

CITY OF SACRAMENTO
1231 I Street, Sacramento, CA 95814

Permit No: 9911622
Insp Area: 2

Site Address: 882 SHORE BREEZE DR SAC
Parcel No: 031-1330-077

Sub-Type: ASFR
Housing (Y/N): N

CONTRACTOR
CARRERA CONSTRUCTION COMPANY INC.
P O BOX 220
FAIR OAKS BL CA 95628

OWNER
882 SHORE BREEZE DR
SACRAMENTO CA 95831

ARCHITECT
ENG BILL W

**Nature of Work: REPAIR STRUCTURAL DISCREPANCIES: NEW ROOF
STRUCTURE/HOLDOWNS, REFLASH WINDOWS, STUCCO**

CONSTRUCTION LENDING AGENCY : I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C).

Lender's Name _____ Lender's Address _____

LICENSED CONTRACTORS DECLARATION: I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with section 7000) of Division 3 of the Business and Professions Code and my license is in full force and effect.

License Class B License Number 713296 Date 11-9-17 Contractor Signature [Signature]

OWNER-BUILDER DECLARATION: I hereby affirm under penalty of perjury that I am exempt from the contractors License Law for the following reason (Sec. 7031.5, Business and Professions Code; any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 8 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars (\$500.00):

I, as a owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professional Code: The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his/her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he/she did not build or improve for the purpose of sale.)

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code). The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law).

I am exempt under Sec. _____ B & PC for this reason: _____

Date _____ Owner Signature [Signature]

IN ISSUING THIS BUILDING PERMIT, the applicant represents, and the city relies on the representation of the applicant, that the applicant verified all measurements and locations shown on the application or accompanying drawings and that the improvement to be constructed does not violate any law or private agreement relating to permissible or prohibited locations for such improvements. This building permit does not authorize any illegal location of any improvement or the violation of any private agreement relating to location of improvements.

I certify that I have read this application and state that all information is correct. I agree to comply with all city and county ordinances and state laws relating to building construction and hereby authorize representative(s) of this city to enter upon the abovementioned property for inspection purposes.

Date 11-9-17 Applicant/Agent Signature [Signature]

WORKER'S COMPENSATION DECLARATION: I hereby affirm under penalty of perjury one of the following declarations:

I have and will maintain a certificate of consent to self-insure for workers' compensation as provided for by Section 3700 of the Labor Code, for the performance of work for which the permit is issued.

I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:

Carrier _____ Policy Number _____ Exp Date _____

(This section need not be completed if the permit is for \$100 or less) I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date 11-9-17 Applicant Signature [Signature]

WARNING - FAILURE TO SECURE WORKER'S COMPENSATION COVERAGE IS UNLAWFUL AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS (\$100,000) IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST AND ATTORNEY'S FEE.

THIS PERMIT SHALL EXPIRE BY LIMITATION IF WORK IS NOT COMMENCED WITHIN 180 DAYS.

LIND & ASSOCIATES

Post Office Box 1633
Folsom, CA 95763

consulting engineers

Phone 916-985-0577
Pager 916-981-9800

engineering & contractor services - inspection- environmental assessment

December 15, 1999

Sacramento City Building Dept.
Building Inspection Division

RE: 882 Shore Breeze Drive Repairs, Permit No. 9911622, Area 2
11/20/99 Correction Notice Engineer Responses

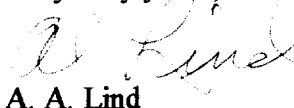
Gentlemen:

This home was built in 1989 and is being repaired due the discovered construction defects. I have performed structural calculations, recommended and provided retrofit details and City approved plans, and doing structural observations as the work proceeds. Following are my responses to the 11/20 notice.

1. The original construction did not include rear wall shear ply or holdowns. These are being added now per the City repair permit. I checked with Simpson Strong-Tie engineering division, and was told that lag screws would be acceptable where thru bolts were not possible. I approve the use of lag screws where necessary.
2. Simpson Epoxy grouted 5/8" all-threads are used for the foundation HD anchor bolt. The all-thread capacity is nearly double the calculated uplift or pullout load. I approve the grouted all-thread installations.

Please page me at 981-9800 should you have any questions on the above responses to the 11/20 correction notice.

Very truly yours,


A. A. Lind

Cc: Carrera Construction
File: Eng.CL1



ET EPOXY-TIE ADHESIVE AND STRONG-TIE ANCHORS



Request our Anchoring Systems Catalog for complete information.

Epoxy-Tie ET is a two-component, 100% solid epoxy based adhesive for use as a high strength, non-shrink anchor grouting material. Resin and hardener are dispensed and mixed simultaneously through the mixing nozzle. ET meets the ASTM C-881-90 specification for Type I, II, IV and V Grade 3, Class B and C.

APPLICATION:

- Surfaces to receive epoxy must be clean dry. Epoxy should not be installed in or through standing water.
- The base material temperature must be 40° F or above at the time of installation. For best results, material should be 70° F - 80° F at the time of application.
- Cartridges should not be immersed in water to facilitate warming. To warm cold material, the cartridges should be stored in a warm, uniformly heated area or storage container for a sufficient time to allow epoxy to warm completely.
- Mixed material in nozzle will harden in 7 - 10 minutes at a temperature of 40° F or above.

CODES: ICBO 4945, SBCCI 94145, City of L.A. RR25185, RR25120

Our comprehensive Mechanical Anchor line offers load-rated connections for different materials:

- hollow concrete block
- grout-filled concrete block
- solid brick
- hollow brick
- concrete

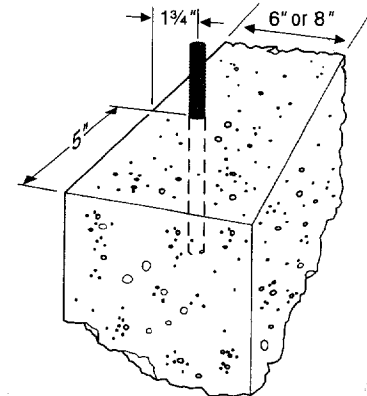


ET22 and ET56

Loads for Threaded Rod Anchors in Concrete

Stud Dia	Drill Bit Dia	Embed Depth	Spacing	Edge Dist	Tension Loads (lbs)			
					Based on Bond Strength		Based on Steel Strength	
					f'c ≥ 2000 psi		A307 (SAE 1018)	A307 (SAE 1018)
					Ultimate Load	Allowable Load ¹	Allowable Load	Allowable Load
5/8	3/4	3 1/2	6 1/2	5 1/4	8776	2195	2105	1085
5/8	3/4	4 1/4	7 1/2	6 1/2	15368	3840	3750	1930
5/8	3/4	5	8 3/4	7 1/2	22876	5720	5875	3025
5/8	3/4	6 1/4	12	10 1/2	35460	8865	8460	4360
5/8	1	7 3/4	13 1/2	11 1/2	43596	10900	11500	5925
1	1 1/8	9	15 1/4	13 1/2	47332	11835	15025	7740

1. Allowable loads are based on a 4 times factor of safety.
2. Allowable load is the lesser of the load based on bond strength, connector or steel strength.



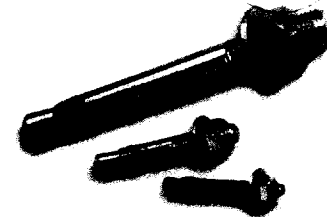
Edge and end distances for threaded rod in concrete stemwall corner installation

Tension Loads for Threaded Rod Anchors in Concrete Foundation Stemwall Installation

Stud Dia	Drill Bit Dia	Min Embed	Min Wall Thickness	Min Edge Dist	Min End Dist	Avg Ult Tension	Allowable Tension Load f'c ≥ 2000 psi
5/8	3/4	9 1/2	6	1 1/4	5	10720	2680
5/8	3/4	12	6	1 1/4	5	16160	4040
5/8	1	12 1/2	8	1 1/4	5	17000	4250
5/8	1	15 1/2	8	1 1/4	5	23340	5835

Model No	Min Edge Distance	Compatible Products
WA50334	5	FAP, FA6, FA8, HFA6, HFA8, FJA, FSA, ABA44, ABA44R, ABE44, ABE44R, AB series
WA62312	6 1/2	ABU44, ABU46, ABU66, ABE46, ABE46R, ABE66, ABE66R, ABA46, ABA46R, ABA66, ABA66R

1. Minimum concrete thickness is 4".
2. Maximum anchor uplift load is 1130 lbs in 2000 psi or 2150 lbs in 4000 psi for all ABU's.



Mechanical Wedge Anchors

Catalog C-99 © Copyright 1998 SIMPSON STRONG-TIE CO. INC.

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RE: 882 Shore Breeze Drive Repairs, Permit No. 9911622, Area 2
12/2/99 Correction Notice Engineer Responses

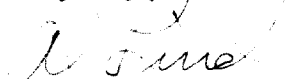
Gentlemen:

This is my second construction defects repairs letter. I have performed structural calculations, recommended and provided retrofit details and City approved plans, and I am now doing structural observations as the work proceeds. Following are my responses to the 12/2 notice.

1. The split 2x corner stud has been replaced. I have visited the site and approve the fireplace wall corner holdown installation.
2. The previous correction notice was responded to by separate letter (see 11/20/99 response letter also dated 12/15/99).

Please page me at 981-9800 should you have any questions on the above responses to the ~~11/20~~ 12/2 correction notice.

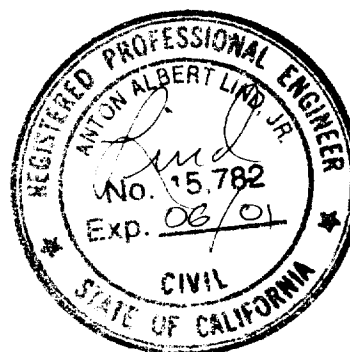
Very truly yours,



A. A. Lind

Attachment: Correction Notice

Cc: Carrera Construction
File: Eng.CL1



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December 15, 1999

Sacramento City Building Dept.
Building Inspection Division

RE: 882 Shore Breeze Drive Repairs, Permit No. 9911622, Area 2
12/8/99 Correction Notice Engineer Responses

Gentlemen:

This is my third construction defects repairs letter. As noted previously, I have performed structural calculations, recommended and provided retrofit details and City approved plans, and I am now doing structural observations as the work proceeds. Following are my responses to the 12/8 notice.

1. Nailing with 2-16d at 12" o. c. is acceptable to fasten the two studs together. Also the HD bolts, nailed ply shear panels, and corner stud nailing provide additional strength.
2. One full length and one trimmer (minimum) under headers are sufficient to transfer uplift from the HD to the wall framing and shear panels. The trimmer and stud should be nailed as noted in Item 1 above. A TP411 (tie plate) could also be added to connect the studs to the header.
3. The HD at the rear southeast corner is acceptable. Because of the existing window and HVAC plenum location, it is not possible to install a HD in the panel opposite the corner HD. Since this is an interior HD, and there are already seven HDs on the rear wall, I approve no HD at the plenum inside panel. Wider ply shearwall panels will be installed between the kitchen windows.

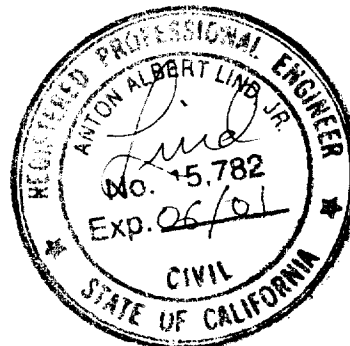
Please page me at 981-9800 should you have any questions on the above responses to the 12/8 correction notice.

Very truly yours,


A. A. Lind

Attachment: Correction Notice

Cc: Carrera Construction
File: Eng.CL3



TA STAIRCASE ANGLES

For use in structurally-sound staircase framing. The TA eliminates costly conventional notching.

MATERIAL: 12 gauge
FINISH: Galvanized

Model No.	Fasteners		Avg Ult	Allowable Download (100)
	Stringer	Tread		
TA9	3- SDS $\frac{3}{4}$ " x 1 $\frac{1}{2}$ "	2- SDS $\frac{3}{4}$ " x 1 $\frac{1}{2}$ "	5400	315
TA10	3- SDS $\frac{3}{4}$ " x 1 $\frac{1}{2}$ "	4- SDS $\frac{3}{4}$ " x 1 $\frac{1}{2}$ "	5400	315
TA10	4- SDS $\frac{3}{4}$ " x 1 $\frac{1}{2}$ "	3- SDS $\frac{3}{4}$ " x 1 $\frac{1}{2}$ "	5400	415

1. Loads may be adjusted for other load durations according to the code.
2. See page 12 for SDS information.
3. $\frac{3}{4}$ " lag bolts may be used. Follow the code requirements for predrilling.

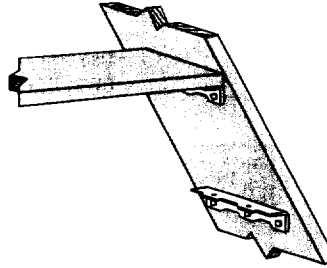
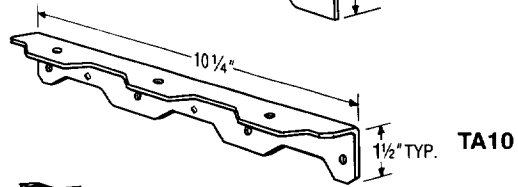
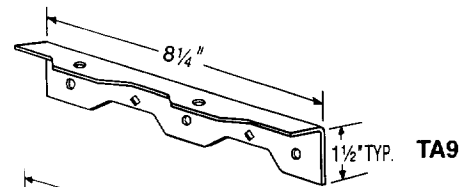
HL HEAVY ANGLES AND GUSSETS

Versatile angle gussets and heavy angles promote standardization and construction economy, and are compatible with Strong-Tie structural hardware.

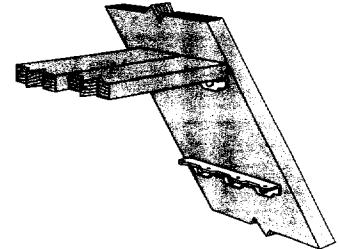
FINISH: HL33,35, 37, 53, 55 are galvanized; others Simpson gray paint.

OPTIONS: Gussets may be added to HL models when L \geq 5"
(specify G after model number, as in HL46G).

Model No.	Ga	Dimensions						Bolts (Total)	
		W ₁ & W ₂	L	D ₁	D ₂	D ₃	D ₄	Qty	Dia
HL33	7	3 $\frac{3}{4}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$	—	2	—	2	$\frac{5}{8}$
HL35	7	3 $\frac{3}{4}$	5	1 $\frac{1}{4}$	2 $\frac{1}{2}$	2	—	4	$\frac{5}{8}$
HL53	7	5 $\frac{3}{4}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$	—	2	2 $\frac{1}{2}$	4	$\frac{5}{8}$
HL55	7	5 $\frac{3}{4}$	5	1 $\frac{1}{4}$	2 $\frac{1}{2}$	2	2 $\frac{1}{2}$	8	$\frac{5}{8}$
HL43	3	4 $\frac{1}{2}$	3	1 $\frac{1}{2}$	—	2 $\frac{3}{4}$	—	2	$\frac{3}{4}$
HL46	3	4 $\frac{1}{2}$	6	1 $\frac{1}{2}$	3	2 $\frac{3}{4}$	—	4	$\frac{3}{4}$
HL73	3	7 $\frac{1}{2}$	3	1 $\frac{1}{2}$	—	2 $\frac{3}{4}$	3	4	$\frac{3}{4}$
HL76	3	7 $\frac{1}{2}$	6	1 $\frac{1}{2}$	3	2 $\frac{3}{4}$	3	8	$\frac{3}{4}$

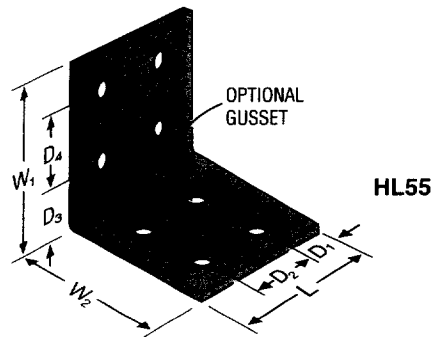


Typical TA9 Installation



Alternate Installation of TA10 Inverted for Double 2x6 Treads

U.S. Patent
4,367,973



TP/TPA TIE PLATES

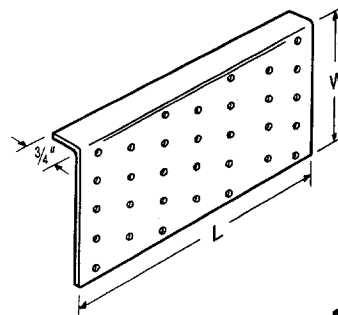
Ties are nail-on tie plates. TPAs are flanged for added support.

MATERIAL: 20 gauge

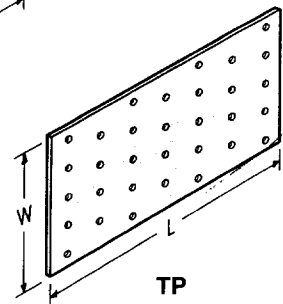
FINISH: Galvanized

INSTALLATION: Holes are sized for 8d common or 8dx1 $\frac{1}{2}$ " nails.

Model No.	Dimensions		Number of Nail Holes
	W	L	
TP15	1 $\frac{3}{16}$	5	13
TPA37	3 $\frac{1}{2}$	7	32
TPA39	3 $\frac{1}{2}$	9	41
TP35	3 $\frac{1}{8}$	5	23
TP37	3 $\frac{1}{8}$	7	32
TP39	3 $\frac{1}{8}$	9	41
TP311	3 $\frac{1}{8}$	11	50
TP45	4 $\frac{1}{8}$	5	30
TP47	4 $\frac{1}{8}$	7	42
TP49	4 $\frac{1}{8}$	9	54
TP411	4 $\frac{1}{8}$	11	66
TP57	5 $\frac{1}{4}$	7	60
TPA57	5	7	49



TPA



TP

MP MENDING PLATES

Versatile and easy-to-use mending plates for wood-to-wood connections. No nails or notching of wood required. For non-structural applications only; and not for truss applications.

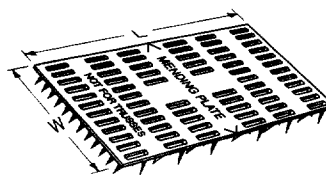
MATERIAL: 20 gauge

FINISH: Galvanized

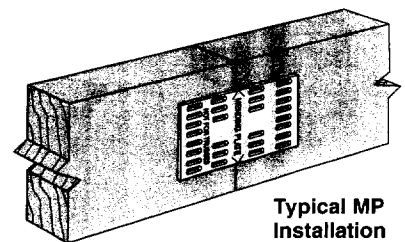
INSTALLATION:

- Place plate over two pieces of aligned wood with arrows aligned at joint.
- Hammer the plate to embed the prongs.

Model No.	Dimensions	
	W	L
MP14	1	4
MP24	2	4
MP36	3	6



MP36 (other sizes similar)



Typical MP Installation