`	
, ,	COMM
	Š
`	₹ 7
7	J
ò	x)
	TAX: X
- >	≺
~	7
	L
	٠.
_ 2	J
ř	_
à	0
	() 0/4-0/00
٦,	7
ò	0
-	_
Š	_
~	₹
-	_
<u>.</u>	-
	D
Ç	
₹***	01, 101. (207)
	>
7101	+
2	5
2 to 1 to 1 to 1000 1000 1000 1000 1010 101	•
4	5
	5
Š	3
V	2
Ç	Ö
ď	3
È	4
- 0	ή
ح	5
C)
0	
$\overset{\circ}{\alpha}$	5
(1	ĩ
Ç	ì
380	آ ب
ion 3	(() ())
Ption 3	
cotion 3	
1004	
1004	
1004	
1004	
it Annicotin	TOTAL ATTO
nit Annicotin	TOTAL ATTO
nit Annicotin	TOTAL ATTO
nit Annicotin	TOTAL ATTO
nit Annicotin	TOTAL ATTO
nit Annicotin	TOTAL ATTO
nit Annicotin	TOTAL ATTO
nit Annicotin	TOTAL ATTO
nit Annicotin	
nit Annicotin	
nit Annicotin	TOTAL ATTO
nit Annicotin	D. C.
nit Annicotin	D. C.
nit Annicotin	D. C.
nit Annicotin	D. C.
ng or Use Permit Application	D. C.
nit Annicotin	D. C.
- Building or Use Permit Annlies ti	D. C.
- Building or Use Permit Annlies ti	D. C.
- Building or Use Permit Annlies ti	D. C.
- Building or Use Permit Annlies ti	D. C.
nit Annicotin	D. C.
Maine — Building or Use Permit Annliestic	
Maine — Building or Use Permit Annliestic	
Maine — Building or Use Permit Annliestic	
Maine — Building or Use Permit Annliestic	
Maine — Building or Use Permit Annliestic	
Maine — Building or Use Permit Annliestic	
'ortland, Maine – Building or Use Permit Annlication	D. C.
'ortland, Maine – Building or Use Permit Annlication	
'ortland, Maine – Building or Use Permit Annlication	
- Building or Use Permit Annlies ti	

1 000000			1101, 101. (201) 01	10. (501) 014-0102, LAA. 014-0110
Location of Construction:	Owner:	Anne:		Permit No:
Owner Address:		Phone: BusinessName:	Tame:	981140
Contractor Name:	Address: P.O. Box 428 Sebago Lake,	Phone:	9007-60	P. PERRINI SSUED
Past Use:	l Use:	COST OF WORK:	PERMIT FEE:	1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
	受問が	PT. ☐ Approved ☐ Denied	8	CITY OF PORTLAND
Proposed Project Description:	The state of the s	Signature: Signature: Signature: PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)	Signature: S DISTRICT (P.A.D.)	Zoning Approval:
Replace slab & Foundarios no entertas apple	电影音片电影 医阿林氏病 经工作基本计算	Action: Approved Approved wil	Approved Approved with Conditions:	Special Zone or Reviews:
A Assert		Signature:	Date:	☐ Flood Zone ☐ Subdivision
Permit Taken By:	Date Applied For:	Septembers 1998		
 This permit application does not preclude the Applicant(s) from meeting applicable State and Federal rules. Building permits do not include plumbing, septic or electrical work. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work 	Applicant(s) from meeting applicable State ptic or electrical work. I within six (6) months of the date of issuan all work	g applicable State and Federal rules. the date of issuance. False informa-		Zoning Appeal Variance Miscellaneous Conditional Use Interpretation Approved
		PERMIT ISSUED WITH REQUIREMENTS	ISSUED REMENTS	Historic Preservation ©Not in District or Landmark ©Does Not Require Review ©Requires Review Action:
I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provisions of the code(s) applicable to such permit	CERTIFICATION named property, or that the proposed worl s his authorized agent and I agree to confissued, I certify that the code official's aut ur to enforce the provisions of the code(s)	is authorized by the owner of record to all applicable laws of this norized representative shall have applicable to such permit	ord and that I have been jurisdiction. In addition, the authority to enter all	☐ Appoved ☐ Approved with Conditions ☐ Denied ☐ Date:
SIGNATURE OF APPLICANT	ADDRESS:	20 September 1998	PLYONE.	
, RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE			PHONE:	CEO DISTRICT

White-Permit Desk Green-Assessor's Canary-D.P.W. Pink-Public File Nory Card-Inspector

BUILDING PERMIT REPORT REASON FOR PERMIT: Typhace 5Lab/Founda JION CONTRACTOR: W.H. LOVIGE INC. PERMIT APPLICANT:__ USE GROUP CONSTRUCTION TYPE 5/2 BOCA 1996 CONDITION(S) OF APPROVAL This Permit is being issued with the understanding that the following conditions are met: Approved with the following conditions: */ *2, *2, 6, *24, *26 # 28 This permit does not excuse the applicant from meeting applicable State and Federal rules and laws. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used. the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2 Foundations anchors shall be a minimum of \$1/2" in diameter, 7" into the foundation wall, minimum of 12" form corners of 12.6 From corners of foundation and a maximum 6'o.c. between bolts. (Section 2305.17) Precaution must be taken to protect concrete from freezing. Section 1908.0 It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4 Section 407.0 of the BOCA/1996) All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211 Sound transmission control in residential building shall be done in accordance with Chapter 12 section 1214.0 of the city's building code. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42", except Use Group R which is 36". In occupancies in Use Group A, B, H-I, I-1, I-2 M and R and public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. (Handrails shall be a minimum of 34" but not more than 38". Use Group R-3 shall not be less than 30", but not more than 38".) Handrail grip size shall have a circular cross section with an outside diameter of at

least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0)). Headroom in habitable space is a minimum of 7'6". (Section 1204.0)

3.

5.

б.

7.

8.

.0. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use group minimum 11" tread. 7" maximum rise.(Section 1014.0)

The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6' 8") 1014.4 1.

Every sleeping room below the fourth story in buildings of use Groups R and I-1 shall have at least one operable window or 2. exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height

LAND USE - ZONING REPORT

BUILDING OWNER: Boyd 's Arme Marky CB-L; 344-C-3 PERMIT APPLICANT: Owner APPROVED: With conditing DENIED: #4. #6. Denied Compiler of the existing Section 14-410, shall be maintained. 2. The footprint of the existing shall not be increased during maintenance reconstruction. 3. All the conditions placed on the original, previously approved, permit issued on are still in effect for this amendment. 4. Your present structure is legally nonconforming as to remaind side sotbacks. If you were to demolish the building on your own volition, you will not be able to maintain these same setbacks. Instead you would need to meet the zoning setbacks set forth in today's ordinances. In order to preserve these legally non-conforming setbacks, you may only rebuild the garage in place and in phases. 5. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval. 6. Our records indicate that this property has a legal use of units. Any change in this approved use shall require a separate permit application for review and approval. 7. Separate permits shall be required for any signage. 8. Separate permits shall be required for future decks and/or garage. 9. Other requirements of condition This is Not a permit to Allow Year to the Aray down, or remove the gange and Them to the Aray down, or remove the gange and Them to the Aray down, or remove the gange and Them to the Aray down, or remove the gange and Them to the Aray down, or remove the gange and Them to the Aray down, or remove the gange and Them to the Aray down, or remove the gange and Them to the Aray down, or remove the gange and them to the Aray down.	ADDRESS: 11 MAplewood St DATE: 10/z/98
PERMIT APPLICANT: Owner APPROVED: With conditions DENNIED: #4 CONDITION(S) OF APPROVAL 1. During its existence, all aspects of the Home Occupation criteria, Section 14-410, shall be maintained. 2. The footprint of the existing	REASON FOR PERMIT: TERRACA SLAD Com dato
APPROVED: With and a DENIED: #4 CONDITION(S) OF APPROVAL 1. During its existence, all aspects of the Home Occupation criteria, Section 14-410, shall be maintained. 2. The footprint of the existing	
APPROVED: With conditions DENIED: #4 CONDITION(S) OF APPROVAL 1. During its existence, all aspects of the Home Occupation criteria, Section 14-410, shall be maintained. 2. The footprint of the existing	PERMIT ADDITICANT. BUT ON
1. During its existence, all aspects of the Home Occupation criteria, Section 14-410, shall be maintained. 2. The footprint of the existing	APPROVED, With conditional presumen.
1. During its existence, all aspects of the Home Occupation criteria, Section 14-410, shall be maintained. 2. The footprint of the existing	#4 # DENIED:
maintained. The footprint of the existing	
2. The footprint of the existing	
All the conditions placed on the original, previously approved, permit issued on are still in effect for this amendment. Your present structure is legally nonconforming as to remain side setbacks. If you were to demolish the building on your own volition, you will not be able to maintain these same setbacks. Instead you would need to meet the zoning setbacks set forth in today's ordinances. In order to preserve these legally non-conforming setbacks, you may only rebuild the garage in place and in phases. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval. Our records indicate that this property has a legal use of units. Any change in this approved use shall require a separate permit application for review and approval. Separate permits shall be required for any signage. Separate permits shall be required for future decks and/or garage. Other requirements of condition This is Not a permit to Allow Year to Leave down, or remove the garage and Them.	2. The footprint of the existing shall not be increased during maintenance
 Your present structure is legally nonconforming as to remanul (side) setbacks. If you were to demolish the building on your own volition, you will not be able to maintain these same setbacks. Instead you would need to meet the zoning setbacks set forth in today's ordinances. In order to preserve these legally non-conforming setbacks, you may only rebuild the garage in place and in phases. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval. Our records indicate that this property has a legal use of units. Any change in this approved use shall require a separate permit application for review and approval. Separate permits shall be required for any signage. Separate permits shall be required for future decks and/or garage. Other requirements of condition	3. All the conditions placed on the original, previously approved, permit issued on
to demolish the building on your own volition, you will not be able to maintain these same setbacks. Instead you would need to meet the zoning setbacks set forth in today's ordinances. In order to preserve these legally non-conforming setbacks, you may only rebuild the garage in place and in phases. 5. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval. 6. Our records indicate that this property has a legal use of units. Any change in this approved use shall require a separate permit application for review and approval. 7. Separate permits shall be required for any signage. 8. Separate permits shall be required for future decks and/or garage. 9. Other requirements of condition	are still in effect for this amendment. Your present structure is legally nonconforming as to remainal side setbacks. If you were
ordinances. In order to preserve these legally non-conforming setbacks, you may only rebuild the garage in place and in phases. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval. Our records indicate that this property has a legal use of units. Any change in this approved use shall require a separate permit application for review and approval. Separate permits shall be required for any signage. Separate permits shall be required for future decks and/or garage. Other requirements of condition	to demolish the building on your own volition, you will not be able to maintain these same
5. This property shall remain a single family dwelling. Any change of use shall require a separate permit application for review and approval. 6. Our records indicate that this property has a legal use of units. Any change in this approved use shall require a separate permit application for review and approval. 7. Separate permits shall be required for any signage. 8. Separate permits shall be required for future decks and/or garage. 9. Other requirements of condition This is Not a permit to Allow You to team to the garage and them.	ordinances. In order to preserve these legally non-conforming setbacks,-you may only
6. Our records indicate that this property has a legal use of units. Any change in this approved use shall require a separate permit application for review and approval. 7. Separate permits shall be required for any signage. 8. Separate permits shall be required for future decks and/or garage. 9. Other requirements of condition This is Not a permit to Allow You to team of the garage and them.	5. This property shall remain a single family dwelling. Any change of use shall require a
7. Separate permits shall be required for any signage. 8. Separate permits shall be required for future decks and/or garage. 9. Other requirements of condition This is Not A permit to Allow You to team down, or remove the garage and Than	
8. Separate permits shall be required for future decks and/or garage. Other requirements of condition This is Not A permit to Allow you to tear down, or remove the garage and Then	in this approved use shall require a separate permit application for review and approval.
to tear down, or remove the garage and Thou	8. Separate permits shall be required for future decks and/or garage
Tebuld, he requirement in item# 4 the A requirement	
V	Tebuld, The requirement in item # 4 the A requirement
Marge Schmuckal, Zoning Administrator, Asst. Chief of Code Enforcement	

THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

Building or Use Permit Pre-Application Additions/Alterations/Accessory Structures

To Detached Single Family Dwelling

In the interest of processing your application in the quickest possible manner, please complete the Information below for a Building or Use Permit.

NOTE**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.

Tax Assessor's Chart, Block & Lot Number Chart# 3 4 Block# Lot#3	Owner: Boyd+Anne Marley	Telephone#: 878 - 3224			
Owner's Address: 11 Maplewood St 04103	Lessee/Buyer's Name (If Applicable)	Cost Of Work: Fee \$ 400 \$ 400			
Proposed Project Description: (Please be as specific as possible) Replace slab and foundation to existing garage					
Contractor's Name, Address & Telephone WH Lavigne, Inc. Po Box 428 Sebago Lake 04075 839-4036 Rec'd By:					
Separate permits are required for Internal & External Plumbing, HVAC and Electrical installation. •All construction must be conducted in compliance with the 1996 B.O.C.A. Building Code as amended by Section 6-Art II. •All plumbing must be conducted in compliance with the State of Maine Plumbing Code. •All Electrical Installation must comply with the 1996 National Electrical Code as amended by Section 6-Art III. •HVAC(Heating, Ventilation and Air Conditioning) installation must comply with the 1993 BOCA Mechanical Code. You must Include the following with you application:					
1) A Copy of Your Deed or Purchase and Sale Agreement					

- - 2) A Copy of your Construction Contract, if available
 - 3) A Plot Plan (Sample Attached)

If there is expansion to the structure, a complete plot plan (Site Plan) must include:

Maplewood

The shape and dimension of the lot, all existing buildings (if any), the proposed structure and the distance from the actual property lines. Structures include decks porches, a bow windows cantilever sections and roof of critages, as well as, sheds, pools, garages and any other accessory structures. **VILDING INSPECTION**

Scale and required zoning district setbacks

4) Building Plans (Sample Attached)

A complete set of construction drawings showing all of the following elements of con-Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures

Floor Plans & Elevations

Location/Address of Construction:

Window and door schedules

Foundation plans with required drainage and dampproofing

Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

Certification

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

Signature of applicant:	L Marlen	Date: 9/23/98
Building Permit Fee: \$25.0	A for the let \$1000 shot plue \$5.00 per \$1.0	200 00 construction and the action

O:\INSP\CORRESP\MNUGENT\APADSFD.WPD

House

Inspection Services Michael J. Mugent Manager

CITY OF PORTLAND

November 10, 1998

Boyd & Anne Marley 11 Maplewood Street Portland, ME 04103

CBF: 344-C-003 BE: 11 Maplewood St

Dear Mr. & Mrs. Marley

This is a follow up letter as to my visit on 11/9/98 at 1:35 p.m. On 11/9/98 your plumber obtained a plumbing permit to extend a drain line; water and heat lines to the garage that you are having installed under your new concrete floor. This is a reminder that an office or other accessory use is prohibited in a detached structure in the R-5 Zone.

As per my conversation with you it is just an opportunity to have heat and water in your garage for a possible play room. Thank you for your consideration.

Тот Веіпзьогоидh

cc: Central File

Sincerely,

W.H.Lavigne

9/23/92

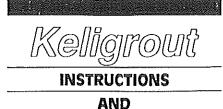
EXCAVATING
Newton Drive
Gorham, Maine 04038
Telephone (207) 839-4036

Marly Residence

work to be done:

British Building
British wew slab
With thickened edges.
Building will be held
down Anchor Straps.

SAND CONCRETE



INSTALLATION PROCEDURES

Drilled Holes

KELKEN-GOLD recommends that all holes for anchors be made with air tools whenever possible. Pneumatic drilling cleans the hole and prepares it for easy bonding. Sinker drills will make a hole much faster than comparably priced electric tools. Holes made with hollow bits will need only an air blowout FROM THE BOTTOM UP using an air pipe.

Surface Preparation

Electric drilled holes should be wire-brushed in addition to air blowouts so that concrete dust can be cleared allowing for good bonding. If holes were DIAMOND CORE DRILLED, KELKEN-GOLD RECOMMENDS that the sides of the holes be scored which will allow the resin to develop a keying action to the concrete surface.

Mixing

- 1. Pour pre-proportioned hardening powder into can.
- 2. Stir thoroughly with anchor for 90 seconds or until thoroughly distributed throughout resin.
- 3. Pour mixed KELIGROUT directly into the bottom 1/3 of the prepared hole.
- 4. Push anchor to the bottom of the hole and rotate the anchor to assure full wetting.
- 5. Do not disturb the anchor for one (1) hour.

Installation

A heat producing hardening powder is poured from the plastic container into Keligrout resin. It is hand mixed by stirring vigorously with the rod for 90 seconds. It is then poured into the bottom 1/3 of several clean air blown drilled holes. The holes may be damp but may not have running or standing water present.

The rods are pushed to the bottom of the holes and rotated to assure total "wetting". They are left undisturbed until gel occurs, which happens within minutes to 1 hour depending on the ambient temperature at the time of installation.

After the material has cooled it will have 50 to 60% of its ultimate strength. Complete cure is assured within 24 hours.

Shelf Life

The shelf life of Keligrout is 6 months from date (our lot number) which is stamped on every can.

Store Keligrout at 70° f out of direct sunlight.

Storage temperatures should never exceed 85°f.

Shipping

When shipping Keligrout always use D.O. T. # Adhesive UN1133.

Hot Weather

- 1. Keep Keligrout cool until immediately before using. An insulated cooler (and a little ice on really hot days) will do a good job. Do not let cans get wet.
- 2. Keep containers of Keligrout out of direct sunlight.

Cold Weather

- 1. Always use two containers of hardener when temperature is below 45°f.
- 2. Keep Kelibondanchor, rebar or coilrod and Keligrout warm (70°f) until Immediately before using.
- 3. A 100 watt bulb enclosed in a lockup box or insulated cooler works well at the job site. Material can also be warmed under a compressor engine's cover or in a truck cab.

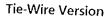
Caution

Solvents for Keligrout are highly flammable and volatile. DO NOT SMOKE OR USE NEAR OPEN FLAME OR SPARKS.

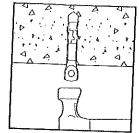
Do **not** use Keligrout in drilled or formed holes that are over 1/4" larger than the anchor's diameter without contacting Kelken-Gold.

See MSDS for complete information regarding use.

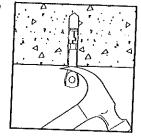
FOR PROFESSIONAL USE ONLY!



Using the proper diameter bit, drive the anchor into the hole until the head is firmly seated against the base material. Be sure the anchor is driven to the required embedment depth.

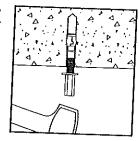


Set the anchor with a prying action using a claw hammer.

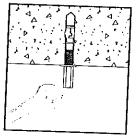


Rod Coupling Version

Drive the anchor into the hole until the coupling and washer are firmly seated against the base material. Be sure the anchor is driven to the required embedment depth.



Tighten the anchor by turning the coupling 3 to 4 turns or by applying the guide installation torque from the finger tight position.



24.4 Anchor Sizes and Styles

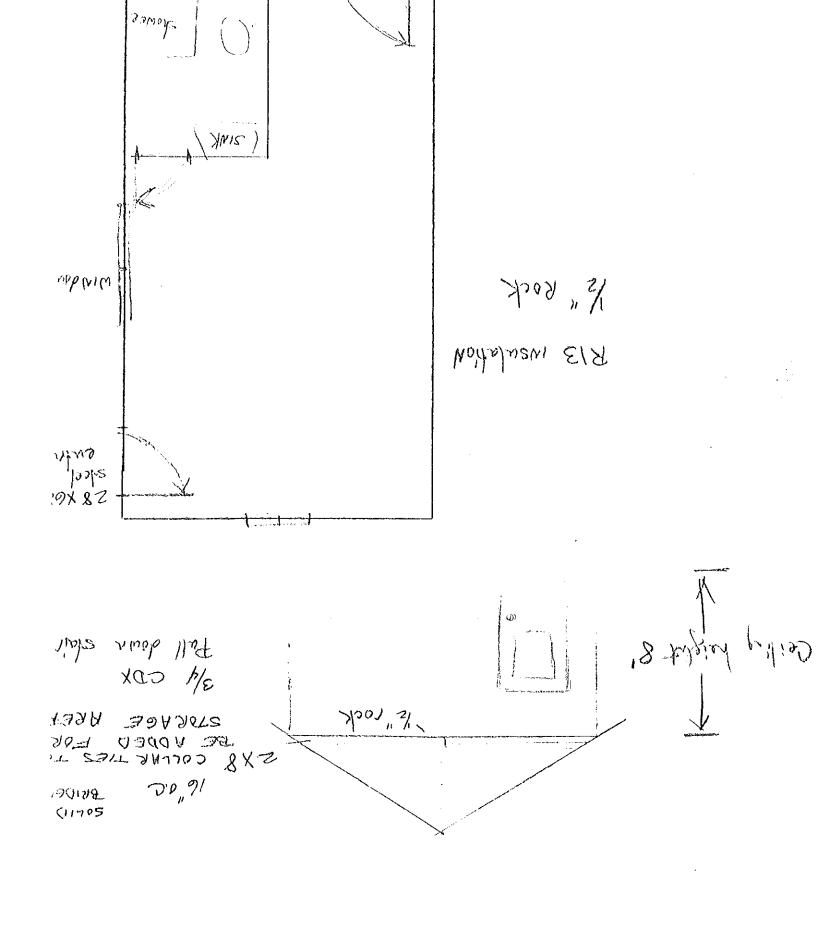
The following tables list the sizes and styles of standard Power-Stud anchors including zinc plated carbon steel, mechanically galvanized carbon steel, and stainless steel. The anchor length published for the standard threaded Power-Stud is measured end to end. To select the proper length for the threaded version, determine the embedment depth required to obtain the desired load capacity. Then add the thickness of the fixture, including any spacers or shims, to the embedment depth, along with the nut and washer thickness. The nut and washer thickness is equal to the nominal anchor diameter. This will be the minimum anchor length required.

Carbon Steel Power-Stud™

Carbon Steel Power-Stud anchors are manufactured from carbon steel which is plated with commercial bright zinc and a supplementary chromate treatment in accordance with ASTM Specification B 633, SC1, Type III.

Cat. Min. Thread Ength Std. Wt./ 100 7400 1/4" x 1-3/4" 1-1/8" 3/4" 100 500 3-1/2 3/4" 100 500 3-1/2 3-1/4" 100 500 3-1/2 7404 1/4" x 2-1/4" 1-1/8" 1-1/8" 2" 100 500 4-3/4 3-1/4" 100 500 4-3/4 3-1/4" 100 500 4-3/4 7410 3/8" x 2-1/4" 1-5/8" 1" 50 250 8-3/4 1-5/8" 1-1/2" 50 250 9-1/2 3-3/4" 50 250 10-3/4 7411 3/8" x 3-3/4" 1-5/8" 1-1/2" 50 250 10-3/4 1-5/8" 1-3/4" 50 250 10-3/4 1-3/4" 50 250 12-3/4 7413 3/8" x 3-3/4" 1-5/8" 2-1/4" 50 250 12-3/4 1-5/8" 2-1/4" 50 250 12-3/4 1-3/4" 50 250 12-3/4 7415 3/8" x 3-3/4" 1-5/8" 3-3/4" 50 250 12-3/4 1-5/8" 5-3/4" 50 200 21 2-1/4" 50 200 21 7420 1/2" x 2-3/4" 2-1/4" 2-1/4" 50 200 21 21 2-1/4" 50 200 21 7422 1/2" x 3-3/4" 2-1/4" 2-1/4" 50 200 23 23 7422 1/2" x 3-3/4" 2-1/4" 2-1/4" 50 200 23 28 7424 1/2" x 8-1/2" 2-1/4" 3" 50 200 28 7425 1/2" x 8-1/2" 2-1/4" 2-1/4" 50 200 28 7426 1/2" x 7" 2-1/4" 3" 50 200 28 7427 1/2" x 8-1/2" 2-1/4" 3" 50 200 28 7428 1/2" x 8-1/2" 2-1/4" 3" 50 20 20	Paramen	Dollar Variation						
The color of the			⊹. }_Min	. 'Thre	ad S	d, S	td.	We./
7402 1/4" x 2-1/4" 1-1/8" 1-1/4" 100 500 3 -1/2" 3/4" 100 500 3-1/2 7410 1/4" x 3-1/4" 1-1/8" 2" 100 500 4-3/4 7410 3/8" x 2-1/4" 1-5/8" 1" 50 250 8-3/4 7412 3/8" x 2-3/4" 1-5/8" 1-1/2" 50 250 9-1/2 9-1/2 1-1/2" 50 250 9-1/2 1-3/4" 50 250 9-1/2 1-3/4" 50 250 10-3/4 1-3/4" 50 250 10-3/4 1-3/4" 50 250 10-3/4 1-3/4" 50 250 12-3/4 1-3/4" 50 250 12-3/4 1-3/4" 50 250 12-3/4 1-3/4" 50 250 12-3/4 1-3/4" 1-1/4" 50 250 12-3/4 1-3/4" 1-1/4" 50 200 23 15-1/2 2-1/4" 50 200 23 15-1/2 12-3/4 1-1/4" 50 200 <	10000		Embe	d. Leng	th Bo	ж С		
1-1/4				-/1-	1" 10	00 50	20	3
7410 3/8" x 2-1/4" 1-5/8" 1" 50 250 8-3/4 7412 3/8" x 2-3/4" 1-5/8" 1-1/2" 50 250 9-1/2 7413 3/8" x 3-3/4" 1-5/8" 1-3/4" 50 250 10-3/4 7414 3/8" x 3-1/2" 1-5/8" 2-1/4" 50 250 10-3/4 7415 3/8" x 3-3/4" 1-5/8" 2-1/2" 50 250 12-3/4 7416 3/8" x 3-3/4" 1-5/8" 2-1/2" 50 250 12-3/4 7417 3/8" x 7" 1-5/8" 3-3/4" 50 250 12-3/4 7417 3/8" x 7" 1-5/8" 3-3/4" 50 250 12-3/4 7420 1/2" x 2-3/4" 2-1/4" 3-5/3/4" 50 200 21 7422 1/2" x 3-3/4" 2-1/4" 3-5/3/4" 50 200 23 7424 1/2" x 5-1/2" 2-1/4" 3" 50 200 23 7424 1/2" x 5-1/2" 2-1/4" 3" 50 200 23 7427 1/2" x 8-1/2" 2-1/4" 3" 50 200 23 7428 1/2" x 5-1/2" 2-1/4" 3" 50 200 44 7429 1/2" x 5-1/2" 2-1/4" 3" 50 200 44 7420 1/2" x 5-1/2" 2-1/4" 3" 50 200 44 7421 1/2" x 5-1/2" 2-1/4" 5-1/2" 25 100 44 7422 1/2" x 5-1/2" 2-1/4" 5-1/2" 25 100 44 7430 5/8" x 3-1/2" 2-3/4" 1-7/8" 25 100 46 7430 5/8" x 3-1/2" 2-3/4" 3-3/8" 25 100 57 7434 5/8" x 6" 2-3/4" 3-3/8" 25 100 57 7434 5/8" x 6" 2-3/4" 3-3/8" 25 100 57 7435 5/8" x 4-1/2" 2-3/4" 5-3/8" 25 75 64 7436 5/8" x 7" 2-3/4" 5-3/8" 25 75 64 7437 3/4" x 5-1/2" 3-3/8" 1-5/8" 25 75 100 7440 3/4" x 4-1/4" 3-3/8" 25 75 100 7440 3/4" x 4-1/4" 3-3/8" 25 75 100 7441 3/4" x 4-3/4" 3-3/8" 25 75 100 7442 3/4" x 5-1/2" 3-3/8" 1-5/8" 25 75 100 7443 3/4" x 5-1/2" 3-3/8" 1-5/8" 25 75 100 7444 3/4" x 6-1/4" 3-3/8" 2-1/4" 20 60 76 7449 3/4" x 10" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 8" 3-7/8" 2" 10 40 120 7451 3/4" x 10" 3-3/8" 1-3/4" 10 30 135 7452 7/8" x 8" 3-7/8" 2" 10 40 120 7453 1' x 12" 3-3/8" 1-3/4" 10 30 135 7454 7/8" x 10" 3-7/8" 2" 10 40 160 7461 1' x 6" 4-1/2" 2-3/8" 10 30 240 7465 1' x 12" 4-1/2" 2-3/8" 5 15 300		0.1 42-11		,	l" 10		,	
7412 3/8" x 2-3/4" 1-5/8" 1-1/2" 50 250 8-3/4 7413 3/8" x 3" 1-5/8" 1-3/4" 50 250 10-3/4 7414 3/8" x 3-1/2" 1-5/8" 2-1/4" 50 250 10-3/4 7415 3/8" x 3-3/4" 1-5/8" 2-1/4" 50 250 12-3/4 7416 3/8" x 5" 1-5/8" 2-1/4" 50 250 12-3/4 7417 3/8" x 7" 1-5/8" 3-3/4" 50 250 15-1/2 7410 1/2" x 2-3/4" 2-1/4" 50 200 21 7420 1/2" x 2-3/4" 2-1/4" 3* 50 200 21 7422 1/2" x 3-3/4" 2-1/4" 3* 50 200 28 7424 1/2" x 5-1/2" 2-1/4" 3* 50 200 28 7424 1/2" x 5-1/2" 2-1/4" 3* 50 200 28 7424 1/2" x 5-1/2" 2-1/4" 50 150 32 7427 1/2" x 8-1/2" 2-1/4" 5-1/2" 25 100 44 7430 5/8" x 3-1/2" 2-1/4" 5-1/2" 25 100 44 7431 5/8" x 5" 2-3/4" 2-7/8" 25 100 46 7432 5/8" x 4-1/2" 2-3/4" 2-7/8" 25 100 57 7434 5/8" x 6" 2-3/4" 3-3/8" 25 100 57 7435 5/8" x 8-1/2" 2-3/4" 1-5/8" 25 75 64 7436 5/8" x 6" 2-3/4" 1-5/8" 25 75 64 7437 5/8" x 6" 2-3/4" 1-5/8" 25 75 64 7438 5/8" x 8-1/2" 2-3/4" 1-5/8" 25 75 100 7440 3/4" x 4-1/4" 3-3/8" 25 75 100 7440 3/4" x 4-1/4" 3-3/8" 25 75 100 7441 3/4" x 4-3/4" 3-3/8" 25 75 100 7442 3/4" x 5-1/2" 3-3/8" 1-5/8" 25 75 100 7443 3/4" x 8-1/2" 3-3/8" 1-5/8" 25 75 100 7444 3/4" x 6-1/4" 3-3/8" 2-1/4" 20 60 76 7442 3/4" x 10" 2-3/4" 1-5/8" 25 75 100 7443 3/4" x 8-1/2" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 8" 3-7/8" 2" 10 40 120 7451 1/4" x 10" 3-3/8" 2" 10 40 120 7453 1' x 9" 4-1/2" 2-3/8" 10 30 200 7461 1' x 6" 4-1/2" 2-3/8" 10 30 240 7473 1-1/4" x 9" 5-5/8" 3-1/4" 5-1/4" 5 15 300				 -	10	0 50	ю [
7413 3/8" x 3" 1-5/8" 1-3/4" 50 250 10-3/4 7414 3/8" x 3-1/2" 1-5/8" 2-1/4" 50 250 12 7415 3/8" x 3-3/4" 1-5/8" 2-1/2" 50 250 12 7416 3/8" x 5" 1-5/8" 3-3/4" 50 250 12-3/4 7416 3/8" x 5" 1-5/8" 3-3/4" 50 250 12-3/4 7417 3/8" x 7" 1-5/8" 5-3/4" 50 200 21 7420 1/2" x 2-3/4" 2-1/4" 1-1/4" 50 200 21 7422 1/2" x 3-3/4" 2-1/4" 3-1/4" 50 200 23 7424 1/2" x 5-1/2" 2-1/4" 3" 50 200 28 7424 1/2" x 5-1/2" 2-1/4" 4" 50 150 32 7426 1/2" x 7" 2-1/4" 5-1/2" 25 100 44 7427 1/2" x 8-1/2" 2-1/4" 7" 25 100 46 7430 5/8" x 3-1/2" 2-3/4" 1-7/8" 25 100 46 7431 5/8" x 4-1/2" 2-3/4" 3-3/8" 25 100 57 7432 5/8" x 4-1/2" 2-3/4" 3-3/8" 25 100 57 7433 5/8" x 5" 2-3/4" 3-3/8" 25 100 57 7434 5/8" x 6" 2-3/4" 3-3/8" 25 75 64 7435 5/8" x 6" 2-3/4" 1-5/8" 25 75 72 7439 5/8" x 10" 2-3/4" 1-5/8" 25 75 100 7440 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 76 7441 3/4" x 4-3/4" 3-3/8" 2-1/4" 20 60 76 7442 3/4" x 5-1/2" 3-3/8" 1-5/8" 25 75 100 7440 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7444 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 76 7448 3/4" x 5-1/2" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 8" 3-7/8" 2" 10 40 160 7451 1' x 6" 3-7/8" 2" 10 40 160 7451 1' x 6" 3-7/8" 2" 10 40 160 7453 1' x 9" 4-1/2" 2-3/8" 10 30 200 7461 1' x 6" 4-1/2" 2-3/8" 10 30 200 7473 1-1/4" x 9" 4-1/2" 2-3/8" 5-1/2" 5-5/8" 3-1/4" 5-5/8" 5-1/2" 5-5/8" 3-1/4" 5-5/8" 3-1/4" 5-5/8" 3-1/4" 5-5/8" 3-1/4" 5-5/8" 3-1/4" 5-5/8" 3-1/4" 5-5/8" 3-1/4" 5				1 '		0 25	0	8-3/4
7414 38" x 3-1/2" 1-5/8" 2-1/4" 50 250 12-3/4 7415 3/8" x 3-3/4" 1-5/8" 2-1/2" 50 250 12-3/4 7416 3/8" x 5" 1-5/8" 3-3/4" 50 250 12-3/4 7417 3/8" x 7" 1-5/8" 5-3/4" 50 200 21 7420 1/2" x 2-3/4" 2-1/4" 50 200 21 7422 1/2" x 3-3/4" 2-1/4" 50 200 23 7423 1/2" x 4-1/2" 2-1/4" 3" 50 200 23 7424 1/2" x 5-1/2" 2-1/4" 4" 50 150 32 7426 1/2" x 7" 2-1/4" 5-1/2" 25 100 44 7426 1/2" x 7" 2-1/4" 5-1/2" 25 100 44 7427 1/2" x 8-1/2" 2-3/4" 7" 25 100 46 7430 5/8" x 3-1/2" 2-3/4" 1-7/8" 25 100 46 7431 5/8" x 5-1/2" 2-3/4" 3-3/8" 25 100 54 7432 5/8" x 4-1/2" 2-3/4" 3-3/8" 25 100 54 7433 5/8" x 5" 2-3/4" 3-3/8" 25 100 57 7434 5/8" x 6" 2-3/4" 1-5/8" 25 75 64 7438 5/8" x 8-1/2" 2-3/4" 1-5/8" 25 75 64 7439 5/8" x 10" 2-3/4" 1-5/8" 25 75 100 7440 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 76 7441 3/4" x 4-3/4" 3-3/8" 2-1/4" 20 60 76 7442 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 76 7443 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 95 7444 3/4" x 6-1/4" 3-3/8" 1-3/4" 10 30 135 7448 3/4" x 8-1/2" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 8" 3-7/8" 2" 10 40 160 7451 1' x 6" 3-7/8" 2" 10 40 160 7452 7/8" x 8" 3-7/8" 2" 10 40 160 7453 1' x 9" 4-1/2" 2-3/8" 10 30 200 7461 1' x 6" 4-1/2" 2-3/8" 5 15 300 7475 1-1/4" x 12" 5-5/8" 3-1/4" 5-5/8" 5 15 300		12 3/0 X 2-3/1	1 -					
7415					-			
7416	741							
7417 3/8* x 7" 1-5/8" 5-3/4" 50 200 21 7420 1/2* x 2-3/4" 2-1/4" 1-1/4" 50 200 21 7422 1/2* x 3-3/4" 2-1/4" 2-1/4" 50 200 23 7423 1/2* x 4-1/2" 2-1/4" 3* 50 200 28 7424 1/2* x 5-1/2" 2-1/4" 4" 50 150 32 7426 1/2* x 7" 2-1/4" 5-1/2" 25 100 46 7430 5/8* x 3-1/2" 2-3/4" 1-7/8" 25 100 46 7430 5/8* x 4-1/2" 2-3/4" 2-7/8" 25 100 46 7431 5/8* x 4-1/2" 2-3/4" 2-7/8" 25 100 54 7432 5/8* x 4-1/2" 2-3/4" 2-7/8" 25 100 57 7433 5/8* x 5" 2-3/4" 3-3/8" 25 100 57 7434 5/8* x 6" 2-3/4" 4-3/8" 25 75 64 7435 5/8* x 8-1/2* 2-3/4" 1-5/8" 25 75 75 7436 5/8* x 8-1/2* 2-3/4" 1-5/8" 25 75 75 7437 5/8* x 8-1/2* 2-3/4" 1-5/8" 25 75 75 7440 3/4* x 4-1/4" 3-3/8" 2-1/4" 20 60 76 7441 3/4* x 4-3/4" 3-3/8" 2-1/4" 20 60 76 7442 3/4* x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7443 3/4* x 8-1/2" 3-3/8" 1-3/4" 10 30 135 7444 3/4* x 6-1/4" 3-3/8" 1-3/4" 10 30 135 7450 7/8* x 8" 3-7/8" 2" 10 40 120 7461 1* x 6" 4-1/2" 2-3/8" 10 30 240 7473 1-1/4* x 9" 5-5/8" 3-1/4" 5-5/8" 5 15 300 7475 1-1/4* x 12" 5-5/8" 3-1/4" 5-5/8" 5 15 300 7475 1-1/4* x 12" 5-5/8" 3-1/4" 5-5/8" 5 15 300 7475 1-1/4* x 12" 5-5/8" 3-1/4" 5-5/8" 5 15 300 7475 1-1/4* x 12" 5-5/8" 3-1/4" 5-5/8" 5 15 300 7475 1-1/4* x 12" 5-5/8" 3-1/4" 5-5/8"		6 3/8" x 5"	,			. }	. 1	
7420 1/2" x 2-3/4" 2-1/4" 50 200 23 7422 1/2" x 3-3/4" 2-1/4" 50 200 28 7423 1/2" x 4-1/2" 2-1/4" 3" 50 200 28 7424 1/2" x 5-1/2" 2-1/4" 3" 50 200 28 7426 1/2" x 5-1/2" 2-1/4" 50 150 32 7426 1/2" x 7" 2-1/4" 5-1/2" 25 100 46 7427 1/2" x 8-1/2" 2-1/4" 7" 25 100 46 7430 5/8" x 3-1/2" 2-3/4" 2-7/8" 25 100 57 7433 5/8" x 4-1/2" 2-3/4" 2-7/8" 25 100 57 7434 5/8" x 6" 2-3/4" 3-3/8" 25 100 57 7435 5/8" x 10" 2-3/4" 5-3/8" 25 75 64 7436 5/8" x 8-1/2" 2-3/4" 1-5/8" 25 75 64 7437 5/8" x 8-1/2" 2-3/4" 1-5/8" 25 75 75 84 7438 5/8" x 8-1/2" 2-3/4" 1-5/8" 25 75 75 84 7439 5/8" x 10" 2-3/4" 1-5/8" 25 75 100 7440 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 76 7441 3/4" x 6-1/4" 3-3/8" 3-1/2" 20 60 76 7442 3/4" x 6-1/4" 3-3/8" 3-1/2" 20 60 85 7444 3/4" x 6-1/4" 3-3/8" 3-1/2" 20 60 95 7444 3/4" x 8-1/2" 3-3/8" 1-3/4" 10 30 135 7448 3/4" x 8-1/2" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 8" 3-7/8" 2" 10 40 120 7451 1/x 6" 4-1/2" 2-3/8" 10 30 200 7461 1'x 6" 4-1/2" 2-3/8" 10 30 240 7473 1-1/4" x 9" 4-1/2" 2-3/8" 5-15 300	741	7 3/8" x 7"		,	-	. ,	- + "	
7422	742	0 1/2" x 2-3/4					-	
7423		2 1/2" x 3-3/4	, .		1 -	. ,	. 1	
7424 1/2" x 5-1/2" 2-1/4" 4" 50 150 32 7426 1/2" x 7" 2-1/4" 5-1/2" 25 100 44 7427 1/2" x 8-1/2" 2-1/4" 7' 25 100 44 7430 5/8" x 8-1/2" 2-3/4" 1-7/8" 25 100 40 7432 5/8" x 4-1/2" 2-3/4" 2-7/8" 25 100 54 7433 5/8" x 5" 2-3/4" 2-3/8" 25 100 54 7434 5/8" x 6" 2-3/4" 4-3/8" 25 75 64 7438 5/8" x 7" 2-3/4" 1-5/8" 25 75 64 7438 5/8" x 10" 2-3/4" 1-5/8" 25 75 72 7439 5/8" x 10" 2-3/4" 1-5/8" 25 75 100 7441 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 76 7441 3/4" x 4-1/4" 3-3/8"		1 "- " ' ' '	2-1/4"		1	1	. ,	
742b 1/2" x 7" 2-1/4" 5-1/2" 25 100 44 7427 1/2" x 8-1/2" 2-1/4" 7" 25 100 46 7430 5/8" x 8-1/2" 2-3/4" 1-7/8" 25 100 40 7432 5/8" x 4-1/2" 2-3/4" 1-7/8" 25 100 54 7433 5/8" x 5" 2-3/4" 2-3/4" 2-5 100 54 7434 5/8" x 6" 2-3/4" 3-3/8" 25 100 57 7436 5/8" x 7" 2-3/4" 4-3/8" 25 75 64 7438 5/8" x 8-1/2" 2-3/4" 1-5/8" 25 75 72 7439 5/8" x 10" 2-3/4" 1-5/8" 25 75 72 7440 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 76 7441 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 76 7444 3/4" x 5-1/2" 3-3/8"	1		" 2-1/4*	4"				
7430 5/8" x 3-1/2" 2-3/4" 1-7/8" 25 100 46 7430 5/8" x 3-1/2" 2-3/4" 1-7/8" 25 100 40 7432 5/8" x 4-1/2" 2-3/4" 2-7/8" 25 100 54 7433 5/8" x 5" 2-3/4" 3-3/8" 25 100 57 7434 5/8" x 6" 2-3/4" 4-3/8" 25 75 64 7436 5/8" x 7" 2-3/4" 5-3/8" 25 75 72 7439 5/8" x 10" 2-3/4" 1-5/8" 25 75 84 7440 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 76 7441 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 76 7441 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7444 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7446 3/4" x 7" 3-3/8" 3-1/2" 20 60 85 7448 3/4" x 8-1/2" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 6" 3-7/8" 2" 10 40 120 7451 1'x 6" 4-1/2" 2-3/8" 10 30 200 7461 1'x 6" 4-1/2" 2-3/8" 10 30 240 7473 1-1/4" x 12" 5-5/8" 3-1/4" 5 15 360	1							
7430 5/8" x 3-1/2" 2-3/4" 1-7/8" 25 100 40 7432 5/8" x 4-1/2" 2-3/4" 2-7/8" 25 100 54 7433 5/8" x 5" 2-3/4" 3-3/8" 25 100 57 7434 5/8" x 5" 2-3/4" 4-3/8" 25 75 64 7436 5/8" x 7" 2-3/4" 5-3/8" 25 75 72 7438 5/8" x 8-1/2" 2-3/4" 1-5/8" 25 75 84 7439 5/8" x 10" 2-3/4" 1-5/8" 25 75 84 7440 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 70 7441 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 76 7442 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7444 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7448 3/4" x 8-1/2" 3-3/8" 1-3/4" 10 40 120 7446 3/4" x 10" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 6" 3-7/8" 2" 10 40 120 7451 3/4" x 12" 3-3/8" 2" 10 40 120 7463 1' x 9" 4-1/2" 2-3/8" 10 30 200 7461 1' x 6" 4-1/2" 2-3/8" 10 30 240 7473 1-1/4" x 12" 5-5/8" 3-1/4" 5 15 360				7.	25			
7432 5/8" x 4-1/2" 2-3/4" 2-7/8" 25 100 54 7433 5/8" x 5" 2-3/4" 3-3/8" 25 100 57 7434 5/8" x 5" 2-3/4" 4-3/8" 25 75 64 7436 5/8" x 7" 2-3/4" 5-3/8" 25 75 64 7438 5/8" x 8-1/2" 2-3/4" 1-5/8" 25 75 72 7439 5/8" x 10" 2-3/4" 1-5/8" 25 75 100 7440 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 70 7441 3/4" x 4-3/4" 3-3/8" 2-1/4" 20 60 76 7442 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7444 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7446 3/4" x 7" 3-3/8" 5" 20 60 105 7448 3/4" x 8-1/2" 3-3/8" 1-3/4" 10 40 120 7449 3/4" x 10" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 6" 3-7/8" 2" 10 40 160 7451 3/4" x 12" 3-3/8" 2" 10 40 120 7451 3/4" x 10" 3-7/8" 2" 10 40 120 7454 7/8" x 10" 3-7/8" 2" 10 40 120 7454 7/8" x 10" 3-7/8" 2" 10 40 120 7463 1" x 9" 4-1/2" 2-3/8" 10 30 200 7461 1" x 6" 4-1/2" 2-3/8" 10 30 240 7465 1" x 12" 4-1/2" 2-3/8" 5 15 300	1			1-7/8"	25	100		
7433 5/8 x 5° 2-3/4° 3-3/8° 25 100 57 7434 5/8" x 6° 2-3/4° 4-3/8" 25 75 64 7438 5/8" x 8-1/2" 2-3/4" 5-3/8" 25 75 75 7439 5/8" x 10° 2-3/4" 1-5/8" 25 75 75 7440 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 70 7441 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 76 7442 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7444 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7444 3/4" x 8-1/2" 3-3/8" 3-1/2" 20 60 95 7448 3/4" x 8-1/2" 3-3/8" 1-3/4" 10 40 120 7449 3/4" x 10" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 6" 3-7/8" 2" 10 40 120 7451 3/4" x 12" 3-3/8" 2" 10 40 120 7451 1' x 6" 4-1/2" 2-3/8" 10 30 200 7461 1' x 6" 4-1/2" 2-3/8" 10 30 240 7465 1' x 12" 4-1/2" 2-3/8" 5 15 300		X 112	1	2-7/8"		1		
7436 5/8" x 7" 2-3/4" 4-3/8" 25 75 64 7438 5/8" x 8-1/2" 2-3/4" 5-3/8" 25 75 72 7439 5/8" x 10" 2-3/4" 1-5/8" 25 75 78 7440 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 70 7441 3/4" x 4-3/4" 3-3/8" 2-1/4" 20 60 76 7442 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7444 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7444 3/4" x 6-1/4" 3-3/8" 4-1/4" 20 60 95 7448 3/4" x 10" 3-3/8" 1-3/4" 10 40 120 7449 3/4" x 10" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 6" 3-7/8" 2" 10 40 120 7454 7/8" x 10" 3-7/8"	1		1		25		1	
7438 5/8" x 8-1/2" 2-3/4" 1-5/8" 25 75 72 7439 5/8" x 10" 2-3/4" 1-5/8" 25 75 100 7440 3/4" x 4-1/4" 3-3/8" 2-1/4" 20 60 70 7441 3/4" x 4-3/4" 3-3/8" 2-3/4" 20 60 76 7442 3/4" x 5-1/2" 3-3/8" 3-1/2" 20 60 85 7444 3/4" x 5-1/2" 3-3/8" 4-1/4" 20 60 95 7444 3/4" x 6-1/4" 3-3/8" 4-1/4" 20 60 95 7444 3/4" x 8-1/2" 3-3/8" 1-3/4" 10 40 120 7448 3/4" x 10" 3-3/8" 1-3/4" 10 30 135 7449 3/4" x 12" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 6" 3-7/8" 2" 10 40 120 7452 7/8" x 8" 3-7/8"		J.O A O				75	64	. 1
7439 5.8° x 10° 2.34° 1.58° 25 75 84 7440 3/4° x 4-1/4° 3.38° 2.1/4° 20 60 70 7441 3/4° x 4-3/4° 3.38° 2.34° 20 60 76 7442 3/4° x 5-1/2° 3.38° 3.1/2° 20 60 85 7444 3/4° x 5-1/2° 3.38° 3.1/2° 20 60 85 7444 3/4° x 5-1/2° 3.38° 3.1/2° 20 60 95 7448 3/4° x 8-1/2° 3.38° 5° 20 60 105 7449 3/4° x 10° 3.38° 1.3/4° 10 30 135 7450 7/8° x 6° 3.7/8° 2° 10 40 120 7451 3/8° x 10° 3.7/8° 2° 10 40 120 7452 7/8° x 8° 3.7/8° 2° 10 40 160 7463 1° x 9° 4.1/2° 2.3/8° 10 30 240 7473 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7475 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7475 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7474 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7475 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7486 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7475 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7475 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7484 3/4° x 12° 5.5/8° 3.1/4° 5 15 360 7485 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7486 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7486 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7487 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7488 3/4° x 4.1/2° 5.5/8° 3.1/4° 5 15 360 7498 3/4° x 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7498 3/4° x 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7498 3/4° x 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7498 3/4° x 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7498 3/4° x 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7498 3/4° x 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7498 3/4° x 1.1/4° x 12° 5.5/8° 3.1/4° 5 15 360 7498 3/4° x 1.1/4° x 12° 5.5/8° 3.1/4° 5 10 30 3.1/4° 30 3.1/4° 30 3.1/4° 30 3.1/4° 30 3.1/4° 30 30 30 30		310 A		1		75	72	
7440 3/4* x 4-1/4* 3-3/8* 2-1/4* 20 60 76 7441 3/4* x 4-3/4* 3-3/8* 2-3/4* 20 60 76 7442 3/4* x 5-1/2* 3-3/8* 3-1/2* 20 60 85 7444 3/4* x 5-1/2* 3-3/8* 4-1/4* 20 60 95 7448 3/4* x 7* 3-3/8* 4-1/4* 20 60 95 7448 3/4* x 10* 3-3/8* 1-3/4* 10 40 120 7449 3/4* x 10* 3-3/8* 1-3/4* 10 30 135 7451 3/4* x 12* 3-3/8* 1-3/4* 10 30 155 7452 7/8* x 8* 3-7/8* 2* 10 40 120 7463 1* x 9* 4-1/2* 2-3/8* 10 30 200 7461 1* x 6* 4-1/2* 2-3/8* 10 30 240 7473 1-1/4* x 9* 5-5/8* 3-1/4* 5 15 360		1 20 40 1/2	,					
7441 3/4" x 4-3/4" 3-3/8" 2-3/4" 20 60 70 7442 3/4" x 5-1/2" 3-3/8" 2-3/4" 20 60 76 7444 3/4" x 6-1/4" 3-3/8" 4-1/4" 20 60 85 7444 3/4" x 6-1/4" 3-3/8" 4-1/4" 20 60 95 7448 3/4" x 7" 3-3/8" 5" 20 60 105 7448 3/4" x 10" 3-3/8" 1-3/4" 10 40 120 7449 3/4" x 10" 3-3/8" 1-3/4" 10 30 135 7450 7/8" x 6" 3-7/8" 2" 10 40 120 7451 3/4" x 10" 3-7/8" 2" 10 40 120 7452 7/8" x 8" 3-7/8" 2" 10 40 120 7454 7/8" x 10" 3-7/8" 2" 10 40 160 7463 1" x 9" 4-1/2" 2-3/8" 10 30 200 7461 1" x 6" 4-1/2" 2-3/8" 10 30 240 7463 1" x 9" 4-1/2" 2-3/8" 5 15 300							100	
7442							70	
7444					1			
7446	7444							- 1
7448 3/4" x 8-1/2" 3-3/8" 1-3/4" 10 40 120 7449 3/4" x 10" 3-3/8" 1-3/4" 10 30 135 7451 3/4" x 12" 3-3/8" 1-3/4" 10 30 155 7450 7/8" x 6" 3-7/8" 2" 10 40 120 7452 7/8" x 8" 3-7/8" 2" 10 40 160 7454 7/8" x 10" 3-7/8" 2" 10 30 200 7461 1" x 6" 4-1/2" 2-3/8" 10 30 170 7463 1" x 9" 4-1/2" 2-3/8" 10 30 240 7465 1" x 12" 4-1/2" 2-3/8" 5 15 300 7473 1-1/4" x 9" 5-5/8" 3-1/4" 5 15 360	7446							ı,
7449 3/4* x 10* 3-3/8* 1-3/4* 10 30 135 7451 3/4* x 12* 3-3/8* 1-3/4* 10 30 155 7450 7/8* x 6* 3-7/8* 2* 10 40 160 7451 7/8* x 10* 3-7/8* 2* 10 40 160 7451 1* x 6* 4-1/2* 2-3/8* 10 30 200 7461 1* x 6* 4-1/2* 2-3/8* 10 30 200 7463 1* x 9* 4-1/2* 2-3/8* 10 30 240 7463 1* x 9* 4-1/2* 2-3/8* 5 15 300 7473 1-1/4* x 12* 5-5/8* 3-1/4* 5 15 360		3/4" x 8-1/2"		f -				
7451 3/4* x 12* 3-3/8* 1-3/4* 10 30 155 7450 7/8* x 6* 3-7/8* 2* 10 40 120 7451 7/8* x 10* 3-7/8* 2* 10 40 160 7451 1* x 6* 4-1/2* 2-3/8* 10 30 200 7461 1* x 6* 4-1/2* 2-3/8* 10 30 240 7463 1* x 9* 4-1/2* 2-3/8* 10 30 240 7473 1-1/4* x 9* 5-5/8* 3-1/4* 5 15 360								
7450 7/8° x 6° 3-7/8° 2° 10 40 120 7452 7/8° x 8° 3-7/8° 2° 10 40 160 7454 7/8° x 10° 3-7/8° 2° 10 30 200 7461 1° x 6° 4-1/2° 2-3/8° 10 30 200 7463 1° x 9° 4-1/2° 2-3/8° 10 30 240 7465 1° x 12° 4-1/2° 2-3/8° 5 15 300 7473 1-1/4° x 12° 5-5/8° 3-1/4° 5 15 360		3/4" x 12"	3-3/8"		1			
7452			3-7/8"	2*				_
7461 1' x 6" 4-1/2" 2-3/8" 10 30 200 7461 1' x 6" 4-1/2" 2-3/8" 10 30 170 7463 1' x 9" 4-1/2" 2-3/8" 10 30 240 7465 1' x 12" 4-1/2" 2-3/8" 5 15 300 7473 1-1/4' x 9" 5-5/8" 3-1/4" 5 15 360			3-7/8"	2"	1			
7461 1' x 6" 4-1/2" 2-3/8" 10 30 170 7463 1' x 9" 4-1/2" 2-3/8" 10 30 240 7465 1' x 12" 4-1/2" 2-3/8" 5 15 300 7473 1-1/4' x 9" 5-5/8" 3-1/4" 5 15 360			3-7/8"	2"				
7465 1 x 12 4-1/2 2-3/8 10 30 240 7473 1-1/4 x 9 5-5/8 3-1/4 5 15 360			4-1/2"	2-3/8*			1——	
7465 1 × 12								ļ
7473 1-1/4° x 9" 5-5/8° 3-1/4° 5 15 360			4-1/2"	2-3/8*				- [
/4/3 -1/4° x 1.2°				3-1/4"				\dashv
3 17 13 1480 1	14/5	1-1/4" x 12"	5-5/8	3-1/4"	5	15	480	İ

The published length is the overall length of the anchor. Allow one anchor diameter for the nut and washer thickness when selecting a length.



83 x 85 Steel on 1845

these are approx. distancer for plot plan done by homeownere 11 Maplewood 5%. 878-3224 11.5' House 12 Q60'

Boyd and Anne Marley 11 Maplewood St. Portland, ME 04103

878-3224

March 17, 1999

To Whom It May Concern:

We are writing this letter to explain the change of use of our garage. We need more play space for our children. Our basement is quite wet preventing us from using it as living space. We have no extra room in the house now that we have another child. We would like very much to convert our garage into a playroom with a bathroom for our personal, private family use. We understood from a letter dated Nov. 10, 1998 from Tom Reinsborough that having heat and water for a play room was an acceptable change of use. Enclosed please find a plot plan showing setbacks of the garage from the street, lot lines and house.

If you have any further questions, please don't hesitate to call at the above number. Thank you for the time you have given this permit request.

Sincerely,

Linn I Mally Anne L. Marley

Distancem's takem on 10-13-98 By Tom Reinsborong (+ owner anne Marlay

and Dom Reinlovering (

not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508 mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1018.6)

- Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable 13. when it exits directly from the apartment to the building exterior with no communications to other apartment units. Section
- All vertical openings shall be enclosed with construction having a fire rating of at lest one (1)hour, including fire doors with 14. self closer's. (Over 3 stories in height requirements for fire rating is two (2) hours.) Section 710.0
- The boiler shall be protected by enclosing with (1) hour fire-rated construction including fire doors and ceiling, or by 15. providing automatic extinguishment. Table 302.1.1
- All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the 16. provisions of the City's Building Code Chapter 9. Section 19, 920.3.2 (BOCA National Building Code/1996), and NFPA 101 Chapter 18 & 19. (Smoke detectors shall be installed and maintained at the following locations):
 - In the immediate vicinity of bedrooms
 - In all bedrooms
 - In each story within a dwelling unit, including basements

In addition to the required AC primary power source, required smoke detectors in occupancies in Use Groups R-2, R-3 and I-1 shall receive power from a battery when the AC primary power source is interrupted. (Interconnection is required) Section 920.3.2

- A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an 17. approved type. Section 921.0
- 18. The Fire Alarm System shall be maintained to NFPA #72 Standard.
- 19. The Sprinkler System shall maintained to NFPA #13 Standard.
- All exit signs, lights, and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 20. 1023. & 1024. Of the City's building code. (The BOCA National Building Code/1996)
- Section 25-135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to 21. excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".
- The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a 22. certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification to the Division of Inspection Services.
- Ventilation shall meet the requirements of Chapter 12 Sections 1210. Of the City's Building Code. (crawl spaces & attics) 23.
- All electrical, plumbing and HVAC permits must be obtained by a Master Licensed holders of their trade.
- All requirements must be met before a final Certificate of Occupancy is issued,
- 24. 25. ¥26. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code: (The BOCA National Building Code/1996).

7.	Ventilation of spaces within a building shall be done in accordance with the City's Mechanical Code (The BOCA National
F	Mechanical Code/1993). (Chapter M-16)
Q V	Please read and implement the ament of the first

 <u> </u>
 ,
•

cc: Lt. McDougall, PFD

Marge Schmuckal, Zoning Administrator

es, Building Inspector

Mot and yet with the Foundation: Type Framing: DX Other:	2-3" dam. Savaso in place not shapped dor	Stups # TRIKER to ben. 5 hold anch. 5 hold anch.	12-1-98 Straps-2@ each corner 1 middle of cash longwall-	10-13-98
	down jet	builder-told him-		