

# DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read Application And Notes, if Any, Attached

BU... ..ION

**PERMIT**

**PERMIT ISSUED**

Permit Number: 100003

This is to certify that H. FINKELMAN INC / Bancroft Contracting SEP 17 2010

has permission to install exterior truck scale

AT 560 RIVERSIDE ST CE 321 A001001 City of Portland

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

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

Notification of inspection must be given and written permission procured before this building or part thereof is altered or otherwise changed-in. 24 HOURS NOTICE IS REQUIRED.

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

**OTHER REQUIRED APPROVALS**

Fire Dept. CAPT. R. Southern

Health Dept. \_\_\_\_\_

Appeal Board \_\_\_\_\_

Other \_\_\_\_\_  
Department Name

*James Burke* 9/1/10  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

**City of Portland, Maine - Building or Use Permit Application**

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

Permit No: 10-0883	Issue Date:	CBL: 321 A001001
-----------------------	-------------	---------------------

Location of Construction: 560 RIVERSIDE ST	Owner Name: H FINKELMAN INC	Owner Address: 3200 NW YEON	Phone:
Business Name:	Contractor Name: Bancroft Contracting Corp	Contractor Address: 23 Phillips Road South Paris	Phone: 2077438946
Lessee/Buyer's Name	Phone:	Permit Type: Additions - Commercial	Zone: I-H

Past Use: Commercial - metal recycling facility	Proposed Use: Commercial - install exterior truck scale	Permit Fee: \$420.00	Cost of Work: \$40,000.00	CEO District: 5
Proposed Project Description: install exterior truck scale		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied * See Conditions	INSPECTION: Use Group: U Type:	
		Signature: (KG)	Signature: JMB 9/1/10	
		PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
		Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
		Signature: Date:		

Permit Taken By: Idobson	Date Applied For: 07/26/2010	<b>Zoning Approval</b>	
-----------------------------	---------------------------------	------------------------	--

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..</p>	<p><b>Special Zone or Reviews</b></p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: 8/20/10 JEM</p>	<p><b>Zoning Appeal</b></p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p><b>Historic Preservation</b></p> <p><input checked="" type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>
	<p><b>PERMIT ISSUED</b></p> <p>SEP 17 2010</p> <p>City of Portland</p>		

**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

**City of Portland, Maine - Building or Use Permit**

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

Permit No: 10-0883	Date Applied For: 07/26/2010	CBL: 321 A001001
-----------------------	---------------------------------	---------------------

Location of Construction: 560 RIVERSIDE ST	Owner Name: H FINKELMAN INC	Owner Address: 3200 NW YEON	Phone:
Business Name:	Contractor Name: Bancroft Contracting Corp	Contractor Address: 23 Phillips Road South Paris	Phone: (207) 743-8946
Lessee/Buyer's Name	Phone:	Permit Type: Additions - Commercial	

Proposed Use: Commercial - install exterior truck scale	Proposed Project Description: install exterior truck scale
--	---

Dept: Zoning	Status: Approved with Conditions	Reviewer: Ann Machado	Approval Date: 08/20/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.			
Dept: Building	Status: Approved with Conditions	Reviewer: Jeanine Bourke	Approval Date: 09/01/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) 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.			
2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work.			
Dept: Fire	Status: Approved with Conditions	Reviewer: Capt Keith Gautreau	Approval Date: 08/25/2010
Note:	Ok to Issue: <input checked="" type="checkbox"/>		
1) This permit is being approved on the basis of the plans submitted. Any deviation from the plans would require amendments and approval.			

<b>Comments:</b>
8/6/2010-amachado: Sent email to Rick. Was the scale part of the original review or does this need a separate review?
8/20/2010-amachado: Rick sent email confirming that the scale was on the approved site plan.

**PERMIT ISSUED**

SEP 17 2010

City of Portland

## **BUILDING PERMIT INSPECTION PROCEDURES**

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

**or email: [buildinginspections@portlandmaine.gov](mailto: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 Inspection 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 with construction.**

  X   **Footing/Building Location Inspection: Prior to pouring concrete or setting precast piers**

  X   **Re-Bar Schedule Inspection: Prior to pouring concrete**

  X   **Final inspection required at completion of work.**

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

**PERMIT ISSUED**

**SEP 17 2010**

City of Portland



**CITY OF PORTLAND, MAINE**  
 Department of Building Inspections

**Original Receipt**

7.26. 2010

Received from Bancroft +

Location of Work 560 Riverside

Cost of Construction \$ \_\_\_\_\_ Building Fee: \_\_\_\_\_

Permit Fee \$ \_\_\_\_\_ Site Fee: \_\_\_\_\_

Certificate of Occupancy Fee: \_\_\_\_\_

Total: 420

Building (U) \_\_\_\_\_ Plumbing (15) \_\_\_\_\_ Electrical (12) \_\_\_\_\_ Site Plan (U2) \_\_\_\_\_

Other \_\_\_\_\_

CEL: 321-A-1

Check #: CC Total Collected \$ 420

**No work is to be started until permit issued.  
 Please keep original receipt for your records.**

Taken by: [Signature]

WHITE - Applicant's Copy  
 YELLOW - Office Copy  
 INK - Permit Copy



# 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.

Location/Address of Construction: <u>568 RIVERSIDE STREET PORTLAND</u>		
Total Square Footage of Proposed Structure/Area <u>1,830 S.F. EXTERIOR SCALE</u>		Square Footage of Lot <u>12.9 ACRES</u>
Tax Assessor's Chart, Block & Lot Chart# <u>321-322</u> Block# <u>A</u> Lot# <u>2.7</u> <u>AND PART 1</u>	Applicant <sup>must be owner, Lessee or Buyer</sup> Name <u>Proterized New England LLC</u> Address <u>3200 NW YEON AVE</u> City, State & Zip <u>PORTLAND, OREGON 97210</u>	Telephone: _____
Lessee/DBA (if Applicable)	Owner (if different from Applicant) Name _____ Address _____ City, State & Zip _____	Cost Of Work: \$ <u>40,000</u> C of O Fee: \$ _____ Total Fee: \$ _____
Current legal use (i.e. single family) <u>INDUSTRIAL</u>		
If vacant, what was the previous use? _____		
Proposed Specific use: _____		
Is property part of a subdivision? <u>NO</u> If yes, please name _____		
Project description: <u>CONSTRUCTION OF AN EXTERIOR TRUCK SCALE AT A NEW SCRAP METAL RECYCLING FACILITY.</u>		
Contractor's name: <u>Bancroft Contracting Corp.</u>		<u>MAIL</u>
Address: <u>23 Phillips Road</u>		
City, State & Zip <u>So. Paris, ME 04241</u>		Telephone: <u>207-743-8946</u>
Who should we contact when the permit is ready: <u>George Rice</u>		Telephone: <u>207-990-3122</u>
Mailing address: <u>Same as 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](http://www.portlandmaine.gov), or stop by the Inspections Division office, room 311 City Hall or call 874-8703.

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: [Signature] General Manager Date: 7-23-10

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

**Ann Machado - Re: 560 Riverside Street**

---

**From:** Rick Knowland  
**To:** Ann Machado  
**Date:** 8/20/2010 9:45 AM  
**Subject:** Re: 560 Riverside Street

---

Ann, Sorry for the delay. The scale was shown on the approved site plan. Therefore it is acceptable.

>>> Ann Machado Thursday, August 19, 2010 >>>

Have you had a chance to look at the plans for Prolerized New England for the truck scale?

Thanks.

Ann



# Certificate of Design Application

From Designer: CIVIL CONSULTANTS  
 Date: JULY 23, 2010  
 Job Name: VEHICLE SCALE FOUNDATION  
 Address of Construction: 508 RIVERSIDE STREET, PORTLAND

## 2003 International Building Code

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

Building Code & Year 2009 Use Group Classification (s) \_\_\_\_\_  
 Type of Construction \_\_\_\_\_  
 Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC NA  
 Is the Structure mixed use? NA If yes, separated or non separated or non separated (section 302.3) \_\_\_\_\_  
 Supervisory alarm System? NA Geotechnical/Soils report required? (See Section 1802.2) \_\_\_\_\_

### Structural Design Calculations

\_\_\_\_\_ Submitted for all structural members (106.1 - 106.11)

### Design Loads on Construction Documents (1603)

Floor Area Use	Loads Shown

### Wind loads (1603.1.4, 1609)

\_\_\_\_\_ Design option utilized (1609.1.1, 1609.6)  
 \_\_\_\_\_ Basic wind speed (1609.3)  
 \_\_\_\_\_ Building category and wind importance Factor,  $I_w$  table 1604.5, 1609.5  
 \_\_\_\_\_ Wind exposure category (1609.4)  
 \_\_\_\_\_ Internal pressure coefficient (ASCE 7)  
 \_\_\_\_\_ Component and cladding pressures (1609.1.1, 1609.6.2.2)  
 \_\_\_\_\_ Main force wind pressures (7603.1.1, 1609.6.2.1)

### Earth design data (1603.1.5, 1614-1623)

\_\_\_\_\_ Design option utilized (1614.1)  
 \_\_\_\_\_ Seismic use group ("Category")  
 \_\_\_\_\_ Spectral response coefficients,  $S_D$  &  $S_1$  (1615.1)  
 \_\_\_\_\_ Site class (1615.3)

\_\_\_\_\_ Live load reduction  
 \_\_\_\_\_ Roof live loads (1603.1.2, 1607.11)  
 \_\_\_\_\_ Roof snow loads (1603.7.3, 1608)  
 \_\_\_\_\_ Ground snow load,  $P_g$  (1608.2)  
 \_\_\_\_\_ If  $P_g > 10$  psf, flat-roof snow load  $P_f$   
 \_\_\_\_\_ If  $P_g > 10$  psf, snow exposure factor,  $C_e$   
 \_\_\_\_\_ If  $P_g > 10$  psf, snow load importance factor,  $I_s$   
 \_\_\_\_\_ Roof thermal factor,  $C_t$  (1608.4)  
 \_\_\_\_\_ Sloped roof snowload,  $P_s$  (1608.4)  
 \_\_\_\_\_ Seismic design category (1616.3)  
 \_\_\_\_\_ Basic seismic force resisting system (1617.6.2)  
 \_\_\_\_\_ Response modification coefficient,  $R$ , and deflection amplification factor,  $C_d$  (1617.6.2)  
 \_\_\_\_\_ Analysis procedure (1616.6, 1617.5)  
 \_\_\_\_\_ Design base shear (1617.4, 1617.5.1)

### Flood loads (1803.1.6, 1612)

\_\_\_\_\_ Flood Hazard area (1612.3)  
 \_\_\_\_\_ Elevation of structure

### Other loads

\_\_\_\_\_ Concentrated loads (1607.4)  
 \_\_\_\_\_ Partition loads (1607.5)  
 \_\_\_\_\_ Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)

Building Inspections Division • 389 Congress Street • Portland, Maine 04101 • (207) 874-8703 • FACSIMILE (207) 874-8716 • TTY (207) 874-8936



# Certificate of Design

Date: JULY 23, 2010  
 From: CARL V BEAL, P.E. FOR NEIL J. RAPCZA, P.E.

These plans and / or specifications covering construction work on:

VEHICLE SCALE FOUNDATION  
PNE SCRAP METAL FACILITY, 508 RIVERSIDE ST.

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the 2003 International Building Code and local amendments.  
2009

Signature: Carl V Beal  
 Title: SENIOR ENGINEER  
 Firm: CIVIL CONSULTANTS  
 Address: PO Box 100  
SOUTH, BERNICK, ME 03908  
 Phone: 207-324-2550

(SEAL)

For more information or to download this form and other permit applications visit the Inspections Division on our website at [www.portlandmaine.gov](http://www.portlandmaine.gov)



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

**LOAD CELL LOCATION PLAN**  
SCALE: 1/4"=1'-0"

**REINFORCEMENT:**

- REINFORCEMENT WORK OF DETAILING, FABRICATION, AND ERECTION SHALL CONFORM TO BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318), AS DETAILING CODE - REINFORCEMENT STEEL.
- STEEL REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL CONFORM TO THE FOLLOWING:
  - BAR, TIES, AND STRIPPINGS .....ASTM A618
  - WELDED WIRE FABRIC (WFF) .....ASTM A185
- PROVIDE A SCHEDULE ON THE SHOP DRAWINGS SHOWING THE NECESSARY REINFORCEMENT FOR ALL LOAD CELLS. THE REINFORCEMENT SHALL BE SHOWN AS SLAB SOLICITS, CONTINUOUS AND LAP WITH CONTINUOUS JOINTS TO SUPPORT BAR. MINIMUM CONCRETE PROTECTIVE COATING FOR REINFORCEMENT, UNLESS NOTED OTHERWISE, SHALL BE AS FOLLOWS:
  - A. SURFACES CAST AGAINST AND PERMANENTLY IN CONTACT WITH EARTH .....3.0"
  - B. FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER .....2.0"
  - C. SURFACES NOT IN CONTACT WITH EARTH OR EXPOSED TO WEATHER .....1.5"
  - D. BEAMS, DECKERS, AND COLLARERS .....1.5"
  - E. PRINCIPAL REINFORCEMENT, TIES, STRIPPINGS, OR SPIRALS .....1.5"
- WHERE CONTINUOUS REINFORCEMENT IS CALLED FOR IT SHALL BE EXTENDED CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPACES OR HOOKED AT DISCONTINUOUS ENDS. LAPS SHALL BE CLASS B TENSION LAP SPACES, UNLESS NOTED OTHERWISE.
- WHERE REINFORCEMENT IS REQUIRED IN SECTION, REINFORCEMENT IS COMBINED TYPICAL UNLESS NOTED OTHERWISE.
- DOBELLS SHALL MATCH BAR SIZE AND NUMBER, UNLESS NOTED OTHERWISE.
- WELDED WIRE FABRIC SHALL LAP UP OR 2 SPACES, UNLESS NOTED OTHERWISE. LAPS SHALL BE WELDED TOGETHER 3'-0" ON CENTER, IF REQUIRED FOR SLAB CONSTRUCTION.
- REINFORCEMENT SHALL NOT BE TACK WELDED.

**EVALUATION:**

- FOUNDATIONS FOR THIS PROJECT CONSIST OF TOWER WALL FOOTINGS AND COMBINED SPREAD FOOTINGS ASSUMED ALLOWABLE SOIL (FOOTING) BEARING CAPACITY IS 1,000 PSF PER SQUARE FOOT. A GEOTECHNICAL EVALUATION PREPARED BY R.E. CHAPMAN & ASSOCIATES, DATED OCTOBER 1, 2008.
- FOUNDATION UNITS SHALL BE CENTERED UNDER SUPPORTED STRUCTURAL MEMBERS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- CONSTRUCTION SHALL BE CARRIED DOWN BELOW FINISHED EXTERIOR GRADE TO A MINIMUM DEPTH OF 4'-0", UNLESS NOTED OTHERWISE.
- CARRY OUT CONTINUOUS CONTROL OF SURFACE AND SUBSURFACE WATER DURING CONSTRUCTION SUCH THAT FOUNDATION UNITS BE DONE IN DRY AND ON UNDISTURBED SUBGRADE MATERIAL. FOR DETAILING PROCEDURES, SEE GEOTECHNICAL EVALUATION PREPARED BY R.E. CHAPMAN & ASSOCIATES, DATED OCTOBER 1, 2008.
- FOOTINGS SHALL BE FINISHED BY HAND SHOULDER.
- STRUCTURAL FILL UNDER ANY PORTION OF THE STRUCTURE SHALL BE COMPACTED IN LIFTS AS INDICATED IN THE GEOTECHNICAL REPORT.
- NO FOUNDATION CONCRETE SHALL BE PLACED IN WATER OR ON FROZEN SUBGRADE MATERIAL.
- PROTECT IN-PLACE FOUNDATIONS AND SLABS FROM FROST PENETRATION UNTIL THE PROJECT IS COMPLETED.
- DO NOT BACKFILL BEHIND FOUNDATIONS AND WALLS UNTIL PERMANENT LATERAL STRUCTURAL SUPPORT SYSTEM IS IN PLACE AND OF FULL STRENGTH.
- HEAVING, SWELLING AND GRADING FOR THE LATERAL SUPPORT OF EXCAVATION SHALL REMAIN IN PLACE UNTIL ALL PERMANENT STRUCTURAL SYSTEMS AT AND BELOW GRADE LEVEL ARE COMPLETE.
- ALL UNDESIRABLE SOILS SHALL BE REMOVED AND THE BOTTOM SURFACE OF EACH SHALL REST ON COMPACTED STRUCTURAL FILL. THE DESIGN BEARING VALUE FOR ALL FOOTINGS IS 1,000 LBS PER SQUARE FOOT. IF ROCK IS ENCOUNTERED, ONE EXCAVATE ROCK AT LEAST 8 INCHES BELOW FOOTINGS AND PLACE FOOTINGS ON COMPACTED STRUCTURAL FILL CONTACT NUMBER.

**GENERAL:**

- CONCRETE WORK SHALL CONFORM TO BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318), AND SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 308).
- CONCRETE SHALL BE CONTROLLED CONCRETE, PREPARED, MIXED, AND PLACED IN THE PRESENCE OF A REPRESENTATIVE OF AN APPROVED TESTING AGENCY.
- UNLESS NOTED OTHERWISE, CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH AND BE OF A TYPE AS FOLLOWS:
  - A. EXTERIOR SLABS ON GRADE (AIR-ENTAINED) .....4,000 PSI (NORMAL WEIGHT)
  - B. EXTERIOR SLABS ON GRADE (NON-ENTAINED) .....4,000 PSI (NORMAL WEIGHT)
- CONSTRUCTION JOINTS SHOWN ON DRAWINGS ARE MANDATORY. OMISSIONS, ADDITIONS, OR CHANGES TO THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL CONSTRUCTION JOINTS SHALL BE FORMED WITH A STANDARD KEY AND ALL REINFORCEMENT EXTENDED 48 INCHES.
- MINIMUM OF 72 HOURS BETWEEN ADJACENT CONCRETE PLACEMENTS.
- CONCRETE SHALL BE PLACED WITHOUT HORIZONTAL CONSTRUCTION JOINTS EXCEPT WHERE SHOWN OTHERWISE ON THE DRAWINGS.
- CONTRACTOR MAY UTILIZE ADMIXTURES THAT IMPROVE WORKABILITY. CONTRACTOR SHALL PROVIDE MIX DESIGN AS PART OF THE SHOP DRAWINGS APPROVAL PROCESS.
- WHERE FILL FOR FOUNDATIONS AND SLAB ON GRADE IS REQUIRED THE FOLLOWING MATERIAL SHALL BE USED:
  - STRUCTURAL FILL SHALL CONSIST OF A WELL GRADED MIXTURE OF SAND AND GRAVEL.
  - STRUCTURAL FILL SHALL BE PLACED IN LIFTS OF 4" TO 6" MAXIMUM SIZE AND OTHER COLLECTIONABLE MATERIAL. THE GRANULOMETER OF THIS MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS:
 

US STANDARD	PERCENT BY WEIGHT PASSING
NO. 10	100
NO. 20	90-100
NO. 40	85-100
NO. 60	75-100
NO. 100	65-100
NO. 200	55-100
  - NOTE: MAXIMUM STONE SIZE SHALL BE 3 INCHES FOR ALL BACKFILL AGAINST FOUNDATION WALLS.

**REVISIONS**

NO.	REVISED ELEVATIONS PER SITE PLAN	DATE	INT.
1	ADDED LIGHT TOWER FOUNDATION	4/28/10	NJR
2	REVISED ELEVATIONS PER SITE PLAN	4/21/10	NJR

**PREPARED FOR:**  
PNE SCRAP METAL FACILITY  
RIVERSIDE STREET  
PORTLAND, MAINE

**PROLIERZED NEW ENGLAND CO., LLC**  
MAILING ADDRESS: 89 ROVER STREET, EVERETT, MA 02148

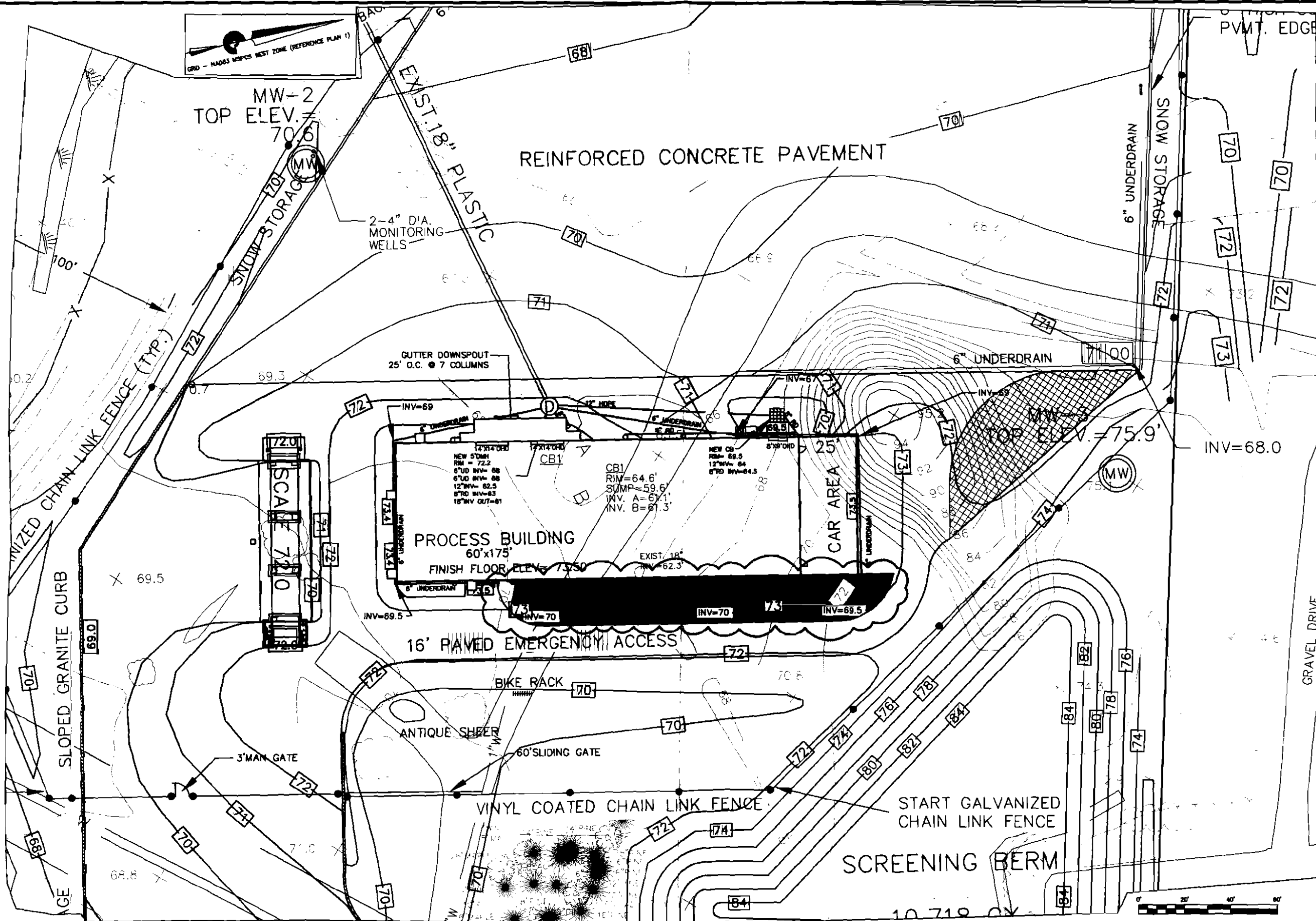
**CIVIL CONSULTANTS**  
Engineers  
Planners  
Surveyors  
P.O. Box 100  
South Berwick  
Maine  
03880  
207-364-3600  
cnc@pne.com

**FOUNDATION PLAN AND NOTES**

SHEET NUMBER: **F1**

SHEET 1 OF 2

PROJECT # **06-769.50**



**CIVIL CONSULTANTS**  
 Engineers  
 Planners  
 Surveyors  
 P.O. Box 100  
 South Berwick  
 Maine  
 03908  
 207-864-2800  
 ccon@cccon.com

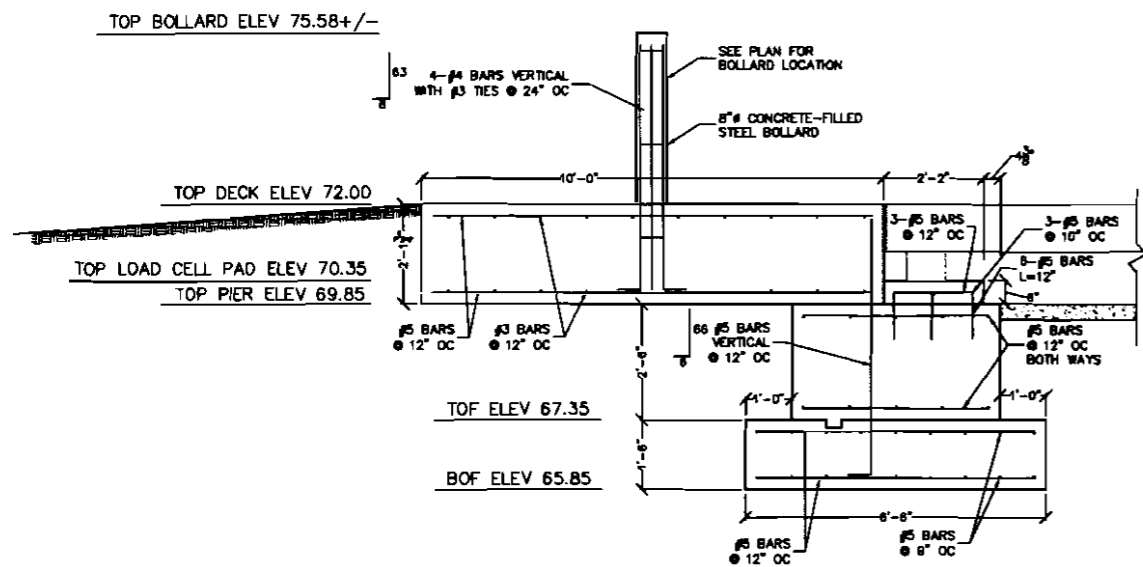
NO.	REVISIONS	INT.	DATE
7.	REMOVE PAVEMENT & OH DOOR	CVB	7-20-10
6.	REGRADE SCALE & REVERSE PAVEMENT	CVB	7-08-10
5.	MOVED SCALE & ADDED PAVEMENT	CVB	7-01-10
4.	REVISIONS TO CITY STAFF COMMENTS	CVB	5-13-10
3.	REVISIONS TO CITY STAFF COMMENTS	CVB	5-13-10
2.	RAISE BLDG. FLOOR & SITE ELEV.	CVB	5-10-10
1.	LOWER BLDG. FLOOR & SITE ELEV.	CVB	4-21-10

**2009-2010 SITEWORK CONTRACT**  
**PNE SCRAP METAL FACILITY**  
 RIVERSIDE STREET  
 PORTLAND, MAINE  
 PREPARED FOR:  
 PROLERIZED NEW ENGLAND CO. LLC  
 MAILING ADDRESS: 80 RIVER STREET EVERETT, MA 02149

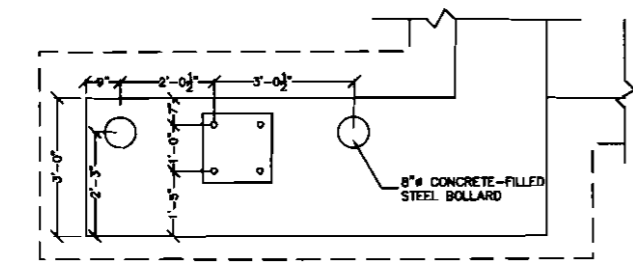
**CIVIL CONSULTANTS**  
 DRAWN: JAA | CALC: CVB  
 DATE: 2 APRIL 2010  
 CHECKED:  
 APPROVED:  
 SCALE: 1" = 20'  
 SHEET TITLE:  
 • GRADING PLAN

SHEET NUMBER:  
**C4**  
 SHEET 4 of 8  
 PROJECT # 06-769.00

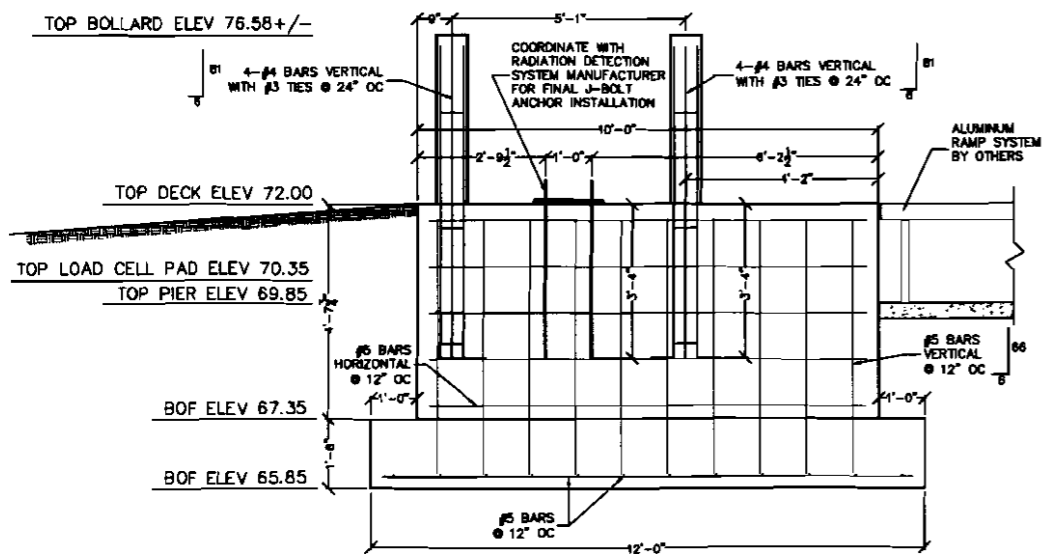
CONTRACTOR TO VERIFY ALL DIMENSIONS - CONTRACTOR TO WORK FROM APPROVED SHOP DRAWINGS



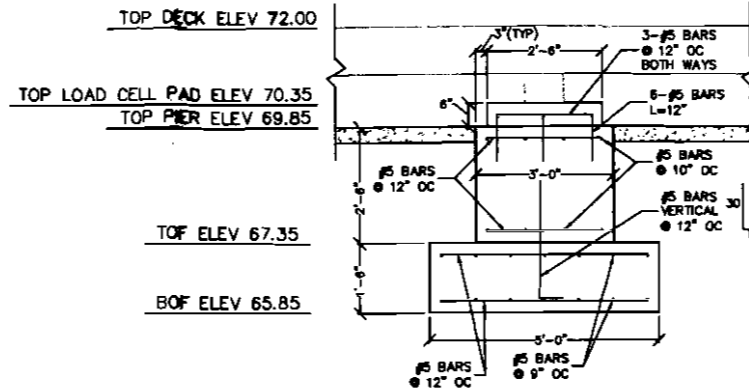
**1** APPROACH SECTIONS  
**F2** REINFORCEMENT DETAIL  
 SCALE: 1/2"=1'-0"



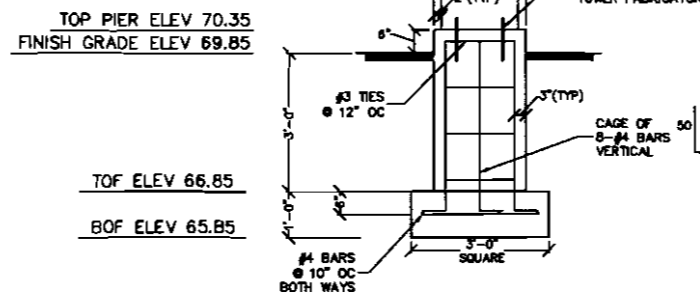
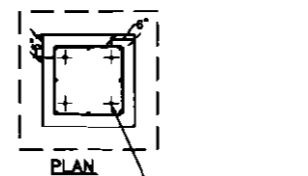
**ANCHOR LAYOUT**  
 \*FINAL LAYOUT TO BE CONFIRMED BY RADIATION DETECTION SYSTEM MANF.



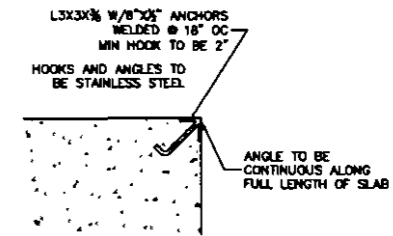
**3** RADIATION DETECTION SYSTEM  
**F2** SUPPORT PIER REINFORCEMENT DETAIL  
 SCALE: 1/2"=1'-0"



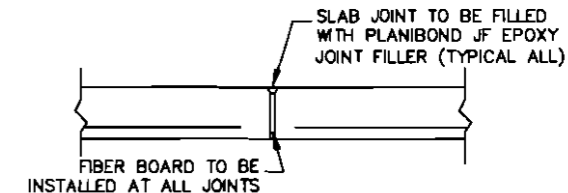
**2** INTERMEDIATE PIER  
**F2** REINFORCEMENT DETAIL  
 SCALE: 1/2"=1'-0"



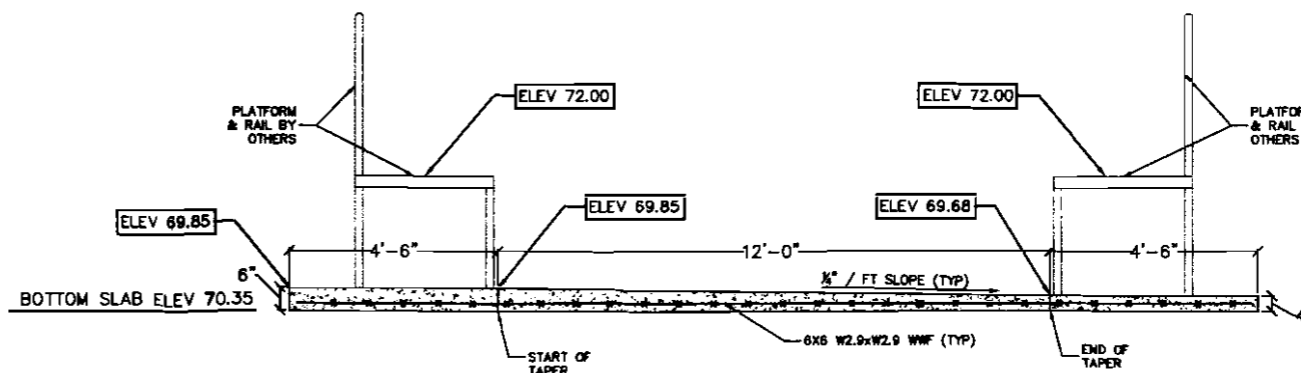
**5** LIGHT TOWER FOUNDATION  
**F2** REINFORCEMENT DETAIL  
 SCALE: 1/2"=1'-0"



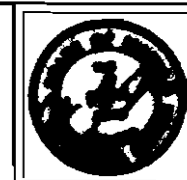
**BULKHEAD DETAIL**  
 NOT TO SCALE  
 \*TYPICAL AT LINES A, B, E & F



**SLAB JOINT DETAIL**  
 NOT TO SCALE  
 TYPICAL AT ALL SLAB/SLAB AND SLAB/PIER JOINTS



**4** CLEANOUT SLAB DETAIL  
**F2** SCALE: 1/2"=1'-0"



**CIVIL CONSULTANTS**  
 Engineers  
 Planners  
 Surveyors  
 P.O. Box 100  
 South Berwick  
 Maine  
 03008  
 207-894-2600  
 c/cvcon@c/cvcon.com

NO.	REVISIONS	DATE
2	ADDED LIGHT TOWER FOUNDATION PER SITE PLAN	4/28/10
1	REVISED ELEVATIONS PER SITE PLAN	4/21/10

**VEHICLE SCALE FOUNDATION PLAN**  
 PNE SCRAP METAL FACILITY  
 RIVERSIDE STREET  
 PORTLAND, MAINE  
 PREPARED FOR:  
 PROLERIZED NEW ENGLAND CO, LLC  
 MAILING ADDRESS: 68 ROYER STREET, ENDRETT, MA 02749

**CIVIL CONSULTANTS**  
 NOTEBOOK: N/A  
 DRAWN NJR DALLC NJR  
 DATE 4/16/10  
 APPROVED GRA  
 SCALE AS NOTED  
 SHEET TITLE:  
 \* FOUNDATION DETAILS

SHEET NUMBER:  
**F2**  
 SHEET 2 OF 2  
 PROJECT #  
 06-769.50