Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

PHILDING INCRECTION

Permit Number: 0618

epting this permit shall comply with all

ances of the City of Portland regulating

Director - Building & Inst

e of buildings and yetures, and of the application on file in

Attached	•	PE	RIVIN	1 Clinic IV	unber: 001602	
This is to certify that	LANDMARCK HEALTHCA			struc	PERMIT ISSUE)
has permission to	New 4 Story Medical Office	lding V	see #07-00	for foundation only		
AT 50 ST JOHN ST			C	073 A001001	MAR 8 2007	1

ine and of the

ion a

rm or

provided that the person or persons of the provisions of the Statutes of the construction, maintenance and this department.

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

I ificatio f insper on muse e en and we en perm on proced to bre this liding or art there is led or en artificial osed-in 4 JR NO.

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

OTHER REQUIRED APPROVALS

Fire Dept. ______

Health Dept. _____

Appeal Board _____

Other _____

Department Name

PENALTY FOR REMOVING THIS CARD



City of Portland, Main 389 Congress Street, 0410	_			06-1802	Issue Date	•	073 A00	01001	
Location of Construction:	Owner Name:			er Address:	<u> </u>		Phone:		
50 ST JOHN ST		K HEALTHCARE I		N. JEFFERSO	l money				
Business Name:				Contractor Address:			Phone		
	Ledgewood C	onstruction	27 1	Maine St. So. I	Portland		20776718	666	
Lessee/Buyer's Name	Phone:		Perm	it Type:				Zone:	
			Co	mmercial				C-4	
Past Use:	Proposed Use:		Pern	nit Fee:	Cost of Wor	·k: Cl	EO District:]	
Vacant Land	•	e Building - New 4		\$68,095.00	\$6,800,0		3		
	Vanilla Box	Office Building	FIR	E DEPT:	Approved	INSPECT		T 1/	
	V diffild Box				Denied	Use Group	"〈	Type:	
						l .		17//	
Proposed Project Description:						\ \	5/2X 5	Z	
New 4 Story Medical Office	Building Vanilla Box -se	ee #07-0072 for	Signa	ature Con Co	d.000	Signature/	Th. (T	
foundation only	<u> </u>			ESTRIAN ACTIV	VITIES DIST	TRICT (P.A	.D.)	-	
			Actio	on: Approv	ed 🔲 App	proved w/Co	nditions [Denied	
			Sign	ature:		D	ate:		
Permit Taken By:	Date Applied For: 12/19/2006			Zoning	Approva	ıl			
Idobson		Special Zone or Re	views	Zonin	g Appeal		Historic Prese	rvation	
1. This permit application of Applicant(s) from meeting Federal Rules.		Shoreland N	4	Variance			Not in Distric		
Building permits do not septic or electrical work		Wetland	Ω-	Miscellar	neous		Does Not Req	uire Review	
3. Building permits are voi within six (6) months of	d if work is not started	Flood Zone PA	relig	Condition	nal Use		Requires Revi	iew	
False information may in permit and stop all work	nvalidate a building	Subdivision		Interpreta	ation		Approved		
		Site Plan 2005 - 1	0192	Approved	i		Approved w/C	Conditions	
PERMIT IS	SSUED	1 1	1M To	Denied			Denied	2	
		Date: Que	1276	Date:		Date:)	
MAR 8	3 2007	Daile.	4216	 		Buie		/	
CITY OF PO				•					
		CERTIFICA	TION						
I hereby certify that I am the o	owner of record of the na			nosed work is	authorized	by the ow	mer of record	d and that	
I have been authorized by the jurisdiction. In addition, if a pshall have the authority to ento such permit.	owner to make this applipermit for work described	cation as his authori	zed agen s issued,	nt and I agree to I certify that the	o conform he code off	to all appl icial's autl	icable laws of horized repre	of this esentative	
SIGNATURE OF APPLICANT	-	ADDR	ESS		DATE		PHON	NE	
RESPONSIBLE PERSON IN CHAI	RGE OF WORK TITLE				DATE		PHON		

BUILDING PERMIT INSPECTION PROCEDURES Please call 874-8703 or 874-8693 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 pla	ce upon receipt of your building permit.
Footing/Building Location Inspec	tion: Prior to pouring concrete
Re-Bar Schedule Inspection:	Prior to pouring concrete
Foundation Inspection:	Prior to placing ANY backfill
Framing/Rough Plumbing/Electri	cal: Prior to any insulating or drywalling
Final/Certificate of Occupancy:	Prior to any occupancy of the structure or use. NOTE: There is a \$75.00 fee per inspection at this point.
Certificate of Occupancy is not required for you if your project requires a Certificate of (inspection Drub If any of the inspections do not occupance, REGARDLESS OF THE NOTICE	Occupancy. All projects DO require a final cur, the project cannot go on to the next
CERIFICATE OF OCCUPANICE BEFORE THE SPACE MAY BE OCCUPANICE.	
Signature of Applicant/Designee Signature of Inspections Official CBL: 73 A CO/ Building Permit #	03-12-07 Date $Date$ $03-12-07$ $Date$

City of Portland, M	aine - Building or Use Per	mit	rernnt No:	Date Applied For:	CBL:
389 Congress Street, 0	4101 Tel: (207) 874-8703, Fa	ax: (207) 874-8716	06-1802	12/19/2006	073 A001001
Location of Construction:	Owner Name:	0	wner Address:		Phone:
50 ST JOHN ST	LANDMARCK H	EALTHCARE FA 8	39 N. JEFFERSO	N ST SUITE 200	
Business Name:	Contractor Name:	Co	ontractor Address:		Phone
	Ledgewood Constr	ruction 2	7 Maine St. So. P	ortland	(207) 767-1866
Lessee/Buyer's Name	Phone:	Pe	ermit Type:		<u></u>
			Commercial		
Proposed Use:		Proposed	Project Description:		
Medical Office Building	- New 4 Story Medical Office B	uilding New 4 S	Story Medical Off	ice Building Vanilla	Box -see #07-0072
Vanilla Box		for foun	dation only		
 					·
Dept: Zoning	Status: Approved with Condi	itions Reviewer:	Marge Schmucka	Approval Da	ate: 02/27/2007
Note: has been on hold	l until 2/26/07				Ok to Issue:
1) Separate permits sha	Il be required for any new signage	e. All signage shall be	reviewed by the I	Planning Authority.	
2) This permit is being work.	approved on the basis of plans su	bmitted. Any deviation	ons shall require a	separate approval be	efore starting that
Dept: Building	Status: Approved with Condi	itions Reviewer:	Mike Nugent	Approval Da	ate: 03/05/2007
Note:			C		Ok to Issue:
Dept: Fire	Status: Approved with Condi	tions Reviewer:	Cptn Greg Cass	Approval Da	ate: 03/01/2007
Note:					Ok to Issue:
1) Seperqate fire alarm	plans shall be submitted.				
2) Seperate sprinkler pl	ans shall be submitted				
•	all be connected by a master box	connection			
2, 1 ii c aiai iii systeiii sii	an de connected by a master box	Confection,			

Data Amplied For

Comments:

12/20/2006-Idobson: From Jean in Planning

Please continue to hold on this- there are legal isues but Penny was ill today so I could not establish where that has got to.

In addition, I need to check re the conditions and Performance Guarantee on this and have not been able to reach all the relevant parties. Revised site plans have not been submitted.

12/20/2006-Idobson: This is in Marge's area w/ note from Jean Fraser

Location of Construction:	Owner Name:	Owner Address:	Phone:		
50 ST JOHN ST	LANDMARCK HEALTHCARE FA	839 N. JEFFERSON ST SUITE 200			
Business Name:	Contractor Name:	Contractor Address:	Phone		
	Ledgewood Construction	27 Maine St. So. Portland	(207) 767-1866		
Lessee/Buyer's Name	/Buyer's Name Phone:				
		Commercial			

2/27/2007-ldobson: I have completed the IBC compliance review and will need the following clarifications/or additional information. I've discovered that the permit still needs final City Fire and Zoning sign-offs, so I'll be bringing it to City Hall first thing on Monday to get that taken care of. Hopefully, timing wise, they will be done with it quickly and the additional information that I request today will come back to me at the same time, allowing final clean sign off. My review is done so this is the final list:

(This info was not readily available in the plans or spec book)

- 1) Please confirm that the wall and ceiling finishes in the Atrium are Class Be or better (Section 404.7)
- 2) Please confirm that the ampacity and or voltage total in the electrical rooms is below that of which requires two means on egress in the National Electrical Code.
- 3) Please provide a code justification for the omission of the smoke/fire dampers in the ducts that penetrate the atrium enclosure.
- 4) Please confirm that all carpeting will comply with Section 804.3 and 804.4 of the 2003 IBC.
- 5) Please a\provide a compliance summary for section 1007.6; Area of Refuge.
- 6) Please confirm that the horizontal sliding doors will comply with all elements of Section 1008.1.3.3 of the 2003 IBC.
- 7) Please confirm that the Alternating Tread Device will comply with all elements of Section 1009.10 of the 2003 IBC. (HANDRAILS!!!!)
- 8)Please confirm that all Glass and Glazing will comply with all elements of Chapter 24 of the 2003 IBC.
- 9)Please confirm that the tunnel ventilation will comply with Section 3104.11 of the 2003 IBC.
- 10) Please confirm that all doors used to protect openings in required fire separation assemblies will comply with the applicable elements of Section 715 of the 2003 IBC.
- (Elevator doors, vertical exit doors, corridor doors, tunnel doors ETC., also need UL 1784 compliance with most of these.

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: WE Total Square Footage of Proposed Structure		1
	82,186	35 Act	٠.
٠ ا	Tax Assessor's Chart, Block & Lot Chart# Block# Lot#	Owner: (BUILDING) PORE PWER WESICAL COMPLEX UC	phone: 377-0500
E (14 A 27	Applicant name, address & telephone: Cost Of FORG PWEP INFORMAL COMPLEX UC Work: \$ 629 N JEPPERSON ST. SUNT 200	V) T(A) A
	75 2 2 754	(414) 277-0500 (08942) (414) 277-0500 (08942) (414) 277-10550 (1894) (660)	Fee: \$
	Current Specific use: Proposed Specific use:	ARELIK BULLDILKA	
	LIEU JENNER TO INCLUDE	MENIAL OFFICE BUILDING TO BE B JET CAMPUTS. THIS SUBPLISHED FOR PRIMARY HAC, ELECTED PRIMARY BUILD	+ FIRE
	ELEVATIVES & EXCT STAIR	s. Civil work fluto with Hospital i	ernitapilka
	ELEVATIVES & EXCT STAIR	5. CIVIL WORK AUTO WITH ADSPITAL I LEDGEWOOD CONSTRUCTION, 27 MAIN.	ernitapilka
	Contractor's name, address & telephone: OH Who should we contact when the permit is Mailing address:	S. CIVIL WORK HUED WITH HOSPITAL I LEDGEWOOD CONSTRUCTION, 27 MAIN. (207) 767-1866 S ready: ANTHONY LAMPAGE Phone: (414) 429-1855	eengapika speet, 802.0 75
	Contractor's name, address & telephone: OH Who should we contact when the permit is Mailing address:	Outlined in the Commercial Application Checklis	eengaptika street, 802.0 75
	Contractors name, address & telephone: Who should we contact when the permit is Mailing address: Please submit all of the information Failure to do so will result in the autorior to be sure the City fully understands the request additional information prior to the issue	Outlined in the Commercial Application Checklis	802.C 75 68095
	Contractor's name, address & telephone: Who should we contact when the permit is Mailing address: Please submit all of the information Failure to do so will result in the aut. In order to be sure the City fully understands the request additional information prior to the issue www.portlandmaine.gov, stop by the Building I. I hereby certify that I am the Owner of record of the been authorized by the owner to make this application in addition, if a permit for work described in this application.	outlined in the Commercial Application Checklistomatic denial of your permit. The full scope of the project, the Planning and Development Department of a permit. For further information visit us on-line at	t. 68095 artment may work and that I have to of this jurisdiction. ative shall have the

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

From:

Jean Fraser

To: Date: Schmuckal, Marge 3/1/2007 3:41:44 PM

Subject:

Re: Mercy

Marge,

I confirm that from the **Planning** viewpoint the Full Building Permits for the new Mercy Hospital and the MOB may be issued. You should have a stamped set of drawings associated with the Aug 8, 2006 approval as well as a Feb 2, 2007 approval letter and small plans relating to minor amendments to the hospital building.

Please note on the Permit file that a 30,000 gal above ground oil storage tank, the final details of the service area screening, and final lighting proposals in the vicinity of the railroad have not yet been submitted nor reviewed/approved and formal amendment applications for these are expected in the next couple of weeks (we have discussed them in principle).

Jean

>>> Marge Schmuckal 2/26/2007 3:56:07 PM >>>

Sorry

My error - I do have stamped approved site plans that I received from planning.

I am just confirming that we can sign off and issue these permits (with the corrected applicant name for the MOB).

THanks, Marge

CC:

Barhydt, Barbara; Bourke, Jeanie; Littell, Penny

(Andmark HealthCare tacilities Applicant: Mercy Hosp A / Ledgewood Date: 2/26/0) Address: 50 St. John V CHECK-LIST AGAINST ZONING ORDINANCE # 07-0072 Date zone Location-Condition Wanted Zone - C-Z6 Proposed Userwork-Africa Trevery for The 4 Story MOB Interior or corner lot foundation Only - mile N. instructions the first Staff to 188 me without Servage Disposal - Co . full Sign-by Lot Street Frontage -165'SCAlcel Front Yard - 20 mm Rear Yard = 10 mm -314 ScAla Side Yard- 10' mm - 180' Scalad & Wellover Soo'The O/her WAY 227/07#06-1802 652.25 show to top of Steel 62.25 to top of Screen will Projections wheeklaten on or Height - 90 MAX THE WEST Lot Area -Lot Coverage Impervious Surface -Area per Family - NA southside 458 - Norths-de show Off-street Parking - Determined by PB Loading Bays - N/A under contract Site Plan - 2005 - 0192 Shoreland Zoning/Stream Protection - NHA Flood Plains - Ppnel 13b - Zone (signs to be Approved Ben Plann of Parement Schook from boundaries - 15' - 20' Atcloses

Francis Cauffman Foley Hoffmann

Francis Cauffman Foley Hoffmann, Architects Ltd.

2120 Arch Succt Philadelphia, PA 19103-1308 215 568-8250 215 568-2639 fax wyw, feth-did com

MEMO

To:

Plan Reviewer - City of Portland, Maine

From: William Gariano

Date: February 27, 2007

Mike Nugent

Subject: Landmark - Fore River Medical Pavillon

Portland, Maine

Response to Plan Review Email

n, Maine RECEIVED

DEPT. OF EURANO IUSPECTION CITY OF PORTLAND, ME

FEB 2 8 2007

The following is response to your February 24, 2007 email to Landmark:

- 1) Please confirm that the wall and ceiling finishes in the Atrium are Class B or better (Section 404.7) **Response**: Wall and ceiling finishes meet a minimum of Class B See Product Attachments.
- 2) Please confirm that the ampacity and or voltage total in the electrical rooms is below that of which requires two means on egress in the National Electrical Code.

Response: NEC Article 110.26(C)(2) requires an exit from each end of the working space in front of equipment rated 1200 amps or larger. However, only one exit is required if either:

- 110.26 (C)(2)(a) There is an unobstructed path of egress. Or
- 110.26(C)(2)(b) The depth of the working space is twice that required by code.
- 3) Please provide a code justification for the omission of the smoke/fire dampers in the ducts that penetrate the atrium enclosure.

Response: Fire dampers are not required under exemption 1 of section 716.5.4 of IBC 2003. The walls in question was interpreted to be a 1 hour fire rated corridor wall in a building that is NOT Group H and is fully sprinkled.

- 4) Please confirm that all carpeting will comply with Section 804.3 and 804.4 of the 2003 IBC. **Response**: Carpet finishes meet a minimum of Class B See Product Attachments
- 5) Please provide a compliance summary for section 1007.6; Area of Refuge. **Response**: One wheel chair space (30" x 48") is located at the 2nd, 3rd & 4th Floor Landings in Stairs "A" & "B" that is clear of the exit egress path (arch) of the stairs. First Floor "Area of Refuge" will be handled within the one hour fire rated Atrium. See stair plan attachment.
- 6) Please confirm that the horizontal sliding doors will comply with all elements of Section 1008.1.3.3 of the 2003 IBC.

Response: Power Operated (Sliding Entrance) Doors have break away swing leafs and comply with Section 1008.1.3.2 Power Operated Doors & 1008.1.3.3 Horizontal sliding doors. See attachment – Basis of Design product Data.

2 of 2

7) Please confirm that the Alternating Tread Device will comply with all elements of Section 1009.10 of the 2003 IBC. (HANDRAILS!!!!)

Response: The Alternating Tread Device complies with Section 1009.10 & 1009.11 – Handrails. The project's Alternating Tread Devices has handrails on each side. See Basis of Design – Product Information.

- 8) Please confirm that all Glass and Glazing will comply with all elements of Chapter 24 of the 2003 IBC. **Response**: Glass requirements, including wind, snow, seismic and dead load requirements shall comply with the "Performance Requirements" listed in Section 08600 Aluminum Curtain Wall and Quality Assurances in Sections 08410 Aluminum Entrances Storefront and Section 08520 Aluminum Windows.
- 9) Please confirm that the tunnel ventilation will comply with Section 3104.11 of the 2003 IBC. **Response**: IBC 2003 section 3104.11 Ventilation, calls for smoke and heat vents in tunnels as required for group F-1 occupancies in accordance to section 910. Section 910.2.1 states the vent requirement to apply for the building or portions thereof being considered Group F-1, to have an area greater than 50,000 square feet. The tunnel portion of the building to be considered Group F-1 occupancy is only 650 square feet.
- 10) Please confirm that all doors used to protect openings in required fire separation assemblies will comply with the applicable elements of Section 715 of the 2003 IBC.

(Elevator doors, vertical exit doors, corridor doors, tunnel doors ETC.) also need UL 1784 compliance with most of these.

Response: All Door Fire Ratings are noted on the Door Schedule and comply with Table 715.3 – Fire Door and Fire Shutter Fire Protection Ratings in a rated partition. Elevators Hoistway Doors will match the shaft enclosure fire rating, as noted on the drawings.

Foley	Hoffmann
I	L

Wolf-Gordon -- Product Specifications





Image dépicts 8 in x 8 in section

Product Specifications

WALL COVERING

PRODUCT TYPE: Vinyl Wallcovering
COLLECTION: Summit III
STYLE NAME: Contour
STYLE #: N/A
COLORWAY
NAME:

COLORWAY #: CTR 7-282

	COMPOSITION	
EXACT CONTENT	: Vinyl	
	CONSTRUCTION	
BACKING	Osnaburg (Non Specific)	
	PRODUCT BACKGROUND	
COUNTRY OF ORIGIN	USA	
	DESIGN CHARACTERISTICS	
DOMINANT COLOR:	Grey-Warm Light	
PATTERN SCALE:	Texture	
PATTERN LAYOUT:	Non-Directional	
	DIMENSIONAL ELEMENTS	
EXACT WIDTH:	54 in (137.20 cm)	
WEIGHT TYPE:	Type II	
TOTAL WEIGHT:	21 oz/linear yd	
PATTERN REPEAT:	No Repeat	
	ENVIRONMENTAL	
MANUEACTURERS	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	A*

ENVIRONMENTAL STATEMENT: All inks & adhesives used are waterbased. No heavy metals used.

PERFORMANCE / TEST RESULTS

PHYSICAL PROPERTIES: NYC & NYS Toxicity tested. MEA # available upon request.

₩ ...

FLAMMABILITY: ASTM E84-91a Flame Spread Rate: 15

SMOKE DENSITY TEST: ASTM E84 Smoke Developed Factor: 20

MANUFACTURER'S NOTES

CUSTOM COLORS AVAILABLE: Y

PRODUCT ADVANTAGES: Exclusive Wolf-Gordon Design

INSTALLATION / MAINTENANCE

MATCH TYPE: Random

INSTALLATION GUIDELINES: Available upon request.

ORDERING / SHIPPING

MINIMUM ORDER: 750 yds

LEAD TIME: 4 Weeks

QUICK SHIP: Y

INTERNATIONAL SHIPPING: Y

PACKAGE SIZE: 30 yd bolt

IDENTIFYING INFORMATION

BRAND SKU #: N/A

TN SKU #: WOFCTR7-282

CATALOG ID: 142870

STATUS

STATUS: Available

STATUS DATE: 22-Jun-04

LAST UPDATE: 15-Nov-06

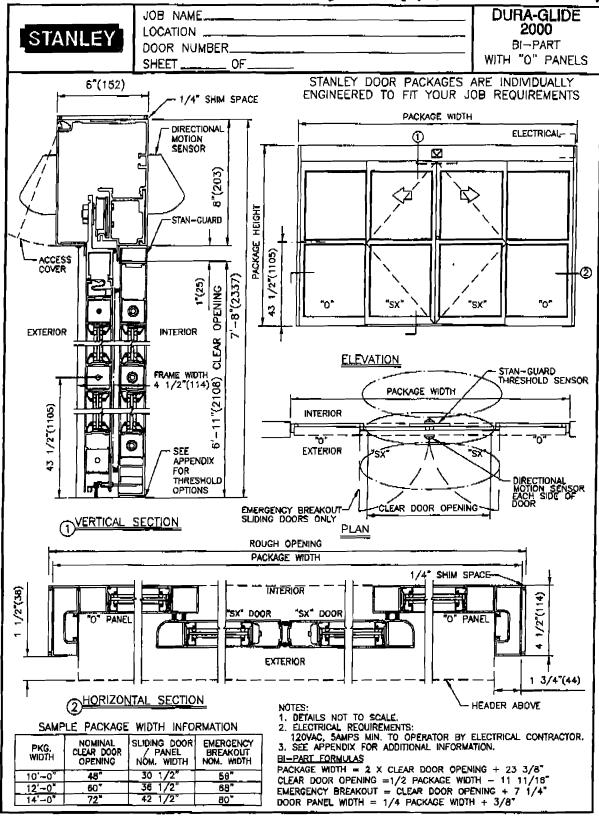
catalog.wolf-gordon.com

Warranty Information Vinyl Permeability

Powered by tectoruc Studio US Patent #6,459,435

Wolf-Gordon Customer Service 800.347.0550

BASIS OF DESIGN-AUTO SLIDING ENTRANCE DOOR (SECTION OBAGO)



Page 1.1.25



SLIDING AUTOMATIC ENTRANCES SECTION 08 42 29.23 [08460]

SECTION 08 42 29.23 [08460] SLIDING AUTOMATIC ENTRANCES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. This Section includes the following types of automatic entrance doors:
 - Exterior and interior, single slide and bi-parting, sliding automatic entrance doors.

B. Related Sections:

- Division 7 Sections for caulking to the extent not specified in this section.
- Division 8 Section "Aluminum-Framed Entrances and Storefronts" for entrances furnished separately in Division 8 Section.
- Division 8 Section "Door Hardware" for hardware to the extent not specified in this Section.
- Division 8 Section Glazing for materials and installation requirements of glazing for automatic entrance doors.
- Division 16 Sections for electrical connections including conduit and wiring for automatic entrance door operators.

1.03 REFERENCES

General: Standards listed by reference, including revisions by issuing authority, form a part of this specification section to extent indicated. Standards listed are identified by issuing authority, authority abbreviation, designation number, title or other designation established by issuing authority. Standards subsequently referenced herein are referred to by issuing authority abbreviation and standard designation.

- A. Underwriters Laboratories (UL):
 - UL 325 Standard for Door, Drapery, Gate, Louver, and Window Operators and Systems.
- B. American National Standards Institute (ANSI) / Builders' Hardware Manufacturers Association (BHMA);
 - ANSI/BHMA A156.10: Standard for Power Operated Pedestrian Doors.
 - ANSI/BHMA A156.5: Standard for Auxiliary Locks and Associated Products
- C. American Society for Testing and Materials (ASTM);
 - ASTM B221 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
 - ASTM B209 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate
- D. American Association of Automatic Door Manufacturers (AAADM):
- E. National Fire Protection Association (NFPA):
 - 1. NFPA 101 Life Safety Code.
 - NFPA 70 National Electric Code.



SLIDING AUTOMATIC ENTRANCES SECTION 08 42 29.23 [08460]

- F. International Code Council (ICC):
 - IBC: International Building
- G. Building Officials and Code Administrators International (BOCA), 1999:
- H. International Conference of Building Officials (ICBO):
 - UBC 1997: Uniform Building Code
- International Organization for Standardization (ISO):
 - 1. ISO 9001 Quality Management Systems
- J. National Association of Architectural Metal Manufacturers (NAAMM):
 - Metal Finishes Manual for Architectural and Metal Products.
- K. American Architectural Manufacturers Association (AAMA):
 - 1. AAMA 607.1 Clear Anodic Finishes for Architectural Aluminum.
 - 2. AAMA 611 Voluntary Specification for Anodized Architectural Aluminum
 - AAMA 701 Voluntary Specification for Pile Weatherstripping and Replaceable Fenestration Weatherseals

1.04 DEFINITIONS

- A. Activation Device: Device that, when actuated, sends an electrical signal to the door operator to open the door.
- B. Safety Device: Device that prevents a door from opening or closing, as appropriate.

1.05 PERFORMANCE REQUIREMENTS

- A. Provide automatic entrance door assemblies capable of withstanding structural loads and thermal movements based on testing manufacturer's standard units in assemblies similar to those indicated for this Project.
- B. Thermal Movements: Provide automatic entrance doors that allow for thermal movements resulting from the following maximum change (range) in amblent and surface temperatures by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
 - Temperature Change (Range): 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.
- C. Operating Range: Minus 30 deg F (Minus 34 deg C) to 130 deg F (54 deg C).

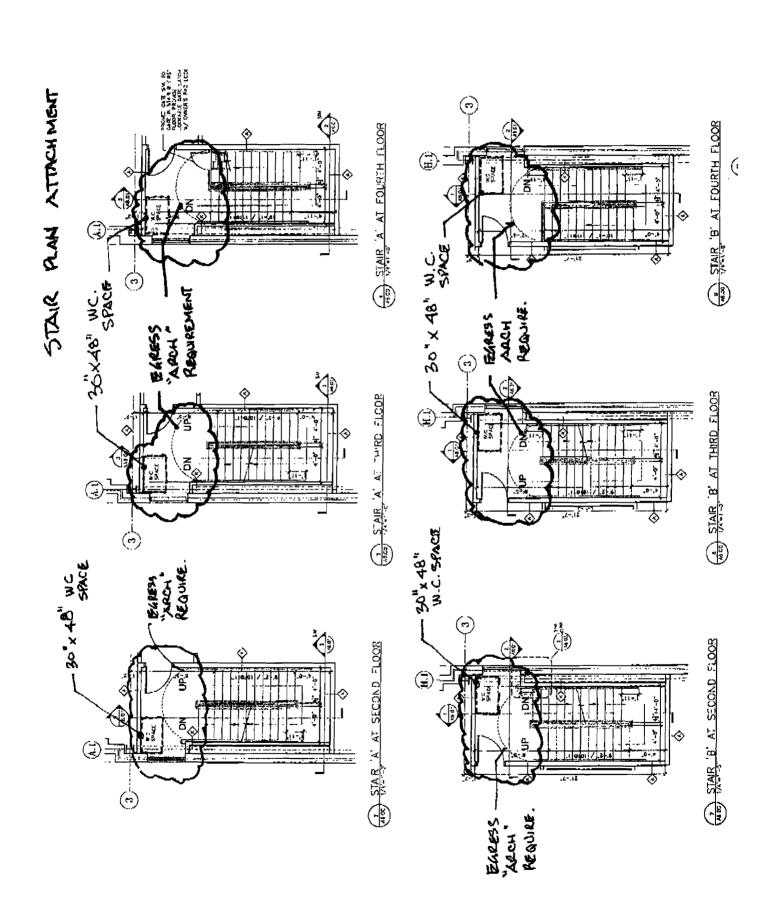


D. Opening-Force Requirements for Egress Doors: Not more than 50 lbf (222 N) required to manually set door in motion if power fails, and not more than 15 lbf (67 N) required to open door to minimum required width.



Closing-Force Requirements: Not more than 30 lbf (133 N) required to prevent door from closing.

December 20, 2006 Page 2 of 10



BASIS OF DESIGN-ALT. TREAD DEVICE

Page 1 of 1

AHeight

144,000 inches

B Riser Height

8.000 inches

CHorizontal Run DProjected Tread 64.447 inches 6.464 inches

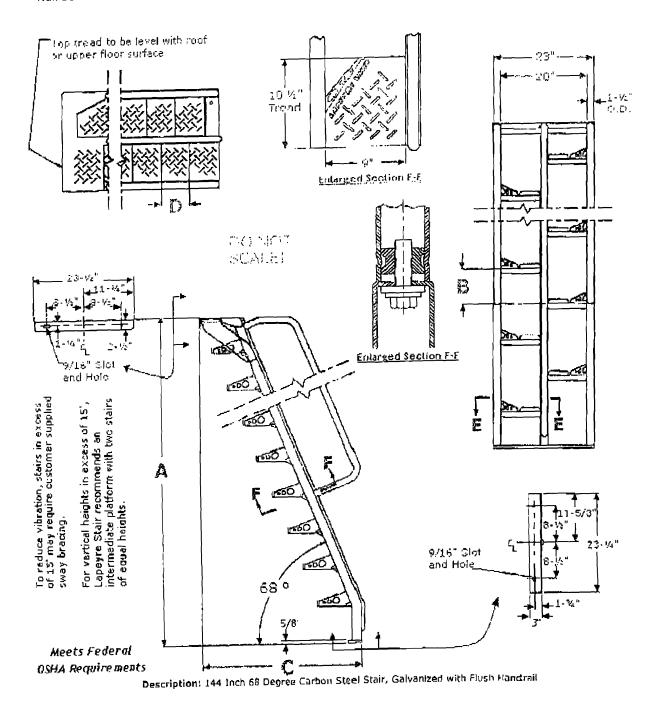
Number of Risers

18

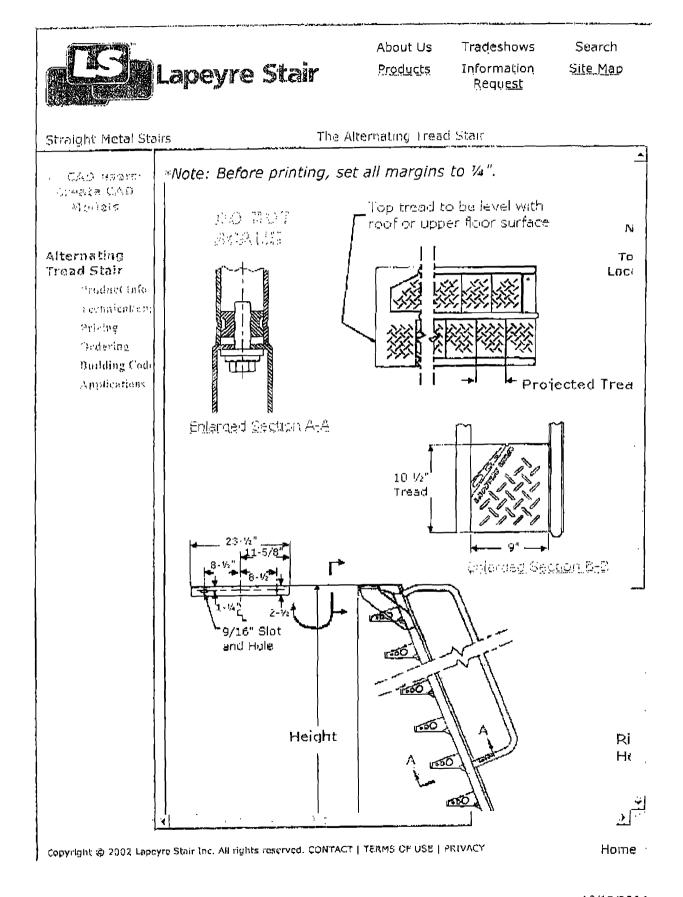
Lapeyre Stair, Inc. 1-800-535-7631

Lapeyire Stair manufactures products under one or more U.S. and foreign patents.

Unit Price (US Dollars): \$2,105.02



www.LapeyreStair.com



Alternating Tread Stair Handrall Options

Traditionally, the handrail of Lapeyre's Alternating Tread Stair is a close-fitting handrail with a 17" inside dimension. The close fitting handrail is an added safety feature, enclosing the body to provide additional upper body support.

However, some customers have indicated a need for additional space between the handralls. In response, Lapeyre Stair is now offering a "Straight" handrall option. Instead of narrowing partway down the stair, the handrall remains straight, giving an additional 3" between the handrall.

We continue to recommend the "Narrow" (Original) handrail for the added safety it provides. But if you need additional space, you may request the "Straight" handrail option. The description and dimensions for each rail is outlined in the chart below. The pricing does not change with the handrail option. Please call your customer service representative if you have any questions about which handrail you should use.

√ I	_
7	₹

	RAIL HEIGHT FROM TOP LANDING	INSIDE HANDRAIL DIMENSION	OUTSIDE HANDRAIL DIMENSION
Standard Narrow Handrall (original rail)	42"	17"	23"
Standard Straight Handrall (NEW wider rail)	42"	20"	23"
Optional Narrow Handrail (original rail) *For Roof Hatches	• 5-3/4" Stee! • 3-3/4" Aluminum	17"	23"
Optional Straight Handrail (NEW wider rail) *For Roof Hatches	• 5-3/4" Steel • 3-3/4" Aluminum	20"	23"
Flush Handrall *Not Available in Aluminum	0" - Terminates at Top Landing	20"	23"



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Straight Metal Stairs

The Alternating Tread Stair

 CAD users: Create CAD Models

The following condensed codes or proposals address the use of alternating tread stairs in certain applications. The codes themselves and/or local code officials should be consulted for specific requirements. To obtain a copy of any of the following call 1-800-535-7631 or go to Request Additional Information to have it faxed or mailed to

Alternating Tread Stair

Product lafe Technical/Engine Pricing Ordering **Building Codes** Applications

U.S. Federal OSHA

OSHA has issued a letter stating that alternating tread stairs are safe, meet the intent of the OSHA Act, and no citations will be issued. This letter can be found on OSHA's website of "Standards Interpretation and Compliance Letters".

In April 1982, OSHA issued a directive to field compliance officers concerning the use of alternating tread stairs. This directive can also be found on OSHA's website: Instruction STD 1-1.11

OSHA's proposed revision of industry standards for workplace walking and working surfaces (29 CFR part 1910) addresses alternating tread stairs. (Section 1910.25, of Federal Register / Vol. 55, No. 69 / April 10, 1990 / Proposed Rules). The proposed rule is still outstanding and was re-opened in May 2003. You may view the status of this rule and the full document on their website under Walking and Working Surfaces; Personal Protective Equipment (Fall Protection Systems) - 68:23527-23568

INTERNATIONAL BUILDING CODE 2003

Alternating tread stairs are permitted as a means of egress for the following:

- 1. To mezzanines less than 250 sq ft in area and serving five occupants or less in building whose occupancy is F, H or S. (1009.10)
- 2. To prison guard towers, control rooms or observation decks less than 250 sq ft in area (1009.10)
- 3. To unoccupied roofs. (1009.12)

4. As one of two means of egress to boiler rooms, incinerator rooms, furnance rooms or refrigeration machinery rooms. (1014.3.4)

5. To stage catwalks, galleries and gridirons leading to a floor or roof (1014.6.1)

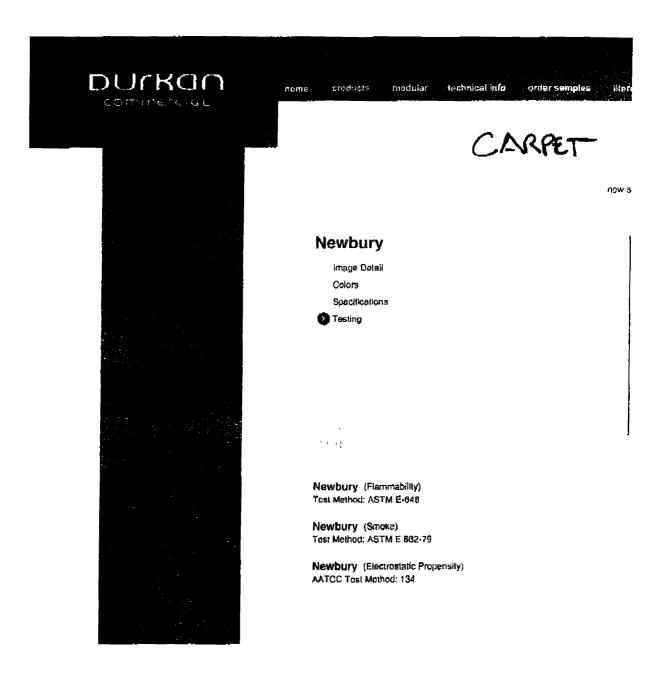
Alternating tread stairs are also permitted for access to equipment platforms as a non means of egress (505)

The 1994 edition of the Standard Building Code normite

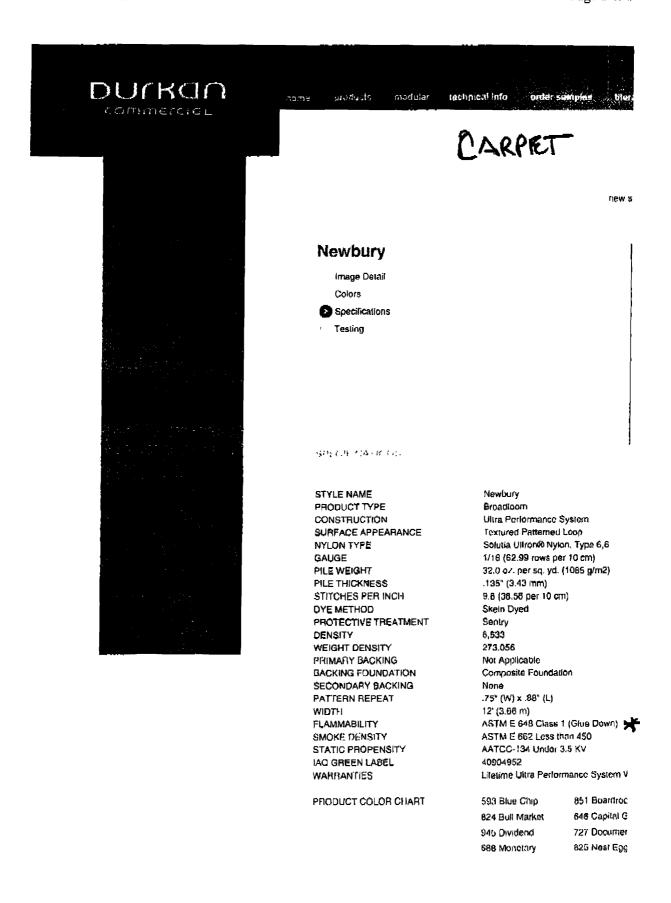
SBCCI

Copyright © 2002 Lapeyre Stair Inc. All rights reserved. CONTACT | TERMS OF USE | PRIVACY POLICY | WARRANTY.

Home |



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City of Portland, Ma	aine - Building or Use Permit		retilit No.	Date Applied For:	CBL:
389 Congress Street, 04	4101 Tel: (207) 874-8703, Fax: (20	07) 874-8716	06-1802	12/19/2006	073 A001001
Location of Construction:	Owner Name:	0	wner Address:		Phone:
50 ST JOHN ST	LANDMARCK HEALT	HCARE FA 8	339 N. JEFFERSC	N ST SUITE 200	
Business Name:	Contractor Name:	C	ontractor Address:		Phone
	Ledgewood Construction	n	27 Maine St. So. P	ortland	(207) 767-1866
Lessee/Buyer's Name	Phone:	P	ermit Type:		
			Commercial		
Proposed Use:		Proposed	Project Description:	 	
Medical Office Building Vanilla Box	- New 4 Story Medical Office Building		Story Medical Off ndation only	ice Building Vanilla I	3ox -see #07-0072
work.	Status: Approved with Conditions until 2/26/07 approved on the basis of plans submitted by the required for any new signage. All states are signaged as the signage of the signage of the signage.	ed. Any deviati		separate approval be	Ok to Issue: 🗹
Dept: Building	Status: Approved with Conditions	Reviewer:	Mike Nugent	Approval Da	te: 03/05/2007
Note:					Ok to Issue: 🔽
	I tenant fit up permits are required for o	each floor			
Dept: Fire Note:	Status: Approved with Conditions	Reviewer:	Cptn Greg Cass	Approval Da	te: 03/01/2007 Ok to Issue:
 1) Fire alarm system sha	all be connected by a master box conne	ection.			
Seperate sprinkler plant	·				
3) Seperque fire alarm	plans shall be submitted.				

Comments:

12/20/2006-ldobson: From Jean in Planning

Please continue to hold on this- there are legal issues but Penny was ill today so I could not establish where that has got to.

In addition, I need to check re the conditions and Performance Guarantee on this and have not been able to reach all the relevant parties. Revised site plans have not been submitted.

12/20/2006-ldobson: This is in Marge's area w/ note from Jean Fraser

"F" Fissured ACT CEILINGS

Technical Service 800 USG.4YOU
Web Site www.usg.com
Samples/Literature 888 874,2450
Samples/Literature Fax 888 874,2348
Customer Service 800 950,3839
Literature Number SC1816

						® nro	lassified							
	Edge	Pan	el Bíze	Class	item No	. NRC	GAC Min.	LA	Color	Grid Options	VOC		Recycled Content	Panel Cost
F" Fissimeo Ameis	(SO)	2'x2	2'x3/4"	Class A	131	.70	35	79	While	A, 8, C	Free		72%	ង
	''	2° X4	('x3/4"	Class A	135	.70	35	79	White	А, В	Free		72%	55
n.le	(<u>P</u> C)	2°x2	2'x3/4"	ClassA	132	.70	35	.79	White	D	Fraa		72%	\$\$
*		2'r4	l'x3/4"	Class A	136	.70	35	.79	White	D D	Free	,, , , ,	72%	\$\$
	(FU	2'x2	2'±3/4"	Closs A	133	.70	35	79	While	E, F. G	Free	. ,,	72%	\$\$
FISSURED THE ²⁴	(BESK)	12"1	(12"13/4"	Class A	102	.70 -(3)	25	.79	While	l 1	Free		72%	\$\$\$5
	(SESK)	12"	;12"x3/4"	Class A	101	.70	25	.79	White	l .	Free	4 Minimum	72%	2222
	A Come OX	-/	B Down OXW	C Centricité	E- DO	NH DX/DXI,	E CENTRICAT	CF	F FINCLINE® 1/6	G Fine me		H Down DX*/DXL Concealed	Done DX Concesio	
rid Profile Options	<u> </u>					, , , ,				2				
						e X	7.05	and to	a madualian M	fleenn Nocell	sky in th	ducts shows range e same panel or	ire Randes	are
				100	7,7			(3) CS	ndom and cann jiing height, ins	ol be specifi	iea. Jez ihods,	dure appearance and natural varial	wait vary to a tions of the p	ado on product.
				3				1						

ASTNI E1284 olassification Type III, Form 4, Partern D ASTNI Eight surfacer burning characteristics Class A Frame spread: 25 Sandrie de-skoped: 15

Tendure
The manufacturing process for cast calling panels creater natural, subtle tenture cartainns, which is a distinguishing feature of these products. Because of potential variances between production castes, we recommend your languard installing data produces by projection date code.

Footnoles

1. UT realizes as allown his averages.
2. Franzabehyde VDC Classification.
Classification for a control of the cont

extector

4. Compa) USG for rullessive
recommondations for 12" x12" glue-up
applications.

5. Not Ut. Classified for acoustics.

Safety First1
[obov good safety and industriel inglene praesces during handling and ingleshour of all products and systems the appropriate presources and vietre the appropriate presources protective optionent as resource. Lead related author that siness and related filterature on products before specification and/or installation.



Manufactured by USG interiors, Inc. 125 South Franklin Street Chicago, IL 60606 The following are undergates of USG Interfers, Inc. or a related administry. Controller, Constitute Dawn, DX. DXL. DXW, "F" Resum, Faculat, USG

ADDITIONAL INFORMATION

Chair pads are recommended under office chairs with relier casters to enhance promature or accolorated wear and solias a determination.

Walk-off mats are recommended at building colryways to reduce soiling.

To ensure a proper installation, a seam sealer must be used on all products with Reference to C.R.I. Manual #104-1994 is recommended for complete commercial

Backings or other materials may be changed without prior notice when shortagadvancements become available which provide for improvement of the product

This carpet is manufactured and recommended for indoor floor covering use or liability; real or implied when carpot is applied otherwise.

Product specifications are derived from averages, resulting from normal manuf temperature, humidity and color and may vary within normal industry tolerance change. Performance is not affected by such variances.

MohawkNet.com · GSA · Mohawk industries · Mohawk International · Legal No

DUROPLEX®

WALL (ACRYLIC)

High Performance Seamless Interior Coating

WHAT IS DUROPLEX®?

- An interior, high solids, one part water based acrylic coating,
- Designed to deliver high performance results at a moderate price.
- Applies directly to most common substrates. Class "A" non-combustible, non-toxic, very low VOC.
- Exceptional performance against mold and mildew growth.
- Use in lieu of vinyl wallcovering.

DUROPLEX® ADVANTAGES

- Very durable.
- 80% as hard as mild steel.
- Improves the strength of drywall.
- Significantly longer life cycle than vinyl wall covering.

10-YEAR PERFORMANCE WARRANTY

Against peeling, delaminating, cracking, and chalking.

10-YEAR MOLD/MILDEW WARRANTY

- High perm rate to achieve breathability.
- Engineered formulation which virtually eliminates food sources for organisms combined with Biophase® a long term mildewcide that provides unequaled performance (over three million square feet installed in tropical regions for ten [10] years without any trace of mildew).

SCRUBBABLE

- Not damaged by water.
- Most marks and scuffs removed after 7 10 days of curing, using a stiff scrub brush with liquid soap and water.

DESIGN OPTIONS

- Over twenty-five (25) textural effect/patterns and almost unlimited integral colors, both monochromatic and multi-color finishes.
- Call TRIARCH for samples or a design binder.

DELIVERY TIME

 Quick ship. Most small shipments leave the centrally located factory within 48 hours of an order.

FACTORY TRAINED APPLICATORS

- Over 600 factory trained applicators available nationally and internationally.
- We offer training programs to help insure quality control and minimize installation time.

COST

- Most projects install between \$1.00 \$2.00 per square foot.
- Actual job conditions, volume, wall elevations, and local labor may affect installed prices.

PRODUCT DATA

SPECIFICATIONS

- Water based acrylic
- Integral & Colorfast Pigments
- Barcol Hardness of 38
- O ASTM E-84. Flame spread = 15
- ♦ Smoke contribution = 5
- FAR 25.853(b), FAA Vertical Burn
- ♠ After Flame Time <0.1 seconds</p>
- O ASTM E-96, English Wet Perms = 28
- Final dry film thickness of 20 mils

SHIPPING AND STORAGE

- Shipped in 5 gallon plastic pails
- Protect from freezing
- Protect from heat over 100°F.
- Stack to maximum of three (3) bails high
- One (1) year shelf life

APPLICATION

O Roller or spray applied depending upon selected finish. Applied by factory trained applicators (i.e., Qualified Duroplex® Applicators). Applicator's field manual is available from the factory.

Location of Construction:	Owner Name:	Owner Address:	Phone:	
50 ST JOHN ST	LANDMARCK HEALTHCA	LANDMARCK HEALTHCARE FA 839 N. JEFFERSON ST SUITE 200		
Business Name:	Contractor Name:	Contractor Address:	Phone	
	Ledgewood Construction	27 Maine St. So. Portland	(207) 767-1866	
Lessee/Buyer's Name	Phone:	Permit Type:		
		Commercial	Commercial	

2/27/2007-Idobson: I have completed the IBC compliance review and will need the following clarifications/or additional information. I've discovered that the permit still needs final City Fire and Zoning sign-offs, so I'll be bringing it to City Hall first thing on Monday to get that taken care of. Hopefully, timing wise, they will be done with it quickly and the additional information that I request today will come back to me at the same time, allowing final clean sign off. My review is done so this is the final list:

(This info was not readily available in the plans or spec book)

- 1) Please confirm that the wall and ceiling finishes in the Atrium are Class Be or better (Section 404.7)
- 2) Please confirm that the ampacity and or voltage total in the electrical rooms is below that of which requires two means on egress in the National Electrical Code.
- 3) Please provide a code justification for the omission of the smoke/fire dampers in the ducts that penetrate the atrium enclosure.
- 4) Please confirm that all carpeting will comply with Section 804.3 and 804.4 of the 2003 IBC.
- 5) Please a\provide a compliance summary for section 1007.6; Area of Refuge.
- 6) Please confirm that the horizontal sliding doors will comply with all elements of Section 1008.1.3.3 of the 2003 IBC.
- 7) Please confirm that the Alternating Tread Device will comply with all elements of Section 1009.10 of the 2003 IBC. (HANDRAILS!!!!)
- 8)Please confirm that all Glass and Glazing will comply with all elements of Chapter 24 of the 2003 IBC.
- 9)Please confirm that the tunnel ventilation will comply with Section 3104.11 of the 2003 IBC.
- 10) Please confirm that all doors used to protect openings in required fire separation assemblies will comply with the applicable elements of Section 715 of the 2003 IBC.
- (Elevator doors, vertical exit doors, corridor doors, tunnel doors ETC., also need UL 1784 compliance with most of these.

			T _m ,
ocation of Construction:	Owner Name:	Owner Address:	Phone:
50 ST JOHN ST	LANDMARCK HEALTHCARE	E FA 839 N. JEFFERSON ST SUITE 200	
lusiness Name:	Contractor Name:	Contractor Address:	Phone
	Ledgewood Construction	27 Maine St. So. Portland	(207) 767-1866
essee/Buyer's Name	Phone:	Permit Type:	
		Commercial	

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10/6/6 # Ob 1801 Short Stay
10/6/6 # Ob 1801 Short Stay
10/15/66 # Ob 1801 Short Stay
10/107 # 07-0044 - Short Stay
10/107 # 0

Medical Offer Bedy

Medical Offer Bedy

Limbert Holo-1802 - New 45tory

Medical Hob-1802 - New 45tory

Medical Robert Bedy

Medical Rob

Special Inspections Program (2003 International Building Code)

In accordance with the provisions of Chapter 17 of the 2003 International Building Code, this form is to list the special inspections as required for the proposed construction located at:

PROPERTY ADDRESS (print): Fore River Medical Pavilion, Portland, Maine

OWNER'S NAME (print):

Landmark Healthcare Facilities, LLC

The design professional(s) of record shall indicate by a checkmark which of the special inspections listed below are required for the above mentioned construction site:

VERIFICATION & INSPECTION ITEM REQUIRED

Fabrication of structural load-bearing members and assemblies (1704.2) (Refer to Table 1704.3)		Г
Steel: (1704.3)	(Refer to Table 1704.3)	বি
<u>Concrete:</u> (1704.4)	(Refer to Table 1704.4)	ि
Masonry: (1704.5)	(Refer to Table 1704.5.1 & 1704.5.3)	Г
Fabrication process of	of prefabricated wood structural elements and assemblies (1704.6)	Г
Existing site soil conditions, Fill placement, load bearing requirements (1704.7)		ি
Pile/ Caisson/ Pier Foundations (1704.8 & 1704.9)		্ব
Wall panels and Veneers (Seismic design category "E" or "F" buildings only) (1704.10)		Γ
Sprayed Fire-Resistant Materials (1704.11)		
Exterior Insulation and Finish Systems (EIFS) (1704.12)		
Special Cases (Attac	h separate sheet, if necessary) (1704.13)	Γ
Smoke control system	ms (1704.14)	
Seismic resistance (1	707)	

As Structural Engineer of Record, we are identifying structural items to be inspected and to be administered by the Architect, Design Professional, Francis Cauffman Foley Hoffmann (Responsible for maintaining records of all inspections; furnishing reports to the Building Inspector; and verifying that the special inspector for each required item above is qualified to perform that inspection).

Structural Engineer of Record: Robert E. Chester Associates Consulting Engineers 119 Coulter Avenue, Suite 175 Ardmore, PA 19003 (610) 645-9570



			Table 1704.4 Required Verification and Inspection of Concrete Construction		
Yes No Verification & Inspection		Continuous	Periodic		
4		1.	Inspection of reinforcing steel, including prestressing tendons, and placement		Ø
	3	2.	Inspection of reinforcing steel, welding in accordance with Table 1704.3, Item 5B		
		3.	Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased	V	
a		4.	Verifying use of required design mix		\square
		5.	At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	☑	
	E	6.	Inspection of concrete and shotcrete placement for proper application techniques		
		7.	Inspection for maintenance of specified curing temperature and techniques		\square
		8.	Inspection of prestressed concrete:		
			a. Application of prestressing forces	Ø	
			b. Grouting of bonded prestressing tendons in the seismic-force- resisting system	Ø	۵
	4	9.	Erection of precast concrete members		Ø
	9	10	. Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs		Ø

STRUCTURAL DESIGN CRITERIA (IBC 2003, ASCE 7-02)

GENERAL

- BUILDING CLASSIFICATION CATEGORY II
- BUILDING LOCATION: PORTLAND, MAINE

LIVE LOADS - ROOF

- GROUND SNOW LOAD (Pg): 50 PSF
- SNOW LOAD IMPORTANCE FACTOR = 1.0
- EXPOSURE FACTOR (Ce) = 1.0 (CATEGORY "C" PARTIALLY EXPOSED)
- THERMAL FACTOR (Ct) = 1.0
- ROOF SNOW LOAD (Pf): 35 PSF
- APPLICABLE DRIFT LOADS AND CONCENTRATED LOADS FROM ROOFTOP EQUIPMENT INCLUDED

LIVE LOADS - FLOOR

- TENANT SPACE: 50 PSF PLUS 20 PSF PARTITIONS
- FIRST FLOOR CORRIDORS, ALL LOBBIES AND STAIRS: 100 PSF
- CORRIDORS ABOVE FIRST FLOOR: 80 PSF
- MECH./ ELEC. ROOMS (LOWER LEVEL): 150 PSF

WIND DESIGN CRITERIA

- BASIC WIND SPEED (V) = 100 MPH
- WIND EXPOSURE CATEGORY "C"
- WIND IMPORTANCE FACTOR = 1.00
- ENCLOSURE CLASSIFICATION: ENCLOSED
- INTERNAL PRESSURE COEFFICIENT (Gcpi) = (+/-) 0.18
- MEAN ROOF HEIGHT = 53 FT.. ROOF ANGLE = 0 TO 5 DEGREES (FLAT)
- WIND PRESSURES: REFER TO IBC TABLE 1609.6.2.1 (SIMPLIFIED DESIGN WIND PRESSURES – MAIN WIND-FORCE REINFORCING SYSTEM), ADJUSTMENT FACTOR = 1.57

SEISMIC DESIGN CRITERIA

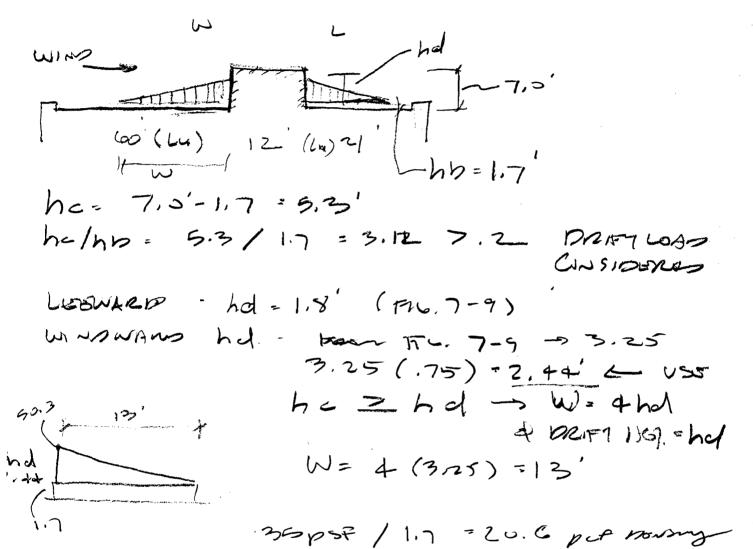
- SEISMIC USE GROUP I
- SITE CLASS "E"
- SEISMIC IMPORTANCE FACTOR = 1.00
- SPECTRAL RESPONSE ACCELERATIONS: SHORT PERIOD (SDS) = .473 1-SECOND PERIOD (SD1) = .198
- SEISMIC DESIGN CATEGORY "C" (SHORT AND 1 SECOND PERIODS)
- BASIC SEISMIC REINFORCING SYSTEM: STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DESIGNED FOR SEISMIC RESISTANCE
- RESPONSE MODIFICATION FACTOR (R) = 3
- SEISMIC RESPONSE COEFFICIENT (CS) = .112
- DESIGN BASE SHEAR (V) = 717 k
- ANALYSIS: EQUIVALENT LATERAL FORCE PROCEDURE

SOIL AND FOUNDATIONS

- PILE FOUNDATIONS: ALLOWABLE AXIAL COMPRESSIVE PILE CAPACITY (PER PILE) = 150 KIPS (HP 10 x 57)
- SLAB ON GRADE (NON-SUPPORTED). BASEMENT LEVEL SLAB AND TUNNEL: ALLOWABLE SOIL BEARING PRESSURE = 1000 PSF
- REFER TO S.W. COLE ENGINEERING'S GEOTECHNICAL REPORT NO. 06-0588, REV. 1, SEPTEMBER 7, 2006

FAT ROSE (PF) = 0.7 Ce C+ IPY EXPOSITION C (TASW 7-2) Ce (EXPOSURE FACTOR)= 1.0 PAR 11ques Ct (THORMAN FACTOR) = 1:0 I (IMPORTANCE FACTOR)=1.0 (TASK 7-3) (corps II, TASW 7-4) Mg (Gram SNOW LOAD) = 50 PSF 日= 0.7 (1.0) 1.0 (1.0) 50-35 px FOOT ENDW TRIFT (WINDUMO) AT PARADET hn= PF/Y (5001.7-7) Y=0.13 Pg +1+ -0.13 (50) +1+ -20.5 hb=35/20.5-1.7' TOTRE PARAPET HET MIX =1.7. hc=1,7-17=0 h=/hb - 0/17 = 0 < .2 DRIPT LOAD NOT APPLIED

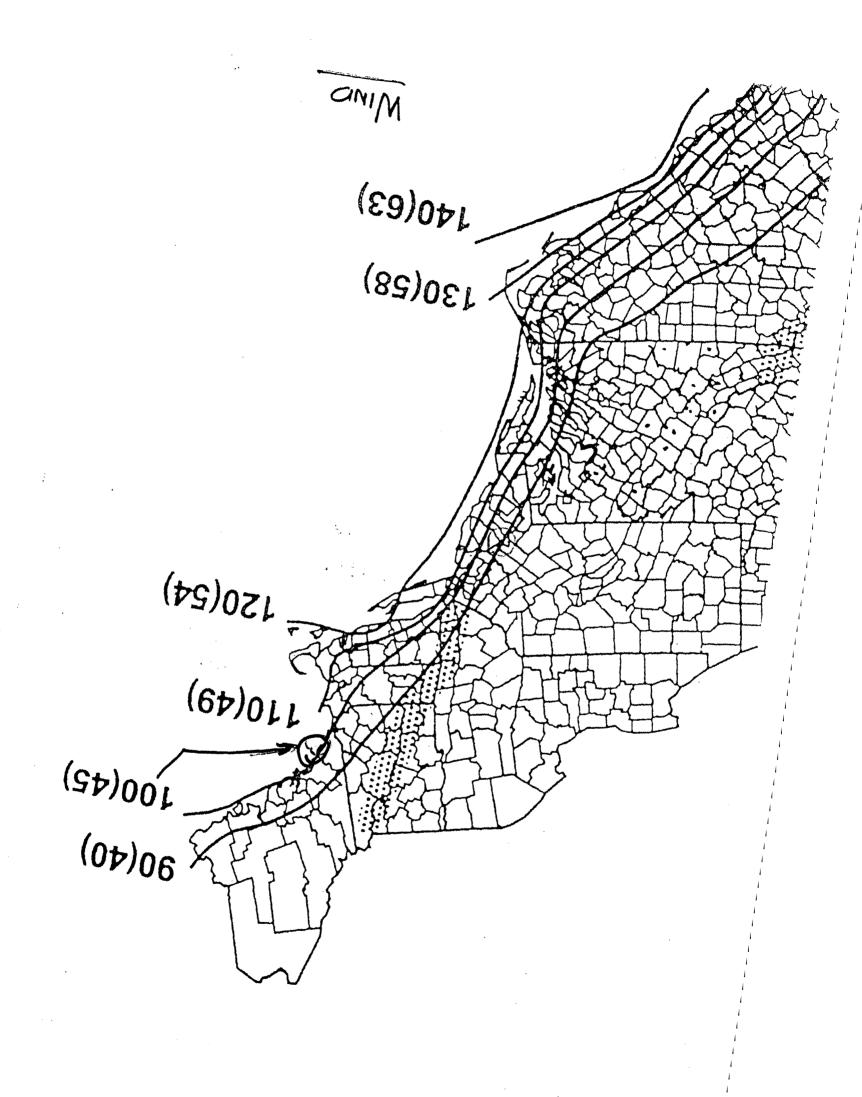
DANT LOAD = MEN. UNITE



20.6 x 2.4 = 50,3 MM = 12P

OF DERT LAS

NECHTHE PRESSURES (15 750) * d 23.05-=(5.91) (0.1) PP-1 (L·81-) 6/51 (22×0) 6.62 -= (6.01-) (0.1) LG.1 (8:01-) 6:51 (161-) 21 Maritime pressure (SSH) EL (2/xn) dad 9+11= 21 (01) L51/ (5171-) E'L cetona I R-tong CE FOUR SNOZ Jumphens/chima < 5 340) 30, 92-€ 1.91-(=.1) Te.1 and and essol IV sd 7550)96:42.6:51 (0:1) LS:1 = ez sd { (1,91= 3. ms) (56.29. 5-8.2A) Por/very. pressure: Hor. A. 15,9 2012 pt 21/21/201 12000 (LIAN) 4/2/20 5-9 94) 81. -/+ = Internal freesom Captumy (6,00);) ro1- 32 (95 Fel 01-9:04- Jeho) ct = I menus oul Low 1858 Muse: hereway presson 4h (LINE) -5 120 SONG Starl (12,1= 50) 12,000 C (AD) USI (AR) = 1.57) (ENCLOSURE CLASSISICATION CAT. II) Cil= (ELiparino) messer moundus 100 2, For (Ros Hot 2 600') your = (ands arm) 1 ALATINO COICED CNIW



Main Wind Force Re	sisting System – Method 1	h ≤ 60 ft.
Figure 6-2 (cont'd)	Design Wind Pressures	Wells & Doofs
Enclosed Buildings		Walls & Roofs

Simplified Design Wind Pressure, p_{S30} (psf) (Exposure B at h = 30 ft. with I = 1.0)

		Case					Zor	nes				
Basic Wind Speed	Roof Angle	g C	Н	lorizontal	Pressures	;		Vertical P	ressures		Overh	angs
(mph)	(degrees)	Load	A	В	С	D	E	F	. G	Н	Еон	Goн
	0 to 5°	1	11.5	-5.9	7.6	-3.5	-13.8	-7.8	-9.6	-6.1	-19.3	-15.1
į	10°	1	12.9	-5.4	8.6	-3.1	-13.8	-8.4	-9.6	-6.5	-19.3	-15.1
	15°	1	14.4	-4.8	9.6	-2.7	-13.8	-9.0	-9.6	-6.9	-19.3.	-15.1
85	20°	1	15.9	4.2	10.6	-2.3	-13.8	-9.6	-9.6	-7.3	-19.3	-15.1
- 1	25°	1	14.4	2.3	10.4	2.4	-6.4	-8.7	-4.6	-7.0	-11.9	-10.1
		2					-2.4	-4.7	-0.7	-3.0		
	30 to 45	1	12.9	8.8	10.2	7.0	1.0	-7.8	0.3	-6.7	-4.5	-5.2
		2	12.9	8.8	10.2	7.0	5.0	-3.9	4.3	-2.8	-4.5	-5.2
	0 to 5°	1	12.8	-6.7	8.5	-4.0	-15.4	-8.8	-10.7	-6.8	-21.6	-16.9
	10°	1	14.5	-6.0	9.6	-3.5	-15.4	-9.4	-10.7	-7.2	-21.6	-16.9
	15°	1	16.1	-5.4	10.7	-3.0	-15.4	-10.1	-10.7	-7.7	-21.6	-16.9
90	20°		17.8	-4.7	11.9	-2.6	-15.4	-10.7	-10.7	-8.1	-21.6	-16.9
	25°	1	16.1	2.6	11.7	2.7	-7.2	-9.8	-5.2	-7.8	-13.3	-11.4
	20 15 45	2			44.5	7.0	-2.7	-5.3	-0.7	-3.4		
	30 to 45	1 2	14.4 14.4	9.9 9.9	11.5 11.5	7.9 7.9	1.1 5.6	-8.8 -4.3	0.4 4.8	-7.5 -3.1	-5.1 -5.1	-5.8 -5.8
	0 to 5°	1	15.9	-8.2	10.5	-4 .9	-19.1	-10.8	-13.3	-8.4	-26.7	-20.9
	10°	\vdash	17.9	-7.4	11.9	-4.3	-19.1	~11.6	-13.3	-8.9	-26.7	-20.9
	15°	1	19.9	-6.6	13.3	-3.8	-19.1	-12.4	-13.3	-9.5	-26.7	-20.9
,	20°	1	22.0	-5.8	14.6	-3.2	-19.1	-13.3	-13.3	-10.1	-26.7	-20.9
100	25°		19.9	3.2	14.4	3.3	-8.8	-12.0	-6.4	-9.7	-16.5	-14.0
		2					-3.4	-6.6	-0.9	-4 .2		
	30 to 45	1	17.8	12.2	14.2	9.8	1.4	-10.8	0.5	-9.3	-6.3	-7.2
		2	17.8	12.2	14.2	9.8	6.9	-5.3	5.9	-3.8	-6.3	-7.2
	0 to 5°	1	19.2	-10.0	12.7	-5.9	-23.1	-13.1	-16.0	-10.1	-32.3	-25.3
	10°	1	21.6	-9.0	14.4	-5.2	-23.1	-14.1	-16.0	-10.8	-32.3	-25.3
	15°	1	24.1	-8.0	16.0	-4.6	-23.1	-15.1	-16.0	-11.5	-32.3	-25.3
110	20°	1	26.6	-7.0	17.7	-3.9	-23.1	-16.0	-16.0	-12.2	-32.3	-25.3
110	25°	1	24.1	3.9	17.4	4.0	-10.7-	-14.6	-7.7	-11.7	-19.9	-17.0
		2					-4.1	-7.9	-1,1	-5.1		
	30 to 45	1	21.6	14.8	17.2	11.8	1.7	-13.1	0.6	-11.3	-7.6	-8.7
	L	2	21.6	14.8	17.2	11.8	8.3	-6.5	7.2	-4.6	-7.6	-8.7
	0 to 5°	1	22.8	-11.9	15.1	-7.0	-27.4	-15.6	-19.1	-12.1	-38.4	-30.1
	10°	1	25.8	-10.7	17.1	-6.2	-27.4	-16.8	-19.1	-12.9	-38.4	-30.1
	15°	1	28.7	-9.5	19.1	-5.4	-27.4	-17.9	-19.1	-13.7	-38.4	-30.1
120	20°	1	31.6	-8.3	21.1	-4.6	-27.4	-19.1	-19.1	-14.5	-38.4	-30.1
	25°	1	28.6	4.6	20.7	4.7	-12.7	-17.3	-9.2	-13.9	-23.7	-20.2
		2					-4.8	-9.4	-1.3	-6.0		_==
1	30 to 45	1	25.7	17.6	20.4	14.0	2.0	-15.6	0.7	-13.4	-9.0	-10.3
		2	25.7	17.6	20.4	14.0	9.9	-7.7	8.6	-5.5	-9.0	-10.3
l l	0 to 5°	1	26.8	-13.9	17.8	-8.2	-32.2	-18.3	-22.4	-14.2	-45.1	-35.3
1	10°	1	30.2	-12.5	20.1	-7.3	-32.2	-19.7	-22.4	-15.1	-45.1	-35.3
}	15°	11	33.7	-11.2	22.4	-6.4	-32.2	-21.0	-22.4	-16.1	-45.1	-35.3
130	20°	1	37.1	-9.8	24.7	-5.4	-32.2	-22.4	-22.4	-17.0	-45.1	-35.3
1	25°	1	33.6	5.4	24.3	5.5	-14.9	-20.4	-10.8	-16.4	-27.8	-23.7
1	ì	2			1 ===		-5.7	-11.1	-1.5	-7.1		
<u> </u>	30 to 45	1	30.1	20.6	24.0	16.5	2.3	-18.3	0.8	-15.7	-10.6	-12.1

Unit Conversions – 1.0 ft = 0.3048 m; 1.0 psf = 0.0479 kN/m^2

Main Wind Force Resi	sting System - Method 1	h ≤ 60 ft.
Figure 6-2 (cont'd)	Design Wind Pressures	Walls & Roofs
Enclosed Buildings		Walls & Roots

Simplified Design Wind Pressure , p_{S30} (psf) (Exposure B at h = 30 ft. with I = 1.0)

Danie Mind	Deat	Case					Zoi	nes				
Basic Wind Speed	Roof Angle	O P	F	lorizontal	Pressures	5		Vertical F	ressures		Overh	angs
(mph)	(degrees)	Load	Α	В	С	D	Е	F	G	н	Еон	Gон
	0 to 5°	1	31.1	-16.1	20.6	-9.6	-37.3	-21.2	-26.0	-16.4	-52.3	-40.9
()	10°	1	35.1	-14.5	23.3	-8.5	-37.3	-22.8	-26.0	-17.5	-52.3	-40.9
į i	15°	1	39.0	-12.9	26.0	-7.4	-37.3	-24.4	-26.0	-18.6	-52.3	-40.9
140	20°	1	43.0	-11.4	28.7	-6.3	-37.3	-26.0	-26.0	-19.7	-52.3	-40.9
''	25°	1	39.0	6.3	28.2	6.4	-17.3	-23.6	-12.5	-19.0	-32.3	-27.5
1	,	2					-6.6	-12.8	-1.8	-8.2		
) 1	30 to 45	1	35.0	23.9	27.8	19.1	2.7	-21.2	0.9	-18.2	-12.3	-14.0
l i		2	35.0	23.9	27.8	19.1	13.4	-10.5	11.7	-7.5	-12.3	-14.0
	0 to 5°	1	35.7	-18.5	23.7	-11.0	-42.9	-24.4	- 29.8	-18.9	-60.0	-47.0
1	10°	1	40.2	-16.7	26.8	- 9.7	-42.9	-26.2	-29.8	-20.1	-60.0	-47.0
1 1	15°	1	44.8	-14.9	29.8	-8.5	-42.9	-28.0	-29.8	-21.4	-60.0	-4 7.0
150	20°	1	49.4	-13.0	32.9	-7.2	-42.9	-29.8	-29.8	-22.6	-60.0	-47.0
130	25°	1	44.8	7.2	32.4	7.4	-19.9	-27.1	-14.4	<i>-</i> 21.8	-37.0	-31.6
1		2					-7.5	-14.7	-2.1	-9.4		
1	30 to 45	1	40.1	27.4	31.9	22.0	3.1	-24.4	1.0	-20.9	-14.1	-16.1
		2	40.1	27.4	31.9	22.0	15.4	-12.0	13.4	-8.6	-14.1	-16.1
	0 to 5°	1	45.8	-23.8	30.4	-14.1	-55.1	-31.3	-38.3	-24.2	-77.1	-60.4
1	10°	1	51.7	-21.4	34.4	-12.5	-55.1	-33.6	-38.3	-25.8	-77.1	-60.4
ł	15°	1	57.6	-19.1	38.3	-10.9	-55.1	36.0	-38.3	-27.5	77.1	-60.4
170	20°	1	63.4	-16.7	42.3	-9.3	-55.1	-38.3	-38.3	-29.1	-77.1	-60.4
1	25°	1	57.5	9.3	41.6	9.5	-25.6	-34.8	-18.5	-28.0	-4 7.6	-40.5
ļ		2					-9.7	-18.9	-2.6	-12.1		
]	30 to 45	1	51.5	35.2	41.0	28.2	4.0	-31.3	1.3	-26.9	-18.1	-20.7
1	1	2	51.5	35.2	41.0	28.2	19.8	-15.4	17.2	-11.0	-18.1	-20.7

Adjustment Factor

for Building Height and Exposure, λ

	Mean roof		Exposure	
	height (ft)	В	C	D
	15	1.00	1.21	1.47_
	20	1.00	1.29	1.55
	25	1.00	1.35	1.61
	30	1.00	1.40	1.66
	35	1.05	1.45	1.70
	40	1.09	1.49	1.74
	45	1.12	1.53	1.78
55' -	50	1.16	1.56	1.81
75 -5	55	1.19	1.59	1.84
	60	1.22	1.62	1.87

Unit Conversions – 1.0 ft = 0.3048 m; 1.0 psf = 0.0479 kN/m^2

Components and Cladding - Method 1-

 $h \le 60$ ft.

Figure 6-3 (cont'd) **Enclosed Buildings** **Design Wind Pressures**

Walls & Roofs

Net Design Wind Pressure, p_{net30} (psf) (Exposure B at h = 30 ft. with l = 1.0)

-		Zone	Effective		***************************************		<u></u>		$\overline{}$	В	asic V	lind S	peed \	/ (mph	1)						
1			wind area (sf)	8	5	9	0	10	00	11	0	12	20	13	30	14	10	15	50	17	70
1		1	10	5.3	-13.0	5.9	-14.6	7.3	-18.0	8.9	-21.8	10.5	-25.9	12.4	-30.4	14.3	-35.3	16.5	-40.5	21.1	-52.0
1		1	20	5.0	-12.7	5.6	-14.2	6.9	-17.5	8.3	-21.2	9.9	-25.2	11.6	-29.6	13.4	-34.4	15.4	-39.4	19.8	-50.7
I		1	50	4.5	-12.2	5.1	-13.7	6.3	-16.9	7.6	-20.5	9.0	-24.4	10.6	-28.6	12.3	-33.2	14.1	-38.1	18.1	-48.9
ı	degrees	1	100	4.2	-11.9	4.7	-13.3	5.8	-16.5	7.0	-19.9	8.3	-23.7	9.8	-27.8	11.4	-32.3	13.0	-37.0	16.7	-47.6
١	egr	2	10	5.3	-21.8	5.9	-24.4	7.3	-30.2	8.9	-36.5	10.5	-43.5	12.4	-51.0	14.3	-59.2	16.5	-67.9	21.1	-87.2
١	~	2	20	5.0	-19.5	5.6	-21.8	6.9	-27.0	8.3	-32.6	9.9	-38.8	11.6	-45.6	13.4	-52.9	15.4	-60.7	19.8	-78.0
ı	Roof 0 to	2	50	4.5	-16.4	5.1	-18.4	6.3	-22.7	7.6	-27.5	9.0	-32.7	10.6	-38.4	12.3	-44.5	14,1	-51.1	18.1	-65.7
ı	of (2	100	4.2	-14.1	4.7	-15.8	5.8	-19.5	7.0	-23.6	8.3	-28.1	9.8	-33.0	11.4	-38.2	13.0	-43.9	16.7	-56.4
1	8	3	10	5.3	-32.8	5.9	-36.8	7.3	-45.4	8.9	-55.0	10.5	-65.4	12.4	-76.8	14.3	-89.0	16.5	-102.2	21.1	-131.3
+	\vdash	3	20	5.0	-27.2	5.6	-30.5	6.9	-37.6	8.3	-45.5	9.9	-54.2	11.6	-63.6	13.4	-73.8	15.4	-84.7	19.8	-108.7
No.		3_	50	4.5	-19.7	5.1	-22.1	6.3	-27.3	7.6	-33.1	9.0	-39.3	10.6	-46.2	12.3	-53.5	14.1	-61.5	18.1	-78.9
		3	100	4.2	-14.1	4.7	-15.8	5.8	-19.5	7.0	-23.6	8.3	-28.1	9.8	-33.0	11.4	-38.2	13.0	-43.9	16.7	-56.4
		1	10	7.5	-11.9	B.4	-13.3	10.4	-16.5	12.5	-19.9	14.9	-23.7	17.5	-27.8	20.3	-32.3	23.3	-37.0	30.0	-47.6
		1	20	6.8	-11.6	7.7	-13.0	9.4	-16.0	11.4	-19.4	13.6	-23.0	16.0	-27.0	18.5	-31.4	21.3	-36.0	27.3	-46.3
	ses	1	50	6.0	-11.1	6.7	-12.5	8.2	-15.4	10.0	-18.6	11.9	-22.2	13.9	-26.0	16.1	-30.2	18.5	-34.6	23.8	-44.5 -43.2
	degrees	2	100 10	5.3	-10.8 -20.7	5.9 8.4	-12.1	7.3	-14.9	8.9 12.5	-18.1 -34.7	10.5	-21.5 -41.3	12.4	-25.2 -48.4	14.3	-29.3 -56.2	16.5	-33.6 -64.5	21.1	-82.8
2		2	20	7.5 6.8	-19.0	7.7	-23.2 -21.4	9.4	-28.7 -26.4	11.4	-34.7	13.6	-38.0	16.0	-48.4	18.5	-51.7	21.3	-59.3	27.3	-76.2
	to 27	2	50	6.0	-16.9	6.7	-18.9	8.2	-23.3	10.0	-28.2	11.9	-33.6	13.9	-39.4	16.1	-45.7	18.5	-52.5	23.8	-67.4
	1 ~	2	100	5.3	-15.2	5.9	-17.0	7.3	-21.0	8.9	-25.5	10.5	-30.3	12.4	-35.6	14.3	-41.2	16.5	-47.3	21.1	-60.8
	<u>^</u>	3	10	7.5	-30.6	8.4	-34.3	10.4	-42.4	12.5	-51.3	14.9	-61.0	17.5	-71.6	20.3	-83.1	23.3	-95.4	30.0	-122.5
	Roof	3	20	6.8	-28.6	7.7	-32.1	9.4	-39.6	11.4	-47.9	13.6	-57.1	16.0	-67.0	18.5	-77.7	21.3	-89.2	27.3	-114.5
		3	50	6.0	-26.0	6.7	-29.1	8.2	-36.0	10.0	-43.5	11.9	-51.8	13.9	-60.8	16.1	-70.5	18.5	-81.0	23.8	-104.0
1	1	3	100	5.3	-24.0	5.9	-26.9	7.3	-33.2	8.9	-40.2	10.5	-47.9	12.4	-56.2	14.3	-65.1	16.5	-74.8	21.1	-96.0
	_	1	10	11,9	-13.0	13.3	-14.6	16.5	-18.0	19.9	-21.8	23.7	-25.9	27.8	-30.4	32.3	-35.3	37.0	-40.5	47.6	-52.0
1	1	1	20	11.6	-12.3	13.0	-13.8	16.0	-17.1	19.4	-20.7	23.0	-24.6	27.0	-28.9	31,4	-33.5	36.0	-38.4	46.3	-49.3
	S	1	50	11.1	-11.5	12.5	-12.8	15.4	-15.9	18.6	-19.2	22.2	-22.8	26.0	-26.8	30.2	-31.1	34.6	-35.7	44.5	-45.8
	degrees	1	100	10.8	-10.8	12.1	-12.1	14.9	-14.9	18.1	-18.1	21.5	-21.5	25.2	-25.2	29.3	-29.3	33.6	-33.6	43.2	-43.2
1	deg	2	10	11.9	-15.2	13.3	-17.0	16.5	-21.0	19.9	-25.5	23.7	-30.3	27.8	-35.6	32.3	-41.2	37.0	-47.3	47.6	-60.8
23.5	to 45	2	20	11.6	-14.5	13.0	-16.3	16.0	-20.1	19.4	-24.3	23.0	-29.0	27.0	-34.0	31.4	-39.4	36.0	-45.3	46.3	-58.1
200	2	2	50	11.1	-13.7	12.5	-15.3	15.4	-18.9	18.6	-22.9	22.2	-27.2	26.0	-32.0	30.2	-37.1	34.6	-42.5	44.5	-54.6
RESMA	27	2	100	10.8	-13.0	12.1	-14.6	14.9	-18.0	18.1	-21.8	21.5	-25.9	25.2	-30.4	29.3	-35.3	33.6	-40.5	43.2	-52.0
	÷	3	10	11.9	-15.2	13.3	-17.0	16.5	-21.0	19.9	-25.5	23.7	-30.3	27.8	-35.6	32.3	-41.2	37.0	-47.3	47.6	-60.8
200	Roof	3	20	11.6	-14.5	13.0	-16.3	16.0	-20.1	19.4	-24.3	23.0	-29.0	27.0	-34.0	31.4	-39.4	36.0	-45.3	46.3	-58.1
ě		3	50	11.1	-13.7	12.5	-15.3	15.4	-18.9	18.6	-22.9	22.2	-27.2	26.0	-32.0	30.2	-37.1	34.6	-42.5	44.5	-54.6
1	1	3	100	10.8	-13.0	12.1	-14.6	14.9	-18.0	18.1	-21.8	21.5	-25.9	25.2	-30.4	29.3	-35.3	33.6	-40.5	43.2	-52.0
	_	4	10	13.0	-14.1	14.6	-15.8	18.0	-19.5	21.8	-23.6	25.9	-28.1	30.4	-33.0	35.3	-38.2	40.5	-43.9	52.0	-56.4
9		4	20	12.4	-13.5	13.9	-15.1	17.2	-18.7	20.8	-22.6	24.7	-26.9	29.0	-31.6	33.7	-36.7	38.7	-42.1	49.6	-54.1
À	-	4	50	11.6	-12.7	13.0	-14.3	16.1	-17.6.	19.5	-21.3	23.2	-25.4	27.2	-29.8	31.6	-34.6	36.2	-39.7	46.6	-51.0
1		4	100	11.1	-12.2	12.4	-13.6	15.3	-16.8	18.5	-20.4	22.0	-24.2	25.9	28.4	30.0	-33.0	34.4	-37.8	44.2	-48.6
	=	4	500	9.7	-10.8	10.9	-12.1	13.4	-14.9	16.2	-18.1	19.3	-21.5	22.7	-25.2	26.3	-29.3	30.2	-33.6	38.8	-43.2
Á	Wall	5	10	13.0	-17.4	14.6	-19.5	18.0	-24.1	21.8	-29.1	25.9	-34.7	30.4	-40.7	35.3	-47.2	40.5	-54.2	52.0	-69.6
2		5	20	12.4	-16.2	13.9	-18.2	17.2	-22.5	20.8	-27.2	24.7	-32.4	29.0	-38.0	33.7	-44.0	38.7	-50.5	49.6	-64.9
1	-	5	50	11.6	-14.7	13.0	-16.5	16.1	-20.3	19.5	-24.6	23.2	-29.3	27.2	-34.3	31.6	-39.8	36.2	-45.7	46.6	-58.7
	1	5	100	11.1	-13.5	12.4	-15.1	15.3	-18.7	18.5	-22.6	22.0	-26.9	25.9	-31.6	30.0	-36.7	34.4	-42.1	44.2	-54.1
1		5	500	9.7	-10.8	10.9	-12.1	13.4	-14.9	16.2	-18.1	19.3	-21.5	22.7	-25.2	26.3	-29.3	30.2	-33.6	38.8	-43.2
		-				-		-							-						

Unit Conversions – 1.0 ft = 0.3048 m; 1.0 sf = 0.0929 m^2 ; 1.0 psf = 0.0479 kN/m^2

Minimum Design Loads for Buildings and Other Structures

l				
	NI NOW BRO	END INTERIOR	own7	-20.9
下し木	Windred	END 2,145		-26.7
MAIN FORCE WIND DREPS, PS 35 (PSF) *		107	WINDWARD LEEWING WINDWARD LEEWING PLOOF ROOF ROOF ROOF	10.5 -4.9 -19.1 -10.8 -13.3 -8.4 -26.7 -20.9
s, Ps	してかし	1-7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Number Rosse	-13.3
5508E	Ventical	300	LEEWARD PROPERTY	-10.8
spar c		BN Zove	WINDWAR	<u>-</u>
SS		202	RwF	4.9
Force	HORIZONTAL	1 NT 1921 27	Mari	10.5
NOW	Horiz	20,18	WALL ROSE	2.8.
•		END 2018	- N AW	15.9
	Rax	PAICE (100 gars)	(/seres/)	0 705° 15.9 -8.2
	man	Sport		8

		Comp	COMPONENT AND CLADONIC PRESSURED, PRET 30 (PSF) *	Card	CUAD	d sne	2675UR	SO PNE	730 (P	5€)*	
Descent Control	SPASSON AS	3 more	1 S	700	2008 2 2008 3	20 NS	h	20-24 14-02	20ars 4	20NE 5	UE 5
(nph)	Agust (36)	ps.	NEG.	·sod	MOS. NEBS NOS NEG. POS NEZ. 105 NEZA.	C0%	23 7	cod	2.3N	Z 2	NEG.
	0	2.7	-18,0	27	-18,0 7.7 -30.2 7.3		-45.4	$\frac{\omega}{\delta}$	1-45,4 18.0 -19.5 18.0 -24,1	<u>8</u>	-24,1
· ·	20	6.9	-17.5 6.9	6.3	27.0 6.9 -37.6 17.2 -18.7 17.2 -22.5	.0 e	-37.6	17.2	18.7	17.2	-22.5
3	20	é,	ه- ع ا	6.3	-16.9 4.3 -22.7 6.3 -27.3 16.1 -17.6 16.1 -20.3	ં	273	ق ا	J. [].	1.9	-20.3
	091	5.3	7:01-	5.0	-165 5,8 -195 9,8 -19,5 19,3 -16.8 15,3 -18.7	5.8	-19.5	19.3	9.9	15,3	-18.7
	200			e janear		هدكلدة ومنزعم	d).metawa.	13,4	13.4 -14.9 13.4 -14.9	15.4	-14.9
	,		-								1

Referred Fior Floritog. 6.2,2 From Bypunklier of 2018

* VALUES IN THIS TROUGH MUST PAS MULTIPLIED PUY 100 2003.

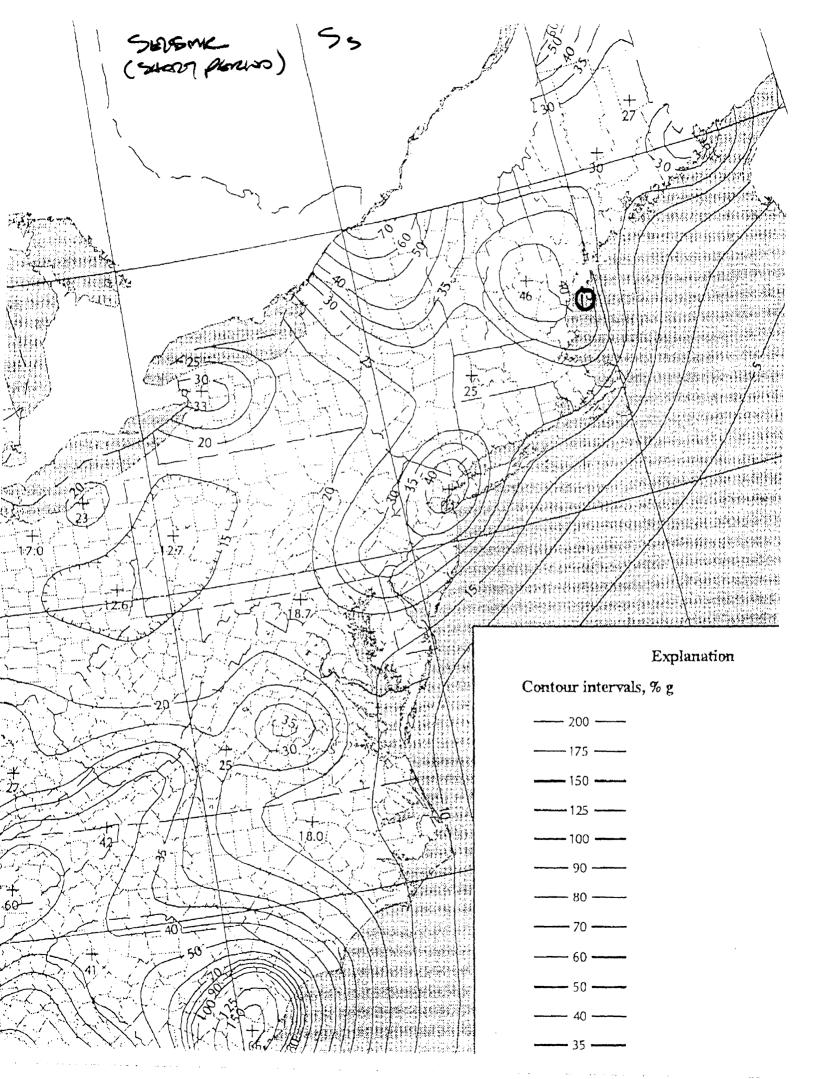
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Sorsmic Design Critisma
- SEISMIC USE GRUP (BOSO UPON OCCUPANCY
   CLASSIACATION II) = I
 - Importance From (I)=1.0
- Site Curso (some Report) E
   Ss = 1375
                    51=.085
   Fa = 1.9
                    FV= 3.5
  SMD = ,375 (1.9) = ,7/2 × 2/3 = ,473 (508)
  5 MI = .025 (3.5) = .298 x 73 = .198 (Sm)
  SEREMIN DESIGN CATEGORY "C
  R=3 (STWG STON System NOT Space Francis
           0536-100 Fun SETSMU)
BASS SHORM V=CSW
 Ces - \frac{5175}{R/2} = \frac{.473}{(3/1)} = .1576
107 LESS THAT: , 044(Sps) I=,044(,473)1=.02
M MORE THAN: SOI
            T (R/I)
T=Cu(Tu) Cu=1.5 (Sec. 9.5.5.3.1)
          Ta = Cthnx
hn=53 (500,95,5,22)
          Ta-102 (63) 15 . 393
T= 1.5 (.393) = .5095 > .5 (507.9.5.5.2.1)
```

>C5= ,198

. 5895 (3/1)

```
ACLESTE W For SOSMIC Posses Somm
 7 95'x 210' x, 04 =
                                        798
 >% FLAT ROOF 95'x 210 4.007
 MOW WOOD (7PSP)
 NOT SLASS (2) (36×12)x.075
                                        65°
POOT & ERUAP - MM - UNITY (2 × 16.3")
                                        34m
 MISC. Rec 700 600110. (59,)
30000 WAL (370 LE)
                                         27 1
COLUMN 5
                                        22 ~
EXTERIOR WAYS
                8'x.01 = .08
                8x,04 - 132
140 (612LF)
DL 95'x210'x.06=
PART. (USE 10PSP) 95 x210 = 19950
- 57 AM, 6264, MECH SKAPT AWAS: 670
                Not SE 19,230 (.01)
COLOMNO
XTALPIR WALE 12.33 × 612 = 7546
(612LP)
           - WINDOWN , = 971
                         5575 (.04) = 223
              12.33
          13.65 (612).01 -
```

```
N" COUNT.
300 Trush
208'x 208'x .06
2AM. 15,800 X.01
     (NET SF)
こっしつかんか
EXTERIAR WOUS
2,33 (612) = 7646 $
           5336 (.o+) = ZIL
    12,33 (412),01
                                         1687
200 12002
DL 94×203 - 19552
12mm - 34-2+ - 816
                18736 (.06) = 1124
Pront. 18736 - 600 = 18136 (101)
           NOT ST
COLUMNS
SYTEMION WAWS
 13.16 (CIZ) = 8054 SF
              2250
6804 St (,ad) = 233
- WIMPAND
13.16 (612).01
                        W" TOTAL
 BASO SHOW "V"= COS W
              - (.112) 6403= 717"
```



LANDMARK POGOTOG



Dimensional Data



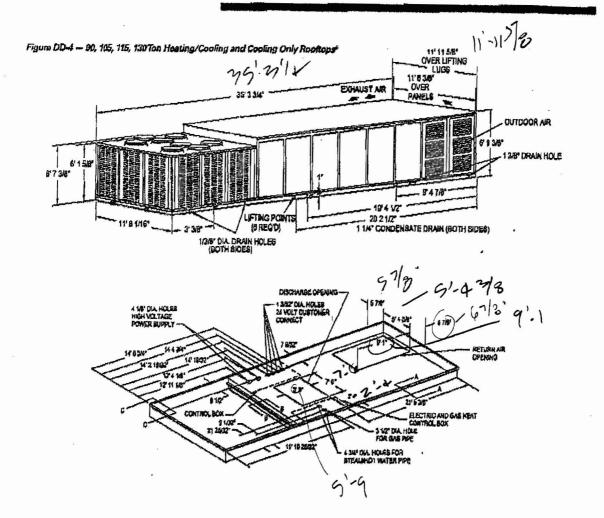
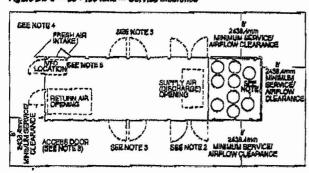


Figure DD-5 - 90 - 130 Tons - Service Clearance



- A ministrum clearense of 2' 10-74" is required to open the recess doors on the unit's supply fan, avagereter, filler and exhaust fan escions. All hinged doors awing outward in a 180-doorses are. 80-130 ton models have saw outdoor air intries located at the back of the unit and one small outdoor air intries located at the back of the unit and of the talk.
 A ministrum clearance of 3' 7" is required to open the hinged access pend door to the VFD environment.
 Unit drawing is representative only and may not accurately depict all models.

90

AT-PRODUCEN

LANDMARK TRANE
POLOIOB
ROOF TOP UNITS (182)

Weights

Toble W	- Approximate Operating Weights (Lbs./Kg)
	Rooftops Without Exhaust Fens
Nominal	

		_	Rooftops	Without Exh	aust Fanz			Rooftop	s With Exhau	ust Farar			Roof Curty
iominal Tons		SA	SX	\$E	SF	SL/SS	SA	εx	SE	SF	SL/SS	5A	All Heating Units & SXHF/C
	b.	4000	4220	4330	4620	4330	4350	4590	4690	4870	4890	420	510
	ζg	1814	1814	1954	2096	1964	1978	2077	2127	2254	2127	222	231
	b.	4160	4370	4500	4770	4500	4520	4750	4860	5130	4860	490	510
	(g	1887	1982	2041	2164	2041	2050	2155	2204	2327	2204	222	291
	b.	4600	5040	5160	5430	5160	5220	5460	5590	5840	5590	480	510
ķ	(9_	2177	2286	2341	2483	2341	2368	2477	2536	2849	2536	222	231
	ь.	6270	6650	5610	7290	6810	0890	7240	7400	7880	7400	515	550
<u> </u>	<u>< a</u>	2844	3016	3089	3307	3089	3125	3284	3357	3574	3357	234	240
	ъ.	7250	7630	7600	\$260	7800	7880	8290	8450	6900	8450	515	550
k	(g	3289	3461	3538	3747	3538	3579	3760	3833	4037	3833	234	249
	ь.	7500	7800	8050	8530	8050	8140	8540	8690	9170	C 69 D	S 15	550
×	(g	3402	3579	3651	3060	3851	9692	3874	3942	4159	3942	234	249
	b,	8450	8610	8770	9230	8770	9320	8480	0650	10120	9650	810	640
	(g_	3833	3905	3975	4187	\$978	4227	4300	4377	4590	4377	277	200
70/75 L	b.	8970	9150	9300	9790	9300	9860	10040	10160	10640	10180	, 610	640
	(9_	4069	4150	4218	4436	4218	4472	4554	4608	4826	4608	277	
90 L	.b.	N/A	13240	13390	14030	13390	N/A	14580	14730	15400	14730	N/A	770
ŀ	<u> </u>	N/A	6006	5074	6384_	5074	NIA	6613	6661	6985	6581	N/A	349
105 L	ь.	N/A	13810	13950	. 14600	13950	N/A	15160	15310	15940	15310	N/A	770
k	(g	N/A	8264	6328	5622	6328	N/A	8876	6944	7230	6944	N/A	349
116 L	b,	N/A	142D0	14380	15020	14380	N/A	15560	15730	16370	15730	N/A	770
<u> </u>	⟨ g	N/A	6411	5\$23	6813_	6523	N/A	7058	7135	7425	7135	N/A	349
	Þ.	NA	34580	14740	16300	14740	N/A	15930	16080	16710	10080	NA	770
H	رئ—رئ	N/A	6613	5686	6975	8833	N/A	7226	7294	7580	7294	N/A	349

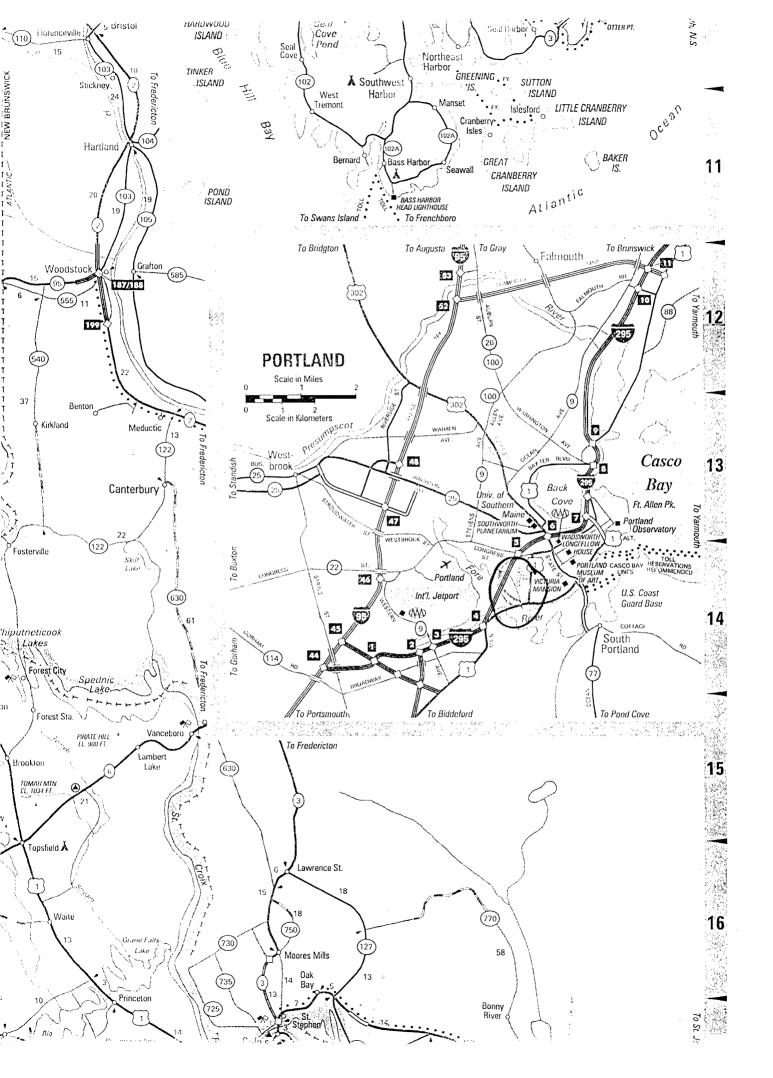
95

Notes:

1. Weights shown include the following features: stendard coits, 100% economizer, chrowsway filters, maximum mater sizes (high efficiency), inlet guide varies, 460V XL, High Head.

2. Weights shown represent approximate operating weights and have a ±5% accuracy, ACTUAL WEIGHTS ARE STAMPED ON THE UNIT NAMEPLATE.

3. It unit is not as specified in note 1, you must reference RT-EB-103 for more details, as well as for point loading and center of gravity.





Door Loops - Rose	
BAURIES GNAS PLY REE	17.0 PJF
- 12 K-10 1 MSULATION	6.0
- panas mon sen	3.0
- France	5.0
- CEILIN / COLMO SYSTEM	5.0
- MVZ. M/E	5.0
$\mathcal{R} \longrightarrow$	40,0 psf
Live / SNOW	350
(C"LMGR-31.2470)	7500 76
LINE LOODS - Serson war 144th	/17
	d-115 ps
476	9/2: \$2" Down
- Man Loon From - Revion Por	-L.W. Stellinen
6104" N.W. CWLC. W/11/2", 20 CA. C	2/18 vgm
51/14" N.W. CWAC. W/ 11/2", 20 CA. C LU FLON Dax (2") A4.356.	5 39,0 pg
FRANKL	4.0
CEYLNIC	9.,3
m15a./m/5	50
60.0 66.	0 55.0
my yman. Live was	50.3
De con u au pantons.	20,5
7.5× .00 .05 .07 .02 BO.0 125	9 125,0 TC
.+1 ,315 ,525	_
	The second secon
100 1.50 1.50 mm	100.0
175 [160.0] 166	100.0 135.0 TC
	135.0 TC
175 [160.0] 166	135.0 7

ROOF - SEMMATIC DESNO Typ. DOISTS: 5' O.C. (30' BAO) MAKE) 0.2 Sparl - L= 30' WR = 5'(75) = 375 40 5 (35) = 175 212 18K9 (10.2*/Ai) 20K7 (4.3*/m.) Spm 2- L-32' 18K1= (1),74/m.) F).1 20kg (10,0) 200-10 L:2%'. 18K7 (9.0+/PT.) SPANDRO PISOTA W poor = 10 (.075) = 1.2 kgr. 1.54 ~1.64. L: 28' M=156.8 S .. 62.7 190.0 72.0 - 20-3 28' 0 734 x 2861 2861 = 910.9 \$ 15c W18 x 40 (64.7) W13 x 46 (78.3) 947.6 377.1 377.1 = 628.5 1 / W8 650 * CO PARK DESSES

•	Rox / Com.	50-12
in the second se	IMURAN POBAM	
	W- 31'x.075= 2.32"	
	Scrow whe . 05 the	. H. Territoria de la sectione deputation d'homospeta .
· · · · · · · · · · · · · · · · · · ·	2,38~2,44	· · · · · · · · · · · · · · · · · · ·
·	L. 28' M- 235" 5,0 - 94.1 -	
	70' 270 - 108.0	
	31.16	Anna 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1 m 1
	WZIX	55
	WIBX	
	W24x55	
	Wibxco	
, <u>.</u> .	WOTE : SIMPLE PREAMS - COUND ISO PLASTIC DE	*/(m)
•	(CAMILLION COMPANY)	
	(CAMILLA CASSAM)	\
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	30 × 30 × ,075 - 67.5	
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·	1:60 × 29' = 46.4 Pres	
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