

**CITY OF SACRAMENTO**

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

**Permit No: 9805289**

**Insp Area: 2**

**Site Address: 6620 CHESTERBROOK DR SAC**

**Sub-Type: NSFR**

**Parcel No: 1171300002**

**LOT 2/ARLINGTON PARK**

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

CONTRACTOR

M J BROCK  
3350 WATT AVE #D  
SACRAMENTO CA

95821

OWNER

M J BROCK  
3350 WATT AV #D  
SACRAMENTO CA

95821

ARCHITECT

**Nature of Work: NEW HOME, MP1975-94, 9 ROOMS**

**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 54648

Date 7.15.98

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 7.15.98

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 Kemper Employmental

Policy Number 48200321900

\_\_\_\_\_ (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 7.15.98

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.**

INSTALLATION CARD  
WESTERN ONE STUCCO SYSTEM  
SACRAMENTO STUCCO PRODUCTS CO., INC.

Job Address:

Lot 2 Arllington Park II  
Larchmont Homes

ICBO Evaluation Service, Inc.

Report No. 3899

Date of Job Completion 9-9-98

Plastering Contractor

**TOLIVER PLASTERING**  
P.O. BOX 740  
FAIR OAKS, CA 95628-0740  
CA Lic. #523018  
NV Lic. #042471

Name:

Address:

Telephone Number (916) 631-9844

Approved Applicator's License Number as

Issued by Western Stucco Products 507

This is to certify that the plastering system on the building exterior at the above address has been installed in accordance with the evaluation report specified above and the manufacturer's instruction.

Signature of authorized representative of plastering contractor

Date

9-9-98

Installation card must be presented to the building inspector after completion of work and before final inspection.

No. APII-10



INSULATION CONTRACTORS ASSOCIATION OF AMERICA

INSULATION CERTIFICATE  
49862

1321 DUKE STREET, SUITE 303 • ALEXANDRIA, VA 22314 • (703) 739-0356

THIS IS TO CERTIFY THAT INSULATION HAS BEEN INSTALLED IN CONFORMANCE WITH CURRENT ENERGY REGULATIONS, CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, STATE OF CALIFORNIA, IN THE BUILDING LOCATED AT:

LARCHMONT LOT # 2 TRACT # ARLINGTON  
STREET CITY Santa

EXTERIOR WALLS:  
MANUFACTURER F/E THICKNESS/TYPE 3 5/8" R-13 VALUE 13

CEILINGS:  
BATTS:  
MANUFACTURER F/E THICKNESS/TYPE 12" R-38 VALUE 38

BLOWN IN:  
MANUFACTURER F/E THICKNESS 15 1/2" R-38 VALUE 38

SQUARE FOOTAGE COVERED 1224 NUMBER OF BAGS USED 32

FLOORS:  
MANUFACTURER \_\_\_\_\_ THICKNESS/TYPE \_\_\_\_\_ VALUE \_\_\_\_\_  
SLAB ON GRADE:  
MANUFACTURER \_\_\_\_\_ THICKNESS/TYPE \_\_\_\_\_ VALUE \_\_\_\_\_

WIDTH OF INSULATION \_\_\_\_\_ INCHES  
FOUNDATION WALLS:  
MANUFACTURER \_\_\_\_\_ THICKNESS/TYPE \_\_\_\_\_ VALUE \_\_\_\_\_

GENERAL CONTRACTOR \_\_\_\_\_  
CALIFORNIA CONTRACTORS LICENSE # \_\_\_\_\_ DATE \_\_\_\_\_

\_\_\_\_\_  
SIGNATURE TITLE

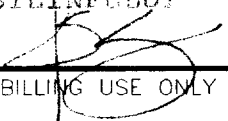
INSULATION CONTRACTOR **ARCADE INSULATION**  
CALIFORNIA CONTRACTORS LICENSE #263784

[Signature] 10-16-98 DATE  
[Signature] TITLE

COUNTY SANITATION DISTRICT NO. 1  
SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT

**SEWER IMPACT FEE**  
PERMIT AND CALCULATION SHEET

JME  
6/10/98

APPLICATION NO: <u>City</u>		BLDG PERMIT NO:	
GENERAL INFORMATION		THIS PERMIT GOOD ONLY WHEN VALIDATED BY THE CASHIER <u>2433.75</u> <u>6/10/98</u> DEPT. OF GENERAL SERVICES      \$2,096.00 FROM 304088 06/10/98 RECEIPT LABEL 44      12/12/98	
FEE CALCULATION		BUILDING USE	
INSPECTION	<u>0</u>	RESIDENTIAL SF <input checked="" type="checkbox"/>	MF <input type="checkbox"/>
CSD-1	<u>460</u>	COMMERCIAL USE	UNITS
SRCSD	<u>0.33</u>		
CONSTRUCTION			
IN-LIEU			
<b>TOTAL FEE</b>	<u>2770</u>		
APN: <u>117-213-005</u>			
DESCRIPTION/ SUBDIVISION <u>Burlington Park 2/Saguna Bluff</u> LOT: <u>2</u>			
PROPERTY ADDRESS			
OWNER <u>BU BROCK AND SONS</u>			
MAILING ADDRESS <u>3350 WATC AVE STE D</u>			
CITY-STATE-ZIP/AC, CA 95021		PHONE <u>488-4500</u>	
ADDITIONAL FEES MAY BE DUE IF CHANGES IN USE INCREASE SEWER IMPACT.			
LINDA S. STEINFELDT			
APPLICANT SIGNATURE 			
CONSOLIDATED UTILITY BILLING USE ONLY			
ACCT _____	INPUT _____	START _____	
<b>INSPECTOR'S COPY</b>			

# Certification of Compliance

## School District Development Fees

*(Print or Type) If Printing, press hard for four copies*

### **PART I To be completed by the APPLICANT**

OWNER'S NAME \_\_\_\_\_  
 OWNER'S ADDRESS \_\_\_\_\_  
 PROJECT ADDRESS \_\_\_\_\_  
 PARCEL NUMBER \_\_\_\_\_ LOT NO. 6 \_\_\_\_\_  
 SUBDIVISION NAME \_\_\_\_\_  
 NUMBER OF UNITS \_\_\_\_\_

*Upon payment of the fees listed below, a 90-day approval period commences upon which the applicant paying the fees may protest such fees. Any failure to file such protest within the 90-day period shall result in forfeiture of any rights to challenge such fees, through litigation or otherwise.*

APPLICANT'S SIGNATURE \_\_\_\_\_  
 TITLE OF APPLICANT \_\_\_\_\_  
 DATE \_\_\_\_\_ PHONE NUMBER \_\_\_\_\_

### **PART II To be completed by BUILDING DEPARTMENT**

PLAN IDENTIFICATION NUMBER \_\_\_\_\_  
 BUILDING TYPE  
 RESIDENTIAL ( ) APARTMENT/CONDOMINIUM ( ) COMMERCIAL/INDUSTRIAL ( )  
 SQUARE FEET OF CHARGEABLE BUILDING AREA \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_  
 TITLE \_\_\_\_\_ DATE \_\_\_\_\_

### **PART III To be completed by SCHOOL DISTRICT**

SCHOOL DISTRICT \_\_\_\_\_  
 DISTRICT CERTIFICATION NO. \_\_\_\_\_  
 EXEMPT \_\_\_\_\_ COMMENTS \_\_\_\_\_

RESIDENTIAL APT/CONDO _____	SQ FT X \$ _____	= \$ _____
COMMERCIAL/INDUSTRIAL _____	SQ FT X \$ _____	= \$ _____
OTHER FEE _____ TYPE _____	SQ FT X \$ _____	= \$ _____
<b>TOTAL FEES COLLECTED _____</b>		<b>= \$ _____</b>

This Certification covers only the amount of square footage indicated above. Any additions or corrections to the square footage for this project will require an amendment to the Certificate of Compliance.

As the authorized school district official, I hereby certify that the requirements of Government Code Section 65995 and any other authorized requirements have been complied with by the above signed applicant.

### **AUTHORIZED SCHOOL DISTRICT OFFICIAL**

SIGNATURE \_\_\_\_\_  
 TITLE \_\_\_\_\_ DATE \_\_\_\_\_

W.D. Fernando



**ADVANCE FOAM PLASTICS, INC.**  
 DENVER, COLORADO - MURRAY, UTAH - SPARKS, NEVADA

**TECHNICAL INFORMATION**

**PHYSICAL PROPERTIES OF EXPANDED POLYSTYRENE**

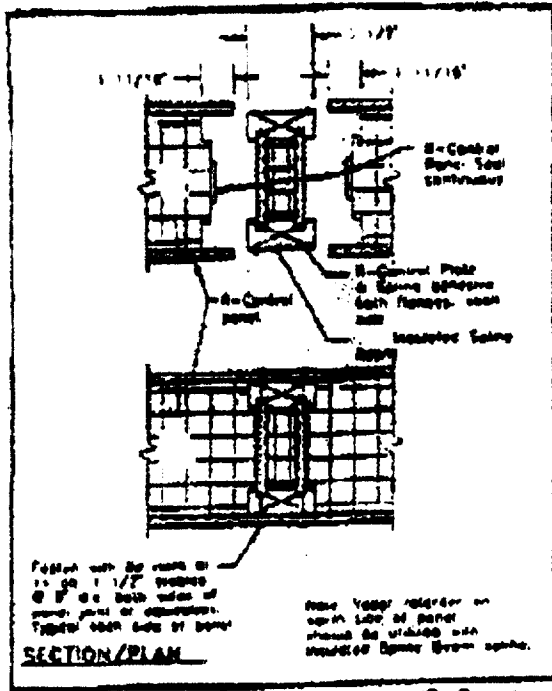
PROPERTY	ASTM TEST	Type I	Type VIII	Type II	Type IX
TYPICAL TESTED R-Values for use in thermal resistance design calculations					
R-Value* Normal density foam?	O177/C 518	1.00	1.25	1.50	2.00
Thermal resistance at 40° F (4.4° C)		4.17	4.25	4.55	4.76
per 1.0 in. (25.4 mm) thickness at 75° F (23.9° C)		0.86	0.92	1.17	1.36
PHYSICAL REQUIREMENTS of RCP's Thermal Insulation Meeting ASTM C 578 Minimum and Maximum allowable values.					
DENSITY minimum lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	C 302/D 1589	0.9 (16)	1.15 (18)	1.35 (20)	1.8 (29)
Thermal Resistance	O 177/C 518				
1.00 in. (25.4 mm) thickness at 40° F (4.4° C)		4.0 (0.07)	4.2 (0.74)	4.4 (0.77)	4.6 (0.81)
minimum R-Value/3in. (K-m <sup>2</sup> /W) at 75° F (23.9° C)		3.6 (0.63)	3.8 (0.67)	4.0 (0.70)	4.2 (0.74)
COMPRESSIVE resistance at yield or 10% deformation, whichever occurs first with alkane interior, minimum psi (kPa)	C 165/D 1521	10.0 (69)	13.0 (90)	15.0 (104)	25.0 (173)
FLEXURAL strength, minimum psi (kPa)	C 208	25.0 (173)	30.0 (208)	40.0 (276)	50.0 (348)
WATER VAPOR permeance of 1.00 inch (25.4 mm) thickness, M&K perms (ng/Perm <sup>2</sup> )	E 90	6.0 (267)	3.5 (201)	3.5 (201)	2.0 (115)
WATER ABSORPTION by total immersion, maximum volume %	C 272	4.0	3.0	3.0	2.0
DIMENSIONAL STABILITY (change in dimensions), maximum %	D 2126	2.0	2.0	2.0	2.0
OXYGEN INDEX, minimum %	D 2863	24.0	24.0	24.0	24.0
<small>ASTM C 578 (Supersedes Federal Specification MN 1-524C)                      *Typical Tested R-Values are based on data provided by ARCO Chemical Co., BASF Corp., Huntsman Chemical Company and Styrochem.                      Contact manufacturer for additional physical properties and densities that may be needed for your specific use</small>					

ADVANCE FOAM PLASTICS, INC. INSULATION PRODUCTS

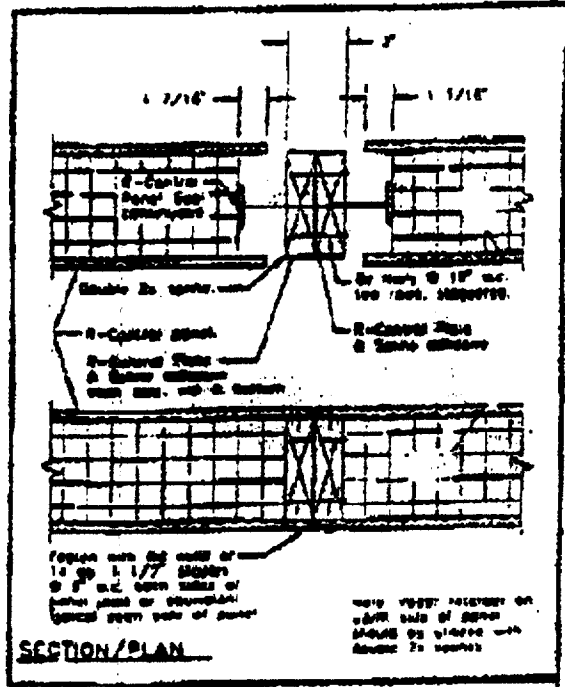
Advance Foam EPS (Expanded Polystyrene) is a styrene polymer impregnated with a foaming agent, which, when exposed to heat, creates a uniform closed cell structure highly resistant to heat flow and moisture penetration.

INSECT RESISTANT EPS is available with PERFORM GUARD™, a non-toxic insect resistant treatment. Boring insects do not get any food value from rigid foam insulation, but untreated foam provides a habitat conducive for raising offspring.

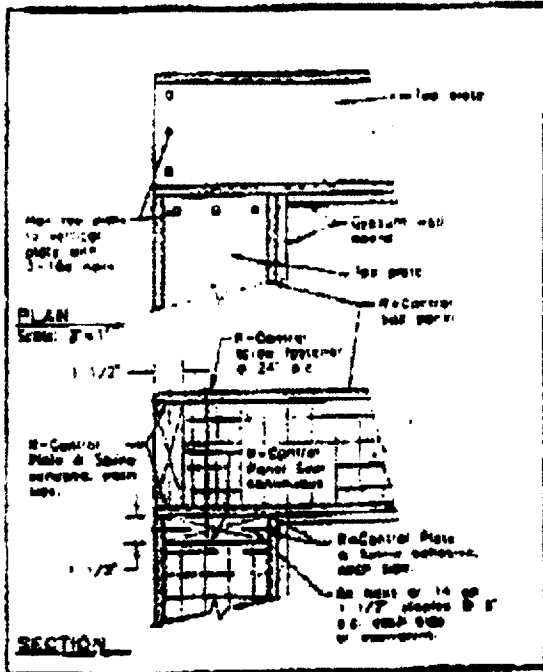
EPS DIRECT TO METAL DECK WITH PERFORM PROTECT™ Perform Protect™ EPS is the result of a revolutionary technology developed by AFM which allows for the direct application of its EPS to metal deck construction. Now the industry's most environmentally sound insulation can be applied without the added expense and labor of traditional thermal barrier materials such as drywall, perlite, or sand.



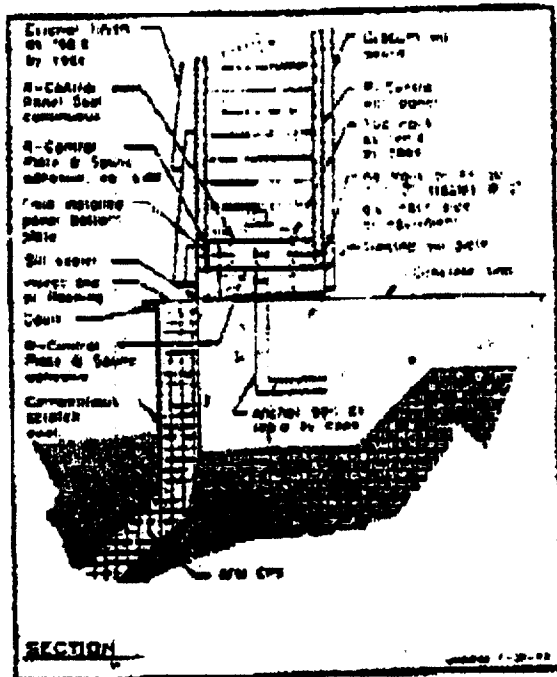
AFM R-Control Panel  
 WFL - Spine Connection  
 Details Spine Beam AF-103c



AFM R-Control Panel  
 WFL - Spine Connection  
 Details Spine Beam AF-103c



AFM R-Control Panel  
 WFL - Spine Connection  
 Details Spine Beam AF-103c



AFM R-Control Panel  
 WFL - Spine Connection  
 Details Spine Beam AF-103c

FIGURE 1—CONSTRUCTION DETAILS (Continued)

Standard 26-3) and fire-resistive assembly tests (UBC Standard 7-1); structural calculations and installation instructions.

4.0 FINDINGS

That the AFM A-Control building panels described in this report comply with the 1984 Uniform Building Code, subject to the following conditions:

- 4.1 The panels are fabricated and erected in accordance with this report and the manufacturer's instructions.
- 4.2 The panels and their attachments are subject to inspection by the building official prior to covering with an approved weather-resistive barrier.
- 4.3 The remaining portions of the structure are designed and constructed in accordance with the code.
- 4.4 Structural calculations and plans demonstrating compliance with this report and the code are submitted to the building official for each project.

- 4.5 Panels are limited to loads noted in Tables 1 through 7.
- 4.6 Panels with openings comply with Section 2.4 of this report.
- 4.7 The panel must be supported from the building interior by a structural barrier in accordance with Section 2.3 of this report.
- 4.8 The panel may be used only in buildings of Type V construction.
- 4.9 AFM A-Control panels are fabricated at facilities noted as additional listees in this report, with quality control inspections by Underwriters Laboratories Inc. (NER-QA403).

1988 Accumulative Supplement: This report is unaffected by the supplement.

This report is subject to re-examination in one year.

TABLE 1—TRANSVERSE LOADS (psf)<sup>1,2</sup>

ROOF AND WALL PANEL TYPE	SECT.	AFM A-CONTROL STRUCTURAL PANELS			
		EPS Core Thickness with 7/16-inch OSB Weatherboard Sheathing			
		2 1/2-inch core	3 1/2-inch core	4 1/2-inch core	5 1/2-inch core
8 feet 0 inches	U184	37	51	76	117
	U240	59	81	114	181
	U360	55	71	101	161
10 feet 0 inches	U180	18	27	42	70
	U240	29	44	68	110
	U360	19	31	47	77
12 feet 0 inches	U180	12	18	28	45
	U240	17	26	40	65
	U360	12	18	28	45

For 98: 1 inch = 25.4 mm, 1 psf = 47.9 Pa, 1 kN/m = 1000 N/m

NP = Not permitted.

<sup>1</sup>Floor panels limited to Group R occupancies.

<sup>2</sup>Load limited by flexural strength.

<sup>3</sup>Wall panels have 7/16-inch maximum size (thickness).

<sup>4</sup>Direction of Design Load.

TABLE 2—ALLOWABLE AXIAL LOADS, COMBINED AXIAL AND TRANSVERSE LOADS, RACKING SHEARS, AND UNIFORM HEADER LOADS

APPLIED LOADS	PANEL HEIGHT OR SPAN	AFM A-CONTROL PANELS		
		EPS Core Thickness with 7/16-inch OSB Weatherboard Sheathing		
		2 1/2-inch core	3 1/2-inch core	4 1/2-inch core
Axial load (psf) <sup>1</sup>	8 feet 0 inches	2,200	2,500	2,500
	10 feet 0 inches	2,200	2,500	2,500
Combined axial and bending load (psf) <sup>2</sup>	8 feet 0 inches	43	58	73
	10 feet 0 inches	38	53	68
Wall racking shear (psf) at 1/2-inch deflection	See Footnote 3	(335)	(335)	(335)

For 98: 1 inch = 25.4 mm, 1 load = 206.8 mm, 1 psf = 47.9 Pa, 1 psf = 13.59 N/m.

<sup>1</sup>For fire-resistive assemblies, axial loads cannot exceed 1,000 pounds per linear foot.

<sup>2</sup>Maximum allowable axial load is limited to the loads tabulated for axial load condition alone.

<sup>3</sup>Values based on a maximum height-to-width ratio of 1/2:1.



2.4.2 **Wood Lumber Headers:** Lumber headers may be used, provided details and calculations for the header are submitted to the building official for approval.

### 2.5 Thermal Barrier:

One-half-inch-thick (12.7 mm) regular gypsum wallboard is fastened to the interior face of R-Control panels with 56 gypsum wallboard nails or equivalent screws in accordance with Table 25-G of the code, using 16-inch-on-center (406 mm) framing spacing guidelines.

R-Control panels supplied with Plastikote do not require additional thermal barrier treatment.

### 2.6 Panel Cladding:

2.6.1 **Roof Covering:** The roof covering must comply with Chapter 15 of the code except that roofs with hot-asphalt or hot-coal-tar pitch require mechanical attachment of a base ply before their application. Attachment of base ply shall be with No. 11 gage ring-shank nails driven through tin caps or approved nails with integral caps. Fasteners must have sufficient length to penetrate through the top panel skin. A single layer of base sheet is applied at the low point, lapping each course over the preceding one a minimum of 3 inches (76 mm). Laps are nailed at 9 inches (229 mm) on center. Within the field of the base sheet, two rows of fasteners spaced 12 inches (305 mm) on center are installed, with nails in these rows spaced 18 inches (457 mm) on center and staggered from adjacent rows. Underlayment and flashings are installed in accordance with the code.

2.6.2 **Wall Covering:** Any interior and exterior wall coverings recognized in the code may be used. Panels are considered weather-resistant barriers and do not require building paper except where cementitious plaster is used. See Section 2506.4 of the code. All panel joints must be sealed with a compatible acrylic latex caulk. The interior finish must include a thermal barrier as described in Section 2.5 of this report.

### 2.7 One-hour Fire-resistant Wall Assemblies:

2.7.1 **Assembly 1:** R-Control wall panels, with 3<sup>1</sup>/<sub>2</sub>-, 5<sup>1</sup>/<sub>2</sub>- and 7<sup>1</sup>/<sub>2</sub>-inch-thick (89, 140, and 184 mm) cores, and minimum 7<sup>1</sup>/<sub>16</sub>-inch-thick (11.1 mm) OSB facings, covered by two layers of 3<sup>1</sup>/<sub>2</sub>-inch (15.9 mm) Type X gypsum wallboard, complying with ASTM C 36, on each face, are one-hour fire-resistant wall assemblies. The double layers of gypsum wallboard must be installed vertically, with the base layer placed over the panel with vertical joints staggered 18 inches (406 mm), minimum, from panel joints. The base layer is attached with 1<sup>1</sup>/<sub>2</sub>-inch-long (41.3 mm) No. 6, self-tapping, buglehead screws spaced according to Table 25-H of the code. The wallboard face layer is placed over the base layer with joints staggered 18 inches (406 mm), minimum, from those beneath and fastened through the base layer into the panel with 2-inch-long (51 mm), No. 6, buglehead, self-tapping screws in accordance with Table 25-H of the code, staggering the screws 6 inches (152 mm) from the base layer screws.

Face layers of gypsum wallboard must have joints lased and screw heads treated with joint compound. Gypsum wallboard tape and joint compound must comply with ASTM C 474 and C 475.

Where the panels are exposed to the exterior, the exterior side must have 3<sup>1</sup>/<sub>2</sub>-inch-thick (15.9 mm), Type X, water-resistant core gypsum sheathing complying with ASTM C 79, instead of the gypsum wallboard.

The maximum allowable axial load is 1,800 pounds per linear foot (26 kN/m) for fire-resistant wall assemblies.

2.7.2 **Assembly 2:** R-Control wall panels with 5<sup>1</sup>/<sub>2</sub>- and 7<sup>1</sup>/<sub>2</sub>-inch-thick (140 and 184 mm) cores, and minimum 7<sup>1</sup>/<sub>16</sub>-inch-thick (11.1 mm) OSB facings, covered by a single layer of 3<sup>1</sup>/<sub>2</sub>-inch-thick (15.9 mm), Type C, gypsum, fire-rated wallboard on each side, are one-hour fire-resistant assemblies.

The Type C gypsum wallboard is Type SG-C, produced by Standard Gypsum. This wallboard is installed vertically, with the vertical joints offset 12 inches (305 mm) from the panel joint. Wallboard is

attached with 1<sup>1</sup>/<sub>2</sub>-inch-long (41.3 mm) drywall fasteners, per the code. Wall panels are put together with double 2-by-4 lumber splines and double top plate. For exterior walls, the exterior face shall be covered by a weather-resistant barrier complying with Section 1402.1 of the code.

The maximum allowable load is 1,800 pounds per linear foot (26 kN/m) for fire-resistant assemblies.

### 2.8 One-hour Fire-resistant Roof-ceiling Assembly:

2.8.1 **Assembly 1:** R-Control panels with minimum 3<sup>1</sup>/<sub>2</sub>-inch (89 mm) cores and minimum 7<sup>1</sup>/<sub>16</sub>-inch (11.9 mm) facings may be used as one-hour roof-ceiling assemblies.

The panels are supported by maximum 5-by-10 wood beams. Panel joints and ends require minimum 2-inch-wide (51 mm) wood plates, nailed between facings. The ceiling and beam are covered with two layers of minimum 3<sup>1</sup>/<sub>2</sub>-inch-thick (15.9 mm), Type X, gypsum wallboard complying with ASTM C 36. Boards are installed parallel to wood beams. The inner layer is attached to the R-Control panels with 1<sup>1</sup>/<sub>2</sub>-inch-long (51.7 mm), No. 8, Type S, buglehead, steel screws spaced 8 inches (203 mm) on center, located 1<sup>1</sup>/<sub>2</sub> inch (12.7 mm) from board edges in rows spaced 16 inches (406 mm) on center. The outer layer is installed with 2-inch-long (51 mm), No. 8, buglehead screws at 1 inch (25 mm) on center, located 3<sup>1</sup>/<sub>2</sub> inch (19.1 mm) from board edges and 12 inches (305 mm) on center in intermediate locations. All joints must be staggered from adjacent layers.

The beam is covered with two layers of wallboard connected in a shingle fashion. The exposed gypsum wallboard joints and fasteners are covered with paper tape and joint compound in accordance with Section 2510.5 of the code. The roof covering consists of hot-mapped or cold-applied materials providing Class A, B or C coverings. See Section 2.6.1 for additional details.

2.8.2 **Assembly 2:** R-Control panels consisting of minimum 3<sup>1</sup>/<sub>2</sub>-inch-thick (89 mm) panels with 7<sup>1</sup>/<sub>16</sub>-inch-thick (11.1 mm) facings may be used as one-hour restrained or unrestrained roof-ceiling assemblies.

Panel ends are blocked with 2-inch-thick (51 mm) wood members. Side joints are treated with 4-inch-wide-by-7<sup>1</sup>/<sub>16</sub>-inch-thick (102 mm by 11.1 mm) OSB splines.

R-Control panels are supported by Type 10K1 steel joists complying with Chapter 22, Division III, of the code. Diamond mesh weighing 2.4 pounds per square yard (1.3 kg/m<sup>2</sup>) with 3<sup>1</sup>/<sub>8</sub>-inch (9.5 mm) ribs is wire-tied to joists with No. 20 gage steel wire, to the middle of alternate webs. The mesh is also attached to the underside of six R-Control panels with 1-inch-wide-by-1<sup>1</sup>/<sub>2</sub>-inch-long (25 mm by 38 mm), No. 14 gage staples, spaced 7 inches (178 mm) on center vertically and horizontally.

Type JN fiber (Evaluation Report EA-1987) is sprayed to wetted surfaces to a minimum 2<sup>1</sup>/<sub>4</sub>-inch (57 mm) thickness. Density is 11 pcf (176 kg/m<sup>3</sup>). If density is between 10 and 11 pcf (160 and 176 kg/m<sup>3</sup>), thickness is determined by the following equation:

$$\text{Thickness (inches)} = \frac{24.75}{\text{Actual density, pcf}}$$

For SI:

$$\text{Thickness (mm)} = \frac{12,294}{\text{Actual density, kg/m}^3}$$

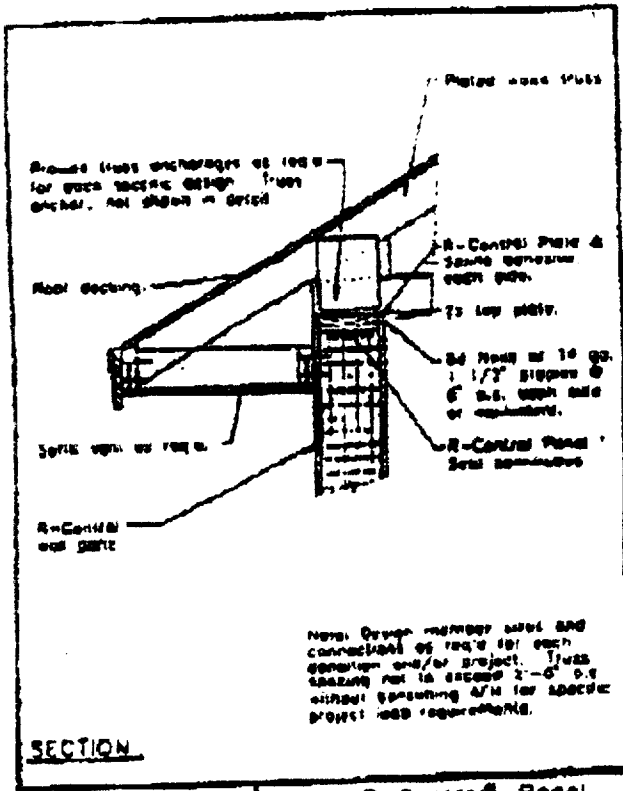
The roof covering consists of hot-mapped or cold-applied materials providing Class A, B or C coverings. See Section 2.6.1 for additional details.

### 2.9 Identification:

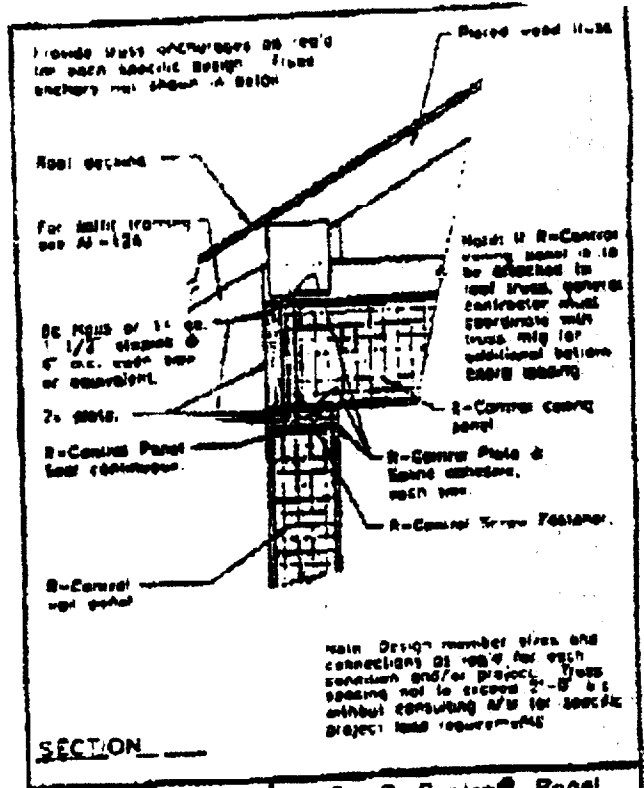
The AFM R-Control panel bears a stamp noting the product name, panel number, identification of the fabricator, the evaluation report number (PFC-4457) and the label of the inspection agency (Underwriters Laboratories Inc.).

### 3.0 EVIDENCE SUBMITTED:

Date according to the ICBO ES Acceptance Criteria for Sandwich Panels (A004), dated July 1996, reports of room fire tests. (UBC



**AFM R-Control® Panel**  
 TYPE: Truss Bearing on Top Panel  
 QTY: 100  
 AF-124



**AFM R-Control® Panel**  
 TYPE: Ceiling Panels & Truss  
 QTY: 100  
 AF-125

For Size 1 inch x 2 1/4 inch x 1 inch x 1/2 inch

FIGURE 1—CONSTRUCTION DETAILS—(Continued)

	L/240	25	NA	NA
1 1/2	L/240	27	NA	NA
	L/180	27	NA	NA
	L/240	30	28	18
1 1/2	L/240	28	31	20
	L/180	28	30	20

1.25 mm, 1 foot = 304.8 mm, 1 psi = 6.89 Pa, 1 pft = 14.59 N/m  
 axial load is 2,200 pft, which may be combined with transverse loads up to the tabulated values.  
 minimum 7/16 inch-thick steeling 2000, steel 24/28. Panels are framed with doubled nominal 2-inch lumber, 4 feet on center and single nominal 2-inch  
 rail ends. Lumber is minimum Douglas fir-larch, No. 2 grade.

TABLE 7—ALLOWABLE LOADS FOR PANEL HEADERS (pft)

S span	DEFLECTION LIMIT	HEADER DEFLECTION (pft)		
		18	24	30
	L/240	708	773	837
	L/360	708	773	837
	L/385	532	762	837
	Maximum load and corresponding deflection	708 L/357	773 L/335	837 L/318
	L/240	372	406	437
	L/360	372	406	437
	L/385	319	406	437
	Maximum load and corresponding deflection	372 L/348	406 L/312	437 L/281
	L/240	248	351	413
	L/360	248	351	413
	L/385	218	351	413
	Maximum load and corresponding deflection	248 L/314	351 L/294	413 L/272

25 = mm, 1 foot = 304.8 mm, 1 psi = 6.89 Pa

Page 3 of 3

Standard 20-3) and fire-resistive assembly tests (USC Standard 7-1), structural calculations and installation instructions.

4.0 FINDINGS

That the AFM A-Control building panels described in this report comply with the 1994 Uniform Building Code™, subject to the following conditions:

- 4.1 The panels are fabricated and erected in accordance with this report and the manufacturer's instructions.
- 4.2 The panels and their attachments are subject to inspection by the building official prior to covering with an approved weather-resistive barrier.
- 4.3 The remaining portions of the structure are designed and constructed in accordance with the code.
- 4.4 Structural calculations and plans demonstrating compliance with this report and the code are submitted to the building official for each project.

- 4.5 Panels are limited to loads noted in Tables 1 through 7.
- 4.6 Panels with openings comply with Section 2.4 of this report.
- 4.7 The panel must be separated from the building interior a thermal barrier in accordance with Section 2.5 of this report.
- 4.8 The panel may be used only in buildings of Type V construction.
- 4.9 AFM A-Control panels are fabricated at facilities noted additional names in this report, with quality control inspection by Underwriters Laboratories Inc. (NEL-04403).

1998 Accumulative Supplement: This report is unaffected by the supplement.

This report is subject to re-examination in one year.

TABLE 1--TRANSVERSE LOADS (psf)<sup>1,2</sup>

ROOF AND WALL PANEL SPAN	DEPTH	AFM A-CONTROL STRUCTURAL PANELS			
		2 1/2" depth core	3 1/2" depth core	4 1/2" depth core	5 1/2" depth core
8 feet 0 inches	L/120	24	32	40	48
	L/240	12	16	20	24
	L/360	8	11	14	17
10 feet 0 inches	L/180	18	24	30	36
	L/360	9	12	15	18
	L/540	6	8	10	12
12 feet 0 inches	L/240	12	16	20	24
	L/480	6	8	10	12
	L/720	4	5	6	8

For S1: 1 inch = 25.4 mm, 1 psf = 47.9 Pa, 1 foot = 304.8 mm  
 NP = Not permitted  
 1 Floor panels limited to Group R occupancies  
 2 Load limited by flexural strength  
 3 Wall panels have 2 1/2" inch minimum core thickness  
 4 Deflection in Unbraced Load

TABLE 2--ALLOWABLE AXIAL LOADS, COMBINED AXIAL AND TRANSVERSE LOADS, RACKING SHEARS, AND UNIFORM HEADER LOADS

APPLIED LOADS	PANEL HEIGHT OR SPAN	AFM A-CONTROL PANELS		
		2 1/2" depth core	3 1/2" depth core	4 1/2" depth core
Axial load (psf) <sup>1</sup>	8 feet 0 inches	2,500	2,500	2,500
	10 feet 0 inches	2,000	2,000	2,000
Combined axial and bending load (psf) <sup>2</sup>	8 feet 0 inches	99	99	99
	10 feet 0 inches	79	79	79
Wall racking shear (psf) at 1/8" inch deflection	See Footnote 3	(335)	(335)	(335)

For S2: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 psf = 47.9 Pa, 1 psf = 14.59 N/m<sup>2</sup>  
 1 For fire-resistive assemblies, axial loads cannot exceed 1,000 pounds per linear foot.  
 2 Maximum allowable axial load is limited to the loads tabulated for axial load conditions alone.  
 3 Values based on a maximum height-to-width ratio of 3 1/2:1.

POST OFFICE BOX 245  
EXCELSIOR, MINNESOTA 55331

ADVANCE FOAM PLASTICS, INC.  
5206 NORTH SHERMAN STREET  
DENVER, COLORADO 80218

ADVANCE FOAM PLASTICS, INC.  
302 KLEPPY LANE  
SPARKS, NEVADA 89431

Panel core thicknesses range from  $3\frac{1}{2}$  to  $11\frac{1}{2}$  inches (90 to 290 mm). Panel facing thicknesses range from  $\frac{3}{8}$  to  $\frac{1}{2}$  inch (9.5 to 12.7 mm). Maximum core thickness for wall panels is  $7\frac{1}{2}$  inches (191 mm). OSB panels conforming to USC Standard 23-3 are bonded to the EPS core with structural-grade urethane adhesives cured under pressure. The EPS core is a minimum 0.95 pcf (16.2 kg/m<sup>3</sup>) density, modified polystyrene insulation board identified as AFM Type I PERFORMGUARD Certified EPS (ER-4188).

The R-Control panels having a minimum 0.090-inch-thick (2 mm) glass-fiber reinforced coating are labeled Firefinish. The Firefinish panel coating has a Class I flame-spread index and a smoke-developed rating not exceeding 450.

### 2.2 Installation:

The R-Control panels are connected to each other with factory-cut wood splines, dimensional lumber or engineered wood composites such as wood I-beams, with EPS-compatible wood-to-wood bonding adhesive/sealant. The splines must be attached to the panels with 8d box nails at 6 inches (152 mm) on center. Alternatively, another approved system for connecting the splines to the panels may be used provided the alternate system has equivalent or higher shear strength properties.

Top and bottom plates are dimensional lumber, sized to match the core thickness, and secured to the panel core and facings with adhesive/sealant and 8d common or box nails at 6 inches (152 mm) on center. An EPS-compatible sealant is applied along the bottom of the panel before placement.

For increased strength and stiffness, doubled 2-by dimensional lumber beams are placed between adjacent panels. Single 2-by dimensional lumber is placed at panel ends. As an alternative, wood I-beams (SWI-TS4) or insulated spline beams (SWI), recognized in evaluation report ER-4801, are placed between adjacent panels. Single 2-by dimensional lumber is placed at panel ends.

Typical installation details are shown in Figure 1.

### 2.3 Allowable Loads:

Allowable transverse, axial, combined axial and transverse, and racking shear loads are set forth in Tables 1 through 6.

### 2.4 Openings:

2.4.1 Panel Header: Openings up to 8 feet (2438 mm) wide are permitted with panel headers. Headers must have minimum  $7\frac{1}{16}$ -inch thick (11.1 mm) facings and  $3\frac{1}{2}$ -inch-thick (89 mm) cores.

Joints are permitted, provided 2-by dimensional lumber blocks are connected to all facings with 8d common or box nails spaced 6 inches (152 mm) on center. See Table 7 for allowable loads, depth and spans. Minimum bearing is  $1\frac{1}{2}$  inches (38 mm) at support. Elements supported by the headers must rest over both facings.

## 1.0 SUBJECT

AFM R-Control Building Panels.

## 2.0 DESCRIPTION

### 2.1 General:

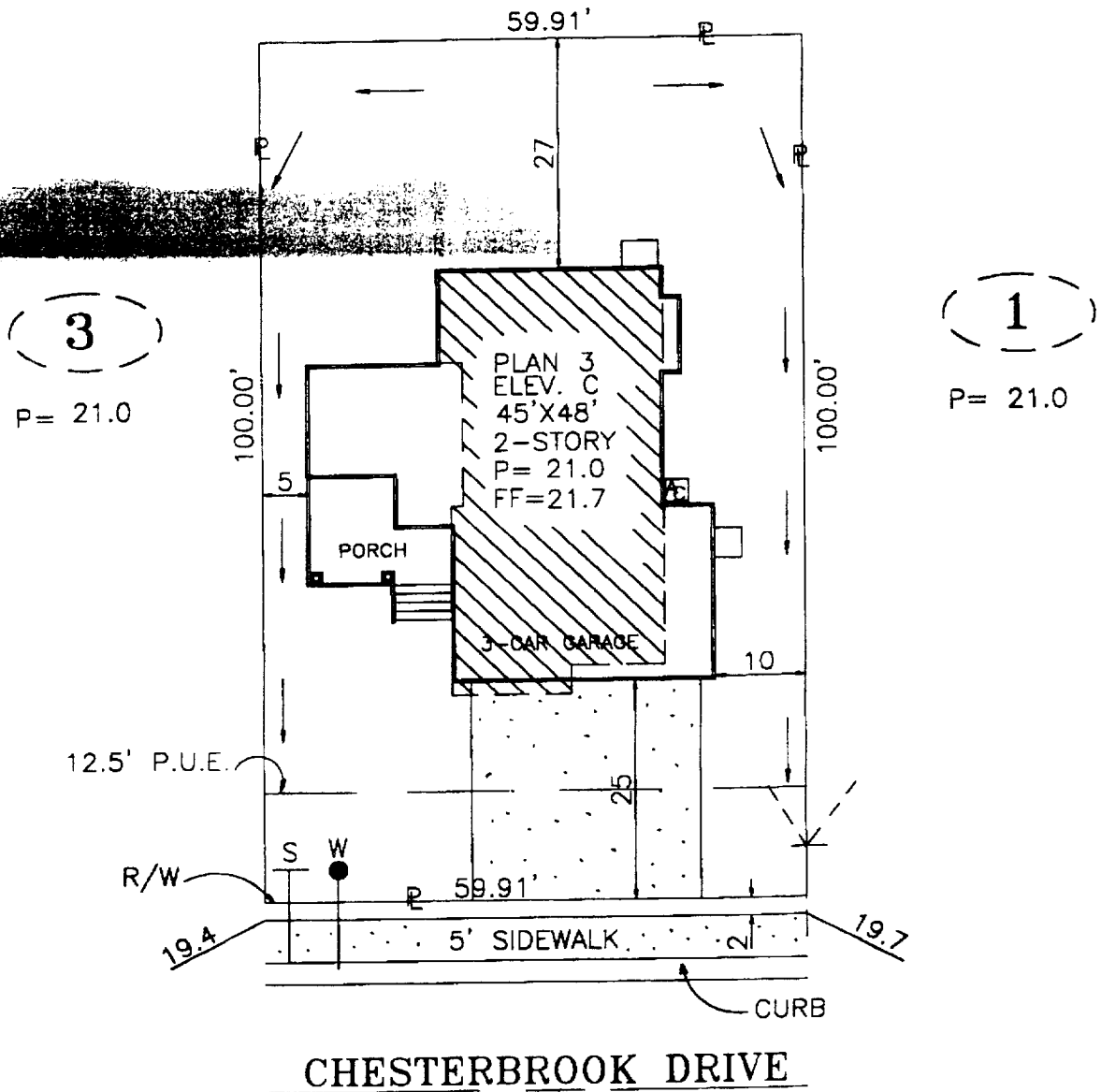
AFM R-Control panels are factory-assembled sandwich panels consisting of oriented strand board (OSB) facings, and PERFORM GUARD expanded polystyrene (EPS) cores. The panels are used as load-bearing walls and roof or floor components.

Evaluation reports of ICBO Evaluation Service, Inc., are issued solely to provide information to Class A members of ICBO, within the code upon which the report is based. Evaluation reports are not to be construed as representing opinions or any other attributes not specifically addressed nor as an endorsement or recommendation for use of the subject report.

This report is based upon independent tests or other technical data submitted by the applicant. The ICBO Evaluation Service, Inc., technical staff has reviewed the test reports and other data, but does not possess test facilities to make an independent verification. There is no warranty by ICBO Evaluation Service, Inc., except as implied, as to any "findings" or other matter in the report or as to any product covered by the report. This disclaimer includes, but is not limited to, merchantability.

PLOT PLAN

**ARLINGTON PARK 2  
LAGUNA BLUFFS  
CITY OF SACTO., COUNTY OF SACTO., CALIF.**



LOT COVERAGE: 28 %  
 (MAX. LOT. COV.=40%)  
 DIMENSIONS ARE APPROXIMATE

<b>LARCHMONT HOMES</b>			
3350 Watt Avenue, Suite D, Sacramento, Calif. 95821-3870 phone (916) 488-4500			
ADDRESS	CHESTERBROOK DRIVE		
PLAN NUMBER	3-C	SQ. FT.	5,991
DATE			
DRAWN BY	R.P.	APPROVED BY	
SCALE	1"=20'		
			LOT 2

# Certification of Compliance

## School District Development Fees

*(Print or Type) If Printing, press hard for four copies*

### PART I To be completed by the APPLICANT

OWNER'S NAME MJ BROCK & SONS  
 OWNER'S ADDRESS 3350 WATT AVE STE D SACRAMENTO, CA. 95821  
 PROJECT ADDRESS CHESTERBROOK DRIVE 6620 Chesterbrook  
 PARCEL NUMBER \_\_\_\_\_ LOT NO. B 2  
 SUBDIVISION NAME Arlington Park 2/Laguna Bluffs  
 NUMBER OF UNITS 1

*Upon payment of the fees listed below, a 90-day approval period commences upon which the applicant paying the fees may protest such fees. Any failure to file such protest within the 90-day period shall result in forfeiture of any rights to challenge such fees, through litigation or otherwise.*

APPLICANT'S SIGNATURE Linda S. Steinfeldt  
 TITLE OF APPLICANT Operations Administrator  
 DATE 10/2/88 PHONE NUMBER 488-4500

### PART II To be completed by BUILDING DEPARTMENT

PLAN IDENTIFICATION NUMBER 1975  
 BUILDING TYPE  
 RESIDENTIAL () APARTMENT/CONDOMINIUM ( ) COMMERCIAL/INDUSTRIAL ( )  
 SQUARE FEET OF CHARGEABLE BUILDING AREA \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_  
 TITLE \_\_\_\_\_ DATE \_\_\_\_\_

### PART III To be completed by SCHOOL DISTRICT

SCHOOL DISTRICT FULLER  
 DISTRICT CERTIFICATION NO. 21133  
 EXEMPT \_\_\_\_\_ COMMENTS \_\_\_\_\_

RESIDENTIAL APT/CONDO	<u>1975</u>	SQ FT X \$	<u>1.93</u>	= \$	<u>3811.75</u>
COMMERCIAL/INDUSTRIAL		SQ FT X \$		= \$	
OTHER FEE TYPE	<u>1975</u>	SQ FT X \$	<u>1.34</u>	= \$	<u>2646.50</u>
TOTAL FEES COLLECTED	<u>1975</u>		<u>3.27</u>	= \$	<u>6458.25</u>

This certification covers only the amount of square footage indicated above. Any additions or corrections to the square footage for this project will require an amendment to the Certificate of Compliance.

As the authorized school district official, I hereby certify that the requirements of Government Code Section 65995 and any other authorized requirements have been complied with by the above signed applicant.

### AUTHORIZED SCHOOL DISTRICT OFFICIAL

SIGNATURE \_\_\_\_\_  
 TITLE \_\_\_\_\_ DATE \_\_\_\_\_

Original: School District      1st copy: School District      2nd copy: Building Department      3rd copy: Applicant

COUNTY SANITATION DISTRICT NO. 1  
 SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT  
**SEWER IMPACT FEE** JME  
 PERMIT AND CALCULATION SHEET 6/10/98

APPLICATION NO: <u>City</u>	BLDG PERMIT NO:
GENERAL INFORMATION	THIS PERMIT GOOD ONLY WHEN VALIDATED BY THE CASHIER <u>2433.75</u> <u>6/10/98</u> - DEPT 26 SEWERWATER \$2,796.00 - TRN 366888 04/10/98 - RECEIPT 6488+1 034 \$2,796.00
	THIS PERMIT TO CONNECT EXPIRES ONE YEAR FROM DATE OF ISSUANCE

FEE CALCULATION		BUILDING USE	
INSPECTION	<u>0</u>	RESIDENTIAL SF <input checked="" type="checkbox"/>	MF <input type="checkbox"/>
CSD-1	<u>460</u>	COMMERCIAL USE	UNITS
SRCSD	<u>2336</u>		
CONSTRUCTION			
IN-LIEU			
<b>TOTAL FEE</b> <u>2796</u>			

APN: 117-213-005

DESCRIPTION/  
 SUBDIVISION Arlington Park 2/Laguna Bluff LOT: 2

PROPERTY ADDRESS 6620 Chesterbrook

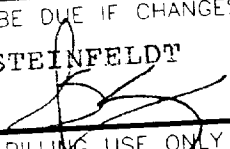
OWNER MJ BROCK AND SONS

MAILING ADDRESS 3350 WATT AVE STE D

CITY-STATE-ZIPAC, CA 95821 PHON 488-4500

ADDITIONAL FEES MAY BE DUE IF CHANGES IN USE INCREASE SEWER IMPACT.

LINDA S. STEINFELDT

APPLICANT SIGNATURE 

CONSOLIDATED UTILITY BILLING USE ONLY

ACCT \_\_\_\_\_ INPUT \_\_\_\_\_ START \_\_\_\_\_

INSPECTOR'S COPY