PERMIT ISSUED

AUG 05 2003

CITY OF PORTLAND

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

Permit Number: 030643

ances of the City of Portland regulating

tures, and of the application on file in

provided that ti	he person or persons,	m or	reli	on	ept	ing this permit shall comply with all
AT 41 State St				9	<u>_</u>	044 B023001
has permission to	27 housing units; Constructi	of 3.5 st	additi	n top of	st	ng parking structure Project consistes of mi
This is to certify that_	A G Car Co/Wright Ryan Co	uction,				

of buildings and str

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

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

ication insped must gi and w n permis procu Ы e this t thered d or d losed-in. R NOTICE IS REQUIRED.

ne and of the

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

OTHER Fire Dept.	OTHER REQUIRED ARPROVALS					
Health Dept.	•					
Appeal Board						
Other	Department Name					

PENALTY FOR REMOVING THIS CARD

PERMIT ISSUED

389 Congress Stre	et, 04101	e - Building or Use Tel: (207) 874-870	3, Fax:	(207) 874-87	16	03-0	643	AUG	05 20	CBL: 044 BO	23001
Location of Construction	n:	Owner Name:				vner Addres	s:			Phone:	
41 State St		A G Car Co				120 Exchange St CITY OF POF			PORTI		0811
Business Name:		Contractor Nam	e:		_	ntractor Ad		VIII VI	· VILIE	Phone	
n/a	_	Wright Ryan	Construc	ction, Inc	10	Danforth	Stree	t Portland		20777336	25
Lessee/Buyer's Name		Phone:		T	_	rmit Type:			-	120777330	Zonei
n/a		n/a		1	1	Additions -	Com	mercial			RI_{Λ}
Past Use:		Proposed Use:		<u> </u>		rmit Fee:		Cost of Wor	k. 1/	CEO District:	4.14
Commercial / One s	tory parki	1 7	ousing;	Construction	-	\$19,548.	00	\$2,500,00		2	
structure		of 3.5 story ac	ldition o	n top of	FI	RE DEPT:		/ 	INSPEC		<u> </u>
		existing parki						Approved	Use Gro		Typ
		will encompas					L	Denied	l	· John	
		market rate &	Subsidia	zea nousing.		•				adda	~ 24
Proposed Project Descri	-				1			•		8H	≮
27 housing units; C	Construction	on of 3.5 story addition	on top o	of existing	Sig	gnature:	41	MM	Signatu		KX
	roject con	sistes of mixed market	value ra	te &	PE	DESTRIAN	ACTI	VITIES DIST			
subsidized housing.						tion:	pprov	√ ed □ A	roved/C	Conditions [Denied
					```		-bhroa	~ ∟ App	"OACH M\C	Outuous [	
					Si	gnature:				Date:	
Permit Taken By:		Date Applied For:				Zor	ing	Approva	1		
gg		06/06/2003		_					_		
		oes not preclude the	Spe	cial Zone or Revie	ws		Zonin	g Appeal		Listoric Press	cretion
	m meeting	g applicable State and	☐ Sh	oreland N		☐ Va	riance			Not in District	A SH
Federal Rules.										- <del>-</del>	
2. Building permit	s do not ir	clude plumbing,	□ w	etland		Mi	iscellar	ieous	1 0	Does Not Req	uire Review
septic or electric	cal work.			_	$\cap$						
<ol><li>Building permit</li></ol>	s are void	if work is not started	☐ Flo	od Zone Pare	ζ,	<b>ာ</b> 🗆 ငစ	nditio	nal Use		Requires Revi	ew
		he date of issuance.		13 200	(						
permit and stop		alidate a building	Sul Sul	bdivision 🔾 🕢	The	<b>∏</b> □ Int	erpreta	tion	0	Approved	Λ .
permit and stop	all WOIK		Sec	ACTACHED BY	~{	-			a	er pan Ht	'. Jany
			Sisio	e Plan	_	☐ Ap	prove	i	] [	Approved w/C	onditions
			<b>*</b>	2003-004	5	l _			ļ	to '	D.A 8/4
		į	Maj	Minor MM		A De	nied		_   [	Denied 7	
			OL	-W449	2	4	3		}		$\mathcal{K}I$
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										6/6	3/03
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	_			ERTIFICATIO							
have been authorized	am the ov	vner of record of the national	med pro	perty, or that th	e pr	oposed wo	rk is	authorized	by the o	wner of record	and that
risdiction. In additi	on.ifane	wner to make this appli rmit for work described	cauon a Lin the s	s his authorized	age	ent and I ag	ree to	o conform t	o all app	licable laws of	f this
hall have the authorit	ty to enter	all areas covered by su	ch perm	ippheation is is it at any reason	ahle	hour to er	uiai u Morce	the novis	ion of th	uiorizea repres	sentative
uch permit.	•		F					are bross	TOIL OF IL	ic couc(s) app	iicabie W
SIGNATURE OF APPLIC	TANT					<del></del>				<del></del>	
MOMATURE UP APPLIC	-WIN I			ADDRESS	٠.			DATE		PHON	E
ESPONSIBLE PERSON	IN CHARG	E OF WORK, TITLE					-	DATE		PHON	<del></del>

City of Portland, Maine - Buil		Permit No:	Date Applied For:	CBL:				
389 Congress Street, 04101 Tel: (2	•		8716	03-064	13 06/06/2003	044 B023001		
Location of Construction:	Owner Name:		0	wner Address:		Phone:		
41 State St	A G Car Co		1	120 Exchange St 207-871-9				
Business Name:	Contractor Name:		C	ontractor Addre	:88:	Phone		
n/a	Wright Ryan Construc	ction, Inc	1	0 Danforth S	treet Portland	(207) 773-3625		
Lessee/Buyer's Name	Phone:		Pe	ermit Type:				
n/a	n/a		Ŀ	Additions - C	ommercial			
Proposed Use:		Pr	roposed	Project Descrip	tion:			
27 Units of Housing: Construction of existing parking structure. Project wil mixed market rate & subsidized house	l encompass 27 units o	f e	xisting	parking stru	onstruction of 3.5 story a cture. Project consistes of subsidized housing.	_		
Dept: Zoning Status: A	pproved with Condition	s Revie	wer:	Marge Schm	uckal Approval D	ete: 08/04/2003		
Note: This is controlled by a zoning	• •					Ok to Issue:		
1) PRIOR to the issuance of a certific	•	eveloner is	ohliga	ted to receive	from the City any and			
need for overhangs or other intrus			00					
•	2) The maximum height for the structure shall be fifty-four (54) feet. When the top structural beam is placed, it will be necessary to verify the maximum building height to the Code Enforcement Officer.							
3) One (1) on-site parking space for	each dwelling unit (27)	is required	i and s	aied parking	spaces shall be allocated	i to each unit.		
4) In the event the development descrice completed within four (4) years for revert back to the underlying R-6	om the date of the conti					_		
5) ANY exterior work requires a sep	arate review and appro	val thru His	storic F	reservation				
6) This property shall remain a twen review and approval.	ty-seven (27) family dw	velling. An	y chan	ge of use shal	l require a separate peri	mit application for		
7) This permit is being approved on that work.	the basis of plans subm	itted. Any	deviat	ions shall req	uire a separate approval	before starting		
Dept: Building Status: Ap	pproved with Condition	s Revie	wer:	Mike Nugent	Approval D	Pate: 08/01/2003		
Note:						Ok to Issue: 🗹		
Garage Exhaust must be automatic. The engineer of record must provious all existing and additional loads in	de an statement of asse	ssment reg	arding	the abitility	of the existing parking s	tructure to carry		
Dept: Fire Status: A	pproved with Condition	s Revie	wer:	Lt. MacDoug	ai Approval D	eate: 07/16/2003		
Note:						Ok to Issue: 🗹		
1) the fire alarm system shall be cons	nected to the City of Po	rtland mass	terbox :	system or an	approved central station			
2) the building shall comply with the	city ordinance chapter	10 for spec	cial dw	elling apartm	ents			
the fire alarm system shall be installed in accordance with NFPA 72 standards								
the fire alarm system shall be approved by the Portland Fire Department								
· · · · · · · · · · · · · · · · · · ·	•	-			**			
5) the smoke detectors shall be instal smoke detector in mech room )	led in accordance with	NFPA IUI	life sa	iety code ( un	it type D,E,F, were mis	sing detectors,		
Comments:		<del>-</del>						
06/11/2003-tad: on hold pending sign	ing of zoning contract.							
07/30/2003-kwd: Approved site plan r	received 07/30/2003.							
08/01/2003-gg: Received additional pl	ans for second floor.	gg:						
		<del></del>						



Five Balsam Lane Falmouth ME 04105-2448

> 207.878.8038 Fax 207.878.8293

August 6, 2003

David Lloyd Archetype, P.A. 48 Union Wharf Portland, ME 04101

Subject:

Casco Terrace 41 State Street

Portland, ME

Dear David,

The structural capacity of the existing parking garage was reviewed as part of the design effort for the new wood framed building to be constructed above it. Non-destructive concrete testing, physical measurements of existing member sizes, visual observations of the soil bearing condition and structural calculations were performed to verify the structural capacity of the existing parking garage.

Based on the above, it was determined that the existing garage has sufficient structural capacity to support the live, dead and environmental loads (per BOCA/1999) imposed by the new wood framed structure on the existing garage in addition to the garage's self weight.

Please call me if there is any question.

Sincerely,

STRUCTURAL DESIGN CONSULTING, INC.

David J. Tetreault, P.E.

A R C H E T Y P E

August 5, 2003

Bill Needelman Portland Planning Division Portland City Hall 389 Congress Street Portland, Maine 04101

RE: 41 State Street - Casco Terrace

Dear Bill,

Attached is SK 6 showing that we have moved the oil gas separation tank into the building and off city property.

Sincerely,

David Lloyd

Enclosures

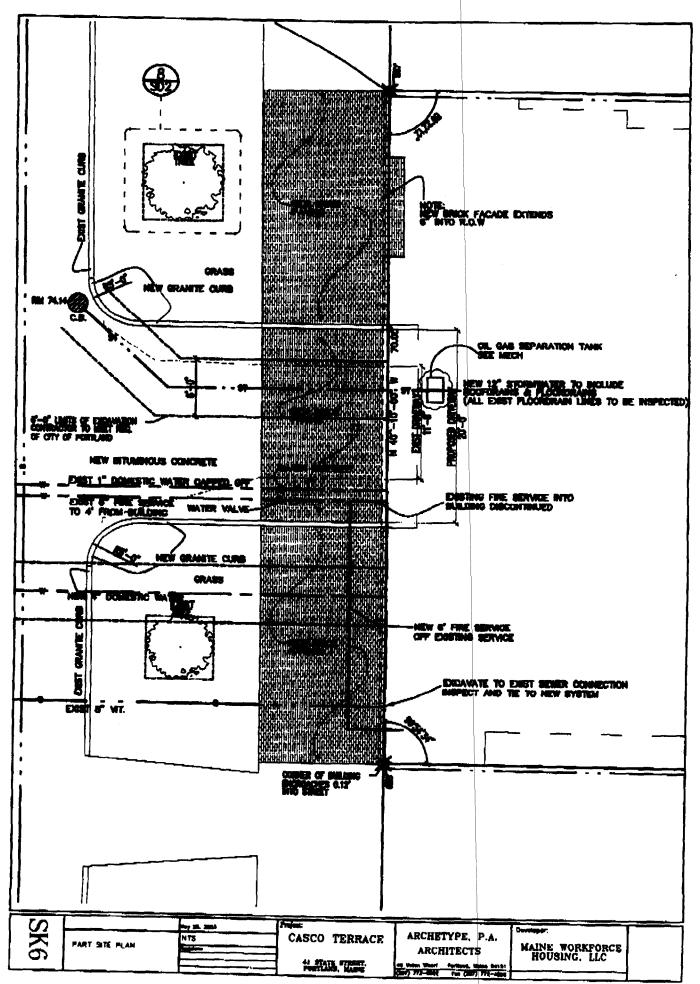
cc: Nathan Szanton

48 Union Wharf, Porrland, Maine 04101 (207) 772-6022 - Fax (207) 772-4056

AUG, 85 2883 87:57AM P1

PHONE NO. : 207 772 6022

FROM: ARCHETYPE





### CITY OF PORTLAND MAINE

389 Congress St., Rm 315 Portland, ME 04101 Tel. – 207-874-8704 Fax – 207-874-8716

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7	'/\	٠
	.,	

Inspector of Buildings City of Portland, Maine

Planning & Urban Development

Division of Housing & Community Services

2717131011	or redusing a community ocr	vices
FROM DESIGNER:	Archetype, P.A.	
	48 Union Wharf	
<del>2010-1</del> -1	Portland, ME 04101	
DATE: 6/4/03		
Job Name: Casco Terrace	9	
Address of Construction: 41 S	tate Street. Portland. Maine	
THE BOCA NAT	TIONAL BUILDING CODE/ ject was designed according to the buildi	1999 FourteenthEDITION
Building Code and Year_BOC	A 1999 Use Group Cla	assification(s) R-2 & S-2
Type of Construction_S-A	Bldg. Height 53'-6"	Bldg. Sq. Footage 37,350 all floors
	Group Class	
Roof Snow Load Per Sq. Ft. 42	Dead Load Per	r Sq. Ft. 12 · · ·
Basic Wind Speed (mph) 85	Effective Velocity Pressu	ure Per Sq. Ft. 18.5
Floor Live Load Per Sq. Ft. 40	Balconies = 60	
Structure has full sprinkler system Sprinkler & Alarm systems must b Portland Fire Department.	? Yes X No Alarmore installed according to BOCA and NFP	m System? Yes_XNo A Standards with approval from the
Is structure being considered unlin	nited area building: Yes_NoX	
If mixed use, what subsection of 3	13 is being considered	
List Occupant loading for each room	m or space, designed into this Project.	750
Parking Garage 200 sq. ft./ Residential 200 sq. ft./perso	person on	OSTERED ARCHITECT
PSH 6/07/2K	(Designer S	LOYD D





# CITY OF PORTLAND BUILDING CODE CERTIFICATE 389 Congress St., Rm 315 Portland, ME 04101

TO:	Inspector of Buildings City of Portland, Maine Department of Planning & Urban Development Division of Housing & Community Service
FROM:	Archetype, P.A.
RE:	Certificate of Design
DATE:	6/4/03
Apartment	3uilding
	Archetype, P.A.

As per Maine State Law:

\$50,000.00 or more in new construction, repair, expansion, addition, or modification for Building or Structures, shall be prepared by a registered design Professional.

PSH 6/20/2k



### Commercial 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: 41 State	e Street P	ortland. Mai	ne		
Total Square Footage of Proposed Structure Ex	kisting	Square Footage	~ ~	,010	
Tax Assessor's Chart, Block & Lot  Chart# Block# 8 Lot# 023	1	G Car Co., I 20 Exchange ortland, Mai	Street	T	elephone: 871–9811
Lessee/Buyer's Name (If Applicable) Maine Workforce Housing,LLC 1 Longfellow Square Portland, Maine 04101 Nathan Szanton	Applicant na Wright 10 Dan	ime, address & tel -Ryan Constr forth Street nd, Maine 04 yan	ephone: uction,Iı	Cost ( CWork: Fee:	\$ 2,500,000.00
Current Specific use: One story parki					- 819 7
Proposed Specific use: _27 Units of Hou	ısing				_917,540
Contractor's name, address & telephone:					
		Constructio Rvan	n, Inc.	(see	e below)
Who should we contact when the permit is read Mailing address:	пуОСГИТ	· ·			
Wright- Ryan Con		, Inc.			
10 Danforth Stre			Phone: 207-773-3625		
Portland, Maine Please submit all of the information outle to so will result in the automatic denial of	ined in the				
At the discretion of the Planning and Development I further information stop by the Building Inspections				red prior	to permit approval. For
hereby certify that I am the Owner of record of the name authorized by the owner to make this application as his/he f a permit for work described in this application is issued, treas covered by this permit at any reasonable hour to enfor	r authorized agen I certify that the (	it. I agree to conform Code Official's author	to all applicable ized representat	e laws of t ive shall b	this jurisdiction. In addition,
Signature of applicant:			Date: Tire		2002
organism of approximation of the state of th			Jur	ne 3,	2003

Permit Fee: \$30.00 for the first \$1000.00 Construction Cost, \$7.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.



## Commercial 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: 41 State Stre	eet, Portland, Mai	ine			
Total Square Footage of Proposed Structure (27,300) 10,010 at this time.		Square Footag	of Lot 10	),010	
Tax Assessor's Chart, Block & Lot Chart# \$44 Block#\$ Lot#923 044 B 023		Car Co. Inc. Exchange Street and, ME			Telephone: (207) 871-9811
Lessee/Buyer's Name (If Applicable) Nathan Szanton The Szanton Co. One Longfellow Square Portland, ME	Applicant name, address & to Maine Workforce Housing LLC One Longfellow Square Portland, ME		lephone:	Wo	st Of ork: \$25,000 e: \$198.00
Current Specific use: Garage					
Proposed Specific use: 27 Units of Housing					
Project description: Work included placing steel	beams and minor	r limited demolition	1.		
Contractor's name, address & telephone:					
Who should we contact when the permit is read	y: David Lloyd	<u> </u>		_	
Mailing address: 48 Union Wharf Portland, ME 04101			Pho	one: (2	207) 772-6022
Please submit all of the information outlindo so will result in the automatic denial of the discretion of the Planning and Development D further information stop by the Building Inspections of	f your permi epartment, addi	it. tional information	may be rec		
I hereby certify that I am the Owner of record of the named authorized by the owner to make this application as his/her if a permit for work described in this application is issued, I areas covered by this permit at any reasonable hour to enfor	authorized gent. certify that the Co	I agree to conform de Official's author	to all applica	able laws o stative sha	of this inciediction. In addition
Signature of applicant:			Date:	5/	14/03
Permit Fee: \$30.00 for the first \$100	0 00 Constru	ection Cost 6	7 00	44:4:	-1 \$1000.00

rmit Fee: \$30.00 for the first \$1000.00 Construction Cost, \$7.00 per additional \$1000.00 cost

This is not a Permit; you may not commence any work until the Permit is issued.

"Bill" <hopkins2@archetypepa.com>

To:

"Mike Nugent " <MJN@ci.portland.me.us>

Date:

Tue, Jul 29, 2003 11:01 AM

Subject:

Re: 41 State

### Mike

Let me respond in order.

3. Will verify height compliance as required.

5. Fans turn on at 50 parts per million. We are trying to get max decibel from Marge and will then respond.

6. Trash room seperated from 2nd floor by existing 2 hour waffle slab. Gyp board is for finish only and can be reduced to 1 layer rather then 2 layers as shown on finish schedule.

7. Roof ceiling assembly same as floor ceiling assembly (Type 201, 202& 203on drawing A14) with addition of roof insulation and roofing. 201 is above units and common space, 202 is over center corridor and 203 is over shafts.

9. Will revise specification from NFPA 13 R to NFPA 13 for building sprinkler.

---- Original Message ----

From: "Mike Nugent " <MJN@ci.portland.me.us>

To: <hopkins2@archetypepa.com> Cc: <MBA@ci.portland.me.us> Sent: Monday, July 28, 2003 2:06 PM

Subject: 41 State

### Response to David's 7/18/03:

1/Thanks for the specs

2/Type 5A construction, thank you

3/We may need a surveyor to document the height compliance when the shell is assembled.

4/Mezzanines as show on the typical unit plans comply with the mezzanine 1/3 rule.

5/Garage Ventilation/What is the level of CO present when the system will activate> I'm having Marge weigh in on the noise level issue

6/ Trash room-- 2 hr. block walls — how about the ceiling assembly?
7/Please forward a detail of the rated roof assembly and where it will be on the building.

8/thank you

9/Due to the proximity of the adjacent structures and the lot lines, in order to get the amount of unprotected glazing that you seek, a full blown NFPA 13 system will be required.

10/Thanks

11/Thanks

12/Thanks

13/Thanks

14/Thanks

"Bill" <hopkins2@archetypepa.com>

To:

"Mike Nugent " <MJN@ci.portland.me.us>

Date:

Tue, Jul 29, 2003 1:43 PM

Subject:

Re: 41 State

#### Mike

I'm responding in order.

- 1. What are the decibel limits?
- 2. Attached is detail of guard rail at unit mezzanines.
- 3. Attahed is wall types 109 and 110.
- 4. Interior finish is Class 3 in units and Class 2 in corridor, common areas and stairs.
- 5. Firestoppping is covered in Spec Sec 07860. It basically requires each trade to provide a UL

or other testing agency number for all penetrations.

I see you are starting to overlap me in E-mails. I'm on to the next one. Bill Hopkins

---- Original Message -----

From: "Mike Nugent " <MJN@ci.portland.me.us>

To: <hopkins2@archetypepa.com>
Cc: <MBA@ci.portland.me.us>
Sent: Monday, July 28, 2003 4:12 PM

Subject: 41 State

### Todays review questions:

- 1) Spoke with Marge about the Vent noise levels, definitely a problem if it exceeds it zoning limits, (the proposal exceeds both day and Night noise)
- 2) Is there a better Guard detail for the Mezzanines? (other than page A9)
- 3) My plans do not have Wall details 109 or 110, I only go as high as 1084) What is the fire classifications of the interior finishes (Chapter 8
- BOCA)
- 5) Fire separation assembly penetrations, have no info about these.
- 6) Any responmse to today's ealier email?

I'm about 60% done at this point, lack of staffing is making it difficult to focus. Should wrap it up by Thursday 7/31/03

"Bill" <hopkins2@archetypepa.com>

To:

"Mike Nugent " <MJN@ci.portland.me.us>

Date:

Tue, Jul 29, 2003 1:56 PM

Subject:

Re: 41 State

Mike, I failed in trying to attach Sk's to last E-mail. We are sending them seperately

Responding to your 12:31 E-mail

1. I think I've already responded to roof assembly question.

Floor/ceiling and roof/ceiling are the same.

2. I have asked the mechanical engineer to issues instructions to the contractor to set the sensitoivity of the ga s meter to 25ppm at the appropriate time.

**Bill Hopkins** 

---- Original Message -----

From: "Mike Nugent " <MJN@ci.portland.me.us>

To: <hopkins2@archetypepa.com>
Cc: <MBA@ci.portland.me.us>

Sent: Tuesday, July 29, 2003 12:31 PM

Subject: Re: 41 State

Thanks Bill,

Number 9 was for the new roof assemby that's not shown in the plans.

The garage ventilation system must operate automatically upon detection of a concentration of carbon monoxide of 25 PPM.

>>> "Bill" <hopkins2@archetypepa.com> 07/29 11:01 AM >>> Mike

Let me respond in order.

- 3. Will verify height compliance as required.
- 5. Fans turn on at 50 parts per million. We are trying to get max decibel from Marge and will then respond.
- 6. Trash room seperated from 2nd floor by existing 2 hour waffle slab. Gyp board is for finish only and can be reduced to 1 layer rather then 2 layers as shown on finish schedule.
- 7. Roof ceiling assembly same as floor ceiling assembly(Type 201, 202& 203on drawing A14) with addition of roof insulation and roofing. 201 is above units and common space, 202 is over center corridor and 203 is over shafts.
- 9. Will revise specification from NFPA 13 R to NFPA 13 for building sprinkler.

---- Original Message -----

From: "Mike Nugent " <MJN@ci.portland.me.us>

To: <hopkins2@archetypepa.com>
Cc: <MBA@ci.portland.me.us>
Sent: Monday, July 28, 2003 2:06 PM

Subject: 41 State

Response to David's 7/18/03:

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9/Due to the proximity of the adjacent structures and the lot lines, in order to get the amount of unprotected glazing that you seek, a full blown NFPA 13 system will be required.

10/Thanks

11/Thanks

12/Thanks

13/Thanks

14/Thanks

"Bill" <hopkins2@archetypepa.com>

To:

"Mike Nugent " <MJN@ci.portland.me.us>

Date:

Thu, Jul 31, 2003 11:25 AM

Subject:

Re: 41 State--Almost there

#### Miike

I am responding in order

- 1. We are not venting the rafter space as it is on the heated side of the insulation.
- 2. The EPDM is Class C. I am faxing the data from Firestone Roofing.
- 3. I spoke with David Tetreault, the structural engineer for this project, and he stated the roof snow load was calculated using the reduction factors allowable under Sec. 7.3 of ASCE 7.
- 4. I am sending a hard copy of the stairs with additional keying of wallstypes and references to sections.
- 5. The basement is in the rear of the building directly under what appears as a building extension. Match up door 107 on the basement with the same door on the the first floor on sheet A-1.

### I am also faxing

1. The garage fan spec. This is rated around 50 db.

- 2. A revision to our roof type calling for fire retardant sheathing for 4' in from the roof edge.
- 3. Revision to cover sheet changing sprinkler from 13r to 13.

It is our intent at the start of construction to give you a complete new set of drawings and throw out the faxes.

Thanks, Bill Hopkins

---- Original Message ----

From: "Mike Nugent " <MJN@ci.portland.me.us>

To: <hopkins2@archetypepa.com>

Sent: Wednesday, July 30, 2003 4:37 PM

Subject: 41 State--Almost there

### And Finally

- 1) Section 1210.1 contemplates that the rafter space be vented (kind of like ridge and soffit type vents.) Please comment
- 2) What is the fire class on the roofing. & Does EDPM comply with Section 1705.5 of the Code.
- 3) Flat Roof snow load must comply with section 7.3 of ASCE 7
- 4) The exterior stairs on the North side, any details?
- 5) Where the heck is the basement?

Please review all previous transmissions and correspondence for outstanding issues!

N.A. — Not applicable	/ J7	ARC	57.	
ADMINIST	RATION	(Chapter 1		
Complete construction documents (107.5, 107.6, 107.7)  NELO SECS			ed/sealed construc 07.7, 114.1)	tion documents
New Stecs.				•
BUILDING PLAN	INING (C	hapters 3,	4, 5, 6)	
USE OR OCCUPANC	Y CLASSIFI	<b>CATION (302.</b>	<b>)-313.0</b> )	
Single Use Group	•	Spec	ific occupancy area	ıs <i>(302.1.1)</i>
Mixed Use Groups		Acce	ssory areas (302.1.	2) _
TUPE 3	5/A C	UNSTRO	Cron	
GENERAL BUILDING	G LIMITATIO	NS (Chapters	5 & 6)	
Apply Case 1 to determine the allowable height and a single use group or nonseparated mixed use groups. nitted types of construction for a building containing s	ADDIV CREATER		ruction for a buildin lowable height and	g containing a area and per-
	FICATIONS TO		La lesta espais	•
of Allowable tabular area (Table 503) 1009				
Reduction for height (Table 506.4)		meter	0 0	70
Increase for open perimeter (506.2) + C	<u>%</u> Ope	506.2) North	East South	Vest
Increase for automatic sprinklers (506.3) + /04	2% perir	171	Perimeter	236 ft.
		pen perimeter =	(Open perim./peri	m.) × 100%
tal percentage factor		b. area increase =		
(Total percentage factor/100%)		06.2)	2x(% Open peri	m25%)
	and the second			
CASE 1 — SINGLE USE OR NONSEP	ARATED MIXE	D USE GROUPS	(313.1.1, 503.0)	
ng Table 503, identify the allowable height and area of ed use groups. Construction types that provide an a a and allowable heights (as modified by Section 504.0	allowable tabula	ar area equal to o	r oreater than the a	adiusted floor
wal floor area 5/2-24480 R-16320 to		uilding height	féet	stories
isted floor area 5 2953 R/0 k 33 k	2 Allowable	e building height	feet	stories
usted floor area = actual floor area/conversion factor	<b>r</b>	HEIGH	9 QUE	55704
nitted types of construction	_ Type of cons	struction assumed	for review (602.3)	····
MOVER SHEEF ERAR.	,	Alzzan	INE AC	DNITY
COVER SHEEF EREA. SJ. CANSC 15,300.	-5-	122	WES A5 412-50	409-3
		402 THRO	4/2-10	15490

3	.6	(9913 BOCK 1.5	CFM	MUST	PROVIDE INF	· · · · · · · · · · · · · · · · · · ·
	SATRIUMS	(4) Complete to	DEFSO	r. yaga	Private garages (407.0)	in
	<b>§</b> Aut	omatic sprinkler system (404.2	- <b>B</b>	V	Public garages (408.0)	1 4
6		upancy (404.3)	* ~ ~	A	Use Group 1-2 (409.0)	FILE
		oke/control (404-4)	8	· <b>/</b> /	Use Group 1-3 (410.0)	SED. (Spanku)
3	4 1 1 1 1 1 1 1 1	osure (404.5)	0 X-	- A - \	Stages and platforms (412.0	
72		alarm system (404.6)	FT-	-/	Special amusement building	s (413.0)
4	Tray	el distance (404.7)	B11-		HPM facilities (416.0)	Ó
M.	OTHER SECIAL USE	E AND OCCUPANCY	Q -	1-1-	Hazardous materiale (307.8,	417.0)
W	Unde	orground structures (405.0)	<b>&gt;</b> -	<del>                                     </del>	Use Groups H-1, H-2, H-3 ar (418,0)	nd H-4 >
ک	Oper	parking structures (406.0)		1	Swimming pools (421.0)	0
4		FIRE PROTECTI	ON (C	napters		9
W	FIRERESIS	STANT MATERIALS AND	CONSTR	UCTION (	Chapter 7 and Table 602	'En i
4	Note: Entry in indic	ates required rating in hours. N	C FIR	E PARTITION	IS .	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
``	indicates noncombustible	· • • • •		1/2 HR	Exit access corridors (711.0,	1011.4)
10	COMBUSTIBILITY (603	or walls		7 HM	Tenant separations (711.0)	34
A	7	elements eg	님	<b>X</b>	Dwelling unit separations (71	<i>(</i> , )
Ž	1/1/R Roof	in in the state of	OTH.		Guestroom separations (711.	0)
N	CONSTRUCTION DOGL	IMENTS (703.0)		$\Lambda / \Lambda \Lambda$	ISTANT CONSTRUCTION  Fire and party walls	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
7	Fire tes	ts (704.0)	[	10/10	(707.0 and Table 707.1)	
0	EXTERIOR WALLS (507.		片-		Smoke barriers (712.0)	
W.	North	East South West		Who .	Nonloadbearing partitions (Table 602)	1 14
	Fire separation	<b>3</b>		(O)	Interior loadbearing walls,	
りへ	distance				columns, girders, trusses (716.0)	
1 1	Loadbearing L			{	Supporting construction	
£ 3	Nonloadbearing		· []	4. V	(716.0)	
301		opening protectives	HORA		(713.0, 1006.3.1)	3
3r		, 706.0) GET YH	_		(713.0, 715.0)	
E COL		walls (705.6) MUS (	BE F	TOLL NF	enetrations (2.0)	V
W.	FIRE SEPARATION ASSEM	osures (709.0, 710.0, 1014.11)		0	pening protectives (717.0, 719	Q NIFOO
No.	<b>7</b>	alts (709.0, 710.0)			720.0)	16
2	7 GARAI	e and fire area separations	÷		re dampers (718.0)	U JA
の作っ	<b>(313.1:2</b> 7		50	a Make	eblocking/draftstopping (721.0 ermal and sound-insulating	= 34
737		paration assemblies , Table 602	Ombu		ermai and sound-insulating laterials (723.0)	520
		Table 6021	Ku.	?	500-507	008
			7-			

Building height (915,2.1)	Approval (919.3)
Building area (915.2.2)	Institutional (I) (919.4.1, 919.4.2, 919.4.
Malls (915.2.3)	Residential (R-1) (919.4.4)
Stages (915.2.4)	Sprinklered buildings exception (919.5)
Approved system (915.3, 915.3.1)	Zones (919.6)
Piping design (915.4)	SINGLE- AND MULTIPLE-STATION SMOKE
Water supply (915.5)	DETECTORS DETECTORS
Control valves (915.6)	Residential (R-1) (920.3.1)
Hose connection (915.7)	Residential (R-2, R-3) (920.3.2)
IRE DEPARTMENT CONNECTIONS	Institutional (I-1) (920.3.3)
Required (916.1)	Interconnection (920.4)
Connections (916.2)	Battery backup (920.5)
	FIRE EXTINGUISHERS
ARD HYDRANTS	Approval (921.1)
Fire hydrants (917.1)	Required (921.2)
RE ALARM SYSTEMS	
Approval (918.3)	SMOKE CONTROL SYSTEMS
Assembly (A-4), Educational (E) (918.4.1)	Passive system (922.2.1)
Business (B) (918.4.2)	Mechanical system (922.2.2)
High-hazard (H) (918.4.3)	Smoke removal (922.3)
Institutional (I) (918.4.4)	Activation (922.4)
	Standby power (922.5)
Residential (R-2) (918.4.6)	SMOKE AND HEAT VENTS
Location/details (918.5)	Size and spacing (923.2)
Power supply/wiring (918.6, 918.7)	SUPERVISION
Alarm-notification appliances (918.8)	Fire suppression systems (924.1)
Voice/alarm signaling system (918.9)	Fire alarm systems (924.2)

MEANS OF EGRESS (continued	Ramps (1016.0) DECULIE
712 4:12	RAMIT CAUSE CULLED
Air movement in egress elements (1005.7)	Means of egress doorways (1017.0)
OK-NEED WETACL TO , PAROW	Means of egress doorways (1017.0)
Types and location of egress (1006.0)	Number of doorways (1017.2)
Exit access travel distance (1006.5 and 36' y 6' K"	Size of doors (1017.3) 1 7.0
Table 1006.5)	Door hardware (1017.4)
WIP Accessible means of egress (1007.0)	Pool Hallowara (1017.47)
1 10 CINS SPRESCUA	Revolving doors (1018.0)
Emergency escape (1010.4)	Horizontal exits (1019.0)
Exit access passageways and corridors	1220 STARS CW NORTH
(1011.0) WHICH DOURS -OK	Level of exit discharge passageway
h / a Airles and acressways (10120) FEBH AL (400	(1020.0)
APT. DE YES	Guards (1021.0)
Grandstands (1013,0) Fogus 45	Handrails (1022.0)
Interior stairways (1014.1 - 1014.11)	
90	Exit signs and lights (1023.0)
1014.12) Exterior stairways (1014.1 - 1014.10, 1014.12)	Means of egress lighting (1024.0)
N/D	Means of egress lighting (1024.0)  BYHIL TOURK  Access to roof (1027.0)
Smokeproof enclosures (1015.0)	Access to roof (1027.0)
7	
ACCESSIBILITY (Chapter 11)	
	912
Beguired (1303.0)	Accessible entrances (1106.0)
Accessible route (1104.0)	Special use groups (1107.0)
Parking facilities (1105.0)	Features and facilities (1108.0)
- Tarking recommend ( )	Jaken
	1 O ARA
INTERIOR ENVIRONMENT (Chapter	12) 5
The state properties of the state of the sta	10
Room dimensions (1204.0) / 160	ir-borne noise (STC) (1214.2)
Charles Road Not	
Roof spaces (1210.1, 1211.2) SHOW S	tructure-borne sound (IIC) (1214.3)
	atproofing (1215.0)
DIN DING FAVEL ORE (Chartors	. 14 15)
BUILDING ENVELOPE (Chapters	
EXTERIOR WALL COVERINGS (Chapte	er 14)
1060	
Performance requirements (1403.0)	mblistible material restrictions (1406.0)
Batch   Wall sidings and veneers   TABIA	(1)-00.0/
(1404.0, 1405.0)	

STRUCTURAL DESIGN CALCULATIONS (continued)	
Unbalanced snow loads considered (1608.6)	Internal pressure effects considered (1609.7, 1609.8)
Drift snow loads considered (1608.7)	Components and cladding effects considered (1609.8)
Sliding snow loads considered (1608.8)	Load combinations considered (1613.1)
MATERIAL PERFORMANCE (CI	napter 17)
Material performance technical data or BOCA Evaluation Services or	Masonry construction (1705.5)
National Evaluation Services report supplied (1703.0) Report No	Wood construction (1705.6)
Owner's special inspection program specified (1705.0)  Prefabricated items (1705.2)  Steel construction (1(05.3)	Prepared fill and foundations (1705.7, 1705.8, 1705.9)
Prefabricated Items (1705.2)	Fireresistive materials (1705.12)
	EIFS, wall panels and veneers (1705.10, 1705.13)
Concrete construction (1705.4)	
FOUNDATIONS AND RETAINING WAL	LS (Chapter 18)
Soil type (1611.0, 1802.1, 1804.1)	Foundations (1814.0 - 1824.0)
Bearing value (1611.0, 1802.1, 1804.1)	Poundation walls (1611.0, 1812.0)
Soil report (1802.1, 1804.1)	Waterproofing/dampproofing (1813.0)
Prepared fill (1804.1.1)	Retaining walls (1611.0, 1825.0)
Footings (1806.0 + 1811.0)	
STRUCTURAL MATERIALS (Chapter 19	
Plain, reinforced and prestressed concrete design/construction standard	Minimum concrete strength (Table 1907.1.2[1])
specified (1901.1, 1903.1.1)  Minimum slab requirements (1905.1)	Cold-weather and hot-weather curing specified (1908.9, 1908.10)
MASONRY (Chapter 21)	
Engineered masonry design/construction standard specified (2101.1.1)	Cold-weather and hot-weather construction specified (2111.3, 2111.4)
Empirical masonry design (2101.1.2)	Fireplaces and chimneys (2103.2, 2113.0 -
Construction materials (2104.0)	2117.0)
Mortar type (2104.7)	Glass block (2118.0)

Construction (Construction State of Construction State of Construc	
LIGHT-TRANSMITTING PLASTIC (2503.5, 2604.0)	Unprotected openings (2606.0)
Diffusing systems (2604.5)	Rook panels (2607.0)
Wall panels (2605.0)	Skylight glazing (2608.0)
Yes	CES (Chapters 28, 30)
HR SARAPOD MECHANICAL S  Waste- and linen-handling  systems (2807.0)	YSTEMS (Chapter 28) / He SER. (No APACE (2808.0)
Waste- and linen-handling systems (2807.0)	Refuse Vaults (2808.0)
ELEVATORS AND CONV	EYING SYSTEMS (Chapter 30)
Construction standard specified (3001.	2) Venting (3007.3 - 3007.6)
Elevator emergency operation (3006.2)	Opening protectives (3008.2)
Hoistway enclosure (3007.1)	Conveyors and escalators (3010.0, 3011.0
Membrane structures (3103.0)  Flood-resistant construction (3107.0)  Towers (3108.0)	PEDESTRIAN WALKWAYS (3106.0)  Construction and use (3106.1 - 3106.3)  Separation (3106.4)  Local approval (3106.5)  Egress and size (3106.6 - 3106.8)
and the state of the	CTURES (Chapter 34)
	Additions/alterations (3403.0, 3404.0)
General requirements (3402.0)	
Structural loads (1614.0, 8402.5)	Change of occupancy (1110.3, 3405.0)
Accessibility (1110.0, 3402.7)	Compliance alternative evaluation (3408.0
BUILDING EVALUATION	N SUMMARY (Table 3408.7)
Existing use group	Proposed use group  Number of stories  Area per floor
Type of construction	Percentage of height reduction %
Completely suppressed: Yes No Compartmentation: Yes No	Corridor wall rating No No
Fireresistance rating of vertical opening enclosures Type of HVAC system	_, serving number of floors

### STATEMENT OF SPECIAL INSPECTIONS

PROJECT:	Casco Terrace	
LOCATION:	41 State Street Portland, Maine	
OWNER:	Maine Workforce One Longfellow S Portland, ME 041	Square
ARCHITECT OF RECORD:	Archetype, P.A. 48 Union Wharf Portland, ME 041	01
STRUCTURAL ENGINEER OF RECORD:	Structural Design 5 Balsam Lane Falmouth, ME 04	
This Statement of Special Inspections is submitted Section 1705.0 of the 1999 BOCA National Buildi Services applicable to this project as well as the ragencies intended to be retained for conducting the	ng Code. It includ name of the Special	es a Schedule of Special Inspection
The Special Inspector shall keep records of all in Interim Special Inspection Reports to the Buildin discrepancies shall be brought to the immediate discrepancies are not corrected, the discrepancies of Official and the Architect of Record. A Final Repall special inspections and correction of all discrepatible Building Code Official.	g Code Official and attention of the shall be brought to port of Special Inspecial Inspectation Insp	d to the Architect of Record. All Contractor for correction. If the the attention of the Building Code ections documenting completion of
Job site safety is solely the responsibility of the Cornot to include the Contractor's equipment and meth		
Prepared by: TETHENALT 4840  Signature Date  Date  Date  Date  Date  Date  Date		
Owner's Authorization:	Building Cod	e Official's Acceptance
	Signature	Date
Natua S. Szanton	Terrace	Duic
Maine Workfore Housing, LLC Portlan	d, Maine 1 of 3	

### SPECIAL INSPECTION AGENCIES

1. SPECIAL INSPECTOR:

David Tetreault, P.E.

Structural Design Consulting, Inc.

5 Balsam Lane

Falmouth, ME 04105

2. TESTING AGENCY:

**Summit Labs** 

197 U.S. Route One

Scarborough, ME 04070

3. TESTING AGENCY:

Note The inspection and testing agents shall be engaged by the Owner or the Owner's Agent and not by the Contractor or Subcontractor whose work is being inspected or tested. Any conflict of interest shall be disclosed to the Building Official prior to commencement of work.

Casco Terrace Portland, Maine Page 2 of 3

### SCHEDULE OF SPECIAL INSPECTION SERVICES

### 1. Structural Steel Construction

Item	Agent No.	Scope
Materials	1	Review material for conformance with Contract Documents.
Welding	2	Perform visual inspection of all welds. Welds deemed questionable by visual inspection, all partial and full penetration welds, and any other welds indicated on the Contract Documents shall be tested by Liquid penetrant inspection, magnetic particle inspection, radiographic Inspection or Ultrasonic Inspection
Details	1	Review framing details for conformance with Contract Documents.

### 2. Wood Construction

Item	Agent No.	Scope
Materials	1	Review materials for conformance with Contract Documents.
Details	1	Review framing details for conformance with Contract Documents.

Casco Terrace Portland, Maine Page 3 of 3

Marge Schmuckal

To:

PENNY LITTELL; Sarah Hopkins

Date:

Tue, Jun 10, 2003 2:58 PM

Subject:

41 State Street - contract zone

I just received a permit application for 41 State St. I have never received a copy of the contract zone. Can I get a copy of it? Also, at what stage of planning review is this? Can we issue the permit? Are all guarantee fees pd yet? Any info would be helpful so that we don't inadvertently mess it up.

thanks for any help, Marge

CC:

William Needleman

The second secon * ; 177 

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48 Union Wharf, Portland, Maine 04101 (207) 772-6022 • Fax (207) 772-4056

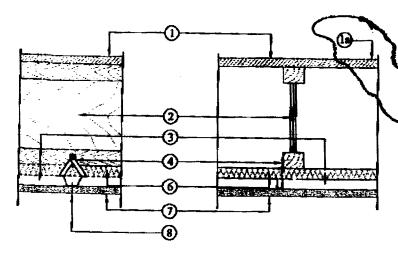
PLEASE CALL THE PERSON SENDING IT AS SOON AS POSSIBLE.
THANK YOU.

			general programme and the second seco	65/56 00/56	Secure Secure	
Deck	Riesi Mope	Reside		2		10. Industry
C/ NC	2	^	Inquinters 1) Pirestone (SO 95+ GL, any thiokness 2) Pirestone PiberTop B.C.E.or S (min.1/2") 3) No Insulation requires Pirestone Protection Maturider EPDM membrane			ABA(01

Deak	Max Slope	Rating	Assembly	Rentseks	Q1. Nem #	
NC	1/4	A	Insulation: Firestone FiberTop B.C.E or S (min. 1/2") over Firestone ISC 95+ GL, any thickness		A, FA,01	
C/ NC	1-1/2	۸	insulation: min. 1/4*Georgia Pacific "Dens-Geck" over Piressone ISO 95+ GL, any thickness	see UL FA header	A,FA,90	
NÇ	1/4	C	insulation; Firestone 18O 95+ GL, any thickness		C, FA, 03	
c	1/4	A	Insulation: Finatione FiberTop B,C,E or S (min. 1/2") over Firestone ISO 95+ GL, any thickness over Sarrier Board: min. 1/4" Georgia Pacific "Dens-Deck"	see UL FA header	A, FA, 01	
С	1/4	С	Insulation: Firestone ISO 95+ GL, any thickness over Barrier Board: min. 1/4" Georgia Pacific "Done-Deck"	see UL FA header	C, FA, 03	

		$\mathcal{L}(X)(y)$			
Deck	Mex Stope	Pathog	Assethaty	Pateriantes	UL Horse
C/N-	3-1/2	۸	insulation: min. 1/4"GeorgiaPecific "Dens-Deck" over Firestone ISO 95+ GL, any thickness	Sea UL FA header	A, FA, 29
NC	1	A	insulation; Firestone PiperTop S,C,E or S (min. 1/2") ever Firestone IBO 95+ QL, any thickness		A, FA, 08
NÇ	1	A	Insulation: Prestone ISO 95+ GL, any thiolones		A. PA, 19
c	1	A	insulation: Firestone FiberTop B.C.E or S (min. 1/2") over Pirestone ISO 95+ GL, any thiokness over Barrier Board: min. 1/4" Georgia Pacific "Dens-Deck"	see UL FA header	A. FA, 03
C	1	^	insulation:Firestone ISO 88+ GL, any thickness over Berrier Board: min. 1/4" Georgie Pacific "Dens-Deck"	see UL FA header	A, FA, 19

TOTAL P.01



I HOUR FLOOR/CEILING AND I HOUR CEILING/ROOF ASSEMBLY

#### 201 1 HOUR FLOOR CERLING ASSEMBLY

Pers Test - VI. LSM Sound Test HKR-200 Assembly "D" STC47

- 1. Plateb Plearing 48 x 3/4" trick wood structural pencis, "Single-Floor". Pencis installed perpendicular to joint with end joints staggared 4ft. Plywned secured to joints with construction adherive and No.Ad constructional clasters. Adherive applied at Me dien head to ten flames of injettaned ground edges of physicos. Mails spaced 12" O.C. along each joint.
- 1A. Real Standing to be fire returned per AWPA C 27, 4" from med edge on North East and South walls.
- 2. Structural Wood Mondell's 1/12 Mitty Transport (1956 Joint spaced a max 24" O.C min joint binning on bearing plants with two No.84 pails at each and, Circular holes may be out in the web of the joints in accordance with the manufacturer's published installation instructions.
- 3. Farring Channels 7/8" deep, formed of min 0.019" thick (26 gauge) galv steel installed perpendicular to joints. Furning channels speed I-1/2" from and on each side of wallboard end joints and 24" O.C away from and joints. Channels secured to joint with support clips (fram 4) at each joint location. At channel splices, miacont pieces overlapped 6' and tind with double strand of no.18 SWG galy steel wire at each end of everlap.
- 4. Support Clip Steel Franking Members One apport clip to be used to support Paring channels at the intersection with each joint. Support clips nailed to a icle of joint bettern flange with one 1-1/2" long up. 1.1 gauge (0.125" discussional) sail.

#### SIMPSON STRONG-THE CO INC - Type CSC

- 5. Stabilizer Strap (not these) 3/4 x 6 x min0.023° thick (24 gauge) galv stoct attap used to prevent rotation of the support elips at wellboard and gloints and altern water. At wellboard and joints (3° 0/C species of fishing channels, architect stops apen between the channels and are support of the first point of steel acrosse. On farring changes neasest to and parallel with wall, one and of the stabilizer steep is serrer exected to the farring channel, adjacent to each support of its location, using no.8 self-terping steal screws. The free end of the stabilizer steap is twinted 90 degree, best upward, and surrou- or nell-stacked to the side of the structural wood member bottom flarage on the side of the support diameters for wall.
- 6. Butts and Blankets* 1" thick the manifest (at finer ceiling) 10-1/4" B.38 frood betts (16" wide at roof exceedily), 48" immg. with width of but equal to on center spening of standard wood members (max 24") Bott inserted between farring channels and bottom thege of joint with long dienecation perpendicular to turning channels and with butted end joints centered over floring channels.

#### THERMAPBER L I. C - Type FIL

- 7. Wallbeard, Gypnum" -1/2 or \$/8" thick, 4 ft wide. Shorts of watt-board installed with long dimension proposalizator to farring channels and finitened to charactle with 1" long wellboard scrows located 3/4" and 5" from wellboard side leints and 12" O.C in the field. At butted and injutus, two farring channels are used which extend to a min of 6" beyond each ent of joint.
- B. Serevez, Wallhoard 1" long, Type S, 906" diam, Hi-Lo throad, self-drilling and self-tapping, bught keed stool scorers.
- 9. Plainbling Brutsen (not shown) Peper upo contedded in comentitous compound over joints with edges of compound feathered-out and exposed screw boards covered with compound.
- * Bearing the UL Classification Marking.

See drawings for spelling chinis

# **BOCA 1999**

### Code Reference

	Use Group R-2 (Residential)	310
<i></i>	Use Group S-2 (Storage)	408.2
4	R-2 Sprinkled W/NFPA 13	906.2.1
•	S-2 Sprinkled W/NFPA 13	906.2.1
	ConStruction Type 5-A	
	For Use Group R-2	T-503
	$10200 - 20\% \times 2 =$	T-503
	16300 SqFT allowed w/Sprinkler	
	8395 SqFT Proposed	
	•	504.2
	4 Stories Allowed w/Sprinkler	
	4 Stories Proposed	
	<b>.</b>	504.2
	60' Height Allowed w/Sprinkler	

1/31/2003 11:22:26 AM