

City of Portland, Maine – Building or Use Permit Application 389 Congress Street, 04101, Tel: (207) 874-8703, FAX: 874-8716

Location of Construction: 184 St. John St.		Owner: Fraternal Order of Eagles 565		Phone: 773-9448		Permit No: 950787	
Owner Address: same		Leasee/Buyer's Name:		Phone:		BusinessName:	
Contractor Name: self		Address:		Phone:		<div style="border: 2px solid black; padding: 5px; text-align: center;"> PERMIT ISSUED Permit Issued: JUL 19 1995 CITY OF PORTLAND </div>	
Past Use: loading dock		Proposed Use: outside deck		COST OF WORK: \$ 2,000.00 FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied		PERMIT FEE: \$ 30.00 INSPECTION: Use Group: Type:	
Proposed Project Description: to construct outside deck as per plan				Signature:		Signature:	
Permit Taken By: Latini				Date Applied For: 6/29/95			

1. This permit application doesn't 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..

pickup truck for debris

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 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 provisions of the code(s) applicable to such permit

13 July 1995 - Bldg Permit Routed
6/29/95

SIGNATURE OF APPLICANT: *James W. Quinn* ADDRESS: *59 Murdoch St* DATE: *6/29/95* PHONE: *772-1788*
 RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE: *JAMES ASHBY MANAGER* PHONE: *773-9448*

- Zoning Appeal**
- Variance
 - Miscellaneous
 - Conditional Use
 - Interpretation
 - Approved
 - Denied

- Historic Preservation**
- Not in District or Landmark
 - Does Not Require Review
 - Requires Review

Action:

- Approved
- Approved with Conditions
- Denied

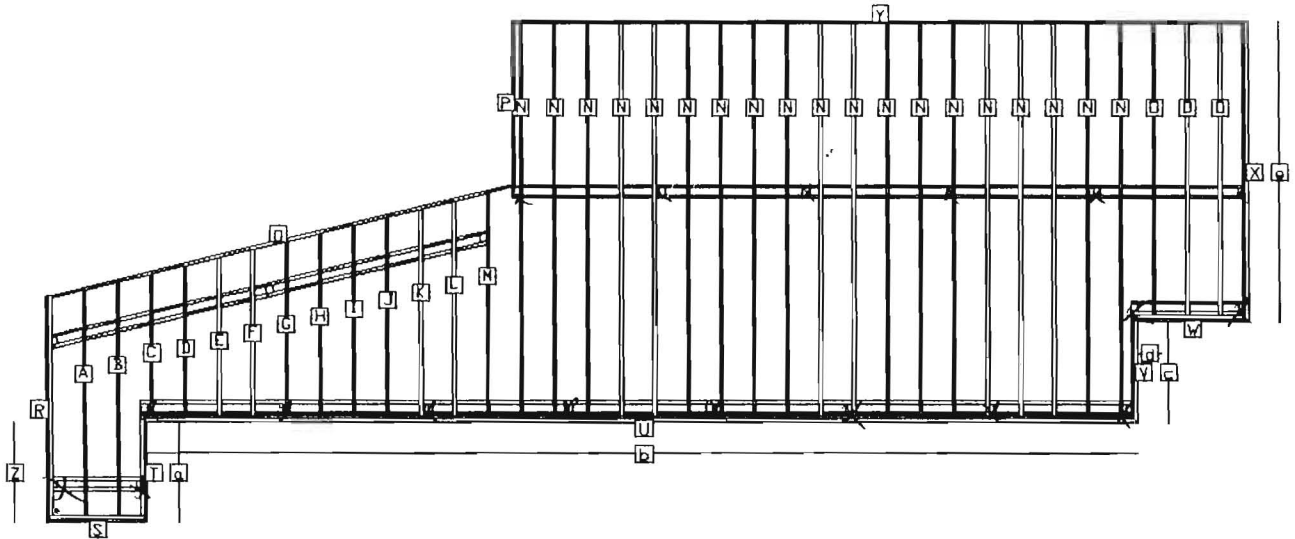
Date: _____

CEO DISTRICT

CUT LIST

CUSTOMER -- J W A

DATE 05/08/96 REF JWA39448



LABEL	LENGTH	BEVELS	LABEL	LENGTH	BEVELS
A joist	9' 1/16"	F0 R13	T fascia	4' 1 1/2"	F45 S45
B joist	9'4"	F0 R13	T ledger	4'	
C joist	5'7 7/8"	F0 R13	U fascia	39'7 1/2"	F45 S45
D joist	5'11 3/4"	F0 R13	U ledger	39'6"	
E joist	6'3 5/8"	F0 R13	V fascia	4' 1 1/2"	F45 S45
F joist	6'7 9/16"	F0 R13	V ledger	4'	
G joist	6'11 7/16"	F0 R13	W fascia	4'7 1/2"	F45 S45
H joist	7'3 5/16"	F0 R13	W ledger	4'6"	
I joist	7'7 3/16"	F0 R13	X fascia	12'	F45 S0
J joist	7'11 1/8"	F0 R13	X ledger	11'7 1/2"	
K joist	8'3"	F0 R13	Y ledger	29'4 1/2"	
L joist	8'6 7/8"	F0 R13	Z cap	4'5 1/2"	
M joist	8'10 3/4"	F0 R13	Z section	3'7 1/2"	
N Joist (19)	15'7 1/2"		a cap	4'6 1/2"	F0 S45
O joist (3)	11'7 1/2"		a section	3'7 1/2"	
P ledger	6'4 1/2"	F0 S13	b cap	39'11 1/2"	F45 S45
Q ledger	18'11 5/16"	F13 S13	b section	5'6 3/16"	
R fascia	9' 3/8"	F13 S45	c cap	4'5 1/2"	F45 S45
R ledger	8'9 3/4"	F13 S0	c section	3'7 1/2"	
S fascia	4'	F45 S45	d cap	1'2"	F45 S0
S ledger	3'9"		e cap	12'5 1/2"	
			e section	5'9 1/4"	

SKINCE

PORTLAND EAGLES

6' 7 1/2"
- 4

6'-3"

EXISTING BUILDING
184 ST
John St



TWO
HORSESHOE
PITS.

Building
178 ST
John St

OWNED BY
The
Portland
Eagles

NEW
LENGTH

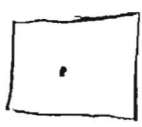
NEW DECK

EXHAUST

GAS METERS

A. 10

21
DISP



6 FT FENCE

BULK
HEAD

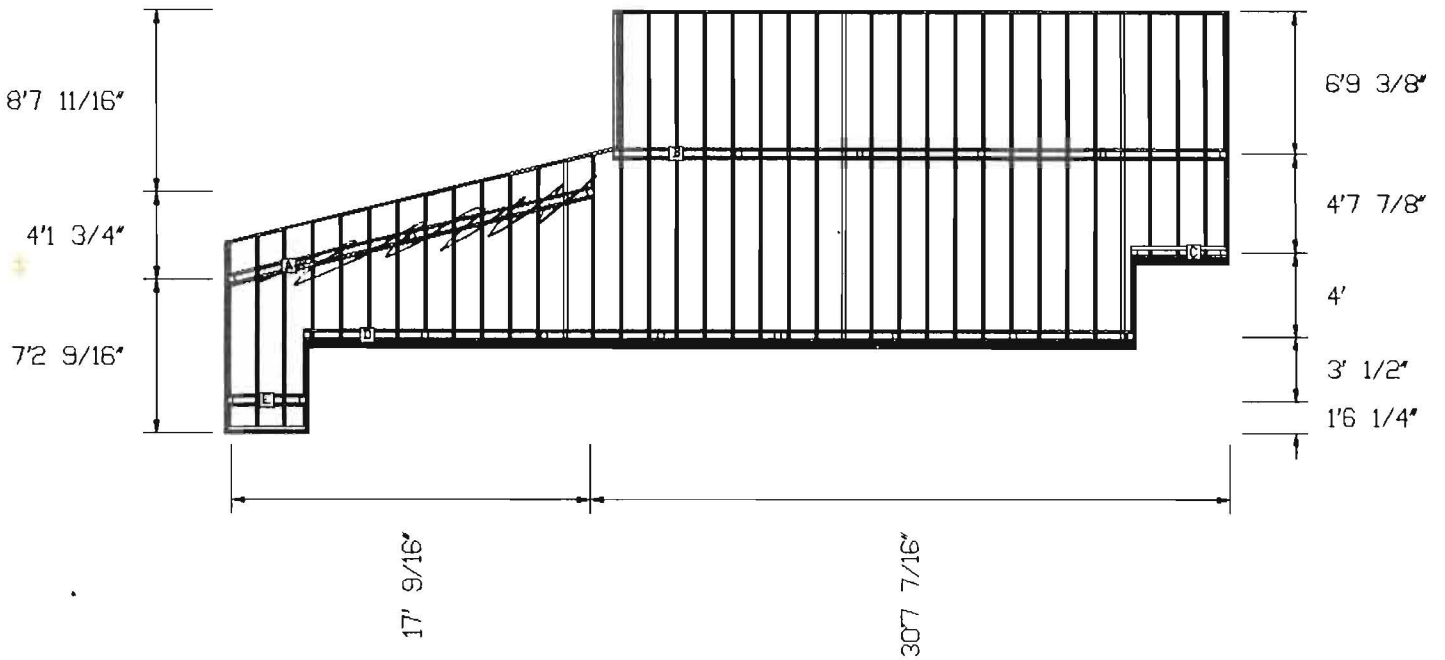
SIDEWALK

ST. JOHN ST

BEAM LAYOUT

CUSTOMER -- J W A

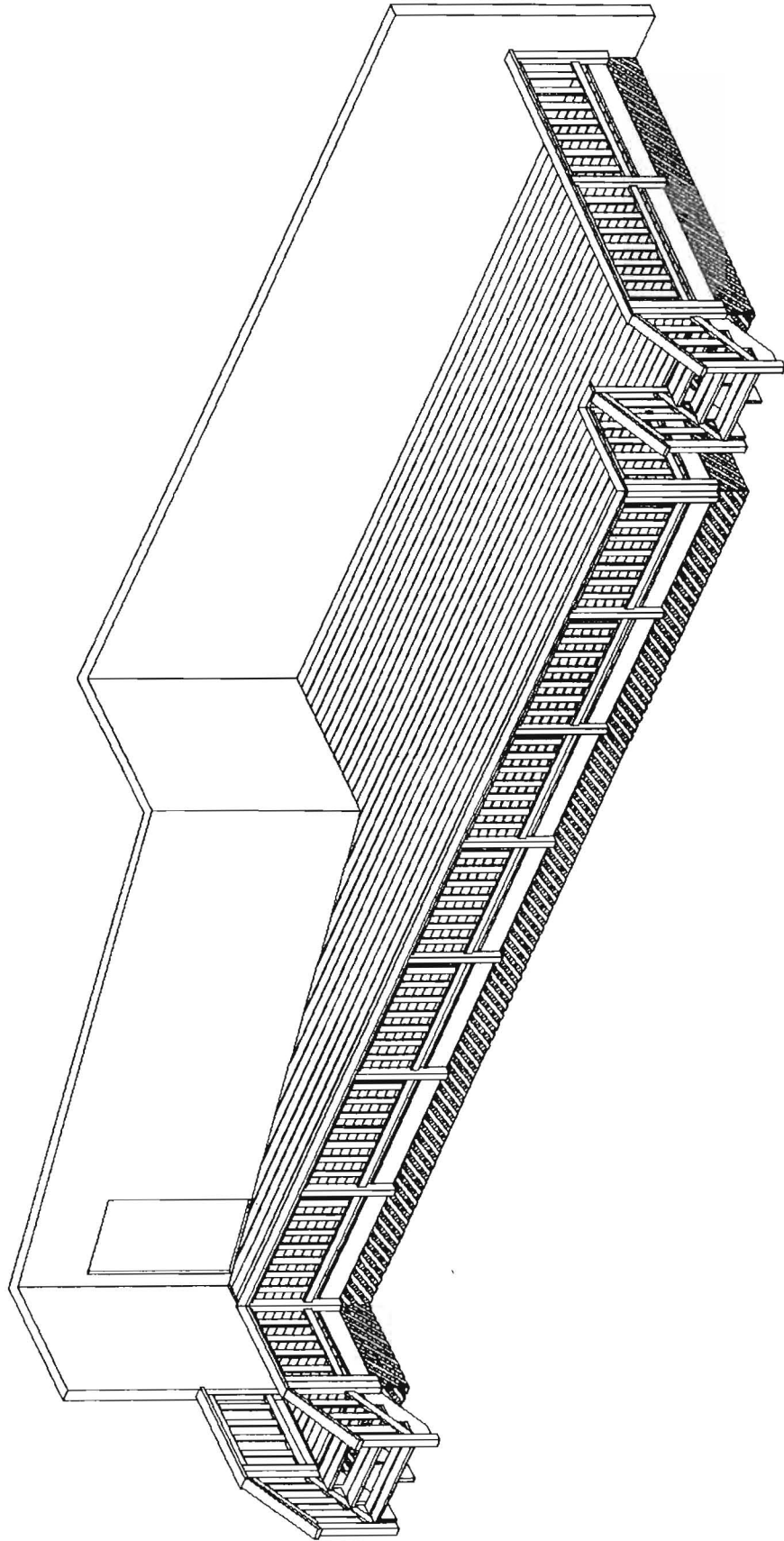
DATE 05/08/96 REF JWA39448



BEAM LABEL	BEAM LENGTH	POST COUNT	POST SPACING
A	18'1 3/16"	3	8'9 1/4"
B	29'4 1/2"	6	5'9 13/16"
C	4'7 1/2"	2	4'4"
D	39'7 1/2"	8	5'7 7/16"
E	3'9"	2	3'5 1/2"

Post spacing is measured center-to-center.

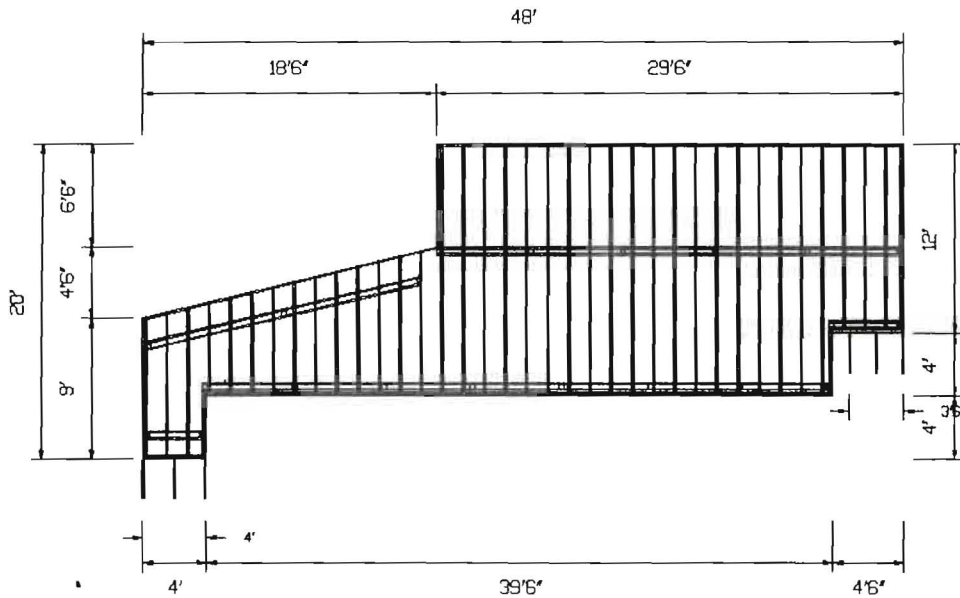
Depth of concrete footers --- 48 inches.



PLAN VIEW

CUSTOMER -- J W A

DATE 05/08/96 REF JWA39448



Load and support :

- Your deck will support a 50 PSF live load. Posts have 48" below-ground post support.

Deck and post height :

You selected a height of 24" from the top of decking to level ground. Therefore, the top of the deck support posts will be 13.25" above level ground. Your salesperson can provide information for uneven or sloped ground.

Joists :

Set joists on top of beams, 16" center to center.

Be sure to follow the deck construction detail available from your store salesperson.

Note : The design requires knee braces, beam splices and bridging between joists. Your materials list includes the necessary items. The suggested design is not a finished building plan. You are responsible for all measurements being correct, for verifying that the design (and any substitutions or modifications that you make) meets all local building codes and requirements. To verify that the suggested design, and any substitutions or modifications, is consistent with conditions at the construction site, review the design with your architect. Also consult your architect for proper construction and use of materials in the structure.

the conditioned space shall not exceed 10 degrees F. (5.5 degrees C.).

Exceptions

1. *Makeup air* that is part of the air conditioning system.
2. *Makeup air* that does not decrease the comfort conditions of the occupied space.

SECTION M-505.0 GREASE REMOVAL

M-505.1 General: The air exhausted in every commercial exhaust hood shall pass through grease filters or a grease removal device.

M-505.2 Removal device: Grease removal devices shall bear the *label* of an approved agency, and shall be installed in accordance with the manufacturer's instructions for the *labeled* equipment.

M-505.3 Filters: Grease filters shall bear the *label* of an approved agency. *Access* shall be provided to all grease filters.

M-505.3.1 Angle of filter: Grease filters shall be installed at a minimum angle of 45 degrees (0.79 rad) to the horizontal. The filters shall be arranged so as to capture and drain grease to a point of collection.

M-505.3.2 Height above cooking surfaces: Grease filters shall be installed a minimum height above the cooking surface as specified in Table M-505.3.2.

Exception: With cooking devices without exposed flame and where flue gases bypass filters, filters shall be installed at an effective height of not less than 6 inches (152 mm) above cooking surfaces.

**Table M-505.3.2
HEIGHT OF GREASE FILTERS**

Type of cooking equipment	Height above cooking surface ^a
Without exposed flame	2½ feet
Exposed flame	3½ feet
Charcoal burning	4 feet

Note a. 1 foot = 304.8 mm.

M-505.3.3 Size: Grease filters shall have a minimum area of 1 square inch (645 mm²) for every 2 cubic feet per minute (.0009 m³/s) of air exhausted.

Exception: Filters and grease extractors which are of such size, type and arrangement as to permit the required quantity of air to pass through such units at rates not exceeding those for which the filter or unit was designed and approved shall be acceptable.

SECTION M-506.0 COMMERCIAL DUCT SYSTEMS

M-506.1 Duct design: The duct system shall be an independent system designed for the removal of kitchen exhaust without any obstructions that are capable of collecting grease or residue. A point of collection shall be provided at the base of each vertical rise.

M-506.2 Duct construction: The ducts shall be constructed of steel or stainless steel. The minimum nominal thickness of steel shall be 0.060 inch (No. 16 Manufacturers Standard Gage). The

minimum nominal thickness of stainless steel shall be 0.050 inch (No. 18 U.S. Standard Gage).

M-506.2.1 Joints: All external joints and seams shall be welded liquid tight. Duct connections to the hood shall be welded liquid tight.

Exception: Joints that bear the *label* of an approved agency and which connect the hood to the duct are not required to be welded liquid tight.

M-506.3 Air velocity: The air velocity in the duct shall be a minimum of 1,500 feet per minute (7620 mm/s) and a maximum of 2,200 feet per minute (11176 mm/s).

M-506.4 Enclosed in shaft: Ducts that penetrate a floor, wall or fire-resistance rated assembly shall be enclosed in a fire-resistance rated shaft in accordance with the building code listed in Chapter 21. A minimum clearance of 6 inches (152 mm) shall be maintained between the shaft and the duct. *Access* openings shall be provided at cleanout points.

M-506.5 Horizontal cleanouts: Cleanouts shall be located on horizontal sections of ducts spaced not more than 20 feet (6096 mm) apart. The cleanouts shall be located on the side of the duct having a minimum opening dimension of 12 inches (305 mm) or on the width of the duct where less than 12 inches (305 mm).

M-506.6 Fan motor: The motor to an exhaust fan shall be located outside the exhaust air stream.

M-506.7 Duct termination: Ducts shall exhaust to the outdoors. The location of the system termination shall conform to the requirements of Section M-308.0 and shall be a minimum of 10 feet (3048 mm) above the adjoining finished ground level. The discharge shall direct exhaust away from the building.

M-506.7.1 Termination above the roof: Ducts that terminate above the roof shall have the discharge located a minimum of 40 inches (1016 mm) above the roof surface.

M-506.7.2 Termination through an exterior wall: The exterior wall in which a duct terminates shall be *noncombustible* in accordance with the building code listed in Chapter 21. Other exterior openings shall not be located within 3 feet (914 mm) of the duct termination.

M-506.8 Cutting or notching: A structural member shall not be cut, notched or pierced in excess of the limitations specified in the building code listed in Chapter 21, unless proven safe by a structural analysis.

SECTION M-507.0 CLEARANCE IN COMMERCIAL SYSTEMS

M-507.1 General: Commercial exhaust system hoods and ducts shall have a minimum clearance of 18 inches (457 mm) to *combustible materials*. For the purposes of this section, "combustible materials" shall be as defined in the building code listed in Chapter 21. Exposed surfaces within 18 inches (457 mm) of the cooking surface or hood opening shall be finished with smooth, readily cleanable, nonabsorbent material.

SECTION M-508.0 SUPPRESSION FOR COMMERCIAL SYSTEMS

M-508.1 Fire suppression system required: All cooking surfaces, kitchen exhaust systems, grease removal devices and hoods shall be protected with an approved automatic fire sup-

Exception: Smoke detectors are not required in the return air system where the space served by the air distribution system is protected by a system of area smoke detectors in accordance with the building code listed in Chapter 21.

M-309.2.2.1 Return risers: Smoke detectors shall be installed at each story, upstream of the connection between a return riser serving two or more stories, and air ducts or plenums in return air systems with a design capacity greater than 15,000 cfm (7.08 m³/s).

M-309.3 Installation: Smoke detectors required by this section shall be installed in accordance with NFPA 72E listed in Chapter 21. Access shall be provided to smoke detectors for inspection and maintenance.

M-309.4 Controls operation: Upon activation, the smoke detectors shall shut down the air distribution system. Air distribution systems that are part of a smoke control system shall switch to the smoke control mode upon activation of a detector.

M-309.4.1 Supervision: The smoke detectors shall be connected to a fire protective signaling system. The actuation of a smoke detector shall activate a visible and audible supervisory signal at a constantly attended location.

Exceptions

1. The supervisory signal at a constantly attended location is not required where the smoke detector activates the building's alarm-indicating appliances.
2. In occupancies not required to be equipped with a fire protective signaling system, actuation of a smoke detector shall activate a visible and an audible signal in an approved location. Smoke detector trouble conditions shall activate a visible or audible signal in an approved location and shall be identified as air duct detector trouble.

SECTION M-310.0 FILTERS

M-310.1 Approval: Except for occupancies in Use Groups R-2 and R-3, air filters shall bear the label of an approved agency. In occupancies in Use Groups R-2 and R-3, air filters shall be designed for the intended installation.

M-310.2 Location: Access to filters shall be provided. Filters shall be installed so as to be readily removable.

M-310.3 Air flow over the filter: Ducts shall be constructed to allow an even distribution of air over the entire filter.

SECTION M-311.0 HAZARDOUS EXHAUST SYSTEMS

M-311.1 General: The provisions of this section shall govern the construction of a duct system for hazardous exhaust. Hazardous exhaust systems shall include the removal of flammable vapors, spray-painting residue, corrosive fumes, dust and stock.

M-311.2 Independent system: Hazardous exhaust systems shall be independent of other exhaust systems. Hazardous exhaust systems shall not share common shafts with other duct systems, except where such systems are hazardous exhaust systems originating in the same fire area.

M-311.3 Penetrations: Penetrations of structure elements by a hazardous exhaust system shall conform to Sections M-311.3.1 through M-311.3.4.

M-311.3.1 Floors: Hazardous exhaust systems that penetrate a floor level shall be enclosed in a fire-resistance rated shaft in accordance with the building code listed in Chapter 21.

M-311.3.2 Fire separation assemblies: Hazardous exhaust duct systems that penetrate fire separation assemblies shall be enclosed in fire-resistance rated construction from the penetration of the first fire-resistance rated assembly to the outside exhaust opening, except where an approved automatic fire suppression system protects the interior of the ducts. The fire-resistance rating of the enclosure required by this section shall not be less than the fire-resistance rating of the highest fire-resistance rated fire separation assembly penetrated.

M-311.3.3 Fire walls: Ducts shall not penetrate a fire wall.

M-311.3.4 Fire dampers: Fire dampers are not required at penetrations of fire-resistance rated assemblies.

M-311.4 Suppression required: Ducts shall be protected with an approved automatic fire suppression system installed in accordance with the building code listed in Chapter 21.

Exception: An approved automatic fire suppression system shall not be required in ducts conveying materials, fumes, mists and vapors which are nonflammable and noncombustible.

M-311.5 Equipment in air stream: Fans and mechanical equipment shall not be located within the air stream unless specifically approved for such installation.

M-311.6 Duct construction: Ducts shall be constructed of G90 galvanized sheet steel in accordance with ASTM A525 listed in Chapter 21, with a minimum nominal thickness as specified in Table M-311.6.

**Table M-311.6
MINIMUM DUCT THICKNESS**

Diameter of duct or maximum side dimension	Minimum nominal thickness		
	Nonabrasive materials	Nonabrasive/abrasive materials	Abrasive materials
0 - 8 inches ^a	0.028 inch (No. 24 Gage)	0.034 inch (No. 22 Gage)	0.040 inch (No. 20 Gage)
9 - 18 inches ^a	0.034 inch (No. 22 Gage)	0.040 inch (No. 20 Gage)	0.052 inch (No. 18 Gage)
19 - 30 inches ^a	0.040 inch (No. 20 Gage)	0.052 inch (No. 18 Gage)	0.064 inch (No. 16 Gage)
Over 30 inches ^a	0.052 inch (No. 18 Gage)	0.064 inch (No. 16 Gage)	0.079 inch (No. 14 Gage)

Note a. 1 inch = 25.4 mm.