

# HOME PRIDE

## TECHNICAL REFERENCE GUIDE

[www.HPANCHORS.com](http://www.HPANCHORS.com)

15100 INDUSTRIAL PARK ROAD • BRISTOL, VA 24202

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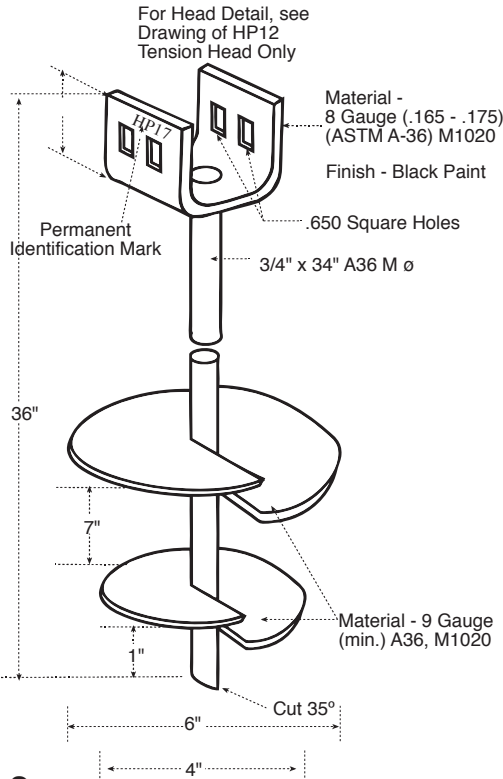
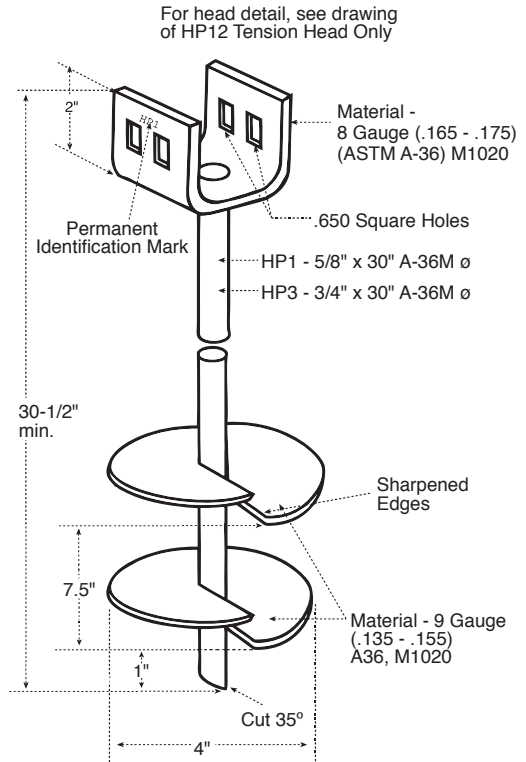
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# HP1 & HP3 (G)

## 30" DOUBLE DISC ANCHORS

- ◆ See page 18-22 for installation instructions.
- ◆ CAUTION: When not installed in line with the frame tie, a stabilizing device **MUST** be used.
- ◆ Engineer certifications on file.

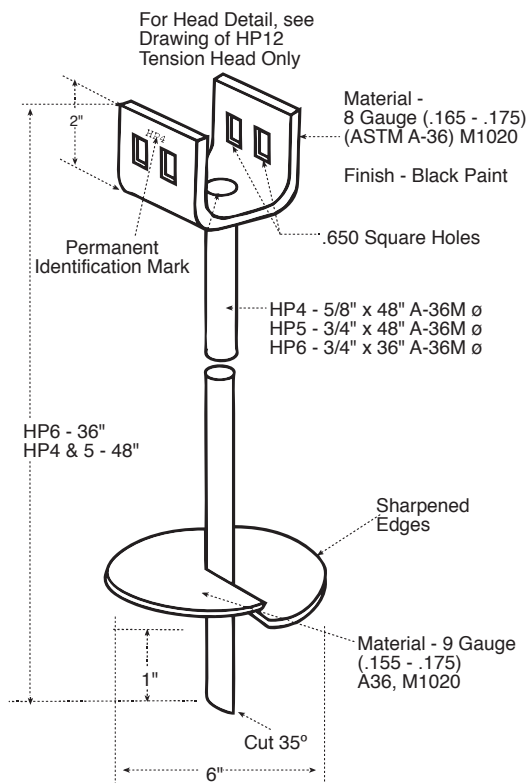


## HP17 (G)

### 3/4" DOUBLE DISC ANCHOR

- ◆ See page 18-22 for installation instructions.
- ◆ CAUTION: When not installed in line with the frame tie, a stabilizer plate **MUST** be used.
- ◆ Engineer certifications on file.





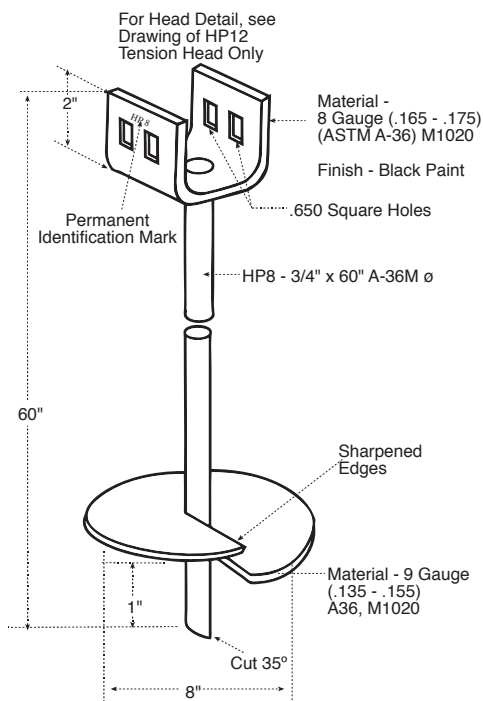
## HP8 (G) SINGLE DISC ANCHOR

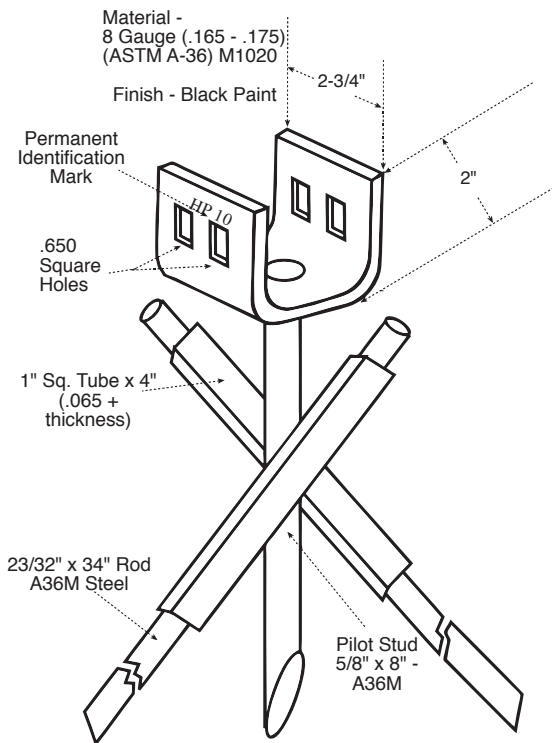
- ◆ See page 18-22 for installation instructions.
- ◆ CAUTION: When not installed in line with the frame tie, a stabilizing device MUST be used.
- ◆ Engineer certifications on file.



## HP4 (G), HP5 (G) HP6 (G) SINGLE DISC ANCHORS

- ◆ See page 18-22 for installation instructions.
- ◆ CAUTION: When not installed in line with the frame tie, a stabilizing device MUST be used.
- ◆ Engineer certifications on file.



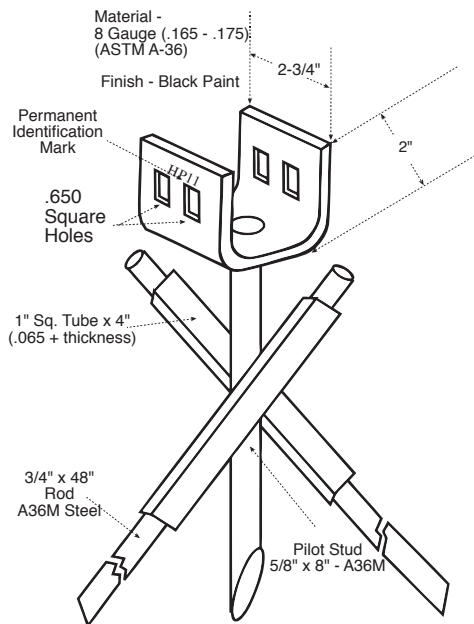


## HP10 3' CROSS DRIVE ANCHOR

### INSTALLATION INSTRUCTIONS:

1. Drive 5/8" dia. hole 5" deep for guide stud. Insert guide stud into hole.
2. Drill two 23/32" dia. holes in rock at 45° angles, using tube as locating guides.
3. Place rod through tubing and into hole. Drive rod to desired depth (rod must be driven in at least 75% of rod's length in order to reach minimum allowable pull-out resistance).
4. Duplicate with second rod. Maximum pull-out resistance is developed when tubing is resting on rock.

◆ Engineer certifications on file.



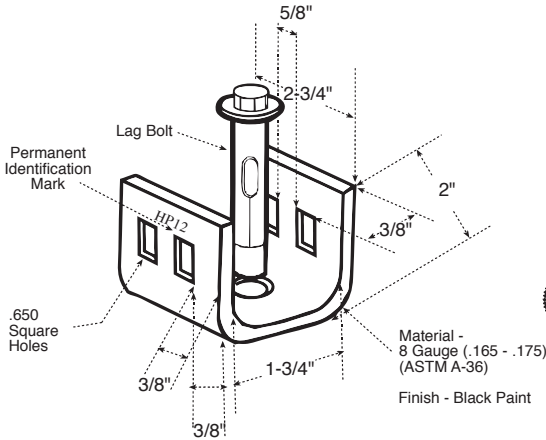
## HP11 4' CROSS DRIVE ANCHOR

### INSTALLATION INSTRUCTIONS:

1. Drive 5/8" dia. hole 5" deep for guide stud. Insert guide stud into hole.
2. Drill two 23/32" dia. holes in rock at 45° angles, using tube as locating guides.
3. Place rod through tubing and into hole. Drive rod to desired depth (rod must be driven in at least 75% of rod's length in order to reach minimum allowable pull-out resistance).
4. Duplicate with second rod. Maximum pull-out resistance is developed when tubing is resting on rock.

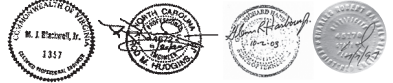
◆ Engineer certifications on file.





## HP12LS (G) TENSION HEAD WITH LAG BOLT AND SHIELD

- ◆ For dry concrete applications.
- ◆ Engineer certifications on file.



## INSTALLATION INSTRUCTIONS

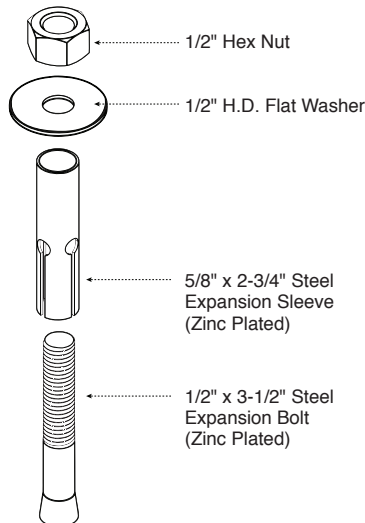
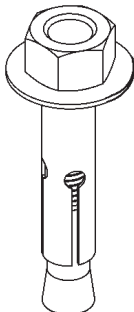
1. Drill 5/8" x 3" hole in concrete slab.
2. Place sleeve over the expansion bolt and place into the drilled hole.
3. Place the washer and nut on top of the expansion bolt and tighten to maximum expansion of the sleeve. Remove nut and washer.
4. Place HP12 head over top of expansion bolt, then place washer and nut on top of HP12 and expansion bolt. Tighten nut.

Note: Concrete slab must be a minimum of 4" thick, 2500 PSI, allowing 4750 lbs. vertical tension on anchor without lifting the slab.

## HP16BLT EXPANSION BOLT

- ◆ Designed to be used with the tension in an expansion sleeve in an existing concrete slab.

Assembled view

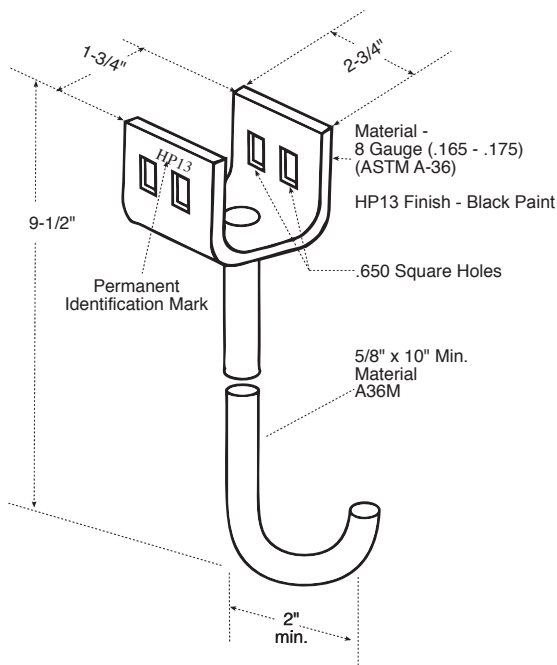


## HP13 (G) PATIO "J" ANCHOR

### INSTALLATION INSTRUCTIONS:

1. Designed to be inserted into concrete as it is poured.
2. Use concrete that is 2500 PSI minimum strength and re-bar or wire mesh. The amount of concrete for each anchor should allow 4725 lbs. of vertical tension on the anchor without lifting concrete.
3. Anchor should be installed at least 12" from edge of slab.
4. Concrete must be at least 10" thick where the anchor is placed.

◆ Engineer certifications on file.

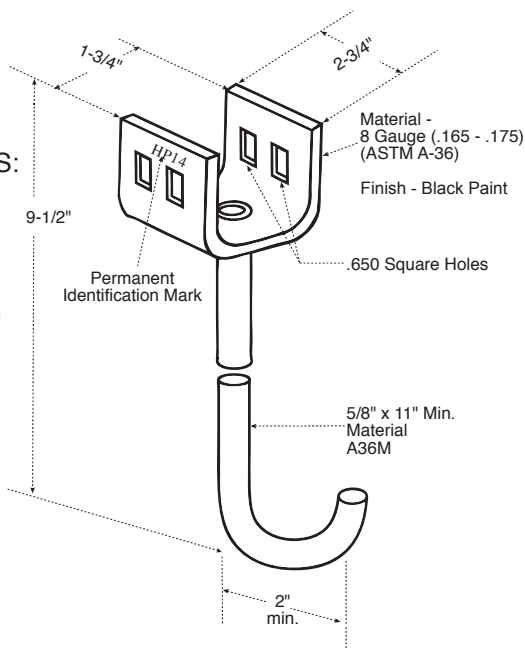


## HP14 (G) SWIVEL HEAD "J" ANCHOR

### INSTALLATION INSTRUCTIONS:

1. Designed to be inserted into concrete as it is poured.
2. Use concrete that is 2500 PSI minimum strength and re-bar or wire mesh. The amount of concrete for each anchor should allow 4725 lbs. of vertical tension on the anchor without lifting concrete.
3. Anchor should be installed at least 12" from edge of slab.
4. Concrete must be at least 10" thick where the anchor is placed.

◆ Engineer certifications on file.

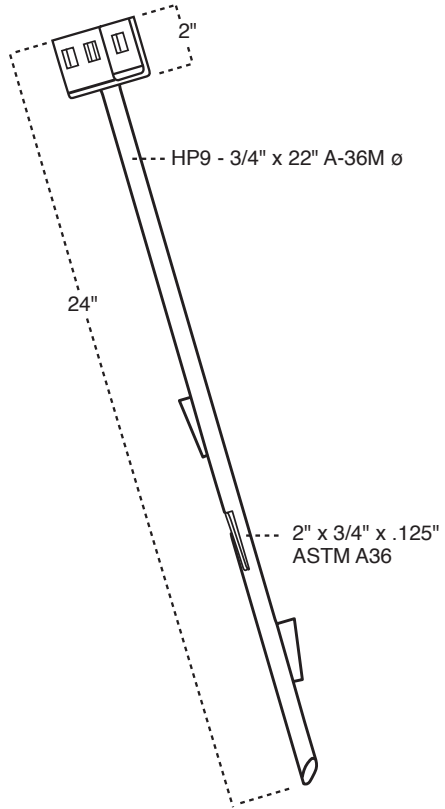


# HP9 BARBED ANCHOR

## INSTALLATION INSTRUCTIONS:

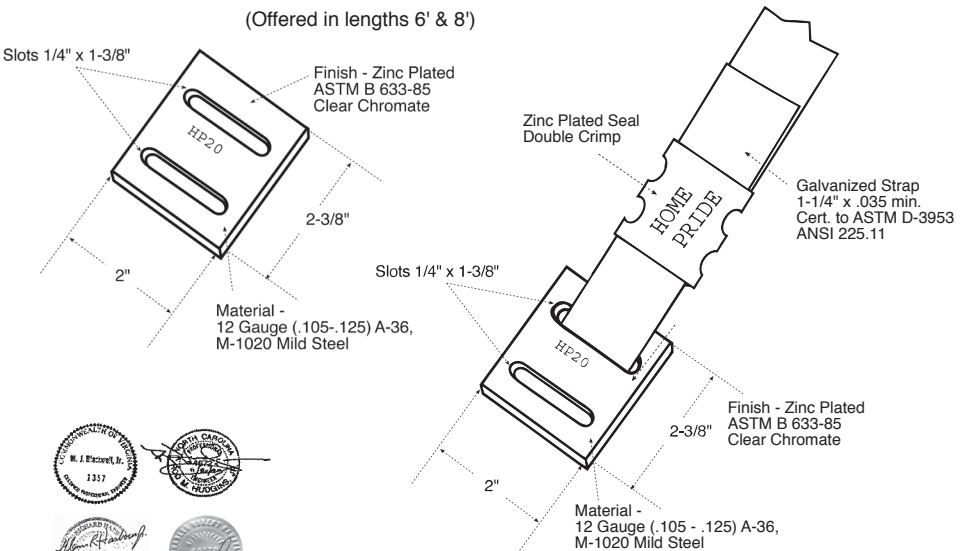
1. Remove soil and vegetation down to solid rock. If concrete is being used, removing the soil and vegetation is not necessary.
2. Drill a hole 3/4" in diameter and 13" deep into rock or concrete.
3. Drive the anchor into the bottom of the hole.
4. Bend the anchor until it is in line with the angle of the frame tie coming from the I-beam. This angle should not exceed 5° from a 45° angle.
5. Pretension the anchor to the frame tie.
6. Place soil back around the anchor if installed in solid rock.

◆ Engineer certifications on file.



# HP20 DOUBLE SLOT BUCKLE W/STRAP

(Offered in lengths 6' & 8')



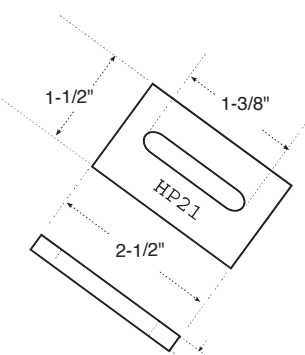
◆ See page 18 for installation instructions.



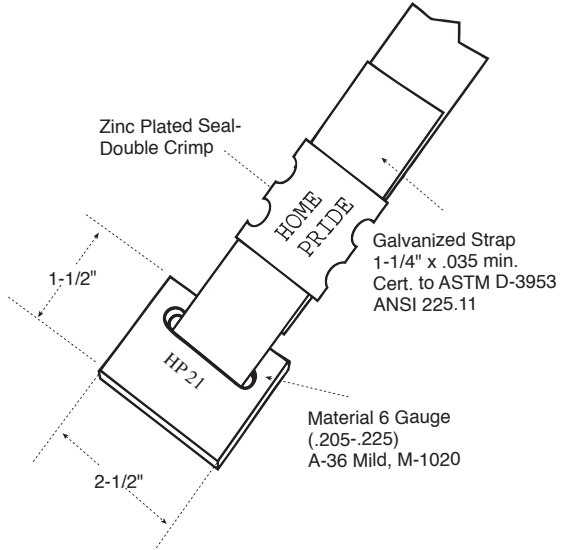
# HP21

(Offered in lengths 6'-8', 10', 12' & 15')

## SINGLE BUCKLE W/STRAP



Material 6 Gauge  
(.205-.225)  
A-36, M1020 Mild Steel

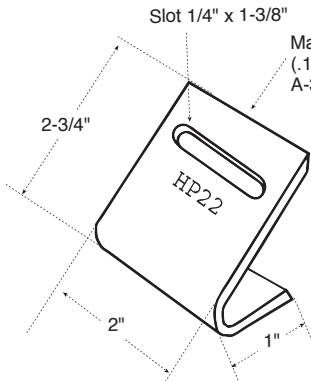


Material 6 Gauge  
(.205-.225)  
A-36 Mild, M-1020

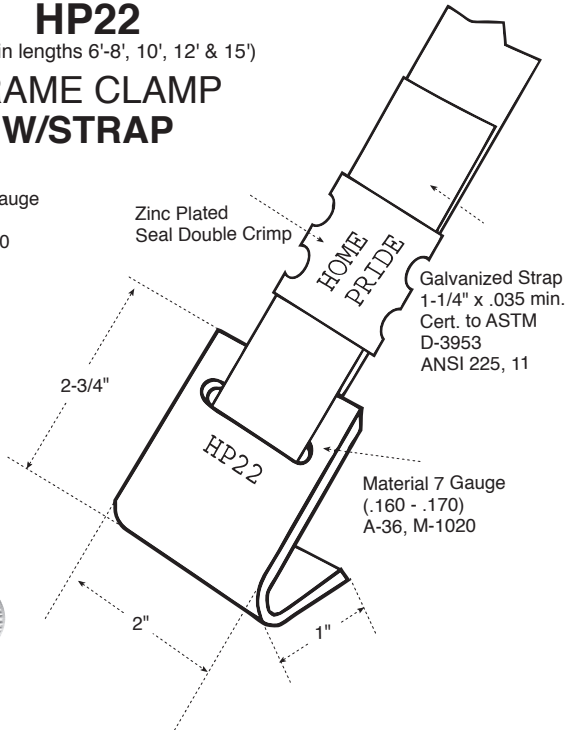
# HP22

(Offered in lengths 6'-8', 10', 12' & 15')

## FRAME CLAMP W/STRAP

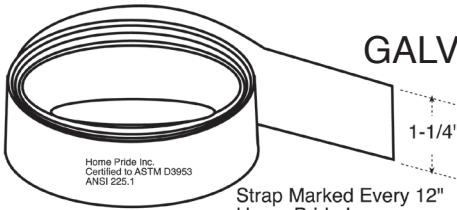


Material 7 Gauge  
(.160 - .170)  
A-36, M-1020



Material 7 Gauge  
(.160 - .170)  
A-36, M-1020

## HP40 & HP41 GALVANIZED STRAPPING (G60)



Strap Marked Every 12"  
Home Pride Inc.  
Certified to ASTM D3953  
ANSI 225.1  
.035" Min. Thickness x 1-1/4"  
4725# Min. Pull Test

**HP40: 37'**

**HP41: 100 lb./645' roll**



## HP80 & HP81 GALVANIZED STRAPPING (G120)

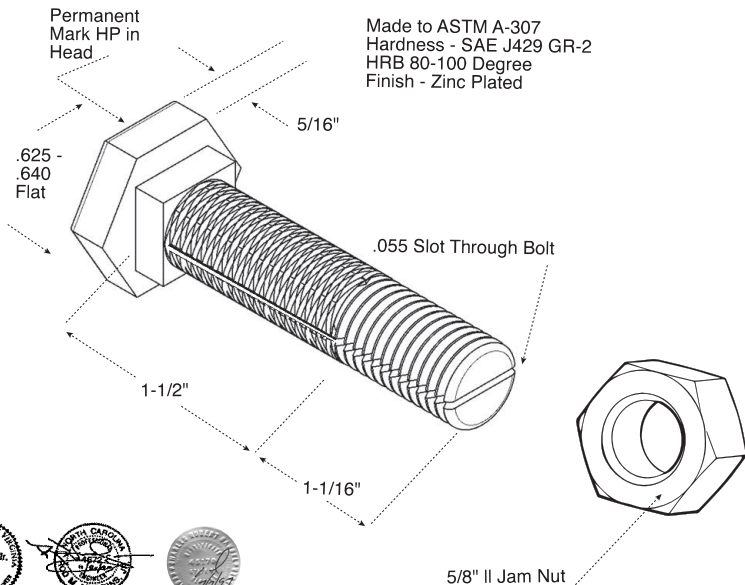


**HP80: 100 lb./645' roll**

**HP81: 37'**

◆ Approved for use in Florida

## HPAB ANCHOR BOLT & NUT

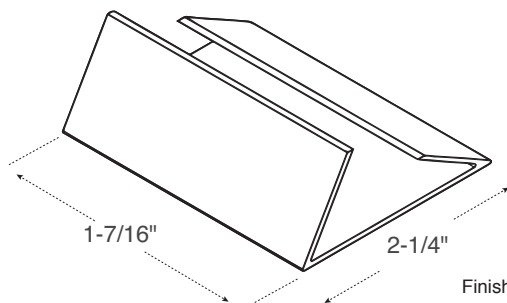


## HPSS STRAP SEAL

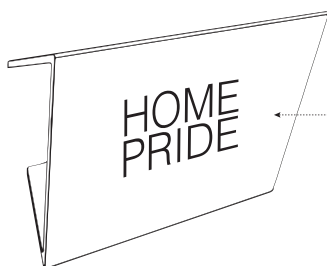
### INSTALLATION INSTRUCTIONS:

When using seals to extend the strap:

1. Overlap a minimum of 8".
2. Use two seals placed together.
3. Crimp each seal twice.

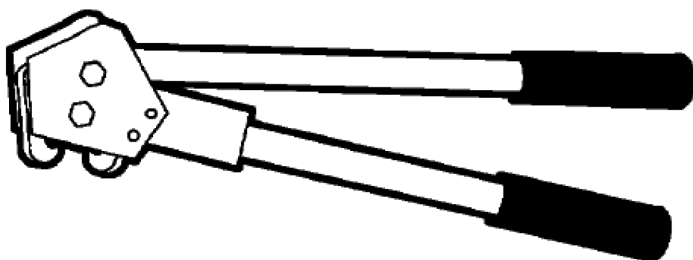


Finish - Zinc Plated



Permanent Identification Mark  
stamped on top of seal

## HPCT CRIMPING TOOL

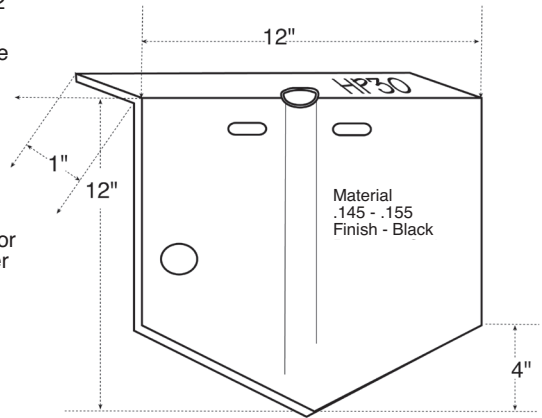


- ◆ Designed to be used with strapping of .035 minimum thickness and 1-1/4" width and steel strap seals.

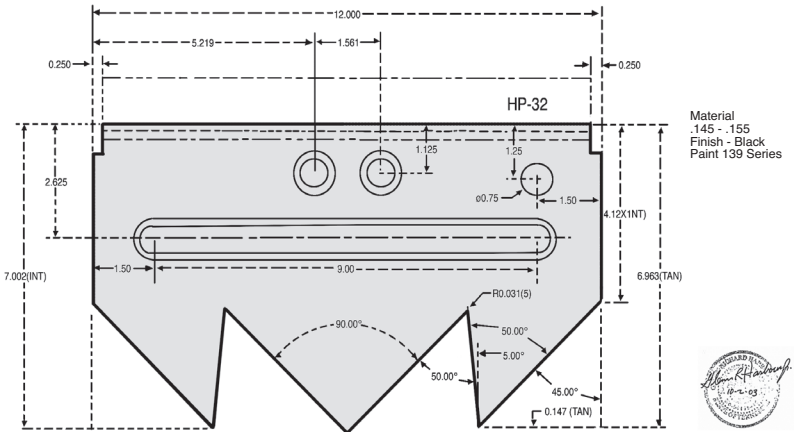
## HP30 (G) STABILIZER

### INSTALLATION INSTRUCTIONS:

1. Install anchor in the ground, leaving 12" to 18" of the shaft exposed.
2. Position the stabilizing device next to the anchor shaft on the side of the pull.
3. Drive the stabilizer plate into the ground with steel mallet or similar device.
4. Turn the anchor the rest of the way into the ground until the head of the anchor is flush with the stabilizer.
5. As the frame tie is tightened, the anchor will be drawn tight against the stabilizer for safe, secure protection against lateral deflection.



## HP32 (G) M-PLATE STABILIZING DEVICE



### INSTALLATION INSTRUCTIONS:

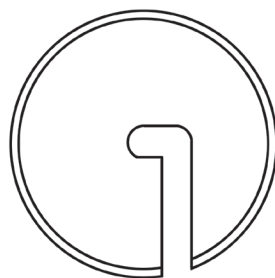
1. Install anchor in the ground, leaving 12" to 18" of the shaft exposed.
2. Position the M-PLATE stabilizing device next to the anchor shaft on the side of the pull.
3. Drive the M-PLATE into the ground with steel mallet or similar device.
4. Turn the anchor the rest of the way into the ground until the head of the anchor is flush with the M-PLATE.
5. As the frame tie is tightened, the anchor will be drawn tight against the M-PLATE for safe, secure protection against lateral deflection.

# HP34

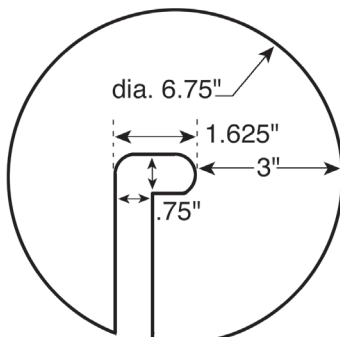
## ZIP CAP STABILIZING DEVICE

### INSTALLATION INSTRUCTIONS:

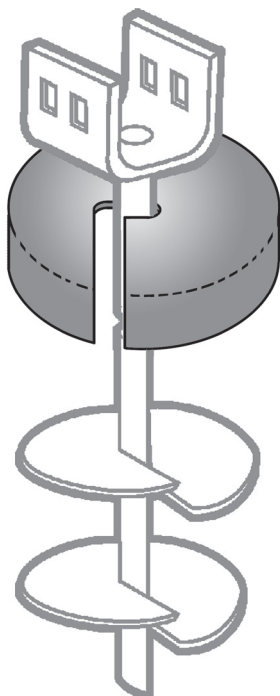
1. Install the HP3 for soil classes 2 & 3 or HP17 for soil class 4 at a 10° angle or less. Stop when the head is approximately 6" from the surface of the ground. Clear any vegetation away from the area where the ZIP CAP and head will enter the ground.
2. Place ZIP CAP on the ground and slide it under the head of the anchor through the opening provided. The rod of the anchor should be in the center of the CAP, flush against the end of the L shape opening.
3. Continue installing the anchor until the ZIP CAP is slightly below surface or the anchor head is flush to ground level. Stop the head of the anchor when the anchor head is pointed in the direction of the strap connected to the I-Beam of home.



Interior View



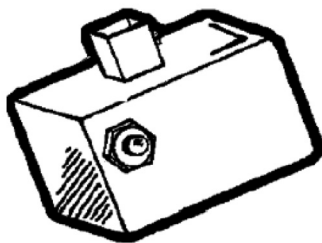
Top View



Side View

- ◆ HP3 used with ZIP CAP: torque value must be 350 inch pounds (class 3) or greater at the cap depth and the depth of the lower disc of the anchor.
- ◆ HP17 used with ZIP CAP: torque value must be 175 inch pounds (class 4) or greater at the cap depth and the depth of the lower disc of the anchor.
- ◆ The working load shall not exceed 3150 pounds using a single strap at 45° from vertical. When using two straps, the combined working load for both straps can not exceed 3150 pounds and the combined angle must be 45° from vertical.
- ◆ When installing anchors with the ZIP CAP, a ZIP CAP adapter must be used with the anchor machine.
- ◆ The ZIP CAP is not approved for use within 1500' of the coast.

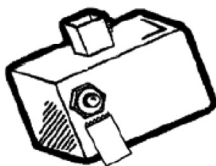
## HP45/HP50 ANCHOR MACHINE ADAPTERS



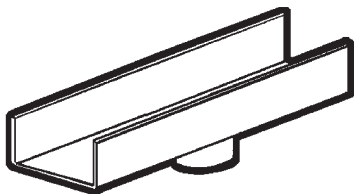
**HP45:** Adapter which conforms to the head of all Home Pride anchors; adapts to 3/4" drive (HP anchor machine HP55).

**HP50:** Adapts to 1" drive.

## HP46 ZIP CAP ANCHOR MACHINE ADAPTERS



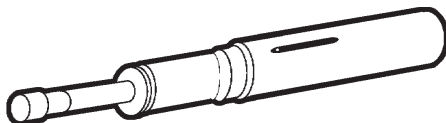
## HP60 JACKING PLATE



- ◆ Helps avoid damage to beam of home when raising level with jack by distributing load evenly.
- ◆ Prevents home from slipping off the jack and causing injury.
- ◆ Required by many manufacturers in order to preserve warranty.
- ◆ 12" x 5" with inside diameter of 2".

## HP65 PENETROMETER

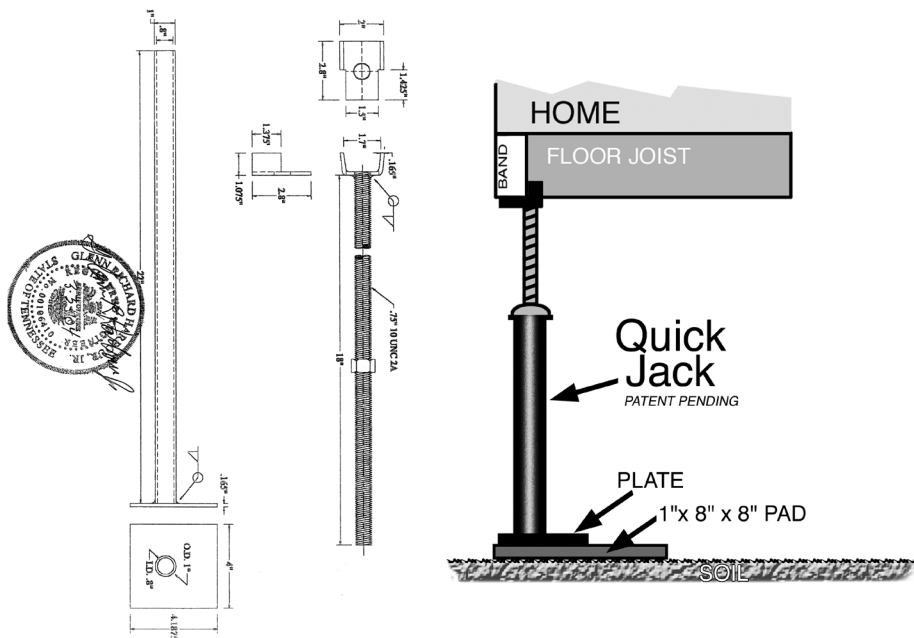
- ◆ Direct reading scale in tons/ft.
- ◆ Stainless steel loading piston.
- ◆ Calibrated spring.
- ◆ Plated for long-lasting rust resistance.
- ◆ Convenient belt-loop carrying case.
- ◆ Foot for penetrometer also available.



# HP62

## QUICK JACK

### ADJUSTABLE PERIMETER SUPPORT



#### INSTALLATION INSTRUCTIONS:

1. Place the Quick Jack directly underneath the floor joist of the home where perimeter support or blocking is called for. The area where the base meets the ground must be clear of all vegetation and must be level. It is recommended to use at least a 1"x8"x8" concrete block as the base for the Quick Jack.
2. When the Quick Jack is in place, extend the threaded portion fully to meet the floor joist as close to the end near the band joist (edge of home) as possible. The head of the Quick Jack should be placed where the flat area is under the band joist and the larger section of the head with tabs is under the floor joist. See illustration above.

If the home has brick, block or other fixed perimeter wall, the Quick Jack should support the floor joist as close to the perimeter as possible. It is not necessary to have the Quick Jack under the outside band joist.

3. Adjust the nut on the threaded portion until pressure is applied to the floor joist, holding the Quick Jack in place. Check the level of the door or window and make needed adjustments using the nut on the Quick Jack to apply more or less pressure as needed.

**NOTE:** The Quick Jack should not be used to take the place of any primary home support or other pier support requiring more than a working load of 4,000 lbs.

# HP LDS Lock Down System

## for Lateral and Longitudinal Stabilization

(FLORIDA ONLY)

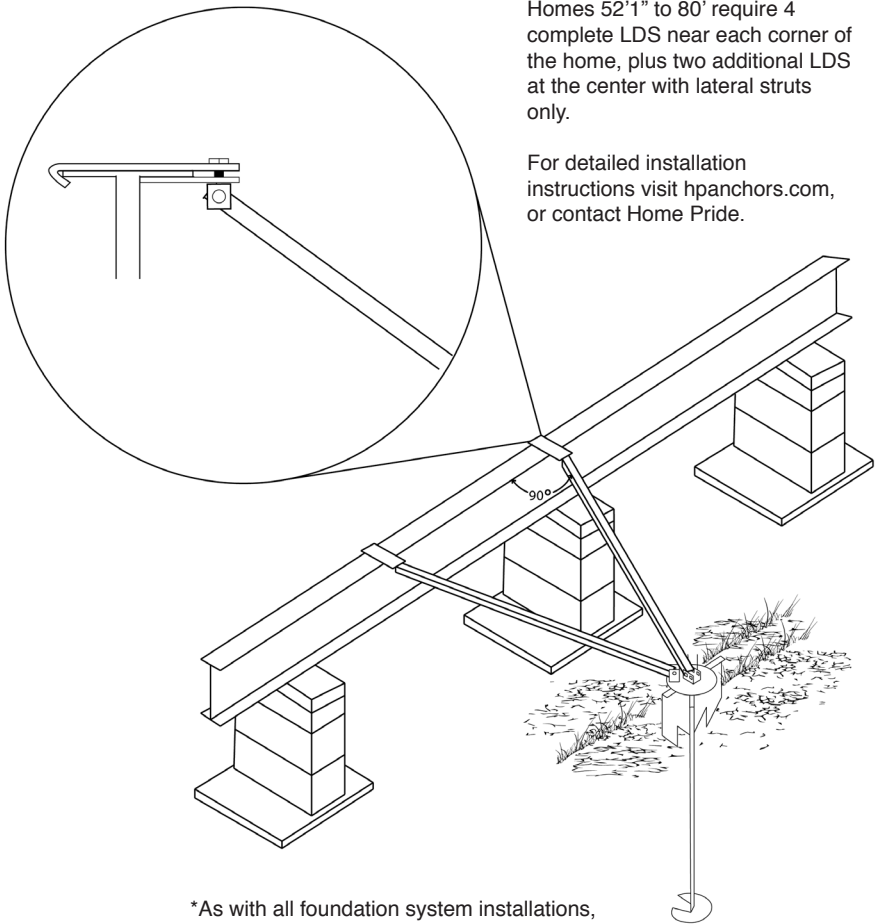
The LDS is designed to install at the perimeter of the home, and replaces 4 to 6 sidewall anchors (dependent on home length). Our specialized  $\frac{3}{4}$ " x 48" galvanized anchor accepts the attachment of telescoping struts to provide stability.

The LDS is designed for use in Florida only, on homes with up to a 48" pier, from 30' to 80' in length.

Homes 30' to 52' in length require 4 complete LDS near each corner of the home.

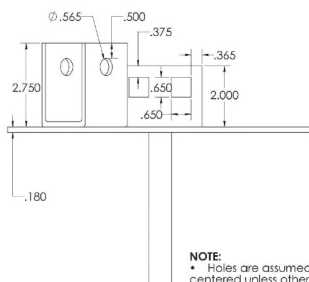
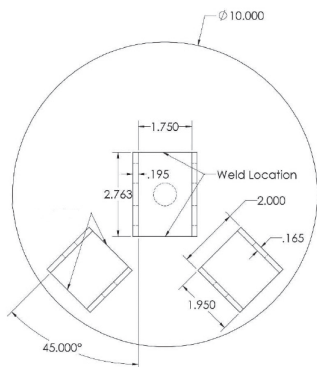
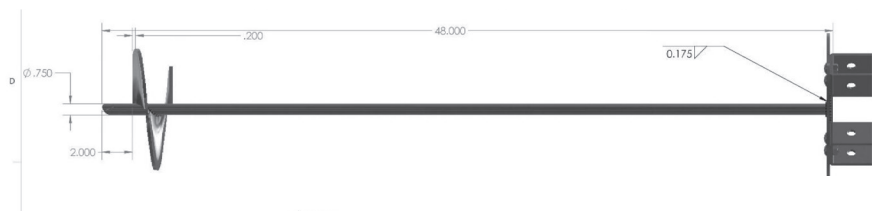
Homes 52'1" to 80' require 4 complete LDS near each corner of the home, plus two additional LDS at the center with lateral struts only.

For detailed installation instructions visit [hpanchors.com](http://hpanchors.com), or contact Home Pride.

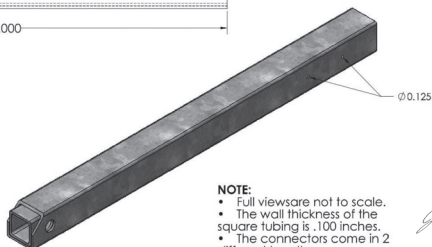
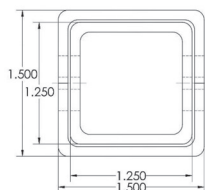
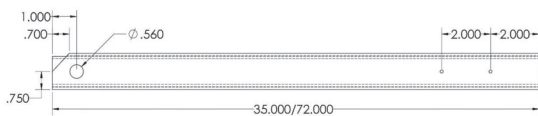
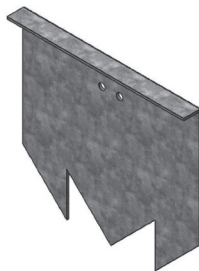
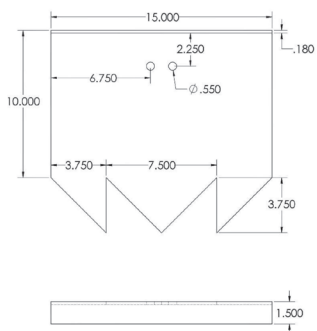


\*As with all foundation system installations, be sure to check your State and local requirements prior to installation.





**NOTE:**  
 • Holes are assumed to be centered unless otherwise specified.  
 • The Lateral Bracket is in the middle of the head and the Longitudinal Brackets are angled.



**NOTE:**  
 • Full views are not to scale.  
 • The wall thickness of the square tubing is .100 inches.  
 • The connectors come in 2 different lengths.  
 • The inner tube is free to slide out and extend to any desired length.



Mr. Andy Oliphant  
Home Pride Inc.  
421 Hart Lane  
P.O. Box 160387  
Nashville, Tn. 37216

November 18, 2015

Dear Mr. Oliphant

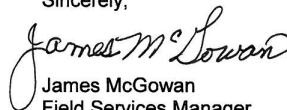
We wish to acknowledge receipt of your specifications and test results certifying that Home Pride Lock down Anchoring System (HP LDS) listed below complies with the specifications and regulations set by the Department of Highway Safety and Motor Vehicles, Rules 15C1.0105, 15C-1.0107 and 15C-1.0108, Florida administrative Code.

Based on the information submitted to this bureau, the following product is listed for sale and use in Florida when the installation instructions showing the way the system was tested, are provided, at installation sites.

<u>Identification</u>	<u>Description</u>
HP LDS	Longitudinal and Lateral Stabilizing System

If you have any questions, please contact me at 813-612-7115

Sincerely,



James McGowan  
Field Services Manager  
Bureau of Dealer Services  
Manufactured Housing Section

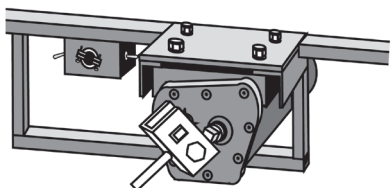
# ANCHOR INSTALLATION GUIDE

You can effectively and safely install anchors with a machine or you can do it manually. Either method is equally effective.

## Machine Installation

An anchor drive machine is used to turn the anchor into the ground.

1. Attach anchor to drive machine. Line up auger with strap and start machine.



2. Install anchor at a slight angle underneath the house. (12° - 15°, see figure.) This will ensure that the head of the anchor will be concealed behind future skirting.



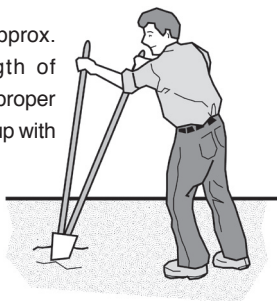
**CAUTION:** Anchor installation by anchor drive requires **two persons**.

## Manual or Mechanical Installation

Uses more easily accessible equipment.

1.

Dig a hole approx. 1/2 the length of the anchor in proper position (line up with strap as in machine installation).



2.

Screw anchor into the ground by hand to full depth of anchor. Use a rod or length of pipe for leverage.



3.

When the anchor is fully installed, re-pack the soil slowly and firmly, about six inches at a time.

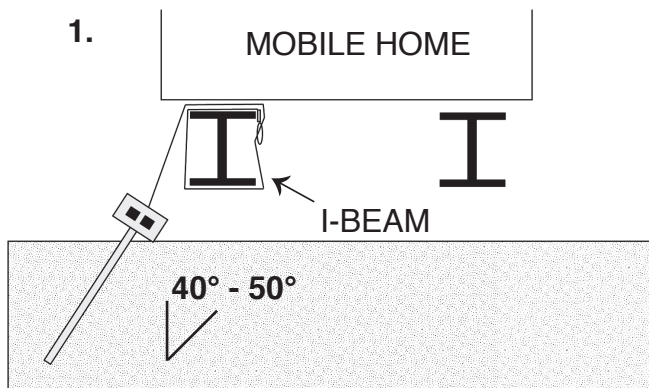


**CAUTION:** Make sure to avoid underground water, phone and power lines!

# PROPER INSTALLATION OF GROUND ANCHOR AND FRAME CONNECTION

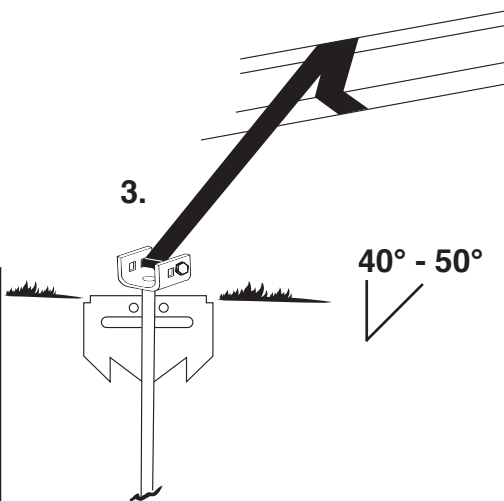
For home designs which require only diagonal frame ties, install the anchor in line with the ties. (See figure 1.)

When the load on the anchor is not applied in line with the anchor's long axis, the magnitude and effect of the horizontal movement of the anchor head should be investigated.

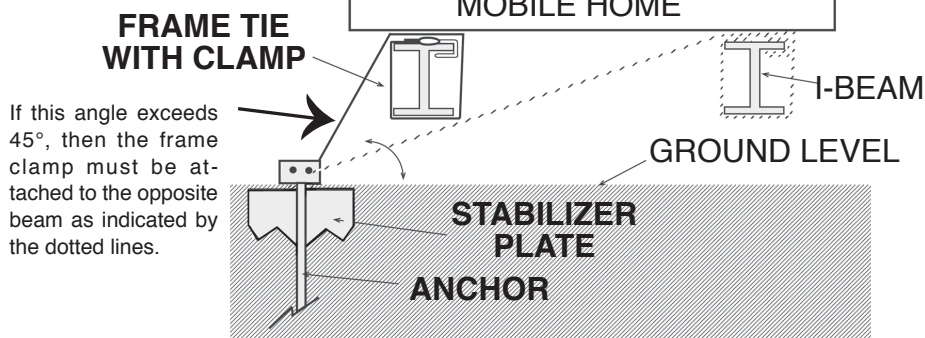


**THE RECOMMENDED WAY** to limit lateral deflection is by use of a tested and approved "metal stabilizing device." (See figure 3.) This plate is driven in front of the anchor's direction of pull and will act to minimize rod deflection.

**WARNING:** Most anchor installations follow the method shown in figure 3. A stabilizer plate **MUST** be used in this situation to provide required deflection. If a stabilizing device is not used in this situation, certain warranties and insurance policies may be voided.



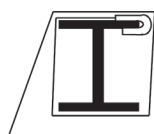
# FRAME TIE INSTALLATION



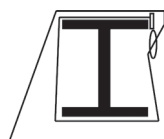
## Enlarged View of Frame I-Beam

A buckle or a frame clamp may be used to attach the strapping to the beam of home. Follow one of the two methods shown below:

### Frame Tie with Clamp


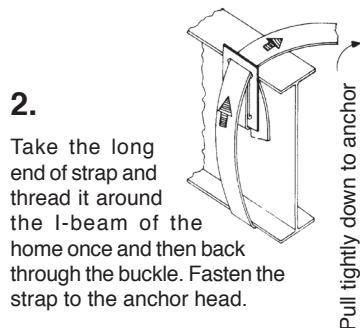
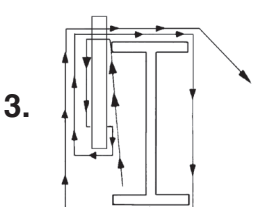
- 
1. Attach frame clamp to bottom of I-beam.
  2. Keeping in line with clamp, wrap strap around I-beam to where the clamp is attached, back over the top of the clamp, and down to anchor head.

### Frame Tie with Single Slot Buckle

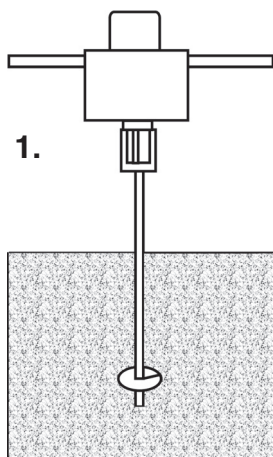
- 
1. Thread end of the strap with buckle over the top of I-beam toward the middle of the home.
  2. Bring loose end of strap down around I-beam and back up through the slot of the buckle, back over the top of the I-beam and then down to the anchor head.

# FRAME TIE INSTALLATION

**CAUTION:** Make sure you remove ALL slack from strap.

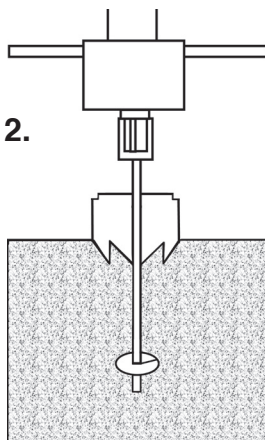
- 
- 
- 
1. Insert the tie strap through the buckle as shown above.
  2. Take the long end of strap and thread it around the I-beam of the home once and then back through the buckle. Fasten the strap to the anchor head.  
Pull tightly down to anchor
  3. Your strap should follow this diagram, going around the frame and through the buckle.

# PROPER INSTALLATION OF HOME PRIDE STABILIZING DEVICE



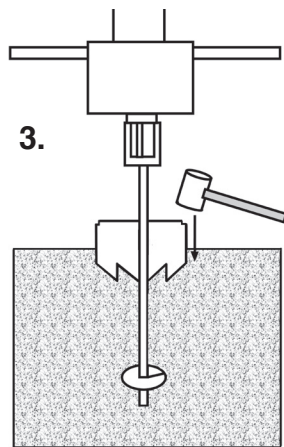
1.

Install anchor in the ground, leaving 12" to 18" of the shaft exposed.



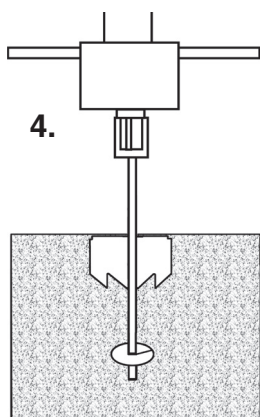
2.

Position the stabilizing device next to the anchor shaft on the side of the pull.



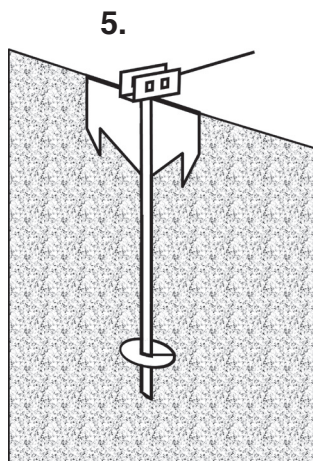
3.

Drive the stabilizing device into ground with steel mallet or similar tool.



4.

As the frame tie is tightened, the anchor will be drawn tight against the stabilizing device for safe, secure protection against lateral deflection.



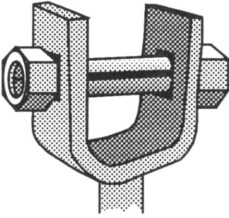
5.

Turn the anchor the rest of the way into the ground until the head of the anchor is flush with stabilizing device.



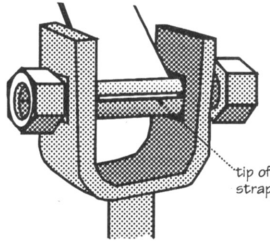
# STRAP-TO-ANCHOR HEAD TENSION

1.



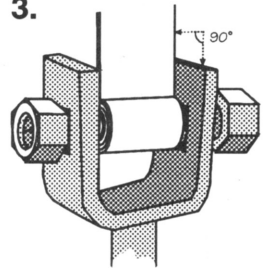
Insert bolt into the tensioning head and loosely attach the nut.

2.



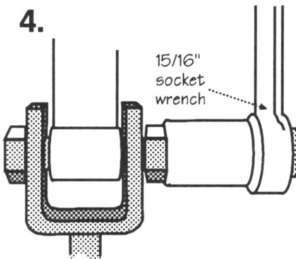
Slip strap through the slot of bolt about 5/8" or until the tip of the strap is just barely visible on the far side of the bolt.

3.



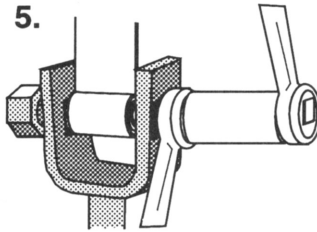
Pull strap to a 90° angle. Turn the bolt a minimum of 4 complete revolutions until the strap is taut.

4.



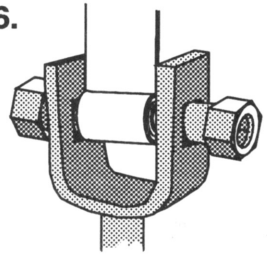
Use a 15/16" socket wrench or adjustable wrench to turn the bolt.

5.



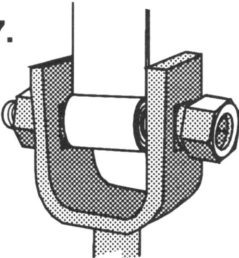
Place an open-end wrench on the shoulders of the bolt to keep it under tension while you reposition socket wrench.

6.



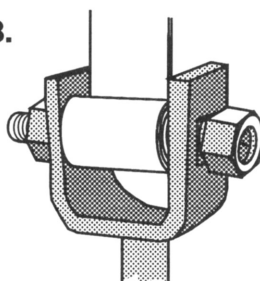
Align the square shoulders of the bolt with the square opening in the anchor.

7.



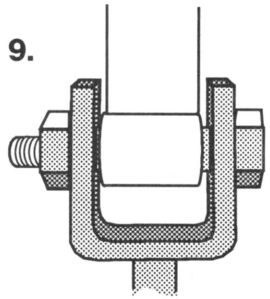
Hold hex head of bolt in position and tighten nut to draw square shoulders into square hole.

8.



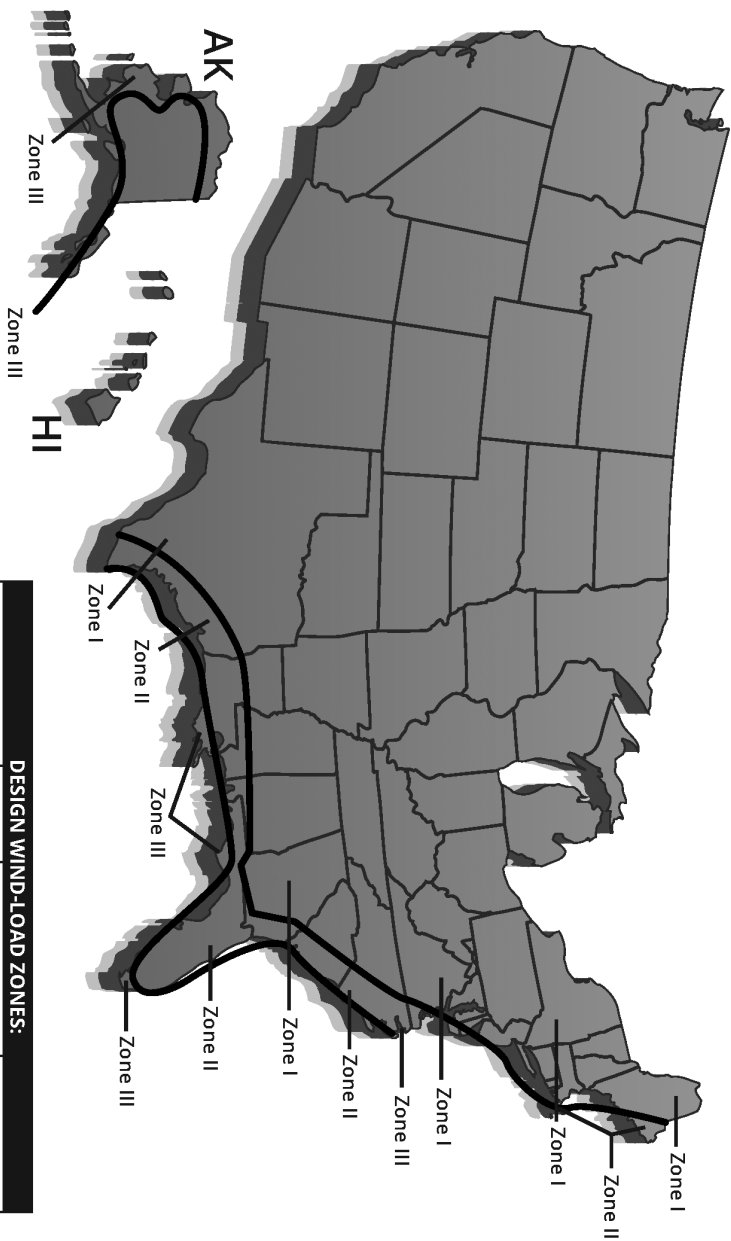
With shoulders now in locking position, continue to tighten nut.

9.



Well done! Your tensioning device is now in a secure locked position.

# WIND ZONE MAP



**DESIGN WIND-LOAD ZONES:**

STANDARD WIND	ZONE I	15 PSF HORIZONTAL	9 PSF UPLIFT*
HURRICANE	ZONE II	±39 PSF HORIZONTAL	27 PSF UPLIFT
HURRICANE	ZONE III	±39 PSF HORIZONTAL	32 PSF UPLIFT

\*NET UPLIFT

**NOTE:** PSF = POUNDS PER SQUARE FOOT

Source: Manufactured Home Construction and Safety Standards - Part 3280.305



# SOIL CLASS REFERENCE CHART

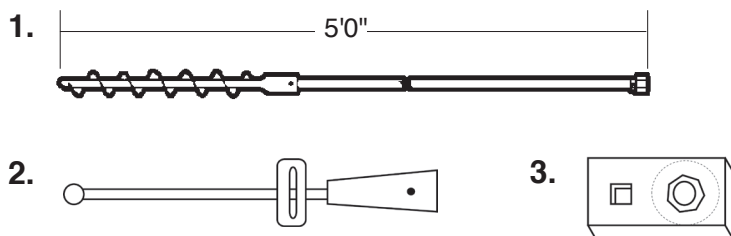
Use this chart to identify the recommended Home Pride anchor for every soil condition.

SOIL CLASS	SOIL DESCRIPTION	PROBE VALUE	RECOMMENDED HOME PRIDE ANCHOR
1	Sound, hard rock	N/A	<b>HP10</b> - Cross Drive Anchor (3 ft.) <b>HP11</b> - Cross Drive Anchor (4 ft.)
2	Very dense and/or cemented sands, coarse gravel and cobbles, caliche, preloaded silt, clays and coral	550 inch lbs. +	<b>HP1</b> - 5/8" Double Disc (30" Rod/4" Discs) <b>HP3</b> - 3/4" Double Disc (30" Rod/4" Discs) <b>HP3ZA</b> - 3/4" Double Disc (30" Rod/4" Discs) with Zip Cap.
3	Medium dense coarse sands, sandy gravels, very stiff silts and clays	350-550 inch lbs.	<b>HP1</b> - 5/8" Double Disc (30" Rod/4" Discs) <b>HP3</b> - 3/4" Double Disc (30" Rod/4" Discs) <b>HP3ZA</b> - 3/4" Double Disc (30" Rod/4" Discs) with Zip Cap.
4	Loose to medium dense sands, firm to stiff clays and silts, alluvial fill	175-350 inch lbs.	<b>HP4</b> - 5/8" Single Disc (48" Rod/6" Disc) <b>HP5</b> - 3/4" Single Disc (48" Rod/6" Disc) <b>HP6</b> - 3/4" Single Disc <b>HP17</b> - 3/4" Double Disc (36" Rod/6" & 4" Discs) <b>HP17ZA</b> - 3/4" Double Disc (36" Rod/6" & 4" Discs) with Zip Cap.
4a	Subclass of Class 4 Soil (Recognized only in Florida) *description same as soil class 4	276-350 inch lbs.	<b>HP4</b> - 5/8" Single Disc (48" Rod/6" Disc) <b>HP5</b> - 3/4" Single Disc (48" Rod/6" Disc)
4b	Subclass of Class 4 Soil (Recognized only in Florida) *Loose sand, firm clay, alluvial fill	175-275 inch lbs.	<b>HP8</b> - 3/4" Single Disc (60" Rod/8" Disc)

## Using the Soil Test Probe Properly

The soil test probe (see figure 1) is used to determine soil conditions below the surface of the ground below the anchor's helical plate. This allows you to match the soil condition to the correct anchor type, thereby insuring the maximum anchor holding strength for every application.

The soil probe comes complete with convenient carrying case, 600 lb. in. torque wrench (see figure 2), wrench adapter (see figure 3), and operation instructions.





## ANCHOR CERTIFICATION/APPROVALS

All anchors listed below have been tested by an independent testing service\* and have exceeded minimum load levels of 4,725 pounds for the soil classes listed. Specific test results and approvals from state regulatory bodies are on file and available upon request.

Please contact your distributor for specific state information.

ITEM	DESCRIPTION	SOIL CLASS
HP1	5/8" Double Disc Anchor (30" Rod/4" Discs)	2, 3
HP3	3/4" Double Disc Anchor (30" Rod/4" Discs)	2, 3
HP3ZA	3/4" Double Disc Anchor (30" Rod/4" Discs) with Zip Cap	2, 3
HP4	5/8" Single Disc Anchor (48" Rod/6" Disc)	2, 3, 4
HP5	3/4" Single Disc Anchor (48" Rod/6" Disc)	2, 3, 4
HP6	3/4" Single Disc Anchor (36" Rod/6" Disc)	2, 3, 4
HP8	3/4" Single Disc Anchor (60" Rod/8" Disc)	4A, 4B
HP10	3' Cross Drive Anchor	1
HP11	4' Cross Drive Anchor	1
HP12	Double Tension Device (Head Only)	Concrete
HP13	Patio Anchor ("J" Anchor)	Concrete
HP14	Swivel Head Anchor ("J" Anchor)	Concrete
HP17	3/4" Double Disc Anchor (36" Rod /6" + 4" Discs)	4
HP17ZA	3/4" Double Disc Anchor (36" Rod /6" + 4" Discs) with Zip Cap	4

\* Independent test results were performed between August 1995 and May 1997 by Product Testing, Inc., TriState Testing Service, Inc. and Questec Corporation.



**ROD M. HUDGINS, JR. P.E**

**P.O. BOX 5070**

**ASHEVILLE, N.C. 28813-5070**

Phone (704) 274-9244 Fax (704) 274-9525

**Rod M. Hudgins, Jr. P.E. – Principal**

**Dennis R. Pender – associate**

September 15, 1997

Mr. Brad Blevins  
Home Pride Inc.  
P. O. Box 160387  
Nashville, TN 37216

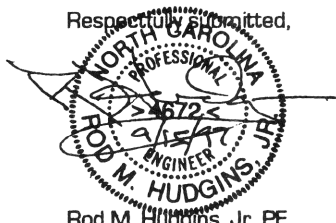
**Re: Anchor Certification**

Dear Mr. Blevins:

I have analyzed design drawings and physical testing reports for the Home Pride Incorporated anchors listed: **HP1, HP3, HP10, HP12, HP13, HP14, HP17**, as well as the buckles **HP20, HP21**, hook **HP22** along with the stabilizer plate **HP30**. My analysis and the physical test reports define the breaking strength of each of these anchors and their components to be in excess of **4,725** pounds. The strapping meets Federal Specification **QQ-S-791H** for type **ASTM D 3953** strapping. The strapping is 1 1/4" x .037 hot dip galvanized steel.

On file are testing reports of the direct withdrawal strength of these anchors. The tests evaluate the anchorage strength of Home Pride Inc. anchors installed resisting an axial and a 45 degree angle applied withdrawal load. For anchors **HP1, HP3, HP10, HP12, HP13, HP14** and **HP17**, the average ultimate holding power is not less than **4900** pounds when install in accordance with manufacturer instructions in the soil types, concrete and rock as indicated in the testing reports. The 45 degree tests for anchors **HP1, HP3** and **HP17** were in soil with a **HP30** stabilizer plate.

Respectfully submitted,



Rod M. Hudgins, Jr. PE

## PRODUCT TESTING, INC.

**Street Address**

111 Spring Street, Unit D  
Jacksonville, Florida 32254

(904) 384-8150  
FAX (904) 384-8154

**Mailing Address**

P.O. Box 37634  
Jacksonville, Florida 32236

Home Pride, Inc.  
P.O. Box 160387  
Nashville, TN 37216-0387  
Attn: Mr. Brad Blevins, Gen. Mgr.

June 30, 1997  
Job #97-1144

**RE: Field Pull Testing of Anchors w/Stabilizer Plate  
in the 90 and 45 Degree Angles  
Certification for the State of Alabama  
Alabama Manufactured Housing Commission  
Code of Alabama Title 24, Chapter 535-X**

Dear Mr. Blevins:


Product Testing, Inc. was requested by Mr. Brad Blevins, General Manager of Home Pride, Inc. to conduct field testing on Model Nos. HP-4 and HP-6 anchors with Model No. HP-30 Stabilizer plate, during the period of May 11 through 15, 1997, by Product Testing, Inc. The tests were conducted in Montgomery, Alabama and witnessed by Alabama Manufactured Housing Commission inspectors.


Product Testing, Inc. followed the instruction procedure for installation of the anchors and stabilizer plate by Home Pride, Inc. Soil type and description, soil class, using the torque test probe method, anchor and stabilizing material description, diagonal load readings, along with drawings and photographs are on enclosed on the following pages.

The anchors and stabilizing plate manufactured by Home Pride, Inc. meets the specification requirements of Alabama Manufactured Housing Commission (Title 24, Chapter 535-X) Code of Alabama, 1993.

Product Testing, Inc. is appreciative of the opportunity to provide this service to your Company. If there should be any questions concerning this report, please don't hesitate to contact me at (904) 384-8150.

Respectfully submitted,  
**PRODUCT TESTING, INC.**

  
Robert K. Prophet,  
VP & General Mgr

  
C.R. Caudel, P.E.  
Sr. Registered Engineer

## NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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