.00	11/0/0	NA	NA	N	DOWN	1.000	CL
1000	k	CG	mmm	-14.00	11/0/0	NA	NA	N	DOWN	1.000	IF

User Defined Frame Line Loads for Cross Section: 6

Side	Units	Type	Description	Mag1	Loc1	Mag2	Loc2	Supp.	Dir.	Coef.	Loc.
3	plf	SD	Parapet drift->Resolved From Plane	0.00	0/0/0	-18.91	50/0/0	N	DOWN	1.000	OF





DESIGN LOADS AND REACTIONS

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Reactions - Expanded Report

Shape : Big Moose Harley

Builder Contact: Bill Rudman
Name: PATCO Construction Inc
Address: 1293 Main St.

Project: Big Moose Harley-Davidson

Reference: Big Moose Harley.vpc

Jobsite: 375 Riverside

City, State Zip: Sanford, Maine 04073

Country: United States

City, State Zip: Portland, Maine 04103

County, Country: Cumberland, United States

Loads and Codes - Shape: Big Moose Harley

Building Code: BOCA - 1996 - National Building Code

Building Use: Standard Occupancy Structures

Built Up: 89AISC

Cold Form: 89AISI

Rainfall: 4.00 in per hour

Allow. Overstress:

Frm: 1.03, Sec: 1.03, Brc: 1.03

Seismic Load

Seismic Hazard / Use Group: Group 1

Aa: 0.1000, Av: 0.1000

% Snow Used in Seismic: 20.00

Live Load

Live Load: 20.00 psf Reducible

Collateral Gravity: 1.00 psf

Collateral Uplift: 0.00 psf

Wind Load

Wind Speed: 90.00 mph

Wind Exposure: B

Wind Enclosure: Enclosed

Distance to Coast: 6.0 Miles

Base Elevation: 0/0/0

Snow Load

Ground Snow Load: 70.00 psf

Snow Exposure Category: 3

Deflection Conditions

Frames are vertically supporting: Metal Roof Purlins and Panels

Frames are laterally supporting: Metal Wall Girts and Panels

Purlins are supporting: Metal Roof Panels

Girts are supporting: Metal Wall Panels

Per Article 2.9 in the Builder Agreement, VP Buildings assumes that the Builder has called the local Building Official or Project Engineer to obtain all code and loading information for this specific building site.

Load Type Descriptions

D	Material Dead Weight
CG	Collateral Load for Gravity Cases
L	Live Load
^ASL	Alternate Span Live Load, Shifted Left
US1*	Unbalanced Snow Load 1, Shifted Right
US2*	Unbalanced Snow Load 2, Shifted Right
SD	Snow Drift Load
W1>	Wind Load, Case 1, Right
W2>	Wind Load, Case 2, Right
W3>	Wind Load, Case 3, Right
W4>	Wind Load, Case 4, Right
W5>	Wind Load, Case 5, Right
W6>	Wind Load, Case 6, Right
WP	Wind Load, Parallel to Ridge
WPL	Wind Load, Ridge, Left
E>	Seismic Load, Right
EG	Vertical Seismic Effect
EG-	Vertical Seismic Effect, Subtractive
FL*	Alternate Span Floor Live Load, Shifted Right
FD	Floor Dead Load
AL*>	Auxiliary Live Load, Right, Right
<AL*	Auxiliary Live Load, Left, Right
AL*	Aux Live, Right
AL*>(1)	Auxiliary Live Load, Right, Right, Aisle 1
<AL*(1)	Auxiliary Live Load, Left, Right, Aisle 1
AL*(1)	Aux Live, Right, Aisle 1
AL*>(2)	Auxiliary Live Load, Right, Right, Aisle 2
<AL*(2)	Auxiliary Live Load, Left, Right, Aisle 2
AL*(2)	Aux Live, Right, Aisle 2
AL*>(3)	Auxiliary Live Load, Right, Right, Aisle 3
<AL*(3)	Auxiliary Live Load, Left, Right, Aisle 3
AL*(3)	Aux Live, Right, Aisle 3
AL*>(4)	Auxiliary Live Load, Right, Right, Aisle 4
<AL*(4)	Auxiliary Live Load, Left, Right, Aisle 4

C	Collateral Load
CU	Collateral Load for Wind Cases
ASL^	Alternate Span Live Load, Shifted Right
S	Snow Load
*US1	Unbalanced Snow Load 1, Shifted Left
*US2	Unbalanced Snow Load 2, Shifted Left
W	Wind Load
<W1	Wind Load, Case 1, Left
<W2	Wind Load, Case 2, Left
<W3	Wind Load, Case 3, Left
<W4	Wind Load, Case 4, Left
<W5	Wind Load, Case 5, Left
<W6	Wind Load, Case 6, Left
WPR	Wind Load, Ridge, Right
E	Seismic Load
<E	Seismic Load, Left
EG+	Vertical Seismic Effect, Additive
FL	Floor Live Load
*FL	Alternate Span Floor Live Load, Shifted Left
AL	Auxiliary Live Load
*AL>	Auxiliary Live Load, Right, Left
<*AL	Auxiliary Live Load, Left, Left
*AL	Aux Live, Left
*AL>(1)	Auxiliary Live Load, Right, Left, Aisle 1
<*AL(1)	Auxiliary Live Load, Left, Left, Aisle 1
*AL(1)	Aux Live, Left, Aisle 1
*AL>(2)	Auxiliary Live Load, Right, Left, Aisle 2
<*AL(2)	Auxiliary Live Load, Left, Left, Aisle 2
*AL(2)	Aux Live, Left, Aisle 2
*AL>(3)	Auxiliary Live Load, Right, Left, Aisle 3
<*AL(3)	Auxiliary Live Load, Left, Left, Aisle 3
*AL(3)	Aux Live, Left, Aisle 3
*AL>(4)	Auxiliary Live Load, Right, Left, Aisle 4
<*AL(4)	Auxiliary Live Load, Left, Left, Aisle 4



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AL*(4)	Aux Live, Right, Aisle 4	*AL(4)	Aux Live, Left, Aisle 4
AL*>(5)	Auxiliary Live Load, Right, Right, Aisle 5	*AL>(5)	Auxiliary Live Load, Right, Left, Aisle 5
<AL*(5)	Auxiliary Live Load, Left, Right, Aisle 5	<*AL(5)	Auxiliary Live Load, Left, Left, Aisle 5
AL*(5)	Aux Live, Right, Aisle 5	*AL(5)	Aux Live, Left, Aisle 5
AD	Auxiliary Dead Load	U0	User Defined Load
U1	User Defined Load - 1	U2	User Defined Load - 2
U3	User Defined Load - 3	U4	User Defined Load - 4
U5	User Defined Load - 5	U6	User Defined Load - 6
U7	User Defined Load - 7	U8	User Defined Load - 8
U9	User Defined Load - 9	R	Rain Load
T	Temperature Load		



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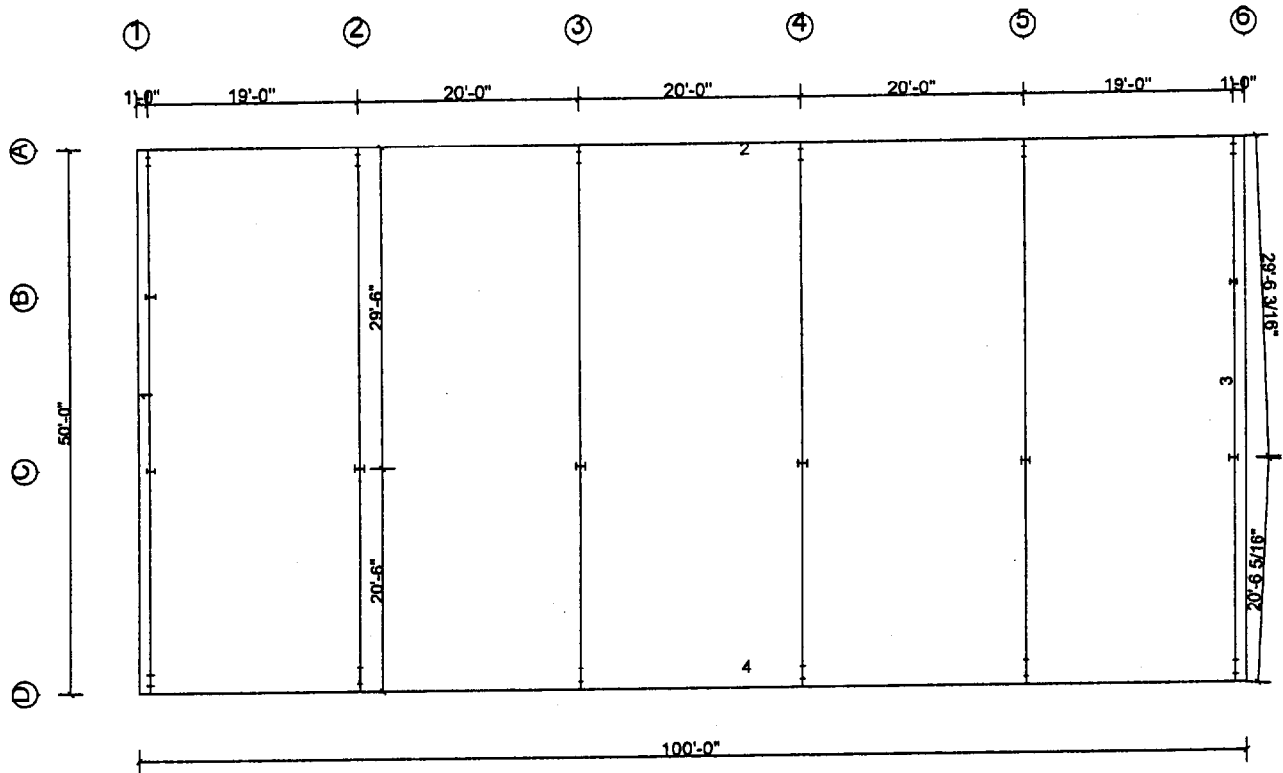
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Overall Building Description

Shape	Overall Width	Overall Length	Floor Area (sq. ft.)	Wall Area (sq. ft.)	Roof Area (sq. ft.)	Max. Eave Height	Min. Eave Height 2	Max. Roof Pitch	Min. Roof Pitch	Peak Height
Big Moose Harley	50/0/0	100/0/0	5000	6287	5004	22/0/0	19/11/0	0.500:12		

Overall Shape Description

Roof 1	Roof 2	From Grid	To Grid	Width	Length	Eave Ht.	Eave Ht. 2	Pitch	Pitch 2	Dist. to Ridge	Peak Height
A		1-A	1-D	50/0/0	100/0/0	19/11/0	22/0/0	0.500:12			





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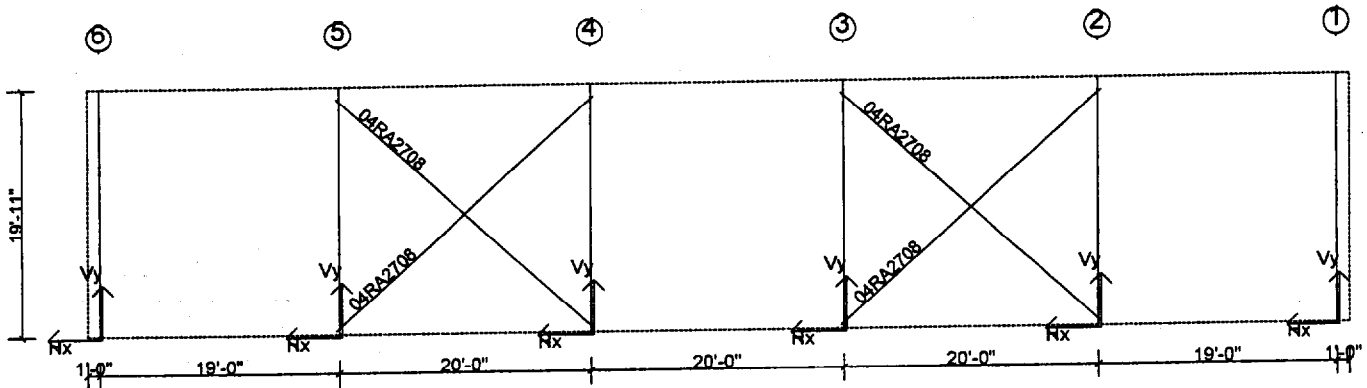
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Wall : 2 (Grid:A)

Design Load Combinations - Bracing

No.	Do Not Use	Origin	Factor	Application	Description
1		System	1.333	1.0 E>	E>
2		System	1.333	1.0 <E	<E
3		System	1.333	1.0 W1>	W1>
4		System	1.333	1.0 <W1	<W1
5		System	1.333	1.0 W2>	W2>
6		System	1.333	1.0 <W2	<W2

Wall : 2 (Grid:A)



Bracing Reaction from Wall : 2

X-Loc		20/0/0		40/0/0		60/0/0		80/0/0		
Grid1 - Grid2		A-5		A-4		A-3		A-2		
Ld	Load Combinations	Hx	Vy	Hx	Vy	Hx	Vy	Hx	Vy	
Cs		(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	
1	E>	-	1.34	-1.34	-1.34	-	1.42	-1.43	-1.42	-
2	<E	1.44	-1.44	-	1.44	1.33	-1.32	-	1.32	-
3	W1>	-	3.10	-3.11	-3.10	-	3.26	-3.27	-3.26	-
4	<W1	3.27	-3.26	-	3.26	3.11	-3.10	-	3.10	-
5	W2>	-	3.07	-3.08	-3.07	-	3.29	-3.30	-3.29	-
6	<W2	3.30	-3.29	-	3.29	3.08	-3.07	-	3.07	-

Note: Reactions shown in the Bracing Reactions table are not included in the Frame Reactions table. Bracing reactions are produced from loads applied parallel to the ridge and Frame reactions from loads applied perpendicular to the ridge of the building. Combine per Code as needed.



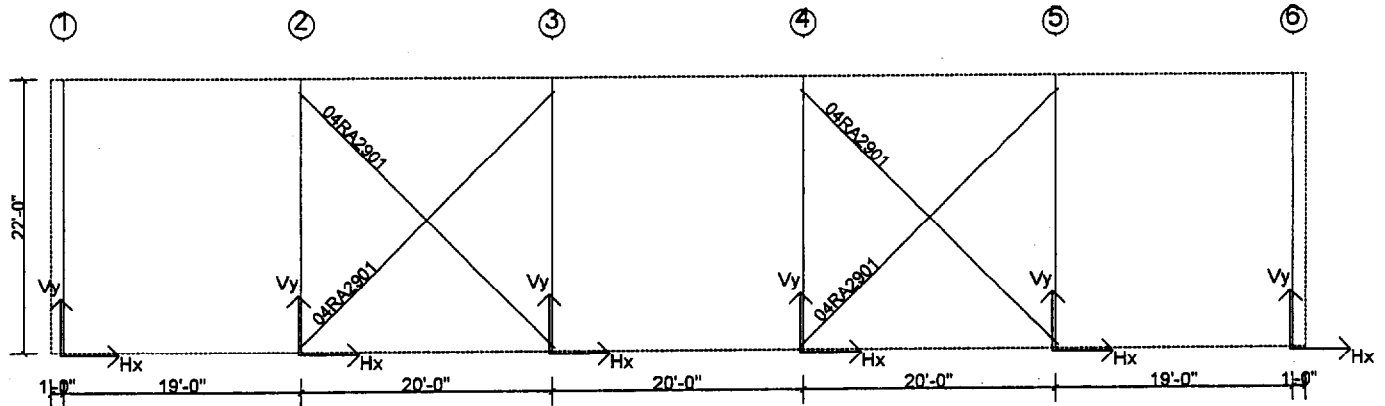
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Wall : 4 (Grid:D)



Bracing Reaction from Wall : 4

X-Loc		20/0/0		40/0/0		60/0/0		80/0/0		
Grid1 - Grid2		D-2		D-3		D-4		D-5		
Ld	Load Combinations	Hx	Vy	Hx	Vy	Hx	Vy	Hx	Vy	
Cs		(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	
1	E>	-1.39	-1.53	-	1.53	-1.34	-1.47	-	1.47	-
2	<E	-	1.44	1.31	-1.44	-	1.56	1.42	-1.56	-
3	W1>	-3.27	-3.60	-	3.60	-3.14	-3.45	-	3.45	-
4	<W1	-	3.45	3.14	-3.45	-	3.60	3.27	-3.60	-
5	W2>	-3.33	-3.66	-	3.66	-3.09	-3.40	-	3.40	-
6	<W2	-	3.40	3.09	-3.40	-	3.66	3.33	-3.66	-

Note: Reactions shown in the Bracing Reactions table are not included in the Frame Reactions table. Bracing reactions are produced from loads applied parallel to the ridge and Frame reactions from loads applied perpendicular to the ridge of the building. Combine per Code as needed.



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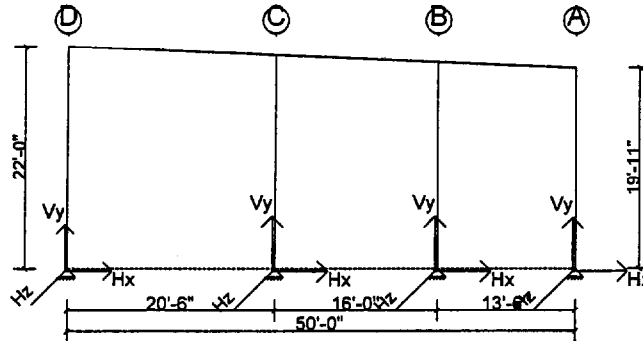
Wall : 4, Frame at: 1/0/0

Design Load Combinations - Framing

No.	Do Not Use	Origin	Factor	Application	Description
1		System	1.000	1.0 D + 1.0 CG + 1.0 L	D + CG + L
2		System	1.000	1.0 D + 1.0 CG + 1.0 S	D + CG + S
3		System	1.000	1.0 D + 1.0 CG + 1.0 SD + 1.0 S	D + CG + SD + S
4		System	1.333	1.0 D + 1.0 W1>	D + W1>
5		System	1.333	1.0 D + 1.0 <W1	D + <W1
6		System	1.333	1.0 D + 1.0 W2>	D + W2>
7		System	1.333	1.0 D + 1.0 <W2	D + <W2
8		System	1.333	1.0 D + 1.0 WP	D + WP
9		System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W1>	D + CG + L + W1>
10		System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W1	D + CG + L + <W1
11		System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W2>	D + CG + L + W2>
12		System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W2	D + CG + L + <W2
13		System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WP	D + CG + L + WP
14		System	1.000	1.0 D + 1.0 CG + 0.750 SD + 0.750 S + 0.750 W1>	D + CG + SD + S + W1>
15		System	1.000	1.0 D + 1.0 CG + 0.750 SD + 0.750 S + 0.750 <W1	D + CG + SD + S + <W1
16		System	1.000	1.0 D + 1.0 CG + 0.750 SD + 0.750 S + 0.750 W2>	D + CG + SD + S + W2>
17		System	1.000	1.0 D + 1.0 CG + 0.750 SD + 0.750 S + 0.750 <W2	D + CG + SD + S + <W2
18		System	1.000	1.0 D + 1.0 CG + 0.750 SD + 0.750 S + 0.750 WP	D + CG + SD + S + WP
19		System	1.333	1.0 D + 1.0 CG + 1.0 L + 1.0 E> + 1.0 EG+	D + CG + L + E> + EG+
20		System	1.333	1.0 D + 1.0 CG + 1.0 L + 1.0 <E + 1.0 EG+	D + CG + L + <E + EG+
21		System	1.333	1.0 D + 1.0 CG + 0.200 SD + 0.200 S + 1.0 E> + 1.0 EG+	D + CG + SD + S + E> + EG+
22		System	1.333	1.0 D + 1.0 CG + 0.200 SD + 0.200 S + 1.0 <E + 1.0 EG+	D + CG + SD + S + <E + EG+

Wall : 4, Frame at: 1/0/0
Frame ID: Post & Beam

Frame Type: Post & Beam



Values shown are resisting forces of the foundation.

Reactions - Load Type at Frame Cross Section: 1

Type		Exterior Column		Interior Column			Interior Column			Exterior Column		
X-Loc		0/0/0		20/6/0			36/6/0			50/0/0		
Grid1 - Grid2		1-D		1-C			1-B			1-A		
Base Plate W x L (in.)		9 x 13		8 x 10			8 x 12			8 x 10		
Base Plate Thickness (in.)		0.375		0.375			0.375			0.375		
Anchor Bolt Qty/Diam. (in.)		4 - 0.750		4 - 0.750			4 - 0.750			4 - 0.750		
Column Base Elev.		100'-0"		100'-0"			100'-0"			100'-0"		
Load Type	Desc.	Hx	Vy	Hx	Hx	Vy	Hx	Hx	Vy	Hx	Vy	
D	Frm	-	0.74	-	-	1.03	-	-	0.67	-	0.36	-
CG	Frm	-	14.10	-	0.26	14.20	-	-	0.17	-	0.06	-
L	Frm	-	1.50	-	-	3.82	-	-	3.10	-	1.25	-
S	Frm	-	4.65	-	-	10.69	-	-	7.33	-	3.11	-
SD	Frm	-	-	-	-	-	-	-	-	-	-	-
W1>	Frm	-1.09	-1.20	-	2.97	-2.86	-	2.32	-1.98	-1.00	-0.87	-
<W1	Frm	1.09	-1.28	-	-2.75	-2.88	-	-2.16	-1.96	0.97	-0.79	-
W2>	Frm	-1.62	-0.77	-	-	-1.80	-	-	-1.25	-0.52	-0.54	-
<W2	Frm	0.56	-0.85	-	-	-1.82	-	-	-1.23	1.46	-0.46	-
WP	Frm	1.44	-1.18	-	-	-2.87	-	-	-1.97	-1.30	-0.88	-
E>	Frm	-0.49	0.02	-	-0.13	-	-	0.18	-	-0.12	-	-
EG+	Frm	-	0.73	-	0.01	0.76	-	-	0.05	-	0.02	-
<E	Frm	0.49	-0.02	-	0.13	-	-	-0.18	-	0.12	-	-
EG-	Frm	-	-0.73	-	-0.01	-0.76	-	-	-0.05	-	-0.02	-



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Frame Reactions - Load Cases at Frame Cross Section: 1

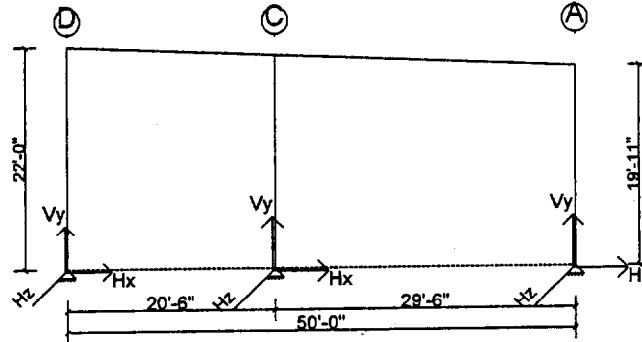
X-Loc		0/0/0		20/6/0		36/6/0			50/0/0			
Grid1 - Grid2		1-D		1-C		1-B			1-A			
Ld	Description	Hx	Vy	Hx	Vy	Hx	Hz	Vy	Hx	Vy		
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)		
1	D + CG + L	-	16.33	-	0.26	19.05	-	-	3.94	-	1.67	-
2	D + CG + S	-	19.49	-	0.26	25.93	-	-	8.17	-	3.54	-
3	D + CG + SD + S	-	19.49	-	0.26	25.93	-	-	8.17	-	3.54	-
4	D + W1>	-1.09	-0.46	-	2.97	-1.83	-	2.32	-1.30	-1.00	-0.51	-
5	D + <W1	1.09	-0.54	-	-2.75	-1.85	-	-2.16	-1.29	0.97	-0.43	-
6	D + W2>	-1.62	-0.03	-	-	-0.77	-	-	-0.57	-0.52	-0.18	-
7	D + <W2	0.56	-0.11	-	-	-0.79	-	-	-0.56	1.46	-0.10	-
8	D + WP	1.44	-0.44	-	-	-1.85	-	-	-1.30	-1.30	-0.52	-
9	D + CG + L + W1>	-0.82	15.06	-	2.49	15.95	-	1.74	1.68	-0.75	0.71	-
10	D + CG + L + <W1	0.82	15.00	-	-1.80	15.94	-	-1.62	1.69	0.73	0.77	-
11	D + CG + L + W2>	-1.22	15.39	-	0.26	16.74	-	-	2.23	-0.39	0.95	-
12	D + CG + L + <W2	0.42	15.32	-	0.26	16.73	-	-	2.24	1.09	1.01	-
13	D + CG + L + WP	1.08	15.08	-	0.26	15.94	-	-	1.68	-0.98	0.70	-
14	D + CG + SD + S + W1>	-0.82	17.42	-	2.49	21.11	-	1.74	4.85	-0.75	2.11	-
15	D + CG + SD + S + <W1	0.82	17.36	-	-1.80	21.10	-	-1.62	4.87	0.73	2.16	-
16	D + CG + SD + S + W2>	-1.22	17.75	-	0.26	21.90	-	-	5.40	-0.39	2.35	-
17	D + CG + SD + S + <W2	0.42	17.69	-	0.26	21.89	-	-	5.41	1.09	2.41	-
18	D + CG + SD + S + WP	1.08	17.44	-	0.26	21.10	-	-	4.86	-0.98	2.10	-
19	D + CG + L + E> + EG+	-0.49	17.08	-	0.14	19.81	-	0.18	3.98	-0.12	1.69	-
20	D + CG + L + <E + EG+	0.49	17.04	-	0.41	19.81	-	-0.18	3.98	0.12	1.69	-
21	D + CG + SD + S + E> + EG+	-0.49	16.52	-	0.14	18.14	-	0.18	2.35	-0.12	1.06	-
22	D + CG + SD + S + <E + EG+	0.49	16.48	-	0.41	18.14	-	-0.18	2.35	0.12	1.06	-

Maximum Reactions Summary - Framing

X-Loc	Grid	Hz left (-Hx) (k)	Load Case	Hz Right (Hx) (k)	Load Case	Hz In (-Hz) (k)	Load Case	Hz Out (Hz) (k)	Load Case	Uplift (-Vy) (k)	Load Case	Vrt Down (Vy) (k)	Load Case	Mom cw (-Mzz) (in-k)	Load Case	Mom ccw (Mzz) (in-k)	Load Case
0/0/0	1-D	1.62	6	1.44	8	-	-	-	-	0.54	5	19.49	2	-	-	-	-
20/6/0	1-C	-	-	-	-	2.75	5	2.97	4	1.85	5	25.93	2	-	-	-	-
36/6/0	1-B	-	-	-	-	2.16	5	2.32	4	1.30	4	8.17	2	-	-	-	-
50/0/0	1-A	1.30	8	1.46	7	-	-	-	-	0.52	8	3.54	2	-	-	-	-

Wall : 4, Frame at: 20/0/0
 Frame ID:CB1 20/6

Frame Type:Continuous Beam



Values shown are resisting forces of the foundation.

Reactions - Load Type at Frame Cross Section: 2

Type		Exterior Column		Interior Column			Exterior Column			
X-Loc		0/0/0		20/6/0			50/0/0			
Grid1 - Grid2		2-D		2-C			2-A			
Base Plate W x L (in.)		8 x 20		9 x 11			8 x 13			
Base Plate Thickness (in.)		0.375		0.500			0.375			
Anchor Bolt Qty/Diam. (in.)		4 - 0.750		4 - 0.750			4 - 0.750			
Column Base Elev.		100'-0"		100'-0"			100'-0"			
Load Type	Desc.	Hx	Vy	Hx	Hx	Vy	Hx	Vy		
D	Frm	0.08	0.78	-	-	2.16	-0.08	1.10	-	-
CG	Frm	0.03	28.18	-	-	28.52	-0.03	0.27	-	-
L	Frm	0.37	2.54	-	-	8.85	-0.37	4.21	-	-
S	Frm	1.15	7.78	-	-	27.09	-1.15	12.90	-	-
SD	Frm	-	-	-	-	-	-	-	-	-
W1>	Frm	-3.71	-3.55	-	-	-7.95	-4.54	-1.31	-	-
<W1	Frm	3.06	-0.74	-	-	-6.61	4.94	-5.46	-	-
W2>	Frm	-4.47	-2.64	-	-	-5.61	-3.93	0.16	-	-
<W2	Frm	2.30	0.17	-	-	-4.27	5.55	-3.99	-	-
WP	Frm	2.06	-2.47	-	-	-6.34	-1.66	-4.00	-	-
E>	Frm	-1.46	-0.44	-	-0.67	-0.48	-1.50	0.96	-	-
EG+	Frm	-	1.45	-	-	1.56	-	0.08	-	-
<E	Frm	1.46	0.44	-	0.67	0.48	1.50	-0.96	-	-
EG-	Frm	-	-1.45	-	-	-1.56	-	-0.08	-	-



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Frame Reactions - Load Cases at Frame Cross Section: 2

X-Loc		0/0/0		20/6/0			50/0/0			
Grid1 - Grid2		2-D		2-C			2-A			
Ld	Description	Hx	Vy	Hx	Hz	Vy	Hx	Vy		
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)	(k)		
1	D + CG + L	0.48	31.50	-	-	39.53	-0.48	5.59	-	-
2	D + CG + S	1.25	36.74	-	-	57.77	-1.25	14.28	-	-
3	D + CG + SD + S	1.25	36.74	-	-	57.77	-1.25	14.28	-	-
4	D + W1>	-3.63	-2.77	-	-	-5.79	-4.61	-0.21	-	-
5	D + <W1	3.13	0.04	-	-	-4.45	4.87	-4.36	-	-
6	D + W2>	-4.39	-1.86	-	-	-3.45	-4.00	1.27	-	-
7	D + <W2	2.37	0.95	-	-	-2.11	5.48	-2.88	-	-
8	D + WP	2.14	-1.69	-	-	-4.18	-1.73	-2.89	-	-
9	D + CG + L + W1>	-2.40	28.20	-	-	31.35	-3.79	3.55	-	-
10	D + CG + L + <W1	2.68	30.30	-	-	32.36	3.32	0.44	-	-
11	D + CG + L + W2>	-2.97	28.88	-	-	33.11	-3.33	4.66	-	-
12	D + CG + L + <W2	2.11	30.99	-	-	34.11	3.78	1.55	-	-
13	D + CG + L + WP	1.93	29.01	-	-	32.56	-1.63	1.54	-	-
14	D + CG + SD + S + W1>	-1.82	32.13	-	-	45.04	-4.37	10.07	-	-
15	D + CG + SD + S + <W1	3.26	34.24	-	-	46.04	2.74	6.96	-	-
16	D + CG + SD + S + W2>	-2.39	32.82	-	-	46.79	-3.91	11.18	-	-
17	D + CG + SD + S + <W2	2.69	34.92	-	-	47.80	3.20	8.07	-	-
18	D + CG + SD + S + WP	2.51	32.94	-	-	46.24	-2.21	8.06	-	-
19	D + CG + L + E> + EG+	-0.98	32.50	-	-0.67	40.61	-1.98	6.63	-	-
20	D + CG + L + <E + EG+	1.94	33.39	-	0.67	41.57	1.02	4.71	-	-
21	D + CG + SD + S + E> + EG+	-1.12	31.51	-	-0.67	37.18	-1.83	5.00	-	-
22	D + CG + SD + S + <E + EG+	1.79	32.40	-	0.67	38.14	1.16	3.08	-	-

Maximum Reactions Summary - Framing

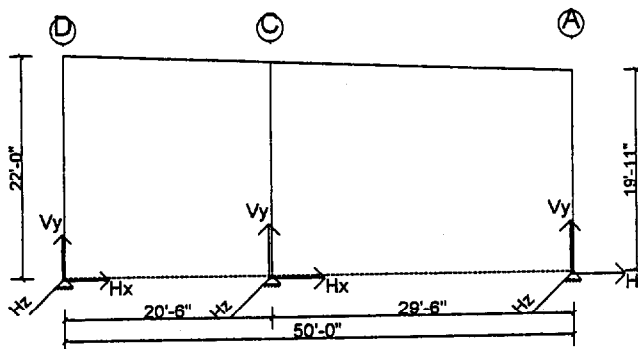
X-Loc	Grid	Hz left (-Hx) (k)	Load Case	Hz Right (Hx) (k)	Load Case	Hz In (-Hz) (k)	Load Case	Hz Out (Hz) (k)	Load Case	Uplift (-Vy) (k)	Load Case	Vrt Down (Vy) (k)	Load Case	Mom cw (-Mzz) (in-k)	Load Case	Mom ccw (Mzz) (in-k)	Load Case
0/0/0	2-D	4.39	6	3.26	15	-	-	-	-	2.77	4	36.74	2	-	-	-	-
20/6/0	2-C	-	-	-	-	0.67	19	0.67	20	5.79	4	57.77	2	-	-	-	-
50/0/0	2-A	4.61	4	5.48	7	-	-	-	-	4.36	5	14.28	2	-	-	-	-

Bracing

X-Loc	Grid	Description
0/0/0	2-D	Diagonal bracing at base is attached to column. Reactions are NOT included with frame reactions. See wall elevation for reactions.
50/0/0	2-A	Diagonal bracing at base is attached to column. Reactions are NOT included with frame reactions. See wall elevation for reactions.

Wall : 4, Frame at: 40/0/0
 Frame ID:CB1 20/6

Frame Type:Continuous Beam



Values shown are resisting forces of the foundation.

Reactions - Load Type at Frame Cross Section: 3

Type		Exterior Column		Interior Column			Exterior Column			
X-Loc		0/0/0		20/6/0			50/0/0			
Grid1 - Grid2		3-D		3-C			3-A			
Base Plate W x L (in.)		8 x 16		9 x 11			8 x 13			
Base Plate Thickness (in.)		0.375		0.500			0.375			
Anchor Bolt Qty/Diam. (in.)		4 - 0.750		4 - 0.750			4 - 0.750			
Column Base Elev.		100'-0"		100'-0"			100'-0"			
Load Type	Desc.	Hx	Vy	Hx	Hx	Vy	Hx	Vy		
D	Frm	0.07	0.77	-	-	2.21	-0.07	1.12	-	-
CG	Frm	0.03	28.17	-	-	28.55	-0.03	0.28	-	-
L	Frm	0.35	2.53	-	-	9.19	-0.35	4.28	-	-
S	Frm	1.08	7.75	-	-	28.15	-1.08	13.10	-	-
SD	Frm	-	-	-	-	-	-	-	-	-
W1>	Frm	-3.52	-3.12	-	-	-9.00	-4.93	-1.02	-	-
<W1	Frm	2.92	-1.13	-	-	-6.15	5.29	-5.86	-	-
W2>	Frm	-4.30	-2.18	-	-	-6.61	-4.31	0.50	-	-
<W2	Frm	2.14	-0.19	-	-	-3.76	5.91	-4.34	-	-
WP	Frm	2.10	-2.55	-	-	-6.47	-1.68	-4.12	-	-
E>	Frm	-1.37	-0.27	-	-0.67	-0.79	-1.63	1.09	-	-
EG+	Frm	-	1.45	-	-	1.57	-	0.08	-	-
<E	Frm	1.37	0.27	-	0.67	0.79	1.63	-1.09	-	-
EG-	Frm	-	-1.45	-	-	-1.57	-	-0.08	-	-



DESIGN LOADS AND REACTIONS

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Frame Reactions - Load Cases at Frame Cross Section: 3

X-Loc		0/0/0		20/6/0		50/0/0				
Grid1 - Grid2		3-D		3-C		3-A				
Ld	Description	Hx	Vy	Hx	Vy	Hx	Vy			
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)			
1	D + CG + L	0.45	31.48	-	-	39.95	-0.45	5.67	-	-
2	D + CG + S	1.18	36.70	-	-	58.91	-1.18	14.50	-	-
3	D + CG + SD + S	1.18	36.70	-	-	58.91	-1.18	14.50	-	-
4	D + W1>	-3.45	-2.35	-	-	-6.79	-5.01	0.10	-	-
5	D + <W1	2.99	-0.36	-	-	-3.94	5.22	-4.74	-	-
6	D + W2>	-4.22	-1.41	-	-	-4.40	-4.39	1.62	-	-
7	D + <W2	2.21	0.58	-	-	-1.55	5.84	-3.22	-	-
8	D + WP	2.17	-1.77	-	-	-4.26	-1.75	-3.00	-	-
9	D + CG + L + W1>	-2.28	28.50	-	-	30.90	-4.06	3.84	-	-
10	D + CG + L + <W1	2.55	30.00	-	-	33.04	3.61	0.21	-	-
11	D + CG + L + W2>	-2.86	29.21	-	-	32.69	-3.60	4.98	-	-
12	D + CG + L + <W2	1.97	30.70	-	-	34.83	4.07	1.35	-	-
13	D + CG + L + WP	1.94	28.94	-	-	32.80	-1.62	1.51	-	-
14	D + CG + SD + S + W1>	-1.73	32.42	-	-	45.12	-4.61	10.46	-	-
15	D + CG + SD + S + <W1	3.10	33.91	-	-	47.26	3.06	6.83	-	-
16	D + CG + SD + S + W2>	-2.31	33.12	-	-	46.91	-4.14	11.60	-	-
17	D + CG + SD + S + <W2	2.51	34.61	-	-	49.05	3.53	7.97	-	-
18	D + CG + SD + S + WP	2.48	32.85	-	-	47.01	-2.17	8.13	-	-
19	D + CG + L + E> + EG+	-0.92	32.66	-	-0.67	40.73	-2.08	6.85	-	-
20	D + CG + L + <E + EG+	1.82	33.19	-	0.67	42.31	1.17	4.66	-	-
21	D + CG + SD + S + E> + EG+	-1.05	31.68	-	-0.67	37.17	-1.94	5.19	-	-
22	D + CG + SD + S + <E + EG+	1.68	32.21	-	0.67	38.75	1.31	3.00	-	-

Maximum Reactions Summary - Framing

X-Loc	Grid	Hrz left (-Hx) (k)	Load Case	Hrz Right (Hx) (k)	Load Case	Hrz In (-Hz) (k)	Load Case	Hrz Out (Hz) (k)	Load Case	Uplift (-Vy) (k)	Load Case	Vrt Down (Vy) (k)	Load Case	Mom cw (-Mzz) (in-k)	Load Case	Mom ccw (Mzz) (in-k)	Load Case
0/0/0	3-D	4.22	6	3.10	15	-	-	-	-	2.35	4	36.70	2	-	-	-	-
20/6/0	3-C	-	-	-	-	0.67	19	0.67	20	6.79	4	58.91	2	-	-	-	-
50/0/0	3-A	5.01	4	5.84	7	-	-	-	-	4.74	5	14.50	2	-	-	-	-

Bracing

X-Loc	Grid	Description
0/0/0	3-D	Diagonal bracing at base is attached to column. Reactions are NOT included with frame reactions. See wall elevation for reactions.
50/0/0	3-A	Diagonal bracing at base is attached to column. Reactions are NOT included with frame reactions. See wall elevation for reactions.



DESIGN LOADS AND REACTIONS

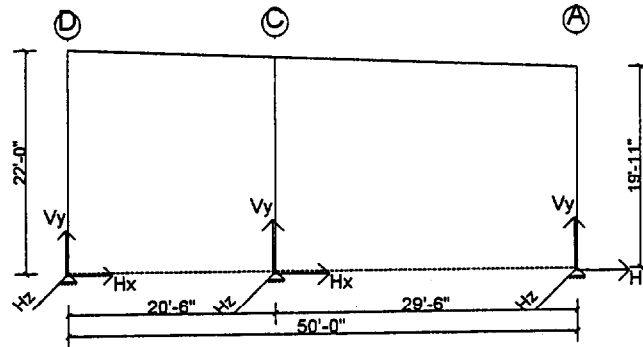
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Wall : 4, Frame at: 60/0/0
Frame ID:CB1 20/6

Frame Type:Continuous Beam



Values shown are resisting forces of the foundation.

Reactions - Load Type at Frame Cross Section: 4

Type		Exterior Column		Interior Column			Exterior Column			
X-Loc		0/0/0		20/6/0			50/0/0			
Grid1 - Grid2		4-D		4-C			4-A			
Base Plate W x L (in.)		8 x 16		9 x 11			8 x 13			
Base Plate Thickness (in.)		0.375		0.500			0.375			
Anchor Bolt Qty/Diam. (in.)		4 - 0.750		4 - 0.750			4 - 0.750			
Column Base Elev.		100'-0"		100'-0"			100'-0"			
Load Type	Desc.	Hx	Vy	Hx	Hx	Vy	Hx	Vy		
D	Frm	0.07	0.77	-	-	2.21	-0.07	1.12	-	-
CG	Frm	0.03	28.17	-	-	28.55	-0.03	0.28	-	-
L	Frm	0.35	2.53	-	-	9.19	-0.35	4.28	-	-
S	Frm	1.08	7.75	-	-	28.15	-1.08	13.10	-	-
SD	Frm	-	-	-	-	-	-	-	-	-
W1>	Frm	-3.52	-3.12	-	-	-9.00	-4.93	-1.02	-	-
<W1	Frm	2.92	-1.13	-	-	-6.15	5.29	-5.86	-	-
W2>	Frm	-4.30	-2.18	-	-	-6.61	-4.31	0.50	-	-
<W2	Frm	2.14	-0.19	-	-	-3.76	5.91	-4.34	-	-
WP	Frm	2.10	-2.55	-	-	-6.47	-1.68	-4.12	-	-
E>	Frm	-1.37	-0.27	-	-0.67	-0.79	-1.63	1.09	-	-
EG+	Frm	-	1.45	-	-	1.57	-	0.08	-	-
<E	Frm	1.37	0.27	-	0.67	0.79	1.63	-1.09	-	-
EG-	Frm	-	-1.45	-	-	-1.57	-	-0.08	-	-



DESIGN LOADS AND REACTIONS

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Frame Reactions - Load Cases at Frame Cross Section: 4

X-Loc		0/0/0		20/6/0			50/0/0			
Grid1 - Grid2		4-D		4-C			4-A			
Ld	Description	Hx	Vy	Hx	Hz	Vy	Hx	Vy		
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)	(k)		
1	D + CG + L	0.45	31.48	-	-	39.95	-0.45	5.67	-	-
2	D + CG + S	1.18	36.70	-	-	58.91	-1.18	14.50	-	-
3	D + CG + SD + S	1.18	36.70	-	-	58.91	-1.18	14.50	-	-
4	D + W1>	-3.45	-2.35	-	-	-6.79	-5.01	0.10	-	-
5	D + <W1	2.99	-0.36	-	-	-3.94	5.22	-4.74	-	-
6	D + W2>	-4.22	-1.41	-	-	-4.40	-4.39	1.62	-	-
7	D + <W2	2.21	0.58	-	-	-1.55	5.84	-3.22	-	-
8	D + WP	2.17	-1.77	-	-	-4.26	-1.75	-3.00	-	-
9	D + CG + L + W1>	-2.28	28.50	-	-	30.90	-4.06	3.84	-	-
10	D + CG + L + <W1	2.55	30.00	-	-	33.04	3.61	0.21	-	-
11	D + CG + L + W2>	-2.86	29.21	-	-	32.69	-3.60	4.98	-	-
12	D + CG + L + <W2	1.97	30.70	-	-	34.83	4.07	1.35	-	-
13	D + CG + L + WP	1.94	28.94	-	-	32.80	-1.62	1.51	-	-
14	D + CG + SD + S + W1>	-1.73	32.42	-	-	45.12	-4.61	10.46	-	-
15	D + CG + SD + S + <W1	3.10	33.91	-	-	47.26	3.06	6.83	-	-
16	D + CG + SD + S + W2>	-2.31	33.12	-	-	46.91	-4.14	11.60	-	-
17	D + CG + SD + S + <W2	2.51	34.61	-	-	49.05	3.53	7.97	-	-
18	D + CG + SD + S + WP	2.48	32.85	-	-	47.01	-2.17	8.13	-	-
19	D + CG + L + E> + EG+	-0.92	32.66	-	-0.67	40.73	-2.08	6.85	-	-
20	D + CG + L + <E + EG+	1.82	33.19	-	0.67	42.31	1.17	4.66	-	-
21	D + CG + SD + S + E> + EG+	-1.05	31.68	-	-0.67	37.17	-1.94	5.19	-	-
22	D + CG + SD + S + <E + EG+	1.68	32.21	-	0.67	38.75	1.31	3.00	-	-

Maximum Reactions Summary - Framing

X-Loc	Grid	Hz left (-Hx) (k)	Load Case	Hz Right (Hx) (k)	Load Case	Hz In (-Hz) (k)	Load Case	Hz Out (Hz) (k)	Load Case	Uplift (-Vy) (k)	Load Case	Vrt Down (Vy) (k)	Load Case	Mom cw (-Mzz) (in-k)	Load Case	Mom ccw (Mzz) (in-k)	Load Case
0/0/0	4-D	4.22	6	3.10	15	-	-	-	-	2.35	4	36.70	2	-	-	-	-
20/6/0	4-C	-	-	-	-	0.67	19	0.67	20	6.79	4	58.91	2	-	-	-	-
50/0/0	4-A	5.01	4	5.84	7	-	-	-	-	4.74	5	14.50	2	-	-	-	-

Bracing

X-Loc	Grid	Description
0/0/0	4-D	Diagonal bracing at base is attached to column. Reactions are NOT included with frame reactions. See wall elevation for reactions.
50/0/0	4-A	Diagonal bracing at base is attached to column. Reactions are NOT included with frame reactions. See wall elevation for reactions.



DESIGN LOADS AND REACTIONS

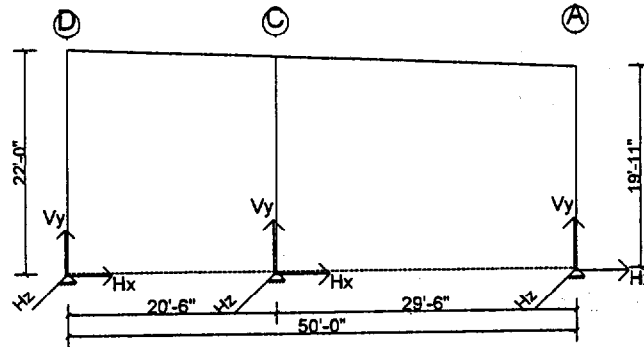
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Wall : 4, Frame at: 80/0/0
Frame ID:CB1 20/6

Frame Type:Continuous Beam



Values shown are resisting forces of the foundation.
Reactions - Load Type at Frame Cross Section: 5

Type		Exterior Column		Interior Column			Exterior Column			
X-Loc		0/0/0		20/6/0			50/0/0			
Grid1 - Grid2		5-D		5-C			5-A			
Base Plate W x L (in.)		8 x 20		9 x 11			8 x 13			
Base Plate Thickness (in.)		0.375		0.500			0.375			
Anchor Bolt Qty/Diam. (in.)		4 - 0.750		4 - 0.750			4 - 0.750			
Column Base Elev.		100'-0"		100'-0"			100'-0"			
Load Type	Desc.	Hx	Vy	Hx	Hx	Vy	Hx	Vy		
D	Frm	0.08	0.78	-	-	2.16	-0.08	1.10	-	-
CG	Frm	0.03	28.18	-	-	28.52	-0.03	0.27	-	-
L	Frm	0.37	2.54	-	-	8.85	-0.37	4.21	-	-
S	Frm	1.15	7.78	-	-	27.09	-1.15	12.90	-	-
SD	Frm	-	-	-	-	-	-	-	-	-
W1>	Frm	-3.71	-3.55	-	-	-7.95	-4.54	-1.31	-	-
<W1	Frm	3.06	-0.74	-	-	-6.61	4.94	-5.46	-	-
W2>	Frm	-4.47	-2.64	-	-	-5.61	-3.93	0.16	-	-
<W2	Frm	2.30	0.17	-	-	-4.27	5.55	-3.99	-	-
WP	Frm	2.06	-2.47	-	-	-6.34	-1.66	-4.00	-	-
E>	Frm	-1.47	-0.45	-	-0.67	-0.48	-1.52	0.97	-	-
EG+	Frm	-	1.45	-	-	1.56	-	0.08	-	-
<E	Frm	1.47	0.45	-	0.67	0.48	1.52	-0.97	-	-
EG-	Frm	-	-1.45	-	-	-1.56	-	-0.08	-	-



DESIGN LOADS AND REACTIONS

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Frame Reactions - Load Cases at Frame Cross Section: 5

X-Loc		0/0/0		20/6/0			50/0/0			
Grid1 - Grid2		5-D		5-C			5-A			
Ld	Description	Hx	Vy	Hx	Hx	Vy	Hx	Vy		
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)	(k)		
1	D + CG + L	0.48	31.50	-	-	39.53	-0.48	5.59	-	-
2	D + CG + S	1.25	36.74	-	-	57.77	-1.25	14.28	-	-
3	D + CG + SD + S	1.25	36.74	-	-	57.77	-1.25	14.28	-	-
4	D + W1>	-3.63	-2.77	-	-	-5.79	-4.61	-0.21	-	-
5	D + <W1	3.13	0.04	-	-	-4.45	4.87	-4.36	-	-
6	D + W2>	-4.39	-1.86	-	-	-3.45	-4.00	1.27	-	-
7	D + <W2	2.37	0.95	-	-	-2.11	5.48	-2.88	-	-
8	D + WP	2.14	-1.69	-	-	-4.18	-1.73	-2.89	-	-
9	D + CG + L + W1>	-2.40	28.20	-	-	31.35	-3.79	3.55	-	-
10	D + CG + L + <W1	2.68	30.30	-	-	32.36	3.32	0.44	-	-
11	D + CG + L + W2>	-2.97	28.88	-	-	33.11	-3.33	4.66	-	-
12	D + CG + L + <W2	2.11	30.99	-	-	34.11	3.78	1.55	-	-
13	D + CG + L + WP	1.93	29.01	-	-	32.56	-1.63	1.54	-	-
14	D + CG + SD + S + W1>	-1.82	32.13	-	-	45.04	-4.37	10.07	-	-
15	D + CG + SD + S + <W1	3.26	34.24	-	-	46.04	2.74	6.96	-	-
16	D + CG + SD + S + W2>	-2.39	32.82	-	-	46.79	-3.91	11.18	-	-
17	D + CG + SD + S + <W2	2.69	34.92	-	-	47.80	3.20	8.07	-	-
18	D + CG + SD + S + WP	2.51	32.94	-	-	46.24	-2.21	8.06	-	-
19	D + CG + L + E> + EG+	-0.99	32.49	-	-0.67	40.61	-2.00	6.64	-	-
20	D + CG + L + <E + EG+	1.95	33.39	-	0.67	41.57	1.03	4.70	-	-
21	D + CG + SD + S + E> + EG+	-1.13	31.51	-	-0.67	37.18	-1.85	5.00	-	-
22	D + CG + SD + S + <E + EG+	1.81	32.41	-	0.67	38.14	1.18	3.07	-	-

Maximum Reactions Summary - Framing

X-Loc	Grid	Hrz left (-Hx) (k)	Load Case	Hrz Right (Hx) (k)	Load Case	Hrz In (-Hz) (k)	Load Case	Hrz Out (Hz) (k)	Load Case	Uplift (-Vy) (k)	Load Case	Vrt Down (Vy) (k)	Load Case	Mom cw (-Mzz) (in-k)	Load Case	Mom ccw (Mzz) (in-k)	Load Case
0/0/0	5-D	4.39	6	3.26	15	-	-	-	-	2.77	4	36.74	2	-	-	-	-
20/6/0	5-C	-	-	-	-	0.67	19	0.67	20	5.79	4	57.77	2	-	-	-	-
50/0/0	5-A	4.61	4	5.48	7	-	-	-	-	4.36	5	14.28	2	-	-	-	-

Bracing

X-Loc	Grid	Description
0/0/0	5-D	Diagonal bracing at base is attached to column. Reactions are NOT included with frame reactions. See wall elevation for reactions.
50/0/0	5-A	Diagonal bracing at base is attached to column. Reactions are NOT included with frame reactions. See wall elevation for reactions.



DESIGN LOADS AND REACTIONS

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Wall : 4, Frame at: 99/0/0

Design Load Combinations - Framing

No.	Do Not Use	Origin	Factor	Application	Description
1		System	1.000	1.0 D + 1.0 CG + 1.0 L	D + CG + L
2		System	1.000	1.0 D + 1.0 CG + 1.0 S	D + CG + S
3		System	1.000	1.0 D + 1.0 CG + 1.0 SD + 1.0 S	D + CG + SD + S
4		System	1.333	1.0 D + 1.0 W1>	D + W1>
5		System	1.333	1.0 D + 1.0 <W1	D + <W1
6		System	1.333	1.0 D + 1.0 W2>	D + W2>
7		System	1.333	1.0 D + 1.0 <W2	D + <W2
8		System	1.333	1.0 D + 1.0 WP	D + WP
9		System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W1>	D + CG + L + W1>
10		System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W1	D + CG + L + <W1
11		System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 W2>	D + CG + L + W2>
12		System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 <W2	D + CG + L + <W2
13		System	1.000	1.0 D + 1.0 CG + 0.750 L + 0.750 WP	D + CG + L + WP
14		System	1.000	1.0 D + 1.0 CG + 0.750 SD + 0.750 S + 0.750 W1>	D + CG + SD + S + W1>
15		System	1.000	1.0 D + 1.0 CG + 0.750 SD + 0.750 S + 0.750 <W1	D + CG + SD + S + <W1
16		System	1.000	1.0 D + 1.0 CG + 0.750 SD + 0.750 S + 0.750 W2>	D + CG + SD + S + W2>
17		System	1.000	1.0 D + 1.0 CG + 0.750 SD + 0.750 S + 0.750 <W2	D + CG + SD + S + <W2
18		System	1.000	1.0 D + 1.0 CG + 0.750 SD + 0.750 S + 0.750 WP	D + CG + SD + S + WP
19		System	1.333	1.0 D + 1.0 CG + 1.0 L + 1.0 E> + 1.0 EG+	D + CG + L + E> + EG+
20		System	1.333	1.0 D + 1.0 CG + 1.0 L + 1.0 <E + 1.0 EG+	D + CG + L + <E + EG+
21		System	1.333	1.0 D + 1.0 CG + 0.200 SD + 0.200 S + 1.0 E> + 1.0 EG+	D + CG + SD + S + E> + EG+
22		System	1.333	1.0 D + 1.0 CG + 0.200 SD + 0.200 S + 1.0 <E + 1.0 EG+	D + CG + SD + S + <E + EG+



DESIGN LOADS AND REACTIONS

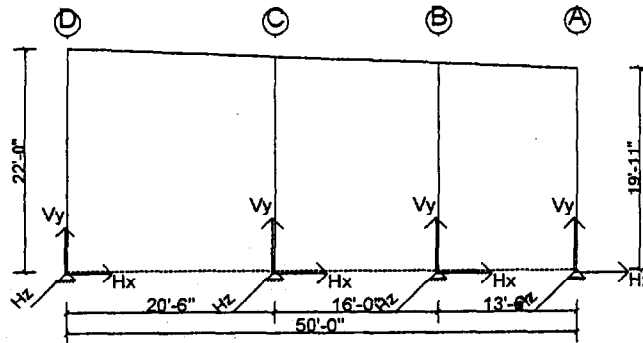
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Wall : 4, Frame at: 99/0/0
Frame ID:cb

Frame Type:Continuous Beam, End Posts



Values shown are resisting forces of the foundation.

Reactions - Load Type at Frame Cross Section: 6

Type		Exterior Column		Interior Column			Interior Column			Exterior Column		
X-Loc		0/0/0		20/6/0			36/6/0			50/0/0		
Grid1 - Grid2		6-D		6-C			6-B			6-A		
Base Plate W x L (in.)		8 x 17		8 x 11			8 x 9			8 x 13		
Base Plate Thickness (in.)		0.375		0.375			0.375			0.375		
Anchor Bolt Qty/Diam. (in.)		4 - 0.750		4 - 0.750			4 - 0.750			4 - 0.750		
Column Base Elev.		100'-0"		100'-0"			100'-0"			100'-0"		
Load Type	Desc.	Hx	Vy	Hx	H _z	Vy	Hx	H _z	Vy	Hx	Vy	
D	Frm	0.05	0.74	-	-	1.35	-	-	0.23	-0.05	0.86	-
CG	Frm	0.02	14.11	-	0.30	14.26	-	-	-	-0.02	0.16	-
L	Frm	0.22	1.56	-	-	4.47	-	-	-	-0.22	2.39	-
S	Frm	0.67	4.78	-	-	13.68	-	-	-	-0.67	7.33	-
SD	Frm	-	-	-	-	0.24	-	-	-	-	0.22	-
W1>	Frm	-1.99	-2.10	-	-	-4.14	-	-	-	-2.68	-0.68	-
<W1	Frm	1.49	-0.65	-	-	-3.30	-	-	-	2.61	-2.96	-
W2>	Frm	-2.39	-1.56	-	-	-2.89	-	-	-	-2.28	0.09	-
<W2	Frm	1.09	-0.12	-	-	-2.06	-	-	-	3.01	-2.19	-
WP	Frm	1.09	-1.45	-	-	-3.37	-	-	-	-1.09	-2.08	-
E>	Frm	-0.91	-0.32	-	0.21	-0.28	-	0.46	-	-1.09	0.62	-
EG+	Frm	-	0.73	-	0.01	0.78	-	-	-	-	0.04	-
<E	Frm	0.91	0.32	-	-0.21	0.28	-	-0.46	-	1.09	-0.62	-
EG-	Frm	-	-0.73	-	-0.01	-0.78	-	-	-	-	-0.04	-



DESIGN LOADS AND REACTIONS

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Frame Reactions - Load Cases at Frame Cross Section: 6

X-Loc		0/0/0		20/6/0			36/6/0			50/0/0		
Grid1 - Grid2		6-D		6-C			6-B			6-A		
Ld	Description	Hx	Vy	Hx	Hx	Vy	Hx	Hx	Vy	Hx	Vy	
Cs	(application factor not shown)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	(k)	
1	D + CG + L	0.29	16.41	-	0.30	20.08	-	-	0.23	-0.29	3.41	-
2	D + CG + S	0.74	19.62	-	0.30	29.29	-	-	0.23	-0.73	8.35	-
3	D + CG + SD + S	0.74	19.62	-	0.30	29.54	-	-	0.23	-0.73	8.57	-
4	D + W1>	-1.94	-1.36	-	-	-2.78	-	-	0.23	-2.73	0.19	-
5	D + <W1	1.54	0.08	-	-	-1.95	-	-	0.23	2.56	-2.09	-
6	D + W2>	-2.34	-0.82	-	-	-1.54	-	-	0.23	-2.33	0.95	-
7	D + <W2	1.14	0.62	-	-	-0.70	-	-	0.23	2.96	-1.33	-
8	D + WP	1.14	-0.72	-	-	-2.02	-	-	0.23	-1.14	-1.22	-
9	D + CG + L + W1>	-1.26	14.44	-	0.30	15.86	-	-	0.23	-2.24	2.31	-
10	D + CG + L + <W1	1.35	15.53	-	0.30	16.49	-	-	0.23	1.72	0.60	-
11	D + CG + L + W2>	-1.56	14.85	-	0.30	16.80	-	-	0.23	-1.94	2.88	-
12	D + CG + L + <W2	1.05	15.93	-	0.30	17.42	-	-	0.23	2.03	1.17	-
13	D + CG + L + WP	1.05	14.92	-	0.30	16.44	-	-	0.23	-1.05	1.25	-
14	D + CG + SD + S + W1>	-0.92	16.86	-	0.30	22.95	-	-	0.23	-2.58	6.18	-
15	D + CG + SD + S + <W1	1.69	17.94	-	0.30	23.58	-	-	0.23	1.39	4.47	-
16	D + CG + SD + S + W2>	-1.22	17.26	-	0.30	23.89	-	-	0.23	-2.28	6.75	-
17	D + CG + SD + S + <W2	1.39	18.34	-	0.30	24.51	-	-	0.23	1.69	5.04	-
18	D + CG + SD + S + WP	1.38	17.34	-	0.30	23.53	-	-	0.23	-1.38	5.12	-
19	D + CG + L + E> + EG+	-0.63	16.81	-	0.52	20.59	-	0.46	0.23	-1.38	4.08	-
20	D + CG + L + <E + EG+	1.20	17.46	-	0.10	21.14	-	-0.46	0.23	0.81	2.84	-
21	D + CG + SD + S + E> + EG+	-0.71	16.21	-	0.52	18.90	-	0.46	0.23	-1.29	3.19	-
22	D + CG + SD + S + <E + EG+	1.11	16.85	-	0.10	19.46	-	-0.46	0.23	0.89	1.96	-

Maximum Reactions Summary - Framing

X-Loc	Grid	Hz left (-Hx) (k)	Load Case	Hz Right (Hx) (k)	Load Case	Hz In (-Hz) (k)	Load Case	Hz Out (Hz) (k)	Load Case	Uplift (-Vy) (k)	Load Case	Vrt Down (Vy) (k)	Load Case	Mom cw (-Mzz) (in-k)	Load Case	Mom ccw (Mzz) (in-k)	Load Case
0/0/0	6-D	2.34	6	1.69	15	-	-	-	-	1.36	4	19.62	2	-	-	-	-
20/6/0	6-C	-	-	-	-	-	-	0.52	19	2.78	4	29.54	3	-	-	-	-
36/6/0	6-B	-	-	-	-	0.46	20	0.46	19	-	-	0.23	1	-	-	-	-
50/0/0	6-A	2.73	4	2.96	7	-	-	-	-	2.09	5	8.57	3	-	-	-	-

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.

Yr 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.

- NA Footing/Building Location Inspection: Prior to pouring concrete
- AA Re-Bar Schedule Inspection: Prior to pouring concrete
- AA Foundation Inspection: Prior to placing ANY backfill
- NA Framing/Rough Plumbing/Electrical: Prior to any insulating or drywalling
- Rw 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

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

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

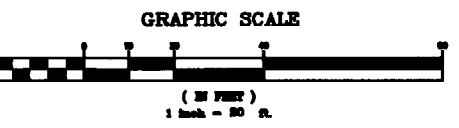
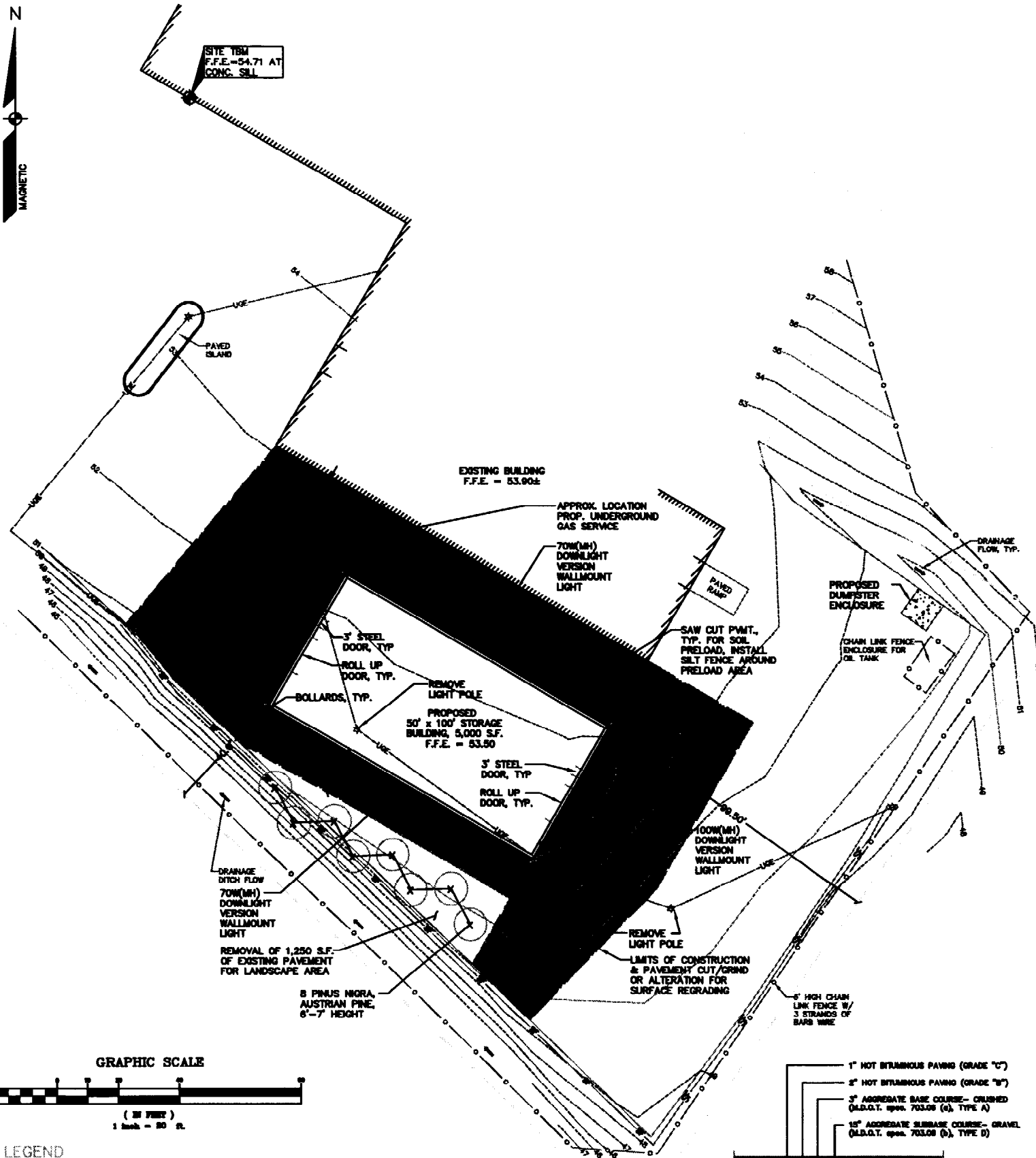
[Signature]
Signature of applicant/designee
Date 3-4-02

[Signature]
Signature of Inspections Official
Date 3/4/02

CBL: 317 B 005 Building Permit #: 020098

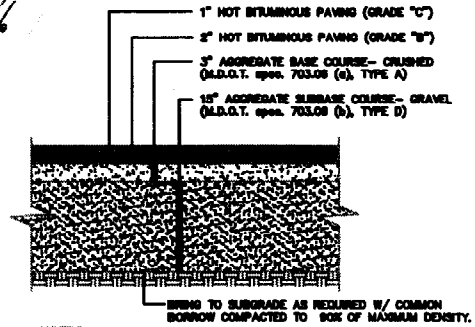


SITE TBM
F.F.E. = 54.71 AT
CONC. SLL



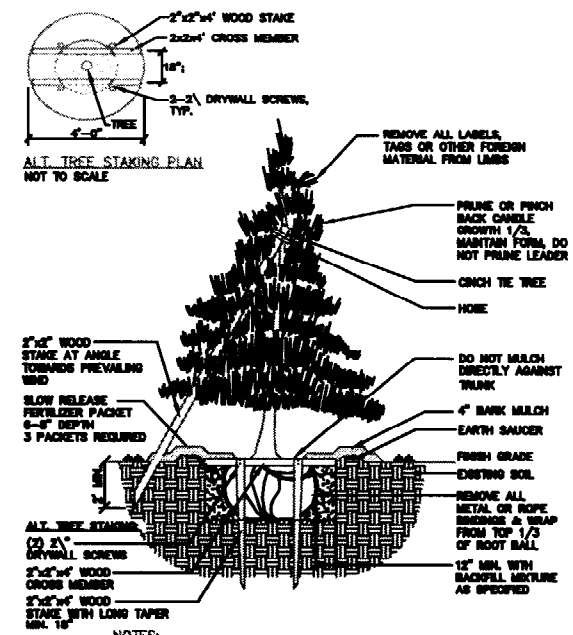
LEGEND

EXISTING	DESCRIPTION	PROPOSED
---	PROPERTY/ROW	---
---	IRON PIPE/ROD	---
---	BUILDING	---
---	EDGE PAVEMENT	---
---	CURLINE	---
124	CONTOURS	124
---	UNDERGROUND ELEC. & TEL.	---
○	LIGHT POLE	○
○	SPOT GRADE	30x20
---	CHAIN LINK FENCE	---
○	CONIFEROUS TREE	○
○	SILT FENCE	○
○	BENCHMARK	○



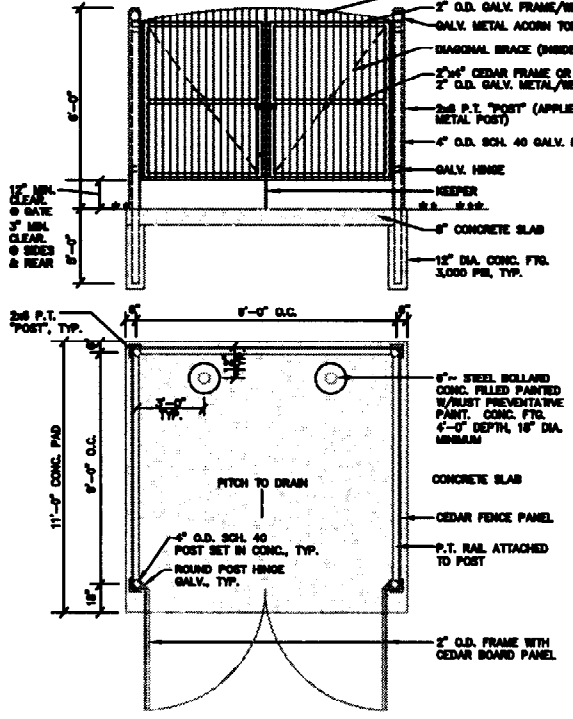
NOTES:
1. COMPACT GRAVEL SUBBASE, BASE COURSE TO 92% OF MAXIMUM DENSITY USING HEAVY ROLLER COMPACTION.
2. CONTRACTOR SHALL SET GRADE STAKES MARKING SUBBASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.

TYP. PAVED PARKING LOT SECTION
NOT TO SCALE



NOTES:
INSTALL STAKES AND GUYS TO TREES IF THE FOLLOWING APPLY:
1. THE TREE IS OF SUBSTANTIAL SIZE.
2. THE PLANTING LOCATION IS EXTREMELY WINDY, AS ON OPEN UNDEVELOPED SITES.
3. THE PLANTING LOCATION IS COMPRISED OF SAND OR OTHER LOOSE TEXTURED SOILS.
4. IF STAKES AND GUYS ARE REQUIRED, REMOVE AFTER ONE YEAR TIME.

DECIDUOUS TREES UNDER 2" CALIPER OR UNDER 8' IN HEIGHT
EVERGREEN TREES 7"-8" IN HEIGHT & UNDER



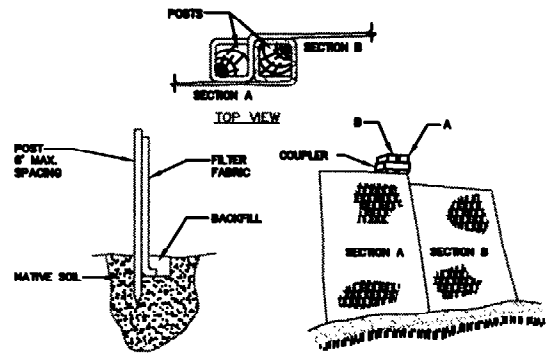
TYPICAL DUMPSTER ENCLOSURE
NOT TO SCALE

GENERAL NOTES:

- APPLICANT: BIG MOOSE HARLEY-DAVIDSON, 375 RIVERSIDE STREET, PORTLAND, MAINE, 04102.
- DEED REFERENCE: BOOK 8705, PAGE 31.
- TAX ASSESSORS REFERENCE: TAX MAP 317, BLOCK B, LOT 5
- PLAN REFERENCES:
 - "SITE PLAN, LANDSCAPE PLAN" FOR STEVE REYNOLDS SUBARU, RIVERSIDE STREET, PORTLAND, MAINE BY DESIGN COLLABORATIVE CO., INC.
- TOTAL LOT AREA: 2.87 Ac.
- ZONING DISTRICT: B-4 ZONE
- USE: MOTORCYCLE STORAGE FACILITY
- SPACE AND BLANK CRITERIA:

MIN. LOT SIZE:	10,000 S.F.
MIN. STREET FRONTAGE:	50'
MIN. FRONT YARD:	20'
MIN. SIDE YARD:	1-2 STORES = 12'
MIN. REAR YARD:	3+ STORES = 12'
MIN. BUILDING HEIGHT:	20'
MAX. SUPERVISORY SURFACE RATIO = 80%	
MAX. FLOOR AREA RATIO (FAR) = 0.85	
- BUILDING SUMMARY: 5,000 S.F. STORAGE FACILITY - ACCESSORY USE
- PARKING SPACE REQUIREMENTS:

REQUIRED: 1 SPACE FOR EVERY 1,000 S.F. (FOR PART OF BUSINESS NOT OBTAINING TO RETAIL TRADE WITH FLOOR AREA OVER 3,000 S.F.)	
PROPOSED: 5 SPACES	
- THE TOPOGRAPHIC SURVEY WAS PERFORMED BY SEBAGO TECHNIQS, INC. ELEVATIONS BASED ON BELL OF EXISTING BUILDING OF 54.71 FROM PLAN REFERENCE A.
- THE FACILITY IS SERVICED BY PRIVATE SUBSURFACE WASTEWATER SYSTEM, CITY WATER, GAS, UNDERGROUND ELECTRIC AND TELEPHONE. NO SERVICES OTHER THAN UNDERGROUND ELECTRIC WILL BE REQUIRED FOR THE STORAGE FACILITY.
- METHODS AND MATERIALS USED IN THE CONSTRUCTION OF THE IMPROVEMENTS HEREIN SHALL CONFORM TO THE CURRENT CITY CONSTRUCTION STANDARDS AND SPECIFICATIONS AND/OR CURRENT M.D.O.T. STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR OR DEVELOPER IS REQUIRED TO NOTIFY THE CITY OF PORTLAND INSPECTION SERVICES DIVISION IN WRITING THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION (874-4300), SHOULD THE IMPROVEMENTS BE OF SIGNIFICANT CONCERN OR IN A SENSITIVE AREA, A PRE-CONSTRUCTION MEETING MAY BE REQUIRED AT THE DISCRETION OF THE PLANNING AUTHORITY.
- AN APPROVED SET OF PLANS AND ALL APPLICABLE PERMITS MUST BE AVAILABLE AT THE CONSTRUCTION SITE. THE DEVELOPER, OR AN AUTHORIZED AGENT, MUST BE AVAILABLE AT ALL TIMES DURING CONSTRUCTION.
- WARNING SIGNS, MARKERS OR BARRICADES APPROPRIATE FOR THE TYPE OF CONSTRUCTION MUST BE EMPLOYED DURING CONSTRUCTION.
- CONSTRUCTION DEBRIS SHALL BE CONTAINERIZED AND DISPOSED OF IN ACCORDANCE WITH CITY OF PORTLAND'S SOLID WASTE ORDINANCE CHAPTER 12.
- ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE REPAIRED BY THE DEVELOPER/CONTRACTOR AT THEIR EXPENSE.
- THE ENTIRE SITE SHALL BE DEVELOPED AND/OR MAINTAINED AS SPECIFIED ON THE SITE PLAN. APPROVAL OF THE PLANNING AUTHORITY OR PLANNING BOARD SHALL BE REQUIRED FOR ANY ALTERATIONS TO OR DEVIATIONS FROM THE APPROVED SITE PLAN, INCLUDING, WITHOUT LIMITATION, TOPOGRAPHY, DRAINAGE, LANDSCAPE, RETENTION OF WOODED OR LAWN AREAS, ACCESS SIZE, LOCATION AND SURFACING OF PARKING AREAS, AND LOCATION AND SIZE OF BUILDINGS.



INSTALLATION:

- DIG A 6" x 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
- UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
- DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
- LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND FILLING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPANIED BY AN INTERCEPTION DITCH.
- JOIN SECTION AS SHOWN ABOVE.
- BARRIER SHALL BE SHOWN SILT FENCE OR EQUAL.

FILTER BARRIER
NOT TO SCALE

REV.	BY:	DATE:	STATUS:
B	JRS	11-20-01	REVISE PER PLANNING COMMENTS
A	JRS	10-31-01	ISSUED TO CITY FOR REVIEW

MINOR SITE PLAN
OF:
BIG MOOSE HARLEY-DAVIDSON
375 RIVERSIDE STREET
PORTLAND, MAINE
FOR:
PATCO CONSTRUCTION INC.
1283 MAIN STREET
SANFORD, MAINE 04073

DESIGN BY: JRS
DRAWN BY: BRP
CHECKED BY: JRS
DATE: 10-28-01
SCALE: 1"=20'
FIELD BK: 575A
PROJ. NO: 01430
DRAWING: 01430S
SHEET 1 OF 1

Sebago Technics
Engineering & Planning for the Future
ONE CHABOT STREET
WESTBROOK, ME 04096-1330
TEL (207) 856-0277