COUNTY OF LOS ANGELES
DEPARTMENT OF PUBLIC WORKS
BUILDING AND SAFETY / LAND DEVELOPMENT

LOMITA/LENNOX
24320 NARBONNE
LOMITA CA
PHONE: (310) 534-3760 EXT:

1200

BUILDING PERMIT
RETAINING WALL
BL 1200 9801270039

LEGAL ID:
TR: 3020

ASSESSOR INFORMATION NUMBER:
7407-016-004

TENANT:
STEWART FILMSCREEN CORPORATION

OWNER: TEL. NO:
PHILLIPS ROSS S TRS (310) 395-4969-
609 16TH ST
SANM 904023003

APPLICANT: TEL. NO:
SAME AS OWNER -

CONTRACTOR: TEL. NO:
SAME AS OWNER -
LIC. NO

ARCHITECT OR ENGINEER: TEL. NO:
FRAULINO, CRAIG W (310) 306-7751-
341 CULVER BLVD LIC. NO:
PLAYA DEL REY CA 90293 C24320

MAP NO: SEWER MAP BOOK: PAGE: FIRE ZONE: CMP:
XX 00

NO. OF FAMILIES: DWELLING UNITS: APT/COND: STAT CLASS:
NO 20

AIR QUALITY: SCHOOL WITHIN 1000 FEET: HAZARDOUS MATERIALS:
NO NO NO

TOTAL HEIGHT: 4 FT
RETAINING HEIGHT: 3 FT
WALL LENGTH: 300 FT

EXIST BLDG USE: USE ZONE: XX
EXIST OCC GRP:

BLDGS. NOW ON LOT: VALUATION:
4,000

FEES PAID

FEE DESCRIPTION:	QUANTITY:	UOM:	AMOUNT:
AA BLDG PERMIT ISSUANCE			18.70
AE STRONG MOTION OTHER	4000.00	VAL	0.84
A6 PLAN MAINTENANCE FEE	4000.00	VAL	6.80
D1 PLANCHECK W/O EN-HC	4000.00	VAL	66.55
D2 PERMIT W/O EN-HC	4000.00	VAL	78.30
	TOTAL FEES		171.19

REPORT ID: DPR261 ROUTE TO: BS1200

BUILDING ADDRESS:
23234 23236 MARIPOSA AV
TORR CA 905022609
NEAREST CROSS STREET: SEPULVEDA BLVD.
THOMAS PAGE: 794 GRID: A1 LOCALITY: TORRANCE

ISSUED ON: 01/27/98 PROCESSED BY: SH EXPIRES ON: 01/27/99

FINAL DATE: 5/13/98 FINAL BY: Woodl CODE:

DESCRIPTION OF WORK
RETAINING WALL @ PRKG LOT 300 LIN.FT. MAX 4' HIGH/900 SQ.FT.

SPECIAL CONDITIONS:

APPROVALS	DATE	INSPECTOR SIGNATURE
LOCATION AND SETBACKS		
SOILS ENGINEER APPROVAL		
FOUND/TRENCH FORMS	1-27-98	Woodl
FORMS/GROUT LIFT		
2ND GROUT LIFT		
3RD GROUT LIFT		
WALL DRAIN		
BACKFILL COMPACTION		
SURFACE DRAINAGE		

LICENSED CONTRACTOR'S 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 _____ Lic. No. _____

Contractor's Signature _____ Date _____

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 3 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).):

☐ I am exempt under Sec. _____ , B.& P.C. for this reason:

_____

_____

[Electrical, Plumbing & Sewer Permits Only]

☐ I, as owner of the property, will do the work, and the structure is not intended or offered for sale (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 does such work himself or herself, 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 or she did not build or improve for the purpose of sale.).

[All Other Permits]

☐ I, as 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 Professions 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 or 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 or 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.).

Owner Signature _____ Date 1/27/98

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 worker's compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

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

Carrier _____

Policy Number _____

☐ 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 worker's compensation laws of California, and agree that if I should become subject to the worker's compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Applicant Signature _____ Date 1/27/98

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 FEES.

LOBBYIST ORDINANCE CERTIFICATION

[Complete this section for permits in unincorporated Los Angeles County only]

This is to certify that I, as permit applicant, am familiar with the requirements of Los Angeles County Code Chapter 2.160 et seq., (relating to the Los Angeles County Lobbyist Ordinance) and that all persons acting on behalf of myself complied and will continue to comply therewith through the application process.

Applicant (Print Name) Craig W. Franklin Applicant Signature

Craig Franklin Architects Company Name (if employed by an entity/agency) Date 1/27/98

JOB ADDRESS 23234-6 Mariposa Avenue

LOCALITY Torrance, CA 90502

HAZARDOUS MATERIAL DECLARATION

Will the applicant or future building occupant handle a hazardous material or a mixture containing a hazardous material equal to or greater than the amount specified on the hazardous materials information guide?

Yes ☐ No ☐

Will the intended use of the building by the applicant or future building occupant require a permit for construction or modification from the South Coast Air Quality Management District (SCAQMD)? See permitting checklist for guidelines.

Yes ☐ No ☐

I have read the hazardous materials information guide and the SCAQMD permitting checklist, I understand my requirements under the Los Angeles County Code Title 2, Chapter 220 Sections 220.100 through 220.140 concerning hazardous material reporting and for obtaining a permit from the SCAQMD.

ASBESTOS NOTIFICATION

☐ Notification letter sent to SCAQMD or EPA

☐ I declare that notification of asbestos removal is not applicable to addressed project.

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 _____

I certify that I have read this application and state under the penalty of perjury that the above information is correct. I agree to comply with all City and County ordinances and State laws relating to building construction, and hereby authorize representatives of this County to enter upon the above-mentioned property for inspection purposes.

Applicant or Agent Signature _____ **Date** 1/27/98

Stewart
Filmscreen Corporation®

1161 West Sepulveda Boulevard
Torrance, CA 90502
U.S.A.

Tel: (310) 784-5300 Toll Free: (800) 762-4999
Fax: (310) 326-6870 E-Mail: stewfilm@ix.netcom.com

BL98012700039

January 23, 1998

We are the owners of the property legally described as 23236 Mariposa Ave., Torrance, California, a 9,900 sq. ft. multi-tenant industrial building with 42,400 sq. ft. of land. The assessor's parcel number for this property is APN 7407-16-2,3,4,29.

We hereby authorize the following person to act on our behalf to sign and submit the necessary applications, document and fees as provided by the Los Angeles Country Code.

Craig Fraulino

Owner:

By _____ Thomas E. Stewart Vice President

Stewart - Ohio
3919 Bach-Buxton Road
Amelia, OH 45102
U.S.A.
Tel: (513) 753-0800
Fax: (513) 753-0854

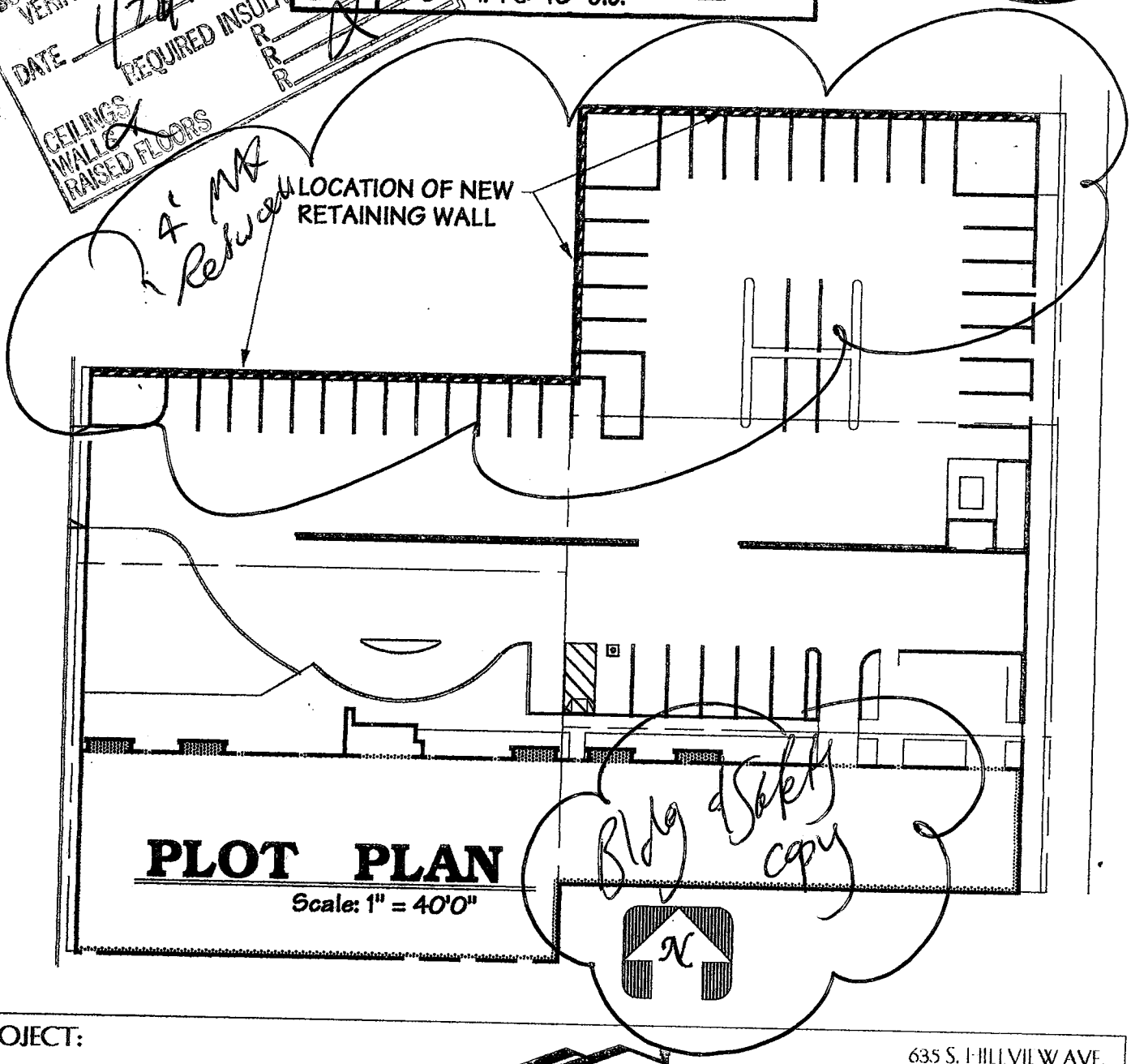
Stewart - Europe
Vestre Gade 6-E, Broendbyoester
Hvidovre, DK-2650
Denmark
Tel: +45 3 648 2204
Fax: +45 3 648 2299

Stewart - Asia
Far East Asia Branch
118A Tanjong Pagar Road
Singapore 088531
Tel: +65 222 1165
Fax: +65 222 1325

RETAINING WALL SCHEDULE A			
HT			
h	w	X	Y
4'-0"	3'-6"	#4 @ 48" o.c.	#4 @ 48" o.c.
3'-0"	2'-3"	#4 @ 48" o.c.	—
2'-0"	1'-6"	#4 @ 48" o.c.	—

SITE PLAN APPROVED
BASED ON REVIEW OF INFORMATION SUBMITTED AND IS CONDITIONAL VERIFIED BY THE FIELD INSPECTOR
DATE 1/28/98 BY
REQUIRED INSULATION
R
R
R
CEILINGS
WALLS
RAISED FLOORS

REGISTERED PROFESSIONAL ENGINEER
No. C43117
Exp. 3/31/00
CIVIL
STATE OF CALIFORNIA



PLOT PLAN

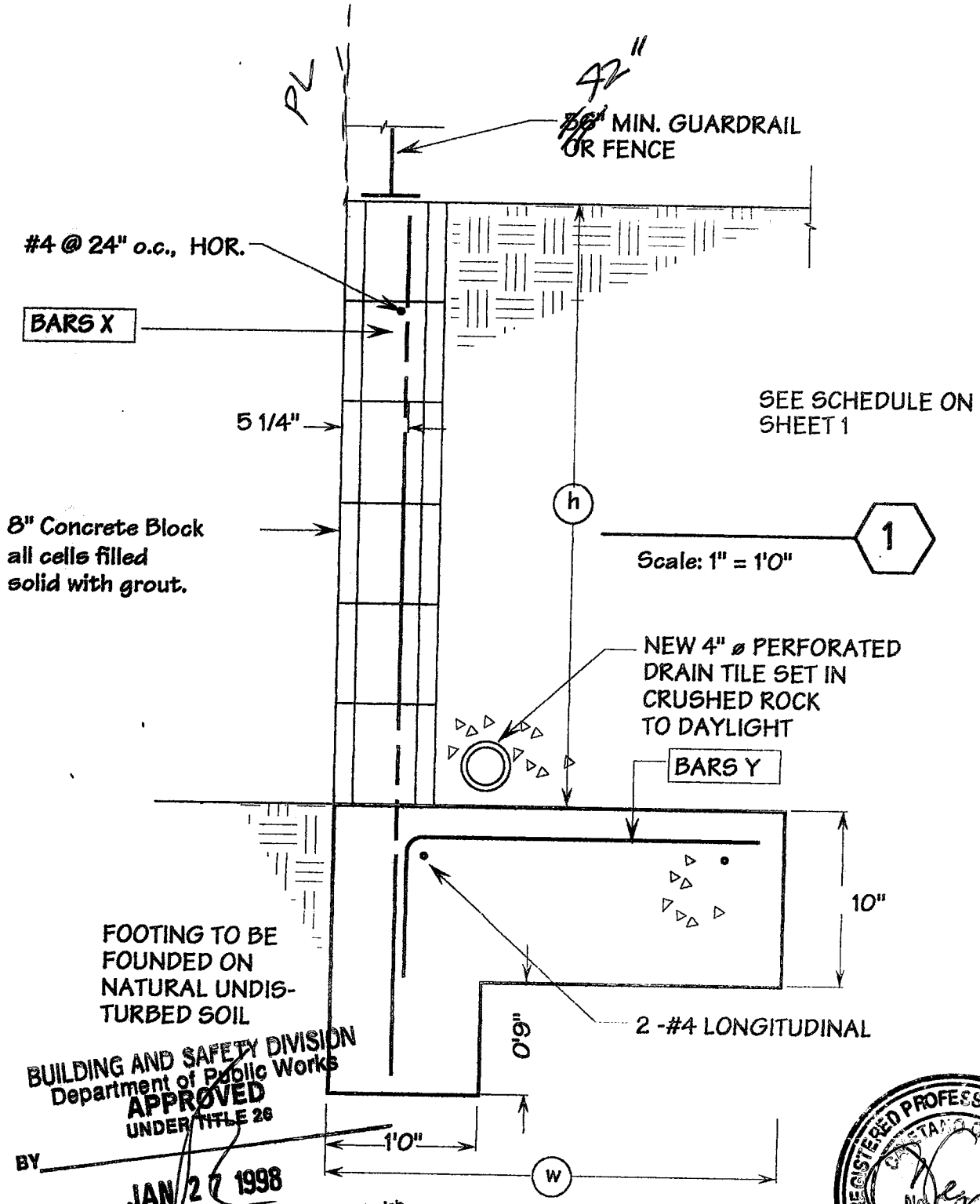
Scale: 1" = 40'0"

PROJECT:

NEW RETAINING WALLS
23234-26 MARIPOSA A
TORRANCE, CA 90502

VEGA ENGINEERING
LIC. NO. C43117

635 S. HILLVIEW AVE.
LOS ANGELES, CA 90022
(213) 721-1830
FAX(213) 721-5542



BUILDING AND SAFETY DIVISION
Department of Public Works
APPROVED
UNDER TITLE 26
BY
JAN 27 1998

This set of plans and specifications MUST be kept on the job at all times and it is unlawful to make any changes of alterations on same without written permission from the Division of Building and Safety, County of Los Angeles. The stamping of the plan and specifications SHALL NOT be held to permit or to be an approval of the violation of any provisions of any County Ordinance of State Law.

REGISTERED PROFESSIONAL ENGINEER
CAYETANO Q. VEGA
No. C 43117
Exp. 3/31/00
CIVIL
STATE OF CALIFORNIA

PROJECT:

NEW RETAINING WALLS
23234-26 MARIPOSA A
TORRANCE, CA 90502

VEGA ENGINEERING
LIC. NO. C43117
635 S. HILLVIEW AVE.
LOS ANGELES, CA 90022
(213) 721-1830
FAX(213) 721-5542

MATERIAL SPECIFICATIONS

Concrete

1. All concrete shall be 150 pcf density and shall attain a minimum compressible strength at 28 days on 2500 psi.
2. Cement shall be type I or II Portland Cement per A.S.T.M. C-150. Maximum water content 7.5 gallons per sack of cement.
3. Maximum aggregate size shall be 1-1/2".
4. All concrete work shall conform to the ACI 318 requirements for reinforced concrete and the ACI 301 specifications and any applicable modifications as noted in these drawings and specifications.

Reinforcing

1. All reinforcing shall be intermediate grade, new billet steel, free from bends or kinks except as detailed, and shall conform to A.S.T.M. A-615-68, grade 60. Provide minimum cover over reinforcing as follows:
   a. Concrete against earth, unformed: 3"
   b. Concrete against earth, formed: 2"
2. Lap all reinforcing 30 diameters in concrete and 40 diameters in concrete block or 24 " minimum (concrete or block).

Masonry

1. All concrete block shall be grade "A" load bearing units conforming to A.S.T.M. C-190, latest revision.
2. Mortar mix shall be one part cement, 3-1/2 parts sand and a maximum of 1/4 part lime putty, or dry hydrated lime.
3. Mortar joints shall be a minimum of 3/8" and shall be full head and bed.
4. Grout mix shall be 1 part cement, 3 parts sand, 2 parts pea gravel, and sufficient water to cause the grout to flow without segregation. Minimum compressive strength shall be 2000 psi. in 28 days.

REGISTERED PROFESSIONAL ENGINEER
CAYETANO G. VEGA
No. C 42117
Exp. 3/31/00
CIVIL
STATE OF CALIFORNIA

Vega Engineering
635 So. Hillview Avenue
Los Angeles, CA 90022
(213) 721-1830es

Title: Grading Plan
Descr: 4' R/W @ Parking Lot
Page of
Job #: 97SEPU02 By:C VEGA Date: 11/18/97
RetainPro 3.1C(c)1995 File:RETAINPR.RPF

CANTILEVERED RETAINING WALL DESIGN

SOIL DATA

Allowable Bearing	=	1,000 psf
Active Lateral EFP	=	30.0 psf
....Slope Active	=	0.0 psf
..Limit EFP	=	N/A psf
Bkfill Slope(0=level)	=	0.0:1
Passive Lateral	=	100 pcf
Soil Density	=	110.0 pcf
Soil Ht over Toe	=	0.0 in

ADDED LATERAL LOADS

Lateral Load Acting On Stem Above Soil	=	0.00 psf
Add'l Lateral Load	=	0.0 plf
...height to stop	=	0.00 ft
...height to start	=	0.00 ft

ADDED VERTICAL LOADS

Axial DL on Stem	=	0 plf
Axial LL on Stem	=	0 plf
..Ecc Left of Stem CL	=	0.00 in
Surcharge over Toe	=	0.0 psf
Surcharge over Heel	=	50.0 psf
Using Surcharge to resist overturning @ Heel	:	Yes
@ Toe	:	Yes

ADJACENT FOOTING

Vertical load	=	0 plf
...Ecc. (Toe side +)	=	0.00 in
Footing Width (perp)	=	0.00 ft
Face Top Stem to Ftg. CL	=	0.00 ft
Ftg. Base Above/Below Soil At Wall Face [+/-]	=	0.00 ft
Footing Type	:	Line

WALL & FOOTING DATA

Retained Height	=	4.00 ft	Toe Width	=	0.00 ft
Wall Ht. above soil	=	0.00 ft	Heel Width	=	3.50 ft
Total Wall Height	=	4.00 ft			
Key Depth	=	12.00 in	Total Width	=	3.50 ft
Key Width	=	12.00 in	Thickness	=	10.00 in
Key Dist. to Toe	=	0.000 ft			

SUMMARY

Pressure @ Toe	=	1,088 psf			
Pressure @ Heel	=	219 psf	F.S.: Overturning	=	5.32
Allowable Press.	=	1,000 psf	F.S.: Sliding	=	1.82
Eccentricity	=	4.66 in	Allowable Shear	=	85.00 psi
			1-Way Shear @ Toe	=	0.0 psi
Note: Pv Not Used for Soil Pres.			1-Way Shear @ Heel	=	2.4 psi

REGISTERED PROFESSIONAL ENGINEER CRISTANO C. VEGA 11/18/97 exp. 3/31/00 STATE OF CALIFORNIA

SLIDING CHECK

Ftg/Soil Friction	=	0.250	Tot Lateral Force*1.5	=	608.9 #
Soil @ Toe Not Used	=	0.00 in	(-)Passive Pressure	=	168.1 #
Factor of Safety	=	1.82	(-)Friction	=	572.0 #
			Add'l Force Req'd	=	0.0 #

FOOTING DESIGN

(Using ACI Factors)		Toe	Heel			
ACI 9.1 Pressure	=	1,524	306 psf	f'c	=	2,500 psi
Mu - Upward	=	0	0 ft-#	Fy	=	60,000 psi
				Upward soil pres. used on heel		
Mu - Downward	=	0	0 ft-#			
Mu - Design	=	0	729 ft-#			
One-Way Shear:			Mu=Stem!			
vu	=	0.00	2.42 psi			
vn=2(f'c)1/2*.85	=	0.00	85.00 psi			
Rebar CL To Edge	=	3.00	2.00 in			
Depth to steel	=	6.50	7.50 in			
Ru = Mu/bd^2	=	0.0	0.0			
Min. Rebar Ratio	=	0.0018				

Rebar Choices

	Toe(bot)	Heel(top)
#4	@Not Reqd in	Not Reqd in
#5	@Not Reqd in	Not Reqd in
#6	@Not Reqd in	Not Reqd in
#7	@Not Reqd in	Not Reqd in
#8	@Not Reqd in	Not Reqd in
#9	@Not Reqd in	Not Reqd in
#10	@Not Reqd in	Not Reqd in

Vega Engineering
635 So. Hillview Avenue
Los Angeles, CA 90022
(213) 721-1830es

Title: Grading Plan
Descr: 4' R/W @ Parking Lot

Job #: 97SEPU02 By:C VEGA Date: 11/18/97
RetainPro 3.1C(c)1995 File:RETAINPR.RPF

STEM DESIGN

(Values shown for concrete stems have been factored)

Stem Construction Data		Descending Stem Sections, Highest @ Left (use columns from left to right) Highest	
DESIGN HT. ABOVE FTG.	=	0.00	ft
WALL TYPE ABOVE HT.	:	Masonry	
Thickness (nominal)	=	8.00	in
Rebar Size	=	# 4	
Rebar Spacing	=	40.00	in
Rebar Placed at	:	Edge	
DESIGN DATA.....			
fb/Fb + fa/Fa	=	0.729	
Lateral Load @ Design Ht	=	295	#
MOMENT..... Actual	=	429	ft-#
Allowable	=	588	ft-#
SHEAR..... Actual	=	4.98	psi
Allowable	=	19.36	psi
Embedment Length Req'd	=	6.13	psf
Wall Weight	=	78.0	in
Rebar Placed at Depth 'd'	=	5.25	
MASONRY DATA.....			
f'm	=	1,500	psi
Fs	=	24,000	psi
Grouting	:	Full	
Special Inspection	:	No	
n : Es / Em	=	25.78	
Short Term Increase	=	1.00	
CONCRETE DATA.....			
f'c	=		psi
Fy	=		psi

SUMMARY OF FORCES & MOMENTS

Origin of Force:		Overturning #	Overturning ft	Overturning ft-#	Resisting #	Resisting ft	Resisting ft-#
Heel Active Press.	=	416	1.74	724			
Soil over Heel	=				1,247	2.08	2,597
Toe Active Press.	=	-10	0.28	-3			
Soil over Toe	=				0	0.00	0
Sloped Soil @ Heel	=				0	0.00	0
Adjacent Ftg. Load	=	0	0.00	0	0	0.00	0
Surcharge @ Heel	=				142	2.08	295
Surcharge @ Toe	=	0	0.00	0	0	0.00	0
Axial Load on Wall	=			0	0	0.00	0
Load @ Proj. Wall	=	0	0.00	0			
Averaged Stem Wts.	=				312	0.33	104
Earth Behind Stem	=				0	0.00	0
Added Lateral Load	=	0	0.00	0			
Footing Weight	=				437	1.75	766
Key Weight	=				150	0.50	75
Vert. Componant of Active Press.	=				0	0.00	0
TOTALS	=	406		721	2,288		3,837
Totals used for Soil Pressure, Pv Not Included	=				2,288		3,837

Vega Engineering
636 So. Hillview Avenue
Los Angeles, CA 90022
(213) 721-1830es

Title: Grading plan
Descr: 3' R/W @ PARKING LOT
Page of
Job #: 97SEPU02 By:C VEGA Date: 11/18/97
RetainPro 3.1C(c)1995 File:RETAINPR.RPF

CANTILEVERED RETAINING WALL DESIGN

SOIL DATA

Allowable Bearing	=	1,000 psf
Active Lateral EFP	=	30.0 psf
....Slope Active	=	0.0 psf
..Limit EFP	=	N/A psf
Bkfill Slope(0=level)	=	0.0:1
Passive Lateral	=	100 pcf
Soil Density	=	110.0 pcf
Soil Ht over Toe	=	0.0 in

ADDED LATERAL LOADS

Lateral Load Acting On Stem Above Soil	=	0.00 psf
Add'l Lateral Load	=	0.0 plf
...height to stop	=	0.00 ft
...height to start	=	0.00 ft

ADDED VERTICAL LOADS

Axial DL on Stem	=	0 plf
Axial LL on Stem	=	0 plf
..Ecc Left of Stem CL	=	0.00 in
Surcharge over Toe	=	0.0 psf
Surcharge over Heel	=	50.0 psf
Using Surcharge to resist overturning @ Heel	:	Yes
@ Toe	:	Yes

ADJACENT FOOTING

Vertical load	=	0 plf
...Ecc. (Toe side +)	=	0.00 in
Footing Width (perp)	=	0.00 ft
Face Top Stem to Ftg. CL	=	0.00 ft
Ftg. Base Above/Below Soil At Wall Face [+/-]	=	0.00 ft
Footing Type	:	Line

WALL & FOOTING DATA

Retained Height	=	3.00 ft	Toe Width	=	0.00 ft
Wall Ht. above soil	=	0.00 ft	Heel Width	=	2.25 ft
Total Wall Height	=	3.00 ft			
Key Depth	=	9.00 in	Total Width	=	2.25 ft
Key Width	=	12.00 in	Thickness	=	10.00 in
Key Dist. to Toe	=	0.000 ft			

SUMMARY

Pressure @ Toe	=	1,061 psf			
Pressure @ Heel	=	32 psf	F.S.: Overturning	=	3.50 :1
Allowable Press.	=	1,000 psf	F.S.: Sliding	=	1.65 :1
Eccentricity	=	4.24 in	Allowable Shear	=	85.00 psi
			1-Way Shear @ Toe	=	0.0 psi
Note: Pv Not Used for Soil Pres.			1-Way Shear @ Heel	=	3.0 psi

SLIDING CHECK

Ftg/Soil Friction	=	0.250	Tot Lateral Force*1.5	=	393.4 #
Soil @ Toe Not Used	=	0.00 in	(-)Passive Pressure	=	125.3 #
Factor of Safety	=	1.65	(-)Friction	=	307.4 #
			Add'l Force Req'd	=	0.0 #

FOOTING DESIGN

(Using ACI Factors)	Toe	Heel			
ACI 9.1 Pressure =	1,485	45 psf	f'c	=	2,500 psi
Mu - Upward =	0	0 ft-#	Fy	=	60,000 psi
			Upward soil pres. used on heel		
Mu - Downward =	0	0 ft-#			
Mu - Design =	0	334 ft-#			
One-Way Shear:		Mu=Stem!			
vu =	0.00	3.00 psi			
vn=2(f'c)1/2*.85=	0.00	85.00 psi			
Rebar CL To Edge =	3.00	2.00 in			
Depth to steel =	6.50	7.50 in			
Ru = Mu/bd^2 =	0.0	0.0			
Min. Rebar Ratio =	0.0018				

Rebar Choices

	Toe(bot)	Heel(top)
#4	@Not Reqd in	Not Reqd in
#5	@Not Reqd in	Not Reqd in
#6	@Not Reqd in	Not Reqd in
#7	@Not Reqd in	Not Reqd in
#8	@Not Reqd in	Not Reqd in
#9	@Not Reqd in	Not Reqd in
#10	@Not Reqd in	Not Reqd in

Vega Engineering
636 So. Hillview Avenue
Los Angeles, CA 90022
(213) 721-1830es

Title: Grading plan
Descr: 3' R/W @ PARKING LOT

Job #: 97SEPU02 By:C VEGA Date: 11/18/97
RetainPro 3.1C(c)1995 File:RETAINPR.RPF

STEM DESIGN

(Values shown for concrete stems have been factored)

Stem Construction Data		Highest (Descending Stem Sections, Highest @ Left - use columns from left to right)	
DESIGN HT. ABOVE FTG.	=	0.00	ft
WALL TYPE ABOVE HT.	:	Masonry	
Thickness (nominal)	=	8.00	in
Rebar Size	=	# 4	
Rebar Spacing	=	48.00	in
Rebar Placed at	:	Edge	
DESIGN DATA.....			
fb/Fb + fa/Fa	=	0.398	
Lateral Load @ Design Ht	=	176	#
MOMENT..... Actual	=	196	ft-#
Allowable	=	493	ft-#
SHEAR..... Actual	=	2.96	psi
Allowable	=	19.36	psi
Embedment Length Req'd	=	6.00	
Wall Weight	=	78.0	psf
Rebar Placed at Depth 'd'	=	5.25	in
MASONRY DATA.....			
f'm	=	1,500	psi
Fs	=	24,000	psi
Grouting	:	Full	
Special Inspection	:	No	
n : Es / Em	=	25.78	
Short Term Increase	=	1.00	
CONCRETE DATA.....			
f'c	=		psi
Fy	=		psi

SUMMARY OF FORCES & MOMENTS

Origin of Force:		Overturning #	Overturning ft	Overturning ft-#	Resisting #	Resisting ft	Resisting ft-#
Heel Active Press.	=	273	1.40	382			
Soil over Heel	=				523	1.46	762
Toe Active Press.	=	-10	0.28	-3			
Soil over Toe	=				0	0.00	0
Sloped Soil @ Heel	=				0	0.00	0
Adjacent Ftg. Load	=	0	0.00	0	0	0.00	0
Surcharge @ Heel	=				79	1.46	115
Surcharge @ Toe	=	0	0.00	0	0	0.00	0
Axial Load on Wall	=			0	0	0.00	0
Load @ Proj. Wall	=	0	0.00	0			
Averaged Stem Wts.	=				234	0.33	78
Earth Behind Stem	=				0	0.00	0
Added Lateral Load	=	0	0.00	0			
Footing Weight	=				281	1.13	316
Key Weight	=				112	0.50	56
Vert. Componant of Active Press.	=				0	0.00	0
TOTALS	=	262		379	1,229		1,328
Totals used for Soil Pressure, Pv Not Included	=				1,229		1,328