

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

BUILDING PERMIT

Permit Number: 090744

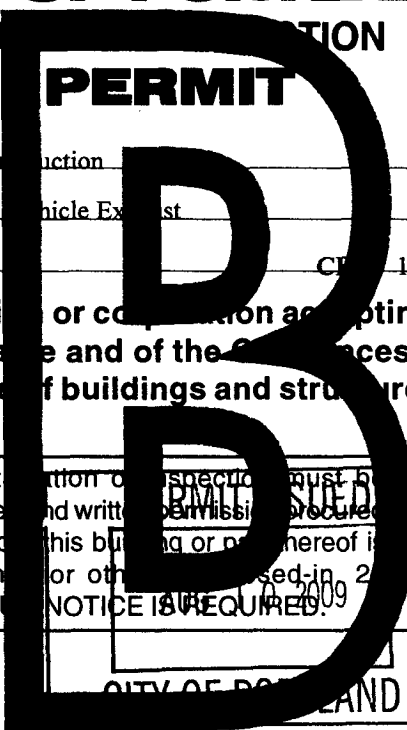
Please Read Application And Notes, If Any, Attached

This is to certify that State Of Maine/HardyPond Construction

has permission to Install 15 Ton Crane System & Vehicle Exhaust

AT 760 Stevens Ave CD# 145 B018001

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.

Notation of inspection must be given and written permission procured before this building or part thereof is lath or other work is used in 2 HO 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. Southes

Health Dept. _____

Appeal Board _____

Other _____

Department Name

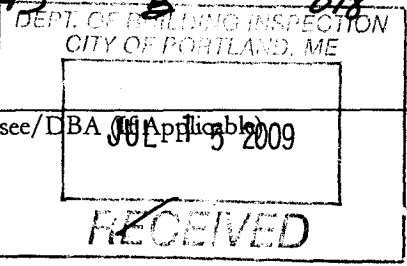
Christopher M. [Signature]
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD



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>STEVEN AVE. ARMORY</u>		
Total Square Footage of Proposed Structure/Area		Square Footage of Lot
Tax Assessor's Chart, Block & Lot Chart# <u>145</u> Block# <u>B</u> Lot# <u>018</u>	Applicant * <u>must be owner, Lessee or Buyer*</u> Name <u>MAINE NATIONAL GUARD</u>	Telephone: <u>626-7848</u>
	Address <u>BLDG B, CAMP KEYS</u> <u>194 WINTHROP ST</u> City, State & Zip <u>AUGUSTA, ME 04333-0033</u>	
Lessee/DBA <u>Not Applicable</u> <u>3 2009</u>	Owner (if different from Applicant) Name Address City, State & Zip	Cost Of Work: \$ <u>124,000</u> C of O Fee: \$ _____ Total Fee: \$ _____
Current legal use (i.e. single family) <u>ARMORY</u>		
If vacant, what was the previous use? <u>-</u>		
Proposed Specific use: <u>SAME</u>		
Is property part of a subdivision? <u>NO</u> If yes, please name <u>-</u>		
Project description: <u>INSTALLATION 15 TON CRANE SYSTEM & VEHICLE EXHAUST SYSTEM</u>		
Contractor's name: <u>HARDY POND CONSTRUCTION</u>		
Address: <u>7 TBB DRIVE</u>		
City, State & Zip <u>PORTLAND, ME 04103</u>		Telephone: <u>797-6066</u>
Who should we contact when the permit is ready: <u>BOB GAUDREAU</u>		Telephone: <u>"</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, or stop by the Inspections Division office, room 315 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] Date: 7/14/09

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

09-0744

City of Portland, Maine - Building or Use Permit Application

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

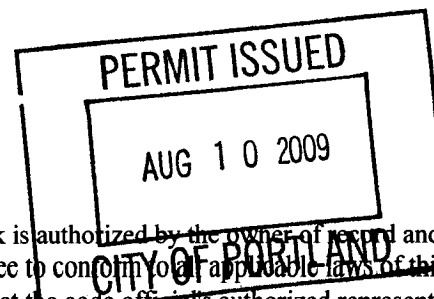
Permit No: 09-0744	Issue Date: 7/27/09	CBL: 145 B018001
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Location of Construction: 760 Stevens Ave	Owner Name: State Of Maine	Owner Address:	Phone: 207-626-7848
Business Name:	Contractor Name: HardyPond Construction	Contractor Address: 1039 Riverside St Suite 11 Portland	Phone: 2077976066
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	Zone: R-5

Past Use: Stevens Avenue Armory	Proposed Use: Stevens Avenue Armory - Install 15 Ton Crane System & Vehicle Exhaust	Permit Fee: \$1,260.00	Cost of Work: \$124,000.00	CEO District: 5
Proposed Project Description: Install 15 Ton Crane System & Vehicle Exhaust		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied *See Conditions	INSPECTION: Use Group: A3 Type: III B IBC-2003	
		Signature: (KG)	Signature: CL 7/27/09	
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)				
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied				
Signature: _____ Date: _____				

Permit Taken By: tmm	Date Applied For: 07/15/2009	Zoning Approval
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<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: 7/17/09 ABU	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <input checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: ABU
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CERTIFICATION

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

SIGNATURE OF APPLICANT _____ ADDRESS _____ DATE _____ PHONE _____

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE _____ DATE _____ PHONE _____

BUILDING PERMIT INSPECTION PROCEDURES

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

to schedule your inspections as agreed upon
Permits expire in 6 months, if the project is not started or ceases for 6 months.

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

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

A Pre-construction Meeting will take place upon receipt of your building permit.

Re-Bar Schedule Inspection: Prior to pouring concrete

Final inspection required at completion of work.

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

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

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

Signature of Applicant/Designee

Date

Signature of Inspections Official

Date

City of Portland, Maine - Building or Use Permit

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

Permit No: 09-0744	Date Applied For: 07/15/2009	CBL: 145 B018001
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Location of Construction: 760 Stevens Ave	Owner Name: State Of Maine	Owner Address:	Phone: 207-626-7848
Business Name:	Contractor Name: HardyPond Construction	Contractor Address: 1039 Riverside St Suite 11 Portland	Phone (207) 797-6066
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Commercial	

Proposed Use: Stevens Avenue Armory - Install 15 Ton Crane System & Vehicle Exhaust	Proposed Project Description: Install 15 Ton Crane System & Vehicle Exhaust
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Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Ann Machado **Approval Date:** 07/17/2009

Note: **Ok to Issue:**

- 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:** Chris Hanson **Approval Date:** 07/27/2009

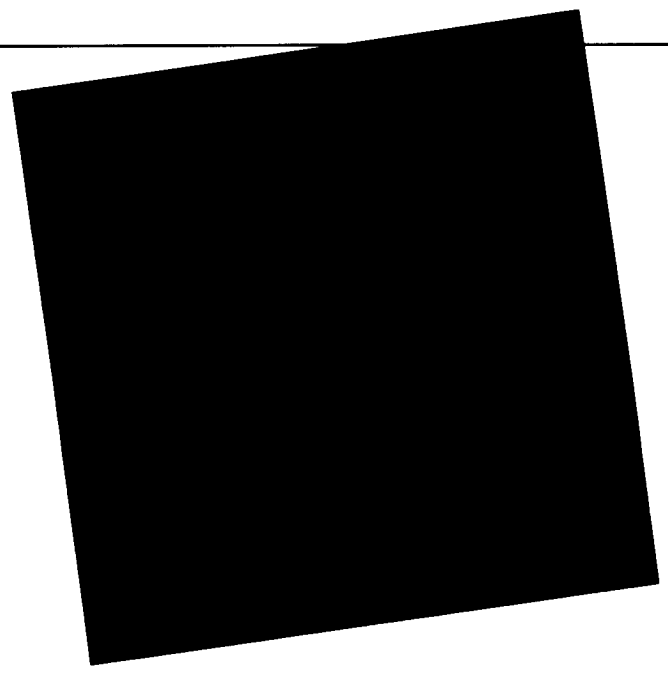
Note: **Ok to Issue:**

- 1) At the completion of the work, a licensed engineer is required to sign off on the installation and that the structure is fit for occupation by the public.
- 2) Equipment must be installed in compliance per the manufacturer's specifications
- 3) An inspection of the installation of the steel and concrete and structural bracing shall be conducted by a licensed engineer and his/her certification shall be submitted to this office stating compliance with the approved plans.
- 4) Separate permits are required for any electrical, plumbing, sprinkler, fire alarm or HVAC or exhaust systems. Separate plans may need to be submitted for approval as a part of this process.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Capt Keith Gautreau **Approval Date:** 07/22/2009

Note: **Ok to Issue:**

- 1) Install shall comply with all manufacture's specifications.
- 2) No means of egress shall be affected by this renovation



07/08/2009 12:11 Hardypond Construction

(FAX)2077978986

P.006/022



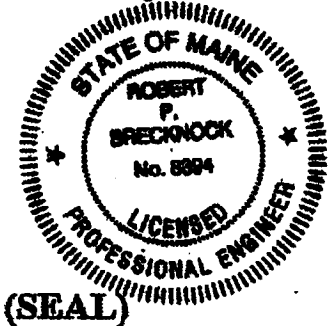
Certificate of Design

Date: July 7, 2009

From: Bob Brecknock, SWC Engineering for Mass Crane and Hoist

These plans and / or specifications covering construction work on:
15 Ton Floor Supported Bridge Crane and Support Structure for
the Portland Armory FMS#1 Work Bay Project

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



Signature: Bob Brecknock
Title: President
Firm: SW & C Engineering, P.A.
Address: 857 Wellington Road
Manchester, NH 03104
Phone: 603 645 1392

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov



Certificate of Design

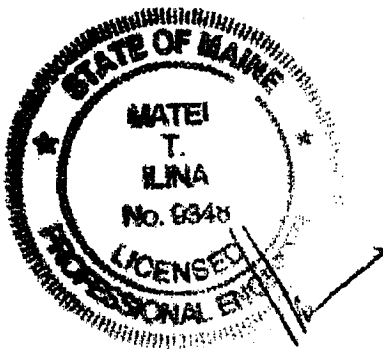
Date: 07/07/09

From: MATEI ILINA, P.E.

These plans and / or specifications covering construction work on:

MECHANICAL / ELECTRICAL DRAWINGS AND
SPECIFICATIONS FOR -MEARNG - FMS #1 CRANE
INSTALLATION

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



Signature: 

Title: MECHANICAL ENGINEER

Firm: ILINA ENG., P.A.

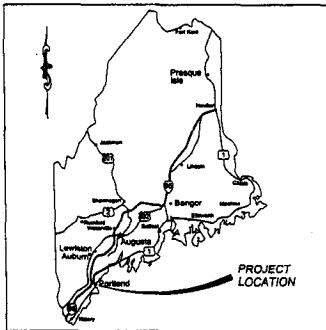
Address: 61 MAIN STREET, SUITE #58
BANGOR, ME 04401

Phone: (207) 992-9181

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov

INSTALL NEW 15 TON CRANE AND NEW VEHICLE EXHAUST SYSTEM FMS #1/STEVENS AVENUE ARMORY PORTLAND, MAINE

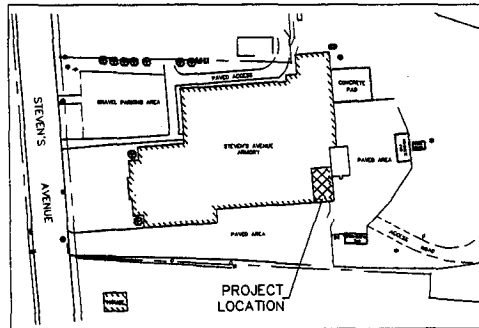
Directorate of Facilities Engineering
Project No. 23SRC09-315



VICINITY MAP
NOT TO SCALE

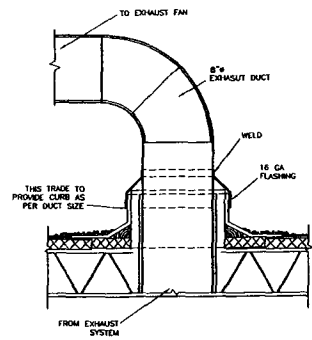
DRAWINGS:

- C1 = COVER SHEET
- S1 = 15 TON FLOOR SUPPORTED BRIDGE CRANE AND SUPPORTED STRUCTURE
- M1 = MECHANICAL MAINTENANCE BAY LAYOUT
- M2 = MECHANICAL ROOF LAYOUT
- E1 = ELECTRICAL DEMOLITION PLAN
- E2 = ELECTRICAL INSTALLATION PLAN

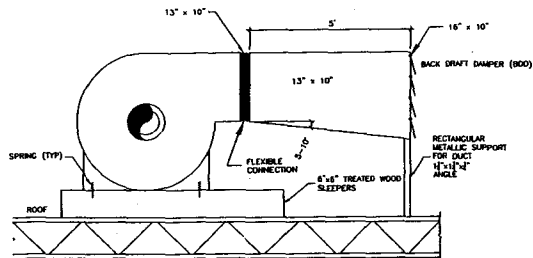


SITE LOCATION
NOT TO SCALE

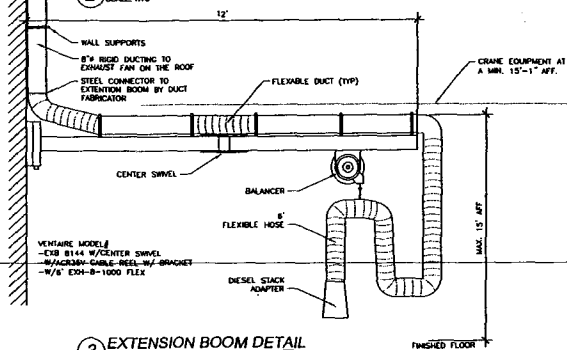
STATE OF MAINE	
MILITARY DESIGN - MAINE NATIONAL GUARD	
DESIGNED BY FACILITIES ENGINEERING	
DRAWING REV TO THIS CRANE	
PAGE #1	
PROJECT NO. 23SRC09-315	
DATE: 11/10/09	
DRAWN BY: J. J. J.	
CHECKED BY: J. J. J.	
APPROVED BY: J. J. J.	



1 ROOF PENETRATION DETAIL
SCALE: NTS



2 EF-1 & EF-2 INSTALLATION DETAIL
SCALE: NTS

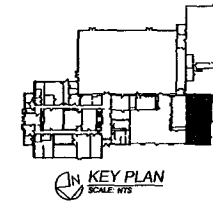


3 EXTENSION BOOM DETAIL
SCALE: NTS

FAN SCHEDULE												
TAG	MANUFACTURER	MODEL	TYPE	LOCATION	CFM	SP. (IN. W.G.)	RPM	HP	V. (FPI) RPM	DRIVE TYPE	INC.	NOTES
EF-1	LORAIN CODE	120 CPS-2	CENTRIF	SERVICE BAY	1400	5.00	3438	2.0	2008	1	BD	0-0-0-0-0-0
EF-2	LORAIN CODE	120 CPS-2	CENTRIF	SERVICE BAY	1400	5.00	3438	2.0	2008	1	BD	0-0-0-0-0-0

1. SUPPLY WITH SPRINGS, MODEL 37-120
 2. INTERLOCKING WITH MAKE UP AIR DAMPER
 3. SUPPLY WITH BACK DRAFT DAMPER
 4. SUPPLY WITH PREMIUM EFFICIENCY MOTOR
 5. SUPPLY WITH STEEL DRAIN
 6. SUPPLY WITH MOTOR STARTER, THERMAL OVERLOADS AND DISCONNECT WALL MOUNTED

3 NEW INSTALLATION ROOF PLAN
SCALE: 1/4" = 1'-0"



MEARING
FMS#1 CRANE
INSTALLATION
PROJECT #: 230308-010
PORTLAND, MAINE



ilina engineering PA
DESIGN FOR A BETTER LIFE
61 MAIN STREET, SUITE 30
BANGOR, MAINE 04401
OFFICE: (207) 992-8181
FAX: (207) 992-8181
www.ilinaeng.com

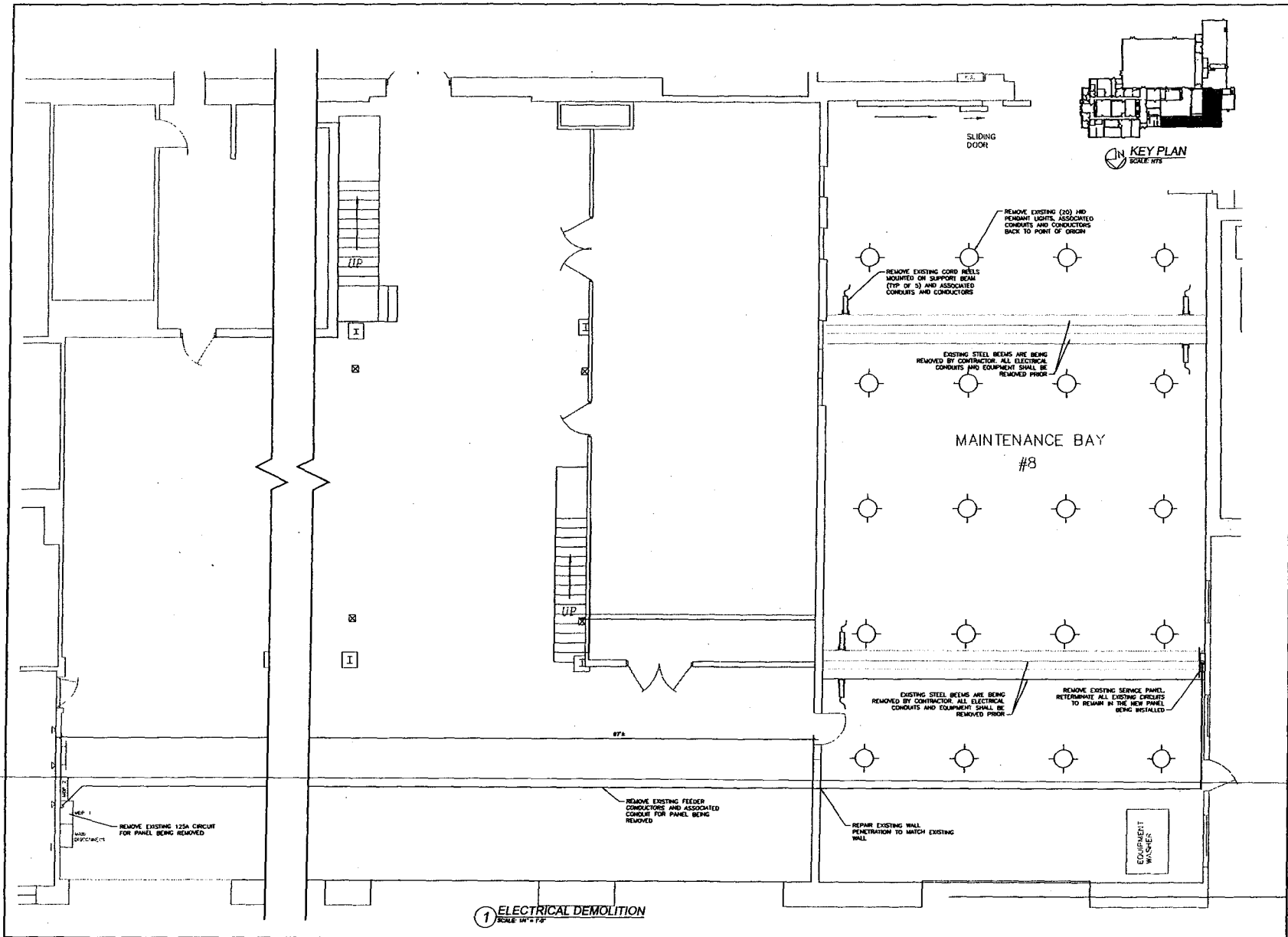
BCG
Buck Consulting Group, LLC
Architecture, Engineering & Planning
16 Tenney Lane, Suite 37
P.O. Box 507
Concord, Maine 04401
Office: (207) 246-9979
Residence: (207) 246-9979

MECHANICAL
ROOF LAYOUT

No.	Revision/Issue	Date

Drawn by: MTR
Checked by: MTR
Scale: MAC
Approved by: _____
Project: _____
Date: 04/24/09

M2



MEARNG
FMS#1 CRANE
INSTALLATION
PROJECT # 225C08-315
PORTLAND, MAINE



ilina engineering PA
ARCHITECT & ELECTRICAL ENGINEER
61 MAHON STREET, SUITE 20
BANGOR, MAINE 04401
OFFICE: (207) 992-8181
FAX: (207) 992-8181
ilina@ilinaeng.com

BCG Birch Consulting Group, LLC
ARCHITECTURE, ENGINEERING & PLANNING
87 TRENTON LANE, SUITE 317
PORTLAND, MAINE 04106
OFFICE: (207) 758-9999
FAX: (207) 758-9971
birch@bcg.com

ELECTRICAL DEMOLITION PLAN

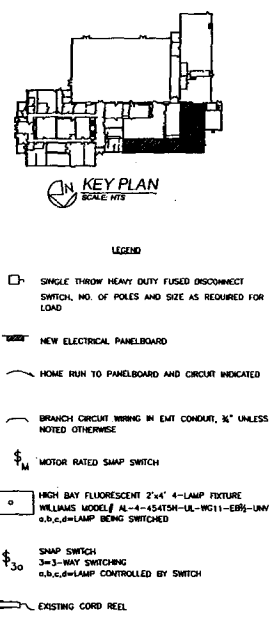
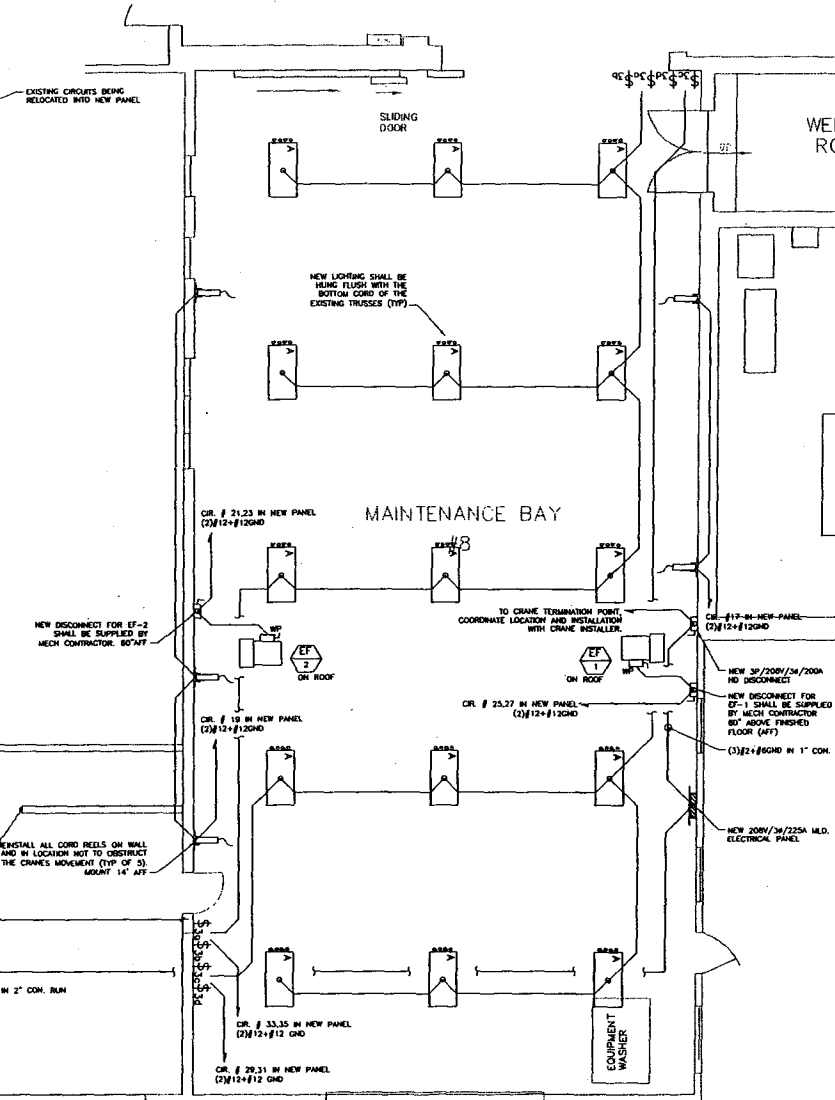
No.	Revision/Issue	Date

Design by: RR	Checked by: MJI
Drawn by: RR	Approved by:
Project:	Date: 04/24/08

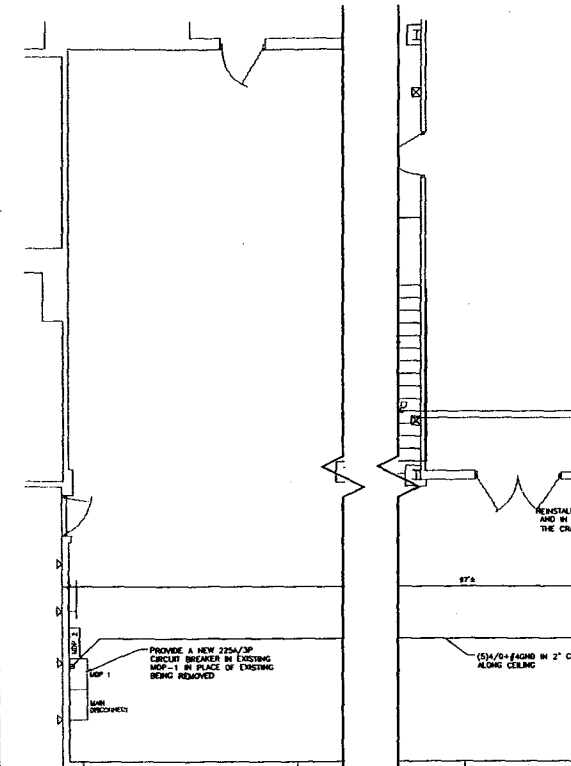
E1

NEW MAINTENANCE BAY PANEL

CIRCUIT #	DESCRIPTION	VOLS	PHASE LOAD			CIRCUIT RATING	MOUNTING HEIGHT	NOTES
			A	B	C			
1	CORD REEL	120				20	22'	
2	CORD REEL	120				20	22'	
3	CORD REEL	120				20	22'	
4	CORD REEL	120				20	22'	
5	CORD REEL	120				20	22'	
6	CORD REEL	120				20	22'	
7	CORD REEL	120				20	22'	
8	CORD REEL	120				20	22'	
9	CORD REEL	120				20	22'	
10	CORD REEL	120				20	22'	
11	CORD REEL	120				20	22'	
12	CORD REEL	120				20	22'	
13	CORD REEL	120				20	22'	
14	CORD REEL	120				20	22'	
15	CORD REEL	120				20	22'	
16	CORD REEL	120				20	22'	
17	CORD REEL	120				20	22'	
18	CORD REEL	120				20	22'	
19	CORD REEL	120				20	22'	
20	CRANE	240				20	22'	
21	SPARE	240				20	22'	
22	EF-2	120				20	22'	
23	SPARE	120				20	22'	
24	EF-1	120				20	22'	
25	SPARE	120				20	22'	
26	MAINTENANCE BAY LVS	240				20	22'	
27	MAINTENANCE BAY LVS	240				20	22'	
28	SPARE	240				20	22'	
29	MAINTENANCE BAY LVS	240				20	22'	
30	SPARE	240				20	22'	
31	SPARE	240				20	22'	
32	SPARE	240				20	22'	
33	SPARE	240				20	22'	
34	SPARE	240				20	22'	
35	SPARE	240				20	22'	
36	SPARE	240				20	22'	
37	SPARE	240				20	22'	
38	SPARE	240				20	22'	
39	SPARE	240				20	22'	
40	SPARE	240				20	22'	
41	SPARE	240				20	22'	
TOTAL PHASE LOAD			411	-	-			
TOTAL LOAD			-	-	-	200		200



- GENERAL NOTES**
1. EACH CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
 2. ALL CONDUIT IS SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD AND SHALL BE APPROVED BY THE OWNER OR HIS REPRESENTATIVE.
 3. IT IS THE INTENT OF THESE DRAWINGS TO SHOW COMPLETE AND FUNCTIONAL SYSTEMS THAT ARE IN COMPLIANCE WITH ALL INDUSTRY STANDARDS AND APPLICABLE CODES. IF DISCREPANCIES ARE NOTED, NOTIFY THE OWNER OR HIS REPRESENTATIVE.
 4. ALL ITEMS NOT SHOWN ON THE DRAWING, OR CALLED FOR IN THE NOTES BUT WHICH ARE NECESSARY TO MAKE A COMPLETE ELECTRICAL INSTALLATION SHALL BE FURNISHED AND INSTALLED.
 5. THE INSTALLATION OF THE CRANE AND ITS ELECTRICAL COMPONENTS SHALL COMPLY WITH ARTICLE 610 OF THE NATIONAL ELECTRICAL CODE.
 6. ALL DIMENSIONS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
 7. ALL INSTALLATIONS SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS, INDUSTRY STANDARDS AND CURRENT CODES. IF DISCREPANCIES ARE NOTED, NOTIFY THE OWNER OR HIS REPRESENTATIVE.
 8. WHERE CONDUITS OR CABLES PENETRATE WALLS, FLOORS, OR PARTITIONS, A SLEEVE SHALL BE INSTALLED AND THE SPACE BETWEEN THE STRUCTURE AND THE CONDUIT OR CABLE SHALL BE SEALED AIRTIGHT WITH AN APPROVED MATERIAL.
 9. COORDINATE ALL CABLE, WALL AND FLOOR PENETRATIONS WITH OTHER TRADES.
 10. ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL TRADES BEFORE ANY INSTALLATION.
 11. ALL ELECTRICAL WORK SHALL BE COORDINATED WITH CRANE INSTALLATION. WORK OF THE ELECTRICAL TRADE SHALL INTERFERE OR BLOCK CRANE OPERATIONS.



**MEARNG
FMS#1 CRANE
INSTALLATION**
PROJECT # 236009-315
PORTLAND, MAINE

ilina engineering PA
BEGIN FOR A BETTER LIFE

iLine Consulting Group, LLC
41 MAHAR STREET, SUITE 28
BAKERS FALLS, MAINE 04401
OFFICE: 207.895.8111
FAX: 207.895.8111
ilinaengineering.com

BCG

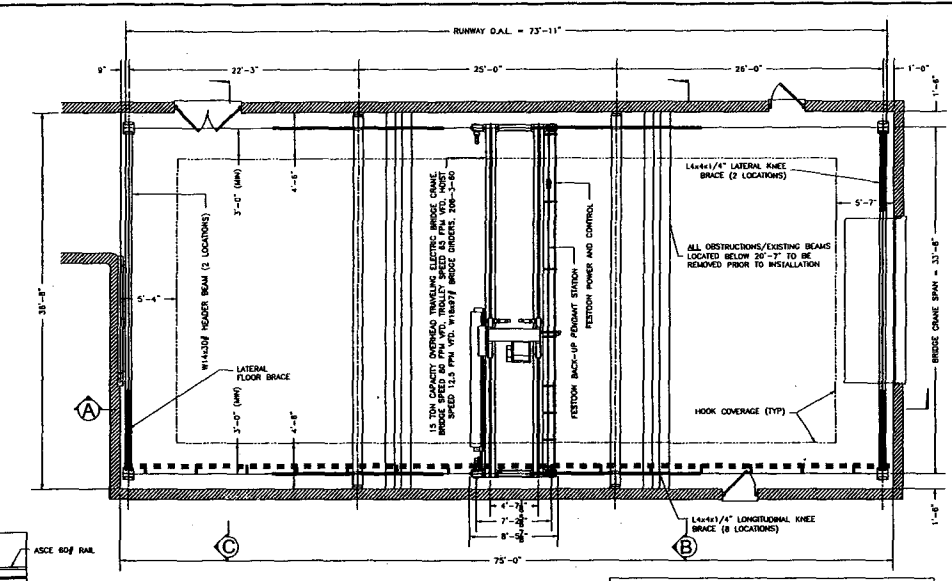
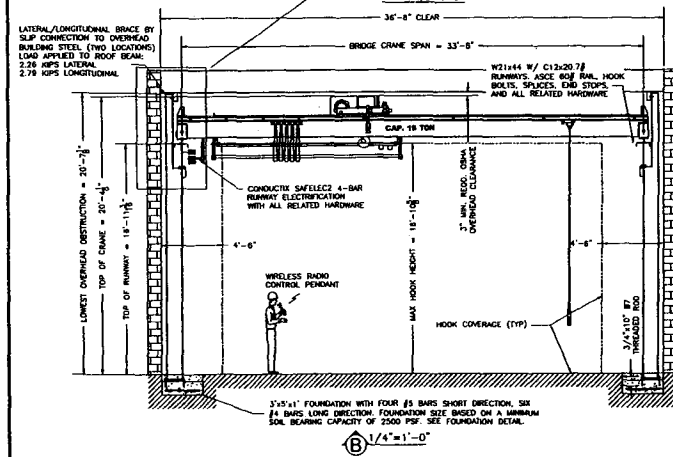
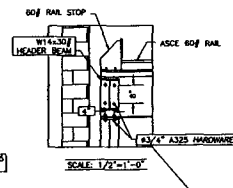
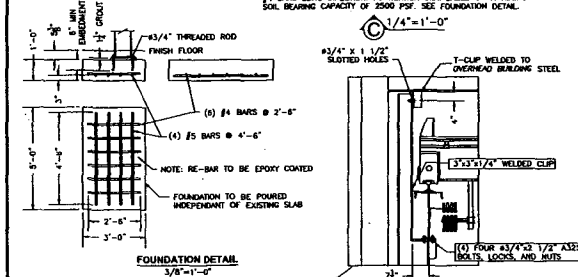
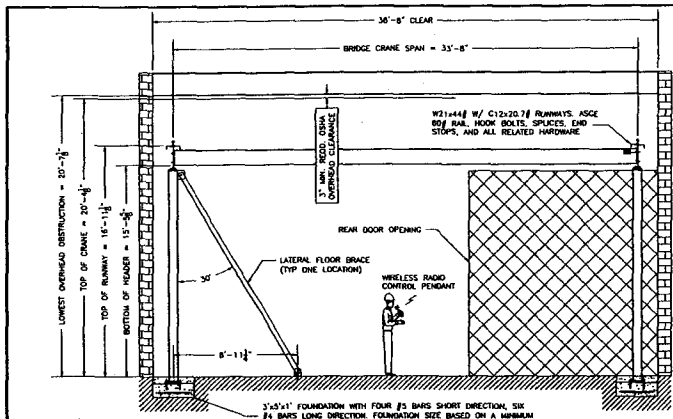
**ELECTRICAL
INSTALLATION
PLAN**

No.	Revision/Issue	Date

Drawn by: RR	Checked by: MT
Approved by: RR	
Project: 236009-315	Date: 04/24/09

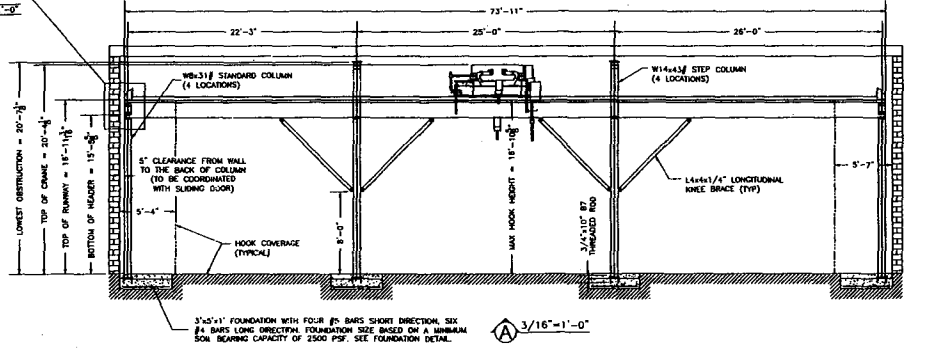
E2

2 NEW ELECTRICAL LAYOUT
SCALE: 1/2" = 1'-0"



MAX CRANE LOADING:

VERTICAL	= 31.31 KIPS (AT COLUMN)
LATERAL	= 2.26 KIPS (AT EL. 20'-7")
LONGITUDINAL	= 2.79 KIPS (AT EL. 20'-7")



TECHNICAL DATA

LOAD	15 TON	WEIGHT OF BRIDGE	8,540 LBS.
SPAN	33'-8"	CRANE GROUP	CMAA "C"
MAX HOOK HEIGHT	16'-10 5/8" (+/-)	NOMINAL CRANE CURRENT	61.9 AMPS
HOIST SPEED	12.5 FPM VFD	MAXIMUM CRANE CURRENT	106.1 AMPS
TROLLEY SPEED	65/16 FPM VFD	POWER	208/3/60
BRIDGE SPEED	80/5 FPM VFD	CONTROL	115/1/60
WEIGHT OF TROLLEY	1,570 LBS.		

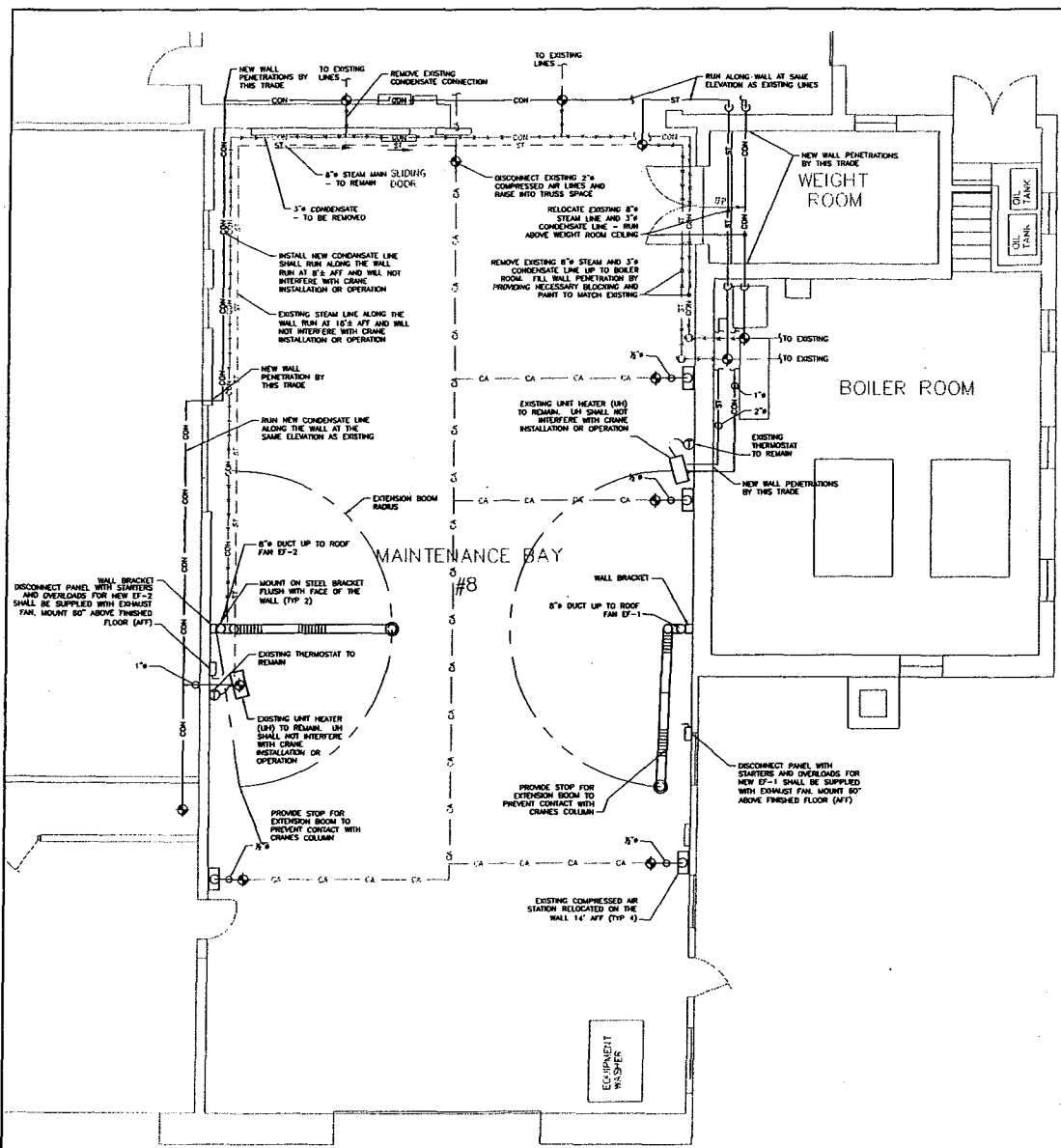


NO.	REVISION	DATE	DRAWN BY
1	ADDED BEAM SIZES	3/18/09	CMD
2	MADE CHANGES PER CUST.	4/2/09	CMD
3	MADE CHANGES PER CUST.	4/27/09	CMD

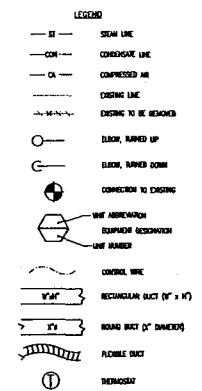
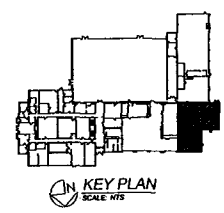
PROJECT: 15 Ton Floor Supported Bridge Crane and Support Structure
 Portland Armory FMS#1 Work Bay Project

DATE:	27 April 2009
DRAWN BY:	CMD
DESIGNED BY:	GAF
CHECKED BY:	MAC
SCALE:	AS NOTED
JOB NUMBER:	

DRAWING NUMBER
S1
 SHEET 1 OF 1



- GENERAL NOTES**
- EACH CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.
 - ALL PIPING AND DUCTWORK IS SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD AND SHALL BE APPROVED BY THE OWNER OR HIS REPRESENTATIVE.
 - IT IS THE INTENT OF THESE DRAWINGS TO SHOW COMPLETE AND FUNCTIONAL SYSTEMS THAT ARE IN COMPLIANCE WITH ALL INDUSTRY STANDARDS AND APPLICABLE CODES. IF DISCREPANCIES ARE NOTED, NOTIFY THE OWNER OR HIS REPRESENTATIVE.
 - ALL DIMENSIONS ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
 - ALL INSTALLATIONS SHALL CONFORM TO MANUFACTURER'S INSTRUCTIONS, INDUSTRY STANDARDS, AND CURRENT CODES. IF DISCREPANCIES ARE NOTED, NOTIFY THE OWNER OR HIS REPRESENTATIVE.
 - WHERE POSSIBLE A MINIMUM SPACE OF 12 INCHES SHALL BE MAINTAINED BETWEEN THE FINISHED CEILING AND THE BOTTOM OF DUCT OR PIPING.
 - WHERE DUCTS OR PIPES PENETRATE WALLS, FLOORS, OR PARTITIONS, A SLEEVE SHALL BE INSTALLED AND THE SPACE BETWEEN THE STRUCTURE AND THE PIPE OR DUCT SHALL BE SEALED AIRTIGHT WITH AN APPROVED MATERIAL.
 - COORDINATE ALL CEILING, WALL AND FLOOR PENETRATIONS WITH OPENINGS SHOWN ON STRUCTURAL DRAWINGS.
 - ALL WORK UNDER THIS SECTION SHALL BE COORDINATED WITH ALL TRADES BEFORE ANY INSTALLATION.
 - ALL SUPPLEMENTAL STEEL CONNECTIONS TO THE MAIN STRUCTURE FOR SUPPORT OF HVAC EQUIPMENT SHALL BE BY THE HVAC CONTRACTOR.
 - ALL PENETRATIONS THAT ALTER THE STRUCTURE SHALL BE APPROVED BY THE STRUCTURAL ENGINEER.
 - ALL EXPOSED EQUIPMENT SHALL HAVE COLORS SELECTED BY THE OWNER OR HIS REPRESENTATIVE UNLESS NOTED OTHERWISE.
 - EXACT ELEVATIONS FOR SIDE WALL EXTENSION ROOM AREA SHALL BE APPROVED BY THE OWNER OR HIS REPRESENTATIVE BEFORE INSTALLATION.
- NEW INSTALLATION NOTES**
- RELOCATE STEAM/CONDENSATE LINES AS SHOWN ON DRAWINGS. NEW PIPING AND PIPING THERMAL INSULATION SHALL MATCH EXISTING. NEW PIPING SHALL BE SUPPORTED TO WALL AS EXISTING. PAINT ALL NEW SUPPORTS TO MATCH EXISTING WALL COLOR.
 - RELOCATE EXISTING COMPRESSED AIR PIPING AND RELOCATE COMPRESSED AIR STATIONS TO THE BAY WALLS. EXISTING COMPRESSED AIR PIPING TO THE NEW AIR STATION LOCATION. NEW PIPING SHALL BE SUPPORTED TO WALL AS EXISTING. PAINT ALL NEW SUPPORTS TO MATCH EXISTING WALL COLOR.
 - THIS TRADE IS RESPONSIBLE FOR ALL NEW WALL PENETRATIONS FOR PIPING RELOCATION.
 - THIS TRADE IS RESPONSIBLE FOR FILLING ALL HOLES IN EXISTING WALL WHERE PIPES ARE BEING REMOVED. PROVIDE NECESSARY BLOCKING AND PAINT TO MATCH EXISTING.
 - INSTALL NEW FLAME HOSE EXTENSION ROOMS AS SHOWN ON THE DRAWINGS. EXTENSION ROOMS SHALL BE INSTALLED ON THE BAY WALLS. PAINT ALL NEW WALL SUPPORTS TO MATCH EXISTING WALL COLOR.
 - INSTALL ELECTRICAL BOX AND SWITCH FOR EXHAUST FANS ON THE WALLS AS SHOWN ON THE DRAWINGS. SWITCH SHALL BE INSTALLED AT 80" ABOVE FINISHED FLOOR.
 - INSTALL NEW FLAME EXHAUST FAN ON THE ROOF AS SHOWN ON DRAWINGS. EXHAUST FAN INSTALLATION SHALL BE COORDINATED WITH STRUCTURAL TRADE.
 - THIS TRADE IS RESPONSIBLE TO PROVIDE ROOF PENETRATIONS AND ROOF FLASHING FOR NEW 8" DUCT IN THE ROOF.
 - THIS TRADE IS RESPONSIBLE FOR ROOFTOP EQUIPMENT INSTALLATION AND SHALL BE RESPONSIBLE FOR ALL REQUIRED ROOF FLASHING AND PATCHING TO MAINTAIN A LEAK FREE SYSTEM.
 - EXHAUST FLAME BOOM LOCATION AND INSTALLATION SHALL NOT INTERFERE WITH CRANE INSTALLATION OR OPERATION.
 - ALL NEW CONDUITS AND SUPPORTS SHALL BE PAINTED TO MATCH EXISTING WALL COLOR.
 - ALL NEW DUCTWORK SHALL BE PAINTED TO MATCH EXISTING DUCTWORK OR WALL COLOR.



1 NEW INSTALLATION PLAN
SCALE 1/4" = 1'-0"

**MEARING
FMS#1 CRANE
INSTALLATION**
PROJECT # 23828-315
PORTLAND, MAINE



ilina engineering PA
RESUME FOR A BETTER LIFE
41 MAIN STREET, SUITE 20
SAUBOIS, MAINE 04095
OFFICE (207) 995-3131
FAX: (207) 995-3131
ilinaeng@ilinaeng.com



**MECHANICAL
MAINTENANCE BAY
LAYOUT**

No.	Revision/Issue	Date

Checked by MTI	Approved by MTI
Drawn by MAC	
Project M1	Date 04/24/09

M1



CITY OF PORTLAND, MAINE
Department of Building Inspections

Original Receipt

July 15 20 07

Received from

Hardy and Construction

Location of Work

760 Stevens (Armory)

Cost of Construction

\$ 124,000⁰⁰

Building Fee: _____

Permit Fee

\$ _____

Site Fee: _____

Certificate of Occupancy Fee: _____

Total: 1260.00

Building (IL)

Plumbing (IS) _____

Electrical (I2) _____

Site Plan (U2) _____

Other _____

CBL: 1415-B-018

Check #: 4362

Total Collected \$ 1260⁰⁰

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

Taken by: LMD

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