



Office Use Only

Project# IW-23-002

Address: 77 North Main "Lakefront"

MBL: 04A/03B/22/3A

Minimum Requirements for Submission of Application to Inland Wetlands and Watercourses Agency

This form must be submitted with your application

Please check all that are being submitted:

- Completed Application Form (3 Pages)
- Fee Paid
- Site Plan (Showing project location, extent of wetlands, dimensions, etc) – 10 Copies
- Project Narrative – 10 Copies
- Soils Report (As Required)
- Stormwater Report (As Required)
- State Reporting Form (Filled in to extent possible)
- Completed Application Checklist (Page 3 of Application)

- Schedule a Site Visit with Planning & Zoning Official at time of Application

replace existing ^{level} Raft a 12 x 30 level Deck
no Footing to replace using Deck Foot Anchors
See Attached Specs no Digging will take place

I certify that this application is complete:

Signature of Applicant: [Signature]

Date: 1-24-2023

The Agency reserves the right to add additional requirements in accordance with the Regulations.

Only Complete Application Packages Will Be Accepted

Office Use Only		Date Approved _____	Permit Number _____
Fee Paid <u>pd. 135 cash</u>		Agent Approval: YES NO	
Public Hearing: YES NO			

**TOWN OF EAST HAMPTON
INLAND WETLANDS & WATERCOURSES AGENCY**

Date: 1-24-2023
 1. Name of Applicant* George Katsouris Email: georgekatsouris@gmail.com
 Phone Numbers: Home 810-918-4970, Business _____, Cell _____
 Home Address: Street 77 N Main St Town E Hampton State/Zip 06424
 Business Address: Street _____ Town _____ State/Zip _____

* All applications MUST list contact phone numbers. If the applicant is a Limited Liability Corporation or a Corporation, provide the managing member's or responsible corporate officer's name, address, and telephone number.

2. Name of Property Owner (if different from Applicant): Asperia Katsouris Phone 810-918-8655
 Address: Street same Town _____ State/Zip _____

As the legal owner of the property listed on this application I hereby consent to the proposed activities. I hereby authorize the members and agents of the Agency to inspect the subject land, at reasonable times, during the pendency of the application and for the life of the permit.

Printed Name: George Katsouris, Signature: _____, Date: 1-24-2023

3. Provide the applicant's interest in the land. _

4. Site Location and Description: Assessor's Map 04A, Block 63B, Lot 22-3A
 Address: Street 77 North Main Town East Hampton State/Zip 070424

Note: It is the applicant's responsibility to provide the correct site address, map, block, and lot number for the legal notice. Provide a description of the land in sufficient detail to allow identification of the inland wetlands and watercourses, the area(s) (in acres or square feet) of wetlands or watercourses to be disturbed, soil type(s), and wetland vegetation.

Area of Wetland to be disturbed: _____ acres or sq. ft.
 Area of Watercourse to be disturbed _____ acres or sq. ft.
 Area of Upland Review Area to be disturbed: _____ acres or sq. ft. (Area within 100' of wetland)
TOTAL AREA OF DISTURBANCE _____ acres or sq. ft.
 Will fill be needed on site? Yes No If yes, how much fill is needed? _____ cubic yards
 The property contains (circle one or more)
 WETLANDS, BROOK, RIVER, INTERMITTANT STREAM, VERNAL POOL, SWAMP, OTHER _____
 Description of soil types on site: _____
 Description of wetland vegetation: _
 Name of Soil Scientist and date of survey: _____

5. Attach a written narrative of the purpose and description of the proposed activity and proposed erosion and sedimentation controls, best management practices, and mitigation measures which may be considered as a condition of issuing a permit for the proposed regulated activity including but not limited to; measures to:

(1) prevent or minimize pollution or other environmental damage, (2) maintain or enhance existing environmental quality, or (3) in the following order of priority: restore, enhance or create productive wetland or watercourse resources. Depending on the complexity of the project, include the following: sequence of operations, drainage computations with pre and post construction runoff quantities and runoff rates, plans clearly showing the drainage areas corresponding to the drainage computations, existing wetland inventory and functional assessment, soils report, construction plans signed by a certified soils scientist, licensed surveyor, and licensed professional engineer. Include a construction schedule, impacts to vegetation, and pictures that clearly show the existing conditions of all areas to be disturbed and/or cleared of vegetation.

6. Provide information of all alternatives considered. List all alternatives which would cause less or no environmental impact to wetlands or watercourses and state why the alternative as set forth in the application was chosen. All such alternatives shall be diagramed on a site plan or drawing.

Attach plans showing all alternatives considered.

See attached

7. Attach a site plan showing the proposed activity and existing and proposed conditions in relation to wetlands and watercourses and identifying any further activities associated with, or reasonably related to, the proposed regulated activity which are made inevitable by the proposed regulated activity and which may have an impact on wetlands or watercourses. Include a colored grading plan showing areas to be filled (green) and areas to be excavated (brown) that clearly shows existing and proposed contours and proposed limits of disturbance.

8. Attach the names and mailing addresses of adjacent landowners. Attach additional sheets if necessary.

Name <u>Robin McTushness</u>	Address <u>75 N. main st.</u>
Name <u>Michael Kromiec</u>	Address <u>3 Lake Blvd.</u>
Name _____	Address _____

9. Attach a completed DEEP reporting form.

The Agency shall revise or correct the information provided by the applicant and submit the form to the Commissioner of Environmental Protection in accordance with section 22a-39-14 of the Regulations of Connecticut State Agencies.

10. Attach the appropriate filing fee based on the fee schedule in Section 19 of the regulations.

Fee: _____ (Make check payable to "The Town of East Hampton")

11. Name of Erosion Control Agent (Person Responsible for Compliance): _____
 Phone Numbers: Home _____, Business _____
 Cell _____ Address: Street _____ Town _____
 State/Zip _____

12. Are you aware of any wetland violations (past or present) on this property? YES NO
 If yes, explain _____

13. Are you aware of any vernal pools located on or adjacent (within 500') to the property? YES NO

14. For projects that do not fall under the ACOE Category 1 general permit – Have you contacted the Army Corps of Engineers? YES NO

15. Is this project within a public water supply aquifer protection area or a public water supply watershed area? YES NO

If so, have you notified the Commissioner of the Connecticut Department of Public Health and the East Hampton WPCA? YES NO

(Proof of notification must be submitted with your application.)

16. PUBLIC HEARINGS ONLY. The applicant must provide proof of mailing notices to the abutters prior to the hearing date.

17. **As the applicant I am familiar with all the information provided in the application and I am aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.**

Printed name: Geoff Howland, Signature: _____, Date: 1-24-2023

Please Note: You or a representative must attend the Inland Wetlands meeting to present your application.



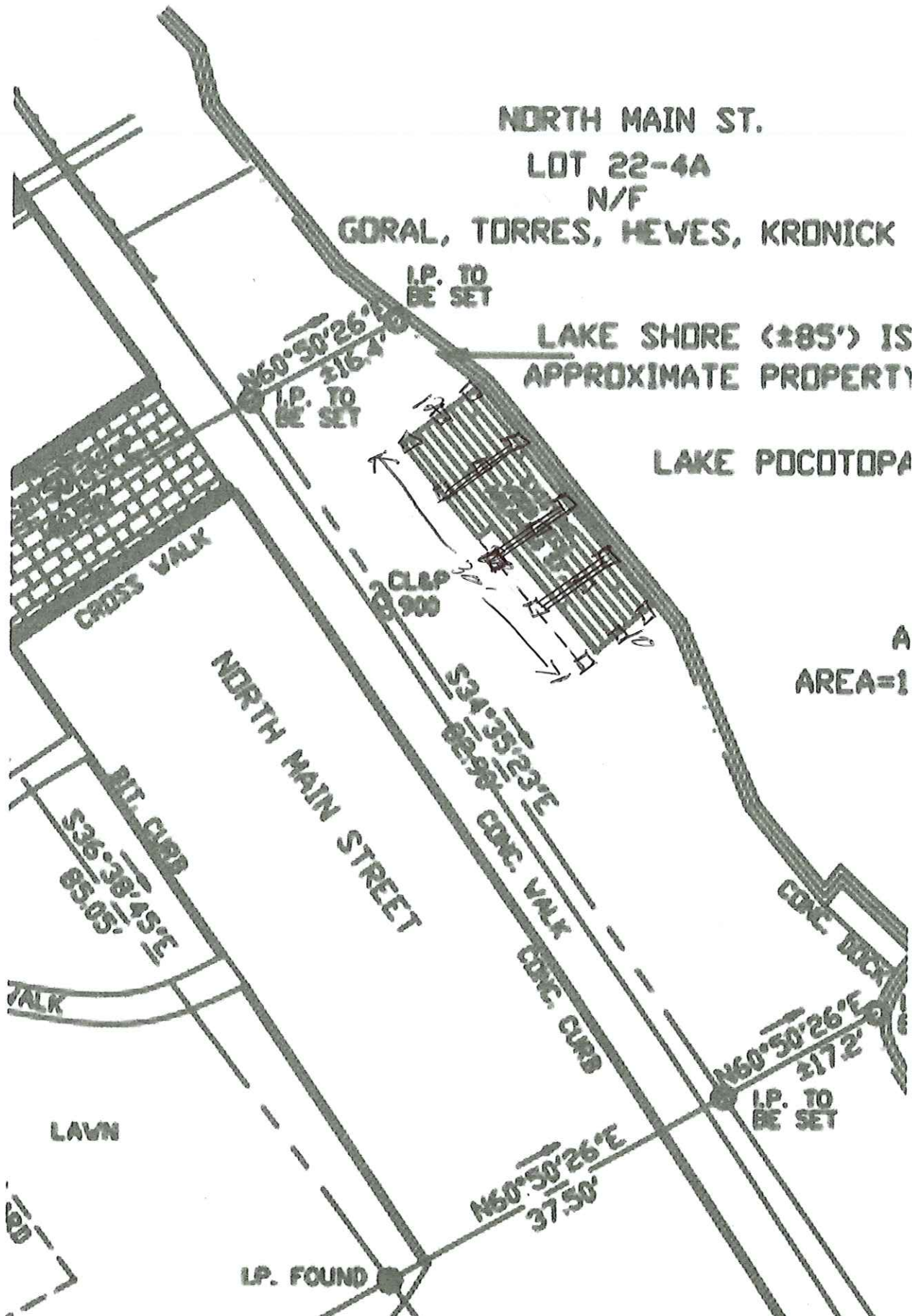
NORTH MAIN ST.
LOT 21
N/F
TOWN OF EAST HAMPTON

NORTH MAIN ST.
LOT 22-4A
N/F
GORAL, TORRES, HEWES, KRONICK

LAKE SHORE (±85') IS
APPROXIMATE PROPERTY

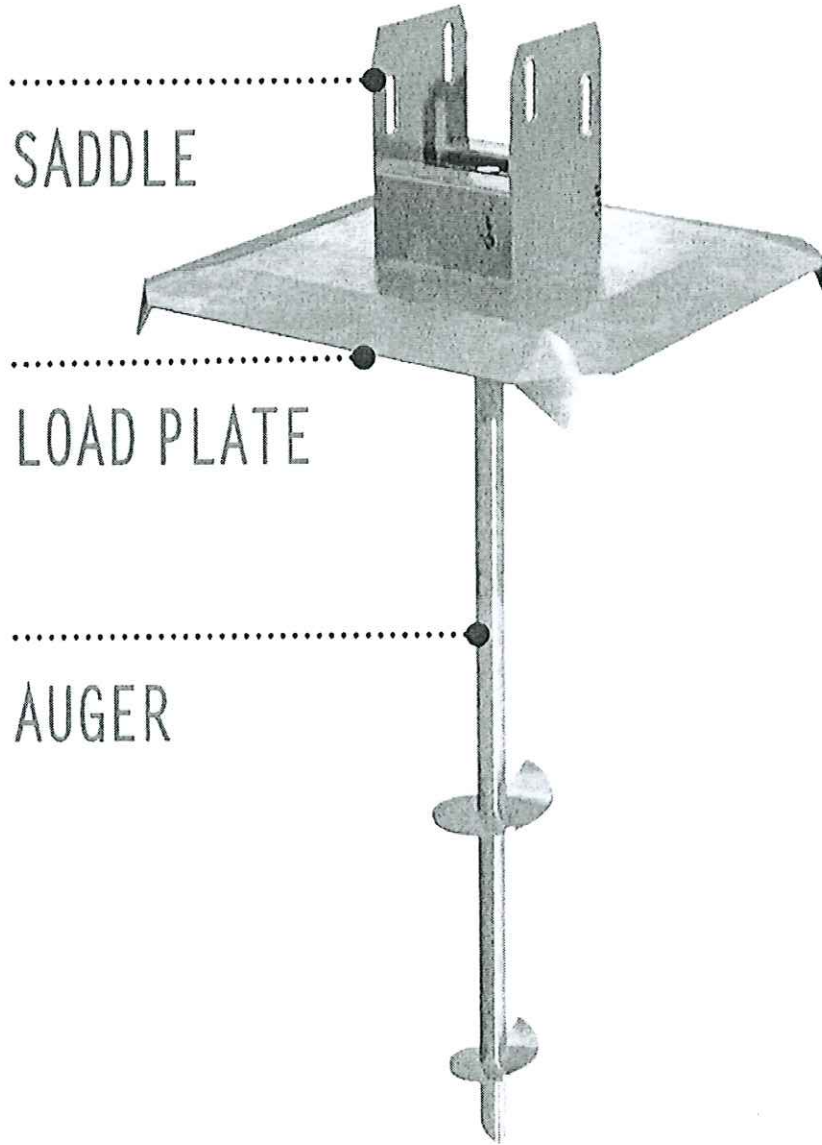
LAKE POCOTOPA

A
AREA=1

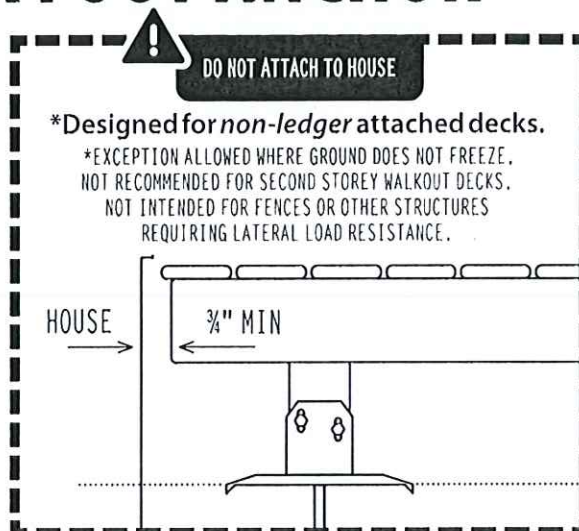
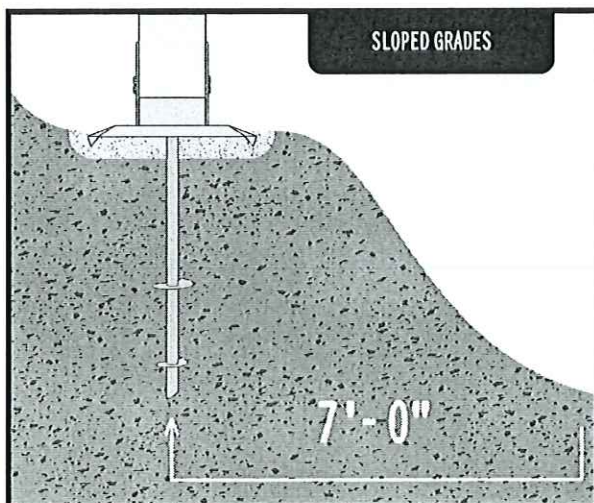


Replace existing 12 x 30 level deck. No existing footings to replace. Using 15 deck foot anchors. No digging will take place.

DECK FOOT ANCHOR



INSTALLATION | DECK FOOT ANCHOR™



Introducing Terra-Shift™

"A SHOCK ABSORBER SYSTEM FOR YOUR DECK"

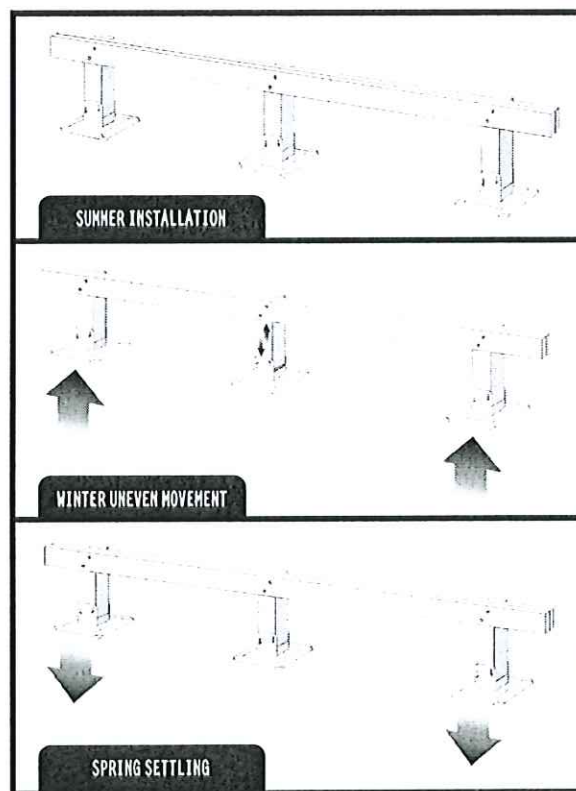
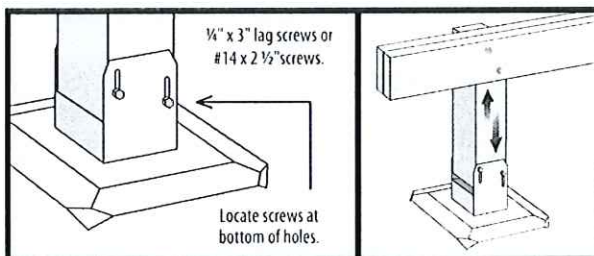
The Titan Deck Foot Anchor™ uses our patented Terra-Shift™ post bracket system to help keep soil around the anchor undisturbed and prevent damage to all post and beam and other structural connections.

**TERRA-SHIFT™
Technology**

Here is how it works:

The fastener slide holes reduce friction between the

post and bracket just enough so that if the soil shifts or expands unevenly along a series of footings under a beam, the post is free to slide vertically and then settle back to normal. It's like a shock absorbing system for your deck.



TITAN DECK FOOT ANCHOR™ / TIDP442 / TIDP662 / TIDKP / TIGA600 / TIGA900

PATENT NO

US 9,309,688

ATTENTION: Before beginning work, consult with local building officials or engage professionals to ensure that this product is appropriate for your intended use or help clarify if these warnings are unclear or if you do not understand any of the information in this installation guide. Always comply with applicable building codes and be advised that building codes may vary.

ADVERTENCIA: Antes de comenzar a trabajar, consulte con funcionarios de la construcción local o contrate profesionales para asegurarse de que este producto sea apropiado para la aplicación deseada o para para ayudar a clarificar en caso de que estas advertencias no sean claras o en caso de que usted no comprenda parte de la información de esta guía de instalación. Siempre cumpla con los códigos de construcción aplicables y sepa que los códigos de la construcción pueden variar.

ATTENTION: Avant de commencer le travail, consultez les autorités locales en construction ou embauchez des professionnels pour assurer que ce produit est approprié pour l'application que vous avez en vue ou pour aider à clarifier ces instructions si elles ne sont pas claires ou si vous ne comprenez pas quelque information que ce soit dans ce guide d'installation. Conformez vous toujours aux codes du bâtiment qui s'appliquent à sachez que les codes du bâtiment peuvent varier d'un endroit à un autre.

QUESTIONS? CONTACT US AT 1-866-577-8868 IN NO EVENT SHALL TITAN BUILDING PRODUCTS BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR OTHERWISE, WHICH RESULTS FROM THE IMPROPER INSTALLATION OR USE OF THIS PRODUCT. IF FOR ANY REASON TITAN BUILDING PRODUCTS BECOMES LIABLE FOR LOSS OR DAMAGE, DIRECT OR OTHERWISE, THE AGGREGATE LIABILITY OF TITAN BUILDING PRODUCTS SHALL BE LIMITED TO THE RETAIL PURCHASE PRICE OF THE PRODUCTS.

QUESTIONS? CONTACT US TOLL FREE

1-866-577-8868

TITAN
BUILDING PRODUCTS
THE ART OF BUILDING



titanbuildingproducts.com

Product Details

Ground Anchored Footings in minutes are a reality. The Deck Foot Anchor gives you strength and security similar to a poured concrete footing without the labor, time and cost. Quickly and easily install ground anchored footings for freestanding decks, pergolas, sheds, ramps and more - in minutes.

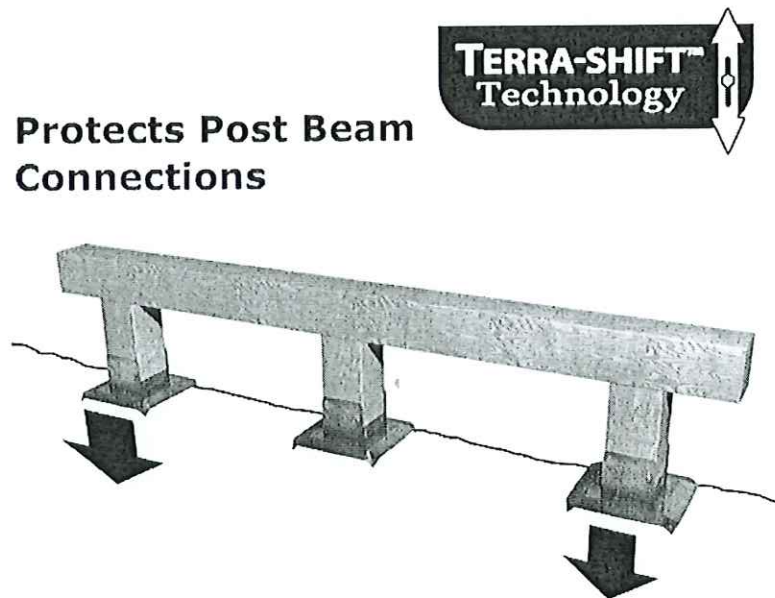
- How does frost affect the anchor the Deck Foot Anchor does not heave up from the ground like a fence post that is literally popped out of the ground a little bit each year, the Deck Foot Anchor remains anchored to the ground and moves with the soil as it expands up or settles down during freeze or thaw cycles, use only with freestanding decks, unless the soil does not freeze in your area
- Tested to a minimum of 19,000 lbs. independent compression load testing has confirmed that each Deck Foot Anchor can support a minimum of 19,000 lbs. this is far more than your soil will ever support, so the Deck Foot Anchor is not the weakest link. your soil bearing capacity is the limiting factor
- Low or high elevation decks, ground level: you can build your deck with joists as low as 2 in. to 3 in. above grade if you wish, simply hang the joists from the perimeter joist if you want to extend the deck beyond the footing, extend the side perimeter joists 6 in. to 10 in. and fill with blocking joists along the length
- Easily up to 6 ft. with proper bracing in both directions from 6 in. x 6 in. posts to beams, you can make a 6 ft. H freestanding deck as solid as a rock, it's possible to go even higher but it is not intended to support decks at a second-floor elevation
- Securely anchored: ready for high wind, decks supported by concrete blocks that rest on the surface are susceptible to uplift in high winds and have to be secured to the ground with a webbing of cables and ground spikes the titan deck foot anchor holds your footings securely to the ground, almost 2/3 of the United States and parts of Canada are in high wind zones, for maximum uplift resistance, consider using the 36 in. auger

HOW DOES FROST AFFECT THE ANCHOR?

The Deck Foot Anchor™ does not heave up from the ground like a fence post that is literally popped out of the ground a little bit each year. The Deck Foot Anchor™ remains anchored to the ground and moves with the soil as it expands up or settles down during freeze or thaw cycles.

The Deck Foot Anchor is not promoted as a frost footing and falls under Section R403.1.4.1. Exception 3 (IRC) and Section 9.12.2.2.(7) (NBC). Therefore it is recommended for use with freestanding decks, unless the soil does not freeze in your area.

[Go to Top of Page](#)



Protects Post Beam Connections

Posts Can Slide Back Soil Settles Again In Spring

WHAT IS TERRA-SHIFT™

Terra-Shift refers to our unique friction release system in the bracket that protects critical post to beam connections on your deck in the event of any seasonal soil movement.

If any uneven uplift forces are imposed on your footings, posts will slide up or down independently as needed to protect and preserve the post and beam joints from separating.

TESTED TO A MINIMUM OF 19,000 POUNDS!

Independent compression load testing has confirmed that each Deck Foot Anchor can support a minimum of 19,000 pounds.

This is far more than your soil will ever support. So the Deck Foot Anchor is not the weakest link. Your soil bearing capacity is the limiting factor.

UPLIFT

SOIL TYPES

AUGER

SAND

CLAY

24"

3762 lbs

638 lbs

36"

4001 lbs

1244 lbs

48"

>4001 lbs

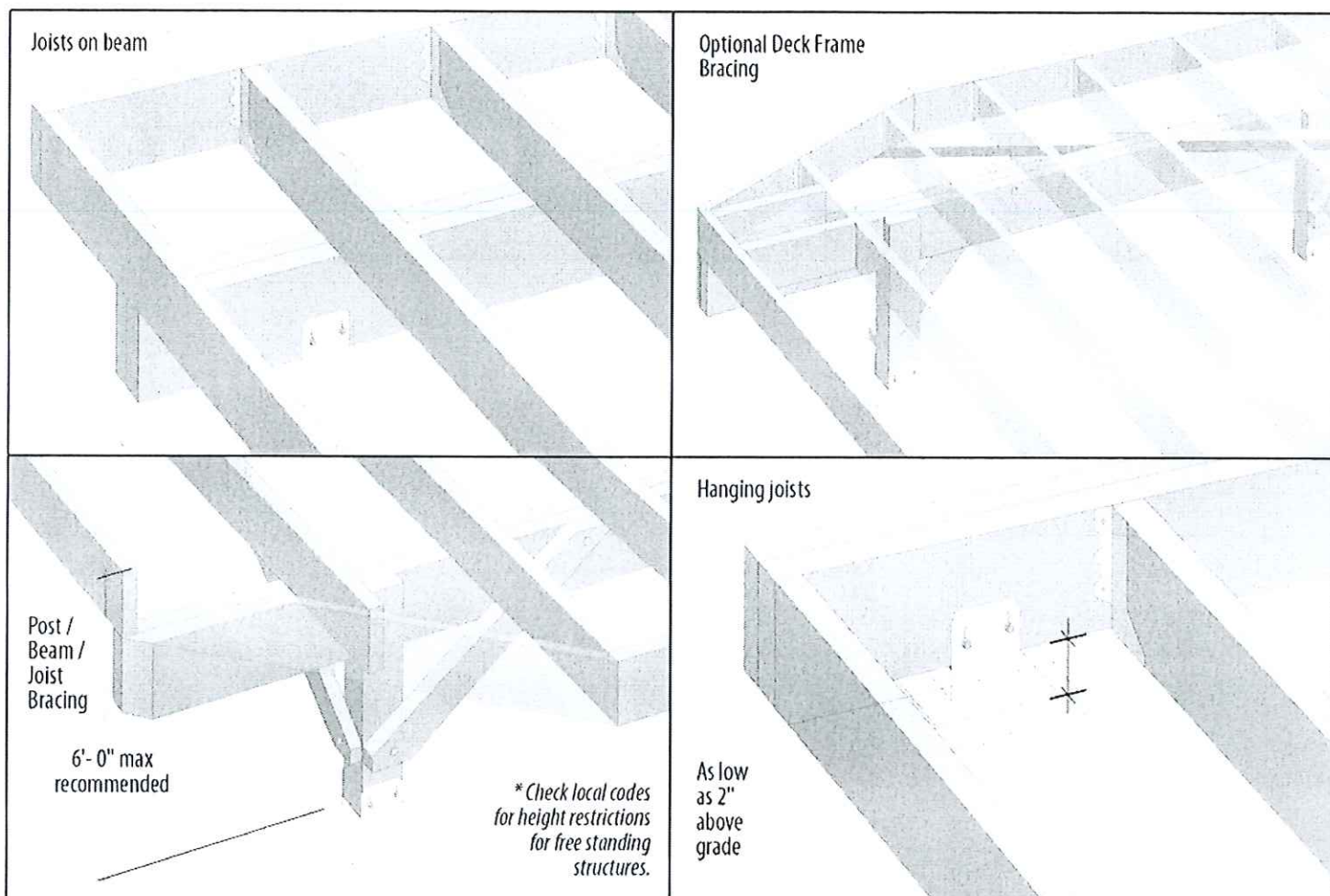
>1244 lbs

Pull out resistance (tension) from undisturbed soil varies by soil type and auger length. If you are building a project where known uplift data is required please see our Tension Test data for sandy or clay soils based on auger length.

This is data taken from field testing by Intertek in a location in Colorado and is part of an extensive residential code compliance review program this is expected to be completed in 2022.

[DOWNLOAD REPORT](#)

FRAMING AND BRACING TECHNIQUES



LOW OR HIGH ELEVATION DECKS

GROUND LEVEL

You can build your deck with joists as low as 2"-3" above grade if you wish. Simply hang the joists from the perimeter joist. If you want to extend the deck beyond the footing, extend the side perimeter joists 6"-10" and fill with blocking joists along the length.

EASILY UP TO SIX FEET

With proper bracing in both directions from 6x6 posts to beams, you can make a six-foot high freestanding deck as solid as a rock. It's possible to go even higher but it is not intended to support decks at a second-floor elevation.

HOW MANY FOOTINGS DO I NEED?

The Rule of Thumb is 6'-0" apart for each footing. This corresponds to a design load of 50 psf and tributary areas over each footing of 36 sqft.

So the total load imposed on the soil below each footing would be a maximum of 1800 psf as the footing is just slightly larger than 1 sqft.

If you have a large deck where three or more beams are going to be used, consider adding one additional footing along the interior beam. This is because the tributary loads of any structure are always greatest in the middle.



ACCREDITED
Testing Laboratory

TL-342

CTL|THOMPSON, INC.
400 NORTH LINK LANE
FORT COLLINS, COLORADO 80524
(970) 206-9455

PRODUCT TESTING REPORTS
TITAN DECK FOOT ANCHORS
TIGA600 AND TIGA900

Prepared For:

intertek

Total Quality. Assured.

130 Derry Court
York, PA 17406

Attention: Mr. Kendall Leaman

Project Number: FC09763.000-470

Report Number: 1605 (Rev. 2)

October 29, 2021

 **CTL|THOMPSON**
INCORPORATED

October 29, 2021

Subject: Product Testing Report
Titan Deck Foot Anchors
TIGA600 and TIGA900

Project Number: FC09763.000-470
Report Number: 1605 (Rev. 2)

CTL|Thompson, Inc. has performed product testing on the products listed below in accordance with the supplied evaluation plan provided by Intertek (Report No: 104057475-YRK-01, dated: 04.23.2020). This report presents the product descriptions, test methods, test data and test summaries of the testing program.

Anchor types for each test were specified by Intertek. Installation instructions were provided by Titan Building Products and are attached in Appendix A. Per client request, testing excluded the load plate (HDKP) as shown in the installation instructions and shop drawings. Testing was only performed fully installed anchors.

Products included in this testing program are as follows:

Manufacturer ID	Shaft Size	Shaft Length	Auger Configuration
TIGA600	19 mm (0.748 in)	600 mm (23.62 in)	60 mm (2.362 in) / 83 mm (3.268 in)
TIGA900		900 mm (35.43 in)	

This report provides the following testing results based on the following test methods:

Main Standard	Reference Standard / Section	Test
AC358	Section 3.11.3, 4.2.2	Torsion
AC336	ASTM D1143 Section 10.1.3	Compression Load Bearing
IBC	ASTM D3689 Section 8.1.2	Tension Load Test



Summary of Testing Results

Standard / Section	Test	Result Summary
AC358 / 4.2.2	Torsion	RTC ¹ = 128.3 ft-lbs
AC336 / 4.3.2 ASTM D1143 / 10.1.3	Compression Load Bearing	Clay (TIGA900) RLC ² = 1,391 lbs Clay (TIGA600) RLC = 1,146 lbs Sand RLC = 6,285 lbs
ASTM D3689 / 8.1.2	Tension Load Test TIGA600	Clay RMLC ³ = 638 lbs Sand RMLC = 3,762 lbs
ASTM D3689 / 8.1.2	Tension Load Test TIGA900	Clay RMLC ³ = 1,244 lbs Sand RMLC = 4,001 lbs

¹ RTC = Reported Torque Capacity

² RLC = Reported Load Capacity (at 0.5" Deflection)

³ RMLC = Reported Maximum Load Capacity

We appreciate the opportunity to work with you on this project. If you have any questions regarding the information provided in this report, please do not hesitate to contact us.

Sincerely,
CTL|THOMPSON, INC.

Ryan S. Beck, P.E.
Associate Engineer
Accredited Laboratory Manager

Reviewed by:

R.B. "Chip" Leadbetter, III, P.E.
Senior Geotechnical Engineer
Accredited Laboratory Director

Report Authorized for Release:

DOCUMENT APPROVED FOR
RELEASE

RSB

Oct 29 2021

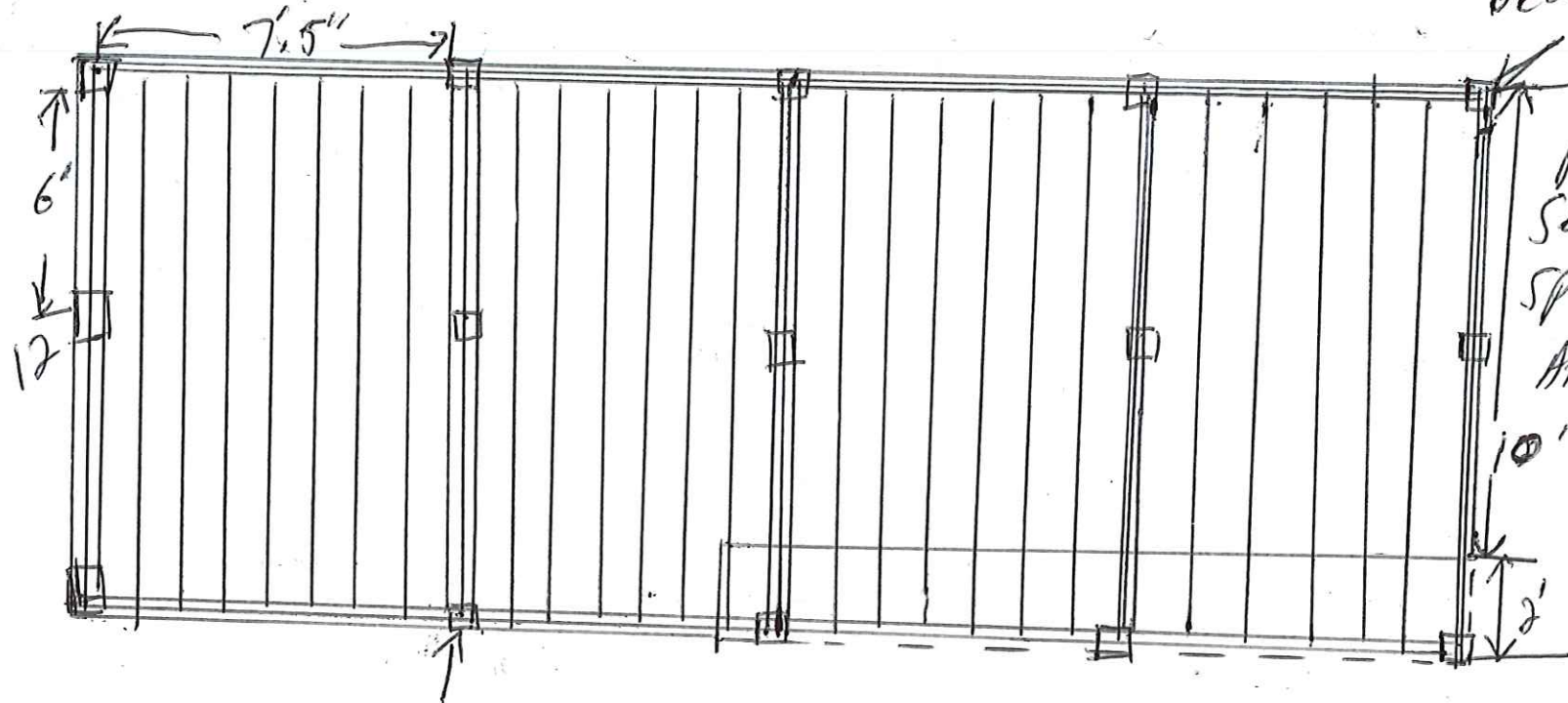
Revision Log

Date	Revision No.	Explanation	By
09.24.2021	0	Initial Issue	R. Beck, Manager
09.27.2021	1	Include Extra Testing on TIGA600	R. Beck, Manager
10.29.2021	2	Additional Tension Testing on TIGA900	R. Beck, Manager

77 North Main St Deck Footing plan

Replace Rotten Footing + Deck boards

12x2x8 16" on center



Deck Foot Anchors

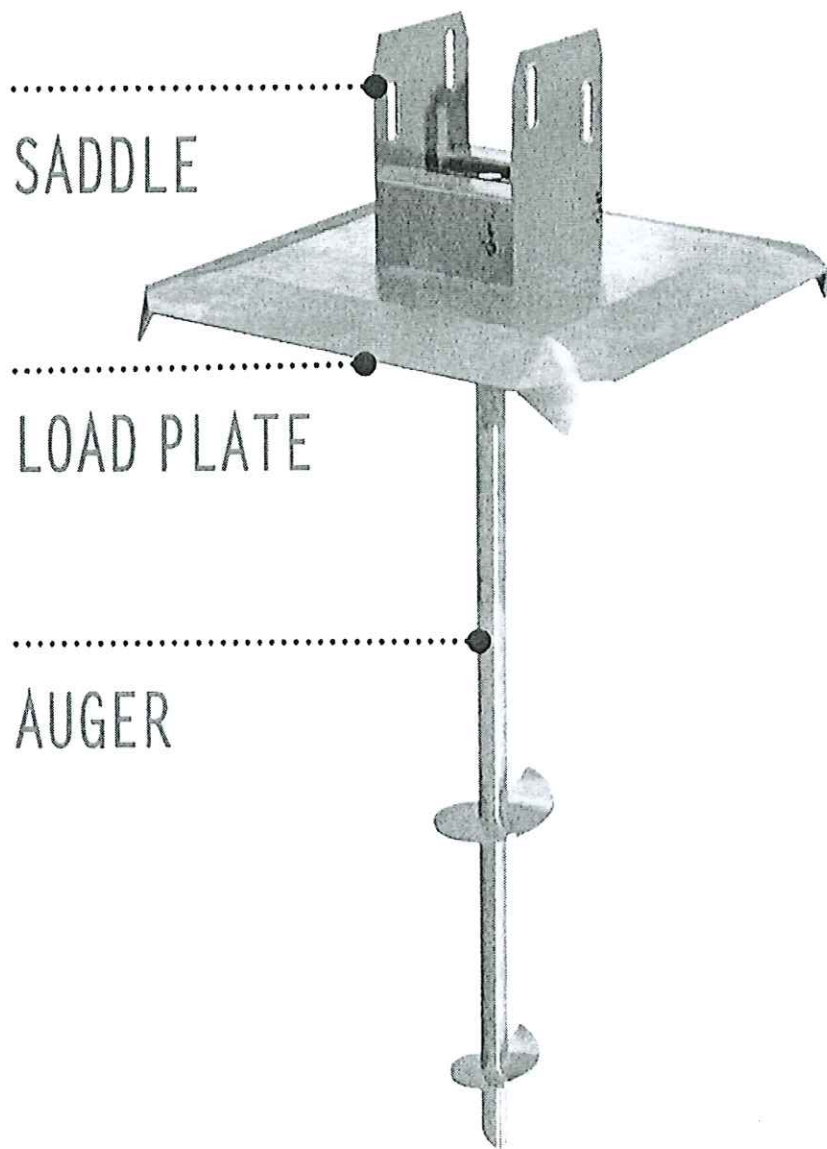
Please See Manufacture Specs Attached

Foot Deck Anchors
Set 7.5" Apart
+
6' Apart

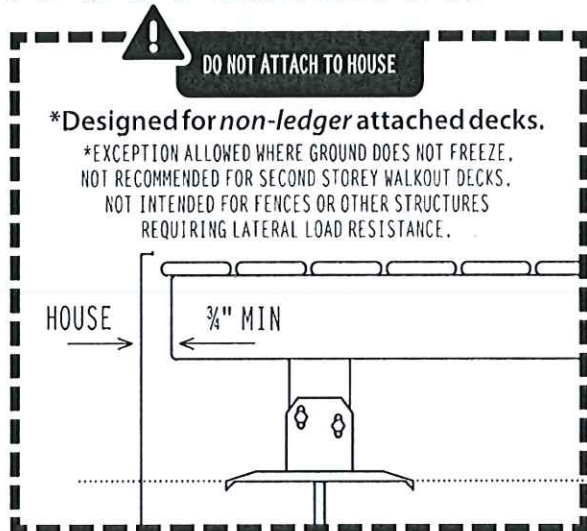
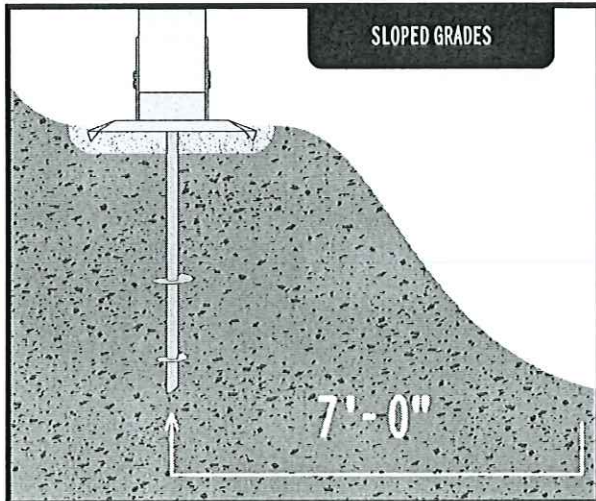
Full Specs Attached.

1/2" deck foot anchor
Currently no footings

DECK FOOT ANCHOR



INSTALLATION | DECK FOOT ANCHOR™

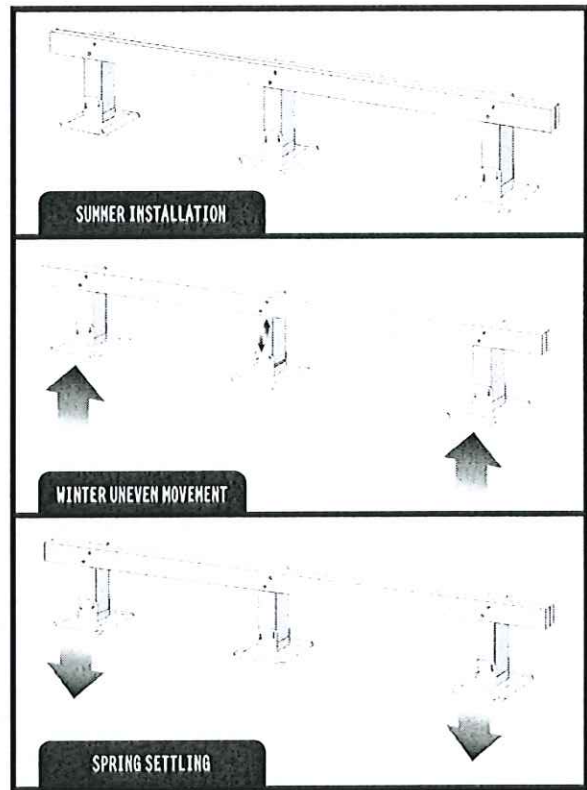
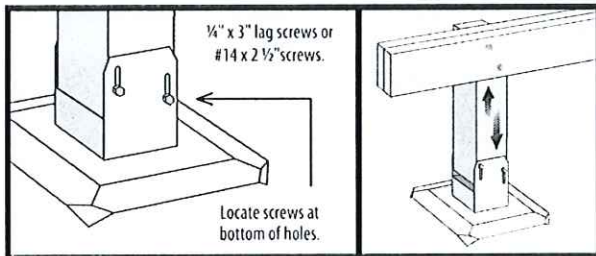


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PATENT NO. US 9,309,688

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titanbuildingproducts.com

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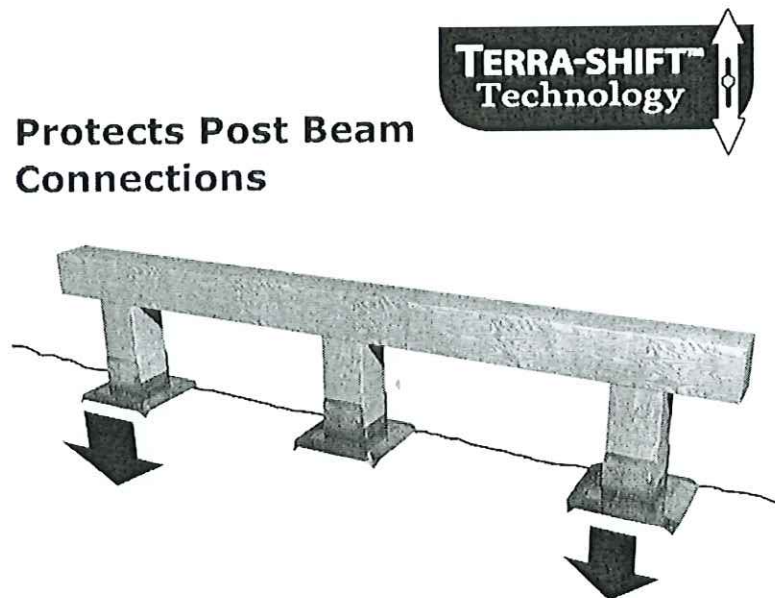
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UPLIFT

SOIL TYPES

AUGER

SAND

CLAY

24"

3762 lbs

638 lbs

36"

4001 lbs

1244 lbs

48"

>4001 lbs

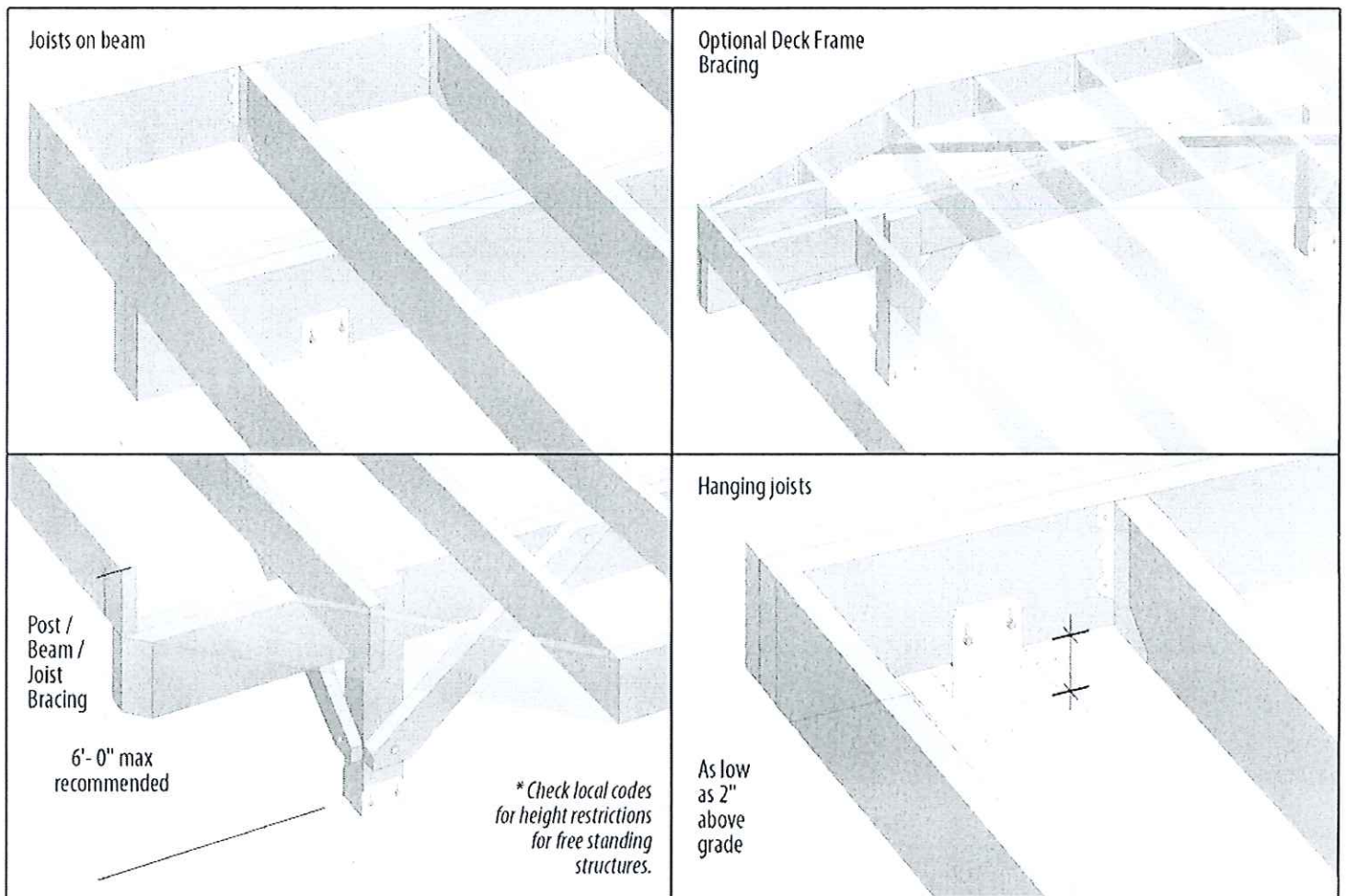
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LOW OR HIGH ELEVATION DECKS

GROUND LEVEL

You can build your deck with joists as low as 2"-3" above grade if you wish. Simply hang the joists from the perimeter joist. If you want to extend the deck beyond the footing, extend the side perimeter joists 6"-10" and fill with blocking joists along the length.

EASILY UP TO SIX FEET

With proper bracing in both directions from 6x6 posts to beams, you can make a six-foot high freestanding deck as solid as a rock. It's possible to go even higher but it is not intended to support decks at a second-floor elevation.

HOW MANY FOOTINGS DO I NEED?

The Rule of Thumb is 6'-0" apart for each footing. This corresponds to a design load of 50 psf and tributary areas over each footing of 36 sqft.

So the total load imposed on the soil below each footing would be a maximum of 1800 psf as the footing is just slightly larger than 1 sqft.

If you have a large deck where three or more beams are going to be used, consider adding one additional footing along the interior beam. This is because the tributary loads of any structure are always greatest in the middle.



ACCREDITED
Testing Laboratory

TL-342

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PRODUCT TESTING REPORTS
TITAN DECK FOOT ANCHORS
TIGA600 AND TIGA900

Prepared For:

intertek

Total Quality. Assured.

130 Derry Court
York, PA 17406

Attention: Mr. Kendall Leaman

Project Number: FC09763.000-470

Report Number: 1605 (Rev. 2)

October 29, 2021



CTL|THOMPSON
INCORPORATED

October 29, 2021

Subject: Product Testing Report
Titan Deck Foot Anchors
TIGA600 and TIGA900

Project Number: FC09763.000-470
Report Number: 1605 (Rev. 2)

CTL|Thompson, Inc. has performed product testing on the products listed below in accordance with the supplied evaluation plan provided by Intertek (Report No: 104057475-YRK-01, dated: 04.23.2020). This report presents the product descriptions, test methods, test data and test summaries of the testing program.

Anchor types for each test were specified by Intertek. Installation instructions were provided by Titan Building Products and are attached in Appendix A. Per client request, testing excluded the load plate (HDKP) as shown in the installation instructions and shop drawings. Testing was only performed fully installed anchors.

Products included in this testing program are as follows:

Manufacturer ID	Shaft Size	Shaft Length	Auger Configuration
TIGA600	19 mm (0.748 in)	600 mm (23.62 in)	60 mm (2.362 in) / 83 mm (3.268 in)
TIGA900		900 mm (35.43 in)	

This report provides the following testing results based on the following test methods:

Main Standard	Reference Standard / Section	Test
AC358	Section 3.11.3, 4.2.2	Torsion
AC336	ASTM D1143 Section 10.1.3	Compression Load Bearing
IBC	ASTM D3689 Section 8.1.2	Tension Load Test



Summary of Testing Results

Standard / Section	Test	Result Summary
AC358 / 4.2.2	Torsion	RTC ¹ = 128.3 ft-lbs
AC336 / 4.3.2 ASTM D1143 / 10.1.3	Compression Load Bearing	Clay (TIGA900) RLC ² = 1,391 lbs Clay (TIGA600) RLC = 1,146 lbs Sand RLC = 6,285 lbs
ASTM D3689 / 8.1.2	Tension Load Test TIGA600	Clay RMLC ³ = 638 lbs Sand RMLC = 3,762 lbs
ASTM D3689 / 8.1.2	Tension Load Test TIGA900	Clay RMLC ³ = 1,244 lbs Sand RMLC = 4,001 lbs

¹ RTC = Reported Torque Capacity

² RLC = Reported Load Capacity (at 0.5" Deflection)

³ RMLC = Reported Maximum Load Capacity

We appreciate the opportunity to work with you on this project. If you have any questions regarding the information provided in this report, please do not hesitate to contact us.

Sincerely,
CTL|THOMPSON, INC.

Ryan S. Beck, P.E.
Associate Engineer
Accredited Laboratory Manager

Reviewed by:

R.B. "Chip" Leadbetter, III, P.E.
Senior Geotechnical Engineer
Accredited Laboratory Director

Report Authorized for Release:

**DOCUMENT APPROVED FOR
RELEASE**

RSB

Oct 29 2021

Revision Log

Date	Revision No.	Explanation	By
09.24.2021	0	Initial Issue	R. Beck, Manager
09.27.2021	1	Include Extra Testing on TIGA600	R. Beck, Manager
10.29.2021	2	Additional Tension Testing on TIGA900	R. Beck, Manager