Form # P-04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Permit Number: 090826

PERMIT ISSUED

AUG 20 2009

CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

This is to certify that City Of Portland/City of Portland Trades

has permission to Renovations, tenant improvements

AT 6 Portland Fish Pier CBL 041 A001001

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 lathed or otherwise closed-in. 24 HOUR 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. K. Fairbrother

Health Dept. _____

Appeal Board _____

Other _____

Department Name

Director - Building & Inspection Services

8/20/09

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit

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

Permit No:	Date Applied For:	CBL:
09-0826	08/05/2009	041 A001001

Location of Construction:	Owner Name:	Owner Address:	Phone:
1 Portland Fish Pier	City Of Portland	389 Congress St	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	City of Portland /Trades Division	389 Congress Street Portland	(207) 874-8300
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Alterations - Commercial	

Proposed Use:	Proposed Project Description:
Seafood Warehouse / Renovations, tenant improvements.	Renovations, tenant improvements.

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 08/06/2009

Note: **Ok to Issue:** ☑

1) The use of this building shall remain as fish processing/auction/warehouse activities. This permit is not authorizing any change of use. Separate permits shall be required for any proposed use change PRIOR to its change.
2) Separate permits shall be required for any new signage.
3) 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:** 08/20/2009

Note: **Ok to Issue:** ☑

1) Permit approved based on the plans submitted and reviewed w/owner/contractor, with additional information as agreed on and as noted on plans.
2) Your guardrail system installed around your deck must meet the loading requirements of section 1607.7.1 of the IBC 2003 Building Code.
3) 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:** 08/12/2009

Note: **Ok to Issue:** ☑

1) Fire Alarm system shall be maintained.
   If system is to be off line over 4 hours a fire watch shall be in place.
   Dispatch notification required 874-8576.
2) All means of egress to remain accessible at all times
3) Emergancy lights and exit signs are required
4) All construction shall comply with NFPA 101

Comments:

8/6/2009-gg: Permit waived per Penny Littell. /gg
Waiting to speak with Bob Leeman for contractor information. /gg

8/6/2009-gg: Bob Leeman @ 874-8892 is the direct contact for the City of Portland. /gg

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.

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

__X__ **Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling**

__X__ **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: 8/20/05

Signature of Inspections Official — Date: 8/20/09

CBL: 041 A001001 **Building Permit #:** 09-0826

City of Portland, Maine - Building or Use Permit Application

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

Permit No:	Issue Date:	CBL:
09-0826	8/20/09	041 A001001

Location of Construction:	Owner Name:	Owner Address:	Phone:
Portland Fish Pier	City Of Portland	389 Congress St	
Business Name:	**Contractor Name:** Bob Leeman	**Contractor Address:**	**Phone**
	City of Portland /Trades Division	389 Congress Street Portland	2078748300
Lessee/Buyer's Name	**Phone:**	**Permit Type:** Alterations - Commercial	**Zone:** WCZ

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
Commercial / Seafood Warehouse	Seafood Warehouse / Renovations, tenant improvements.	$0.00	$0.00	1

FIRE DEPT: ☑ Approved ☐ Denied
* See Conditions
Signature: KG

INSPECTION:
Use Group: I-1 Type: IIB
IBC-2003
Signature: CL

Proposed Project Description:
Renovations, tenant improvements.

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)
Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied
Signature: Date:

Permit Taken By:	Date Applied For:
gg	08/05/2009

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland within but exempt	☐ Variance	☑ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date: ok with Conditions 8/6/09	Date:	Date:

PERMIT ISSUED
AUG 20 2009
CITY OF PORTLAND

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

F09 0826

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: 6 PORTLAND FISH PIER		
Total Square Footage of Proposed Structure/Area	Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# 041 A 001	Applicant *must be owner, Lessee or Buyer* Name PORTLAND FISH EXCHANGE Address 6 PORTLAND FISH PIER City, State & Zip PORTLAND ME 04101	Telephone: 773.0017
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name COP Address City, State & Zip	Cost Of Work: $_____ C of O Fee: $_____ Total Fee: $ _____

Current legal use (i.e. single family) SEAFOOD WAREHOUSE / AUCTION FACILITY
If vacant, what was the previous use? _____
Proposed Specific use: _____
Is property part of a subdivision? _____ If yes, please name _____
Project description:
TENANT IMPROVEMENTS (SUBLEASE)

Contractor's name: Bob Seaman, City of Portland
Address: 389 Congress St
City, State & Zip Portland ME 04101 Telephone: 874-8300
Who should we contact when the permit is ready: Bob Seaman Telephone: 874-8892 2xx (cell)
Mailing address: _____

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: Bob Seaman Date: 8.4.09

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

From: Bob Leeman
To: Gayle Guertin
Date: 8/6/2009 10:05:39 AM
Subject: Re: 6 Portland Ffish Pier

Please list the City of Portland as the contractor, with me as the point of contact.

thanks
bob

>>> Gayle Guertin 9:41:46 AM 8/6/2009 >>>
Hi,

The inspections office received the application on 8/5/09 for 6 Portand Fish Pier. Who is the Contractor for the permit?

Thank You
Gayle @ x8701

CC: Gayle Guertin; Tammy Munson

Certificate of Design Application

From Designer: HKTA / ARCHITECTS INC

Date: 8/5/09

Job Name: PORTLAND FISH EXCHANGE (RENOVATIONS)

Address of Construction: 6 PORTLAND FISH PEIR

2003 International Building Code

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

Building Code & Year 2003 Use Group Classification (s) F-1

Type of Construction IIB

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2003 IRC NO

Is the Structure mixed use? NO If yes, separated or non separated or non separated (section 302.3) _____

Supervisory alarm System? YES Geotechnical/Soils report required? (See Section 1802.2) _____

Structural Design Calculations

NA Submitted for all structural members (106.1 – 106.11)

Design Loads on Construction Documents (1603)

Uniformly distributed floor live loads (7603.11, 1807)

Floor Area Use	Loads Shown

Wind loads (1603.1.4, 1609)

_____ Design option utilized (1609.1.1, 1609.6)

_____ Basic wind speed (1809.3)

_____ 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_{DS} & S_{D1} (1615.1)

_____ Site class (1615.1.5)

_____ 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

_____ 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_I and deflection amplification factor C_d (1617.6.2)

_____ Analysis procedure (1616.6, 1617.5)

_____ Design base shear (1617.4, 16175.5.1)

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

Certificate of Design

Date: 8/5/09

From: HKTA/ARCHITECTS, INC

These plans and / or specifications covering construction work on:

PORTLAND FISH EXCHANGE – RENOVATIONS

6 PORTLAND FISH PIER

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

REGISTERED ARCHITECT * ROBERT E. HOWE No. 1241 * STATE OF MAINE

(SEAL)

Signature: Robert E. Howe

Title: PRESIDENT

Firm: HKTA/ARCHITECTS

Address: 482 CONGRESS ST.
PORTLAND, ME 04101

Phone: 207-774-6014

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

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

Accessibility Building Code Certificate

Designer: HKTA / ARCHITECTS INC

Address of Project: 6 PORTLAND FISH PIER

Nature of Project: PORTLAND FISH EXCHANGE (RENOVATIONS)

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.

REGISTERED ARCHITECT * STATE OF MAINE *
ROBERT E. HOWE No. 1241
(SEAL)

Signature: Robert E. Howe

Title: PRESIDENT

Firm: HKTA / ARCHITECTS

Address: 482 CONGRESS STR.
PORTLAND, ME 04101

Phone: 207-774-6016

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CITY OF PORTLAND
DEPARTMENT OF PORTS AND TRANSPORTATION

CONTRACT DRAWINGS

BUILDING RENOVATIONS AT PORTLAND FISH EXCHANGE

YEAR APPROVED
2009

BID NUMBER: #310

100% PLANS
JULY 2009

SOURCE: USGS TOPOGRAPHICAL MAP

Robert Leeman *DATE*
MARITIME MANAGER

SOURCE: MAINE GIS WEBSITE: http://megis.maine.gov
CIRCA 2001

INDEX OF PLANS

ISSUED FOR CONSTRUCTION

GP Gorrill-Palmer Consulting Engineers, Inc.
PO Box 1237 *Engineering Excellence Since 1998*
15 Shukes Road
Gray, ME 04039
207-657-6910
Fax 207-657-6912
E-Mail mailbox@gorrillpalmer.com

REFERENCES:

LDD PROJECT NAME:	N/A
DRAWING NAME:	1343.49-Cover.dwg
FIELD BOOK USED:	N/A
ASSIGNED BY:	P. ORTHWEIN
DRAWN BY:	B. VAN DAAN
CHECKED BY:	M. HASKELL
SCALE:	AS NOTED
DATE:	07/30/2009

PORTLAND FISH EXCHANGE
COVER SHEET

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET # C-001
VAULT PLAN NUMBER VPLAN #

NOTES:

1. UTILITY PLAN PREPARED WITH LIMITED TOPOGRAPHIC AND SURVEY INFORMATION, WHICH MAY REQUIRE MODIFICATIONS AS ADDITIONAL INFORMATION IS OBTAINED. A PROPERTY BOUNDARY SURVEY WAS NOT COMPLETED FOR THIS PROJECT
2. EXISTING CONDITIONS PLAN PREPARED FROM AERIAL SURVEY DATA OBTAINED FROM CITY OF PORTLAND.
3. LOCATION OF EXISTING SEWER MANHOLE WITHIN PORTLAND FISH PIER OBTAINED FROM FIELD MEASUREMENTS (TIE LINES) TAKEN FROM CMP POLE NO.3 AND SOUTHWEST CORNER OF BRISTOL BUILDING.
4. FINISHED FLOOR ELEVATION (FFE) FOR PORTLAND FISH EXCHANGE WAS ASSUMED AT ELEVATION 100.00. EXISTING AND PROPOSED RIM/INVERT INFORMATION IS BASED ON THE ASSUMED FFE OF 100.00.
5. ALL SANITARY WORK SHALL BE COMPLETED IN ACCORDANCE WITH CITY OF PORTLAND TECHNICAL AND DESIGN STANDARDS AND GUIDELINES.
6. ALL WATER DISTRIBUTION WORK SHALL BE COMPLETED IN ACCORDANCE WITH PORTLAND WATER DISTRICT CONSTRUCTION SPECIFICATIONS AND PROCEDURES.
7. PER A PHONE CONVERSATION WITH FRANK BRANCELY, CITY OF PORTLAND SEWER DIVISION, COZY HARBOR IS SUBJECT TO INDUSTRIAL PRETREATMENT, THUS REQUIRING A MANHOLE OUTSIDE THE BUILDING FOR THE CITY TO TEST PROCESS WATER.
8. CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
9. AT LEAST ONE DENSITY TEST TAKEN AT TOP OF SUBBASE GRAVEL SHALL BE PERFORMED WITHIN EACH UTILITY TRENCH

PORTLAND FISH EXCHANGE
ASSUMED FFE = 100.00'

5' (TYP)
REFER TO PLUMBING PLAN FOR CONTINUATION OF UTILITY SERVICES

8" SAN
L=6'
S=0.005

4" - 1/8 BEND

4" - 1/8 BEND

4" W

INV. OUT = 94.50

INV. OUT = 95.00

SMH1

4" SAN
L=14'
S=0.02

REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF RAMPS AND STAIRS

DOUBLE CLEANOUT

REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF RAMPS AND STAIRS

8" SAN
L=77'
S=0.005

EXSMH

4" TAPPING SLEEVE AND VALVE

4" W

CONNECT TO EXISTING SANITARY LINE WITH INSERTA TEE
INV: 93.53'

SMH2

8" SAN
L=76'
S=0.005

CMP POLE NO. 3

REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF RAMPS AND STAIRS

EXISTING PAVED TRUCK RAMP. REFER TO D-101 FOR DEMOLITION INFORMATION

TRENCHING FOR ELECTRICAL SERVICE, REFER TO EP-101 FOR EXACT LOCATION OF CONDUIT RUNS

EXISTING CONCRETE PAD WITH BOLLARDS AND CHAIN LINK FENCE

REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION OF RAMPS AND STAIRS

BRISTOL

PORTLAND FISH PIER

SANITARY SEWER SCHEDULE				
STRUCTURE	SIZE	RIM	INV. IN/SIZE (FROM)	INV. OUT/SIZE (TO)
SMH1	4'ø	AT GRADE	94.47/8"(BLDG)	94.37/8"(SMH2)
SMH2	4'ø	AT GRADE	94.01/8"(SMH1)	93.91/8"(EXSMH)
EXSMH	EX	98.43	92.94/10"(SMH2)	92.94/24"(EXIST)

1 inch = 20 ft.

Gorrill-Palmer Consulting Engineers, Inc.
Engineering Excellence Since 1998
PO Box 1237
15 Shaker Road
Gray, ME 04039
207-657-6910
FAX: 207-657-6912
E-Mail: mailbox@gorrillpalmer.com

REFERENCES:

LDD PROJECT NAME: N/A
DRAWING NAME: 1343.40-UTIL.dwg
FIELD BOOK USED: XXXX

DESIGNED BY: P. DITTRICHER
DRAWN BY: B. VAN DAMM
CHECKED BY: M. HASWELL
SCALE: 1" = 20'
DATE: 07/29/2008

STATE OF MAINE
P. DITTRICHER
REG. 11178
PROFESSIONAL ENGINEER
7-30-08

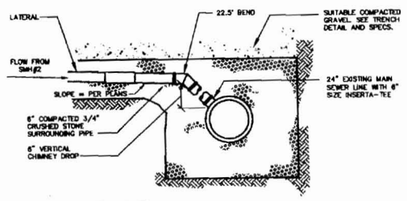
PORTLAND FISH EXCHANGE

SITE LAYOUT AND UTILITY PLAN

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

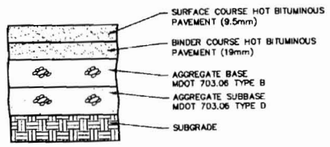
SHEET # C-101

VAULT PLAN NUMBER VPLAN #



NOTE: PIPE DIAMETERS MAY VARY.

SANITARY LATERAL CONNECTION
NOT TO SCALE



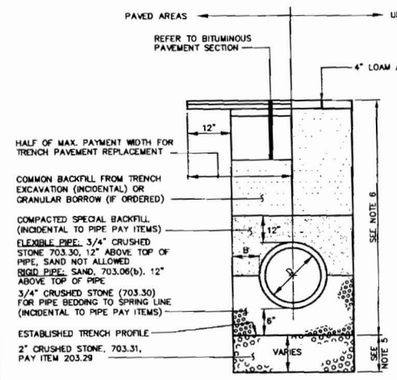
NOTE:
COMPACT SUBGRADE TO 95% MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557

THICKNESS	LAYERS
1 1/2"	HOT MIX ASPHALT 9.5mm
2" 1/2"	HOT MIX ASPHALT 19mm
3"	AGGREGATE BASE GRAVEL MDOT 703.06 TYPE B
15"	AGGREGATE SUBBASE GRAVEL MDOT 703.06 TYPE D

BITUMINOUS PAVEMENT SECTION
NOT TO SCALE

NOTES

1. IN PAVED AREAS, DEPTHS OF GRAVEL AND HOT MIX ASPHALT PAVEMENT SHALL MATCH THE GREATER OF EXISTING CONDITIONS OR BITUMINOUS PAVEMENT SECTION DETAIL.
2. DIMENSION "B" SHALL BE SUFFICIENT TO ALLOW CRUSHED STONE BEDDING TO BE PLACED AND COMPACTED UNDER THE HAUNCHES OF THE PIPE; BUT IN ALL CASES "B" SHALL BE AT LEAST 9".

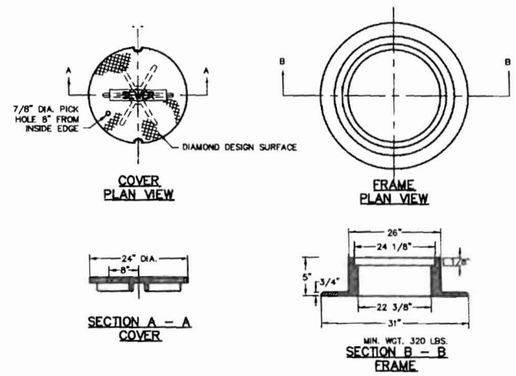


PIPE DIAMETER, "D" (INCHES)	MAX. TRENCH WIDTH, "A" (FEET)
4	4.0
6	4.0
8	4.0
10	4.0
12	4.0
15	4.0
18	5.0
21	5.0
24	5.5
27	6.0
30	6.0
36	7.0
42	8.0
48	8.0

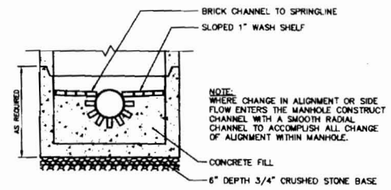
TYPICAL TRENCH
NOT TO SCALE

NOTES:

1. ALL MANHOLE COVERS SHALL BE SOLID AND SHALL HAVE ONE 7/8" DIAMETER DRILLED PICK HOLE, LOCATED 8" FROM THE CENTER OF THE COVER.
2. ALL SANITARY MANHOLE COVERS SHALL HAVE "SEWER" CAST INTO THE COVER. ALL STORMWATER/DRAIN MANHOLE COVERS SHALL HAVE "DRAIN" CAST INTO THE COVER.

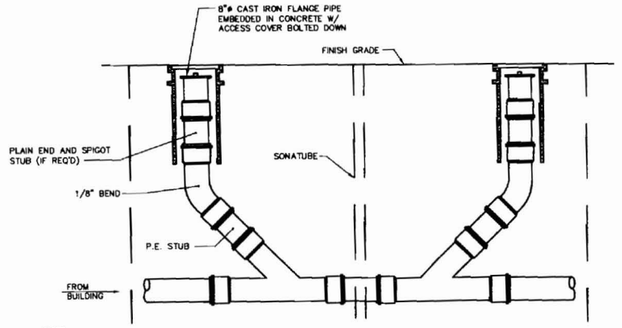


CAST IRON MANHOLE COVER AND FRAME
NOT TO SCALE



NOTE:
WHERE CHANGE IN ALIGNMENT OR SIDE FLOW ENTERS THE MANHOLE CONSTRUCT CHANNEL WITH A SMOOTH RADIAL CHANNEL TO ACCOMPLISH ALL CHANGE OF ALIGNMENT WITHIN MANHOLE.

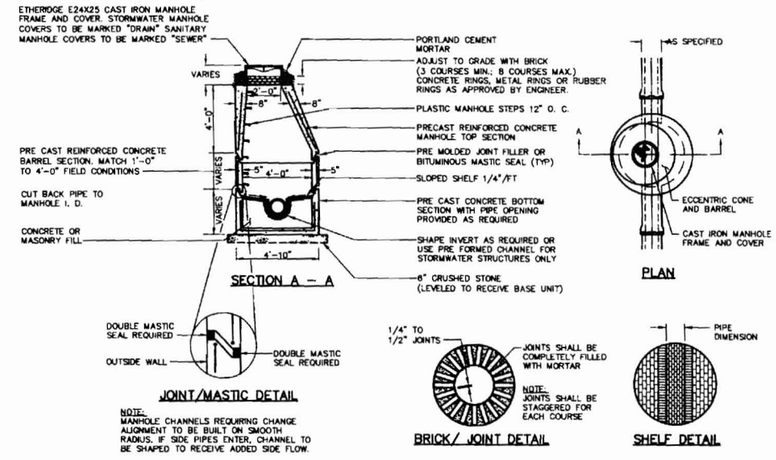
SANITARY SEWER MANHOLE BRICK CHANNEL INSTALLATION
NOT TO SCALE



NOTE:
EACH CLEANOUT SHALL BE ENCASED IN CONCRETE. THE CONCRETE SHALL BE FORMED USING A 30" SONATUBE. A 6x6/10x10 WELDED WIRE MESH SHALL BE USED FOR CONCRETE REINFORCEMENT.

ELEVATION VIEW

DOUBLE PVC CLEANOUT
NOT TO SCALE



NOTE:
MANHOLE CHANNELS REQUIRING CHANGE ALIGNMENT TO BE BUILT ON SMOOTH RADIUS. IF SIDE PIPES ENTER, CHANNEL TO BE SHAPED TO RECEIVE ADDED SIDE FLOW.

PRECAST CONCRETE MANHOLE
NOT TO SCALE

GP Gorrill-Palmer Consulting Engineers, Inc.
Engineering Excellence Since 1998
PO Box 1237
15 Shaker Road
Gray, ME 04039
207-657-6910
FAX: 207-657-6912
E-Mail: mailbox@gorrillpalmer.com

REFERENCES:

LDD PROJECT NAME: N/A
DRAWING NAME: 1343.48-DET.dwg
FIELD BOOK USED: XXXX

DESIGNED BY: P. OSTROWSKI
DRAWN BY: B. VAN DAAM
CHECKED BY: M. HASKELL
SCALE: AS NOTED
DATE: 07/30/2008

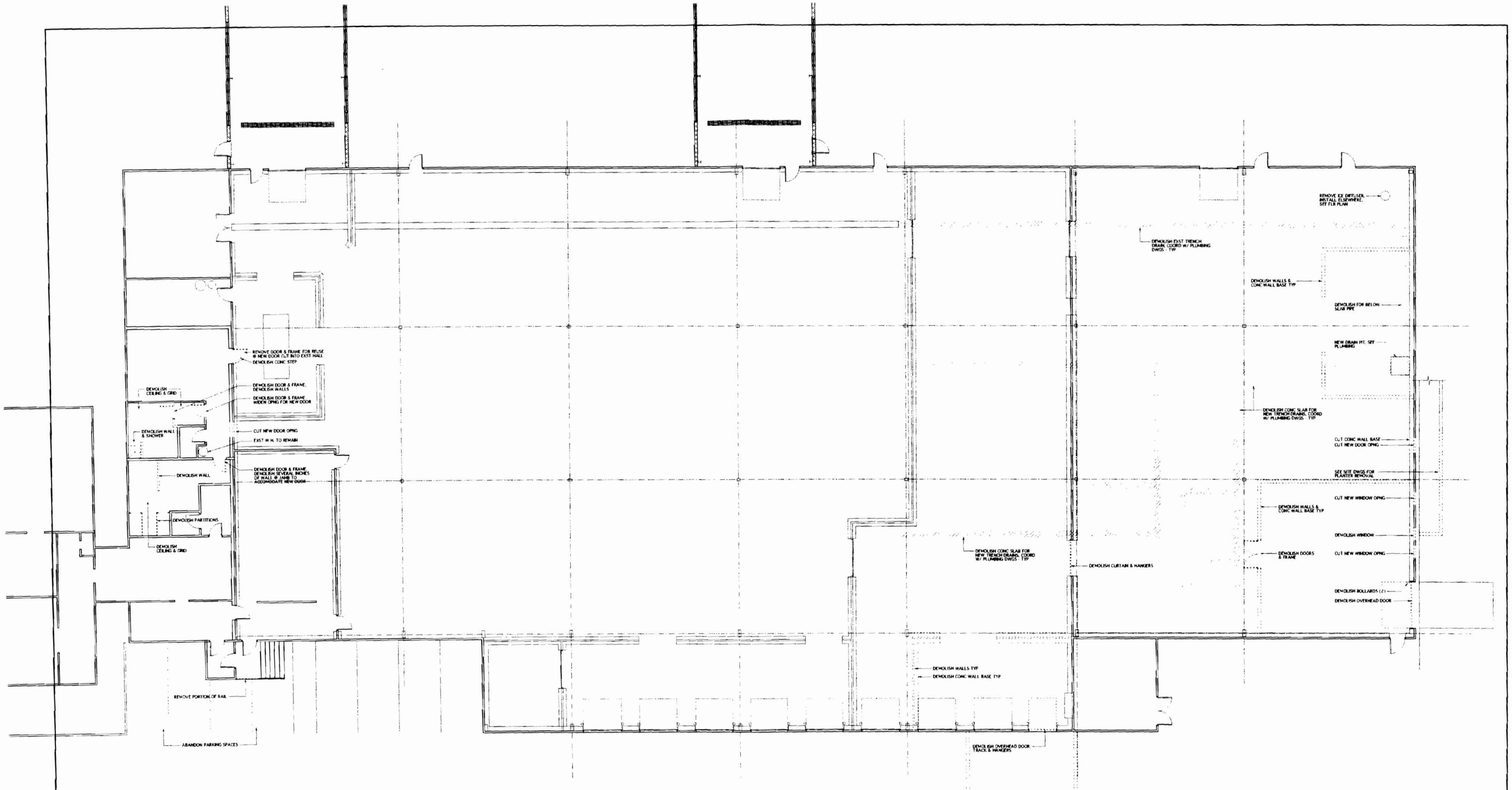
STATE OF MAINE — PAUL J. OSTROWSKI — NO. 11176 — REGISTERED PROFESSIONAL ENGINEER
7-30-08

PORTLAND FISH EXCHANGE

SITE AND UTILITY DETAILS

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET #: C-401
VAULT PLAN NUMBER: VPLAN #



DEMOLITION NOTES

1. ABANDONED DRAIN LINES, PIPES AND DUCTS ARE TO BE REMOVED WHERE PRACTICAL, SUCH ITEMS ARE TO BE CUT BACK OR TERMINATED WELL BEHIND NEW COVERING SURFACE WORK.
2. COORDINATE WORK DESCRIBED ON DEMOLITION PLANS WITH NEW CONSTRUCTION AS SHOWN ON ALL OTHER DRAWINGS. SELECTED OPENINGS & PENETRATIONS MAY BE REQUIRED TO COORDINATE AND EXECUTE THE WORK. MAINTAIN THE STRUCTURAL & THERMAL INTEGRITY OF THE BUILDING.
3. IF DISCREPANCIES ARE FOUND IN THE DEMOLITION WORK DESCRIBED ON THIS DRAWING, NOTIFY THE ARCHITECT FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
4. ERECT DUST PARTITIONS AS APPROPRIATE TO PREVENT THE MIGRATION OF DEMOLITION DUST AND DEBRIS TO OTHER PARTS OF THE BUILDING. COORDINATE LOCATIONS OF SUCH PARTITIONS WITH ARCHITECT AND OWNER.
5. ALL EQUIPMENT NOTED ON THIS PLAN TO BE REMOVED, OR OTHERWISE REQUIRED TO BE MOVED FOR THE DESIGN INTENT, SHALL BE SAFELY STORED ON SITE FOR THE OWNER TO REVIEW PRIOR TO DISPOSAL BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
6. WHEN REMOVING MATERIALS (STEEL, MASONRY, PLASTER, FLOORING, OTHER MATERIALS) ALWAYS GRIND SMOOTH OR OTHERWISE LEVEL ALL EDGES AND SURFACES. GRIND OR SMOOTH ALL SIDES TO LEAVE IN CLEAN, STRAIGHT LIKE-NEW CONDITION WITH NO JAGGED EDGE OR FACE CONDITIONS.
7. HOLES IN EXISTING FLOORS LEFT BY REMOVALS SHALL BE REPAIRED, PATCHED AND LEFT READY FOR THE INSTALLATION OF NEW FLOOR FINISHES AS NOTED ON THE FINISH SCHEDULE. MATCH ALL EXISTING GRADES AND LINES.
8. IN GENERAL, PATCH HOLES MADE OR AREAS OF EXISTING MATERIALS REMOVED WITH LIKE MATERIAL IN ORDER TO INSTALL NEW WORK SO THAT PATCH MATERIAL IS FINISHED TIGHT TO SURROUNDING SURFACES AND INSTALLED MATERIALS, LEAVING NO GAPING HOLES BETWEEN BUILDING SPACES.
9. NEW DOOR OPENINGS IN EXISTING WALLS SHALL BE CONSTRUCTED TO REQUIRED DIMENSIONS FOR NEW DOOR SIZES LISTED ON DOOR SCHEDULE. COORDINATE NEW MASONRY OPENINGS WITH ARCHITECTURAL PLANS.
10. WHEN REMOVING EXISTING WALLS, PARTITIONS, COUNTERS OR OTHER FIXED ITEMS, REMOVE MATERIAL TO SUCH A DEPTH AS TO ACCOMODATE FILLING AND PATCHING TO AN APPROPRIATE LEVEL TO ACCEPT NEW WORK. CUT AND PATCH INTO THESE VOIDS FOR FLUSH FINISHED CONDITIONS.
11. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.

1 / D-101 DEMOLITION PLAN
Scale: 1/8" = 1'-0"

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Engineering Excellence Since 1998

REFERENCES:

LDD PROJECT NAME: XXXX
DRAWING NAME: City of Portland Titleblock - 30x42.dwg
FIELD BOOK USED: XXXX

DESIGNED BY: X. XXXXXXX
DRAWN BY: X. XXXXXXX
CHECKED BY: X. XXXXXXX
SCALE: AS NOTED
DATE: 7-30-09

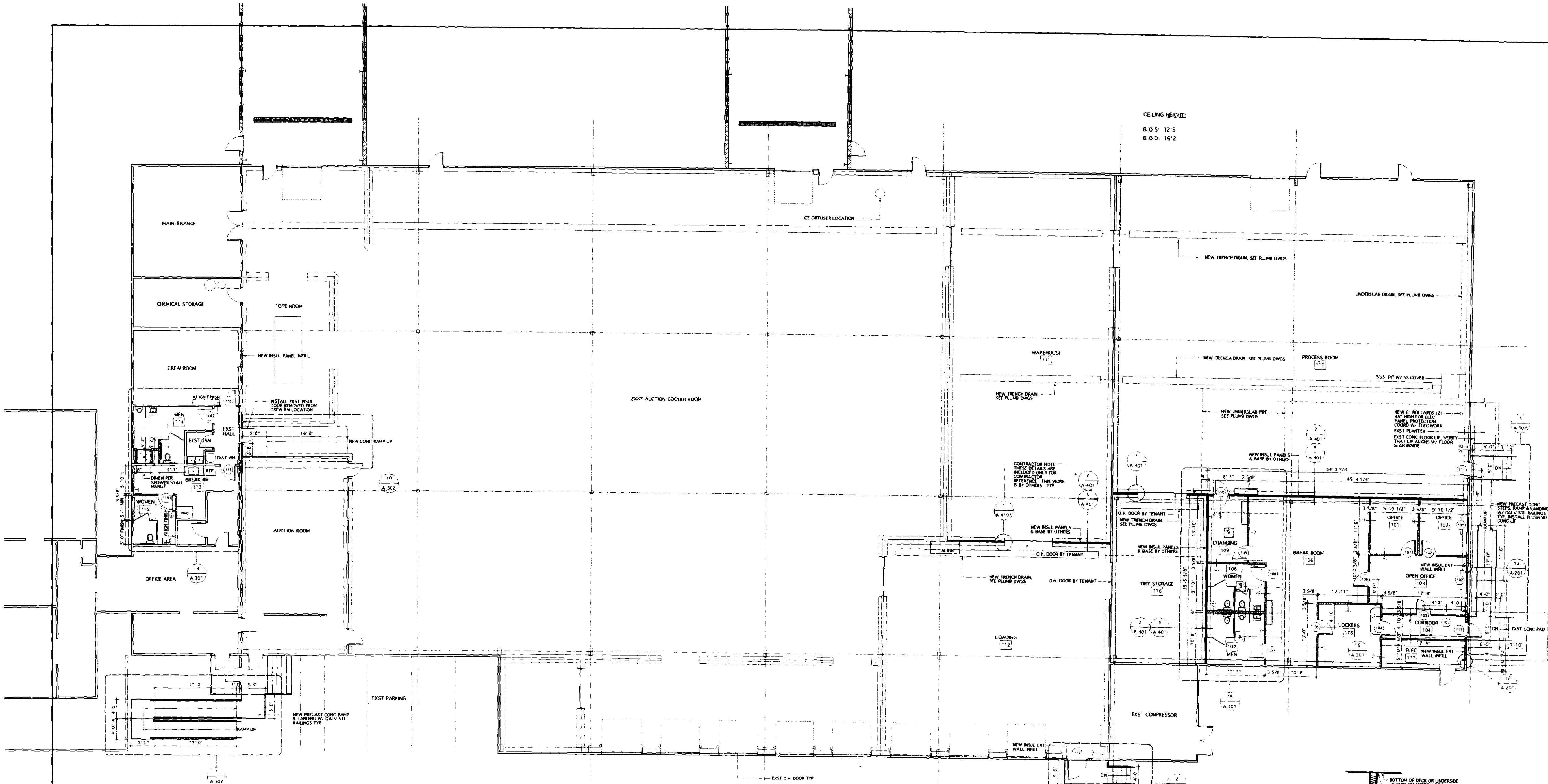
PORTLAND FISH EXCHANGE

DEMOLITION PLAN
-

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS
AND TRANSPORTATION

SHEET # 1 OF 7

VAULT PLAN NUMBER
D-101



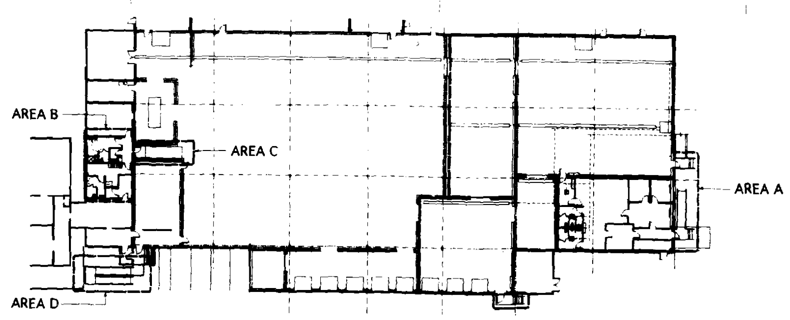
GENERAL NOTES

1. ALL INTERIOR PARTITIONS ARE 3 5/8" METAL STUD UNLESS DIMENSIONED OTHERWISE. SEE SHEET A 601 FOR WALL TYPES
2. FILL ALL NEW PARTITIONS W/ ACOUSTIC BATT INSULATION TO FILL CAVITY WIDTH CAULK AT TOP & BOTTOM WITH ACOUSTIC SEALANT EACH SIDE OF STUD TRACK.
3. WALL DIMENSIONS ON PLAN ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
4. ALL DOOR OPENINGS ARE TO BE FRAMED 4" FROM NEAREST ADJACENT WALL ON HINGE SIDE UNLESS DIMENSIONED OTHERWISE
5. INTERIOR WALLS SHALL BE CONSTRUCTED FULL HEIGHT TO DECK OR STRUCTURE ABOVE UNLESS NOTED OTHERWISE. PROVIDE APPROPRIATE SLIP TRACK AT TOP OF METAL STUD WALLS TO ALLOW DEFLECTION OF STRUCTURE ABOVE.
6. ADJUST EXTERIOR WALL OPENING DIMENSIONS SHOWN FOR WINDOWS AND DOORS PER ACTUAL UNITS PROVIDED BY WINDOW AND DOOR MANUFACTURERS. ADJUST ALL CONTIGUOUS DIMENSIONS IF OPENING DIMENSIONS SHOWN ON PLAN ARE CHANGED
7. PROVIDE TRANSITION STRIPS AT ALL TRANSITIONS BETWEEN DIFFERENT FLOORING MATERIALS. SEE SPECIFICATION FOR PRODUCTS
8. APPLY FOAMED-IN-PLACE INSULATION, BY SPRAY OR FROTH METHOD, TO A UNIFORM MONOLITHIC DENSITY WITHOUT VOIDS INTO MISCELLANEOUS VOIDS AND CAVITY SPACES AROUND DOORS, WINDOWS AND PENETRATIONS TO THE EXTERIOR WALL SYSTEMS TYPICAL
9. PROVIDE 4" HIGH 5/8" PLYWOOD BLOCKING BETWEEN STUDS AT BASE OF ALL WALLS WHERE BASE MOLDING IS TO BE INSTALLED
10. THE CONTRACTOR SHALL COORDINATE ALL PORTIONS OF THE WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS. IF DISCREPANCIES OR CONFLICTS ARE FOUND, NOTIFY THE ENGINEER IN WRITING FOR RESOLUTION PRIOR TO CONSTRUCTION.
11. THE FINISHED WORK SHALL BE FIRM, WELL ANCHORED, IN TRUE ALIGNMENT, PLUMB, LEVEL, WITH SMOOTH, CLEAN, UNIFORM APPEARANCES WITHOUT WAVES, DISTORTIONS, HOLES, MARKS, CRACKS, STAINS OR DISCOLORATION. JOINTING SHALL BE CLOSE FITTING, NEAT AND WELL SCRIBED. THE FINISH WORK SHALL HAVE NO EXPOSED UNSIGHTLY ANCHORS OR FASTENERS AND SHALL NOT PRESENT HAZARDOUS, UNSAFE CORNERS. ALL WORK SHALL HAVE THE PROVISION FOR EXPANSION, CONTRACTION AND SHRINKAGE AS NECESSARY TO PREVENT CRACKS, BUCKLING AND WARPING DUE TO TEMPERATURE AND HUMIDITY CONDITIONS.
12. AT AREAS WHERE CONCRETE WALL BASES HAVE BEEN DEMOLISHED, THE CONTRACTOR SHALL REPAIR DAMAGE TO EXISTING FLOOR SLABS BY LEVELING HIGH SPOTS, CLEANING THE CONCRETE SURFACE AND LEVELING WITH A SELF LEVELING MATERIAL SUCH AS ARDEX TO PRODUCE A SMOOTH, LEVEL FINISH
13. ALL REQUIREMENTS OF NSF/ANSI 2 2009 AND NSF/ANSI 51 2009 SHALL APPLY FOR CONSTRUCTON OF FOOD ZONE EQUIPMENT. ALL EQUIPMENT SUPPORTS AND FASTENERS LOCATED IN PROCESSING AREAS, WAREHOUSE, COOLER AND CHANGING ROOM WHICH ARE BELOW THE CEILINGS SHALL BE STAINLESS STEEL. THIS INCLUDES, BUT IS NOT LIMITED TO, THREADED ROD, UNI STRUT, PIPE HANGERS, SCREWS AND ALL OTHER FASTENERS. ALL CAULKING AND SILICONE SEALANT APPLIED IN THESE SPACES SHALL MEET THE STANDARDS OF NSF 2 AND NSF 51 OR BE FDA/USDA APPROVED.

1 / A 101 FLOOR PLAN
Scale: 1/8" = 1'-0"

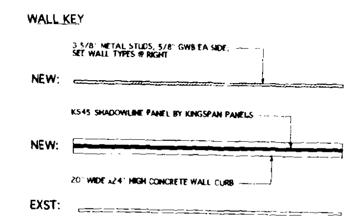
NOTES:

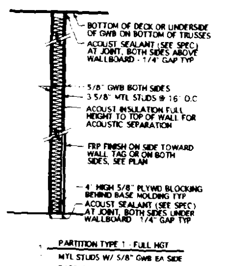
1. INSULATED PANELS: KS45 SHADOWLINE, KINGSPAN PANELS 4" THICK, 26 GA. FACE



2 / A 101 AREA DIAGRAM
Scale: 1/32" = 1'-0"

REFER TO BID PROPOSAL FORM





1 PARTITION TYPE 1 - FULL HGT
MTL STUDS W/ 5/8" GWB EA SIDE

1A PARTITION TYPE 1A - 9' HIGH
MTL STUDS W/ 5/8" GWB EA SIDE

2 PARTITION TYPE 2 FULL HGT
MTL STUDS W/ 5/8" GWB EA SIDE, FRP ONE SIDE

3 PARTITION TYPE 3 - FULL HGT
MTL STUDS W/ 5/8" GWB EA SIDE, FRP BOTH SIDES

WALL TYPES

NOTE: BRACE 9' HIGH PARTITIONS TO ROOF STRUCTURE @ 4' MAX SPACING

N

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REFERENCES:

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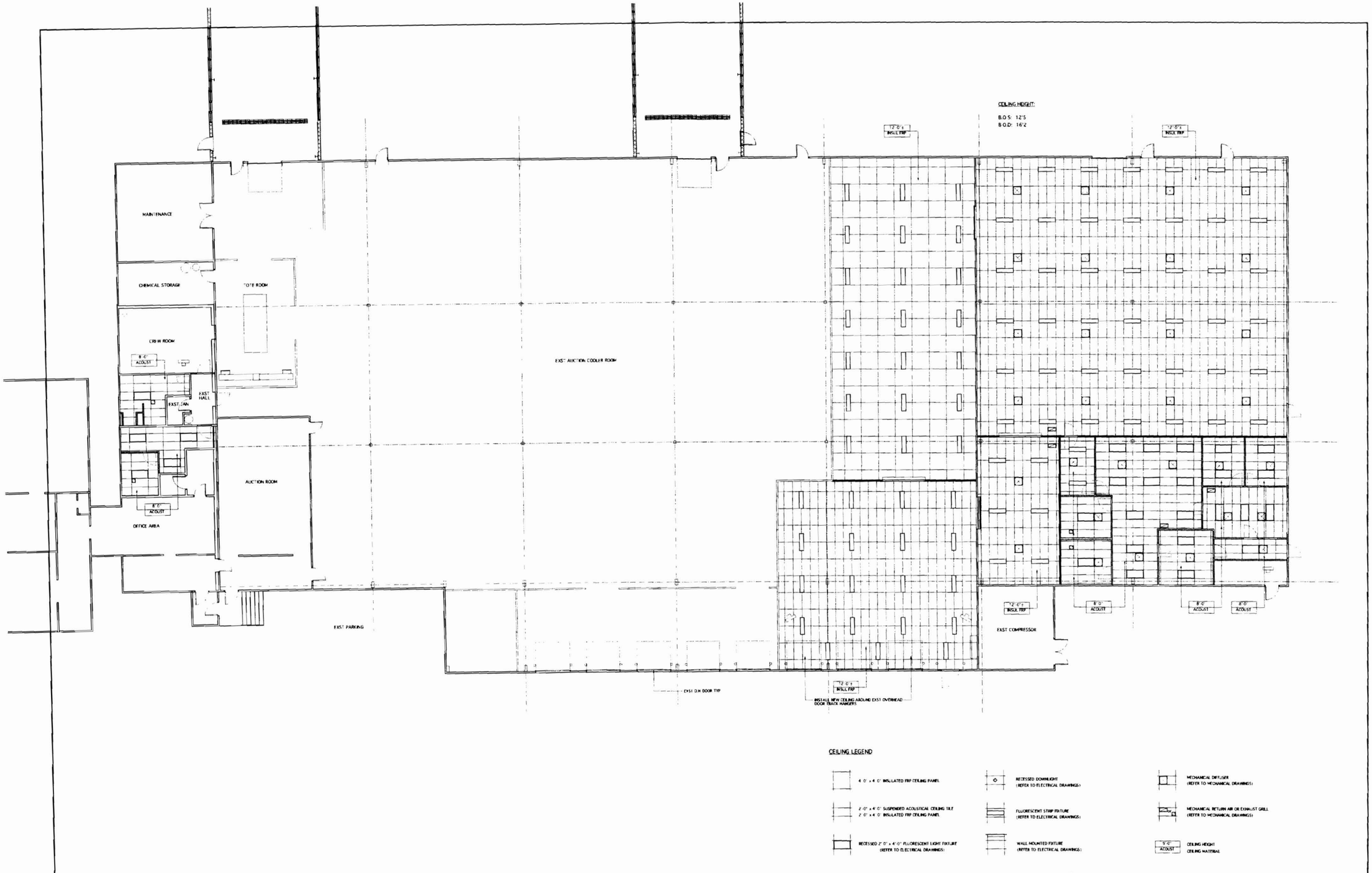
PORTLAND FISH EXCHANGE

FLOOR PLAN
NOTES, WALL TYPES

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET # 2 OF 7

VAULT PLAN NUMBER A-101



1 A-102 REFLECTED CEILING PLAN
Scale: 1/8" = 1'-0"

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LDD PROJECT NAME:
XXXX
DRAWING NAME:
City of Portland Titleblock - 30x42.dwg
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XXXX

DESIGNED BY: K. XXXXXXX
DRAWN BY: K. XXXXXXX
CHECKED BY: K. XXXXXXX
SCALE: AS NOTED
DATE: 7-30-09

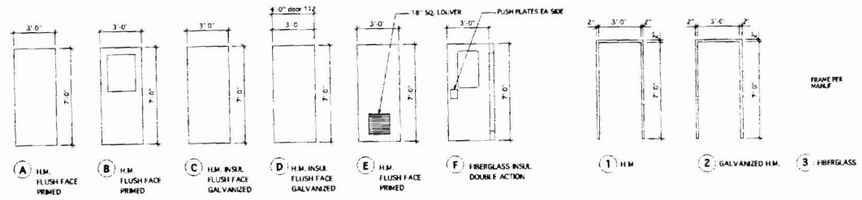
PORTLAND FISH EXCHANGE

REFLECTED CEILING PLAN

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET # 3 OF 7

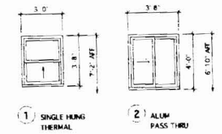
VAULT PLAN NUMBER
A-102



(A) H.M. FLUSH FACE PRIMED (B) H.M. FLUSH FACE PRIMED (C) H.M. INSUL. FLUSH FACE GALVANIZED (D) H.M. INSUL. FLUSH FACE GALVANIZED (E) H.M. FLUSH FACE PRIMED (F) FIBERGLASS INSUL. DOUBLE ACTION (1) H.M. (2) GALVANIZED H.M. (3) FIBERGLASS

DOOR TYPES, FRAME TYPES

ALL EXTERIOR FRAMES TO BE GALVANIZED TYP U.N.O.
CONFIRM THROAT SIZES OF ALL METAL FRAMES TYP



(1) SINGLE HUNG THERMAL (2) ALUM PASS THRU

WINDOW TYPES

DOOR SCHEDULE

ID	Location	Type	Height	Width	Thickness	Door Matl	Glazing	Frame Type	Frame Matl	Fire Label	Hdwr Set	Accessories	Remarks
101	101	B	7'0"	3'0"	1 3/4"	HM	1/4" safety	2	HM		See Spec		Galv door & frame
102	102	B	7'0"	3'0"	1 3/4"	HM	1/4" safety	2	HM		See Spec		Galv door & frame
103	103	B	7'0"	3'0"	1 3/4"	HM	1/4" safety	2	HM		See Spec		Galv door & frame
104	104	B	7'0"	3'0"	1 3/4"	HM	1/4" safety	2	HM		See Spec		Galv door & frame
105	105	B	7'0"	3'0"	1 3/4"	HM	1/4" safety	2	HM		See Spec		Galv door & frame
106	106	B	7'0"	3'0"	1 3/4"	HM	1/4" safety	2	HM		See Spec		Galv door & frame
107	107	E	7'0"	3'0"	1 3/4"	HM		2	HM		See Spec		Galv door & frame
108	108	E	7'0"	3'0"	1 3/4"	HM		2	HM		See Spec		Galv door & frame
109	109	F	7'0"	3'0"	3 3/4"	Fiberglass	Insul by manuf	3	By manuf		See Spec		Double acting self-closing
110	110	F	7'0"	3'0"	3 3/4"	Fiberglass	Insul by manuf	3	By manuf		See Spec		Double acting self-closing
111	110	C	7'0"	3'0"	1 3/4"	HM		2	HM		See Spec		Galv door & frame, "cast only"
112	112	D	7'0"	4'0"	1 3/4"	HM	** Insul	2	HM		See Spec		Galv door & frame
113	113	A	7'0"	3'0"	1 3/4"	HM		1	HM		See Spec		Install in inset modified opng
114	114	E	7'0"	3'0"	1 3/4"	HM		1	HM		See Spec		
115	115	A	7'0"	3'0"	1 3/4"	HM		1	HM		See Spec		3/4" undercut
116	Crew Rm	A	7'0"	3'0"	1 3/4"	HM		1	HM		See Spec		
117	104	D	7'0"	3'0"	1 3/4"	HM	** Insul	2	HM		See Spec		Galv door & frame

Ceiling
- C1A — No ceiling finish
- FRP — Zolt scored acoustical tile
- Wall — Fiberglass reinforced panel
- FRP — Fiberglass reinforced panel
- N — Existing to remain
- PGB — Prit pyrosum wall board
- Base — No base
- VB — Vinyl Base 4
- Floor
- EX — Existing to remain
- PEX — Paint over existing
- VCT — Vinyl composition tile

WINDOW & BORROWED LITE SCHEDULE

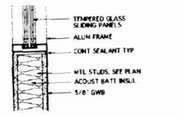
ID	Location	Type	Height	Width	Sill Dtl	Jamb Dtl	Head Dtl	Accessories	Remarks
101	103	1	3'8"	3'0"	9/A-201	10/A-201	11/A-201	Screen	
102	104	1	3'8"	3'0"	9/A-201	10/A-201	11/A-201	Screen	
103	103	2	4'0"	3'8"	3/A-201	4/A-201 SIM	4/A-201		Sliding panels, tempered glass

ROOM FINISH SCHEDULE

Room Number	Room Name	Floor Matl	Base	Wall North	Wall East	Wall South	Wall West	Ceiling Matl	Remarks
101	OFFICE	VCT	VB	PGB	PGB	PGB	PGB	C1A	
102	OFFICE	VCT	VB	PGB	PGB	PGB	PGB	C1A	Paint exposed column w/ epoxy paint
103	OPEN OFFICE	VCT	VB	PGB	PGB	PGB	PGB	C1A	
104	CORRIDOR	VCT	VB	PGB	PGB	PGB	PGB	C1A	
105	LOCKERS	VCT	VB	FRP	FRP	FRP	FRP	C1A	
106	BREAK ROOM	VCT	VB	FRP	FRP	FRP	FRP	C1A	Paint all exposed columns w/ epoxy paint, use water resistant adhesive for VCT under sink
107	MEN	VCT	VB	FRP	FRP	FRP	FRP	C1A	Use water resistant adhesive for VCT
108	WOMEN	VCT	VB	FRP	FRP	FRP	FRP	C1A	Use water resistant adhesive for VCT
109	CHANGING	VCT	VB	FRP	FRP	FRP	FRP	C1A	Use water resistant adhesive for VCT
110	PROCESS ROOM	PEX	-	N	N	N	N	FRP	Insul ctg panels, paint all exposed columns & floor w/ epoxy paint
111	WAREHOUSE	PEX	-	N	N	N	N	FRP	Insul ctg panels, paint all exposed columns & floor w/ epoxy paint
112	LOADING	PEX	-	N	N	N	N	FRP	Insul ctg panels, paint all exposed columns & floor w/ epoxy paint
113	BREAK RM	VCT	VB	FRP	FRP	FRP	FRP	C1A	
114	MEN	VCT	VB	FRP	FRP	FRP	FRP	C1A	
115	WOMEN	VCT	VB	FRP	FRP	FRP	FRP	C1A	
116	DRY STORAGE	PEX	-	N	N	N	N	FRP	Insul ctg panels, paint all exposed columns & floor w/ epoxy paint
117	ELEC	EX	-	N	PGB	PGB	N	-	

4 / A-201 HEAD DTL PASS THRU
Scale: 1 1/2" = 1'-0"

8 / A-201 JAMB DETAIL, HEAD SIM - DOOR 112
Scale: 1 1/2" = 1'-0"



3 / A-201 SILL DTL PASS THRU
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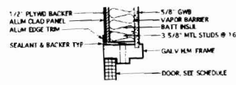
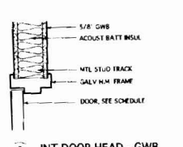
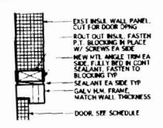


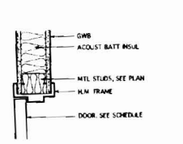
7 / A-201 JAMB DETAIL, HEAD SIM - DOOR 117
Scale: 1 1/2" = 1'-0"



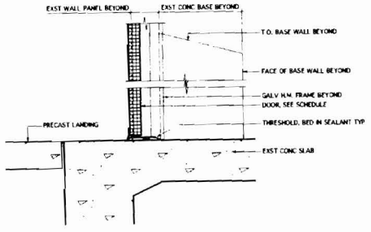
7 / A-201 INT DOOR HEAD - GWB
Scale: 1 1/2" = 1'-0"



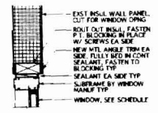
6 / A-201 JAMB DETAIL, HEAD SIM - DOOR 111
Scale: 1 1/2" = 1'-0"



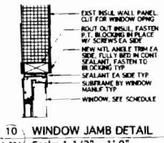
1 / A-201 INT DOOR JAMB - GWB
Scale: 1 1/2" = 1'-0"



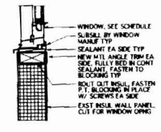
5 / A-201 SILL DTL - DOORS 111, 117
Scale: 1 1/2" = 1'-0"



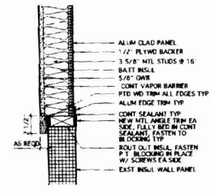
11 / A-201 WINDOW HEAD DETAIL
Scale: 1 1/2" = 1'-0"



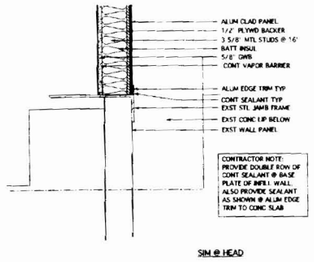
10 / A-201 WINDOW JAMB DETAIL
Scale: 1 1/2" = 1'-0"



9 / A-201 WINDOW SILL DETAIL
Scale: 1 1/2" = 1'-0"



12 / A-201 WALL INFILL DTL - WNDW OPNG
Scale: 1 1/2" = 1'-0"



SIM @ HEAD

12 / A-201 WALL INFILL DTL - O.H. DOOR OPNG
Scale: 1 1/2" = 1'-0"

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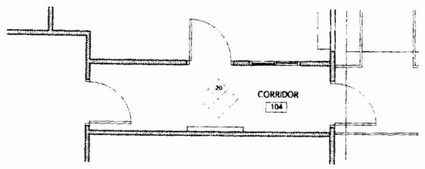
PORTLAND FISH EXCHANGE

SCHEDULES
DOOR & WINDOW DETAILS

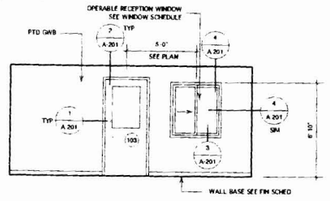
CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET #
4 OF 7

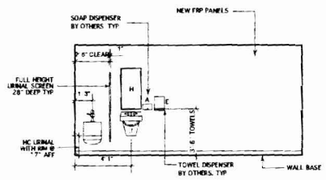
VAULT PLAN NUMBER
A-201



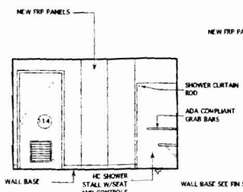
19 A-301 CORRIDOR 104 PLAN
Scale: 1/4" = 1'-0"



20 A-301 CORR 104 RECEPTION WINDOW
Scale: 1/4" = 1'-0"



1 A-301 MEN 114 TOILET ELEVATION
Scale: 1/4" = 1'-0"



2 A-301 MEN 114 TOILET ELEVATION
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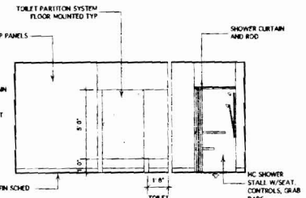
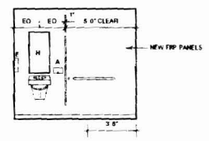
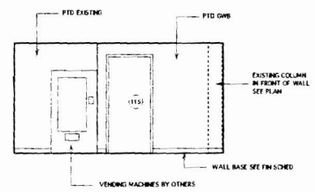


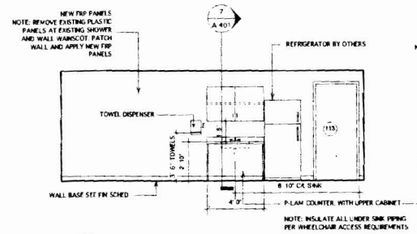
3 A-301 MEN 114 TOILET ELEVATION
Scale: 1/4" = 1'-0"



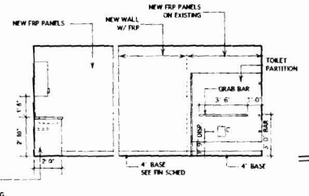
4 A-301 WOMEN 115 TOILET ELEVATION
Scale: 1/4" = 1'-0"



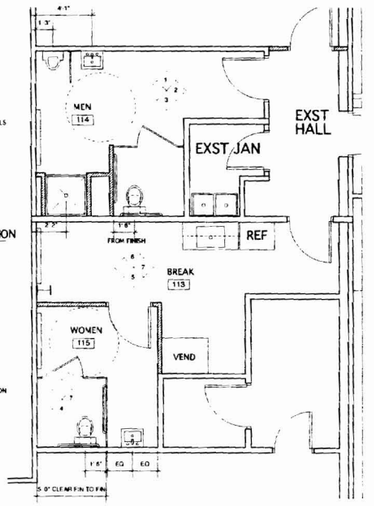
5 A-301 BREAK 113 ELEVATION
Scale: 1/4" = 1'-0"



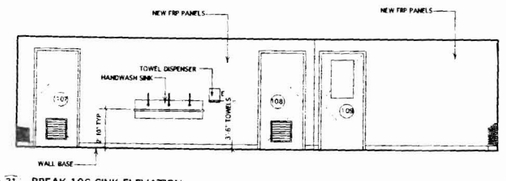
6 A-301 BREAK 113 ELEVATION
Scale: 1/4" = 1'-0"



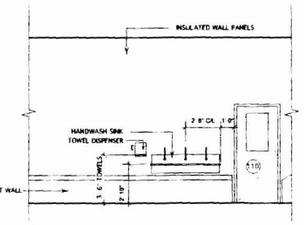
7 A-301 BREAK 113 TOILET 115 ELEVATION
Scale: 1/4" = 1'-0"



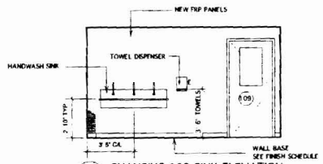
14 A-301 TOILET PLAN
Scale: 1/4" = 1'-0"



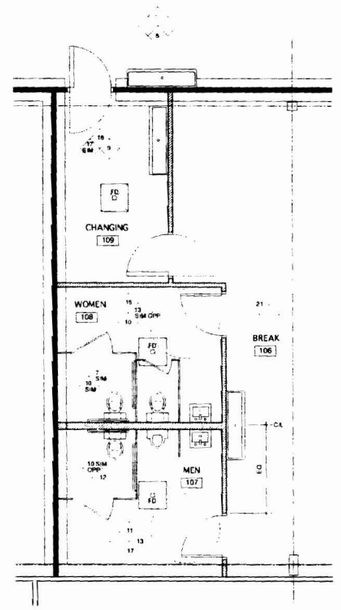
21 A-301 BREAK 106 SINK ELEVATION
Scale: 1/4" = 1'-0"



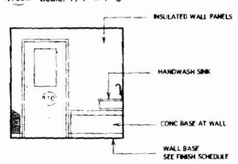
8 A-301 PROCESS 110 SINK ELEVATION
Scale: 1/4" = 1'-0"



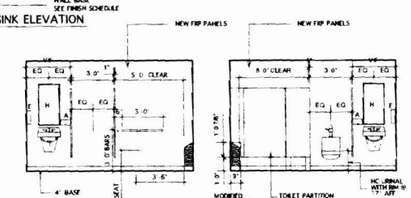
9 A-301 CHANGING 109 SINK ELEVATION
Scale: 1/4" = 1'-0"



15 A-301 TOILET PLAN
Scale: 1/4" = 1'-0"

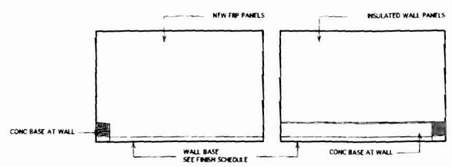


18 A-301 SINK ELEVATION
Scale: 1/4" = 1'-0"



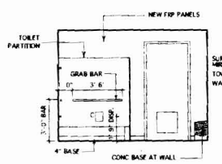
10 A-301 WOMEN 108 TOILET ELEVATION
Scale: 1/4" = 1'-0"

11 A-301 MEN 107 TOILET ELEVATION
Scale: 1/4" = 1'-0"

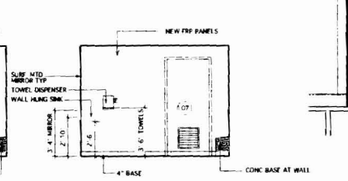


16 A-301 WOMEN 108 TOILET ELEVATION
Scale: 1/4" = 1'-0"

17 A-301 MEN 107 TOILET ELEVATION
Scale: 1/4" = 1'-0"



12 A-301 MEN 107 TOILET ELEVATION
Scale: 1/4" = 1'-0"



13 A-301 MEN 107 TOILET ELEVATION / WOMEN 108 OPP HAND
Scale: 1/4" = 1'-0"

DETAIL NUMBER IF ELEVATION SHOWN
20
PLAN KEY TO ELEVATIONS

BATHROOM NOTES

1. LOCATE ALL WALL MOUNTED ROOM ACCESSORIES AT 4'-0" AFF MAX. TO HIGHEST DISPENSER MECHANISM OR CONTROL UNLESS NOTED OTHERWISE.
2. TOILET AND URINAL PARTITIONS ARE DIMENSIONED TO THE FACE OF EACH PARTITION BASED UPON A 1" THICK PANEL.
3. ALL DIMENSIONS RELATED TO PLUMBING FIXTURES SHALL BE FROM THE CENTERLINE OF FIXTURE TO FACE OF FINISH UNLESS NOTED OTHERWISE.
4. AT ALL SINK LOCATIONS, ALL WATER SUPPLY AND DRAIN PIPES SHALL BE THERMALLY INSULATED FOR PROTECTION FROM CONTACT.
5. PROVIDE AND INSTALL ADEQUATE WALL BLOCKING IN EXISTING & NEW WALLS FOR MOUNTING OF ALL ACCESSORIES AT REQUIRED HEIGHTS SHOWN.
6. ACCESSORIES NOTED IN LEGEND AS SUPPLIED BY OTHERS SHALL BE INSTALLED BY CONTRACTOR TYP.
7. FLOOR DRAIN BONDOUTS IN TOILET ROOM FLOORS SHALL BE CONSTRUCTED 2'x2', SLOPING DOWN AT EACH SIDE 1/2" TO THE DRAIN COVER. SEE PLUMBING DRAWINGS FOR DRAIN LOCATIONS.

BATHROOM ACCESSORY KEY

- A SOAP DISPENSER - BY OTHERS, INSTALLED BY CONTRACTOR
- B PAPER TOWEL DISPOSAL - BY OTHERS
- C TOILET TISSUE DISPENSER - BY OTHERS, INSTALLED BY CONTRACTOR
- D FEMININE NAPKIN DISPENSER - NOT PROVIDED
- E PAPER TOWEL DISPENSER - BY OTHERS, INSTALLED BY CONTRACTOR
- G GRAB BARS - PROVIDED AND INSTALLED BY CONTRACTOR
- H MIRRORS - 18"WX36"H PROVIDED AND INSTALLED BY CONTRACTOR

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REFERENCES:

LDD PROJECT NAME: XXXX
DRAWING NAME: City of Portland Titleblock - 30x42.dwg
FIELD BOOK USED: XXXX

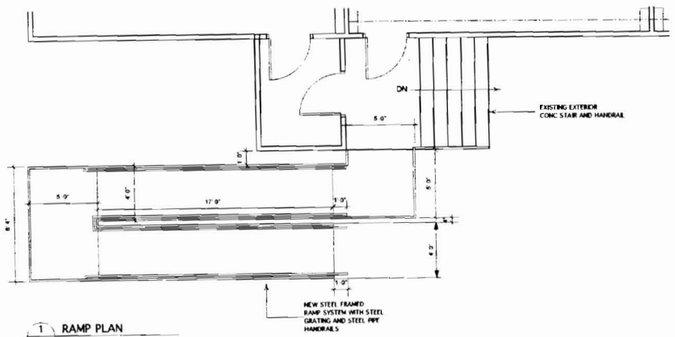
DESIGNED BY: K. XXXXXXX
DRAWN BY: K. XXXXXXX
CHECKED BY: K. XXXXXXX
SCALE: AS NOTED
DATE: 7-30-09

PORTLAND FISH EXCHANGE

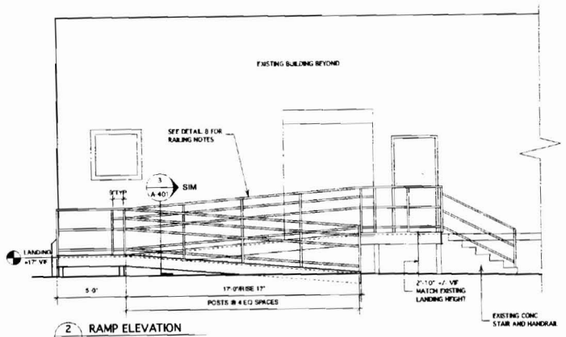
ENLARGED PLANS & ELEVATIONS

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

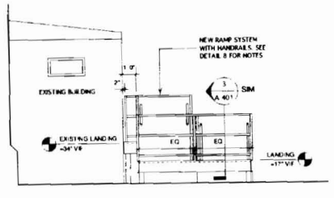
SHEET # 5 OF 7
VAULT PLAN NUMBER A-301



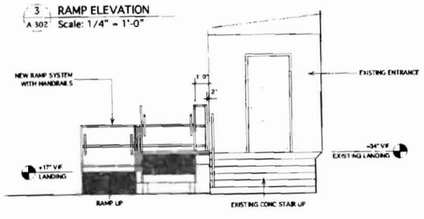
1 RAMP PLAN
A-302 Scale: 1/4" = 1'-0"



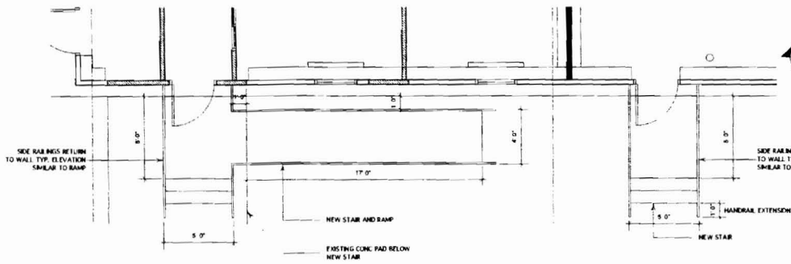
2 RAMP ELEVATION
A-302 Scale: 1/4" = 1'-0"



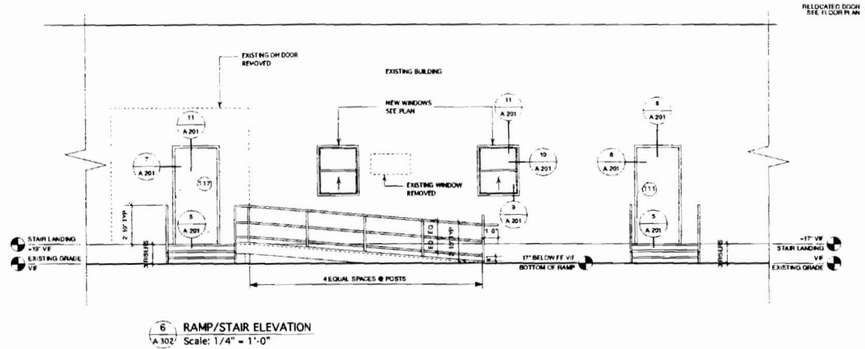
3 RAMP ELEVATION
A-302 Scale: 1/4" = 1'-0"



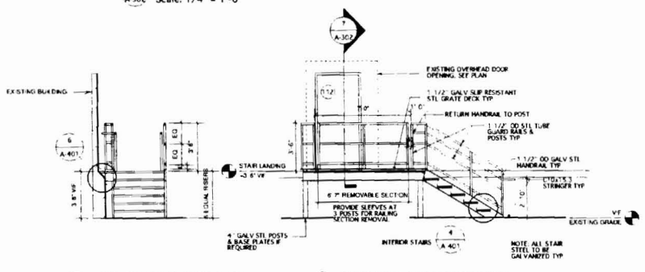
4 RAMP ELEVATION
A-302 Scale: 1/4" = 1'-0"



5 RAMP/STAIR PLAN
A-302 Scale: 1/4" = 1'-0"

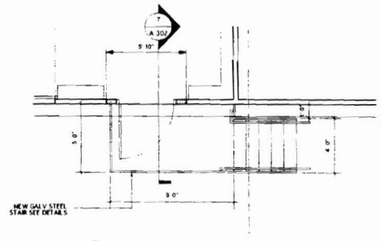


6 RAMP/STAIR ELEVATION
A-302 Scale: 1/4" = 1'-0"

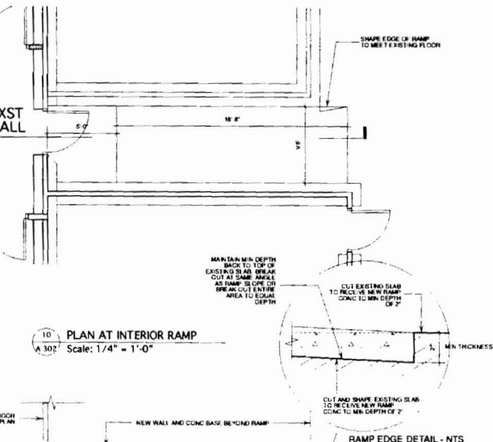


7 SECTION AT EXTERIOR STAIR
A-302 Scale: 1/4" = 1'-0"

8 ELEVATION AT EXTERIOR STAIR
A-302 Scale: 1/4" = 1'-0"



9 ELEVATION AT EXTERIOR STAIR
A-302 Scale: 1/4" = 1'-0"



10 PLAN AT INTERIOR RAMP
A-302 Scale: 1/4" = 1'-0"

RAMP EDGE DETAIL - NTS

11 SECTION AT INTERIOR RAMP
A-302 Scale: 1/4" = 1'-0"

NOTICE TO CONTRACTOR ABOUT STAIRS AND RAMPS:

DRAWINGS AND NOTES ABOUT PROPOSED STAIR AND RAMP CONSTRUCTION ARE BASED ON THE FABRICATION AND INSTALLATION OF GALVANIZED STEEL COMPONENTS.

1. CONTRACTOR IS NOTIFIED THAT STEEL CONSTRUCTION WILL NOT BE REQUIRED CONTRACTOR IS TO PROVIDE ALL NECESSARY COMPONENTS REQUIRED FOR THE INSTALLATION OF PRECAST CONCRETE STAIR AND RAMP CONSTRUCTION.

2. ALL PRECAST CONCRETE CONSTRUCTION TO BE FABRICATED AND INSTALLED TO THE DIMENSIONS SHOWN ON THE PLANS AND ELEVATIONS FOR THE PROPOSED STEEL CONSTRUCTION.

3. CONTRACTOR TO PROVIDE HANDRAILS AS SHOWN AND FABRICATED FROM STEEL PIPE AS DETAILED OR EQUAL LAYOUT AND FABRICATION APPROVED BY THE OWNER. GALVANIZED HANDRAILS ARE REQUIRED. PROVIDE GALV STEEL PIPE IN SIZES COMPLIANT WITH APPLICABLE CODES. ALL CONNECTIONS TO BE WELDED AND GROUND SMOOTH. ALL ATTACHMENTS TO PRECAST CONSTRUCTION ARE TO MEET THE HANDRAIL LOADING REQUIREMENTS AS REQUIRED BY THE APPLICABLE BUILDING CODE.

4. CONTRACTOR TO PROVIDE FABRICATION DRAWINGS OF PRECAST CONCRETE STAIRS AND RAMPS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION OF COMPONENTS.

5. CONTRACTOR TO PROVIDE AND INSTALL SUITABLE FOUNDATION SUPPORT AS REQUIRED AND DETERMINED BY THE CONTRACTOR FOR THE PRECAST CONCRETE STAIRS AND RAMPS.

6. ALL PRECAST LANDINGS, STAIR TREADS AND RAMP SURFACES TO BE NON SLIP FINISH PER APPLICABLE BUILDING CODES AND ADA (AMERICANS WITH DISABILITIES ACT) REQUIREMENTS.

RAMPS AND STAIRS CONSTRUCTION GENERAL NOTE

1. FABRICATOR TO PROVIDE ALL NECESSARY COMPONENTS TO FABRICATE, ASSEMBLE AND INSTALL RAMPS AND STAIRS AS SHOWN ON DRAWINGS. FABRICATOR TO PROVIDE COMPONENT SIZES SIMILAR TO THOSE SHOWN OR COMPONENT SIZES PROVEN TO BE ADEQUATE FOR SAFE AND SECURE STAIR AND RAMP SYSTEMS. ALL HANDRAILS AND WALKING SURFACES TO MEET CURRENT ADA REQUIREMENTS FOR DIMENSIONS AND SURFACE FINISHES.

2. INTERMEDIATE SUPPORTS REQUIRED FOR SURFACE GRATING INSTALLATION SHOWN ARE THE RESPONSIBILITY OF THE FABRICATOR AND ARE TO BE PROVIDED WHERE SPANS EXCEED RECOMMENDED SPAN DISTANCE FOR THE GRATING DEPTH SHOWN.

3. ALL CONNECTIONS TO BE WELDED AND GROUND SMOOTH WHERE VISIBLE.

4. ALL STEEL COMPONENTS TO BE GALVANIZED.

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REFERENCES:

LDD PROJECT NAME:	XXXX
DRAWING NAME:	City of Portland Titleblock 30x42.dwg
FIELD BOOK USED:	XXXX
DESIGNED BY:	K. XXXXXXX
DRAWN BY:	K. XXXXXXX
CHECKED BY:	K. XXXXXXX
SCALE:	AS NOTED
DATE:	7-30-09

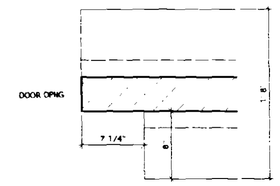
PORTLAND FISH EXCHANGE

EXTERIOR RAMPS & STAIRS

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

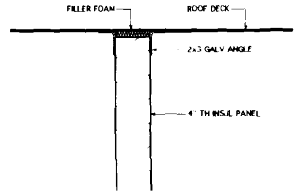
SHEET # 6 OF 7

VAULT PLAN NUMBER A-302



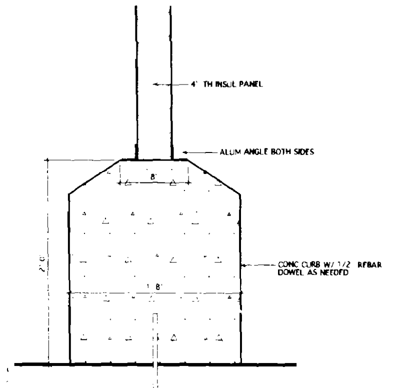
1 / A-401 — TOP VIEW - CURB @ O.H. DOOR OPNG
Scale: 1 1/2" = 1'-0"

THIS DETAIL INCLUDED FOR CONTRACTOR FEFERENCE ONLY. WORK IS BY OTHERS.



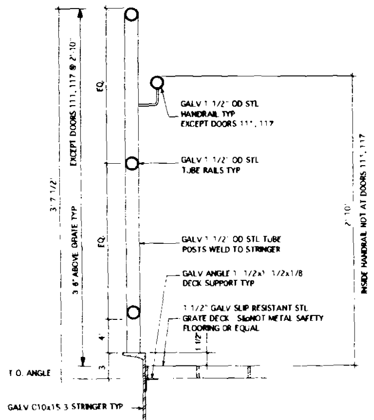
2 / A-401 — TOP OF WALL DTL - TYP
Scale: 1 1/2" = 1'-0"

THIS DETAIL INCLUDED FOR CONTRACTOR FEFERENCE ONLY. WORK IS BY OTHERS.

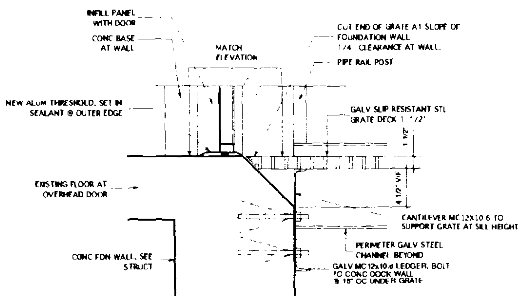


5 / A-401 — WALL CURB DTL - TYP
Scale: 1 1/2" = 1'-0"

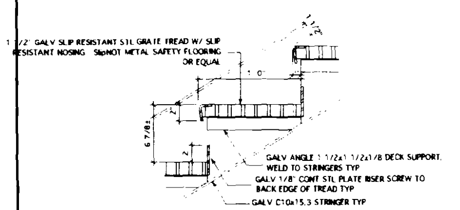
THIS DETAIL INCLUDED FOR CONTRACTOR FEFERENCE ONLY. WORK IS BY OTHERS.



3 / A-401 — STAIR & RAMP RAIL DETAIL
Scale: 1 1/2" = 1'-0"

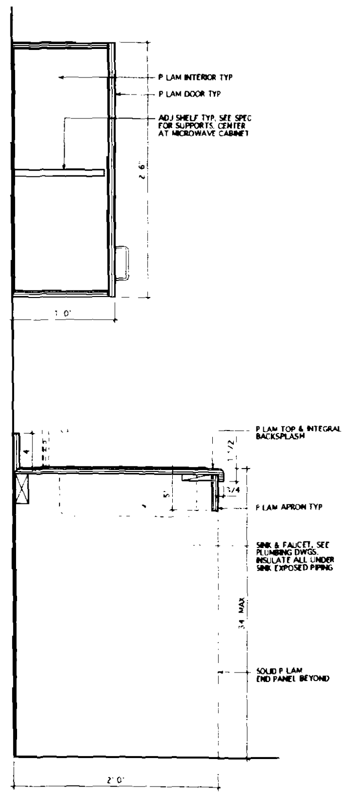


6 / A-401 — CONNECTION DETAIL @ DOCK WALL
Scale: 1 1/2" = 1'-0"



4 / A-401 — TREAD/NOSING DETAIL
Scale: 1 1/2" = 1'-0"

NOTE: USE AWI STANDARDS FOR ALL SHELF THICKNESSES AND APPROPRIATE CORE MATERIAL TYP



7 / A-401 — SINK BASE CABINET
Scale: 1 1/2" = 1'-0"

NOTE: USE AWI STANDARDS FOR ALL SHELF THICKNESSES AND APPROPRIATE CORE MATERIAL TYP

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Engineering Excellence Since 1998

REFERENCES:

LDD PROJECT NAME: XXXX	DESIGNED BY: X. XXXXXXX
	DRAWN BY: X. XXXXXXX
DRAWING NAME: City of Portland Titleblock 30x42.dwg	CHECKED BY: X. XXXXXXX
FIELD BOOK USED: XXXX	SCALE: AS NOTED
	DATE: 7-30-09

PORTLAND FISH EXCHANGE

DETAILS

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET # 7 OF 7

VAULT PLAN NUMBER A-401

PIPE ELBOW TURNED DN
PIPE ELBOW TURNED UP
PIPING TEE DOWN
PIPING TEE UP
PIPE RISER
45° ELBOW DOWN
PIPING TO BE REMOVED
CAPPED PIPING
CAPPED BELOW FINISHED FLOOR
CONCENTRIC REDUCER
ECCENTRIC REDUCER
DIRECTION OF FLOW
PIPING PITCHES DOWN
PIPE GUIDE
EXPANSION JOINT
PIPE ANCHOR
UNION
FLANGED CONNECTION
BACKFLOW PREVENTER
FLEXIBLE CONNECTION
SHUT-OFF/ISOLATION VALVE REFER TO SPECIFICATIONS
GATE VALVE - OUTSIDE SCREW & YOKE (OS&Y)

GLOBE VALVE
LOCKABLE BALL VALVE
PLUG VALVE
2 WAY CONTROL VALVE
3 WAY CONTROL VALVE
LOCK & SHIELD VALVE
CHECK VALVE
BALANCING VALVE (CIRCUIT SETTER)
AIR VENT - REFER TO SPECIFICATIONS
STRAINER WITH BLOWDOWN VALVE AND CAP
EXPANSION VALVE (AUTOMATIC)
RELIEF/SAFETY VALVE
PRESSURE GAUGE WITH COCK
SIGHT GLASS
PRESSURE REDUCING VALVE
FLOW SWITCH
SELF-CONTAINED TEMP. CONTROL VALVE WITH REMOTE SENSOR

STEAM TRAP (FLOAT & THERMOSTATIC INDICATED T.T. = THERMOSTATIC TRAP, B.T. = BUCKET TRAP)
PUMP - POINT OF TRIANGLE INDICATES DIRECTION OF FLOW
GAS SHUT-OFF VALVE
HOSE END DRAIN VALVE W/CAP
TEMPERATURE/PRESSURE TAP (PETE'S PLUG)
THERMOMETER WITH COCK
SOLENOID VALVE
ORIFICE FLOWMETER
DIFFERENTIAL PRESSURE TRANSMITTER
HUMIDIFIER (DUCT/AHU MOUNTED)
FINNED TUBE BASEBOARD
HOSE BIB/WALL HYDRANT
FLOOR CLEANOUT
FUSIBLE LINK VALVE
WALL CLEANOUT
AQUASTAT

EXPANSION LOOP
EXPANSION LOOP (BRAIDED/MANUFACTURED)
FLOOR DRAIN
SHOCK ABSORBER (WATER HAMMER ARRESTER)
FIRE DEPARTMENT CONNECTION
FREE STANDING FIRE DEPARTMENT CONNECTION
WATER GONG
DUCTWORK - FIRST DIMENSION IS SIDE SHOWN IN INCHES S= SUPPLY, R= RETURN, E= EXHAUST, OA= OUTSIDE AIR F.O. = FLAT OVAL
ACOUSTICAL LINING (DUCT DIMENSION FOR NET FREE AREA)
DUCTWORK TO BE REMOVED
SINGLE LINE DUCTWORK TO BE REMOVED
DUCT TRANSITION
SQUARE TO ROUND TRANSITION
FLEX DUCT - DOUBLE LINE
FLEX DUCT - SINGLE LINE

CHANGE IN ELEVATION (UP/DOWN, RISE OR DROP)
SUPPLY DUCT TURNED UP/DN
RETURN DUCT TURNED UP/DN
EXHAUST DUCT TURNED UP/DN
ROUND DUCT TURNED UP/DN
MITERED DUCT ELBOW W/TURNING VANES
RADIUS DUCT ELBOW
DUCT/PIPE CAP (SINGLE/DOUBLE LINE)
VOLUME DAMPER
FIRE DAMPER
SMOKE DAMPER
FIRE AND SMOKE DAMPER
BACKDRAFT DAMPER

MOTORIZED DAMPER
FLEXIBLE CONNECTION
TEMPERATURE SENSOR OR THERMOSTAT (AS SPECIFIED)
HUMIDISTAT OR HUMIDITY SENSOR (AS SPECIFIED)
CARBON DIOXIDE SENSOR
CARBON MONOXIDE SENSOR
ACCESS PANEL
DUCT SMOKE DETECTOR
ROOFTOP EXHAUST FAN
ROOFTOP SUPPLY FAN
CEILING DIFFUSER - 4-WAY BLOW
CEILING DIFFUSER - 3-WAY BLOW
CEILING DIFFUSER - 2-WAY BLOW
CEILING DIFFUSER - CORNER BLOW
CEILING RETURN GRILLE
CEILING EXHAUST GRILLE
POINT OF CONNECTION EXISTING TO NEW
DIRECTION OF AIR FLOW

R, G & D TAG: DIFFUSER, REGISTER OR GRILLE No. / QUANTITY / CFM AIR FLOW
FINTUBE TAG: FINTUBE No. / LENGTH / GPM
VAV TAG: VAV No. / MINIMUM CFM / MAXIMUM CFM / GPM
EQUIPMENT TAG: TYPE DESIGNATOR / NUMBER
EQUIPMENT TAG (ON FLOOR/ROOF ABOVE): TYPE DESIGNATOR / NUMBER
DETAIL No. / DETAIL REFERENCE SYMBOL / SHEET DETAIL LOCATED ON
SECTION No. / SECTION REFERENCE SYMBOL / SHEET SECTION LOCATED ON

SYMBOLS LEGEND
Scale: NONE

AW	ACID WASTE
ATV	AIR RELIEF
BBD	BOILER BLOWDOWN
C	CONDENSATE (HVAC DRAIN PAN)
C	CONDENSATE (HVAC DRAIN PAN - BELOW FLOOR)
CA	COMPRESSED AIR
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC WATER RECIRC.
D	DRAIN
FM	PUMP FORCE MAIN
FOF	FUEL OIL FILL
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL TANK VENT
FW	FEEDWATER
GR	GLYCOL RETURN
GS	GLYCOL SUPPLY
H	HUMIDIFICATION LINE
H2	HYDROGEN GAS
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
HPC	HIGH-PRESSURE CONDENSATE
HPS	HIGH-PRESSURE STEAM
HTWR	HIGH-TEMP. HOT WATER RETURN
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IND	INDUSTRIAL WASTE
IW	INDIRECT WASTE
LN	LIQUID NITROGEN
LOX	LIQUID OXYGEN
LPC	LOW-PRESSURE CONDENSATE
LP	LIQUID PETROLEUM GAS
LPR	LOW-PRESSURE CONDENSATE
LPS	LOW-PRESSURE STEAM
MA	MEDICAL AIR
MPR	MEDIUM-PRESSURE CONDENSATE
MPS	MEDIUM-PRESSURE STEAM
MU	MAKEUP WATER
N2	NITROGEN
NG	NATURAL GAS
NO	NITROUS OXIDE
NPW	NON-POTABLE WATER
OX	OXYGEN
PC	PUMPED CONDENSATE
PCWR	PROCESSED COLD WATER RETURN
PCWS	PROCESSED COLD WATER SUPPLY
RD	REFRIGERANT DISCHARGE
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RW	RAIN WATER ABOVE FLOOR
RW	RAIN WATER BELOW GRADE
	SANITARY SOIL WASTE (ABOVE FLOOR)
	SANITARY SOIL WASTE (BELOW FLOOR)
	SANITARY SOIL VENT (ABOVE FLOOR)
	SANITARY SOIL VENT (BELOW FLOOR)
SV	SANITARY WASTE & VENT COMBINATION
SP	SPRINKLER MAIN PIPING
SWR	SOLAR WATER RETURN
SWS	SOLAR WATER SUPPLY
TP	TRAP PRIMER PIPING ABOVE GRADE
TP	TRAP PRIMER PIPING BELOW GRADE
TWR	TEMPERED RETURN WATER
TWS	TEMPERED SUPPLY WATER
VAC	VACUUM (AIR)
VC	VACUUM CLEANING (HOUSE)
VPD	VACUUM PUMP DISCHARGE

PIPING LINETYPE LEGEND
Scale: NONE

AAV	AUTOMATIC AIR VENT
AC	ABOVE CEILING
ACC	AIR COOLED CONDENSER
ACU	AIR CONDITIONING UNIT
ADA	AMERICANS WITH DISABILITIES ACT
AD	ACCESS DOOR
AE	ACID EXHAUST
AW	ACID WASTE
AFF; A.F.F.	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
APPROX	APPROXIMATE; APPROXIMATELY
APMR	AS PER MFR'S RECOMMENDATIONS
ATC	AUTOMATIC TEMPERATURE CONTROL
AV	AIR VENT
BC	BALANCING COCK
BDD	BACKDRAFT DAMPER
BG	BLAST GATE
BF	BARRIER FREE
BFP	BACKFLOW PREVENTER
BHP	BRAKE HORSEPOWER
BLDG	BUILDING
BOD	BOTTOM OF DUCT
B.T.U.	BRITISH THERMAL UNIT
C; CONV.	CONVECTOR
CCW	COUNTER CLOCKWISE
CFF	CAPPED FOR FUTURE
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CO	CLEANOUT
CM	CONSTRUCTION MANAGER
CNTR	COUNTER; COUNTERTOP
CONN	CONNECT; CONNECTION
CONT	CONTINUE; CONTINUATION
COORD	COORDINATE
CORR	CORRIDOR
CR	CHEMICAL RESISTING
CT	COOLING TOWER
CTE	CONNECT TO EXISTING
CTR	CENTER
CTRLN	CENTERLINE
CU	COPPER
CUH	CABINET UNIT HEATER
C.V.	CONTROL VALVE
CW	COLD WATER/CLOCKWISE
DB	DRY BULB TEMPERATURE, °F
DC	DOUBLE CONTAINED
DDC	DIRECT DIGITAL CONTROL
DET	DETAIL
DIA	DIAMETER
DIC	DOWN IN CHASE
DIW	DOWN IN WALL
DN	DOWN
DS	DOWNSPOUT
DT	DROP AND TRANSITION
DV	DRAIN VALVE
DWG	DRAWING
EA	EXHAUST AIR
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ELEV	ELEVATION
ELONG	ELONGATE
ENC	ENCLOSURE
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
(E)	EXISTING
F & T	FLOAT AND THERMOSTATIC
FBO	FURNISHED BY OTHERS
FBP	FAGE AND BYPASS
FC	FLEXIBLE CONNECTION
FCO	FLOOR CLEANOUT
FD-#	FLOOR DRAIN TAG
FD	FIRE DAMPER
FIN	FINISH
FL	FLOOR
FTG	FOOTING
FTR	FINNED TUBE RADIATION
FS	FLOW SWITCH
FM	FORCE MAIN
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE;
GV	GRAVITY VENTILATOR
H	HUMIDIFIER
HB	HOSE BIB
HC; HDC	HANDICAP ACCESS
HGT, HT.	HEIGHT
HP	HEAT PUMP
HRU	HEAT RECOVERY UNIT
HTR	HEATER
H & V	HEATING AND VENTILATION
HVAC	HEATING, VENTILATING, & AIR COND.
HW	HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HX	HEAT EXCHANGER
ID	INSIDE DIAMETER
IN WG	INCHES WATER GAUGE
INCL	INCLUDING
INV EL	INVERT ELEVATION
IPS	IRON PIPE SIZE
KE-#	KITCHEN EQUIPMENT NUMBER
LD	LINEAR DIFFUSER
LE-#	SCIENCE LAB EQUIPMENT NUMBER
LP	LIQUID PETROLEUM GAS
LPR	LOW PRESSURE STEAM RETURN
LPS	LOW PRESSURE STEAM SUPPLY
MAX	MAXIMUM
MBH	1000 BTU/HR.
MFR	MANUFACTURER
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
MPG	MEDIUM PRESSURE GAS
MPV	MULTI-PURPOSE VALVE
MTD	MOUNTED
MTG	MOUNTING
MUA	MAKE UP AIR
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
NIC	NOT IN CONTRACT
NPT	NATIONAL PIPE THREAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OD	OUTSIDE DIAMETER
OED	OPEN ENDED DUCT
P-#	PLUMBING FIXTURE TAG
PD	PUMPED DISCHARGE
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE
RA	RETURN AIR
RD	ROOF DRAIN
REC	RECOMMENDATION
REG	REGULAR
RF	RETURN FAN
RG	RETURN GRILLE
RHC	REHEAT COIL
RM	ROOM
RPZ	REDUCED PRESSURE BFP
RR	RETURN REGISTER
RV	RELIEF VALVE
RW	RAIN WATER
S	SUPPLY AIR
SA**	SHOCK ABSORBER OF PDI SIZE (" ") AS INDICATED
SCV	SELF CONTAINED VALVE
SD	SMOKE DAMPER
SF	SUPPLY FAN
SG	SUPPLY GRILLE
SGL	SINGLE
SHT	SHEET
SPLR	SPRINKLER
SQ.FT; S. F.	SQUARE FEET
SR	SUPPLY REGISTER
S/O	SHUT OFF
S.S.	STAINLESS STEEL
TD	TRENCH DRAIN
TG	TRANSFER GRILLE
TOD	TOP OF DUCT
TP	TRAP PRIMER
TSP	TOTAL STATIC PRESSURE
TTS	TIGHT TO STEEL
TV	TURNING VANE
TW	TEMPERED WATER
TYP	TYPICAL
UH	UNIT HEATER
UIC	UP IN CHASE
UIW	UP IN WALL
UV	UNIT VENTILATOR
V	VENT
VAC	VACUUM
VB	VACUUM BREAKER
VOFF	VALVE & CAP FOR FUTURE
VD	VOLUME DAMPER - MANUAL
VLV	VALVE
VS	VENT STACK
VTR	VENT THROUGH ROOF
W	WASTE
W/	WITH
WB	WET BULB TEMPERATURE, °F
WCO	WALL CLEANOUT
WH	WATER HEATER
WHYD	WALL HYDRANT
NTS	NOT TO SCALE
Ø	DIAMETER
@	AT
&	AND
%	PERCENT

ABBREVIATIONS
Scale: NONE

NOTE
ALL GENERAL NOTES, SYMBOL LEGENDS, AND DETAILS ARE TO BE CONSIDERED AS APPLICABLE TO ALL PLUMBING AND HVAC DRAWINGS FOR THIS PROJECT. SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY AND DO NOT INDICATE THEIR INCORPORATION INTO THE DESIGN.

GENERAL NOTES
Scale: NONE

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REFERENCES:

LDC PROJECT NAME: XXXX
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FIELD BOOK USED: XXXX
DESIGNED BY: MM
DRAWN BY: MW
CHECKED BY: MM
SCALE: AS NOTED
DATE: 07-30-2009

STATE OF MAINE — MARK A. MACDONALD No. 6885 — LICENSED PROFESSIONAL ENGINEER

PORTLAND FISH EXCHANGE
PLUMBING AND HVAC
NOTES, LEGEND AND ABBREVIATIONS

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET # OF
VAULT PLAN NUMBER
P-000

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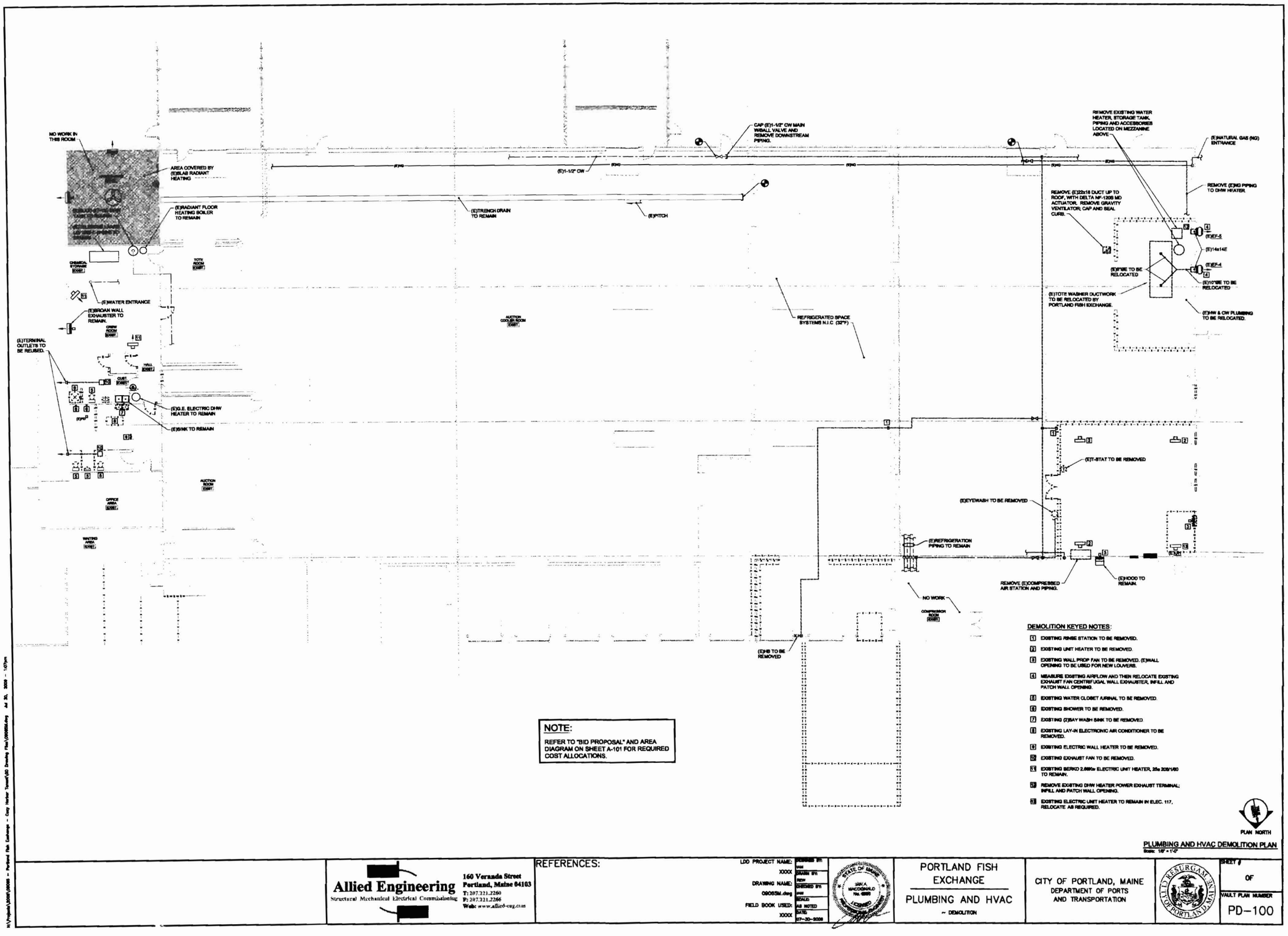

NOTE:

REFER TO "BID PROPOSAL" AND AREA DIAGRAM ON SHEET A-101 FOR REQUIRED COST ALLOCATIONS.

DEMOLITION KEYED NOTES:

1. EXISTING RINSE STATION TO BE REMOVED.
2. EXISTING UNIT HEATER TO BE REMOVED.
3. EXISTING WALL PROP FAN TO BE REMOVED. (E)WALL OPENING TO BE USED FOR NEW LOUVERS.
4. MEASURE EXISTING AIRFLOW AND THEN RELOCATE EXISTING EXHAUST FAN CENTRIFUGAL WALL EXHAUSTER, INFILL AND PATCH WALL OPENING.
5. EXISTING WATER CLOSET /URINAL TO BE REMOVED.
6. EXISTING SHOWER TO BE REMOVED.
7. EXISTING (2)BAY WASH SINK TO BE REMOVED.
8. EXISTING LAY-IN ELECTRONIC AIR CONDITIONER TO BE REMOVED.
9. EXISTING ELECTRIC WALL HEATER TO BE REMOVED.
10. EXISTING EXHAUST FAN TO BE REMOVED.
11. EXISTING BERKO 2.6KW ELECTRIC UNIT HEATER, 25a 208/1/60 TO REMAIN.
12. REMOVE EXISTING DHW HEATER POWER EXHAUST TERMINAL; INFILL AND PATCH WALL OPENING.
13. EXISTING ELECTRIC UNIT HEATER TO REMAIN IN ELEC. 117, RELOCATE AS REQUIRED.

PLAN NORTH

PLUMBING AND HVAC DEMOLITION PLAN

Scale: 1/8" = 1'-0"

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REFERENCES:

LDD PROJECT NAME: XXXX
DRAWING NAME: 080858d.dwg
FIELD BOOK USED: XXXX
DRAWN BY: MM
DESIGN BY: BBW
CHECKED BY: MM
SCALE: AS NOTED
DATE: 07-30-2008

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PORTLAND FISH EXCHANGE

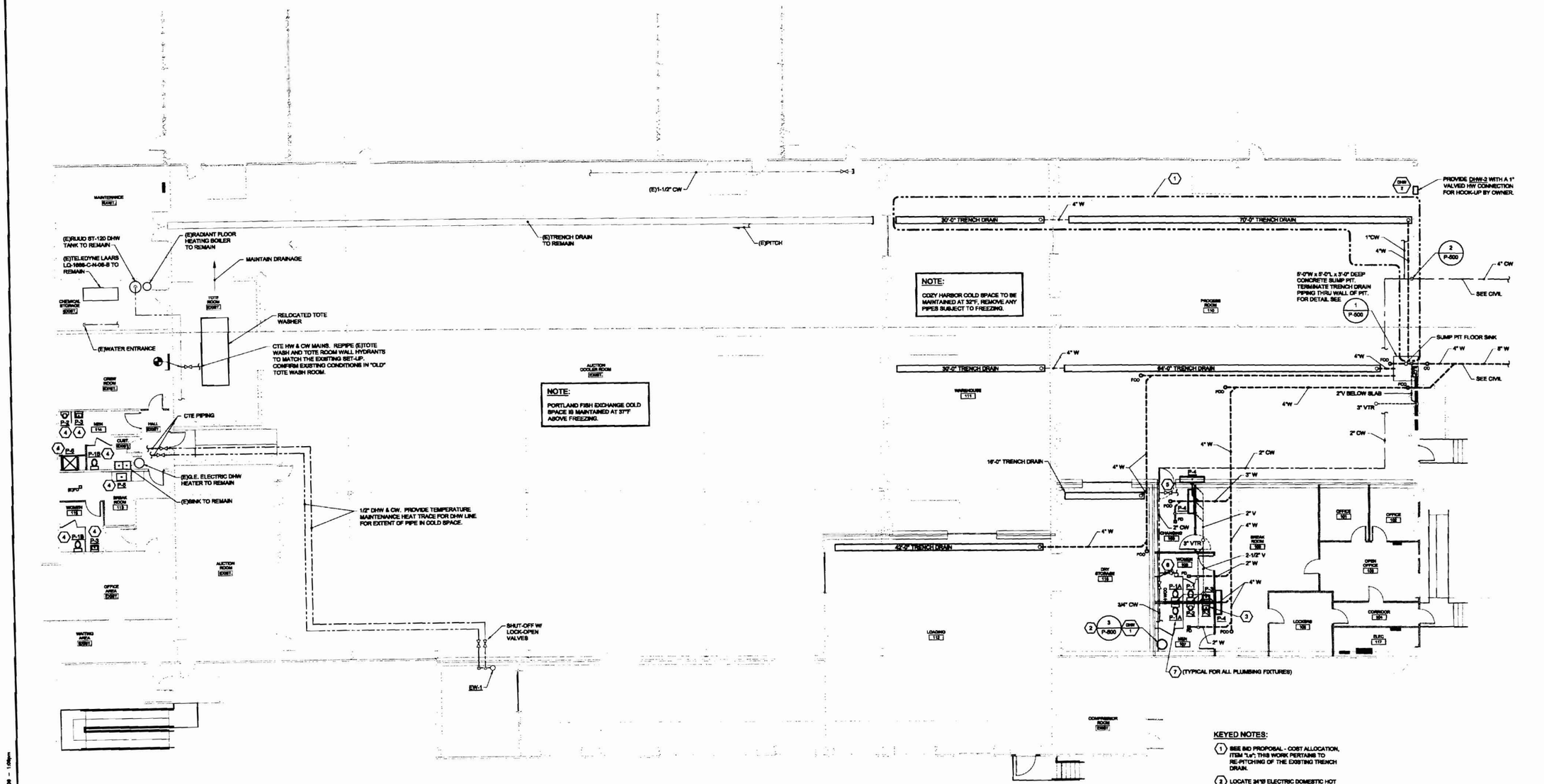
PLUMBING AND HVAC

~ DEMOLITION

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET # OF

VAULT PLAN NUMBER
PD-100



KEYED NOTES:

1. SEE BID PROPOSAL - COST ALLOCATION, ITEM "Le"; THIS WORK PERTAINS TO RE-PITCHING OF THE EXISTING TRENCH DRAIN.
2. LOCATE 34"Ø ELECTRIC DOMESTIC HOT WATER HEATER (DHW) ABOVE THE MENS ROOM CEILING.
3. PROVIDE HOSE BIBB BELOW LAV.
4. PROVIDE FIXTURE AND PIPING. CTE PLUMBING IN ACCORDANCE WITH THE MAINE STATE PLUMBING CODE.
5. 1" CW & HW TO (2)P-4.
6. 2" CW TO BATHROOM GROUP.
7. PROVIDE PLUMBING FIXTURE SANITARY, VENT, CW AND HW PIPING PER MAINE STATE PLUMBING CODE.

PLAN NORTH

PLUMBING PLAN
Scale: 1/8" = 1'-0"

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REFERENCES:

LDD PROJECT NAME: XXXX
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DESIGNED BY: MM
DRAWN BY: MM
REVIEWED BY: MM
SCALE: AS NOTED
DATE: 07-30-2008

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PORTLAND FISH EXCHANGE
PLUMBING PLAN

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET # OF
VAULT PLAN NUMBER
P–100

REGISTERS - GRILLES - DIFFUSERS (RGD) SCHEDULE

TAG	PRICE MODEL	TYPE	NECK SIZE	FACE SIZE	CFM RANGE	MAX TOTAL P.D. (IN W.C.)	MAX NC LEVEL	BORDER TYPE	NOTES
S-1	ASCDA	ALUM. SQ. CEILING SUPPLY DIFFUSER	6" DIA.	24" X 24"	0-150	0.07"	16	LAY-IN	
S-2	ASCDA	ALUM. SQ. CEILING SUPPLY DIFFUSER	8" DIA.	24" X 24"	151-275	0.07"	19	LAY-IN	
S-3	620D	ALUM. DOUBLE DEFL. SUPPLY REGISTER	24" X 12"	24" X 12"	900-1200	0.07"	26	DUCT MT.	
R-1	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	8" X 8"	8" X 8"	0-170	0.05"	23	LAY-IN	
R-2	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	12" X 12"	12" X 12"	171-440	0.06"	27	LAY-IN	
R-3	630	ALUM. RETURN GRILLE, 3/4" SPACING, 35 DEG VANES	22" X 10"	22" X 10"	140-560	0.05"	27	LAY-IN	
R-4	510Z	STEEL RETURN REGISTER, 3/4" SPACING, 0 DEG VANES	46" X 22"	46" X 22"	1901-4000	0.05"	24	LAY-IN	DAMPER

INSTANTANEOUS GAS DHW HEATER SCHEDULE

TAG	DHW-2
TYPE	INSTANTANEOUS
MANUFACTURER	NORITZ
MODEL	N-157HA-ASME
LOCATION	INDOOR WALL HUNG
APPROVALS	CSA, UPC, NSF, ASME, Low NOx Approved By SCAQMD
MIN MBH	22,500
MAX MBH	380,000
THERMAL EFFICIENCY	80%
CAPACITY RANGE	0.7 TO 13.2 GPM
CAPACITY AT 45F RISE	13.2 GPM
CAPACITY AT 90F RISE	6.9 GPM
NATURAL GAS SUPPLY	5" WC TO 10.5" WC, PROVIDE REGULATOR
GAS PIPE INLET SIZE	3/4"
CW & HW PIPE CONN. SIZES	1"
VENT	5" DIA
DIMENSIONS	29.5" H X 19"W X 12"D
ELECTRICAL DRAW	13W
ELECTRICAL	120-1-60

FAN SCHEDULE

TAG	SERVES	MANUFACTURER/MODEL	TYPE	DRIVE	CFM	SP (IN WC)	MOTOR HP	DISC SWITCH FURN BY	VOLTS/ PH	MAX SONES	WEIGHT (LBS.)	DAMPER	CONTROL	NOTES
EF-1	WOMEN - PFE	COOK GC-144	CEILING EXHAUSTER	DIRECT	120	0.25"	90W	NOTE 2		2.8	15	BOD	WIRE TO LIGHT SWITCH	1, 2, 5
EF-2	MEN - PFE	COOK GC-144	CEILING EXHAUSTER	DIRECT	120	0.25"	90W	NOTE 2		2.8	15	BOD	WIRE TO LIGHT SWITCH	1, 2, 5
EF-3	PALLET LIFT CHARGER	COOK SWD-12S15D	WALL PROP.	DIRECT	330	0.10"	1/8	FAN MFR.		4.1	44	MD	HYDROGEN DETECTOR AND WALL SWITCH	3, 5
EF-4	TOTE WASHER	(E) GREENHECK GWB-14-UNDG-00 S.N. 98A02506	CENTRIFUGAL SPUN ALUM WALL EXHAUSTER	?	?	?	NOTE 4	RELOCATE EXISTING	NOTE 4	?	?	RELOCATE EXISTING BOD	RELOCATE AND RECONNECT EXISTING	4, 6
EF-5	TOTE WASHER ROOM	(E) GREENHECK GWB-14-UNDG-00 S.N. 98A02506	CENTRIFUGAL SPUN ALUM WALL EXHAUSTER	?	?	?	NOTE 4	RELOCATE EXISTING	NOTE 4	?	?	RELOCATE EXISTING BOD	RELOCATE AND RECONNECT EXISTING	4, 6

NOTES:
1. HANG EF WITH VIB. ISOLATORS.
2. DISCONNECT RECEPTACLE FURNISHED WITH FAN.
3. EF SHALL START AND MD SHALL OPEN WHEN LIGHT SWITCH OR HYDROGEN DETECTOR ACTIVATES.
4. CONFIRM EXISTING ELECTRICAL POWER AND CONFIRM WITH ELECTRICAL CONTRACTOR. HP IS IN THE 1/2 HP RANGE.
5. PROVIDE FAN SPEED CONTROL. MOUNT ADJACENT TO FAN.
6. TAB EXHAUST FAN CFM PRIOR TO RELOCATION.

SPLIT FURNACE-DX SCHEDULE

INDOOR UNIT:	FU-1
MANUFACTURER	TRANE
DESCRIPTION	Condensing Gas Furnace
MODEL	TUH1B060A9361A
AIRFLOW, cfm	970
ESP, in wc	0.5
HP	1/3
HEATING CAPACITY	
FUEL	NAT GAS
NAT GAS INPUT (MBH)	60
NAT GAS OUTPUT (MBH)	57
FILTERS	17" X 25"
COOLING COIL	
TYPE/MODEL	TRANE 4TXC
CAPACITY	2.5 TONS
REFRIGERANT TYPE	R410A
REFRIGERANT CONTROL	NON-BLEED TXV
DRAIN CONNECTION	3/4"
LINE SIZE: GAS	3/4"
LINE SIZE: LIQUID	3/8"
FURNACE ELECTRICAL	
VOLTAGE/PHASE	115-1-60
MINIMUM CIRCUIT AMPS	9.2A
MAX OVERCURRENT PROTECTION	15A
CONDENSING UNIT (OUTDOOR):	CU-1
MANUFACTURER	TRANE
MODEL	4TTB4030E1
TONS	2.5 TONS
WEIGHT	250 LBS
VOLTAGE/PHASE	208/230-1-60
MCA	12
MAX FUSE SIZE	20
REFRIGERANT TYPE	R410A

PACKAGED ENERGY RECOVERY DEHUMIDIFICATION UNIT

PHYSICAL DATA					SUPPLY FAN						RETURN FAN						ELECTRICAL	HEAT PIPE (WINTER AT MBH 60/57.6) (* W/ FROST CONTROL)				INDIRECT GAS-FIRED HEATER				
								MOTOR						MOTOR											
UNIT	SERVES	MFR/MODEL	DIMENSIONS (NOTE 2)	WEIGHT	SCFM	ESP	TSP	HP	VOLTS	PHASE	SCFM	ESP	TSP	HP	VOLTS	PHASE	COORDINATION	UNIT MCA	OA TEMP	RA TEMP	SA TEMP	EA TEMP	INPUT MBH	OUTPUT MBH	FUEL	EAT	LAT
RTU-1	PROCESS AREA	ANNEXAIR	102"H x 98"W x 198"L	5,700 LBS.	5,500	0.75"	2.8"	5	460	3	5,500	0.50"	2.5"	5	460	3	SEE NOTE 3	20A	-10	65	61	38, SEE NOTE 5	186	140	NAT GAS	61.6	85

NOTES: 1. DOWNFLOW SUPPLY AND EXHAUST
2. PROVIDE 24" HIGH, INSULATED, 16GA CURB (ADD TO UNIT FOR OVERALL HEIGHT)
3. SINGLE POINT ELECTRICAL CONNECTION. DISCONNECT SWITCHES, VFDS FOR MOTORS, CONTROL TRANSFORMERS, AND 120V SERVICE RECEPTACLE BY HRU MANUFACTURER
4. INTEGRAL CONTROLS PROVIDED WITH THE UNIT
5. HEAT PIPE PROVIDED WITH BOTH SUPPLY AND EXHAUST BYPASS DAMPERS AND FROST CONTROL TO MAINTAIN EA 38DEG MIN

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	BRANCH SIZES			
		CW	HW	VENT	WASTE
P-1	WATER CLOSET: SENSOR FLUSH VALVE, FLOOR MOUNT	1"	----	2"	3"
P-1A	WATER CLOSET: SENSOR FLUSH VALVE, FLOOR MOUNT ADA	1"	----	2"	3"
P-1B	WATER CLOSET: TANK TYPE	1/2"	----	2"	3"
P-2	URINAL: SENSOR FLUSH VALVE	3/4"	----	1 1/2"	2"
P-3	LAVATORY, WALL MOUNT SENSOR FAUCET	1/2"	1/2"	1 1/2"	1 1/2"
P-4	3-BAY WASH STATION: 3 SENSOR FAUCETS	1/2"	1/2"	1 1/2"	1 1/2"
P-5	KITCHEN SINK	1/2"	1/2"	1 1/2"	2"
P-6	SHOWER	1/2"	1/2"	1 1/2"	2"
EW-1	EMERGENCY EYE/FACE WASH - WALL RECESSED	1/2"	1/2"	1 1/2"	1 1/2"
FD	FLOOR DRAIN	----	----	1 1/2"	2"
TD	TRENCH DRAIN	----	----	----	4"

UL APPROVED ELECTRIC HEATER SCHEDULE

TAG	QMARK MODEL	TYPE	COVER & BRACKETS	VOLTS	PHASE	WATTS	AMPS	BTUH	LENGTH	WEIGHT (LBS.)
EH-1	QMKC2574W	COMMERCIAL BASEBOARD	18-GAUGE GALV STEEL	277	1	1000	3.6	5118	4 FT	9
EH-2	QMKC2574W	COMMERCIAL BASEBOARD	18-GAUGE GALV STEEL	277	1	1000	3.6	5118	4 FT	9
EH-3	QMKC2574W	COMMERCIAL BASEBOARD	18-GAUGE GALV STEEL	277	1	1000	3.6	5118	4 FT	9
EH-4	QMKC2574W	COMMERCIAL BASEBOARD	18-GAUGE GALV STEEL	277	1	1000	3.6	5118	4 FT	9
EH-5	QMKC2574W	COMMERCIAL BASEBOARD	18-GAUGE GALV STEEL	277	1	1000	3.6	5118	4 FT	9

NOTES:
1. CONFIRM AVAILABLE LENGTH PRIOR TO ORDERING
2. THERE IS NO SPEC SECTION FOR THIS EQUIPMENT
3. PROVIDE THERMAL CUTOUT
4. PROVIDE WALL THERMOSTAT
5. BAKED ENAMEL FINISH
6. QMARK OR EQUAL

ENERGY RECOVERY UNIT SCHEDULE

GENERAL	TAG	ERU-1
	SERVES	OFFICE BREAK AREA
	LOCATION	ABOVE LAY-IN CLG.
	TYPE	FIXED PLATE ENTHALPIC
	MFR.	Renewaire
	MODEL	EV4508N
	WEIGHT	150 LBS
FILTER SECTION	FILTERS	2" 30% ETF
FANS	TYPE	FC
	SUPPLY AIRFLOW, cfm	400
	ESP, in wc	0.65"
	RETURN AIRFLOW, cfm	400
	ESP, in wc	0.60"
	MOTOR	COMMON TO SF AND EF
	HP	0.5
OVERALL DIMENSIONS	LENGTH	45"
	WIDTH	16"
	HEIGHT	32"
	OPERATING WEIGHT, lbs	700
HEAT RECOVERY CORE	SUMMER OA DB/WB	88 / 72
	WINTER OA DB	7
	SUMMER SA DB/WB	79.2 / 69.2
	WINTER SA DB - TO FURNACES	45.6
	SENSIBLE EFFECTIVENESS	68.0%
	SUMMER ENTHALPY EFF.	66.0%
	WINTER ENTHALPY EFF.	63.0%
	FROST CONTROL	NONE REQUIRED
ELECTRICAL DATA	V/PH/HZ	115/1/60
	UNIT FLA	7.0
	SUPPLY AND RETURN SMOKE DETECTORS	NO

NOTES:
1. RE-ORIENT ERU TO FIT BETWEEN JOISTS IF REQUIRED.
2. CONTROL ERU DIGITAL TIME CLOCK SHALL START/STOP ERU. ERU SHALL START AFTER OUTSIDE AIR MD OPENS. PROVIDE MD END SWITCH.

NATURAL GAS FIRED HEATER SCHEDULE

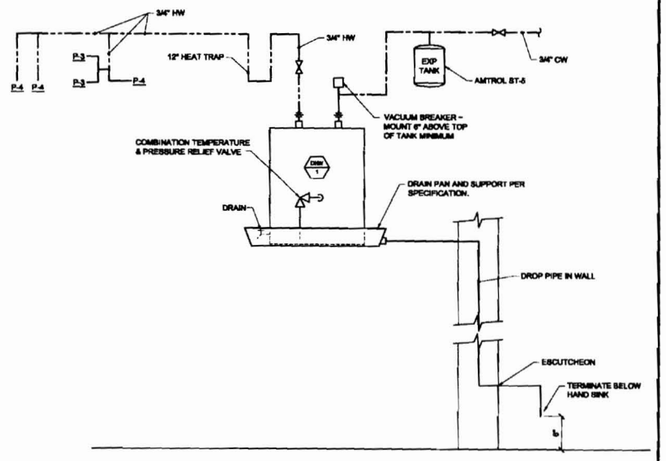
TAG	MFR. MODEL	SIZE	TYPE	EXPOSED FACE DIM.	EXPOSED DEPTH DIM.	INPUT MBH	OUPUT MBH	VENT & COMB-AIR SIZE	GAS CONN. SIZE	CFM	EAT (deg F)	LAT (deg F)	MOTOR HP	ELECT.	NOTES
UH-1	TRANE GAND	10	SEALED COMBUSTION UNIT HEATER	18" W X 34"	39"	100.0	80	4"	1/2"	1,480	55	105	1/20	115-1-60	1, 2
UH-2	TRANE GAND	10	NAT. GAS FIRED UH	18" W X 34"	39"	100.0	80	4"	1/2"	1,480	55	105	1/20	115-1-60	1, 2
UH-3	TRANE GAND	10	NAT. GAS FIRED UH	18" W X 34"	39"	100.0	80	4"	1/2"	1,480	55	105	1/20	115-1-60	1, 2
MUA-1	TRANE DFDA	109	DIRECT FIRED ROOFTOP MUA			275.0	225		1"	1,600	10	60	1	460-3-60	2, 3, 4

NOTES:
1. PROVIDE SINGLE STAGE CONTROL AND WALL THERMOSTAT, SET 68F
2. PROVIDE STAINLESS HEAT EXCHANGER AND BURNER
3. INTAKE HOOD/BIRD SCREEN, FILTER, MIXING BOX, BOTTOM DISCHARGE
4. ASSUMED OFM CAPACITY HEATER TO ET. SCHEDULE TAB EXISTING EFS. CONFIRM EXHAUST AIRFLOW. MUA-1 SHALL BE SIZED AT EF FLOW +10%. CONFIRM SIZE PRIOR TO ORDERING.

ELECTRIC DHW HEATER SCHEDULE

TAG	SERVES	MANUFACTURER	MODEL	VOLTS	PHASE	HEAT INPUT (KW)	GPH RECOVERY	TEMP RISE (DEG F)	WATER STORAGE (GAL)	MAX HEIGHT (INCHES)	MAX DIAMETER (INCHES)
DHW-1	BATHROOMS	BRADFORD WHITE	LD-50L3-3	480	3	8	30	80	50	33.2	24

PLUMBING AND HVAC SCHEDULES
Scale: NONE

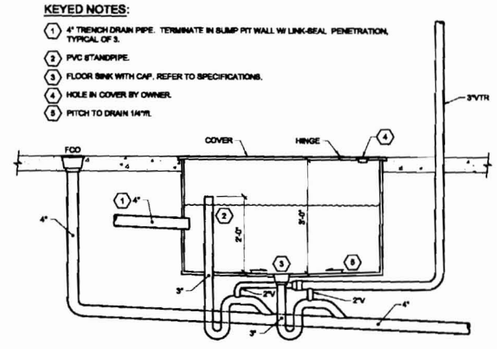


3 DETAIL - TANK TYPE WATER HEATER
Scale: NOT TO SCALE

2 DETAIL - WATER ENTRANCE
Scale: NOT TO SCALE

KEYED NOTES:

1. 4" TRENCH DRAIN PIPE. TERMINATE IN SUMP PIT WALL W/ LINK-SEAL PENETRATION, TYPICAL OF 3.
2. PVC 6"ANDPIPE.
3. FLOOR SINK WITH CAP. REFER TO SPECIFICATIONS.
4. HOLE IN COVER BY OWNER.
5. PITCH TO DRAIN 1/4"/FT.



1 DETAIL - DRAIN PIT
Scale: NOT TO SCALE

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REFERENCES:

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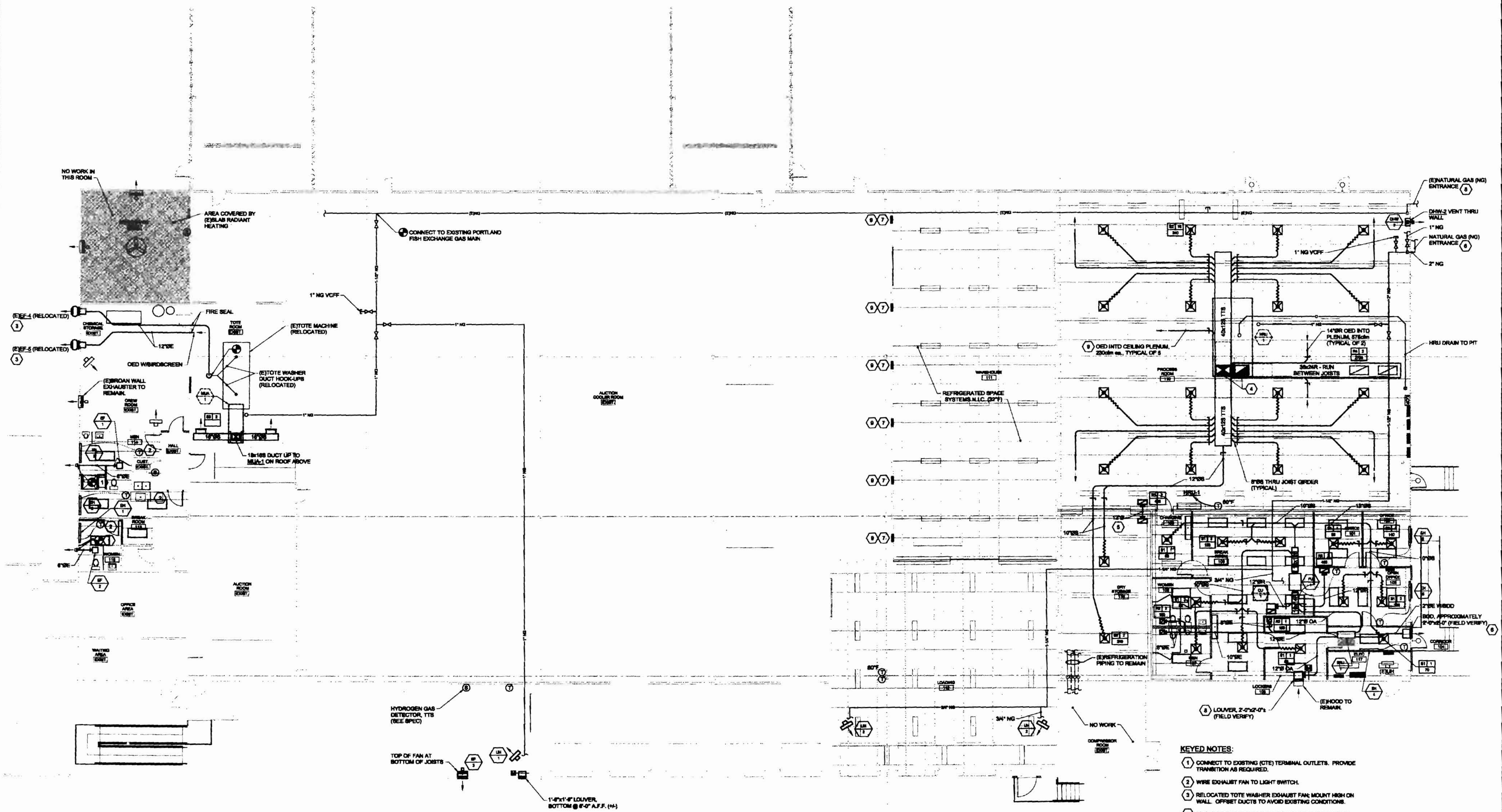
MIN A. MACDONALD No. 9566 LICENSED PROFESSIONAL ENGINEER STATE OF MAINE

PORTLAND FISH EXCHANGE
PLUMBING AND HVAC
- SCHEDULES AND DETAILS

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

RESURGAM CITY OF PORTLAND MAINE

SHEET #
OF
VAULT PLAN NUMBER
P-500



NO WORK IN THIS ROOM
AREA COVERED BY (E)SLAB RADIANT HEATING
CONNECT TO EXISTING PORTLAND FISH EXCHANGE GAS MAIN
1" NG VCFF
FIRE SEAL
(E)EF-4 (RELOCATED)
(E)EF-5 (RELOCATED)
OED W/BIRDSCREEN
(E)TOTE MACHINE (RELOCATED)
(E)TOTE WASHER DUCT HOOK-UPS (RELOCATED)
(E)BROAN WALL EXHAUSTER TO REMAIN.
18x16S DUCT UP TO MUA-1 ON ROOF ABOVE
AUCTION COOLER ROOM
AUCTION ROOM
HYDROGEN GAS DETECTOR, TTS (SEE SPEC)
TOP OF FAN AT BOTTOM OF JOISTS
1'-6"x1'-6" LOUVER, BOTTOM @ 6'-0" A.F.F. (+/-)
REFRIGERATED SPACE SYSTEMS N.I.C. (30°F)
OED INTO CEILING PLENUM, 230cfm ea., TYPICAL OF 5
14"ØR OED INTO PLENUM, 575cfm (TYPICAL OF 2)
36x24R - RUN BETWEEN JOISTS
8"ØS THRU JOIST GIRDER (TYPICAL)
HRU DRAIN TO PIT
(E)NATURAL GAS (NG) ENTRANCE
DHW-2 VENT THRU WALL
1" NG
NATURAL GAS (NG) ENTRANCE
2" NG
1" NG VCFF
(E)REFRIGERATION PIPING TO REMAIN
NO WORK
3/4" NG
LOUVER, 2'-0"x2'-0"± (FIELD VERIFY)
(E)HOOD TO REMAIN.
BDD, APPROXIMATELY 2'-0"x2'-0" (FIELD VERIFY)

KEYED NOTES:

1. CONNECT TO EXISTING (CTE) TERMINAL OUTLETS. PROVIDE TRANSITION AS REQUIRED.
2. WIRE EXHAUST FAN TO LIGHT SWITCH.
3. RELOCATED TOTE WASHER EXHAUST FAN; MOUNT HIGH ON WALL. OFFSET DUCTS TO AVOID EXISTING CONDITIONS.
4. 36x24S & R DUCTS UP, TRANSITION TO HRU OPENINGS AS REQUIRED. PROVIDE LINED DUCT FOR FIRST 10'-0" FROM HRU CONNECTION.
5. ROUND TRANSFER DUCT, CONNECTED TO (2)GRILLE-SIZED PLENUMS.
6. PROVIDE SEPARATION OF GAS SERVICE WITH (2)SEPARATE METERS, REGULATORS AND TRIM; WORK PER UTILITY REQUIREMENTS.
7. PROVIDE 1'-6"x1'-6" CUTOUT OPENINGS IN WALL TO ALLOW PORTLAND FISH EXCHANGE COOLER AIR TO CIRCULATE ABOVE THE CEILING OF WAREHOUSE 111.
8. PROVIDE WATER-TIGHT PLENUM, PITCHED TO DRAIN TO EXTERIOR. CONNECT TO EXISTING WALL OPENING.
9. SEE BID PROPOSAL - COST ALLOCATIONS, ITEM "1.d"; THIS WORK PERTAINS TO VENTILATING THE NEW PLENUM.

NOTE:

REFER TO "BID PROPOSAL" AND AREA DIAGRAM ON SHEET A-101 FOR REQUIRED COST ALLOCATIONS.

PLAN NORTH

HVAC PLAN
Scale: 1/8" = 1'-0"

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REFERENCES:

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DRAWING NAME: 08065M.dwg	DRAWN BY: NEW
FIELD BOOK USED: XXXX	CHECKED BY: IAM
	SCALE: AS NOTED
	DATE: 07-30-2008

STATE OF MAINE — IAN A. MACDONALD — LICENSED PROFESSIONAL ENGINEER

PORTLAND FISH EXCHANGE

HVAC PLAN

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS
AND TRANSPORTATION

RESURGAM — CITY OF PORTLAND, MAINE

SHEET # OF

VAULT PLAN NUMBER
M-100

FIRE ALARM SYSTEM

- FACP — FIRE ALARM CONTROL PANEL
- — MANUAL PULL STATION, MOUNT 48"AFF
- 90 — AUDIO/VISUAL INDICATING APPLIANCE, CANDELA AS NOTED ON PLANS, MOUNT 80"AFF TO BOTTOM OR 6" BELOW CEILING WHICHEVER IS LOWER
- 90 — VISUAL INDICATING APPLIANCE, CANDELA AS NOTED ON PLANS, MOUNT 80"AFF TO BOTTOM OR 6" BELOW CEILING WHICHEVER IS LOWER

TEL/DATA OUTLETS

- TELEPHONE OUTLET – 18"AFF UNO
- W WALL TELEPHONE OUTLET – 44"AFF UNO
- TEL/DATA OUTLET – 18"AFF UNO
- DATA OUTLET – 18"AFF UNO
- 4X — INDICATES OUTLET IN NEMA 4X ENCLOSURE

ABBREVIATIONS

(E)	EXISTING ITEM TO REMAIN
(R)	REMOVE ITEM AND DISPOSE OF PROPERLY
(ER)	RELOCATED ITEM AT NEW LOCATION
(RL)	REMOVE AND RELOCATE
AFF	ABOVE FINISHED FLOOR
UNO	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF
BRKRS	CIRCUIT BREAKERS
P/O	PART OF
WG	WIREGUARD
CB	CIRCUIT BREAKER
MT	MOUNT
XFMR	TRANSFORMER
UG	UNDERGROUND

RECEPTACLES

- DUPLEX RECEPTACLE – 20A, 125V
- GFCI TYPE DUPLEX RECEPTACLE – MOUNT 44"AFF UNO
- 4X — GFCI RECEPTACLE WITH NEMA 4X ENCLOSURE
- 3R — GFCI RECEPTACLE IN NEMA 3R ENCLOSURE ON ROOF
- DOUBLE DUPLEX RECEPTACLE

NOTES:

1. MOUNT RECEPTACLES WITH CENTERLINE 18"AFF UNO
2. MOUNT EXTERIOR RECEPTACLES WITH CENTERLINE 24"AFG UNO

POWER DISTRIBUTION

- PANELBOARD – SURFACE MOUNTED
- PANELBOARD – FLUSH MOUNTED
- FUSED DISCONNECT SWITCH
- NON-FUSED DISCONNECT SWITCH
- 00 — MOTOR STARTER – NUMBER INDICATES NEMA SIZE
- 00 — COMBINATION MOTOR STARTER/FUSED DISCONNECT
- (#) — MOTOR – NUMBER INDICATES HORSEPOWER
- (M) — METER AND CABINET
- (J) — JUNCTION BOX – CEILING MOUNTED
- (J) — JUNCTION BOX – WALL MOUNTED
- J — JUNCTION BOX – FLOOR MOUNTED
- JP — JUNCTION BOX – PEDESTAL MOUNTED
- Tp — TRANSFORMER – NUMBER INDICATES DESIGNATION SEE TRANSFORMER SCHEDULE
- VFD — VARIABLE FREQUENCY DRIVE
- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSOR
- — EMERGENCY SHUTOFF SWITCH – WALL MOUNTED 48" TO CENTERLINE – PROVIDE TAMPER-PROOF COVER
- CONDUIT TURNING UP
- CONDUIT TURNING DOWN
- WIRING UNDERGROUND OR UNDERSLAB
- HOMERUN – (2)#12+(1)#12G UNO (EXCEPT COMPUTER AND LIGHTING CIRCUITS: (1)#12+(1)#10N+(1)#12G UNO)
- SINGLE-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
- 3-PHASE HOMERUN OR MULTIPLE HOMERUN UTILIZING THE SAME CONDUIT
- L~20A,1P — INDICATES 20A,1P LOCKING CIRCUIT BREAKER
- FLEXIBLE CONNECTION
- GROUNDING SYSTEM
- P — POWER POLE
- PUSHBUTTON

LUMINAIRES

- LIGHT FIXTURE – RECESSED TROFFER – TYPICAL
  - INDICATES LIGHT FIXTURE TYPE ON LUMINAIRE SCHEDULE
  - a — LOWER CASE LETTER INDICATES SWITCHING – TYPICAL
  - 2 — NUMBER INDICATES CIRCUITING – TYPICAL
- WALL MOUNTED LIGHT FIXTURE
- EMERGENCY BATTERY UNIT WITH INTEGRAL HEADS AND REMOTE CAPABILITY, MOUNT 7'-0"AFF UNO
- SINGLE REMOTE EMERGENCY LIGHT HEAD, MOUNT 7'-0"AFF, UNO
- DOUBLE REMOTE EMERGENCY LIGHT HEAD, MOUNT 7'-0"AFF, UNO
- EXIT SIGN, WALL MOUNTED, SHADING INDICATES FACE(S) MOUNT AT 7'-6"AFF OR OVER DOOR

GENERAL NOTES

1. BRANCH CIRCUIT WIRING NOT SHOWN. WIRE AND CONNECT ELECTRICAL ITEMS TO CIRCUITS INDICATED.
2. DISCONNECT, REMOVE, RELOCATE, AND RECONNECT ELECTRICAL CONDUIT, WIRING, DEVICES, BOXES, FIXTURES, EQUIPMENT, ETC. AS INDICATED AND AS REQUIRED TO FACILITATE WORK OF DIVISION 26 AND OTHER DIVISIONS. WHERE ELECTRICAL ITEMS ARE REMOVED, REMOVE CONDUIT AND WIRING BACK TO SOURCE.
3. DO NOT SCALE THE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS.
4. THE LOCATION OF EQUIPMENT, OUTLETS, ETC. AS GIVEN ON THE DRAWINGS, IS APPROXIMATE. IT SHALL BE UNDERSTOOD THAT THERE LOCATIONS ARE SUBJECT TO MODIFICATION AS MAY BE FOUND NECESSARY OR DESIRABLE AT THE TIME OF INSTALLATION IN ORDER TO MEET PROJECT REQUIREMENTS. SUCH CHANGES SHALL BE MADE WITHOUT EXTRA CHARGE.
5. ALL ELECTRICAL DEVICES, WHEN INSTALLED, SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. COVER PLATES SHALL BE INSTALLED AFTER FINISH MATERIALS HAVE BEEN APPLIED.
6. COORDINATE ALL WORK WITH OTHER DIVISIONS.
7. A LIGHTING CONTROL SYSTEM IS TO BE PROVIDED. REFER TO SPECIFICATIONS AND LIGHTING PLANS.

LIGHT SWITCHES

– CENTERLINE 48" AFF –

- $a — LIGHT SWITCH – 20A,125/277V, LETTER INDICATES SWITCHING
- $3 — THREE-WAY LIGHT SWITCH
- $4 — FOUR-WAY LIGHT SWITCH
- $ab — MULTI-GANGED SWITCHES – GANG UNDER ONE PLATE – LETTER INDICATES SWITCHING
- $OS — OCCUPANCY SENSOR SWITCH, WALL MOUNTED
- OS — OCCUPANCY SENSOR SWITCH, CEILING MOUNTED

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REFERENCES:

LDD PROJECT NAME:	XXXX
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FIELD BOOK USED:	XXXX
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CHECKED BY:	CAF
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PORTLAND FISH EXCHANGE

ELECTRICAL LEGEND

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET # OF

VAULT PLAN NUMBER
E–000

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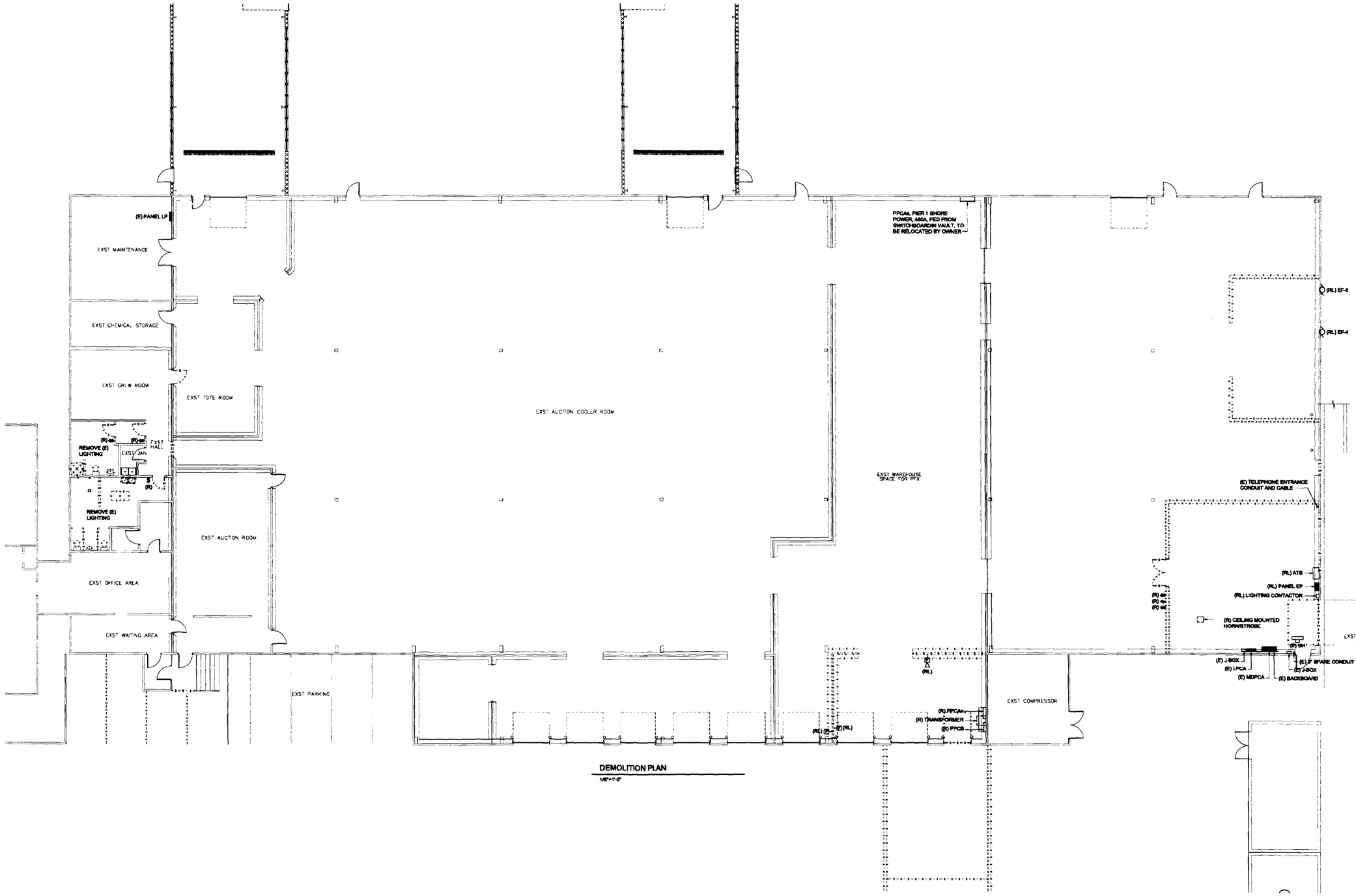

DEMOLITION PLAN

1/8"=1'-0"

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FIELD BOOK USED: XXXX

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CHECKED BY: DLL
QA: CAF
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STATE OF MAINE — CATHERINE A. FAUCHER No. 7570 — REGISTERED PROFESSIONAL ENGINEER

PORTLAND FISH EXCHANGE

DEMOLITION PLAN

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET # OF

VAULT PLAN NUMBER
ED-100

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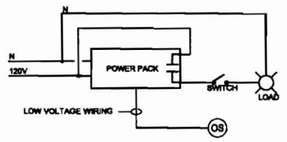
KEY NOTES

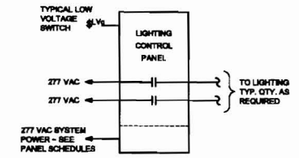
1. CONNECT LIGHTING TO EXISTING LIGHTING CIRCUIT FOR THE SPACE.



A TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM
NO SCALE

LIGHTING CONTROL PANEL SCHEDULE			
DESIGNATION LCP			MOUNTING SURFACE
CONTROL VOLTAGE 277			LOCATION ROOM 110
CONTROL CIRCUIT LP-8			PROJECT COZY HARBOR
RELAY NO	CIRCUIT NO	NOTE NO	DESCRIPTION
1	L1-1	2	PROCESS ROOM
2	L1-2	2	PROCESS ROOM
3	L1-3	2	COOLER
4	L1-4	2	LOADING DOCK
5	L1-5	2	DRY STORAGE
6	L1-3	2	CORRIDOR 104
7	L1-5	1	EXTERIOR LIGHTS
8			SPARE

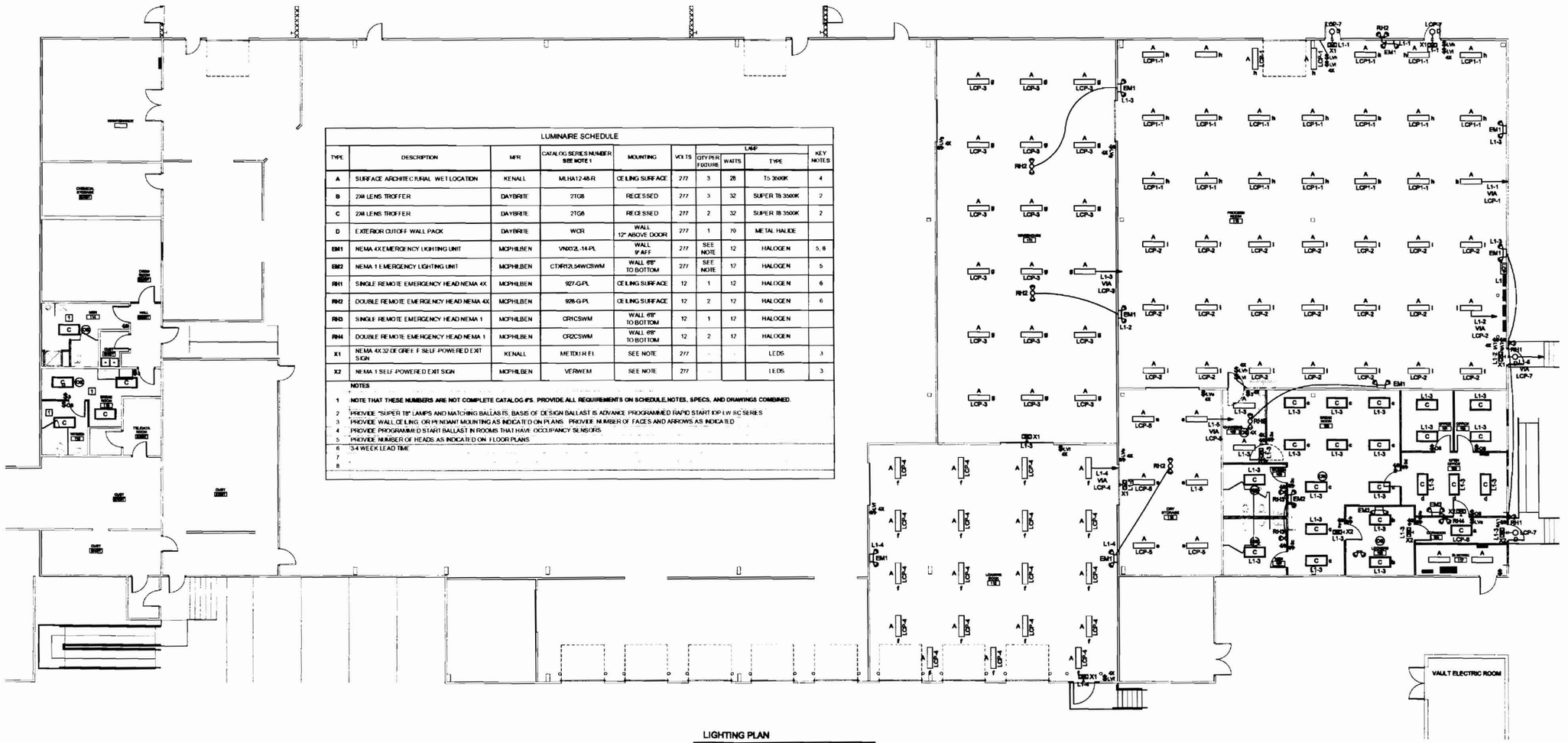
NOTES:
1. PROGRAM FOR AUTO ON/AUTO-OFF CONTROL VIA ASTRONOMICAL CLOCK
2. PROGRAM FOR MANUAL-ON/AUTO-OFF - COORDINATE WITH OWNER



NOTES

1. RISER DIAGRAM SHOWS TYPICAL CONNECTIONS ONLY. REFER TO FLOOR PLANS FOR QUANTITY OF SWITCHES, CONTROL PANELS, RELAYS, ETC.
2. EXCEPT AS OTHERWISE INDICATED OR NOTED, LIGHTING SHALL BE TURNED ON MANUALLY BY INDICATED SWITCHING. THE LIGHTING CONTROL SYSTEM SHALL PERFORM AN OFF SWEEP AT A TIME DETERMINED BY THE OWNER. SYSTEM SHALL INCLUDE A BLINK WARNING FEATURE TO ALERT BUILDING OCCUPANTS OF IMPENDING OFF SWEEP AND ALLOW OVERRIDE USING INDIVIDUAL SWITCHES.

B LIGHTING CONTROL WIRING DIAGRAM
NO SCALE



LIGHTING PLAN
1/8"=1'-0"

LUMINAIRE SCHEDULE									
TYPE	DESCRIPTION	MFR	CATALOG SERIES NUMBER SEE NOTE 1	MOUNTING	VOLTS	LAMP QTY PER FIXTURE	LAMP WATTS	LAMP TYPE	KEY NOTES
A	SURFACE ARCHITECTURAL WET LOCATION	KENALL	MLHA12-48-R	CEILING SURFACE	277	3	28	T5 3500K	4
B	2X4 LENS TROFFER	DAYBRITE	2TG8	RECESSED	277	3	32	SUPER T8 3500K	2
C	2X4 LENS TROFFER	DAYBRITE	2TG8	RECESSED	277	2	32	SUPER T8 3500K	2
D	EXTERIOR CUTOFF WALL PACK	DAYBRITE	WCR	WALL 12' ABOVE DOOR	277	1	70	METAL HALIDE	
EM1	NEMA 4X EMERGENCY LIGHTING UNIT	MCPHILBEN	VN002L-14-PL	WALL 9' AFF	277	SEE NOTE	12	HALOGEN	5, 8
EM2	NEMA 1 EMERGENCY LIGHTING UNIT	MCPHILBEN	CTXR12L54WCSWM	WALL 6'8" TO BOTTOM	277	SEE NOTE	17	HALOGEN	5
RH1	SINGLE REMOTE EMERGENCY HEAD NEMA 4X	MCPHILBEN	927-G-PL	CEILING SURFACE	12	1	12	HALOGEN	6
RH2	DOUBLE REMOTE EMERGENCY HEAD NEMA 4X	MCPHILBEN	928-G-PL	CEILING SURFACE	12	2	12	HALOGEN	6
RH3	SINGLE REMOTE EMERGENCY HEAD NEMA 1	MCPHILBEN	CR1CSWM	WALL 6'8" TO BOTTOM	12	1	12	HALOGEN	
RH4	DOUBLE REMOTE EMERGENCY HEAD NEMA 1	MCPHILBEN	CR2CSWM	WALL 6'8" TO BOTTOM	12	2	12	HALOGEN	
X1	NEMA 4X 32 DEGREE F SELF-POWERED EXIT SIGN	KENALL	METDUHEL	SEE NOTE	277	-	-	LEDS	3
X2	NEMA 1 SELF-POWERED EXIT SIGN	MCPHILBEN	VERWEM	SEE NOTE	277	-		LEDS	3

NOTES
1. NOTE THAT THESE NUMBERS ARE NOT COMPLETE CATALOG #'S. PROVIDE ALL REQUIREMENTS ON SCHEDULE,NOTES, SPECS, AND DRAWINGS COMBINED.
2. PROVIDE "SUPER T8" LAMPS AND MATCHING BALLASTS. BASIS OF DESIGN BALLAST IS ADVANCE PROGRAMMED RAPID START IOP I-W-RC SERIES
3. PROVIDE WALL, CEILING, OR PENDANT MOUNTING AS INDICATED ON PLANS. PROVIDE NUMBER OF FACES AND ARROWS AS INDICATED
4. PROVIDE PROGRAMMED START BALLAST IN ROOMS THAT HAVE OCCUPANCY SENSORS
5. PROVIDE NUMBER OF HEADS AS INDICATED ON FLOOR PLANS
6. 3-4 WEEK LEAD TIME
7. -
8. -

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PORTLAND FISH EXCHANGE
LIGHTING PLAN

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

RESURGAM CITY OF PORTLAND, MAINE

SHEET #
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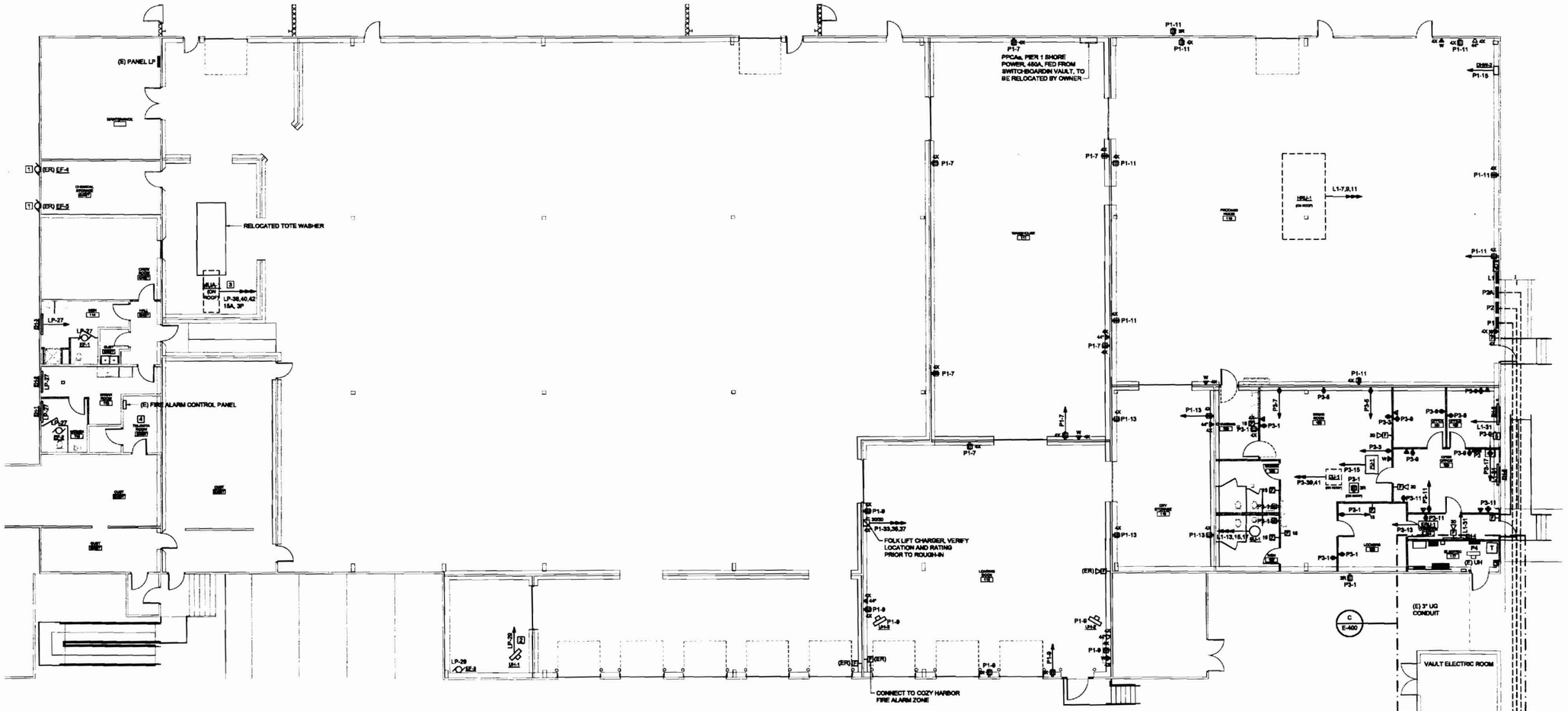
EL-100



POWER AND SYSTEMS PLAN

1/8"=1'-0"

ELECTRICAL SCHEDULE OF MECHANICAL EQUIPMENT

TAG	DESCRIPTION	VOLTS	PH	LOAD	MCA	MOPD	DISCONNECT SWITCH FRAME	POLES	FUSE	NEMA ENCL	FBO	WIRING IN CONDUIT	NOTES
DHW-1	HOT WATER HEATER BATHROOMS	480	3	8 KW	9.6		600	3	15	4X	26	3#12, 1#12 G	
DHW-2	GAS HOT WATER HEATER	120	1	137 W			FWE					2#12, 1 #12 G	
UH-1	UNIT HEATER	120	1	1/20 HP			FWE					2#12, 1 #12 G	
UH-2	UNIT HEATER	120	1	1/20 HP			FWE					2#12, 1 #12 G	
UH-3	UNIT HEATER	120	1	1/20 HP			FWE					2#12, 1 #12 G	
MUA-1	MAKE UP AIR UNIT - ROOF	480	3	1 HP			FWE					3#12, 1#12 G	
FU-1	SPLIT FURNACE UNIT - BREAK ROOM	120	1	9/2	10	15	FWE					2#12, 1 #12 G	
CU-1	CONDENSING UNIT - BREAK ROOM	208	1	12	12	20	FWE					2#12, 1 #12 G	
ERU-1	OFFICE/BREAK AREA-ABOVE CLG	120	1	7	10		FWE					3#12, 1#12 G	
EF-1	EXHAUST FAN - WOMEN PPE	120	1	90 W			120	1				2#12, 1 #12 G	
EF-2	EXHAUST FAN - MEN PPE	120	1	90W			120	1				2#12, 1 #12 G	
EF-3	PALLET LIFT CHARGER	120	1	1/8 HP			120	1				2#12, 1 #12 G	
EF-4	TOTE WASHER												3
EF-5	TOTE WASHER ROOM												3
EH 1-5	ELECTRIC HEAT BASEBOARD	277	1	1000W	3.6 A							2#12, 1 #12 G	
HRU 1	PROCESS AREA - SUPPLY AND RETURN FAN	480	3	5 HP(EA)			FWE					3#10, 1#10 G	

NOTES
1. LEAD/LAG
2. VERIFY MOTOR DATA AND LOCATION WITH SUPPLIER PRIOR TO ROUGH IN
3. EXISTING FANS SHALL BE RELOCATED AND INSTALLED. VERIFY POWER REQUIREMENTS

ABBREVIATIONS
- FWE FURNISHED WITH EQUIPMENT
- NF NOT FUSED
- SWBD SWITCHBOARD
- FBD FURNISHED BY DIVISION
- CBD CONTROL WIRING BY DIVISION

KEY NOTES

1. RELOCATE FANS – DISCONNECT, EXTEND WIRING TO NEW LOCATION AND CONNECT.
2. PROVIDE 20A, 1 POLE CIRCUIT BREAKER IN (E) PANEL LP.
3. PROVIDE BREAKER IN (E) PANEL LP
4. EXTEND (E) TELEPHONE SERVICE TO COZY HARBOR TEL/DATA RACK IN OFFICE. CONFIRM LOCATION PRIOR TO ROUGH-IN.
5. TEL/DATA RACK – LOCATION TO BE DETERMINED BEFORE ROUGH-IN. LOCATE THE DOUBLE DUPLEX RECEPTACLE AT FINAL RACK LOCATION.

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Web: www.allied-eng.com

REFERENCES:

LDD PROJECT NAME: XXXX
DRAWING NAME: 0905SE.dwg
FIELD BOOK USED: XXXX
DRAWN BY: MRW
CHECKED BY: CJL
QAP
SCALE: AS NOTED
DATE: 07-30-2009

CATHERINE A. FAUCHER No. 7575 REGISTERED PROFESSIONAL ENGINEER STATE OF MAINE

PORTLAND FISH EXCHANGE
POWER AND SYSTEMS

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

"A RESURGAM" CITY OF PORTLAND, MAINE

SHEET # OF
VAULT PLAN NUMBER
EP-100

PANEL SCHEDULE ~ MDP-CH

LISTED AND LABELED FOR USE AS SERVICE EQUIPMENT.

VOLTAGE 480/277V | 3-PHASE, 4-WIRE | MCB 1200A WITH GROUND FAULT | AIC 65KA | LOCATION VAULT ELECTRIC ROOM

CIRCUIT BREAKER CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED A	B	C	BRANCH CIRCUIT DESCRIPTION
1			A	4.60			
3	500	3	B		8.12		PANEL P1 VIA XFMR
5			C			4.62	
7			A	12.17			
9	400	3	B		8.72		PANEL L1
11			C			8.77	
13			A	0.00			
15	225	3	B		0.00		SPARE
17			C			0.00	
19			A	0.00			
21	225	3	B		0.00		PROVISION
23			C			0.00	
25			A	0.00			
27	225	3	B		0.00		PROVISION
29			C			0.00	
31			A	0.00			
33	400	3	B		0.00		SPARE
35			C			0.00	
37			A	0.00			
39	100	3	B		0.00		PROVISION
41			C			0.00	
	SUBTOTAL			16.97	14.84	13.39	
2			A	0.00			
4	500	3	B		0.00		PANEL P2 VIA XFMR
6			C			0.00	
8			A	0.00			
10	225	3	B		0.00		SPARE
12			C			0.00	
14			A	0.00			
16	225	3	B		0.00		SPARE
18			C			0.00	
20			A	0.00			
22	225	3	B		0.00		PROVISION
24			C			0.00	
26			A	0.00			
28	400	3	B		0.00		PROVISION
30			C			0.00	
32			A	0.00			
34	100	3	B		0.00		SPARE
36			C			0.00	
38			A	0.00			
40	100	3	B		0.00		PROVISION
42			C			0.00	
	SUBTOTAL			0.00	0.00	0.00	

PANEL SCHEDULE ~ L1 ENCLOSURE NEMA 4X

LISTED AND LABELED FOR USE AS SERVICE EQUIPMENT

VOLTAGE 480/277V | 3-PHASE, 4-WIRE | MCB 400A | AIC 42KA | LOCATION CH PROCESS RM EXT WALL ROOM 110

CIRCUIT BREAKER CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED A	B	C	BRANCH CIRCUIT DESCRIPTION
1	20	1	A	1.20			LTG - PROCESS 110 VIA LCP
3	20	1	B		1.20		LTG - WAREHOUSE 111 VIA LCP
5	20	1	C			1.00	LTG - DRY STORAGE 116 VIA LCP
7			A	3.90			
9	30	3	B		3.90		HRU-1 - PROCESS 110
11			C			3.90	
13			A	2.67			
15	20	3	B		2.67		EHW-1 BATHROOM107
17			C			2.67	
19			A				
21	20	3	B				SPARE
23			C				
25			A				
27	20	3	B				SPARE
29			C				
31	20	1	A	3.00			BASEBOARD HEATER ROOM 102-104
33	20	1	B		0.00		SPARE
35	20	1	C			0.00	SPARE
37	20	1	A	0.00			SPARE
39	20	1	B		0.00		SPARE
41	20	1	C			0.00	SPARE
	SUBTOTAL			10.77	7.77	7.57	
2	20	1	A	0.90			LTG - PROCESS 110 VIA LCP
4	20	1	B		0.95		LTG - LOADING DOCK 112 VIA LCP
6	20	1	C			1.20	LTG - OFFICE/BREAK AC 101-109
8	20	1	A	0.50			LIGHTING CONTROL PANEL
10	20	1	B		0.00		SPARE
12	20	1	C			0.00	SPARE
14	20	1	A	0.00			SPARE
16	20	1	B		0.00		SPARE
18	20	1	C			0.00	SPARE
20	20	1	A	0.00			SPARE
22	20	1	B		0.00		SPARE
24	20	1	C			0.00	SPARE
26	20	1	A	0.00			COOLER COMPRESSOR 1 &3
28	100	3	B		0.00		(branch wiring and desc by owner)
30			C			0.00	
32			A	0.00			FREEZER COMPRESSOR (branch
34	100	3	B		0.00		wiring and desc by owner)
36			C			0.00	
38			A	0.00			COOLER COMPRESSOR 2 & 4
40	100	3	B		0.00		(branch wiring and desc by owner)
42			C			0.00	
	SUBTOTAL			1.40	0.95	1.20	

PANEL SCHEDULE ~ P1 ENCLOSURE NEMA 4X

LISTED AND LABELED FOR USE AS SERVICE EQUIPMENT

VOLTAGE 208/120V | 3-PHASE, 4-WIRE | MLO MCB 800A | AIC 22KA | LOCATION CH PROCESS RM EXT WALL ROOM 110

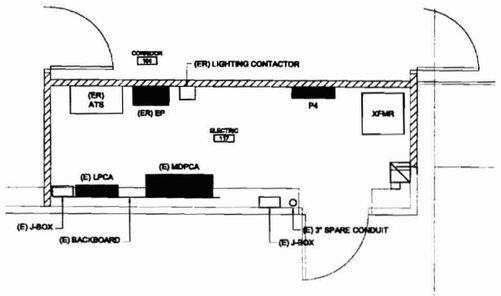
CIRCUIT BREAKER CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED A	B	C	BRANCH CIRCUIT DESCRIPTION
1			A	3.60			
3	100	3	B		4.26		PANEL P3
5			C			3.18	
7	20	1	A	1.08			RECEPTACLES - WAREHOUSE 111
9	20	1	B		1.26		RECEPTACLES - LOAD DOCK 112
11	20	1	C			1.44	RECEPTACLES - PROCESS ROOM 110
13	20	1	A	0.72			RECEPTACLES - DRY STORAGE 116
15	20	1	B		0.90		EHW-2 - PROCESS ROOM 110
17	20	1	C			0.00	SPARE
19	20	1	A	0.00			SPARE
21	20	1	B		0.00		SPARE
23	20	1	C			0.00	SPARE
25	20	1	A	0.00			SPARE
27	20	1	B		0.00		SPARE
29	20	1	C			0.00	SPARE
31	20	1	A	0.00			SPARE
33	60	3	B		4.80		FORKLIFT CHARGER - DRY STORAGE (confirm ratings
35			C			4.80	prior to rough in)
37			A	4.80			
39	30	2	B		0.00		PROCESS EQUIPMENT
41			C			0.00	
	SUBTOTAL			9.60	10.92	9.47	
2	15	1	A	0.00			PROCESS EQUIPMENT
4	15	1	B		0.00		PROCESS EQUIPMENT
6	15	1	C			0.00	PROCESS EQUIPMENT
8	15	1	A	0.00			PROCESS EQUIPMENT
10	15	1	B		0.00		PROCESS EQUIPMENT
12	15	1	C			0.00	PROCESS EQUIPMENT
14	15	1	A	0.00			PROCESS EQUIPMENT
16	20	1	B		0.00		PROCESS EQUIPMENT
18	20	1	C			0.00	PROCESS EQUIPMENT
20	20	1	A	0.00			PROCESS EQUIPMENT
22	20	1	B		0.00		PROCESS EQUIPMENT
24	20	1	C			0.00	PROCESS EQUIPMENT
26	20	1	A	0.00			PROCESS EQUIPMENT
28	20	1	B		0.00		PROCESS EQUIPMENT
30	20	1	C			0.00	PROCESS EQUIPMENT
32	20	1	A	0.00			PROCESS EQUIPMENT
34	20	1	B		0.00		PROCESS EQUIPMENT
36	20	1	C			0.00	PROCESS EQUIPMENT
38			A	0.00			
40	150	3	B		0.00		PROCESS EQUIPMENT ICE MACHINE
42			C			0.00	
	SUBTOTAL			8.00	0.00	0.00	

PANEL SCHEDULE ~ P2 ENCLOSURE NEMA 4X

LISTED AND LABELED FOR USE AS SERVICE EQUIPMENT

VOLTAGE 208/120V | 3-PHASE, 4-WIRE | MCB 800A | AIC 22KA | LOCATION CH PROCESS RM EXT WALL ROOM 110

CIRCUIT BREAKER CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED A	B	C	BRANCH CIRCUIT DESCRIPTION
1			A	0.00			
3	20	3	B		0.00		PROCESS EQUIPMENT
5			C			0.00	
7			A	0.00			
9	20	3	B		0.00		PROCESS EQUIPMENT
11			C			0.00	
13			A	0.00			
15	20	3	B		0.00		PROCESS EQUIPMENT
17			C			0.00	
19			A	0.00			
21	20	3	B		0.00		PROCESS EQUIPMENT
23			C			0.00	
25			A	0.00			
27	20	3	B		0.00		PROCESS EQUIPMENT
29			C			0.00	
31			A	0.00			
33	20	3	B		0.00		PROCESS EQUIPMENT
35			C			0.00	
37			A	0.00			
39	225	3	B		0.00		PANEL P2A
41			C			0.00	
	SUBTOTAL			0.00	0.00	0.00	
2			A	0.00			
4	20	3	B		0.00		PROCESS EQUIPMENT
6			C			0.00	
8			A	0.00			
10	20	3	B		0.00		PROCESS EQUIPMENT
12			C			0.00	
14			A	0.00			
16	40	3	B		0.00		PROCESS EQUIPMENT
18			C			0.00	
20			A	0.00			
22	20	3	B		0.00		PROCESS EQUIPMENT
24			C			0.00	
26			A	0.00			
28	30	3	B		0.00		PROCESS EQUIPMENT
30			C			0.00	
32			A	0.00			
34	30	3	B		0.00		PROCESS EQUIPMENT
36			C			0.00	
38			A	0.00			
40	60	3	B		0.00		PROCESS EQUIPMENT
42			C			0.00	
	SUBTOTAL			0.00	0.00	0.00	



PANEL SCHEDULE ~ P2A ENCLOSURE NEMA 4X

VOLTAGE 208/120V | 3-PHASE, 4-WIRE | MLO 225A | AIC 22KA | LOCATION PROCESS ROOM 110

CIRCUIT BREAKER CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED A	B	C	BRANCH CIRCUIT DESCRIPTION
1			A	0.00			
3	20	3	B		0.00		PROCESS EQUIPMENT(branch
5			C			0.00	wiring by others)
7			A	0.00			
9	20	3	B		0.00		SPARE
11			C			0.00	
13			A	0.00			
15	20	3	B		0.00		SPARE
17			C			0.00	
19	20	1	A	0.00			SPARE
21	20	1	B		0.00		SPARE
23	20	1	C			0.00	SPARE
25	20	1	A	0.00			SPARE
27	20	1	B		0.00		SPARE
29	20	1	C			0.00	SPARE
31	20	1	A	0.00			SPARE
33	20	1	B		0.00		SPARE
35	20	1	C			0.00	SPARE
37	20	1	A	0.00			SPARE
39	20	1	B		0.00		SPARE
41	20	1	C			0.00	SPARE
	SUBTOTAL			0.00	0.00	0.00	
2	20	1	A	0.00			SPARE
4	20	1	B		0.00		SPARE
6	20	1	C			0.00	SPARE
8	20	1	A	0.00			SPARE
10	20	1	B		0.00		SPARE
12	20	1	C			0.00	SPARE
14	20	1	A	0.00			SPARE
16	20	1	B		0.00		SPARE
18	20	1	C			0.00	SPARE
20	20	1	A	0.00			SPARE
22	20	1	B		0.00		SPARE
24	20	1	C			0.00	SPARE
26	20	1	A	0.00			SPARE
28	20	1	B		0.00		SPARE
30	20	1	C			0.00	SPARE
32			A	0.00			SPACE
34			B		0.00		SPACE
36			C			0.00	SPACE
38			A	0.00			SPACE
40			B		0.00		SPACE
42			C			0.00	SPACE
	SUBTOTAL			0.00	0.00	0.00	

PANEL SCHEDULE ~ P3

PROVIDE INTEGRAL TVSS. NEMA 1 ENCLOSURE

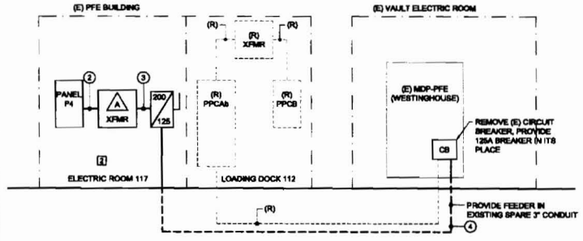
VOLTAGE 208/120V | 3-PHASE, 4-WIRE | MLO: 100 A | AIC 22KA | LOCATION OFFICE AREA

CIRCUIT BREAKER CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED A	B	C	BRANCH CIRCUIT DESCRIPTION
1	20	1	A	0.90			RECEPTACLES - 105-109
3	20	1	B		0.72		RECEPTACLES 109
5	20	1	C			0.72	RECEPTACLES 109
7	20	1	A	0.90			RECEPTACLES 109
9	20	1	B		1.26		RECEPTACLES 109
11	20	1	C			0.90	RECEPTACLES 103, 104
13	20	1	A	1.20			ERU-1 CORRIDOR 104
15	15	1	B		1.06		FCU-1 BREAK ROOM 106
17	20	1	C			0.36	TEL/DATA RACK POWER
19	20	1	A	0.00			SPARE
21	20	1	B		0.00		SPARE
23	20	1	C			0.00	SPARE
25	20	1	A	0.00			SPARE
27	20	1	B		0.00		SPARE
29	20	1	C			0.00	SPARE
31	20	1	A	0.00			SPARE
33	20	1	B		0.00		SPARE
35	20	1	C			0.00	SPARE
37	20	1	A	0.00			SPARE
39	20	2	B		1.20		CU-1 BREAK ROOM 106
41			C			1.20	
	SUBTOTAL			3.00	4.26	3.18	
2	20	1	A	0.00			SPARE
4	20	1	B		0.00		SPARE
6	20	1	C			0.00	SPARE
8	20	1	A	0.00			SPARE
10	20	1	B		0.00		SPARE
12	20	1	C			0.00	SPARE
14	20	1	A	0.00			SPARE
16	20	1	B		0.00		SPARE
18	20	1	C			0.00	SPARE
20	20	1	A	0.00			SPARE
22	20	1	B		0.00		SPARE
24	20	1	C			0.00	SPARE
26	20	1	A	0.00			SPARE
28	20	1	B		0.00		SPARE
30	20	1	C			0.00	SPARE
32	20	1	A	0.00			SPARE
34	20	1	B		0.00		SPARE
36	20	1	C			0.00	SPARE
38	20	1	A	0.00			SPARE
40	20	1	B		0.00		SPARE
42	20	1	C			0.00	SPARE
	SUBTOTAL			0.00	0.00	0.00	

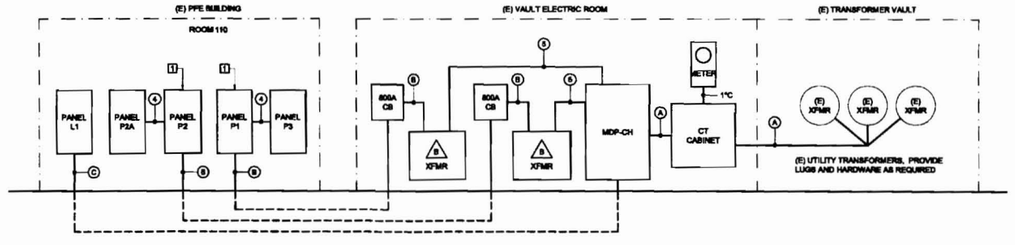
PANEL SCHEDULE ~ P4

VOLTAGE 208/120V | 3-PHASE, 4-WIRE | MCB 225A | AIC 10KA | LOCATION PFE UTILITY ROOM

CIRCUIT BREAKER CKT NO	BRKR SIZE	NO OF POLES	PH	CIRCUIT LOAD (KVA) CONNECTED A	B	C	BRANCH CIRCUIT DESCRIPTION
1	15	1	A	0.00			SPARE
3	15	1	B		0.00		SPARE
5	15	1	C			0.00	SPARE
7	15	1	A	0.00			SPARE
9	15	1	B		0.00		SPARE
11	15	1	C			0.00	SPARE
13	15	1	A	0.00			SPARE
15	15	1	B		0.00		SPARE
17	15	1	C			0.00	SPARE
19	15	1	A	0.00			SPARE
21	15	1	B		0.00		SPARE
23	15	1	C			0.00	SPARE
25	15	1	A	0.00			SPARE
27	15	1	B		0.00		SPARE
29	15	1	C			0.00	SPARE
31	15	1	A	0.00			SPARE
33	15	1	B		0.00		SPARE
35	15	1	C			0.00	SPARE
37	15	1	A	0.00			SPARE
39	15	1	B		0.00		SPARE
41	15	1	C			0.00	SPARE
	SUBTOTAL			0.00	0.00	0.00	
2	20	1	A	0.00			SPARE
4	20	1	B		0.00		SPARE
6	20	1	C			0.00	SPARE
8	20	1	A	0.00			SPARE
10	20	1	B		0.00		SPARE
12	20	1	C			0.00	SPARE
14	20	1	A	0.00			SPARE
16	20	1	B		0.00		SPARE
18	20	1	C			0.00	SPARE
20	20	1	A	0.00			SPARE
22	20	1	B		0.00		SPARE
24	20	1	C			0.00	SPARE
26	20	1	A	0.00			SPARE
28	20	1	B		0.00		SPARE
30	20	1	C			0.00	SPARE
32			A	0.00			SPACE
34			B		0.00		SPACE
36			C			0.00	SPACE
38			A	0.00			SPACE
40			B		0.00		SPACE
42			C			0.00	SPACE
	SUBTOTAL			0.00	0.00	0.00	



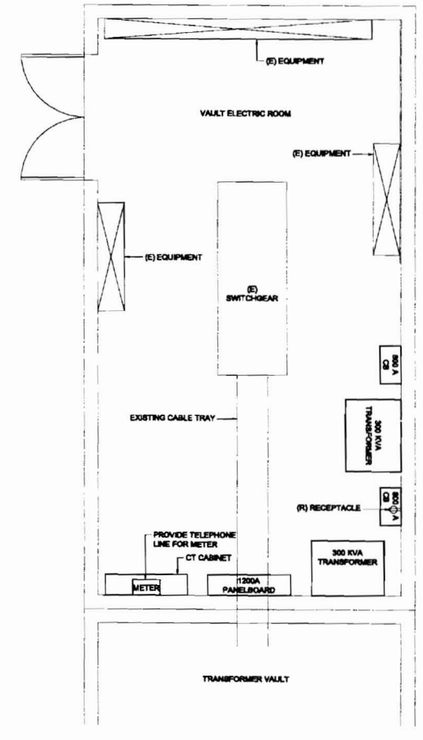
A PFE RISER DIAGRAM
NO SCALE



B COZY HARBOR RISER DIAGRAM
NO SCALE

KEY NOTES

1. EXISTING BRANCH CIRCUITS IN PANELS PPCAb AND PPCB SHALL BE RELOCATED TO PANEL P4 BY THE CITY OF PORTLAND. CONTRACTOR SHALL REMOVE EXISTING LOADING DOCK PANELS AND PROVIDE THE DISCONNECT, TRANSFORMER AND PANEL P4.
2. PANELS P1 AND P2 ARE TO BE USED FOR CONNECTION OF COZY HARBOR'S PROCESS EQUIPMENT. BRANCH WIRING FOR PROCESS EQUIPMENT IS NOT IN SCOPE.



C ENLARGED ELECTRIC ROOM AND VAULT PLAN
3/8"=1'-0"

TRANSFORMER SCHEDULE/KEY

TAG	DESCRIPTION	NOTES
A	75 KVA	1
B	300 KVA	1

TRANSFORMER SCHEDULE NOTES:

1. ALL TRANSFORMERS ARE RATED 480 VOLT, 3 PHASE, 3 WIRE PRIMARY AND 208Y/120VOLT, 3 PHASE, 4 WIRE SECONDARY U.N.O.
2. TRANSFORMER TO BE CEILING/WALL MOUNTED TO BEST SUIT THE EXISTING CONDITIONS.

FEEDER SCHEDULE

(A)	DESCRIPTION	CONDUCTORS (NOTE 1)	CONDUIT
1	100 AMP SECONDARY/FEEDER	(4) #2, (1) #6 G	1 1/4"
2	225 AMP SECONDARY/FEEDER	(4) #4/0, (1) #4 G	2 1/2"
3	125 AMP PRIMARY/FEEDER	(3) #1, (1) #6 G	2"
4	125 AMP PRIMARY	(3) #1/0, (1) #6 G	IN EXISTING 3"
5	500 AMP PRIMARY/FEEDER	(3) 250, (1) #2 G	IN EACH OF (2) 3"
A	1200 AMP SECONDARY/FEEDER	(4) 500 KCMIL, (1) #2 G	IN EACH OF (4) 4"
B	800 AMP SECONDARY/FEEDER	(4) 500 KCMIL, (1) #2/0 G	IN EACH OF (2) 4"
C	400 AMP SECONDARY/FEEDER	(4) 500 KCMIL, (1) #2/0 G	4"

FEEDER SCHEDULE NOTES:

1. WIRING BASED ON COPPER THWN/THHN
2. CONDUIT SIZE BASED ON EMT

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REFERENCES:

LDD PROJECT NAME:	XXXX
DRAWING NAME:	D9085E.dwg
FIELD BOOK USED:	XXXX
DESIGNED BY:	MRM
DRAWN BY:	CLL
CHECKED BY:	CAF
SCALE:	AS NOTED
DATE:	07-30-2009

CATHERINE A. FAUCHER No. 7575 REGISTERED PROFESSIONAL ENGINEER STATE OF MAINE

PORTLAND FISH EXCHANGE
DETAILS & SCHEDULES

CITY OF PORTLAND, MAINE
DEPARTMENT OF PORTS AND TRANSPORTATION

SHEET # OF
VAULT PLAN NUMBER
E-400