

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

[Signature] 7/9/12

Code Enforcement Officer / Plan Reviewer

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: 2012-05-4092-ALTCOMM	Date Applied: 5/25/2012	CBL: 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 Markarlynn 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: <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: S-1 Type: SB IBC 2009 Signature: <i>JMB</i>
		Signature: <i>Capt. Pine</i>	
Proposed Project Description: Construct a loading dock and ramp (existing)		Pedestrian Activities District (P.A.D.) <i>7/9/12</i>	
Permit Taken By: Brad		Zoning Approval	

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.</p>	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetlands <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM Date: <i>OK 6/5/12</i> <i>ABM</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 checked="" type="checkbox"/> Not in Dist 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: <i>ABM</i>
	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

8-17-12 DWM Mark 576-8568 Footings poured & back filled w/o inspa

Provide revised plans (drainage) + letter from engineer re: footings

8/30/12 See plans for ext. egress steps on adjacent Bldg.
JMR

9/20/12 ~~GF STAIRS NEED RISERS NO OH GROUP~~

~~R AFTER CUT TO ±64 NEED CLIPS~~

~~STAIR WIDTH 2'-9 1/2" 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.



PORTLAND MAINE

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Acting Director of Planning and Urban Development
Gregory Mitchell

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.

JM



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 - ALT COMM

Location/Address of Construction: <u>33 Bishop Street</u>		
Total Square Footage of Proposed Structure/Area	Square Footage of Lot	Number of Stories <u>1</u>
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>293 A008</u>	Applicant: (must be owner, lessee or buyer) Name <u>Plasmine Technology</u> Address <u>33 Bishop St.</u> City, State & Zip <u>Portland, ME 04103</u>	Telephone: <u>797-5009</u>
Lessee/DBA RECEIVED MAY 23 2012 Dept of Building Inspections City of Portland Maine	Owner: (if different from applicant) Name <u>Same</u> Address City, State & Zip	Cost of Work: <u>\$52,000</u> C of O Fee: \$ Historic Review: \$ Planning Amin.: <u>\$540.00</u> Total Fee: \$ <u>540.00</u>
Current legal use (i.e. single family) <u>Commercial Business</u> Number of Residential Units <u>0</u> If vacant, what was the previous use? Proposed Specific use: <u>Commercial Business - Same</u> Is property part of a subdivision? <u>NO</u> If yes, please name Project description: <u>To construct a loading dock and replace existing ramp</u>		
Contractor's name: <u>Fortin Construction Inc</u> Address: <u>35 Mark Arlyn St</u> City, State & Zip: <u>Auburn, ME 04210</u>		Email: <u>markf@fortinconstruction.com</u> Telephone: <u>286-8737</u>
Who should we contact when the permit is ready: <u>Mark Fortin</u> Mailing address: <u>Same</u>		Telephone: <u>286-8237</u> <u>or Email above</u>

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: Eric C. Budge Date: 05/08/12

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



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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 apex. 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



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

2012 05 4 092



Administrative Authorization Application

Portland, Maine
Planning and Urban Development Department, Planning Division

PROJECT NAME: Plasemine Technology
PROJECT ADDRESS: 33 Bishop St CHART/BLOCK/LOT: 239-A-8
APPLICATION FEE: ✓ (\$50.00) 93
PROJECT DESCRIPTION: (Please Attach Sketch/Plan of the Proposal/Development)

CONTACT INFORMATION:

<u>OWNER/APPLICANT</u>		<u>CONSULTANT/AGENT</u>	
Name:	<u>Fartin Construction</u>	Name:	<u>Mark Fartin</u>
Address:	<u>35 Marchway St Auburn, ME 04210</u>	Address:	<u>"</u>
Work #:	<u>766-8737</u>	Work #:	<u>"</u>
Cell #:	<u>576-8568</u>	Cell #:	<u>"</u>
Fax #:	<u>753-0402</u>	Fax #:	<u>"</u>
Home #:	<u>—</u>	Home #:	<u>"</u>
E-mail:	<u>mark.f@fartinconstruction.com</u>	E-mail:	<u>"</u>

Criteria for an Administrative Authorization: ^{can}
(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? | <u>Y</u> |
| b) Are there any new buildings, additions, or demolitions? | <u>Y</u> |
| c) Is the footprint increase less than 500 sq. ft.? | <u>Y</u> |
| d) Are there any new curb cuts, driveways or parking areas? | <u>N</u> |
| e) Are the curbs and sidewalks in sound condition? | <u>Y</u> |
| f) Do the curbs and sidewalks comply with ADA? | <u>Y</u> |
| g) Is there any additional parking? | <u>N</u> |
| h) Is there an increase in traffic? | <u>N</u> |
| i) Are there any known stormwater problems? | <u>N</u> |
| j) Does sufficient property screening exist? | <u>Y</u> |
| k) Are there adequate utilities? | <u>Y</u> |
| l) Are there any zoning violations? | <u>N</u> |
| m) Is an emergency generator located to minimize noise? | <u>N</u> |
| n) Are there any noise, vibration, glare, fumes or other impacts? | <u>N</u> |

Signature of Applicant: <u>Mark Fartin</u>	Date: <u>6-5-12</u>
---	------------------------

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 enclosing

Criteria for an Administrative Authorizations:
14-523 (4) on page 2 of this application)

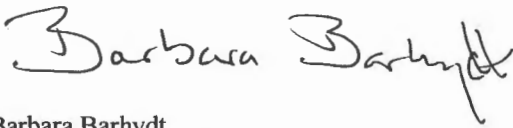
Applicant's Assessment
Y(yes), N(no), N/A

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 Technology 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
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.

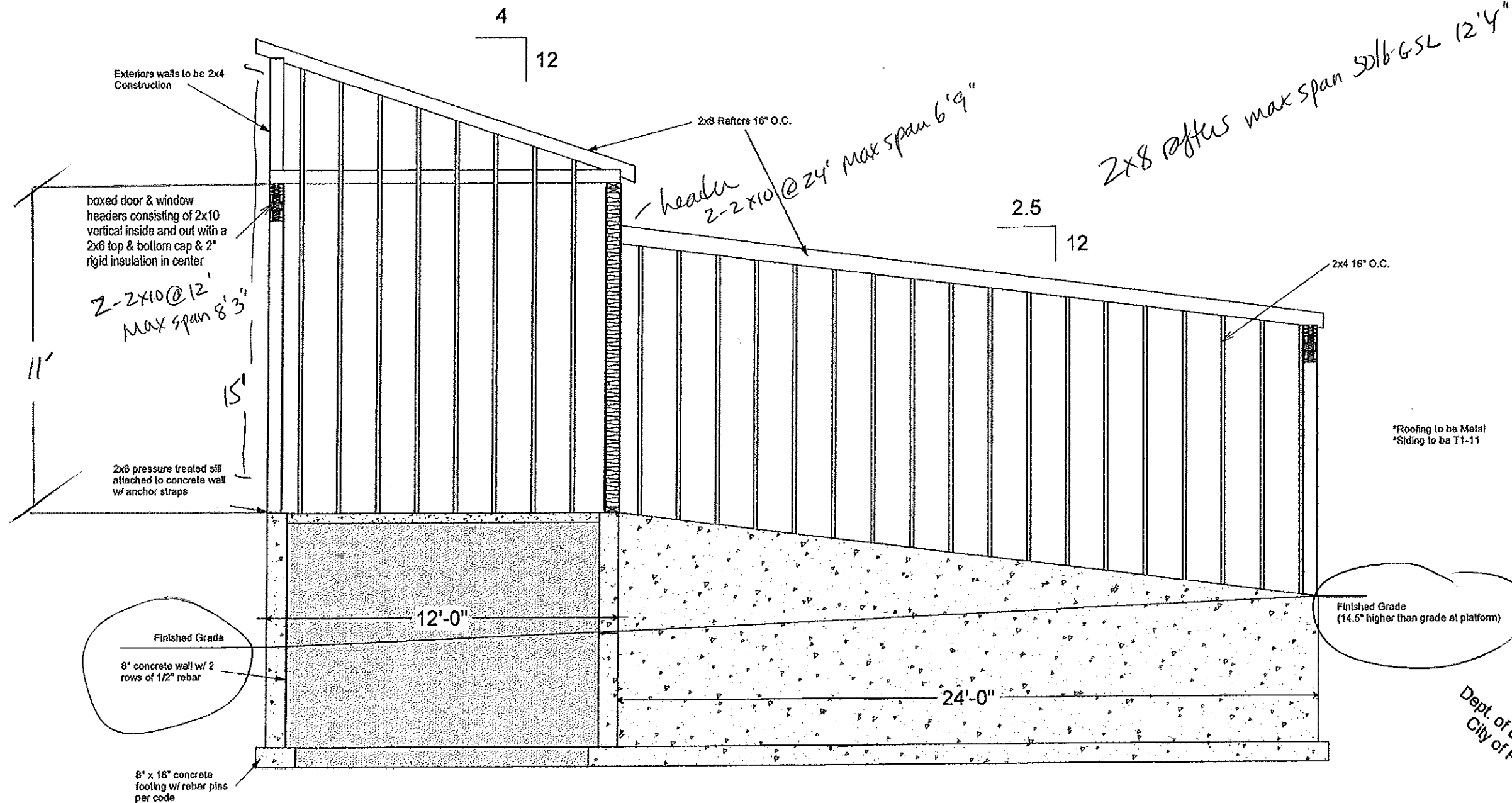
You will have to print this out on at least 11X17 paper to be able to read it. The larger the better. Again, let me know if you have any questions!

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





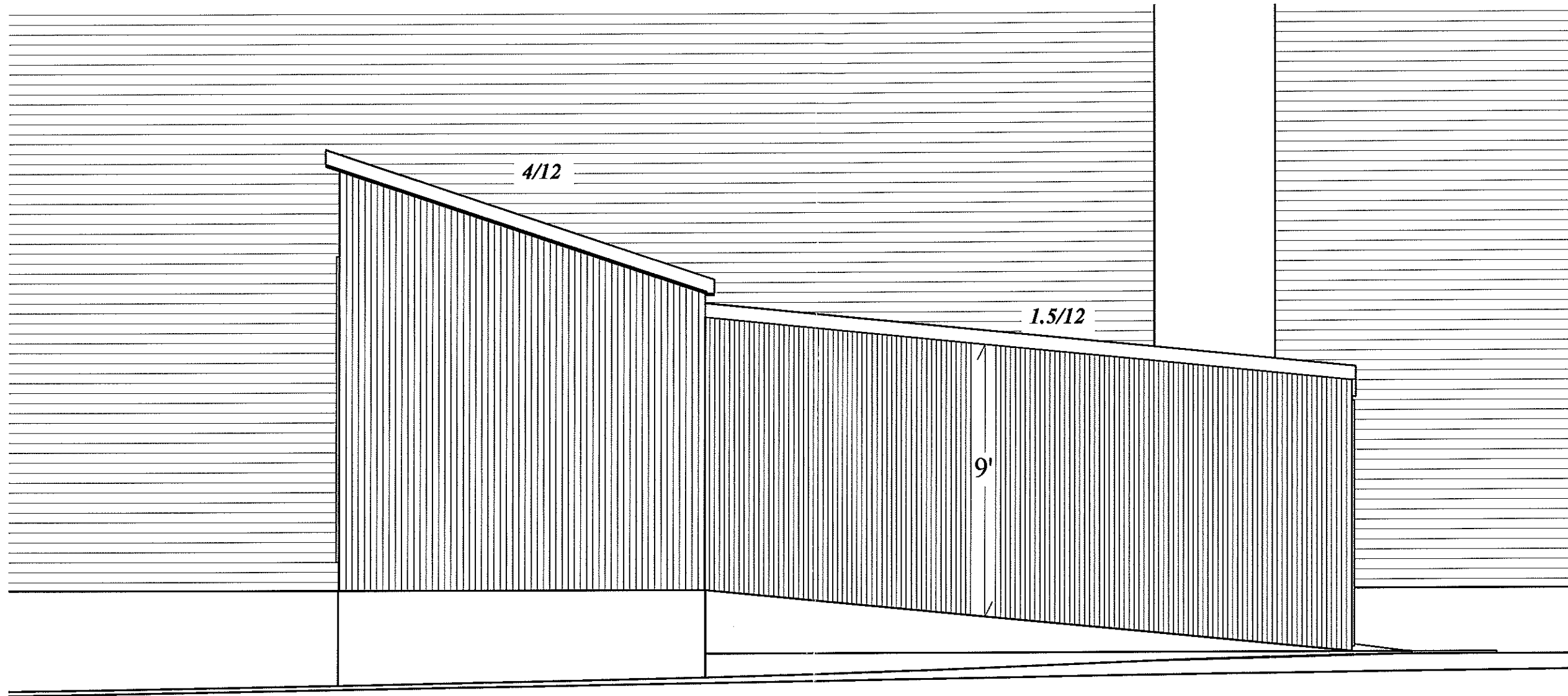
RECEIVED
JUN 21 2012
Dept. of Building Inspections
City of Portland Maine

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Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Cross
Sections



Right Elevation

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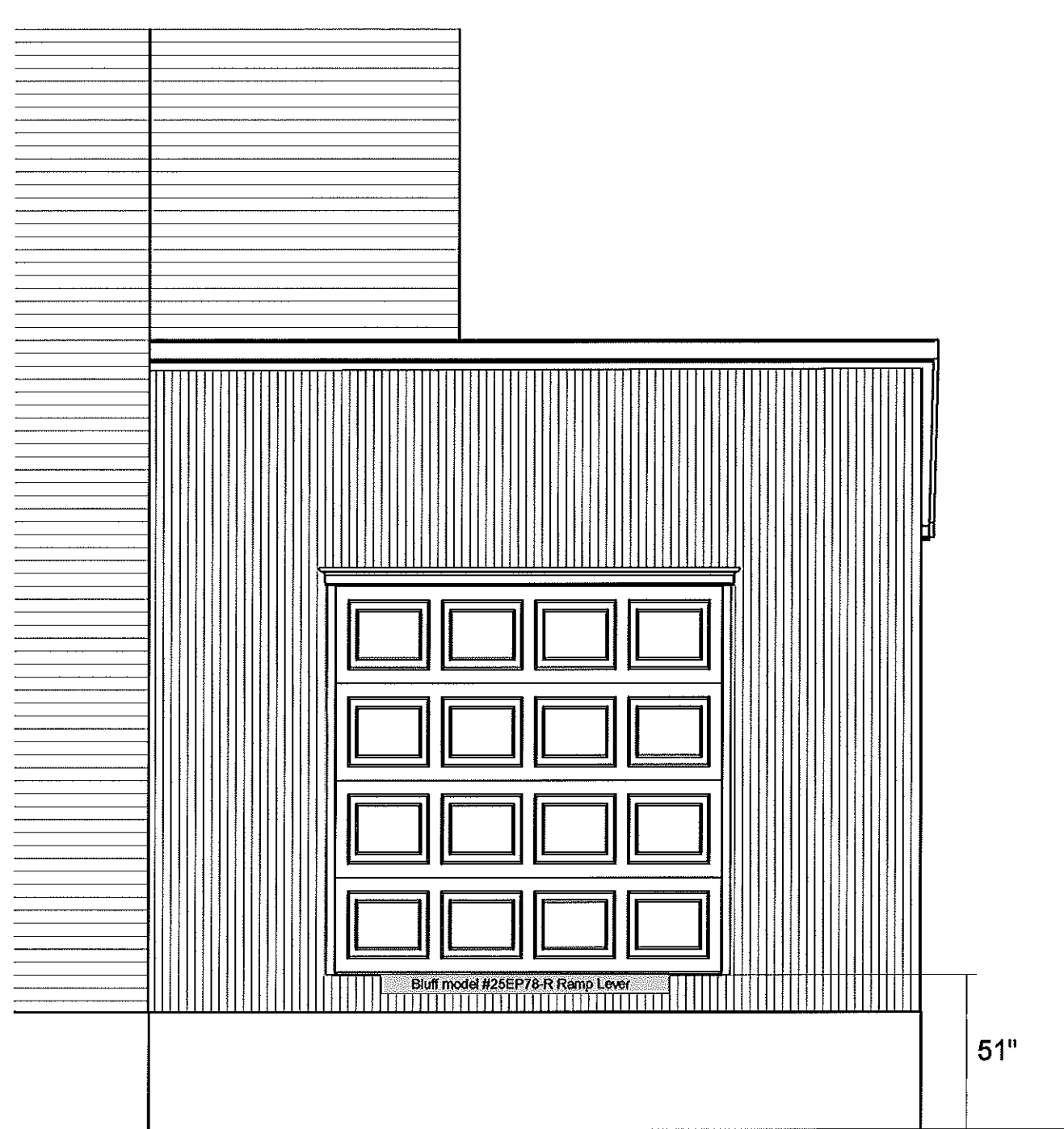
Final Plans

Approved By/On: _____

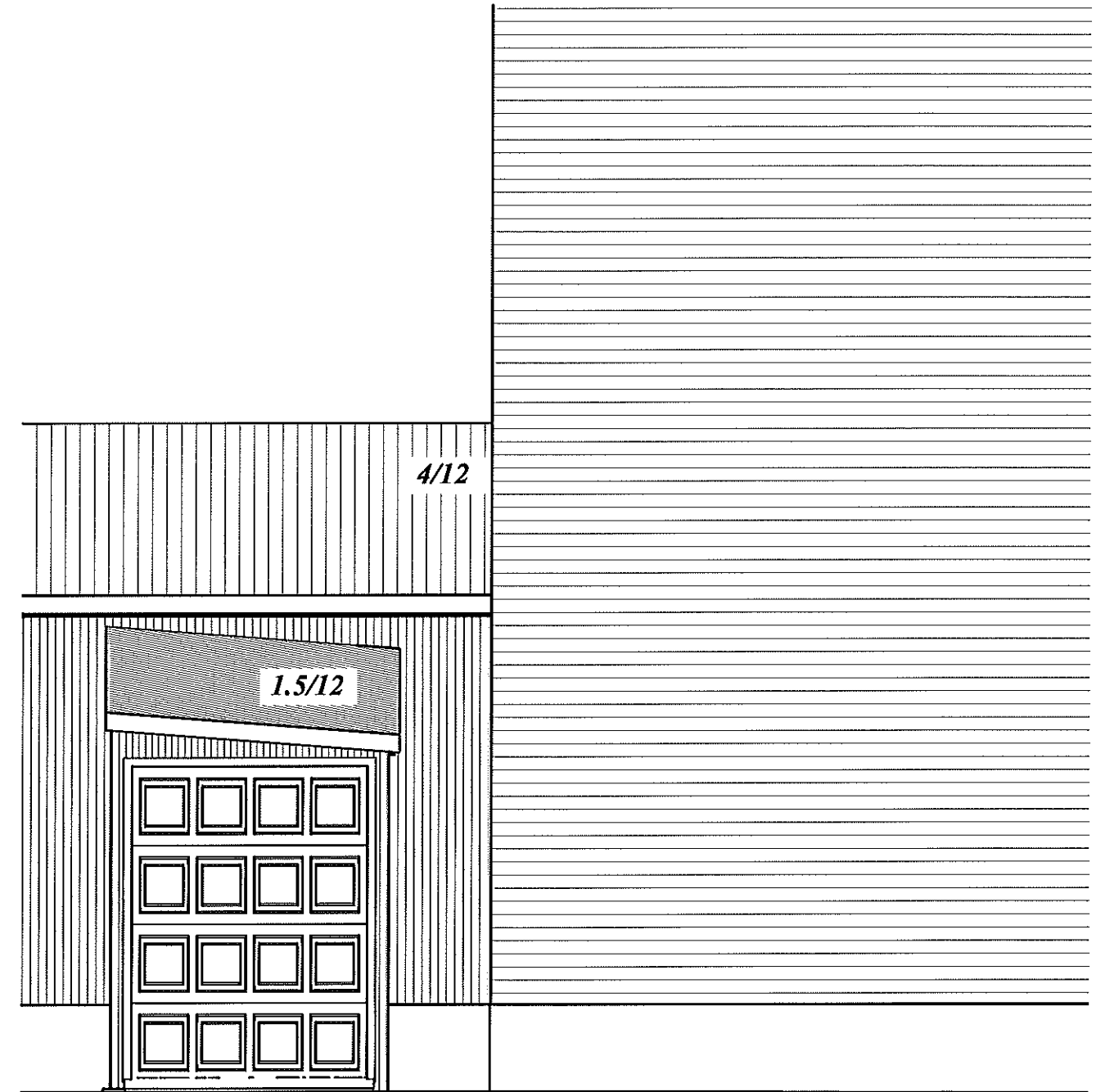
Flooring Breaks

Approved By/On: _____

**Elevations &
Perspectives**



Front Elevation



Rear Elevation

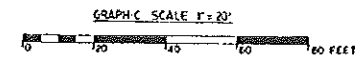
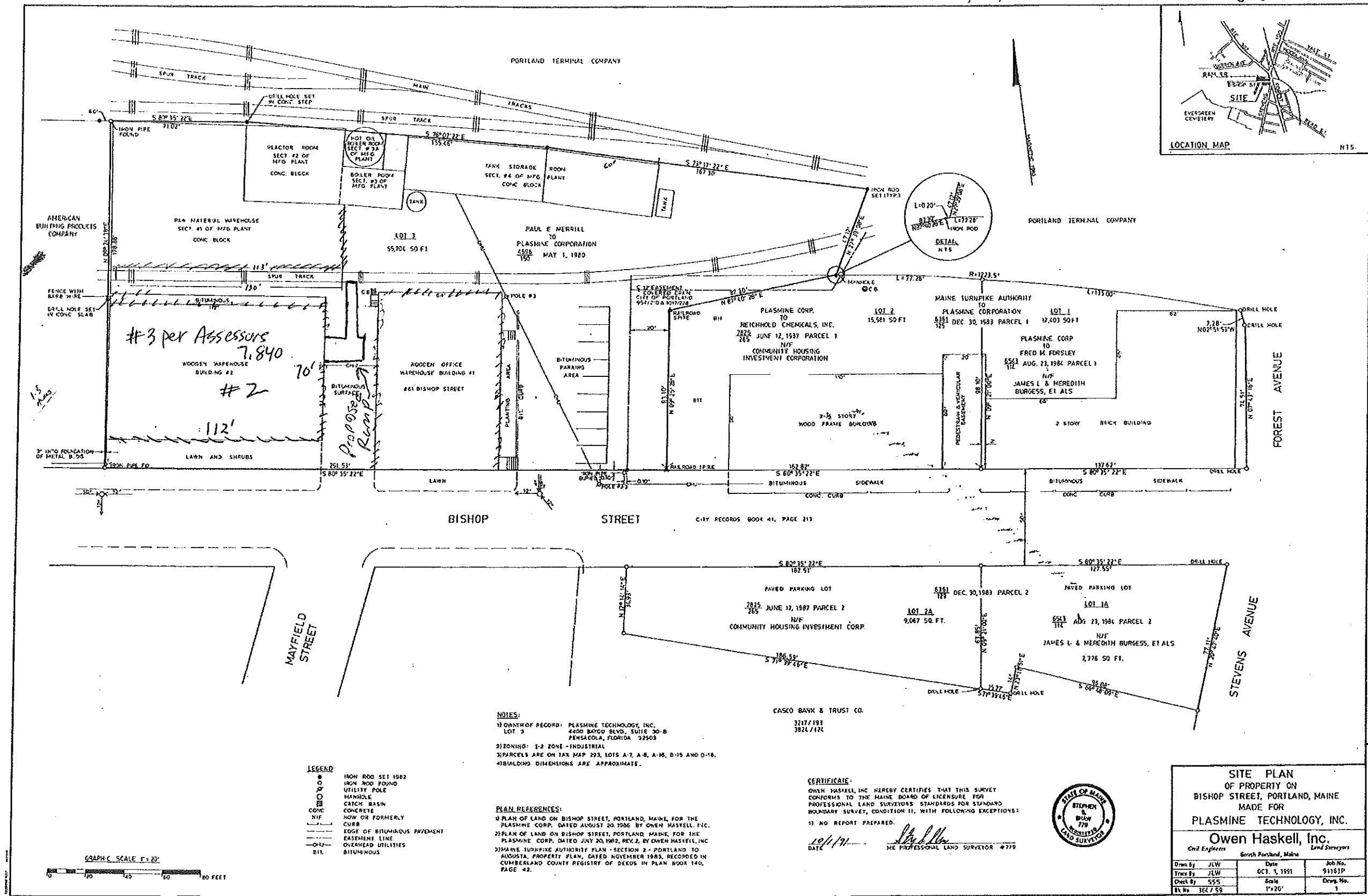
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Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Elevations & Perspectives

IM zone - Impervious 75% - ramp on paved surface (OK)
 Sidewalk N/A
 cur. N/A
 front - 1' for each foot of building height - 25 stories > 35 set back (OK)



- LEGEND**
- IRON ROD SET 1982
 - IRON ROD FOUND
 - UTILITY POLE
 - MANHOLE
 - CATCH BASIN
 - ▭ CONC.
 - ▭ MIF
 - ▭ NOW OR FORMERLY CURB
 - ▭ EDGE OF BITUMINOUS PAVEMENT
 - ▭ EASEMENT LINE
 - ▭ OVERHEAD UTILITIES
 - ▭ BIT.

NOTES:

- 1) OWNER OF RECORD: PLASMINE TECHNOLOGY, INC., 4400 BAYVIEW BLVD., SUITE 30-B, PENSACOLA, FLORIDA 32503
- 2) ZONING: I-2 ZONE - INDUSTRIAL
- 3) PARCELS ARE ON TAX MAP 223, LOTS A-2, A-8, A-M, D-15 AND D-16.
- 4) BUILDING DIMENSIONS ARE APPROXIMATE.

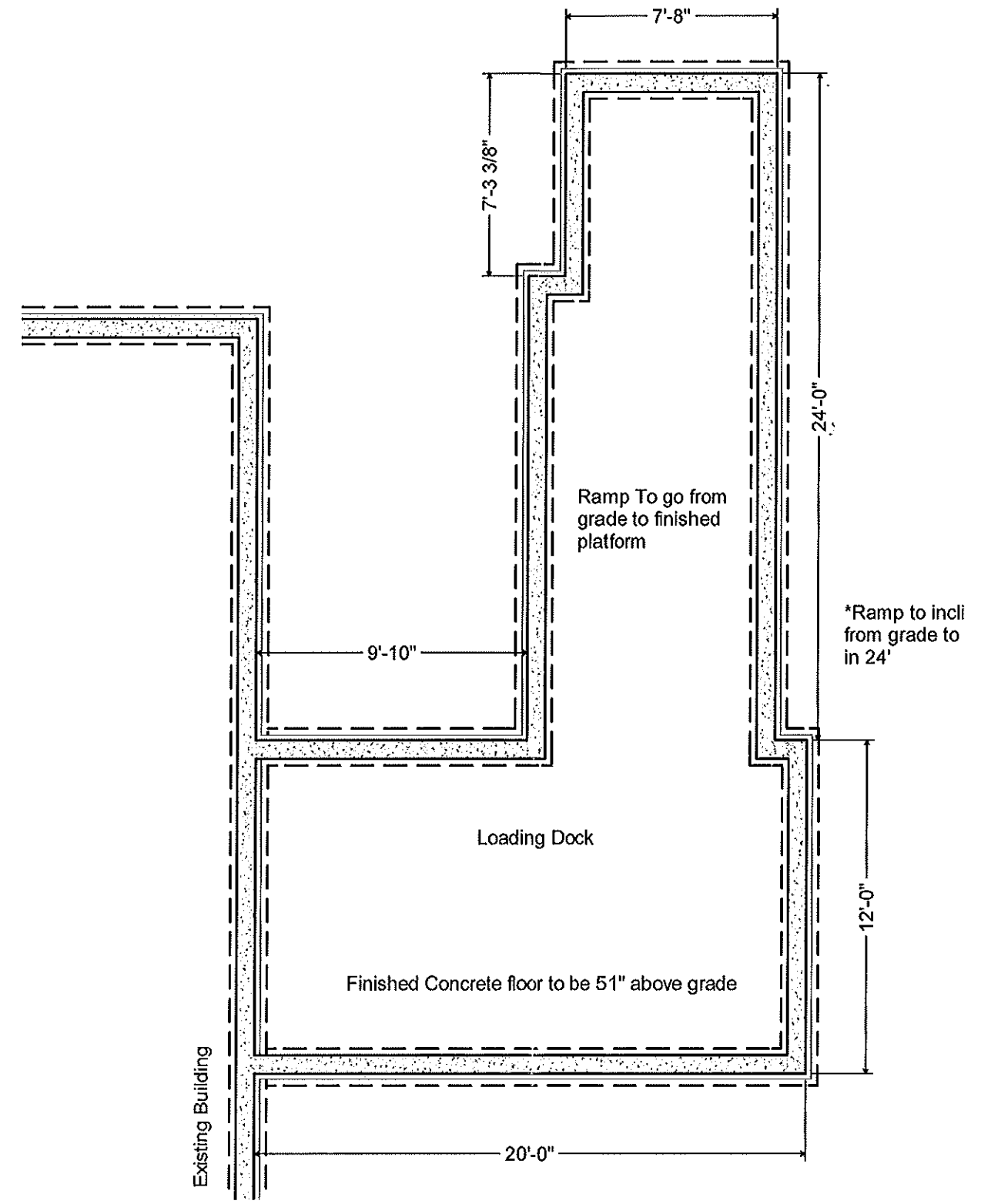
PLAN REFERENCES:

- 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.
 DATE 10/1/91
 STEPHEN B. BISHOP
 ME PROFESSIONAL LAND SURVEYOR #779



SITE PLAN		
OF PROPERTY ON BISHOP STREET, PORTLAND, MAINE MADE FOR PLASMINE TECHNOLOGY, INC.		
Owen Haskell, Inc.		
<i>Civil Engineers</i> South Portland, Maine <i>Land Surveyors</i>		
Drawn By: JLW	Date: OCT. 1, 1991	Job No.: 91163P
Traced By: JLW	Scale: 1" = 20'	Drawn No.: 1
Check By: SSS		
Rev No: 10/1/91		



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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 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
ACI 308 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/SUPPORTING AND DETERMINE WHERE THE TEMPORARY BRACING/SUPPORTING IS NEEDED.

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 THE "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 STIRREPS)	1 1/2 INCHES
CONCRETE NOT EXPOSED TO EARTH OR WEATHER IN COLUMNS AND BEAMS	1 1/2 INCHES

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

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

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

GENERAL NOTES SCALE: NTS

SNOW LOADS:
GROUND SNOW LOAD, $P_g = 60$ PSF
SNOW EXPOSURE FACTOR, $C_e = 1.0$
SNOW LOAD IMPORTANCE FACTOR, $I = 1.0$
THERMAL FACTOR, $C_t = 1.1$
FLAT ROOF SNOW LOAD, $P_f = 45$ PSF + DRFT

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

SEISMIC CRITERIA:
SOIL SITE CLASSIFICATION = D
DESIGN SPECTRAL RESPONSE ACCELERATION:
 $S_{ds} = .37$
 $S_{d1} = .16$
SEISMIC USE GROUP I
SEISMIC DESIGN CATEGORY C
RESPONSE MODIFICATION COEFFICIENT, $R = 6.5$
OCCUPANCY IMPORTANCE FACTOR, $I_p = 1.0$
BASE SHEAR, $V_e = C_s * W = 0.05 * W$
($W =$ SEISMIC WEIGHT)

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.

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 308 STANDARD SPECIFICATION FOR HOT WEATHER CONCRETING
ACI 306 STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING
ACI 309 STANDARD PRACTICE FOR CURING CONCRETE

REQUIRED CONCRETE PARAMETERS ARE AS FOLLOWS:

LOCATION	MAX W/C RATIO	f_c	AIR-ENTRANMENT
INT. CONC./WALLS/SLABS	.52	3,000 PSI	2% ± 1/4%
FOUNDATIONS, FOOTINGS, & FOUNDATION WALLS	.52	3,000 PSI	5-7%
INT. SLAB-ON-GRADE	.47	4,000 PSI	2% ± 1/4%
EXT. SLAB-ON-GRADE	.45	4,000 PSI	6% ± 1/4%

WHERE: W/C = WATER TO CEMENT RATIO AND
 f_c = COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS

MAXIMUM AGGREGATE SIZE SHALL BE 3/4", IN CONFORMANCE WITH ASTM C33.
USE PORTLAND CEMENT TYPE I, 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 6%. 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 CU YD VOLS 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.

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-PAINE-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 TREATED LUMBER (PT OR PPT).
3. WHERE NOTED L.V. ON DRAWINGS, PROVIDE VERSA LAM 3100 BY BOISE CASCADE, OR EQUIVALENT, WHICH HAS THE FOLLOWING MINIMUM ALLOWABLE STRESSES:

A. L.V. PROPERTIES:	
$F_b = 3100$ PSI	$F_c = 2510$ PSI (PARALLEL TO GRAIN)
$F_v = 285$ PSI	$F_e = 750$ PSI (PERPENDICULAR TO GRAIN)
$F_t = 1555$ PSI	$E = 2,000,000$ PSI

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

PROVIDE PRESSURE TREATED OR GALVANIZED 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 CDX SHEATHING:
1. USE 3/4" PLYWOOD WALL SHEATHING. ATTACH PLYWOOD WITH LONG SIDE PERPENDICULAR TO WALL STUDS. STAGGER PANEL ENDS AND BLOCK ALL PANEL EDGES.
2. USE 3/4" 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 3/4" 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 1/3 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 BLOCK OR ON THE DRAWINGS. NAIL MULTIPLE L.V.'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.

CONCRETE NOTES SCALE: NTS

WOOD NOTES SCALE: NTS

ANCHOR BOLT
ADDITIONAL ARCHITECT AND

BOTTOM OF FOOTING
BUILDING BEAM
BOTTOM BEARING BETWEEN

STRUCTURAL STEEL CHANNEL
CANTILEVER
CAST-IN-PLACE CONCRETE CONTROL JOINT
CENTERLINE CLEAR

CONCRETE MASONRY UNIT
CONSTRUCTION JOINT
COLUMN CONCRETE CONNECTION
CONTINUOUS CONCRETE
CONTRACTOR COMPLETE PENETRATION WELD
CURB YARD

DIA
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EXISTING
EACH
EACH FACE
ELEVATION
EQUIV
EQUIPMENT
EACH SIDE
EACH WAY
EXPANSION
EXTERIOR

FOOTING DESIGNATION
FOUNDATION
FINISH FLOOR
FLANGE
FLOOR
FOOT
FOOTING
FIELD VERIFY

GAGE
GALVANIZED

HORIZONTAL
HOLLOW STRUCTURAL SHAPE
HEIGHT

INSIDE FACE
INCH
INFORMATION

JOINT

KIP (1 KIP = 1,000 LBS)
KIPS PER SQUARE INCH

ANGLE
DOUBLE ANGLE
FOUND
LINEAR FOOT
LONG LEG HORIZONTAL
LONG LEG VERTICAL

MAX
MECH
MFR
MIN
MSC

MAXIMUM
MECHANICAL
MANUFACTURER
MINIMUM
MISCELLANEOUS

NEAR FACE
NUMBER
NEAR SIDE
NOT TO SCALE

ON CENTER
OF
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PIER DESIGNATION
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POUNDS PER SQUARE FOOT
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REINFORCING STEEL
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ROOF DRAIN

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STRUCTURAL TUBING
TYPICAL

UNLESS NOTED OTHERWISE

VERTICAL
VERIFY IN FIELD

STRUCTURAL STEEL WIDE FLANGE
WITH
WITHOUT
WORK POINT
WEIGHT
WELDED WIRE FABRIC

ABBREVIATIONS SCALE: NTS

SLOPE DESIGNATION

ELEVATION MARK

ROOF PITCH

SPAN DIRECTION

SECTION MARK

UNDISTURBED EARTH

LEDGE

COMPACTED STRUCTURAL FILL

CONCRETE

GROUT

BRICK

CMU

LEGEND SCALE: NTS

ANCHOR BOLT
ADDITIONAL ARCHITECT AND

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CONCRETE MASONRY UNIT
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CONTINUOUS CONCRETE
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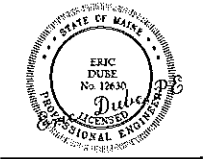
UNLESS NOTED OTHERWISE

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WITH
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WEIGHT
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CLIENT:
FORTIN CONSTRUCTION
35 MARKARLYN ST
AUBURN, ME 04210



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

ISSUED	DATE	BY	FOR
DESCRIPTION	7-4-12	S.P.	FOR CONSTRUCTION
NO.	0		

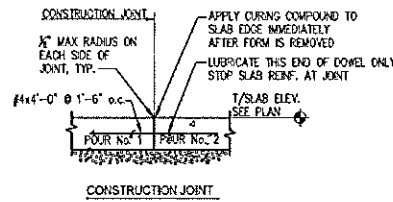
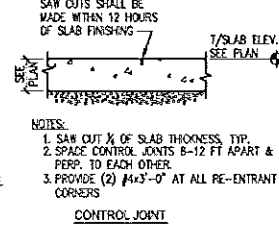
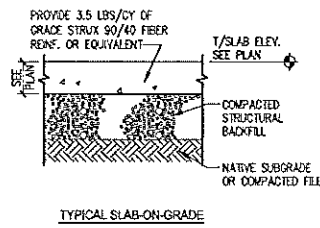
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STRUCTURAL NOTES

DESIGNED: S.P.
DRAWN: S.P.
DATE: 7-2-12
PROJECT NUMBER: 12-053

S000

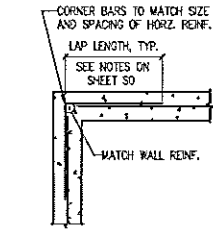
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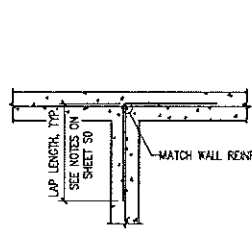


TYPICAL SLAB-ON-GRADE DETAILS

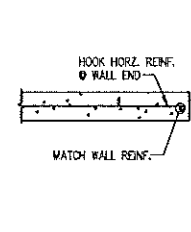
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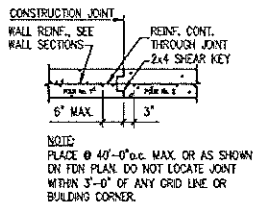
DETAIL @ WALL CORNER
W/ SINGLE ROW OF WALL REINFORCING



DETAIL @ WALL INTERSECTION
W/ SINGLE ROW OF WALL REINFORCING



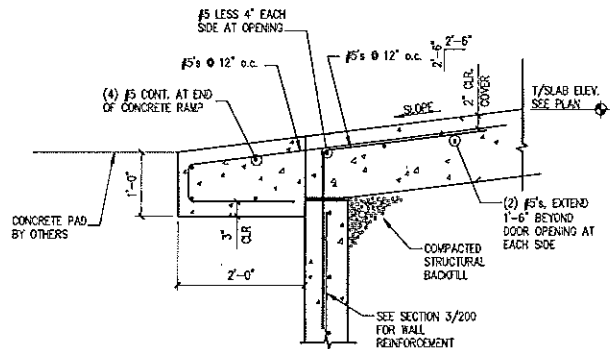
DETAIL @ WALL END
W/ SINGLE ROW OF WALL REINFORCING



CONSTRUCTION JOINT DETAIL
W/ SINGLE ROW OF WALL REINFORCING

TYPICAL FOUNDATION WALL DETAILS

SCALE: NTS 2

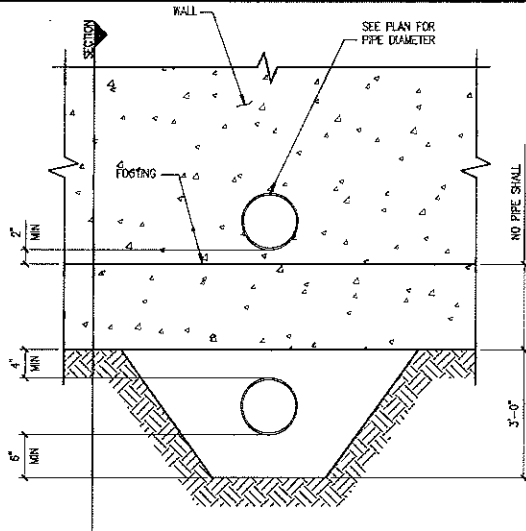


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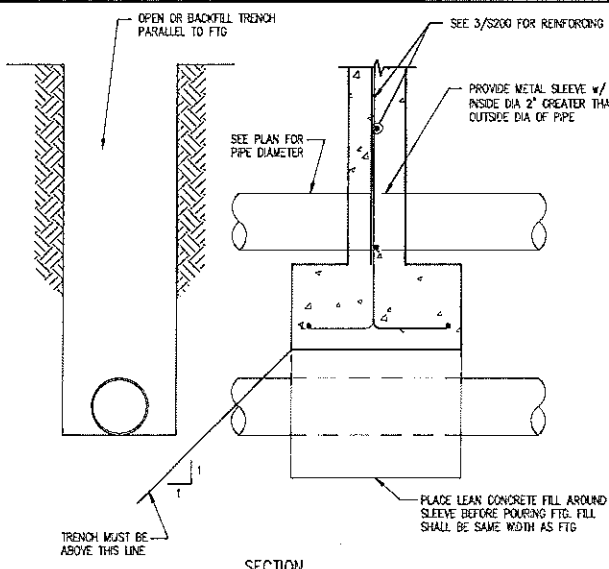
SCALE: 3/4" = 1'-0"

SECTION 6

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



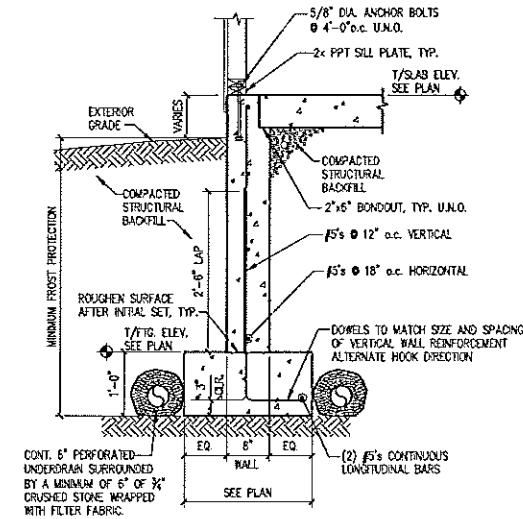
ELEVATION



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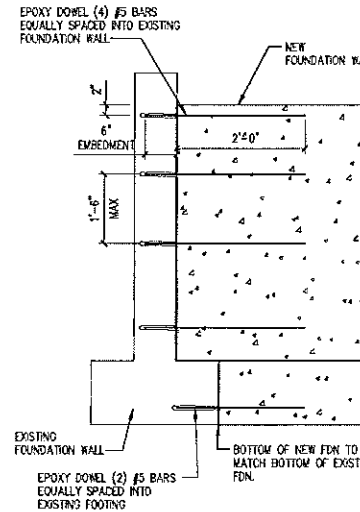
TYPICAL PIPE ENCASEMENT UNDER/THROUGH FOOTING

SCALE: 1" = 1'-0" 8



TYPICAL RAMP SECTION

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

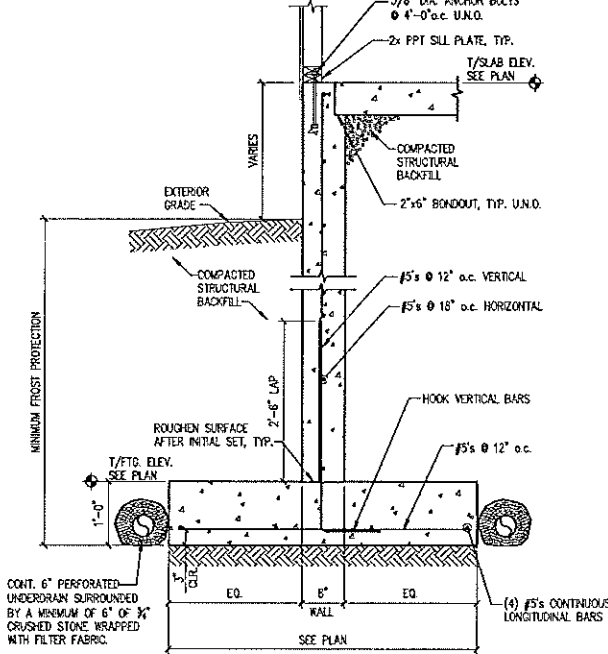


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SCALE: 3/4" = 1'-0" 7

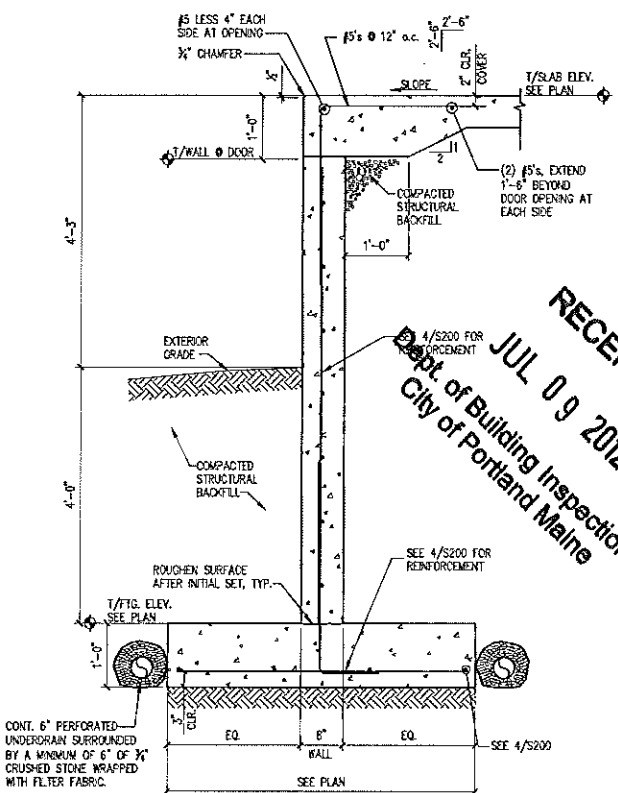
TYPICAL STEPPED FOOTING DETAIL

SCALE: 3/4" = 1'-0" 9



TYPICAL SECTION AT LOADING DOCK

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

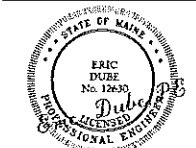


SECTION

SCALE: 3/4" = 1'-0" 10

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



PLASMIANE TECHNOLOGY
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NEW LOADING DOCK

NO.	DATE	BY	FOR
0	7-6-12	S.P.	FOR CONSTRUCTION

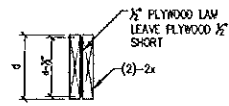
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CONCRETE DETAILS

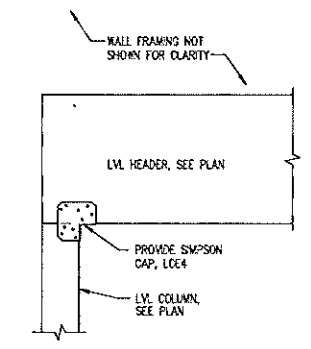
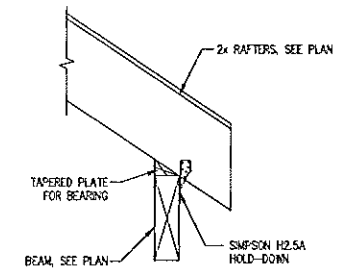
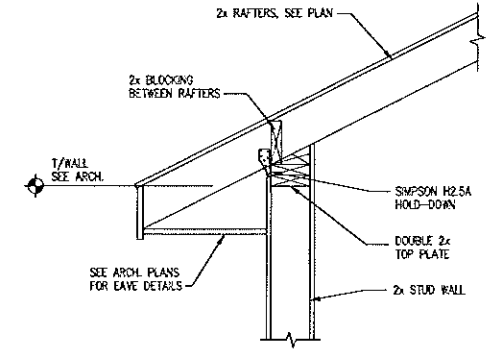
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DATE: 7-2-12
PROJECT NUMBER: 12-053

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City of Portland Maine



NOTE:
 1. PROVIDE # OF FULL HEIGHT KING STUDS ON EACH SIDE OF OPENING TO MATCH 1/2 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.

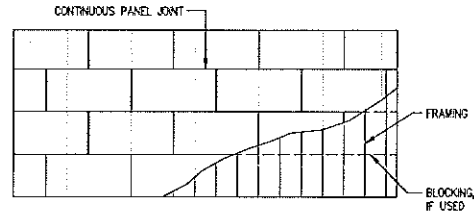


TYPICAL HEADER DETAIL SCALE: 1"=1'-0" 1

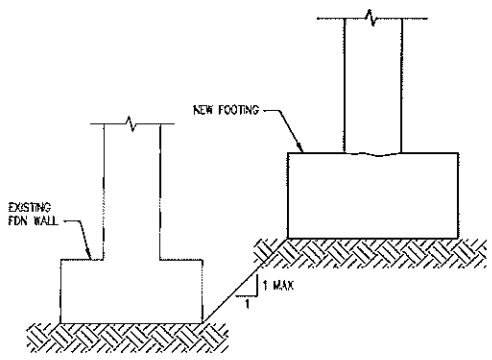
SECTION SCALE: 1"=1'-0" 2

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

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



NOTES FOR TYPICAL FLOOR/ROOF SHEATHING DETAIL:
 1. SEE S300 FOR WOOD NOTES FOR SHEATHING REQUIREMENTS.
 2. USE APA RATED 3/4-INCH CDX PLYWOOD SHEATHING ON ROOF.
 3. ATTACH ROOF AND FLOOR DIAPHRAGMS W/BDI 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

PRINTED: Jul 06, 2012

CASCO BAY ENGINEERING
 424 Fore Street
 Portland, ME 04103
 Phone 207.842.2800
 Fax 207.842.2818
 www.cascobayengineering.com

CLIENT:
FORTIN CONSTRUCTION
 35 MARWALYNN ST
 AUBURN, ME 04210



PLASMINE TECHNOLOGY
 33 BISHOP ST.
 PORTLAND, ME

NEW LOADING DOCK

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

ISSUED	DESCRIPTION	DR		CHK		DATE	
		BY	SLIP	BY	ED		
No.	0						7.6.12

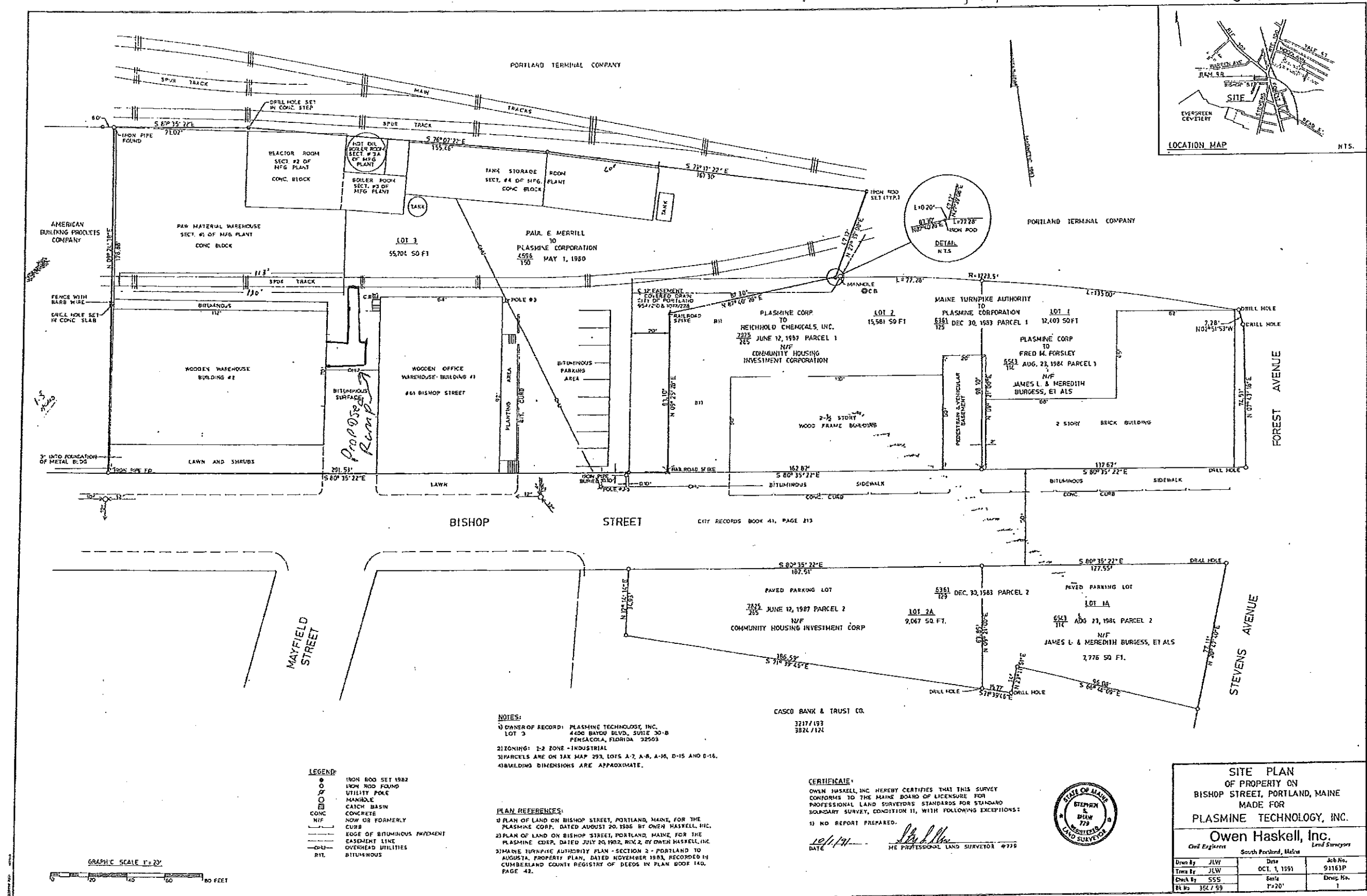
SHEET TITLE

FRAMING DETAILS

DESIGNED	S.P.
DRAWN	S.P.
DATE	7-2-12
PROJECT NUMBER	12-063

S300

IM zone - Impervious 75% - ramp on paved surface (circled)
 Sides of 1/4" red. H/A
 front - 1' for each foot of building height - 25 stairs > 35 set back (circled)



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 1-7, A-B, A-10, 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, 1988 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.

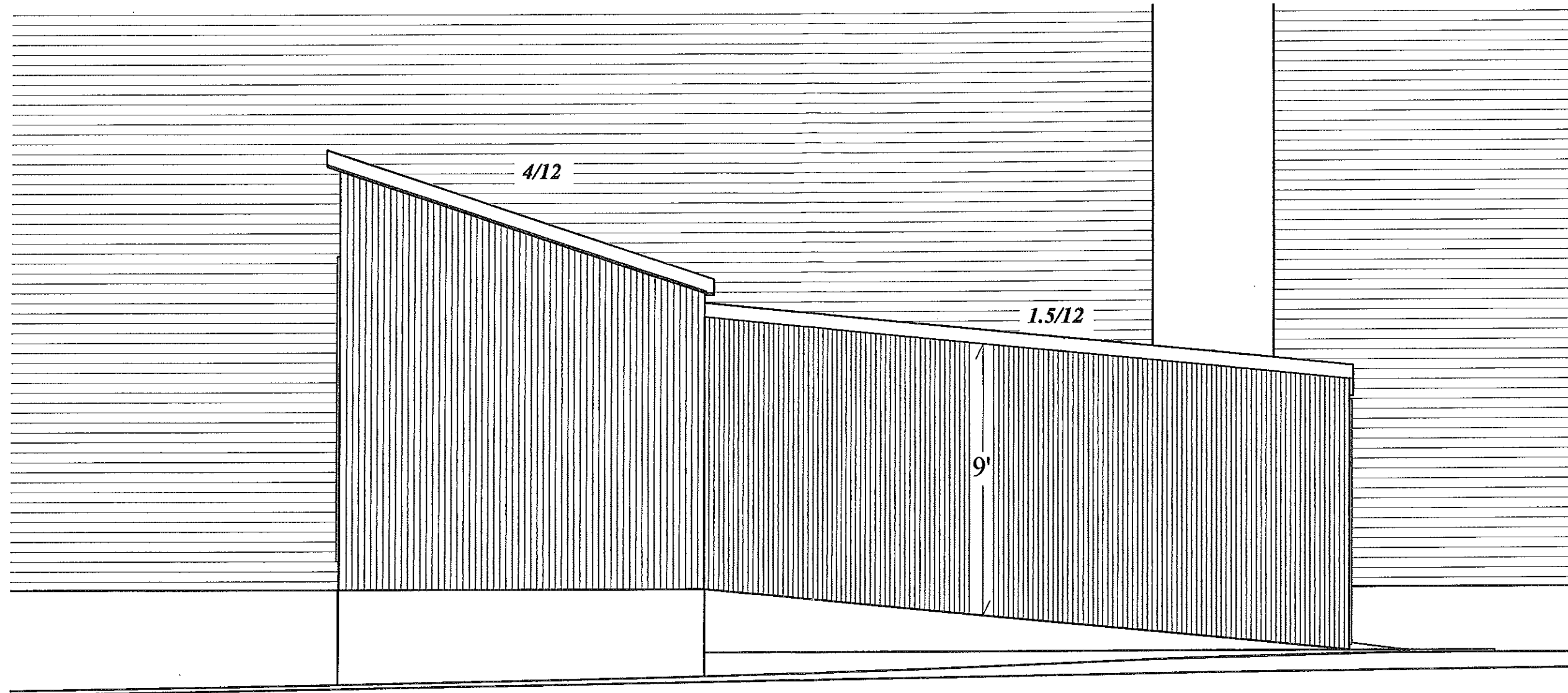
CERTIFICATE:
 OWEN HASKELL, INC. HEREBY CERTIFIES THAT THIS SURVEY CONFORMS TO THE MAINE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS STANDARDS FOR STANDARD BOUNDARY SURVEY, CONDITION II, WITH FOLLOWING EXCEPTIONS:
 1) NO REPORT PREPARED.
 DATE 10/1/91
 STEPHEN B. HAN 779
 ME PROFESSIONAL LAND SURVEYOR #978



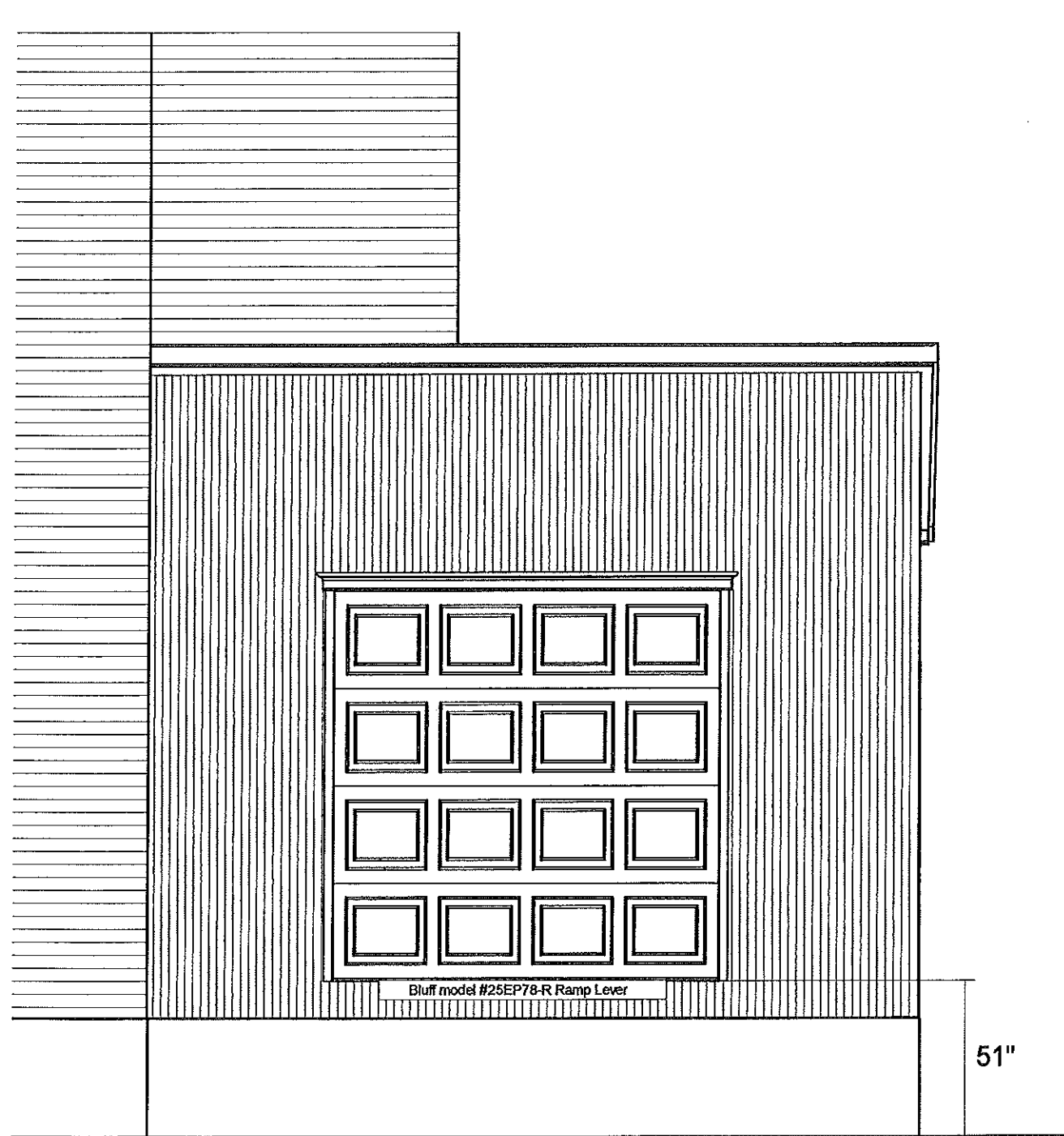
SITE PLAN
 OF PROPERTY ON
 BISHOP STREET, PORTLAND, MAINE
 MADE FOR
 PLASMINE TECHNOLOGY, INC.

Owen Haskell, Inc.
 Civil Engineer South Portland, Maine
 Lead Surveyors

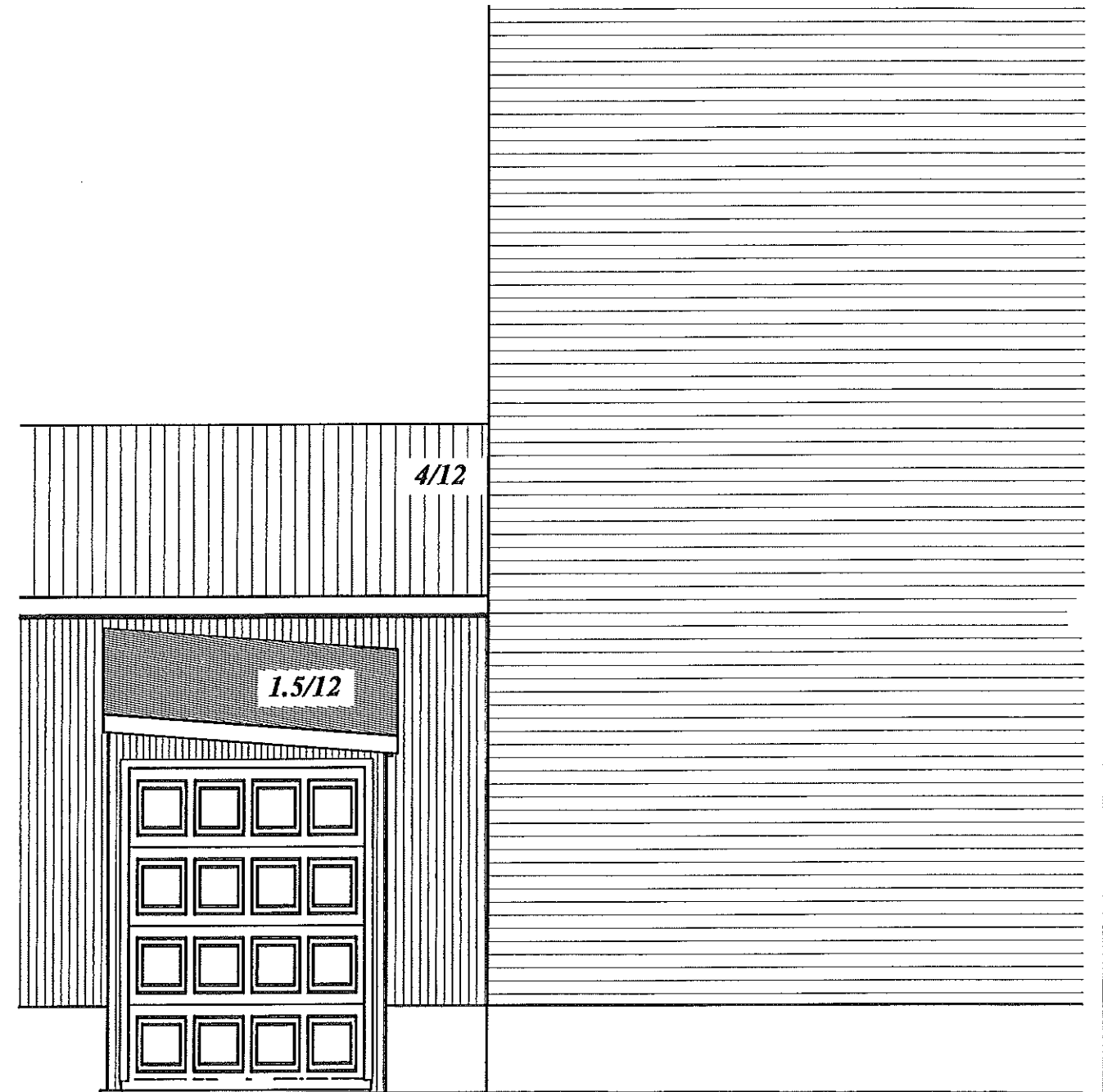
Drawn By	JLW	Date	OCT. 1, 1991	Job No.	91161P
Time By	JLW	Scale	1"=20'	Drawn No.	1
Check By	SSS				
BL No	367/59				



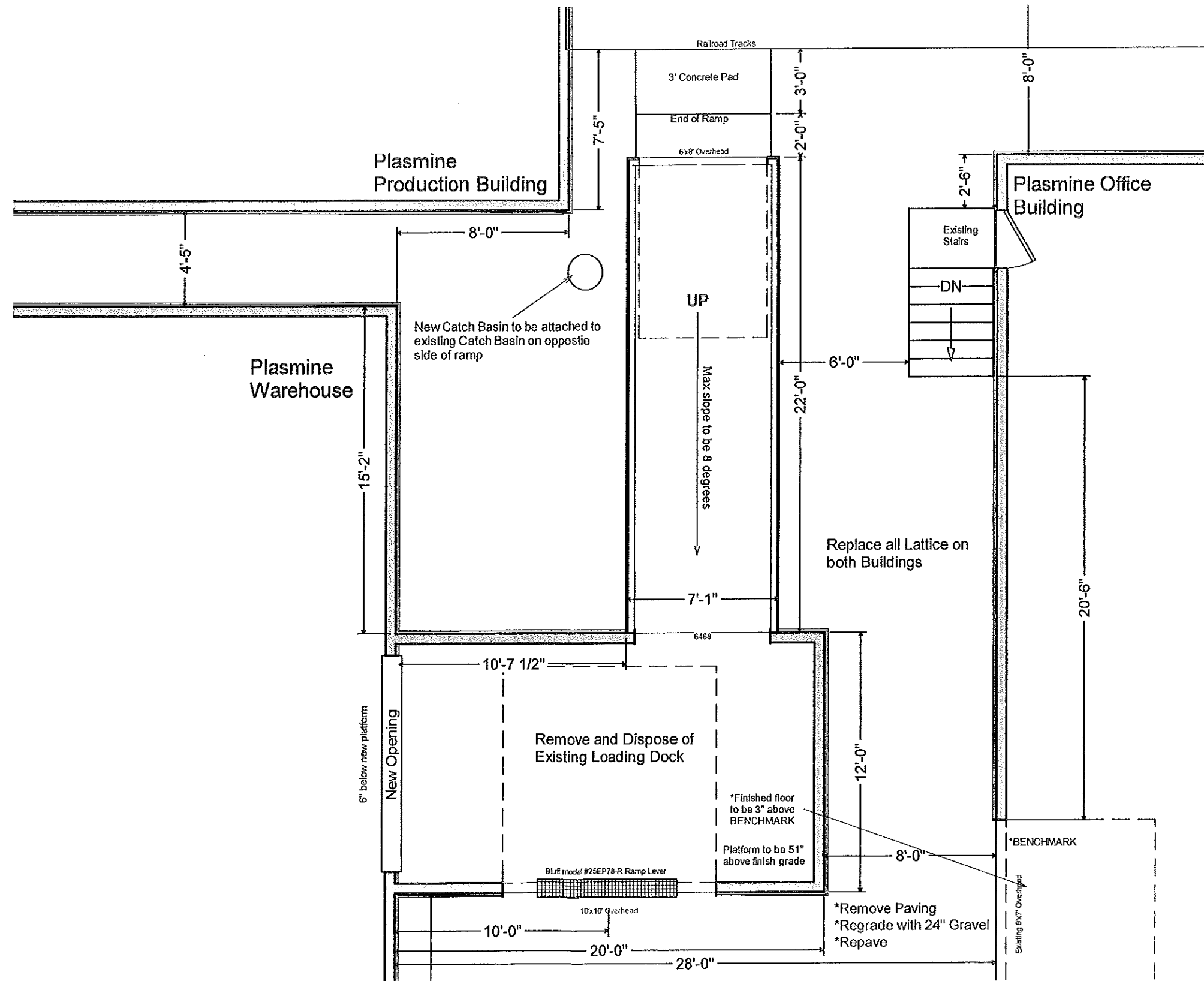
Right Elevation



Front Elevation



Rear Elevation

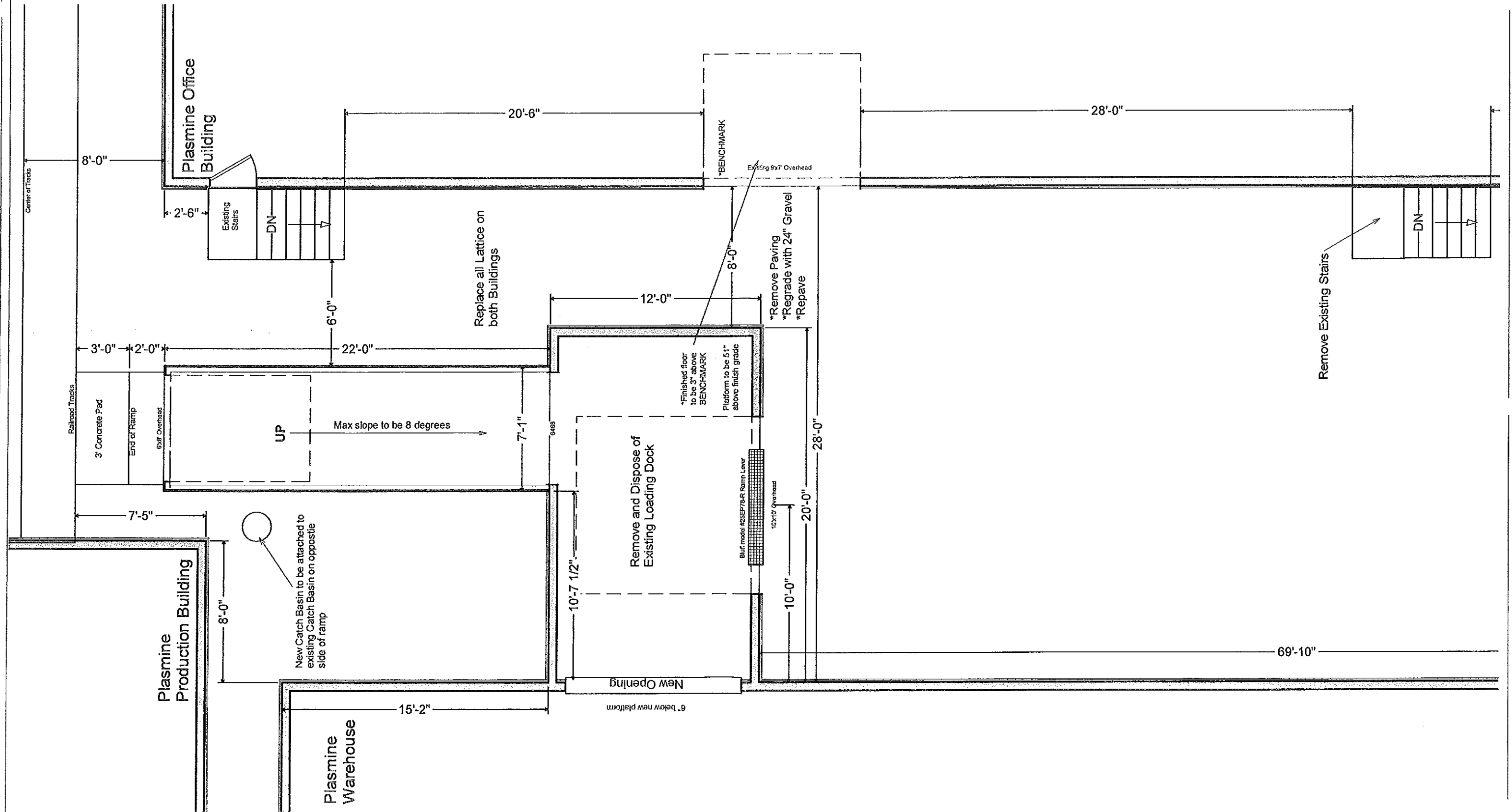


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Final Plans
Approved By/On: _____

Flooring Breaks
Approved By/On: _____

Layout



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