

Location of Construction:		Owner:		Phone:		Permit No: 981140	
Owner Address:		Lessee/Buyer's Name:		Phone:		Business Name:	
Contractor Name:		Address:		Phone:		<div style="border: 2px solid black; padding: 5px; text-align: center;"> PERMIT ISSUED OCT 7 1998 CITY OF PORTLAND </div>	
Past Use:		Proposed Use:		COST OF WORK: \$ _____		PERMIT FEE: \$ _____	
				FIRE DEPT. <input type="checkbox"/> Approved <input type="checkbox"/> Denied		INSPECTION: Use Group: Type:	
				Signature: _____		Signature: _____	
Proposed Project Description:				PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.) Action: Approved <input type="checkbox"/> Approved with Conditions: <input type="checkbox"/> Denied <input type="checkbox"/> Signature: _____ Date: _____			
Permit Taken By:		Date Applied For:					

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

PERMIT ISSUED WITH REQUIREMENTS

CERTIFICATION

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

SIGNATURE OF APPLICANT	ADDRESS:	DATE:	PHONE:
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE			PHONE:

Zoning Approval:

Special Zone or Reviews:

Shoreland
 Wetland
 Flood Zone
 Subdivision
 Site Plan maj minor mm

Zoning Appeal

Variance
 Miscellaneous
 Conditional Use
 Interpretation
 Approved
 Denied

Historic Preservation

Not in District or Landmark
 Does Not Require Review
 Requires Review

Action:

Approved
 Approved with Conditions
 Denied

Date: _____

CEO DISTRICT

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.

NOTEIf 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: <u>11 Maplewood St.</u>

Tax Assessor's Chart, Block & Lot Number Chart# <u>344</u> Block# <u>C</u> Lot# <u>3</u>	Owner: <u>Boyd + Anne Marley</u>	Telephone#: <u>878-3224</u>
Owner's Address: <u>11 Maplewood St 04103</u>	Lessee/Buyer's Name (If Applicable)	Cost Of Work: <u>\$ 4600</u> Fee <u>\$ 40</u>
Proposed Project Description:(Please be as specific as possible) <u>Replace slab and foundation to existing garage</u>		
Contractor's Name, Address & Telephone <u>W H Lavigne, Inc.</u> <u>PO Box 428 Sebago Lake 04075 839-4036</u>		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:

- 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 overhangs as well as, sheds, pools, garages and any other accessory structures.
- Scale and required zoning district setbacks

4) Building Plans (Sample Attached)

A complete set of construction drawings showing all of the following elements of construction:

- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
- Floor Plans & Elevations
- 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.

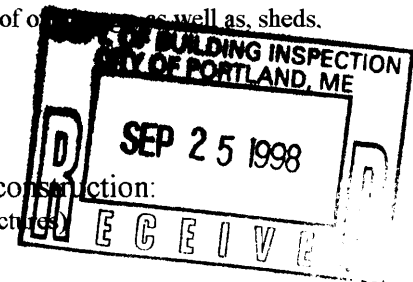
Certification

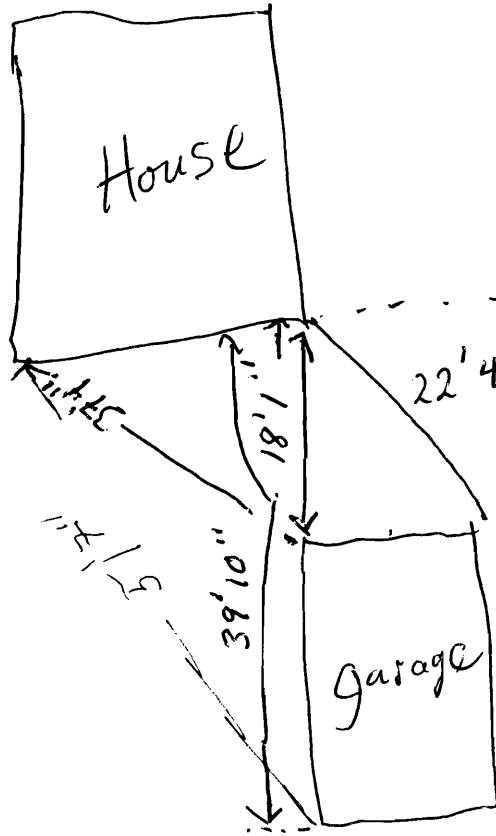
I hereby certify that I am the Owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, 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: <u>Anne L Marley</u>	Date: <u>9/23/98</u>
--	----------------------

Building Permit Fee: \$25.00 for the 1st \$1000.00 cost plus \$5.00 per \$1,000.00 construction cost thereafter.

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





← 39' 10" →

Back of House to Rear of Garage

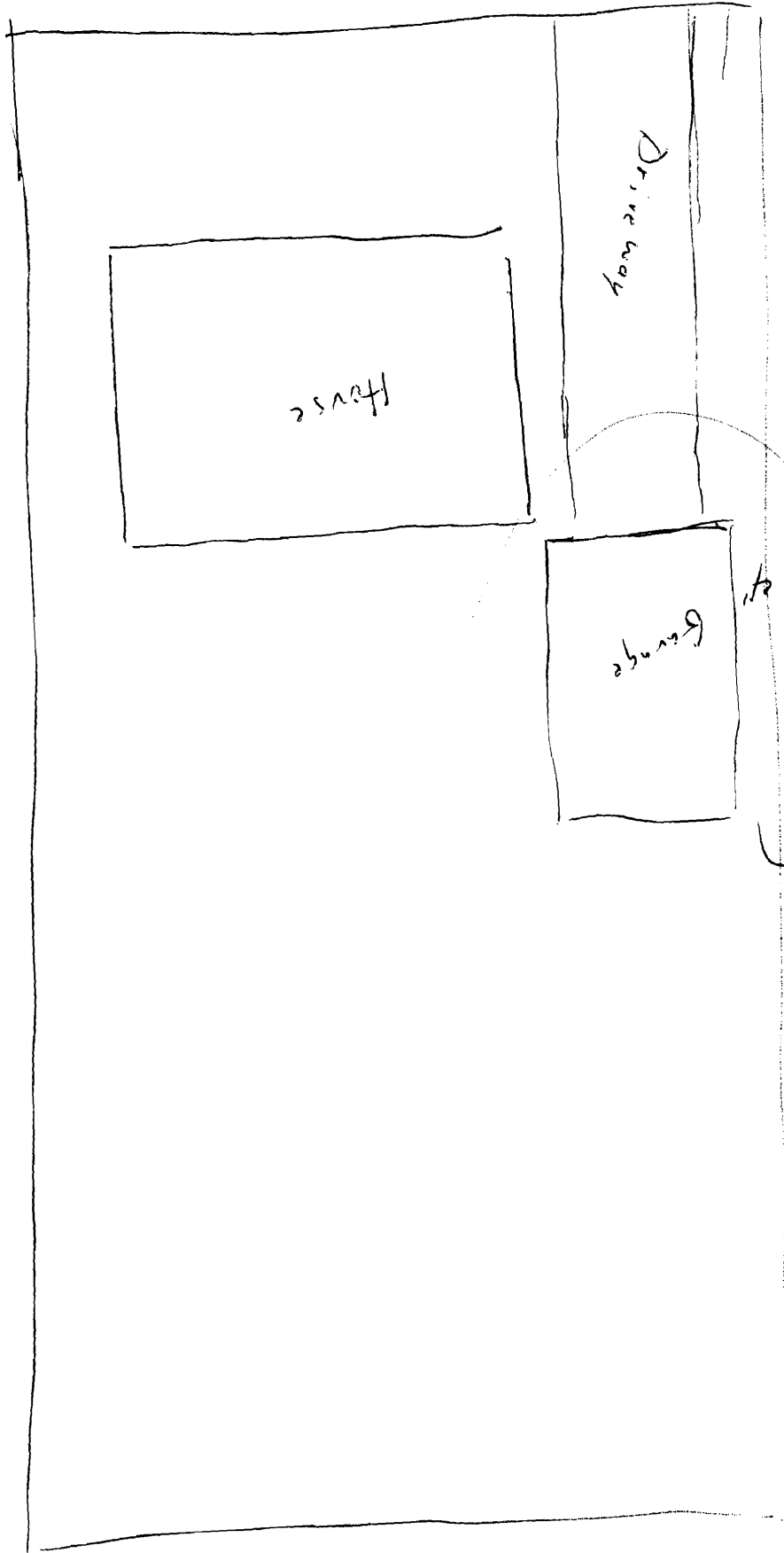
Rear Left corner of house to Front of Garage

18' 11" R.S. and 22' 4" L.S.

Rear Right corner of house to Front R and Rear Right of Garage 51' 7" 37' 4"

Distances taken on 10-13-98
 By Tom Reinborough + owner Anne Marley

Anne Marley
 and Tom Reinborough



Side
Spec 11/11
to garage

Inspection Services
Michael J. Nugent
Manager



Department of Urban Development
Joseph E. Gray, Jr.
Director

CITY OF PORTLAND

November 10, 1998

Boyd & Anne Marley
11 Maplewood Street
Portland, ME 04103

RE: 11 Maplewood St
CBL: 344-C-003

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.

Sincerely,

Tom Reinsborough

cc: Central File

W.H. Lavigne

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

9/23/98

Marly Residence

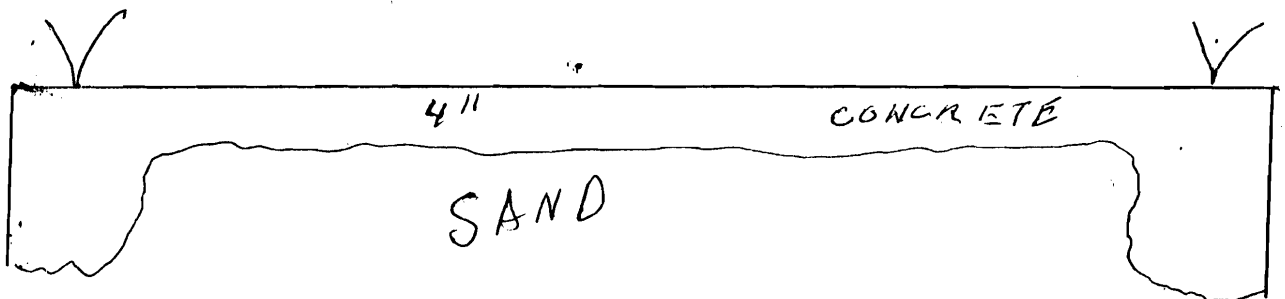
WORK to be done:

LIFT Building

Break-up old slab.

Replace with new slab
with thickened edges.

Building will be held
down anchor straps.



BUILDING PERMIT REPORT

DATE: 2 OCT 98 ADDRESS: 11 Maplewood ST. 344-C-883

REASON FOR PERMIT: replace slab/Foundation

BUILDING OWNER: A. Marley

CONTRACTOR: W.H. Louigne INC.

PERMIT APPLICANT: _____

USE GROUP U BOCA 1996 CONSTRUCTION TYPE 5B

CONDITION(S) OF APPROVAL

This Permit is being issued with the understanding that the following conditions are met:

Approved with the following conditions: *1, *2, *2.6, *24, *26, *28

- 1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
- 2. 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)
- 2.5 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
- 2.6 Foundations anchors shall be a minimum of ~~1/2"~~ 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of ~~form corners of~~ foundation and a maximum 6'o.c. between bolts. (Section 2305.17)
- 3. Precaution must be taken to protect concrete from freezing. Section 1908.0
- 4. 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.
- 5. 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)
- 6. 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
- 7. Sound transmission control in residential building shall be done in accordance with Chapter 12 section 1214.0 of the city's building code.
- 8. 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-4, 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)
- 9. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
- 10. 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)
- 11. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6' 8") 1014.4
- 12. Every sleeping room below the fourth story in buildings of use Groups R and I-1 shall have at least one operable window or 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

Bonnie Jackson
88 Pillsbury St
S.P

799-6386

A.H. Harris & Sons, Inc.



CONSTRUCTION SPECIALTIES

Since 1916

KYLE PARENT

Inside Sales

Bus.: (207) 775-5764

Fax: (207) 775-5571

www.supernetwork.net/ah-harris

659 Warren Ave. • Portland, ME 04103

KeligROUT

INSTRUCTIONS AND 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!

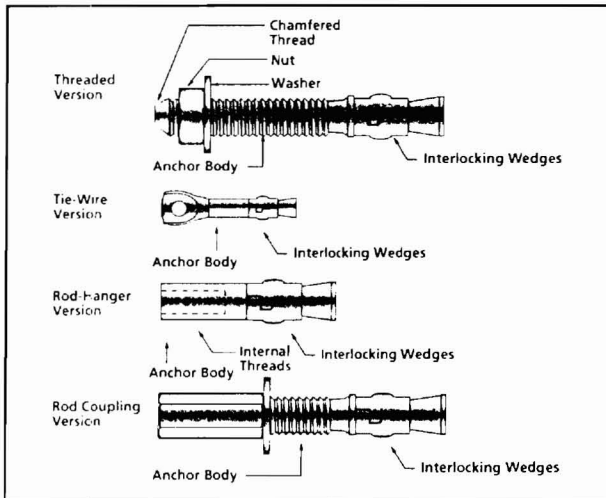
24.0 Power-Stud™

24.1 Introduction

The Power-Stud Anchor (formerly called the Rawl-Stud) is a one piece, wedge style anchor available in carbon steel and stainless steel. Threaded, Rod Hanger, Rod Coupling and Tie-Wire versions are designed for use in concrete.

24.2 Product Description

The Power-Stud anchor diameter is the same as that for the hole size which eliminates the need for hole



spotting or layout. On the standard version, it is designed with a chamfer on the threaded end and a tapered expansion section on the working end of the anchor on which a set of interlocking wedges are mounted. During installation, the chamfer prevents damage to the threads of the anchor. The wedges are held on to the tapered expansion section of the anchor by interlocking tabs which grip the anchor body firmly to prevent spinning of the anchor during tightening. As the anchor is tightened, the body is pulled upwards causing the tapered expansion section to compress the wedges circumferentially against the wall of the anchor hole.

Length Identification

The threaded Power-Stud has a length identification mark stamped on the head of the anchor as shown below.

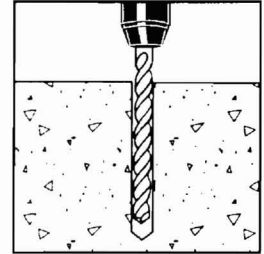
Mark	A	B	C	D	E	F	G	H
From	1-1/2	2	2-1/2	3	3-1/2	4	4-1/2	5
Up to But Not Including	2	2-1/2	3	3-1/2	4	4-1/2	5	5-1/2

Mark	I	J	K	L	M	N	O	P
From	5-1/2	6	6-1/2	7	7-1/2	8	8-1/2	9
Up to But Not Including	6	6-1/2	7	7-1/2	8	8-1/2	9	9-1/2

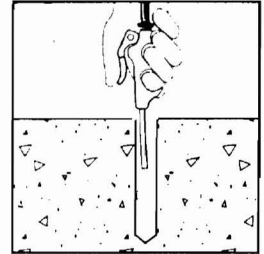
Mark	Q	R	S	T	U	V	W	X	Y	Z
From	9-1/2	10	11	12	13	14	15	16	17	18
Up to But Not Including	10	11	12	13	14	15	16	17	18	19

24.3 Installation Procedures

Using the proper diameter bit, drill a hole into the base material to a depth of at least 1/2" or one anchor diameter deeper than the embedment required. The tolerances of the drill bit used should meet the requirements of ANSI Standard B212.15.

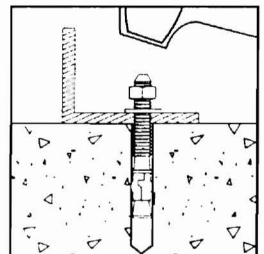


Blow the hole clean of dust and other material. Position the washer on the anchor and thread on the nut.

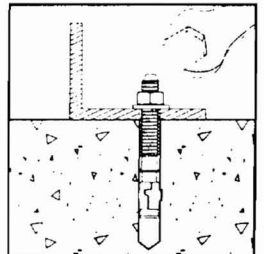


Threaded Version

Drive the anchor through the fixture into the anchor hole until the nut and washer are firmly seated against the fixture. Be sure the anchor is driven to the required embedment depth.

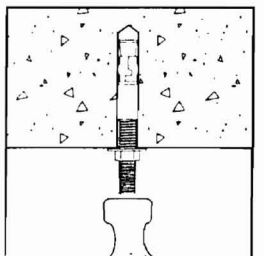


Tighten the anchor by turning the nut 3 to 4 turns or by applying the guide installation torque from the finger tight position.

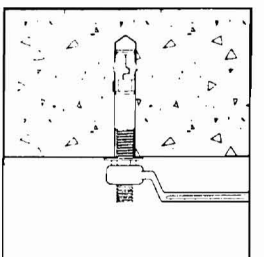


Rod Hanger Version

Thread the anchor onto the rod to be used along with a nut and washer. Drive the anchor into the hole until the anchor is at the required embedment depth. The anchor body should be recessed in the hole.

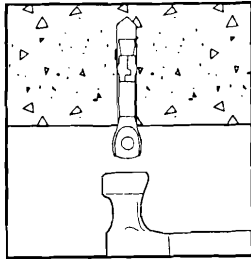


Tighten the anchor by turning the nut 3 to 4 turns or by applying the guide installation torque from the finger tight position.

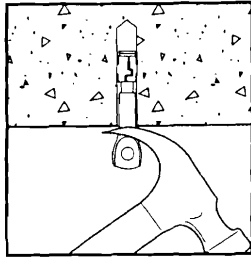


Tie-Wire Version

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.

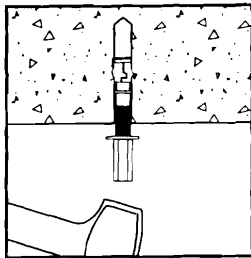


Set the anchor with a prying action using a claw hammer.

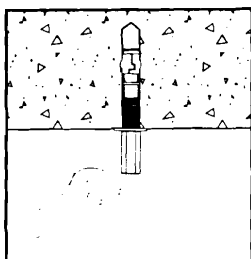


Rod Coupling Version

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, 5C1, Type III.

Cat. No.	Size	Min. Embed.	Thread Length	Std. Box	Std. Ctn.	Wt./100
7400	1/4" x 1-3/4"	1-1/8"	3/4"	100	500	3
7402	1/4" x 2-1/4"	1-1/8"	1-1/4"	100	500	3-1/2
7404	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
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	12-3/4
7416	3/8" x 5"	1-5/8"	3-3/4"	50	250	15-1/2
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	18
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	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	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
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	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 6-1/4"	3-3/8"	4-1/4"	20	60	95
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
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
7475	1-1/4" x 12"	5-5/8"	3-1/4"	5	15	480

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