

**CITY OF SACRAMENTO**

**1231 I Street, Sacramento, CA 95814**

**Permit No: 0113034**

**Site Address: 1689 ARDEN WY SAC**

**Parcel No: 277-0160-071**

**SUITE 2011**

**Insp Area: 4**

**Thos Bros:**

**Sub-Type: REM**

**Housing (Y/N): N**

**CONTRACTOR**

REEVE-KNIGHT CONSTRUCTION  
500 GUISEPPE CT #2  
RSVL CA

**OWNER**

ARDEN FAIR ASSOCIATES  
1689 ARDEN WAY #1167  
SACRAMENTO CA 95815

**ARCHITECT**

**Nature of Work: INSTALL NEW KIOSK/REMODEL**

**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 659107

Date 11/26/01

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 \_\_\_\_\_

**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 \_\_\_\_\_

Applicant/Agent Signature \_\_\_\_\_

**PAID**

**CITY OF SACRAMENTO**

**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 EXPLORER INSURANCE CO.

Policy Number WSA164161402

PLANNING  
DEVELOPMENT SERVICES  
Exp Date 01/19/2003

(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 11/26/01

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.**

# APPLICATION FOR COMMERCIAL BUILDING PERMIT

**CITY OF SACRAMENTO**  
**DEVELOPMENT SERVICES DIVISION**  
**PERMIT SERVICES SECTION**

1231 I Street, Rm. 200  
 Sacramento, CA 95814 (916) 264-7619 FAX 264-7046

ACTIVITY # <span style="font-size: 1.2em; margin-left: 100px;">0113034</span>	Insp. Area <span style="font-size: 1.2em; margin-left: 100px;">4C</span>
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Applicant **MUST** complete ALL Unshaded areas

ADDRESS 1689 Ardon Fair Mall #2011 Suite 2011  
 PARCEL # 277-0160-071

<p style="text-align: center;"><b>CONTACT</b></p> Name <u>Stacey Houe / Renee-Knight</u> Street Address <u>128 Ascot Dr.</u> City/State/Zip <u>Roseville, CA 95661</u> Phone <u>916-786-5112</u> FAX <u>916-786-5868</u> E-mail: _____	<p style="text-align: center;"><b>LICENSED CONTRACTOR</b> Lic No. # <u>659107</u></p> Name <u>Reeve-Knight Construction, Inc</u> Address <u>128 Ascot Dr.</u> City/State/Zip <u>Roseville, CA 95661</u> Phone <u>916-786-5112</u> FAX <u>916-786-5868</u> E-mail: _____
<p style="text-align: center;"><b>ARCHITECT/ENGINEER</b></p> Name <u>Courtland Morgan</u> Address <u>6910 Woodland Dr.</u> City/State/Zip <u>Dallas Texas 75225</u> Phone <u>214-368-3687</u> FAX _____ E-mail: _____	<p style="text-align: center;"><b>OWNER</b></p> Name _____ Address _____ City/State/Zip _____ Phone _____ FAX _____ E-mail: _____

→ Will permittee have any employees on the jobsite?  No  Yes → INSURANCE CO: \_\_\_\_\_  
 → WORKER'S COMPENSATION POLICY # \_\_\_\_\_ EXPIRATION DATE: \_\_\_\_\_

NATURE OF WORK IN DETAIL: Install new kitchen/remodel

OCCUPANT/TENANT: Toll House VALUATION: \$ 75,000.00

FLOOD STATUS:				S.C.A.T.						
JOB DESCRIPTION		BLDG	SHELL	APT	TI( )	REM( )	SW	FIRE	ADD	OTH
INSPECTION DISCIPLINES		<u>BLDG</u>	<u>MECH</u>	<u>PLUMB</u>	<u>ELEC</u>	SITE		<u>FIRE</u>		
# Stories	1st flr Area.	Total Area	Use Zone	Occp Group	Const type	Fire Req. <u>Y</u> /N		Fed Code	Vio. File	
<u>B</u>	<u>1</u>	<u>P</u>	<u>M</u>	<u>B</u>	<u>111/92</u>	<u>SPR</u>	ALARM	<u>18</u>	[H]	[Quad]
				<u>E</u>	<u>F</u>	S		<u>18</u>	PW	UTIL

COMMENTS: \_\_\_\_\_

REGIONAL SANITATION FEES?  Yes  No      HEALTH DEPARTMENT?  Yes  No

WATER FLOW TEST FOR NEW BUILDINGS OR ADDITIONS?  Provided  Faxed

CITY OF SACRAMENTO  
DEVELOPMENT SERVICES DIVISION

# EXPRESS PLAN REVIEW

SUBMITTAL DATES					
1st Review		2nd Review		3rd Review	
IN	OUT	IN	OUT	IN	OUT
10/11/01	/ /	/ /	/ /	/ /	/ /

PLAN CHECK NO. 113034

ADDRESS: 1000 N. W. Hwy. Sacramento

Commercial  Residential

ACCEPTED BY: [Signature]

DISCIPLINE	1ST REVIEW			2ND REVIEW			3RD REVIEW		
	Status	Staff	Date	Status	Staff	Date	Status	Staff	Date
MECHANICAL	3	JT	10/24/01						
STRUCTURAL	3	JT	"						
MECHANICAL PLUMBING	13	JNT	10/12	13	JNT	10/26			
ELECTRICAL	3	JM	10/12/01						
FIRE	03	JQQ	10/12/01	13	JQQ	10/31/01			
PLUMBING									

STAFF COMMENTS:

JNT - Can be issued with receipt of approved Health Dept. plans.

CITY OF SACRAMENTO  
DEVELOPMENT SERVICES DIVISION

# EXPRESS PLAN REVIEW

SUBMITTAL DATES					
First Review		2nd Review		3rd Review	
IN	OUT	IN	OUT	IN	OUT
/ /	/ /	/ /	/ /	/ /	/ /

PLAN CHECK # 3034  
 ADDRESS: 1234 1/2 ST WY # 201  
 Commercial  Residential

ACCEPTED by (ID):  
 \_\_\_\_\_

DISCIPLINE	1ST REVIEW			2ND REVIEW			3RD REVIEW		
	Status	Staff	Date	Status	Staff	Date	Status	Staff	Date
LI				13	JT	10/24/01			
STRUCTURAL				13	JT	"			
MECHANICAL/PLUMBING									
ELECTRICAL				3	AKR	10/24/01			
FIRE				03	AKR	10/24/01			
PLANNING									

STAFF COMMENTS:  
 FAX 786-5868

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OWNER-BUILDER VERIFICATION

ATTENTION PROPERTY OWNERS

An owner-builder building permit has been applied for in your name and bearing your signature.

Please complete and return this information in the envelope provided at your earliest opportunity to avoid unnecessary delay in processing and issuing your building permit. No building permit will be issued until this verification is received.

1. I personally plan to provide the major labor and materials for construction of the proposed Improvement (yes or no) \_\_\_\_\_
2. I (have/have not) \_\_\_\_\_ signed an application for A building permit for the proposed work.

3. I have contracted with the following person (firm) to provide the proposed construction:

Name Reeve Knight Address 128 Ascot Drive  
City Roseville CA Telephone 916-786-5112  
Contractors License No. 659107

4. I plan to provide portions of the work, but I have hired the following person to coordinate, Supervise, and provide the major work.

Name \_\_\_\_\_ Address \_\_\_\_\_  
City \_\_\_\_\_ Telephone \_\_\_\_\_  
Contractors License No. \_\_\_\_\_

5. I will provide some of the work but I have contracted (hired) the following to provide the Work indicated:

Name	Address	Phone	Type of work

Signed [Signature]

Job Address \_\_\_\_\_

Permit No: 0113037

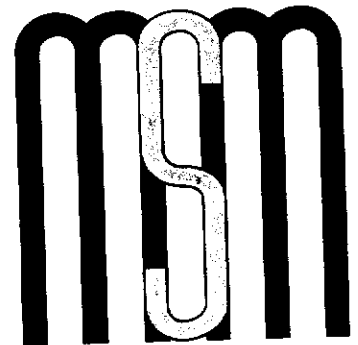
December 3, 2001

Permit No. 0113034

Mr. Chris Facus  
Arden Fair Mall  
1689 Arden Way  
Sacramento, CA 95815

Address: 1689 Arden WY,  
Suite 2011

**Subject:** Arden Fair Mall Steel Beam Penetration  
Sacramento, CA  
MSM No. 01237



**MARR SHAFFER & MIYAMOTO**  
STRUCTURAL ENGINEERS, INC.

Dear Mr. Facus:

As requested, we have investigated the existing wide flange steel beams (see attached partial plan) at the 2<sup>nd</sup> floor for the proposed new 2 1/2" diameter penetrations located at mid depth of the existing W18x35 beams and within 3" (maximum) offset of mid depth of the existing W21x50 beams. The results of our analysis indicate that the existing beams have sufficient capacity to allow for the new 2 1/2" diameter penetrations subject to the conditions indicated on attached partial plan.

Please do not hesitate to call if there are any questions.

Very truly yours,  
Marr Shaffer & Miyamoto, Inc.

Soon-Min Kwon  
Project Engineer

  
Kit Miyamoto, M.S., S.E.  
President & CEO

1450 HALYARD DRIVE  
SUITE ONE  
WEST SACRAMENTO, CA  
95691

916.373.1995  
telephone  
916.373.1466  
facsimile

www.msm1.com  
website  
msm@msm1.com  
email

Attachments  
G:\projects\2001\01237\docs\letter1203

ISSUED

DEC 6 2001

Sacramento Building Division



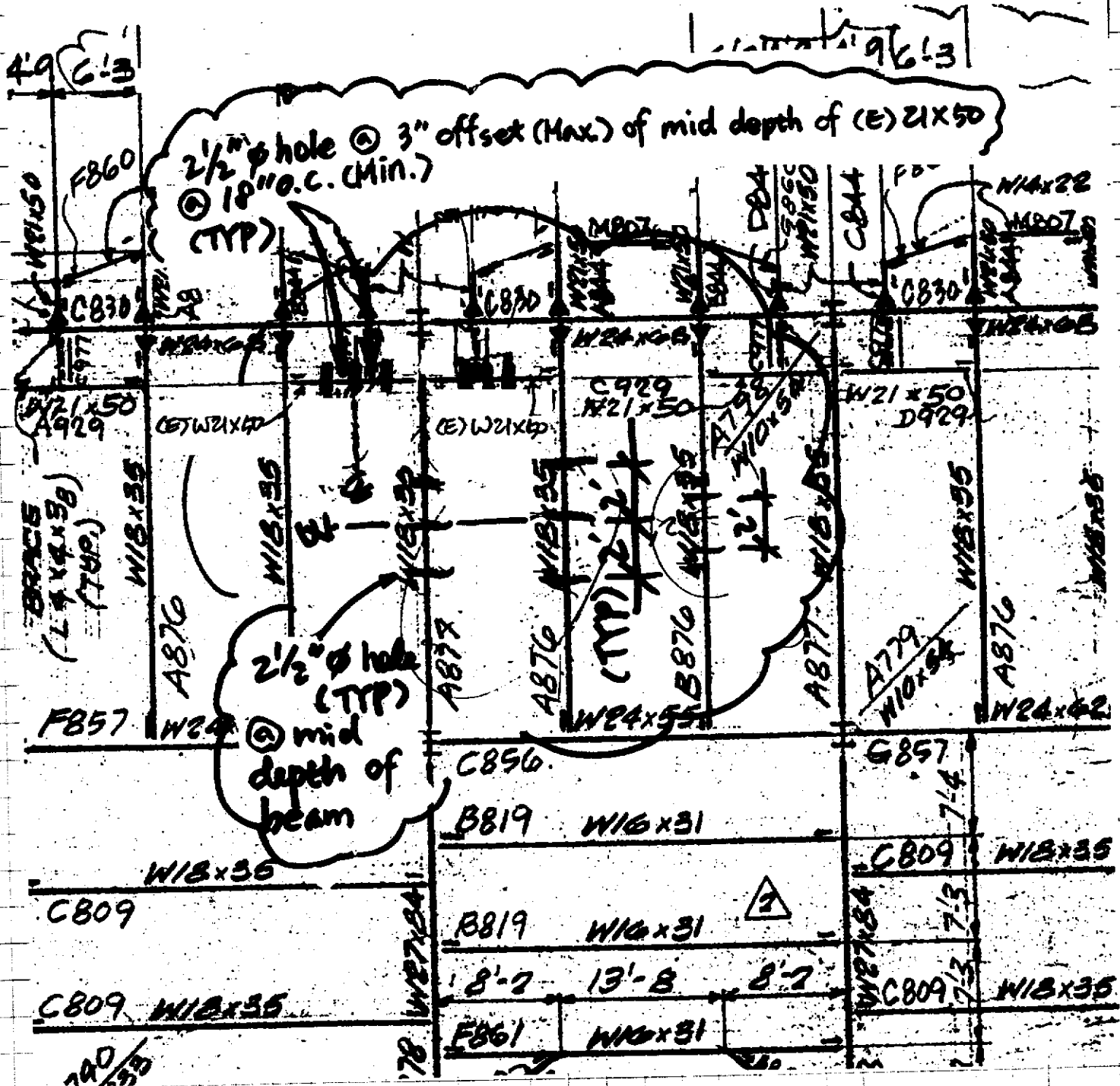
H. KIT MIYAMOTO, M.S., S.E.  
president

ROBERT S. GLASGOW, M.S., P.E.  
LON M. DETERMAN, P.E.  
senior associates

TODD T. KOHAGURA, M.S., P.E.  
GARY A. PARKER  
JOHN R. TAYLOR  
associates

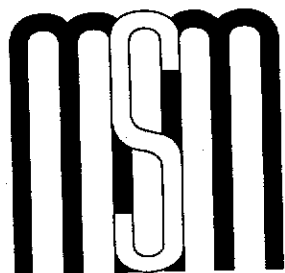
JOHN M. SHAFFER, M.S., S.E.  
of counsel

PROVIDING THE BEST IDEAS AND OPTIONS  
SINCE 1946



PARTIAL FRAMING PLAN

(N.T.S.)



**MARR SHAFFER & MIYAMOTO**  
 STRUCTURAL ENGINEERS, INC.  
 1450 Halyard Drive, Suite One  
 West Sacramento, CA 95691  
 Tel (916) 373-1995  
 Fax (916) 373-1466  
 Web www.msm1.com  
 E-mail msm@msm1.com

Arden Fair Mall  
 Steel Beam Penetration

MSM#: 01237

CLIENT: Arden Fair Mall

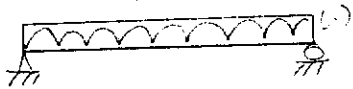
DATE: 12/03/01

SHEET: SK120301

© Check (E) W18 X 35 (l = 30'-0")

$$DL = 80 \text{ psf}$$

$$LL = 100 \text{ psf}$$



$$w = (80 + 100 \text{ psf})(11') = (800)(1.2) + (1000)(1.6)$$

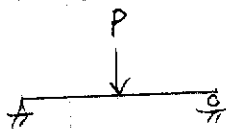
$$= 1056 + 1760$$

$$= 2816 \text{ plf (Strength)}$$

$$M_u = \frac{wL^2}{8} = \frac{(2816 \text{ plf})(30')^2}{8} = 316.8 \text{ k-ft} = 3802 \text{ k-in}$$

$$V_u = \frac{wL}{2} = \frac{(2816)(30)}{2} = 14.1 \text{ k}$$

© Check (E) 21 X 50 (l = 11'-0")



P (Reaction from W21 X 50 cantilever)

$$= wL = (80 + 100 \text{ psf})(6'/2)(8') = (1920)(1.2) + (2400)(1.6)$$

$$= 2304 + 3840$$

$$= 6144 \text{ lb (Strength)}$$

$$M_u = \frac{PL}{4} = \frac{(6144)(11')}{4} = 16.9 \text{ k-ft} = 203 \text{ k-in}$$

$$V_u = \frac{P}{2} = \frac{6144}{2} = 3.1 \text{ k}$$



# Web Openings in Steel and Composite Beams

## Design Parameters

Section:	<b>W18x35</b>	<input checked="" type="radio"/> Unstiffened	<input checked="" type="checkbox"/> Composite?
$F_y$	50 ksi	<input type="radio"/> 1 Side Stiffened	<input type="checkbox"/> Check if deck is parallel to Girder
Depth of opening, $h_o$	3 in	<input type="radio"/> 2 Sides Stiffened	<b>Composite Info:</b>
Width of opening, $a_o$	3 in	<b>Stiffener Info:</b>	$f_c$ 3 ksi
TOS to ctr of opening	9 in	$F_{yr}$ 36 ksi	Beam length 30 ft
$M_U$	3802 in-kip	tp 0.25 in	Beam spacing 11 ft
$V_U$	14.00 kip	dp 2.00 in	Conc. Depth 5.5 in
$M_{PC}$	8142 in-kip		Conc. cover 3.0 in
			End to Ctr of hole 6.5 ft
			Stud dia 0.75 in
			Stud spacing 12 in
$\Phi M_n$	<b>3940 in-kip</b>		conc weight 145 pcf
$\Phi V_n$	<b>14.51 kip</b>		Rib width 0.0 in

$M_u/\Phi M_n$	<b>0.97</b>	OK!
$V_u/\Phi V_n$	<b>0.97</b>	OK!

<b>Local buckling</b>		
bf/2tf	7.059	OK!
dp/tp	8.000	OK!
$65/(F_y)^{(1/2)}$	9.192	

<b>Web buckling</b>		
po	1.847	OK!
steel	5.6	
composite	6	
(d-2tf)/tw	56.17	OK!
$420/\sqrt{F_y}$	59.40	

**Buckling of tee-shaped compression zone (for steel beams only)**

vt	0.33	OK!
limit	12	

**Lateral buckling (for steel beams only)**

don't do it!!!

## Detailing

<b>Corner Radii</b>	
0.63 in	min
<b>Stiffener criteria</b>	
<b>Extension length</b>	
1 side	2 sides
1.44 in	2.89 in
<b>Required weld strength within opening</b>	<b>Required fillet weld size</b>
19 kip	19 kip
at extensions	
23 kip	45 kip
	7/16

# Web Openings in Steel and Composite Beams

## Design Parameters

Section:	<b>W21x50</b>
$F_y$	50 ksi
Depth of opening, $h_o$	3 in
Width of opening, $a_o$	3 in
TOS to ctr of opening	10 in
$M_U$	203 in-kip
$V_U$	3.10 kip
$M_{PC}$	8142 in-kip

Unstiffened  
 1 Side Stiffened  
 2 Sides Stiffened

Composite?  
 Check if deck is parallel to Girder

### Stiffener Info:

$F_{yr}$	36 ksi
tp	0.25 in
dp	2.00 in

### Composite Info:

$f'_c$	3 ksi
Beam length	11 ft
Beam spacing	11 ft
Conc. Depth	5.5 in
Conc. cover	3.0 in
End to Ctr of hole	6.5 ft
Stud dia	0.75 in
Stud spacing	12 in
conc weight	145 pcf
Rib width	12.0 in

$\Phi M_n$	<b>5643 in-kip</b>
$\Phi V_n$	<b>86.17 kip</b>

$M_u/\Phi M_n$	<b>0.04</b>	OK!
$V_u/\Phi V_n$	<b>0.04</b>	OK!

### Local buckling

bf/2tf	6.103	OK!
dp/tp	8.000	OK!
$65/(F_y)^{1/2}$	9.192	

### Web buckling

po	1.720	OK!
steel	5.6	
composite	6	
(d-2tf)/tw	52.00	OK!
$420/\sqrt{F_y}$	59.40	

### Buckling of tee-shaped compression zone (for steel beams only)

vt	0.27	OK!
limit	12	

### Lateral buckling (for steel beams only)

don't do it!!!		
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## Detailing

### Corner Radii

0.76 in min

### Stiffener criteria

#### Extension length

1 side	2 sides
1.14 in	2.28 in

#### Required weld strength within opening

25 kip 25 kip

#### at extensions

23 kip 45 kip

#### Required fillet weld size

8/16

7/16

CITY OF SACRAMENTO

**CERTIFICATE OF OCCUPANCY**

For Information Contact (916) 264-5716

Building Address: 1689 Arden Way Permit No. 01-13034

Building Use: Kiosk DBA: Toll House Café Occupancy: M

Building Owner: Arden Fair Associates Construction Type: II-N

Owner Address: 1689 Arden Way #1167 Sprinkled?  Yes  No

Portion of Building Occupied: Suite 2011 Area: 357 Sq. Ft.

12/19/01 [Signature] [Signature] **DENNIS RICHARDSON**  
Date By:Print Sign CITY BUILDING OFFICIAL

[ Finaled By: MCW, RLB, SLG, SB ]

*This Certificate, issued pursuant to the requirements of Section 109 of the Uniform Building Code, certifies that at time of issuance the described portion of the building has been inspected for compliance with the Uniform Building Code, as adopted per Title 15 of the Sacramento City Code for the group and division of occupancy and use for which the proposed occupancy is classified. Issuance of this certificate shall not be construed as an approval of a violation of any Codes, or Federal, State and City Laws or Ordinances. Certificates presuming to give authority to such violation shall not be valid. This certificate shall be posted in a conspicuous place on the premises and shall not be removed except by the City Building Official. No changes shall be made in the character of occupancy or use without approval of the City Building Official.*

**POST IN A CONSPICUOUS PLACE**