DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING PERMIT

This is to certify that PLASMINE TECHNOLOGY INC. **Located At** 33 BISHOP ST

Job ID: 2012-05-4092-ALTCOMM **CBL:** 293- A-008-001

has permission to Construct a 12'x20' loading dock & 24'x6'4" concrete vehicle ramp on existing building, re-build adj..steps **provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.**

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.	A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer **Code Enforcement Officer / Plan Reviewer** 7/9/12

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

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

Job No:	Date Applied:	CBL:	
2012-05-4092-ALTCOMM	**5/25/2012**	**293- A-008-001**	
Location of Construction: **33 BISHOP ST**	Owner Name: **PLASMINE TECHNOLOGY INC.**	Owner Address: **3298 SUMMIT BLVD BLDG 35** **PENSACOLA, FL 32503**	Phone: **207-797-5004**
Business Name:	Contractor Name: **Fortin Construction**	Contractor Address: **35 Markarlyn St., Auburn ME 04210**	Phone: **(207) 786-8737**
Lessee/Buyer's Name:	Phone:	Permit Type: **BLDG - Building**	Zone: **I-M**
Past Use: Plasmine Technology Inc. – warehouse/production	Proposed Use: Same – Plasmine Technology – warehouse/production – replace existing ramp & build loading dock.	Cost of Work: **52000.00**	CEO District:
		Fire Dept: ___ Approved ___ Denied ___ N/A Signature: Capt. Prim	Inspection: Use Group: S-1 Type: 5B IBC 2004 Signature: JMB 7/9/12
Proposed Project Description: **Construct a loading dock and ramp (existing)**		Pedestrian Activities District (P.A.D.)	
Permit Taken By: **Brad**			

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 electrial work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
___ Shoreland	___ Variance	✓ Not in Dist or Landmark
___ Wetlands	___ Miscellaneous	___ Does not Require Review
___ Flood Zone	___ Conditional Use	___ Requires Review
___ Subdivision	___ Interpretation	___ Approved
___ Site Plan	___ Approved	___ Approved w/Conditions
___ Maj ___ Min ___ MM	___ Denied	___ Denied
Date: OK 6/5/12 AGH	Date:	Date: AGH

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 appication 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

8-17-12 DwM Mark 576-8568 footings poured + back filled w/o Inspe
Provide revised plans (drainage) + letter from engineer re: footing

8/30/12 flee plans for Ext. egress steps on adjacent Bldg.
JMB

9/20/12 GF ~~STAIRS NEED RISERS NO OH~~ GROUND
~~RAFTER CUT TO ±6"~~ NEED CLIPS
~~STAIR WIDTH 2'-9½"~~ GUARD HT. NEEDS TO BE 42" min
HAND RAIL RETURNS

10-2-12 GF All Corrected

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

Footings/Setbacks prior to pouring concrete

Close In Elec/Plmb/Frame prior to insulate or gyp

Final Inspection

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

Job ID: 2012-05-4092-ALTCOMM **Located At:** 33 BISHOP ST **CBL:** 293- A-008-001

Conditions of Approval:

Fire

1. Installation shall comply with City Code Chapter 10.
2. All construction shall comply with City Code Chapter 10.
3. http://www.portlandmaine.gov/citycode/chapter010.pdf

Building

1. Application approval based upon information provided by the applicant or design professional, including revised plans received dated 7/9/12. Any deviation from approved plans requires separate review and approval prior to work.
2. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
3. Plans and details of the re-construction of the adjacent building steps and landing shall be submitted for review prior to work on this.

IM

General 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.

2012-05-4092 - ALTCOMM

Location/Address of Construction: 33 Bishop Street		
Total Square Footage of Proposed Structure/Area	Square Footage of Lot	Number of Stories: 1
Tax Assessor's Chart, Block & Lot Chart# 293 Block# A008 Lot#	Applicant: (must be owner, lessee or buyer) Name Plasmine Technology Address 33 Bishop St. City, State & Zip Portland, ME 04103	Telephone: 797-5004
Lessee/DBA RECEIVED MAY 23 2012 Dept of Building Inspections City of Portland Maine	Owner: (if different from applicant) Name Same Address City, State & Zip	Cost of Work: $52,000 C of O Fee: $ Historic Review: $ Planning Amin.: $~~540.00~~ Total Fee: $ 540.00

Current legal use (i.e. single family) Commercial Business Number of Residential Units 0
If vacant, what was the previous use? _____
Proposed Specific use: Commercial Business - Same
Is property part of a subdivision? NO If yes, please name _____
Project description: To construct a loading Dock and Replace Existing Ramp

Contractor's name: Fortin Construction Inc Email: markf@fortinconstruction.com
Address: 35 Markalyn St
City, State & Zip Auburn, ME 04210 Telephone: 786-8737
Who should we contact when the permit is ready: Mark Fortin Telephone: 786-8237 or Email above
Mailing address: Same

Please submit all of the information outlined on the applicable checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

and 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: Mark C. Fortin Date: 05/08/12

This is not a permit; you may not commence ANY work until the permit is issued

PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Receipts Details:

Tender Information: Check , Check Number: 17483
Tender Amount: 540.00

Receipt Header:

Cashier Id: bsaucier
Receipt Date: 5/25/2012
Receipt Number: 44352

Receipt Details:

Referance ID:	6669	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	540.00	Charge Amount:	540.00
Job ID: Job ID: 2012-05-4092-ALTCOMM - Construct a loading dock and ramp (existing)			
Additional Comments: 33 Bishop ST.			

Thank You for your Payment!

Jeanie Bourke - 33 Bishop st ramp

From: "Mark Fortin" <markf@fortinconstruction.com>
To: <jmb@portlandmaine.gov>
Date: 6/21/2012 8:53 AM
Subject: 33 Bishop st ramp
Attachments: plasmine x section.pdf

Hey Jeanie,

I attached the cross sections you asked for the Plasmine Technology storage building on 33 bishop st.

I did confirm with owner that the building is 7,910 sq ft and the building is used as a storage facility.
They do not have sprinklers installed and building is of wood combustible constructions as we talked about earlier.

As for the 8 deg on the ramp, you were correct in thinking it would too long, although we are planning for the end of the ramp to be apox. 14" off the finish grade at the end as the cross section show.

I hope this answers all the questions you have, and we are able to move on with project.

Please give me another call or respond to this email if you have any further questions.

Have a great day!

Thank you,
Mark Fortin
Purchasing Manager
Fortin Construction, Inc.
Cell (207)576-8568
www.fortinconstruction.com

scan my QR code to save my contact information

2012 0540 92

Administrative Authorization Application

Portland, Maine

Planning and Urban Development Department, Planning Division

PROJECT NAME: Plasmine Technology

PROJECT ADDRESS: 33 Bishop ST **CHART/BLOCK/LOT:** 239-A-8 93

APPLICATION FEE: ✓ **($50.00)**

PROJECT DESCRIPTION: (Please Attach Sketch/Plan of the Proposal/Development)

CONTACT INFORMATION:

OWNER/APPLICANT		CONSULTANT/AGENT	
Name:	Fortin Construction	**Name:**	Mark Fortin
Address:	35 Marilyn ST Auburn, ME 04210	**Address:**	" "
Work #:	786-8737	**Work #:**	"
Cell #:	576-8568	**Cell #:**	"
Fax #:	753-0402	**Fax #:**	"
Home #:	—	**Home #:**	
E-mail:	mark@fortinconstruction.com	**E-mail:**	"

Criteria for an Administrative Authorization:
(see section 14-523(4) on pg .2 of this appl.)

		Applicant's Assessment Y(yes), N(no), N/A
a)	Is the proposal within existing structures?	Y
b)	Are there any new buildings, additions, or demolitions?	Y
c)	Is the footprint increase less than 500 sq. ft.?	Y
d)	Are there any new curb cuts, driveways or parking areas?	N
e)	Are the curbs and sidewalks in sound condition?	Y
f)	Do the curbs and sidewalks comply with ADA?	Y
g)	Is there any additional parking?	N
h)	Is there an increase in traffic?	N
i)	Are there any known stormwater problems?	N
j)	Does sufficient property screening exist?	Y
k)	Are there adequate utilities?	Y
l)	Are there any zoning violations?	N
m)	Is an emergency generator located to minimize noise?	N
n)	Are there any noise, vibration, glare, fumes or other impacts?	N

Signature of Applicant:	**Date:**
Mark Fortin	6-5-12

IMPORTANT NOTICE TO APPLICANT: The granting of an Administrative Authorization to exempt a development from site plan review does not exempt this proposal from other required approvals or permits, nor is it an authorization for construction. You should first check with the Building Inspections Office, Room 315, City Hall (207)874-8703, to determine what other City permits, such as a building permit, will be required.

Administrative Authorization Decision

Name: Plasemine Technology
Address: 33 Bishop Street
Project Description: increasing size of loading dock and enclsoing

Criteria for an Adminstrative Authorizations: 14-523 (4) on page 2 of this application)	**Applicant's Assessment Y(yes), N(no), N/A**	**Planning Division (See Section Use Only**	
a) Is the proposal within existing structures?	Y	Y enclosing loading dock	
b) Are there any new buildings, additions, or demolitions?	Y	Y	
c) Is the footprint increase less than 500 sq. ft.?	Y	Y	
d) Are there any new curb cuts, driveways or parking areas?	N	N	
e) Are the curbs and sidewalks in sound condition?	Y	Y	
f) Do the curbs and sidewalks comply with ADA?	Y	Y	
g) Is there any additional parking?	N	N	
h) Is there an increase in traffic?	N	N	
i) Are there any known stormwater problems?	N	N	
j) Does sufficient property screening exist?	Y	Y	
k) Are there adequate utilities?	Y	Y	
l) Are there any zoning violations?	N	N	
m)Is an emergency generator located to minimize noise?	N	N	
n) Are there any noise, vibration, glare, fumes or other impacts?	N	N	

The Administrative Authorization for Plasemine Technolology at 33 Bishop Street was approved by Barbara Barhydt, Development Review Services Manager on June 25, 2012 with the following condition(s) of approval listed below:

1. Standard Condition of Approval: The applicant shall obtain all required City Permits, including building permits from the Inspection Division (874-8703) and any other permits required from the Department of Public Services (874-8801) prior to the start of any construction.

Barbara Barhydt

Barbara Barhydt
Development Review Services Manager
Date of Approval: June 25, 2012

Jeanie Bourke - 33 Bishop st loading dock

From: "Mark Fortin" <markf@fortinconstruction.com>
To: "'Jeanie Bourke'" <JMB@portlandmaine.gov>
Date: 7/9/2012 8:33 AM
Subject: 33 Bishop st loading dock
Attachments: Plasmine Technology IFC.PDF

Hey Jeanie,

I attached the plans that the structural engineer drew up for us on that loading dock. I believe I answered all your questions, but if I haven't please give me a call and let me know.

At this point the customer is getting a little anxious so please, if you could get this moving so we can start on the project sooner than latter. I appreciate your patience with us as we had to pull all of this together.

You will have to print this out on at least 11X17 paper to be able to read it. The larger the better. Again, let me know if you have any questions!

Thank you,
Mark Fortin
Purchasing Manager
Fortin Construction, Inc.
Cell (207)576-8568
www.fortinconstruction.com

scan my QR code to save my contact information

Jeanie Bourke - RE: side step detail Plasmine

From: Jeanie Bourke
To: Mark Fortin
Date: 8/30/2012 4:06 PM
Subject: RE: side step detail Plasmine

Thanks

>>> Mark Fortin <MFortin@fortinconstruction.com> 8/30/2012 2:08 PM >>>
Is this sufficient?

293-A008

Thank you,
Mark Fotin
Fortin Construction Inc.
(207)786-8737 ext. 215
Cell (207)576-8568
fortinconstruction.com

Scan this QR code to save my contact information!

RECEIVED
AUG 30 2012
Dept. of Building Inspections
City of Portland Maine

From: Jeanie Bourke [mailto:JMB@portlandmaine.gov]
Sent: Thursday, August 30, 2012 1:23 PM
To: Mark Fortin
Subject: Re: side step detail Plasmine

I would like the description labels to be complete...it is not clear what some say....
Thanks

>>> Mark Fortin <MFortin@fortinconstruction.com> 8/30/2012 12:22 PM >>>
Do you need me to change anything? Or are we all set?

Thank you,
Mark Fortin

On Aug 30, 2012, at 9:00 AM, "Jeanie Bourke" <JMB@portlandmaine.gov> wrote:

> Not to be picky Mark, but the descriptions are broken up.
> Jeanie
>
> >>> Mark Fortin <MFortin@fortinconstruction.com> 8/29/2012 1:55 PM >>>
> Here is the updated plan. Please let me know if we need anything else.
> Thank you,

Mark Fotin
Fortin Construction Inc.
(207)786-8737 ext. 215
Cell (207)576-8568
fortinconstruction.com
Scan this QR code to save my contact information!
<mime-attachment.jpg>

From: Jeanie Bourke [mailto:JMB@portlandmaine.gov]
Sent: Wednesday, August 29, 2012 1:27 PM
To: Mark Fortin
Subject: RE: side step detail Plasmine

If the stair is exiting from the industrial area, the toe kick is allowed up to 7". Graspable hand rails are always required on both sides of stairs with returns at 34"-38", with few exceptions.
Just remember the tread dimension is measured from tread nose to tread nose.
Thanks for getting these details,
Jeanie

>>> Mark Fortin <MFortin@fortinconstruction.com> 8/29/2012 9:24 AM >>>
I am not sure how you classify the use of this stairway, it is attached the warehouse/storage area of the office building. I would consider that industrial, no customers will be using this set of stair; it will be employee only entrance. The reason we had left the toe kick is because that is what they requested, but if we need to make if flush for code we will. Please let me know on that.
We were planning on using a 2x4 railing. I guess that is not considered "graspable" but we did not have plans of putting in a second rail. Again if we need to add a graspable rail, just let me know and we will.
I will have our architect draw the framing details and cross section and get that back to you. We can also make the total tread depth 11".
Thank you,
Mark Fotin
Fortin Construction Inc.
(207)786-8737 ext. 215
Cell (207)576-8568
fortinconstruction.com
Scan this QR code to save my contact information!
<mime-attachment.jpg>

From: Jeanie Bourke [mailto:JMB@portlandmaine.gov]
Sent: Wednesday, August 29, 2012 9:01 AM
To: Mark Fortin
Subject: Re: side step detail Plasmine

Hi Mark,
I believe Don is the inspector in that area of the city, call 874-8703 or email buildinginspections@portlandmaine.gov to schedule.
On the stair design, I have the following comments as this will be required at inspection:
1. This is labeled as Plasmine Office Building, so is this business use or industrial? Reason being is that the landing is required to be at the level of the floor with some exceptions based on use, and business is not one of them.
2. The net tread is required to be 11" with no nosing projection, 90 degrees to the riser or an angled riser so an 11" seat cut.
3. Can you please provide more detail on the framing, ie. cross section showing beam size and bearing detail, joists and connectors.
4. Is the top rail on the stairs graspable and will there be another handrail on the wall?
Thanks Mark,
Jeanie

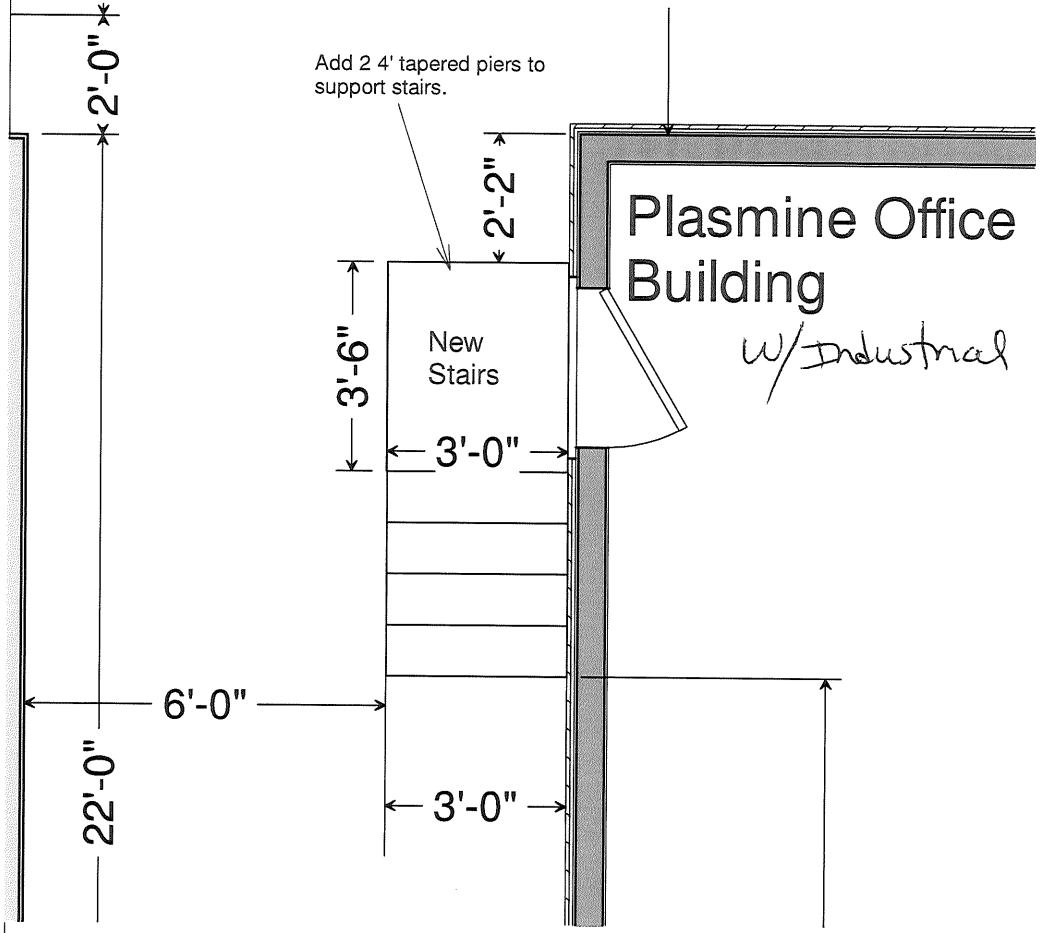
Jeanie Bourke
CEO/LPI/Plan Reviewer

City of Portland
Planning & Urban Development Dept./ Inspections Division
389 Congress St. Rm 315
Portland, ME 04101
jmb@portlandmaine.gov
Direct: (207) 874-8715
Office: (207) 874-8703

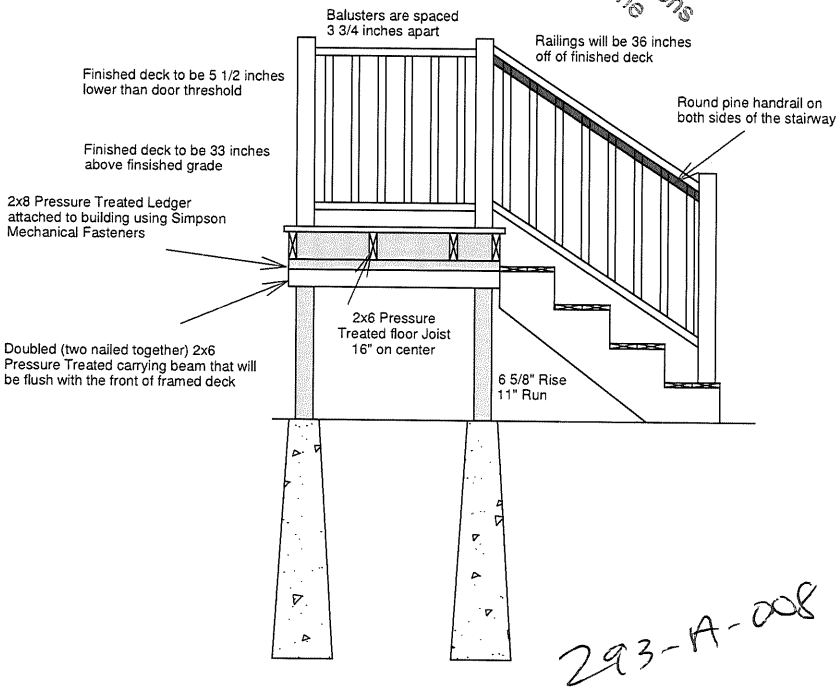
>>> Mark Fortin <MFortin@fortinconstruction.com> 8/28/2012 3:26 PM >>>
Hey Jeanie,
Here is the side steps detail you requested when we got the final grade dimensions for the loading dock at Plasmine, 33 Bishop st.
I understand this is last thing we need to submit to you for permitting/inspection up to this point, correct? If I you need anything else from us, please let me know.
If you have any questions on the drawing or anything about the job please give me a call or respond.
P.S. is Don the man that will be inspecting the framing and completion of the project as well? Or is he just the concrete/foundation inspector?
Again, thank you for all your help and patience with me and my company throughout this project!
Thank you,
Mark Fotin
Fortin Construction Inc.
(207)786-8737 ext. 215
Cell (207)576-8568
fortinconstruction.com
Scan this QR code to save my contact information!
<mime-attachment.jpg>

Fortin
Construction, Inc.

Customer Name:	*Plasmine Technology*	Plan Status: *Preliminary*	Revision Date: *05/16/12*	Scale:	*1/2" = 1' 0"*
Project Location:	*33 Bishop Street Portland, ME 04103*	Project Description:	*12'x20' Loading dock with 24' x 6' 4" Ramp*		



RECEIVED
AUG 30 2012
Dept. of Building Inspections
City of Portland Maine



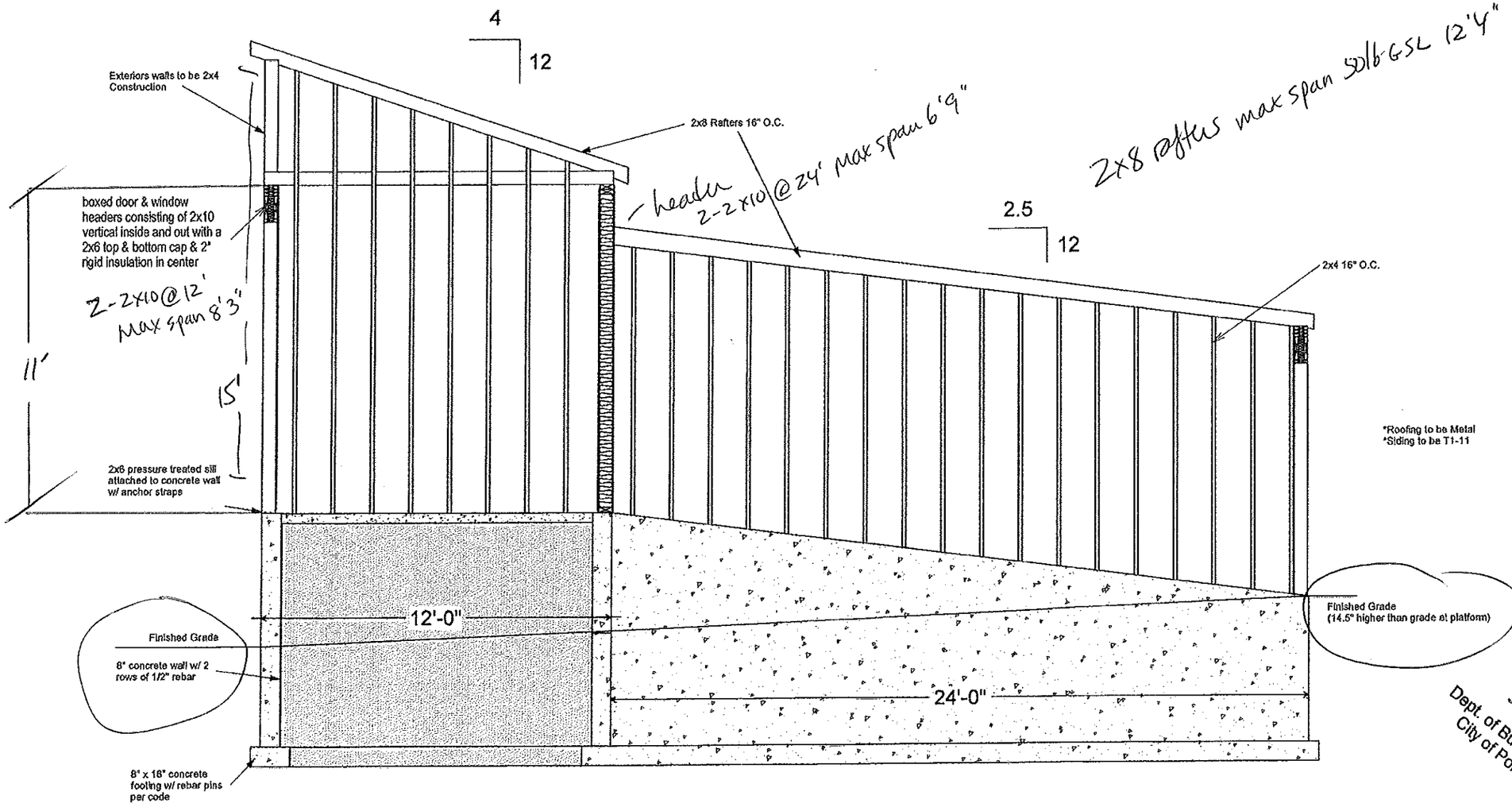
293-A-008

Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Entry Stairs

Fortin Construction, Inc.	Customer Name: *Plasmine Technology*	Plan Status: *Preliminary*	Revision Date: *05/16/12*	Scale: *1/4" = 1'0"*
	Project Location: *33 Bishop Street Portland, ME 04103*	Project Description: *12'x20' Loading dock with 24' x 6' 4" Ramp*		



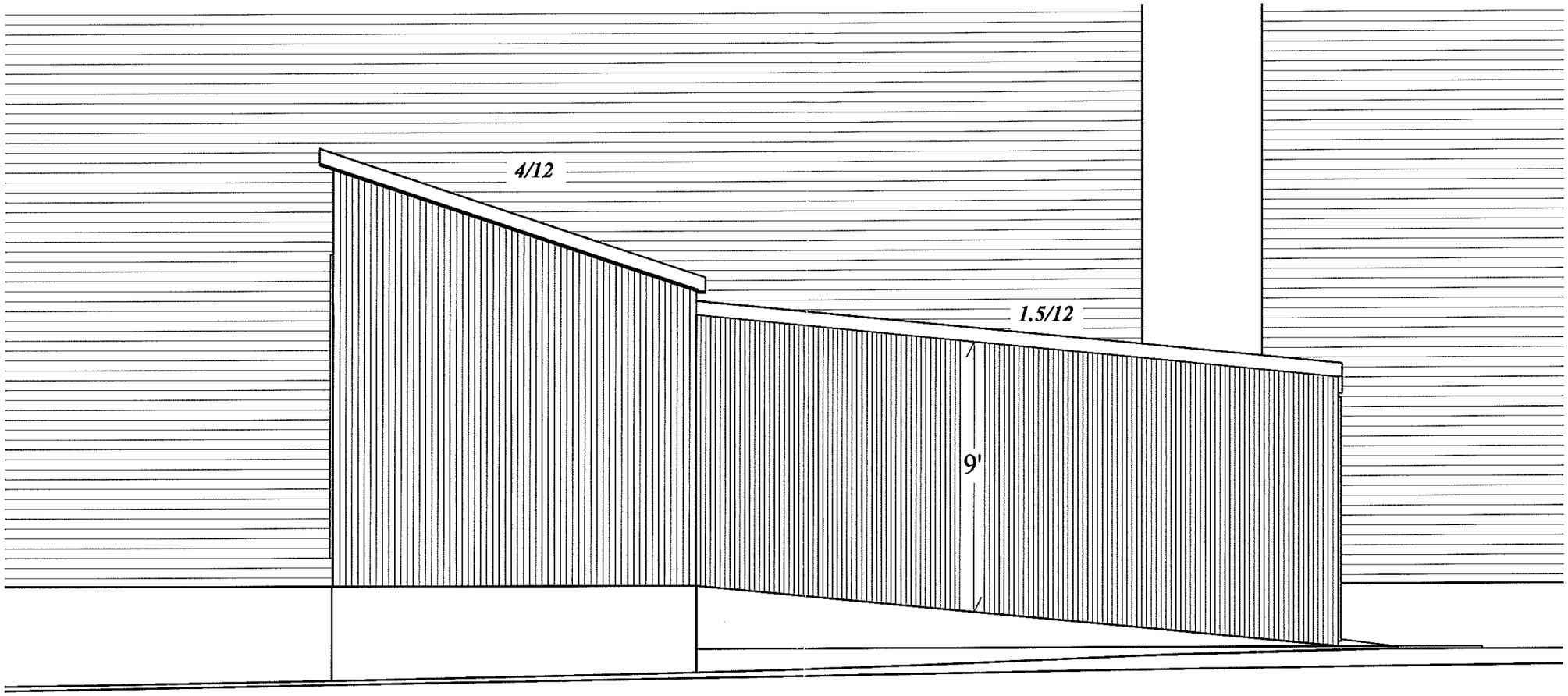
RECEIVED
JUN 21 2012
Dept. of Building Inspections
City of Portland Maine

Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Cross Sections

Fortin Construction, Inc.				
Customer Name: *Plasmine Technology*	Plan Status: *Preliminary*	Revision Date: *05/16/12*	Scale: *1/4" = 1'-0"*	
Project Location: *33 Bishop Street Portland, ME 04103*	Project Description: *12'x20' Loading dock with 24' x 6' 4" Ramp*			



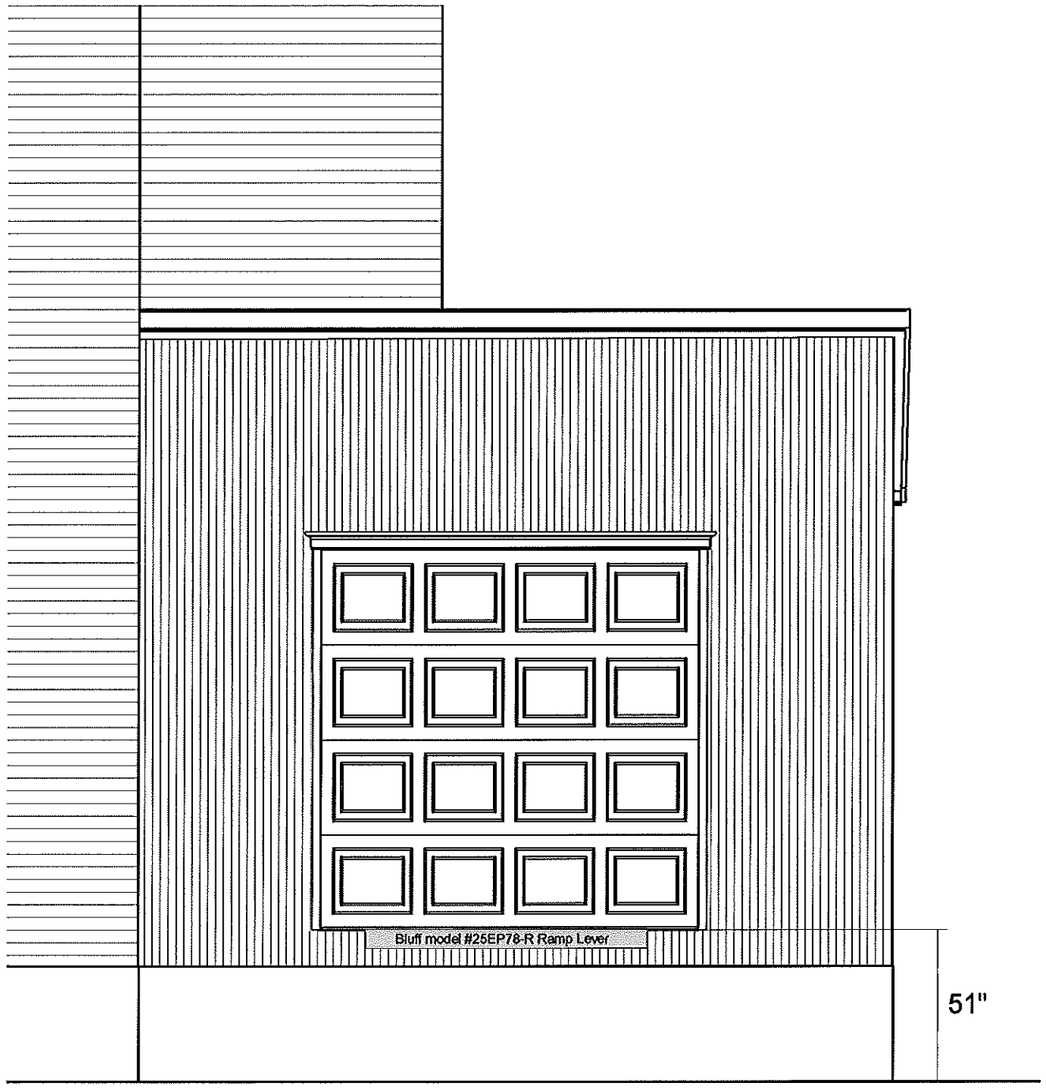
Right Elevation

Final Plans
Approved By/On: _____

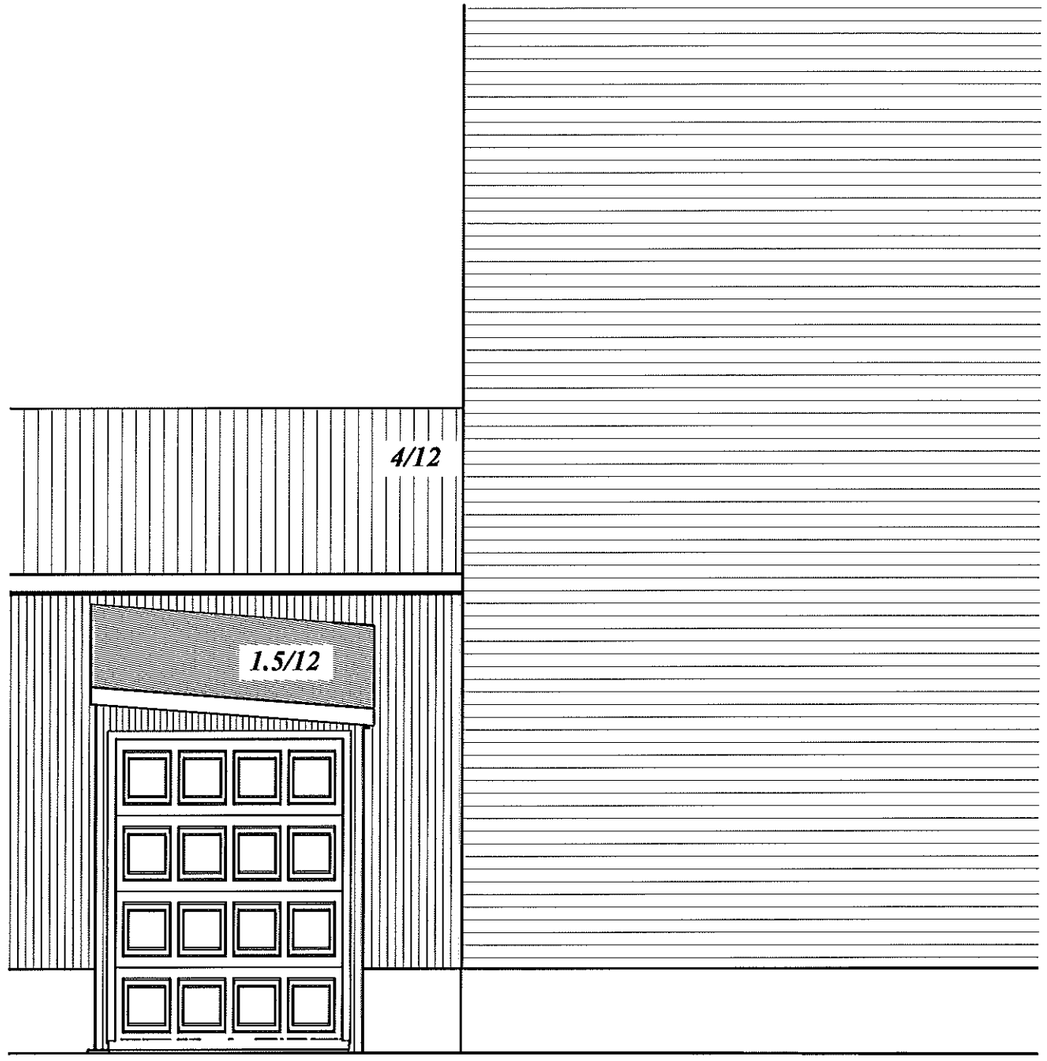
Flooring Breaks
Approved By/On: _____

Elevations & Perspectives

Fortin Construction, Inc.	Customer Name: *Plasmine Technology*	Plan Status: *Preliminary*	Revision Date: *05/16/12*	Scale: *1/4" = 1'-0"*
	Project Location: *33 Bishop Street Portland, ME 04103*	Project Description: *12'x20' Loading dock with 24' x 6' 4" Ramp*		



Front Elevation



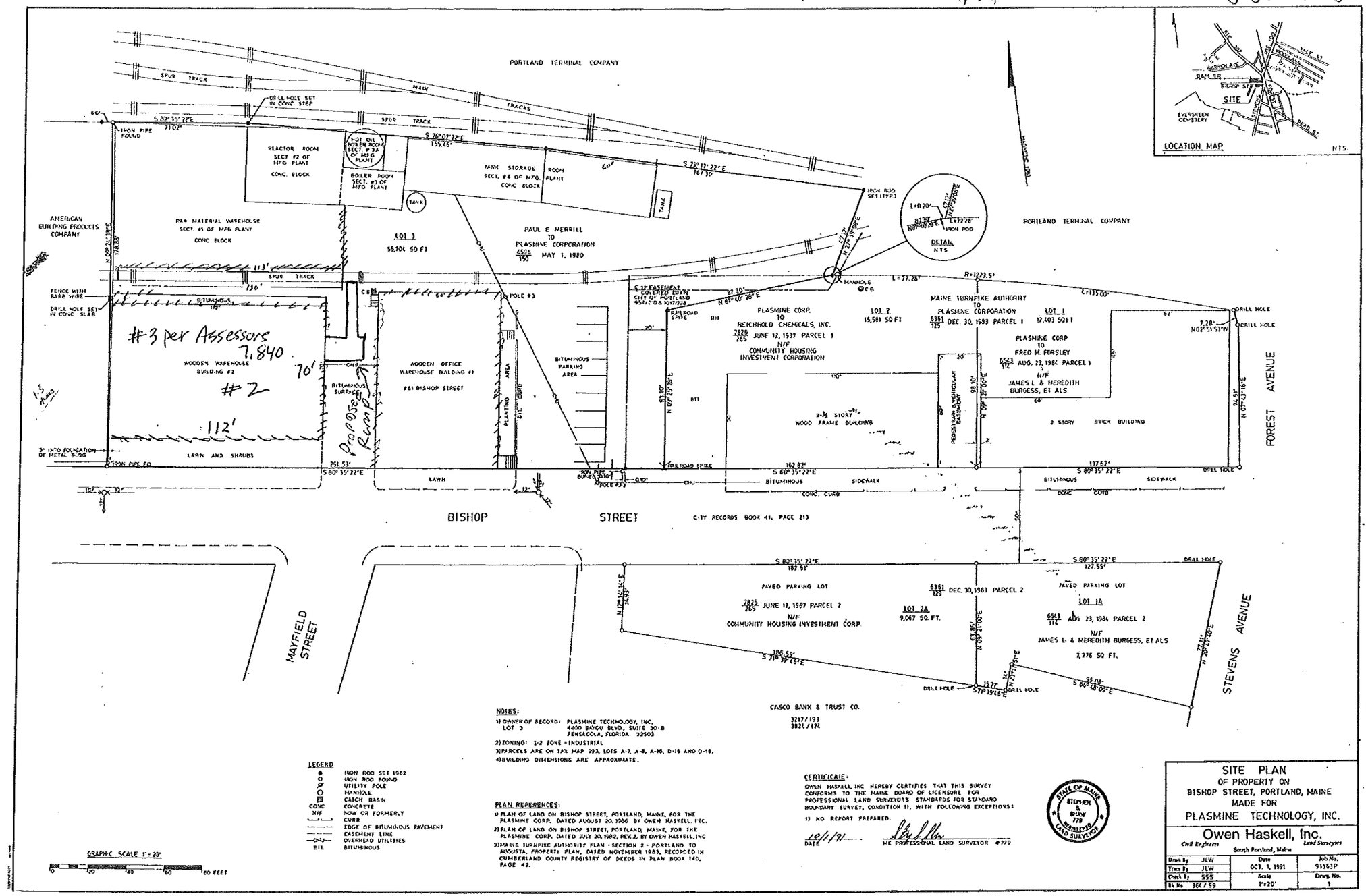
Rear Elevation

Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Elevations & Perspectives

IM zone - Impervious 75% - ramp on paved surface (OK)
Sidyard N/A
rear N/A
front - 1' for each foot of building high - 25 bldg is >35 setback (OK)



NOTES:

1) OWNER OF RECORD: LOT 3 — PLASMINE TECHNOLOGY, INC. 4400 BAYOU BLVD., SUITE 30-B PENSACOLA, FLORIDA 32503
2) ZONING: I-2 ZONE - INDUSTRIAL
3) PARCELS ARE ON TAX MAP 293, LOTS A-7, A-8, A-16, D-15 AND D-16.
4) BUILDING DIMENSIONS ARE APPROXIMATE.

PLAN REFERENCES:

1) PLAN OF LAND ON BISHOP STREET, PORTLAND, MAINE, FOR THE PLASMINE CORP. DATED AUGUST 20, 1986 BY OWEN HASKELL, INC.
2) PLAN OF LAND ON BISHOP STREET, PORTLAND, MAINE, FOR THE PLASMINE CORP. DATED JULY 20, 1982, REV. 2, BY OWEN HASKELL, INC
3) MAINE TURNPIKE AUTHORITY PLAN - SECTION 2 - PORTLAND TO AUGUSTA, PROPERTY PLAN, DATED NOVEMBER 1983, RECORDED IN CUMBERLAND COUNTY REGISTRY OF DEEDS IN PLAN BOOK 140, PAGE 42.

CERTIFICATE:

OWEN HASKELL, INC. HEREBY CERTIFIES THAT THIS SURVEY CONFORMS TO THE MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS STANDARDS FOR STANDARD BOUNDARY SURVEY, CONDITION II, WITH FOLLOWING EXCEPTIONS:

1) NO REPORT PREPARED.

10/1/91
DATE

ME PROFESSIONAL LAND SURVEYOR #779

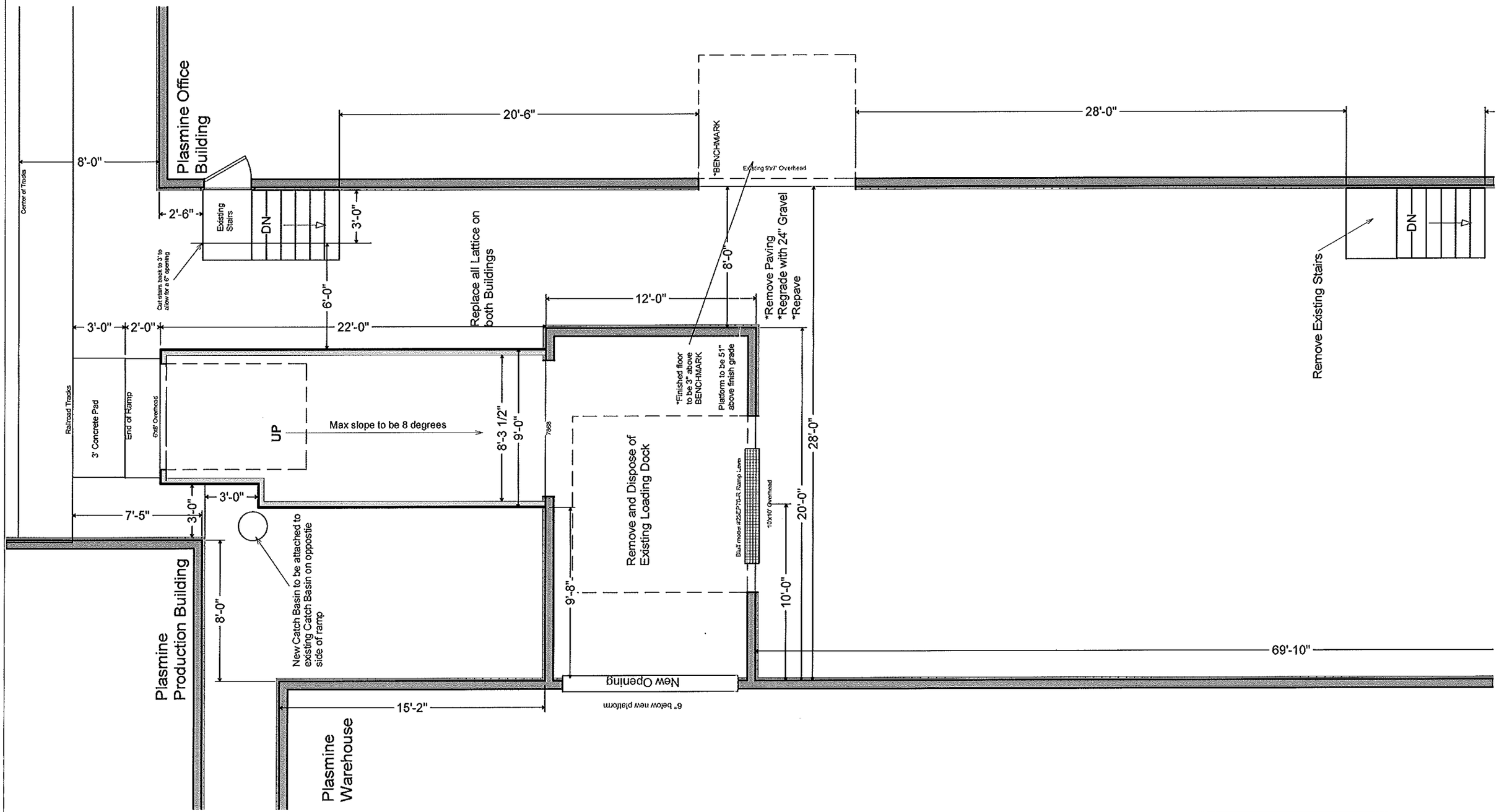
STATE OF MAINE STEPHEN J. BRAM 779 REGISTERED LAND SURVEYOR

SITE PLAN
OF PROPERTY ON
BISHOP STREET, PORTLAND, MAINE
MADE FOR
PLASMINE TECHNOLOGY, INC.

Owen Haskell, Inc.
Civil Engineers — South Portland, Maine — Land Surveyors

Drwn By	JLW	Date	Job No.
Trace By	JLW	OCT. 1, 1991	91163P
Check By	SSS	Scale	Drwg. No.
Bk No	166/59	1"=20'	1

Fortin Construction, Inc.	Customer Name: *Plasmine Technology*	Plan Status: *Preliminary*	Revision Date: *05/16/12*	Scale: *3/16" = 1'-0"*
	Project Location: *33 Bishop Street Portland, ME 04103*	Project Description: *12'x20' Loading dock with 24' x 6' 4" Ramp*		

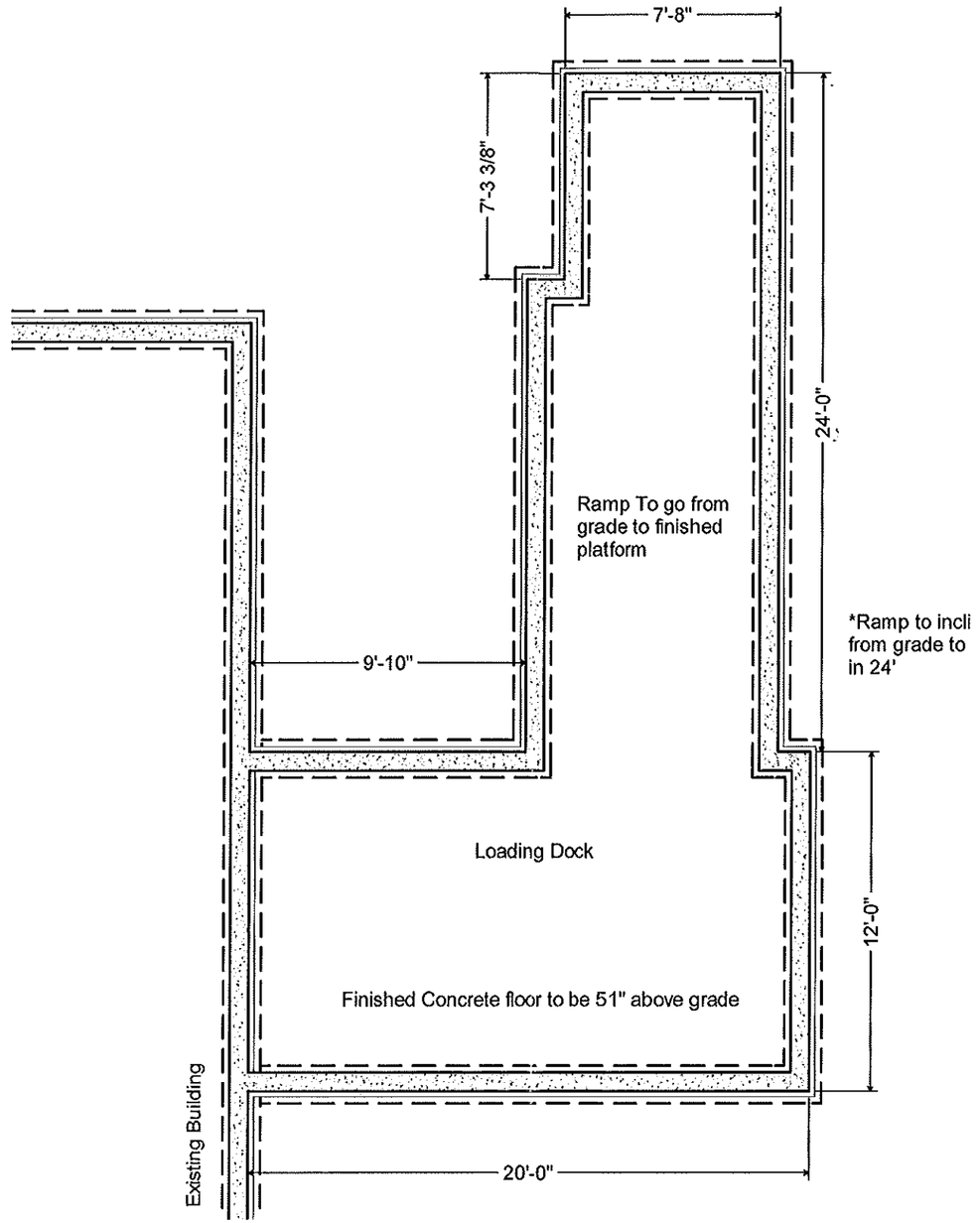


Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Layout

Fortin Construction, Inc.	Customer Name: *Plasmine Technology*	Plan Status: *Preliminary*	Revision Date: *05/16/12*	Scale: *3/16" = 1'-0"*
	Project Location: *33 Bishop Street Portland, ME 04103*	Project Description: *12'x20' Loading dock with 24' x 6' 4" Ramp*		



Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Foundation/ Basement

PRINTED: Jul 06, 2012

THE FOLLOWING BUILDING CODES AND STANDARDS SHALL BE REFERENCED DURING CONSTRUCTION:

IBC 2009	EDITION OF THE IBC INTERNATIONAL BUILDING CODE
ASCE 7	AMERICAN SOCIETY OF CIVIL ENGINEERS, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
ACI 301	AMERICAN CONCRETE INSTITUTE SPECIFICATION FOR STRUCTURAL CONCRETE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ACI 318	AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS
NDS	NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION BY NATIONAL FOREST PRODUCTS ASSOCIATION, 2005.

REFERENCE ARCHITECTURAL PLANS FOR DIMENSIONS NOT SHOWN. REFERENCE MECHANICAL, ELECTRICAL, AND ARCHITECTURAL PLANS FOR SIZES AND LOCATIONS OF WALL AND SLAB OPENINGS, DUCTS, PIPING, CURBS, AND EQUIPMENT PADS. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS, SPECIFICATIONS, OR NOTES ON THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION.

EXISTING DIMENSIONS AND CONDITIONS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL EXISTING CONSTRUCTION AND DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION OR FABRICATION. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO COMMENCING WORK.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF DEVIATIONS OR CHANGES ARE REQUIRED TO THE CONTRACT DOCUMENTS OR APPROVED SHOP DRAWINGS DUE TO INTERFERENCES, FABRICATION ERRORS, OR OTHER CAUSES.

THE STRUCTURE IS SELF-SUPPORTING AND STABLE AFTER THE ENTIRE BUILDING IS COMPLETELY CONSTRUCTED. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ERECTION PROCEDURES AND SEQUENCING DURING CONSTRUCTION AND ERECTION TO PROVIDE AND ENSURE LOCAL AND OVERALL STABILITY OF THE BUILDING AND ITS COMPONENTS DURING CONSTRUCTION AND ERECTION. THE CONTRACTOR SHALL RETAIN A LICENSED STRUCTURAL ENGINEER TO DESIGN TEMPORARY BRACING/SHORING AND DETERMINE WHERE THE TEMPORARY BRACING/SHORING IS NEEDED.

GENERAL NOTES

SCALE: NTS

SNOW LOADS:
GROUND SNOW LOAD, Pg = 60 PSF
SNOW EXPOSURE FACTOR, Ce = 1.0
SNOW LOAD IMPORTANCE FACTOR, I = 1.0
THERMAL FACTOR, Ct = 1.1
FLAT ROOF SNOW LOAD, Pf = 46 PSF + DRIFT

WIND LOADS:
BASIC WIND SPEED = 100 MPH
IMPORTANCE FACTOR, Iw = 1.0
WIND EXPOSURE B
MAIN WINDFORCE-RESISTING SYSTEM (INCLUDES WINDWARD + LEEWARD) = 15 PSF

SEISMIC CRITERIA:
SOIL SITE CLASSIFICATION = D
DESIGN SPECTRAL RESPONSE ACCELERATION:
Sds = .37
Sd1 = .16
SEISMIC USE GROUP I
SEISMIC DESIGN CATEGORY C
RESPONSE MODIFICATION COEFFICIENT.....R = 6.5
OCCUPANCY IMPORTANCE FACTOR.....I = 1.0
BASE SHEAR.....$V_S = Cs * W = 0.06 * W$
(W = SEISMIC WEIGHT)

DESIGN CRITERIA

SCALE: NTS

ALL CONCRETE WORK, INCLUDING MATERIAL SELECTION, ADMIXTURES, MIXING, AND PLACEMENT OF CONCRETE SHALL BE IN CONFORMANCE WITH APPLICABLE BUILDING CODES. IN ADDITION, REFERENCE THE FOLLOWING CONCRETE STANDARDS AND SPECIFICATIONS:

ACI 318 AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
ACI 301 AMERICAN CONCRETE INSTITUTE SPECIFICATIONS FOR STRUCTURAL CONCRETE
ACI 306 STANDARD SPECIFICATION FOR HOT WEATHER CONCRETING
ACI 306 STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING
ACI 308 STANDARD PRACTICE FOR CURING CONCRETE

REQUIRED CONCRETE PARAMETERS ARE AS FOLLOWS:

LOCATION	MAX W/C RATIO	$f'c$	AIR-ENTRAINMENT
INT. CONC./WALLS/SLABS	.52	3,000 PSI	2% ± 1½%
FOUNDATIONS, FOOTINGS, & FOUNDATION WALLS	.52	3,000 PSI	5-7%
INT. SLAB-ON-GRADE	.47	4,000 PSI	2% ± 1½%
EXT. SLAB-ON-GRADE	.45	4,000 PSI	6% ± 1½%

WHERE: W/C = WATER TO CEMENT RATIO AND
$f'c$ = COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS

MAXIMUM AGGREGATE SIZE SHALL BE ¾", IN CONFORMANCE WITH ASTM C33.
USE PORTLAND CEMENT TYPE II, IN CONFORMANCE WITH ASTM 150.
AIR ENTRAINING ADMIXTURES SHALL CONFORM TO ASTM C 260.
ADMIXTURES SHALL CONFORM TO "SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE" ASTM C 494.
FLY ASH USED AS ADMIXTURES SHALL CONFORM TO ASTM C 618.
CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CALCIUM CHLORIDE IS NOT PERMITTED.

MAXIMUM SLUMP AFTER THE ADDITION OF A WATER-REDUCING ADMIXTURE IS 8 INCHES.

CONCRETE EXPOSED TO FREEZING AND THAWING, INCLUDING FOUNDATIONS, FOOTINGS, FOUNDATION WALLS, AND EXTERIOR WALKWAYS SHALL BE AIR ENTRAINED WITH AIR CONTENT BETWEEN 5% AND 8%. CONTRACTOR SHALL NOT PLACE CONCRETE ON FROZEN GROUND OR IN WATER. ADEQUATE EQUIPMENT SHALL BE PROVIDED FOR HEATING CONCRETE MATERIALS AND PROTECTING CONCRETE DURING NEAR-FREEZING OR FREEZING WEATHER. REFERENCE ACI 306, AS NOTED ABOVE, FOR RECOMMENDATIONS FOR COLD WEATHER CONCRETING.

CONTRACTOR SHALL SUBMIT PROPOSED CONCRETE MIX DESIGN AND LABORATORY TESTS OF FABRICATED CYLINDERS VERIFYING CONCRETE STRENGTH OR PERFORMANCE HISTORY OF MIX TO ENGINEER FOR ACCEPTANCE PRIOR TO PLACEMENT OF CONCRETE. CONCRETE USED ON SITE SHALL BE FIELD TESTED IN ACCORDANCE WITH AND IN THE PRESENCE OF AN APPROVED TESTING AGENCY. FIELD TESTING INFORMATION SHALL INDICATE SLUMP, AIR CONTENT, AND TEMPERATURE. COMPRESSION TEST 1 CYLINDER AT 7 DAYS AND 2 AT 28 DAYS. HOLD AN ADDITIONAL CYLINDER FOR A 56 DAY BREAK, IF NECESSARY. PROVIDE A SET OF 4 CYLINDERS FOR EACH PLACEMENT AND PER 50 CUBIC YARDS OF CONCRETE PLACED. THE OWNER SHALL PAY FOR ALL CONCRETE TESTING.

CONSTRUCTION JOINTS IN WALLS SHALL BE PERMITTED AS DETAILED ON THE STRUCTURAL DRAWINGS. SURFACES OF CONCRETE CONSTRUCTION JOINTS SHALL BE CLEANED AND LAITANCE REMOVED. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, CONSTRUCTION JOINTS SHALL BE WETTED AND STANDING WATER REMOVED. VERTICAL CONSTRUCTION JOINTS IN WALLS SHALL NOT EXCEED A SPACING OF 40 FEET.

WHERE ELECTRICAL CONDUIT/ RADIANT HEATING TUBES RUN IN THE SLAB, THEY SHALL BE LOCATED AT MID-DEPTH OF THE SLAB. ALUMINUM CONDUIT AND SLEEVES ARE NOT PERMITTED.

ANCHOR BOLTS SHALL CONFORM TO ASTM F1554. ANCHOR BOLTS SHALL HAVE HEAVY HEX NUTS AND LOCK WASHERS.

CONCRETE NOTES

SCALE: NTS

USE DEFORMED BILLET-STEEL REINFORCING BARS, GRADE 60, IN CONFORMANCE WITH ASTM A615. REINFORCEMENT SHALL BE ACCURATELY PLACED AND SUPPORTED PRIOR TO CONCRETE PLACEMENT, AND SHALL BE SECURED AGAINST DISPLACEMENT.

THE CONTRACTOR SHALL SUBMIT REINFORCING SHOP DRAWINGS TO THE ENGINEER FOR REVIEW AND ACCEPTANCE PRIOR TO COMMENCING FABRICATION. REINFORCEMENT SHALL BE DETAILED IN ACCORDANCE WITH ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING OF REINFORCED CONCRETE STRUCTURES". SHOP DRAWINGS SHALL SHOW REINFORCING STEEL PLACEMENT DETAILS AND SECTIONS.

MINIMUM CONCRETE COVER FOR REINFORCEMENT	
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3 INCHES
CONCRETE EXPOSED TO EARTH OR WEATHER	2 INCHES
CONCRETE NOT EXPOSED TO EARTH OR WEATHER IN SLABS AND WALLS (FOR PRIMARY REINFORCEMENT, TIES, AND STIRRUPS)	1½ INCHES
CONCRETE NOT EXPOSED TO EARTH OF WEATHER IN COLUMNS AND BEAMS	1½ INCHES

CONTINUOUS REINFORCEMENT SHALL BE TENSION LAP SPLICED PER LAP SPLICE LENGTH TABLE, U.N.O..

LAP SPLICE LENGTH TABLE							
BAR SIZE	#3	#4	#5	#6	#7	#8	#9
MIN LAP SPLICE (INCHES)	18	24	30	36	48	64	81

REINFORCEMENT HOOKS SHALL CONFORM TO STANDARD HOOKS ACCORDING TO ACI 318.
WELDING OF REINFORCEMENT IS NOT PERMITTED, U.N.O.

CONCRETE REINFORCING NOTES

SCALE: NTS

SUBGRADE PREPARATION AND DETERMINATION (INCLUDING ALLOWABLE BEARING PRESSURE, STRUCTURAL FILL GRADATION REQUIREMENTS, COMPACTION REQUIREMENTS AND POST-CONSTRUCTION SETTLEMENT ANALYSIS) BENEATH FOOTINGS AND SLABS-ON-GRADE AND BEHIND FOUNDATION WALLS SHALL BE PROVIDED BY A GEOTECHNICAL ENGINEER. ALL FILL USED TO SUPPORT FOUNDATIONS AND SLABS-ON-GRADE SHALL CONSIST OF A WELL-GRADED, GRANULAR MATERIAL PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER. STRUCTURAL SLABS SHALL BE CONSTRUCTED ON A MINIMUM 12" THICK LAYER OF STRUCTURAL FILL SOIL WITH PROPERTIES PER THE GEOTECHNICAL ENGINEER.

PRESUMED ALLOWABLE SOIL BEARING PRESSURE USED IN DESIGN = 2,000 PSF.
BEARING CAPACITIES SHALL BE VERIFIED BY GEOTECHNICAL ENGINEER.
MINIMUM FROST DEPTH COVER = 4'-6" FOR EXTERIOR FOOTINGS BELOW FINAL EXTERIOR GRADE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.

FOUNDATIONS SHALL BEAR ON UNDISTURBED NATIVE SOIL, UNLESS NOTED OTHERWISE. BEARING ELEVATIONS SHALL BE LOWERED WHERE SUITABLE SOILS ARE NOT ENCOUNTERED. WHERE OVEREXCAVATION HAS OCCURRED, CONTRACTOR MAY PLACE LEAN CONCRETE ON TOP OF NATIVE SOIL. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL AND STRUCTURAL ENGINEER IF ANY UNSUITABLE SOILS ARE ENCOUNTERED PRIOR TO PLACING FOUNDATIONS.

FOUNDATION WALLS SHALL BE BACKFILLED SIMULTANEOUSLY ON BOTH SIDES OF THE WALL. FOUNDATION WALLS AND SLAB-ON-GRADES SHALL REACH THEIR FULL 28 DAY COMPRESSIVE STRENGTH PRIOR TO BACKFILLING. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING/BRACING FOR WALLS WHEN BACKFILL IS PLACED PRIOR TO CONCRETE ACHIEVING ITS FULL 28 DAY STRENGTH. BACKFILL FOR FOUNDATION WALLS IS BASED ON DRAINED CONDITIONS. SEE ARCHITECTURAL, CIVIL, AND MECHANICAL DRAWINGS FOR FOUNDATION DRAINAGE SYSTEM.

PROTECT FOUNDATIONS FROM FROST AND KEEP BOTTOM OF TRENCH DRY DURING CONSTRUCTION. IF GROUNDWATER IS ENCOUNTERED NEAR OR ABOVE THE BASE OF THE FOOTINGS, EXCAVATIONS SHALL BE DEWATERED DURING CONSTRUCTION. SURFACE WATER SHALL BE DIVERTED AWAY FROM EXCAVATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR THE SHORING AND BRACING OF EXISTING STRUCTURES DURING EXCAVATION, BACKFILLING, AND CONSTRUCTION. CONTRACTOR SHALL SLOPE EXCAVATIONS TO ACHIEVE SOIL STABILITY.

FOUNDATION NOTES

SCALE: NTS

ALL LUMBER SHALL BE VISUALLY GRADED AND STAMPED WITH GRADE DESIGNATION, SPECIES, AND ADDITIONAL INSPECTION INFORMATION, U.N.O..

CARE SHALL BE TAKEN TO PROTECT TIMBER FROM WEATHER AND DAMPNESS. DO NOT STACK IN SUCH A WAY AS TO CAUSE WARPING OR PREVENT ADEQUATE AIR CIRCULATION.

WOOD GRADES AND SPECIES:
1. SPRUCE-PINE-FIR, No.1/No.2 OR BETTER FOR TYPICAL LUMBER (JOISTS, WALLS, ETC) U.N.O.
2. USE SOUTHERN YELLOW PINE FOR EXTERIOR EXPOSURE APPLICATIONS AND WHERE SHOWN ON DRAWINGS AS PRESERVATIVE PRESSURE TREATED LUMBER (PT OR PPT).
3. WHERE NOTED LVL ON DRAWINGS, PROVIDE VERSA LAM 3100 BY BOISE CASCADE, OR EQUIVALENT, WHICH HAS THE FOLLOWING MINIMUM ALLOWABLE STRESSES:

A. LVL PROPERTIES:
Fb = 3100 PSI Fc = 2510 PSI (PARALLEL TO GRAIN)
Fv = 285 PSI Fc = 750 PSI (PERPENDICULAR TO GRAIN)
Ft = 1555 PSI E = 2,000,000 PSI

STRUCTURAL LUMBER SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19%.

PROVIDE PRESSURE TREATED OR WOLVANIZED LUMBER FOR ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE. ALL CONNECTORS THAT ARE IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE HOT-DIP GALVANIZED, U.N.O.

NOMINAL SIZES ARE TYPICALLY REFERENCED ON THE DRAWINGS. PROVIDE ACTUAL SIZES AS SET FORTH IN U.S. DEPARTMENT OF COMMERCE VOLUNTARY PRODUCT STANDARD PS20-99.

ALL PLYWOOD SHALL BE APA RATED COX SHEATHING:
1. USE ½" PLYWOOD WALL SHEATHING. ATTACH PLYWOOD WITH LONG SIDE PERPENDICULAR TO WALL STUDS. STAGGER PANEL ENDS AND BLOCK ALL PANEL EDGES.
2. USE ⅜" PLYWOOD ROOF SHEATHING. ATTACH PLYWOOD WITH LONG SIDE PERPENDICULAR TO FRAMING. STAGGER PANEL ENDS. USE SHEATHING CLIPS BETWEEN SHEETS WHERE BLOCKING IS NOT REQUIRED.
3. USE ¾" PLYWOOD FLOOR SHEATHING. ATTACH PLYWOOD WITH LONG SIDE PERPENDICULAR TO FRAMING. STAGGER PANEL ENDS.

PROVIDE FULL DEPTH BLOCKING AT ENDS AND INTERIOR SUPPORTS OF ALL JOISTS AND RAFTERS WHERE JOISTS AND RAFTERS FRAME OVER SUPPORTS. PROVIDE 1x3 DIAGONAL BRIDGING OR FULL DEPTH SOLID BLOCKING FOR EACH 8'-0" OF SPAN FOR ALL JOISTS AND RAFTERS.

WHERE BEAMS ARE LABELED ON PLAN, DO NOT SPLICE BEAM NOR ANY PLY OF BEAM BETWEEN SUPPORTS.

FASTENERS SHALL COMPLY WITH RECOMMENDED FASTENING SCHEDULE OF REFERENCED BUILDING CODE, U.N.O. ON DRAWINGS, SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING A MINIMUM OF 2-ROWS OF 16d NAILS AT 12" O.C. STAGGERED, UNLESS OTHERWISE NOTED IN IBOCA OR ON THE DRAWINGS. NAIL MULTIPLE LVL'S TOGETHER AS RECOMMENDED BY THE MANUFACTURER USING A MINIMUM OF 2-ROWS OF 16d NAILS AT 12" o.c. STAGGERED. ALL FASTENERS, NUTS, AND WASHERS SHALL BE HOT-DIPPED GALVANIZED.

ALIGN COLUMNS SUCH THAT COLUMNS BEAR CONTINUOUSLY TO FOUNDATION SUPPORT.

PROVIDE HORIZONTAL BLOCKING FOR ALL LOAD BEARING WALLS AT 4'-0" O.C. VERTICAL, MAXIMUM.

SUBMIT SHOP DRAWINGS FOR ALL PREFABRICATED WOOD JOISTS AND WALL PANELS TO ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.

WOOD NOTES

SCALE: NTS

AB	ANCHOR BOLT	L	ANGLE
ADDL	ADDITIONAL	LL	DOUBLE ANGLE
ARCH	ARCHITECT	LB	POUND
&	AND	LF	LINEAR FOOT
		LLH	LONG LEG HORIZONTAL
B/FTG, BOF	BOTTOM OF FOOTING	LLV	LONG LEG VERTICAL
BLDG	BUILDING		
BM	BEAM	MAX	MAXIMUM
BOT	BOTTOM	MECH	MECHANICAL
BRG	BEARING	MFR	MANUFACTURER
BTWN	BETWEEN	MIN	MINIMUM
		MISC	MISCELLANEOUS
C	STRUCTURAL STEEL CHANNEL		
CANT	CANTILEVER	NF	NEAR FACE
CIP	CAST-IN-PLACE CONCRETE	NO	NUMBER
CJ	CONTROL JOINT	NS	NEAR SIDE
CL	CENTERLINE	NTS	NOT TO SCALE
CLR	CLEAR		
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
CNJ	CONSTRUCTION JOINT	OF	OUTSIDE FACE
COL	COLUMN	OPNG	OPENING
CONC	CONCRETE	OPP	OPPOSITE
CONN	CONNECTION		
CONT	CONTINUOUS	P	PIER DESIGNATION
CONTR	CONTRACTOR	PL	PLATE
CP	COMPLETE PENETRATION WELD	PP	PARTIAL PENETRATION WELD
CY	CUBIC YARD	PREFAB	PREFABRICATED
		PSF	POUNDS PER SQUARE FOOT
DIA	DIAMETER	PSI	POUNDS PER SQUARE INCH
DIM	DIMENSION		
DISCONT	DISCONTINUOUS	REINF	REINFORCING STEEL
DWG	DRAWING	REQ, REQD	REQUIRED
		RD	ROOF DRAIN
(E), EX, EXIST	EXISTING		
EA	EACH	SC	SLIP CRITICAL
EF	EACH FACE	SECT	SECTION
EL, ELEV	ELEVATION	SHEATH	SHEATHING
EQ	EQUAL	SIM	SIMILAR
EQUIP	EQUIPMENT	SOG	SLAB-ON-GRADE
ES	EACH SIDE	SPAC	SPACING
EW	EACH WAY	SPECS	SPECIFICATIONS
EXP	EXPANSION	SS	STAINLESS STEEL
EXT	EXTERIOR	STD	STANDARD
		STIFF	STIFFENER
F	FOOTING DESIGNATION	STL	STEEL
FDN	FOUNDATION	STR	STRAIGHT
FF	FINISH FLOOR	STRUCT	STRUCTURAL
FLG	FLANGE		
FLR	FLOOR	T	TOP
FT	FOOT	T&B	TOP AND BOTTOM
FTG	FOOTING	TOC, T/CONC	TOP OF CONCRETE
FV	FIELD VERIFY	T/FTG, TOF	TOP OF FOOTING
		TEMP	TEMPERATURE
G	GAGE	T/SHELF	TOP OF SHELF
GALV	GALVANIZED	T/SLAB	TOP OF SLAB
		T/STL	TOP OF STEEL
HOR, HORIZ	HORIZONTAL	T/WALL	TOP OF WALL
HSS	HOLLOW STRUCTURAL SHAPE	TS	STRUCTURAL TUBING
HT	HEIGHT	TYP	TYPICAL
IF	INSIDE FACE	UNO	UNLESS NOTED OTHERWISE
IN	INCH		
INFO	INFORMATION	VER, VERT	VERTICAL
		VIF	VERIFY IN FIELD
JT	JOINT	W	STRUCTURAL STEEL WIDE FLANGE
		w/	WITH
K	KIP (1 KIP = 1,000 LBS)	w/o	WITHOUT
KSI	KIPS PER SQUARE INCH	WP	WORK POINT
		WT	WEIGHT
		WWF	WELDED WIRE FABRIC

ABBREVIATIONS

SCALE: NTS

SLOPE DESIGNATION — SLOPE
ELEVATION MARK
ROOF PITCH — 8 / 12
SPAN DIRECTION
SECTION MARK — X/XXX — SECTION No. — DWG. WHERE SHOWN

UNDISTURBED EARTH
LEDGE
COMPACTED STRUCTURAL FILL
CONCRETE
GROUT
BRICK
CMU

LEGEND

SCALE: NTS

RECEIVED
JUL 09 2012
Dept. of Building Inspections
City of Portland Maine

CASCO BAY ENGINEERING
424 Fore Street
Portland, ME 04101
Phone 207.842.2800
Fax 207.842.2828
www.cascobayengineering.com

CLIENT:
FORTIN CONSTRUCTION
35 MARKARLYN ST
AUBURN, ME 04210

STATE OF MAINE — ERIC DUBE No. 12630 — LICENSED PROFESSIONAL ENGINEER

PLASMINE TECHNOLOGY — PORTLAND, ME
33 BISHOP ST.
NEW LOADING DOCK

ISSUED											
No.	DESCRIPTION	DR. BY	CHKD BY	DATE							
0	FOR CONSTRUCTION	SJP	ED	7-6-12							

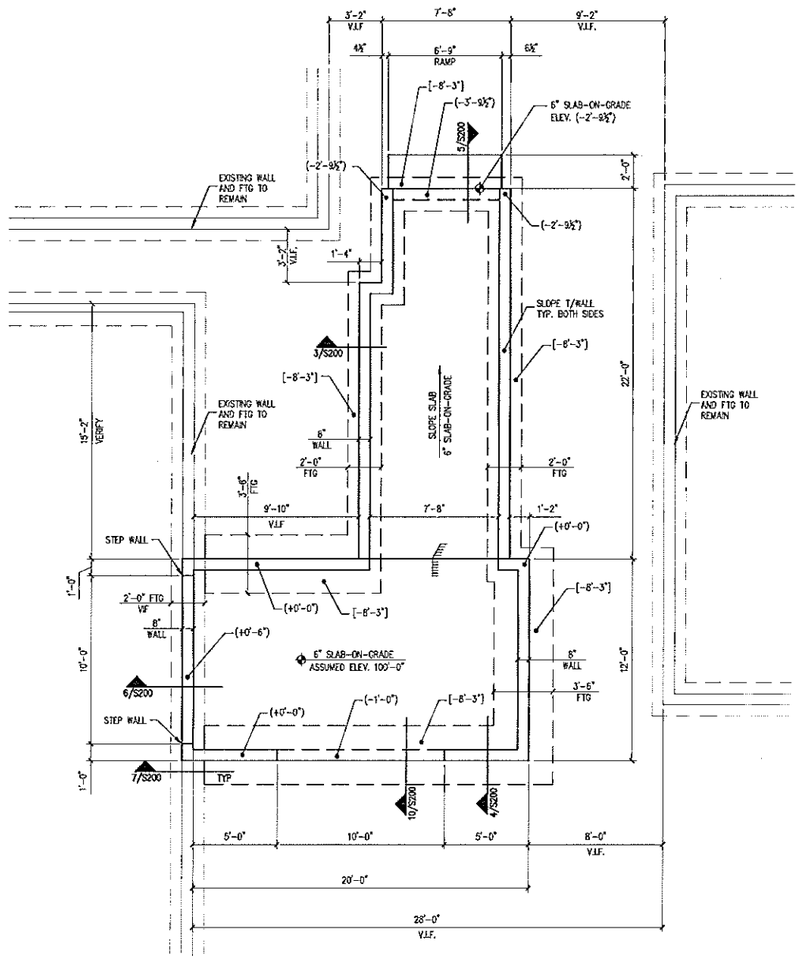
SHEET TITLE:
STRUCTURAL NOTES

DESIGNED:	SJP
DRAWN:	SJP
DATE:	7-2-12
PROJECT NUMBER:	12-063

S000

PRINTED: Jul 06, 2012

PLAN NORTH

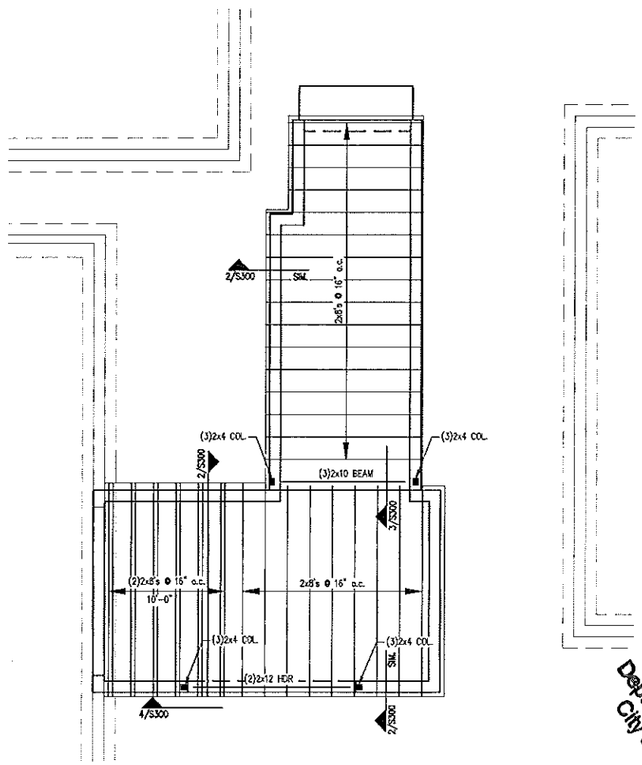


PLAN LEGEND

- SHEAR WALL
- BEAM
- HSS COLUMN
- COLUMN FROM ABOVE
- COLUMN BELOW
- COLUMN ABOVE AND BELOW
- HOLD-DOWN

NOTES:
1. SEE S200 FOR TYPICAL SLAB-ON-GRADE AND TYPICAL WALL REINFORCING DETAILS.
2. REFERENCE ASSUMED FINISH FLOOR ELEVATION = 100'-0"
3. TOP OF CONCRETE ELEVATIONS ARE NOTED (+X") FROM PLATFORM SLAB-ON-GRADE ELEVATION.
4. TOP OF FOOTING ELEVATIONS ARE NOTED [-X"-X"] FROM PLATFORM SLAB-ON-GRADE ELEVATION.
5. SEE 8/S200 FOR PIPE UNDER/THROUGH FOOTING DETAIL.
6. SEE 9/S200 FOR TYPICAL STEPPED FOOTING DETAIL.
7. WHERE NEW FOOTINGS WILL BE ADJACENT TO EXISTING FOOTINGS, SEE DETAIL 6/S300 FOR REQUIREMENTS. IF REQUIREMENTS CAN NOT BE MET, CONTACT STRUCTURAL ENGINEER PRIOR TO PLACING CONCRETE.

FOUNDATION PLAN — SCALE: 1/4"=1'-0" | 1



NOTES:
1. PROVIDE SIMPSON JOIST HANGERS AT ALL JOIST ENDS, TYP.
2. SEE TYPICAL HEADER DETAIL, 1/S300
3. PROVIDE (3)-2x4 COLUMNS, U.N.O.
4. ALL EXTERIOR WALLS SHALL BE SHEATHED ON ONE SIDE WITH ½" APA RATED SHEATHING.
5. SEE TYPICAL SHEATHING DETAIL, 5/S300
6. ALL EXTERIOR WALLS ARE 2x4 STUDS @ 16" o.c.

PLAN LEGEND

- SHEAR WALL
- BEAM
- HSS COLUMN
- COLUMN FROM ABOVE
- COLUMN BELOW
- COLUMN ABOVE AND BELOW
- HOLD-DOWN

ROOF FRAMING PLAN — SCALE: 1/4"=1'-0" | 2

RECEIVED
JUL 09 2012
Dept. of Building Inspections
City of Portland Maine

CASCO BAY ENGINEERING
424 Fore Street
Portland, ME 04101
Phone 207.842.2800
Fax 207.842.2828
www.cascobayengineering.com

CLIENT:
FORTIN CONSTRUCTION
35 MARKARLYN ST
AUBURN, ME 04210

STATE OF MAINE — ERIC DUBE No 12630 — LICENSED PROFESSIONAL ENGINEER

PLASMINE TECHNOLOGY — PORTLAND, ME
33 BISHOP ST.
NEW LOADING DOCK

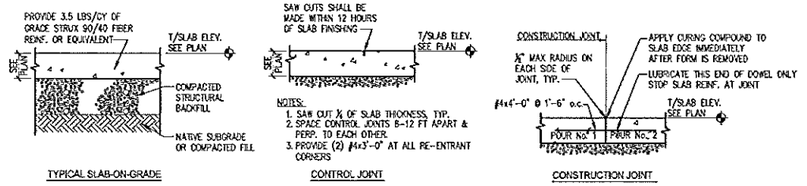
ISSUED				
No.	DESCRIPTION	DR BY	CHKD BY	DATE
0	FOR CONSTRUCTION	SJP	ED	7-6-12

SHEET TITLE:
FOUNDATION & ROOF FRAMING PLAN

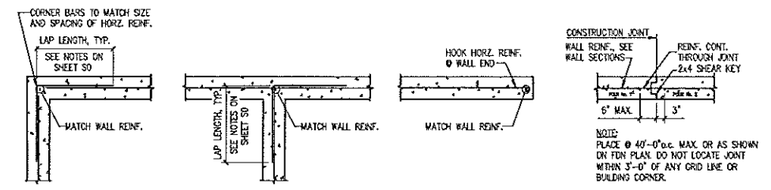
DESIGNED:	SJP
DRAWN	SJP
DATE:	7-2-12
PROJECT NUMBER:	12-053

S100

PRINTED: Jul 06, 2012



TYPICAL SLAB-ON-GRADE DETAILS — SCALE: NTS | 1



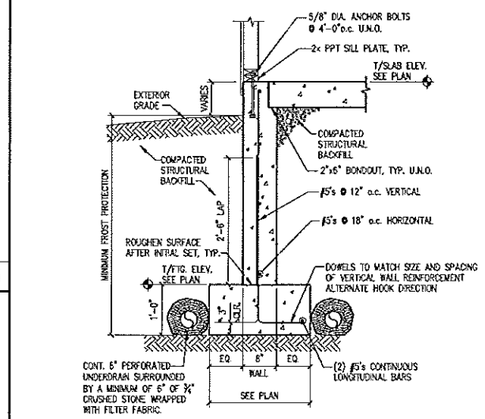
DETAIL @ WALL CORNER
W/ SINGLE ROW OF WALL REINFORCING

DETAIL @ WALL INTERSECTION
W/ SINGLE ROW OF WALL REINFORCING

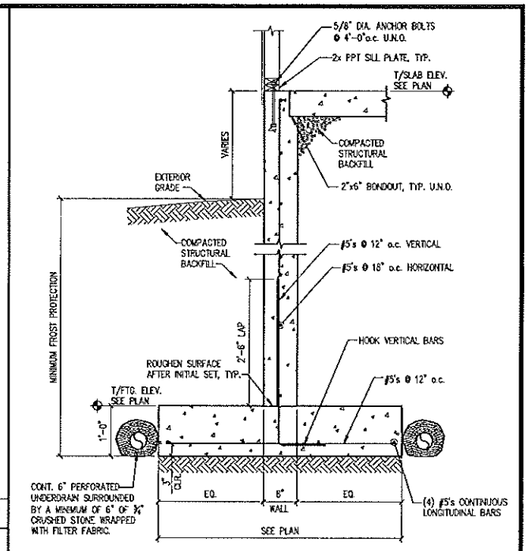
DETAIL @ WALL END
W/ SINGLE ROW OF WALL REINFORCING

CONSTRUCTION JOINT DETAIL
W/ SINGLE ROW OF WALL REINFORCING

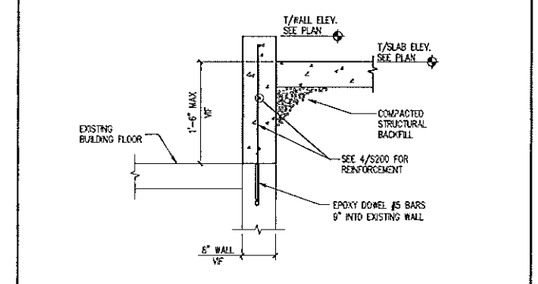
TYPICAL FOUNDATION WALL DETAILS — SCALE: NTS | 2



TYPICAL RAMP SECTION — SCALE: 3/4"=1'-0" | 3

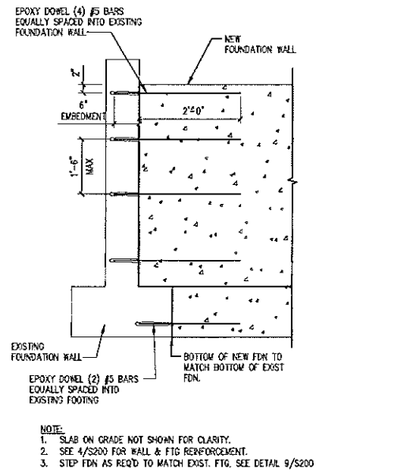


TYPICAL SECTION AT LOADING DOCK — SCALE: 3/4"=1'-0" | 4



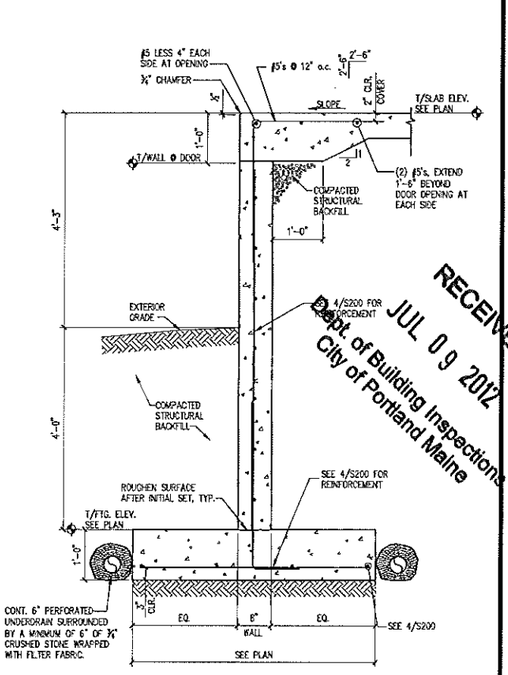
SECTION — SCALE: 3/4" = 1'-0" | 5

SECTION — SCALE: 3/4" = 1'-0" | 6

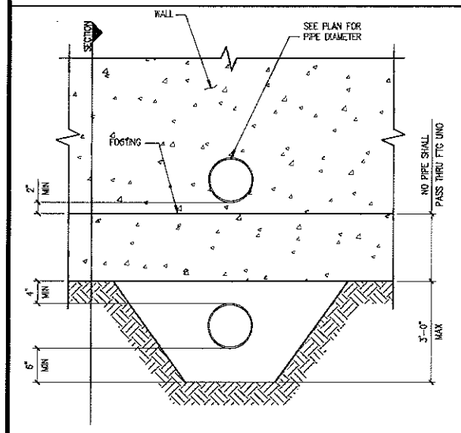


NOTE:
1. SLAB ON GRADE NOT SHOWN FOR CLARITY.
2. SEE 4/S200 FOR WALL & FTG REINFORCEMENT.
3. STEP FDN AS REQ'D TO MATCH EXIST. FTG, SEE DETAIL 9/S200

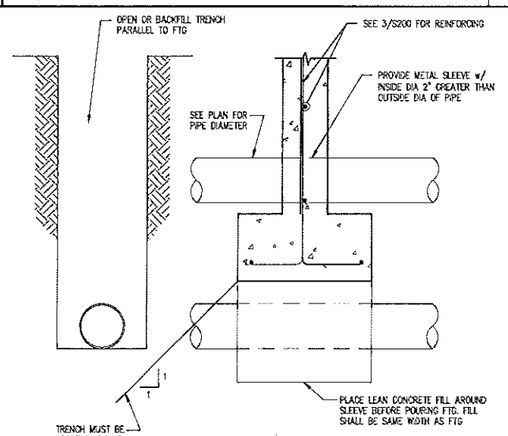
SECTION — SCALE: 3/4" = 1'-0" | 7



SECTION — SCALE: 3/4"=1'-0" | 10

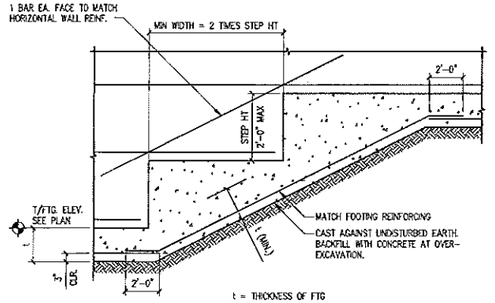


ELEVATION



SECTION

TYPICAL PIPE ENCASEMENT UNDER/THROUGH FOOTING — SCALE: 1"=1'-0" | 8



t = THICKNESS OF FTG

TYPICAL STEPPED FOOTING DETAIL — SCALE: 3/4" = 1'-0" | 9

CASCO BAY ENGINEERING
424 Fore Street
Portland, ME 04101
Phone 207.842.2800
Fax 207.842.2828
www.cascobayengineering.com

CLIENT:
FORTIN CONSTRUCTION
35 MARKARLYN ST
AUBURN, ME 04210

STATE OF MAINE — ERIC DUBE No. 12630 — PROFESSIONAL ENGINEER — LICENSED

PLASMINE TECHNOLOGY
33 BISHOP ST.
PORTLAND, ME

NEW LOADING DOCK

No.	DESCRIPTION	DR. BY	CHD BY	DATE
0	FOR CONSTRUCTION	SJP	ED	7-6-12

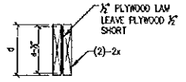
ISSUED

RECEIVED
JUL 09 2012
Dept. of Building Inspections
City of Portland Maine

SHEET TITLE:
CONCRETE DETAILS

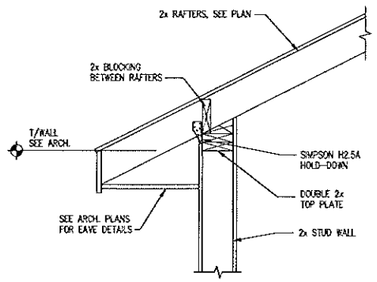
DESIGNED:	SJP
DRAWN:	SJP
DATE:	7-2-12
PROJECT NUMBER	12-053

S200

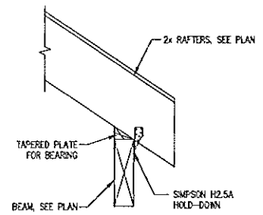


NOTE:
1. PROVIDE ½ OF FULL HEIGHT KING STUDS ON EACH SIDE OF OPENING TO MATCH ½ OF INTERRUPTED STUDS @ WALL OPENING. MINIMUM (2) FULL HEIGHT KING STUDS @ EACH SIDE OF OPENING.
2. ALL HEADERS SUPPORTED BY MINIMUM OF (1) JACK STUD.
3. WINDOW SILL PLATES MINIMUM (2)-2x6 ON THE FLAT.

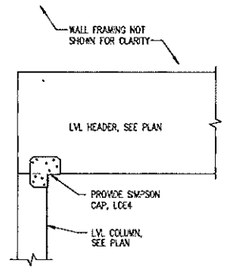
TYPICAL HEADER DETAIL SCALE: 1"=1'-0" 1



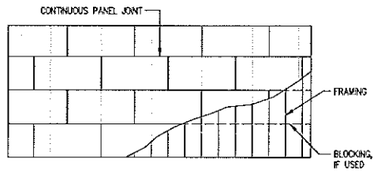
SECTION SCALE: 1"=1'-0" 2



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

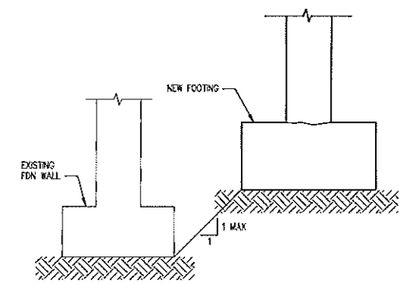


SECTION SCALE: 1"=1'-0" 4



NOTES FOR TYPICAL FLOOR/ROOF SHEATHING DETAIL:
1. SEE S000 FOR WOOD NOTES FOR SHEATHING REQUIREMENTS.
2. USE APA RATED ⅜-INCH CDX PLYWOOD SHEATHING ON ROOF. USE APA RATED ½-INCH PLYWOOD SHEATHING ON FLOOR.
3. ATTACH ROOF AND FLOOR DIAPHRAGMS W/8d NAILS SPACED 12" o.c. ALONG INTERMEDIATE FRAMING MEMBERS AND 6" o.c. AT SUPPORTED EDGES.
4. FLOOR AND ROOF DIAPHRAGMS ARE UNBLOCKED, EXCEPT AS NOTED ON ROOF FRAMING PLAN.
5. USE SHEATHING CLIPS BETWEEN SHEETS ON ROOF WHERE BLOCKING IS NOT REQUIRED.

TYPICAL SHEATHING DETAIL SCALE: 1"=1'-0" 5



TYPICAL FOOTING PLACEMENT SCALE: 1"=1'-0" 6

RECEIVED
JUL 09 2012
Dept. of Building Inspections
City of Portland Maine

PRINTED: Jul 06, 2012

CASCO BAY ENGINEERING
424 Fore Street
Portland, ME 04101
Phone 207.842.2800
Fax 207.842.2828
www.cascobayengineering.com

CLIENT:
FORTIN CONSTRUCTION
35 MARKARLYN ST
AUBURN, ME 04210

STATE OF MAINE
ERIC DUBE
No 12630
LICENSED
PROFESSIONAL ENGINEER

PLASMINE TECHNOLOGY
33 BISHOP ST. PORTLAND, ME

NEW LOADING DOCK

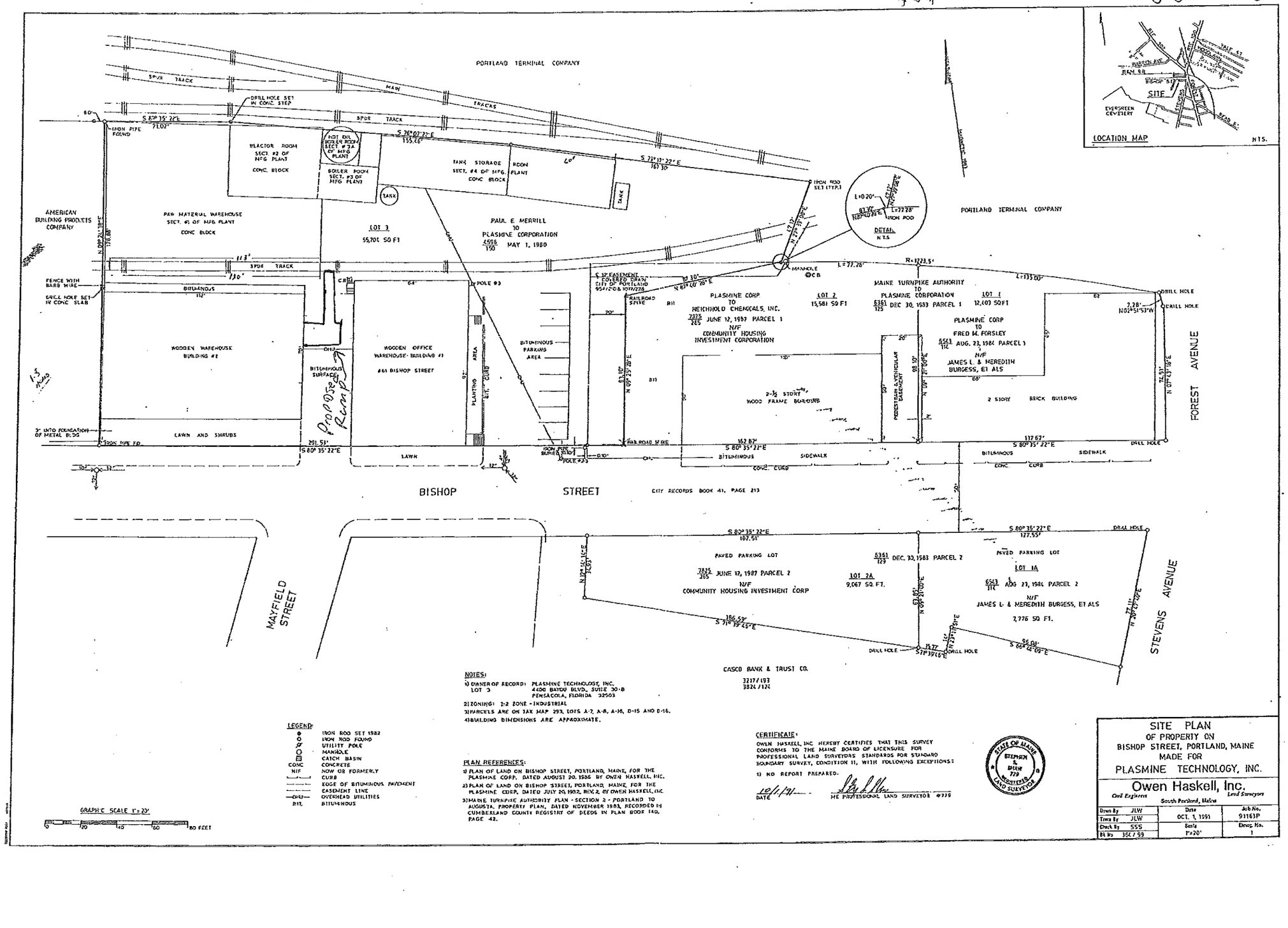
No.	DESCRIPTION	DR. BY	CHKD BY	DATE
0	FOR CONSTRUCTION	SJP	ED	7-6-12

SHEET TITLE:
FRAMING DETAILS

DESIGNED:	SJP
DRAWN:	SJP
DATE:	7-2-12
PROJECT NUMBER:	12-053

S300

IM zone - Impervious 75% — ramp on parcel surface (OK)
Side yard N/A
rear N/A
front - 1' for each foot of building high - 25 bldg is >35 set back (OK)



NOTES:

1) OWNER OF RECORD: PLASMINE TECHNOLOGY, INC.
LOT 3 4400 BAYOU BLVD., SUITE 30-B
PENSACOLA, FLORIDA 32503

2) ZONING: I-2 ZONE - INDUSTRIAL

3) PARCELS ARE ON TAX MAP 293, LOTS A-7, A-8, A-16, D-15 AND D-16.

4) BUILDING DIMENSIONS ARE APPROXIMATE.

LEGEND:

- IRON ROD SET 1982
- IRON ROD FOUND
- UTILITY POLE
- MANHOLE
- CATCH BASIN
- CONC — CONCRETE
- NIF — NOW OR FORMERLY
- CURB
- EDGE OF BITUMINOUS PAVEMENT
- EASEMENT LINE
- OHU — OVERHEAD UTILITIES
- BIT. — BITUMINOUS

PLAN REFERENCES:

1) PLAN OF LAND ON BISHOP STREET, PORTLAND, MAINE, FOR THE PLASMINE CORP. DATED AUGUST 20, 1986 BY OWEN HASKELL, INC.
2) PLAN OF LAND ON BISHOP STREET, PORTLAND, MAINE, FOR THE PLASMINE CORP. DATED JULY 20, 1982, REV. 2, BY OWEN HASKELL, INC.
3) MAINE TURNPIKE AUTHORITY PLAN - SECTION 2 - PORTLAND TO AUGUSTA, PROPERTY PLAN, DATED NOVEMBER 1983, RECORDED IN CUMBERLAND COUNTY REGISTRY OF DEEDS IN PLAN BOOK 140, PAGE 42.

GRAPHIC SCALE 1" = 20'
0 20 40 60 80 FEET

CERTIFICATE:

OWEN HASKELL, INC HEREBY CERTIFIES THAT THIS SURVEY CONFORMS TO THE MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS STANDARDS FOR STANDARD BOUNDARY SURVEY, CONDITION II, WITH FOLLOWING EXCEPTIONS:

1) NO REPORT PREPARED.

10/1/91
DATE

ME PROFESSIONAL LAND SURVEYOR #770

STATE OF MAINE STEPHEN L. BLEW 770 REGISTERED LAND SURVEYOR

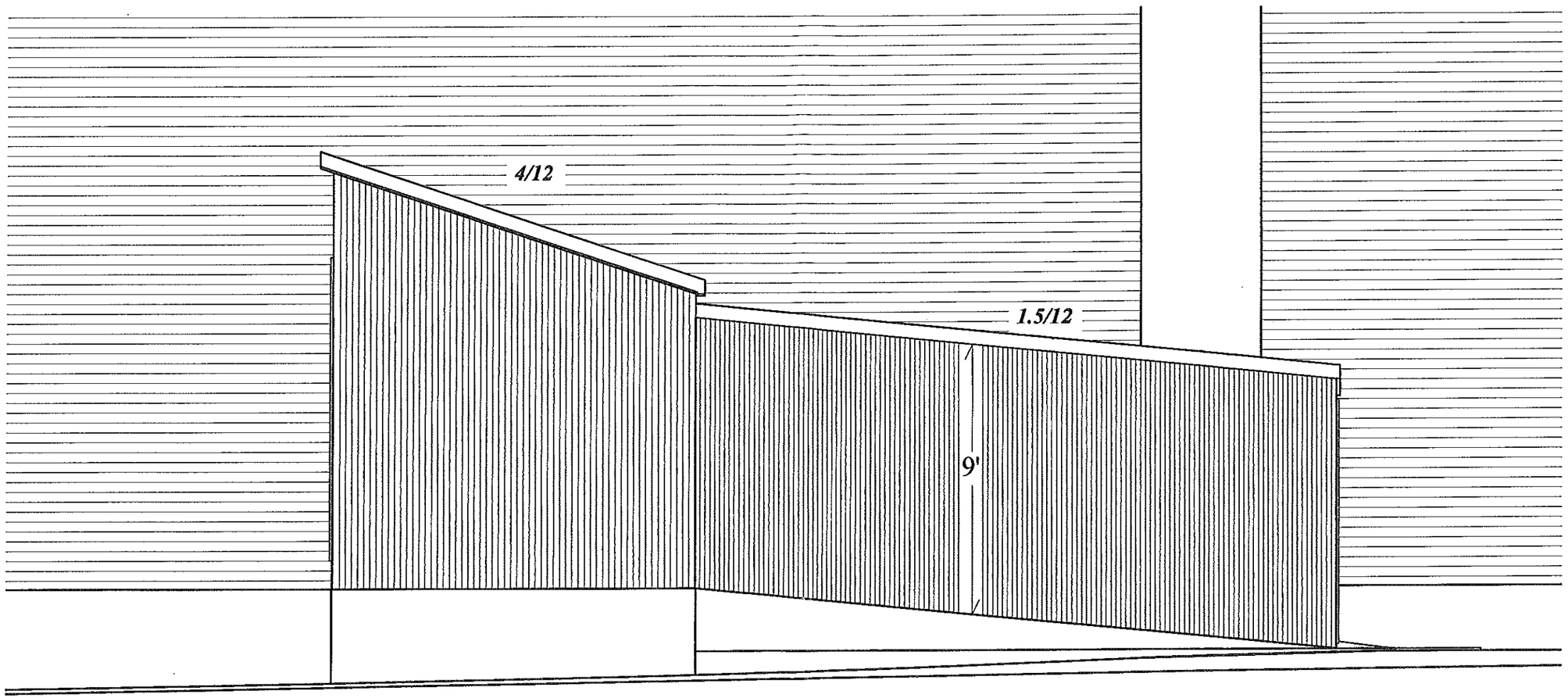
SITE PLAN
OF PROPERTY ON
BISHOP STREET, PORTLAND, MAINE
MADE FOR
PLASMINE TECHNOLOGY, INC.

Owen Haskell, Inc.
Civil Engineers *Land Surveyors*
South Portland, Maine

Drwn By	JLW	Date	Job No.
Trns By	JLW	OCT. 1, 1991	91163P
Chck By	SSS	Scale	Dwg. No.
Bk No	356/59	1"=20'	1

Fortin
Construction, Inc.

Customer Name:	*Plasmine Technology*	Plan Status: *Preliminary*	Revision Date: *05/16/12*	Scale:	*1/4" = 1'-0"*
Project Location:	*33 Bishop Street Portland, ME 04103*	Project Description:	*12'x20' Loading dock with 2 4 ' x 6' 4" Ramp*		



Right Elevation

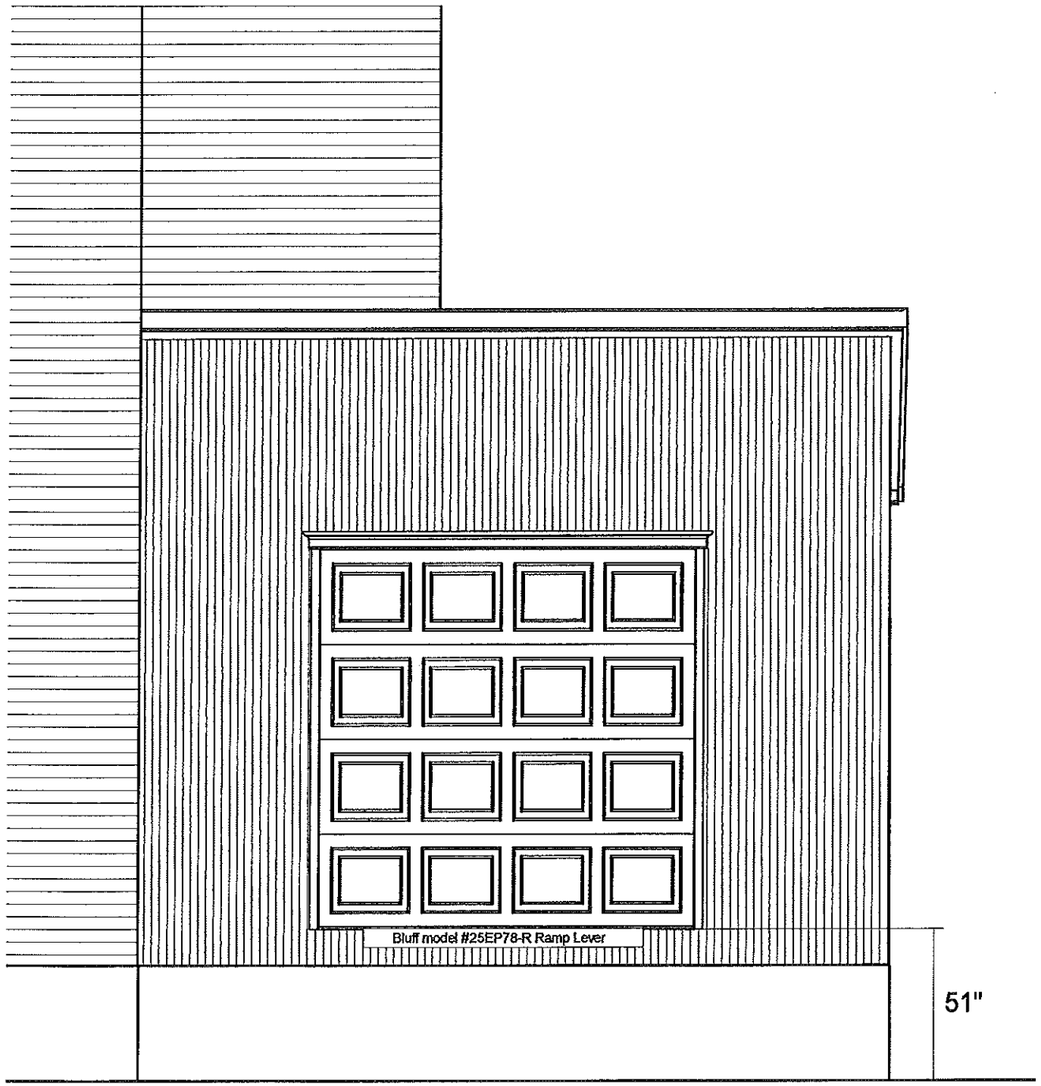
Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

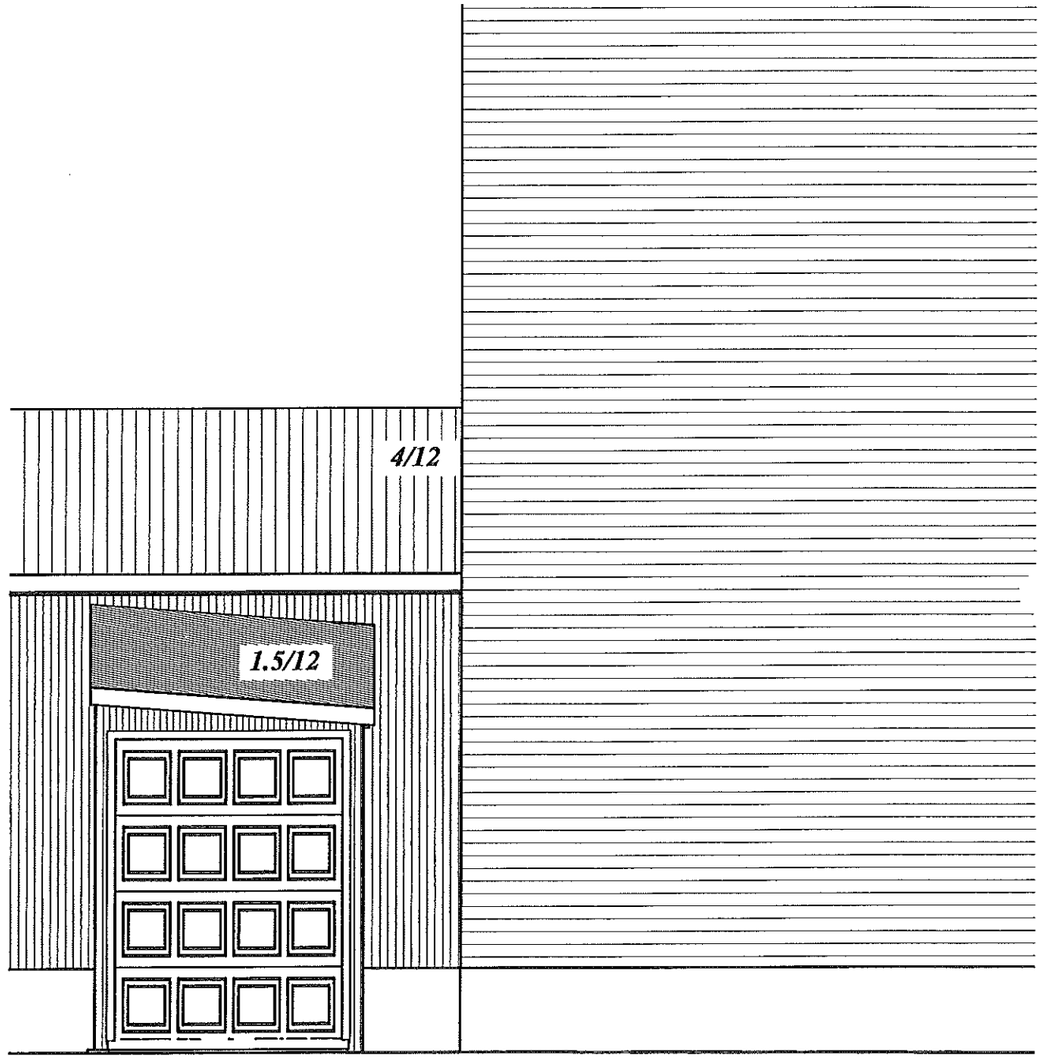
Elevations & Perspectives

Fortin
Construction, Inc.

Customer Name:	*Plasmine Technology*	Plan Status:	*Preliminary*	Revision Date: *05/16/12*	Scale: *1/4" = 1'-0"*
Project Location:	*33 Bishop Street Portland, ME 04103*	Project Description:	*12'x20' Loading dock with 2.4' x 6' 4" Ramp*		



Front Elevation



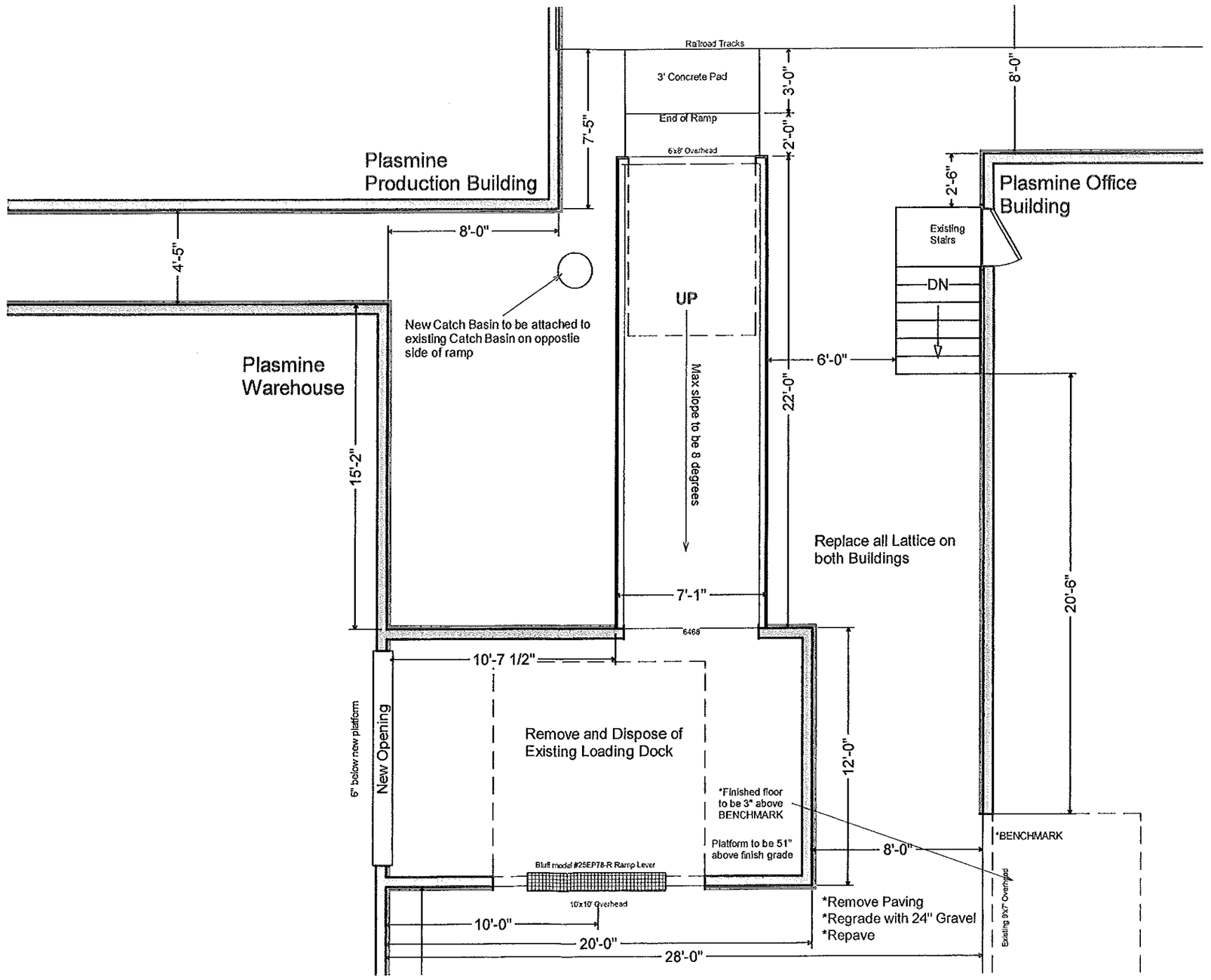
Rear Elevation

Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Elevations & Perspectives

Fortin Construction, Inc.	Customer Name: *Plasmine Technology*	Plan Status: *Preliminary*	Revision Date: *05/16/12*	Scale: *3/16" = 1'-0"*
	Project Location: *33 Bishop Street Portland, ME 04103*	Project Description: *12'x20' Loading dock with 2'-4" x 6' 4" Ramp*		



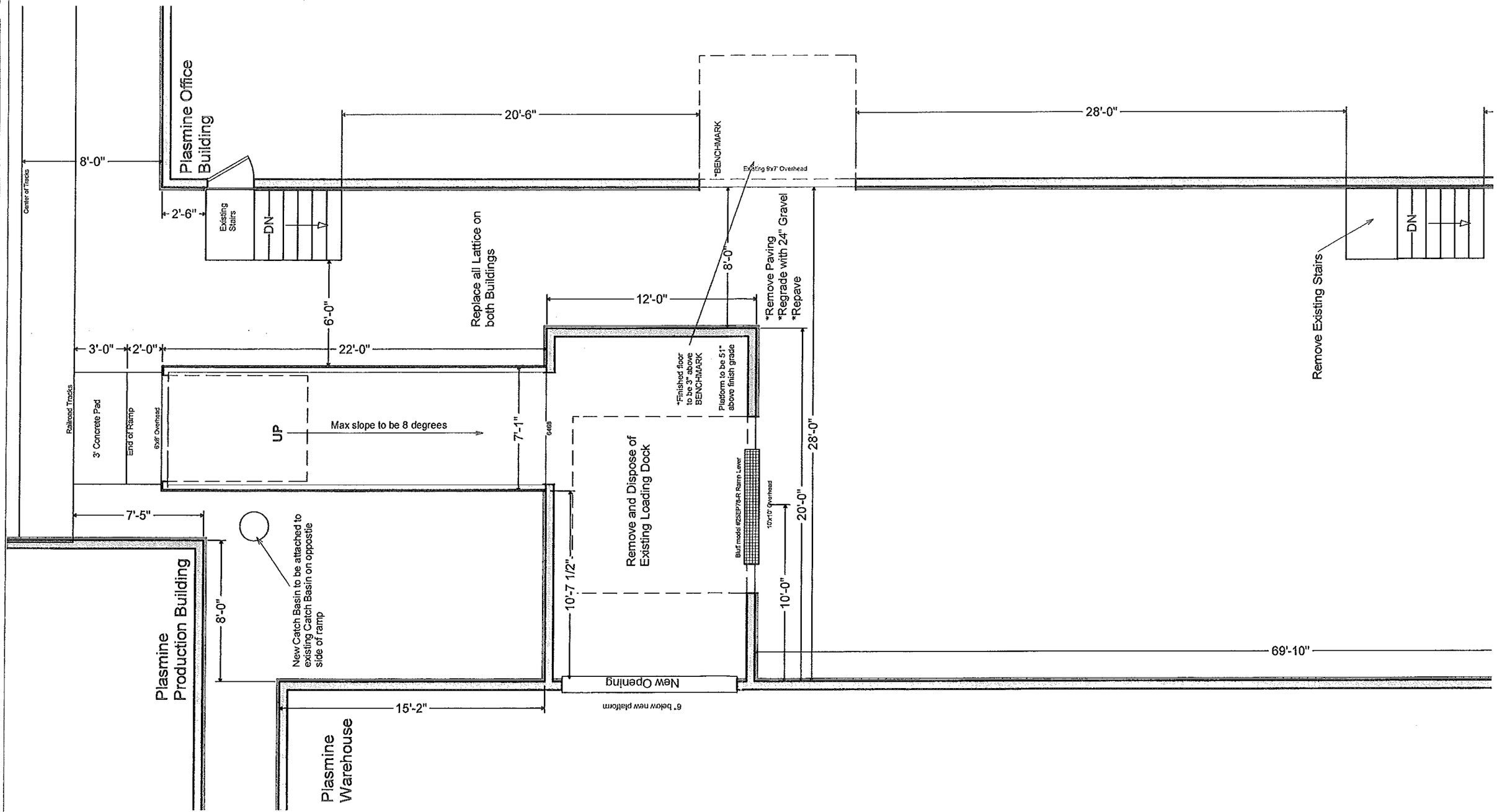
Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Layout

Fortin
Construction, Inc.

Customer Name: *Plasmine Technology*	Plan Status: *Preliminary*	Revision Date: *05/16/12*	Scale: *3/16" = 1'-0"*
Project Location: *33 Bishop Street Portland, ME 04103*	Project Description: *12'x20' Loading dock with 2. 4" x 6' 4" Ramp*		



Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Layout