

CITY OF SACRAMENTO

Permit No: 9902078

1231 I Street, Sacramento, CA 95814

Insp Area: 2

Site Address: 3672 STARSTONE WY SAC

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

Parcel No: 049-0480-055

**CONTRACTOR**  
PACIFIC BUILDERS  
5421 87TH ST  
SACRAMENTO CA

95826

**OWNER**  
HEARD BARBARA  
3672 STARSTONE WY  
SACRAMENTO CA

95823

**ARCHITECT**

Nature of Work: 10 X 15 PATIO COVER

**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 A License Number 2171061 Date 3-5-99 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 2 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 3-5-99 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 STATE FUND Policy Number 692-98 UNIT 0002300 Exp Date 10/01/1999

\_\_\_\_ (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 3-5-99 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.**

**City of Sacramento Development Services Division  
Planning and Zoning Information Request**

Project Address: 3672 Starstone Wy

Assessor's Parcel Number: 049-0480-055

Current Land Use: R1

Description of Request/Proposed Use: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Zoning Designation: R1

Prior Applications for Project Site(P#,Z#,DRPB#): \_\_\_\_\_

Comments: 58x150 = 5800 . 40% Lot Cov. = 2320

Exist house = 1384

+ 150

1534 OK ✓

No Sp. Dist.

Are There Any Planning Issues?: (Circle One) YES  NO

Site Plan Check Required? (Circle One) YES  NO

Design Review/ Preservation Required?: (Circle One) YES  NO

Planning Review by/Date: [Signature] 3/5/99

A list of items that must be reviewed by Planning is provided on the reverse side of this form.

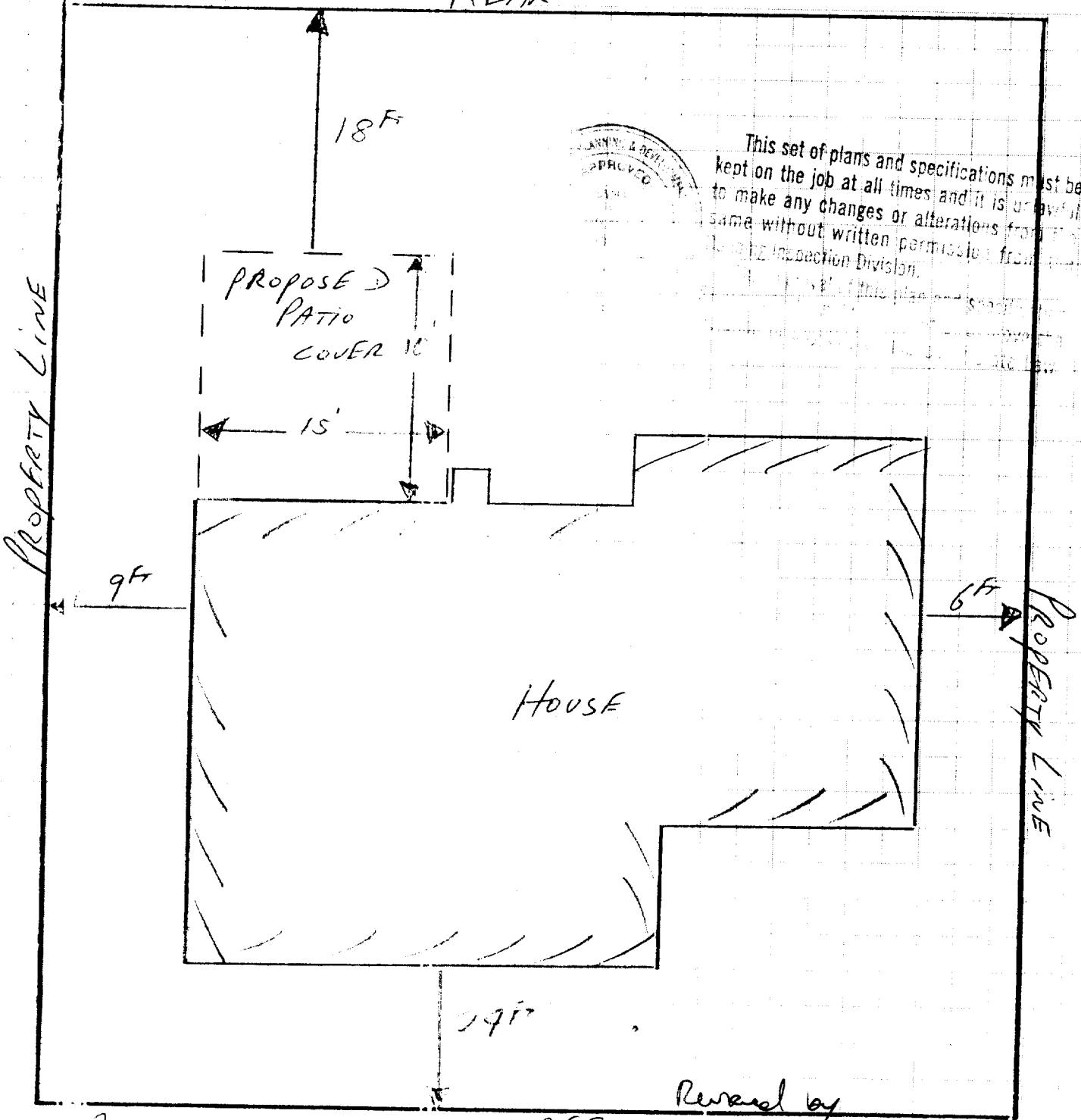
# PACIFIC BUILDERS

5421 84th Street  
 Sacramento, CA 95826  
 (916) 383-3168

## Work Sheet



REAR



This set of plans and specifications must be kept on the job at all times and it is unlawful to make any changes or alterations from the same without written permission from the Inspection Division.



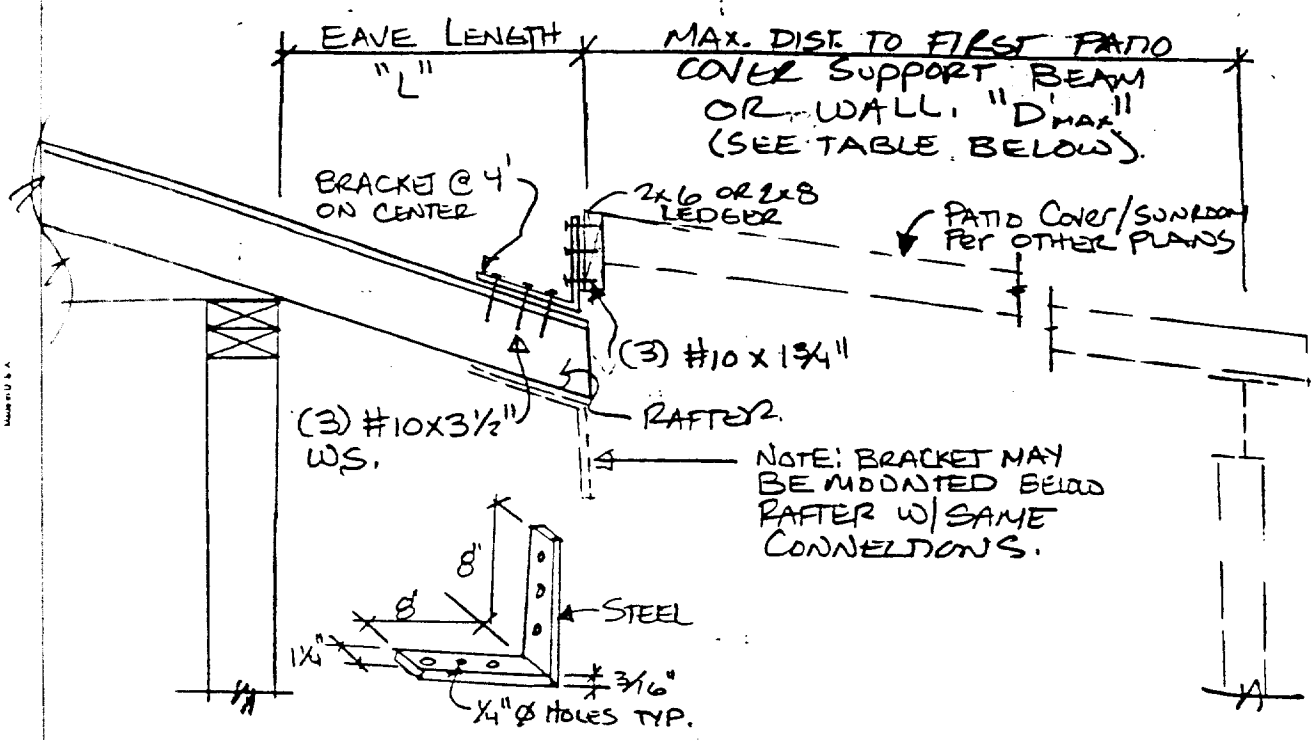
STREET

Reviewed by  
 Matt P. 3/5/99

Diagram and Size approved by customer

Name: BARBARA HEARD  
 Address: 3672 STARSTONE WAY  
 City: SACRAMENTO  
 Phone: 95823

13782 50 SHEETS FULL 5 SQUARE  
 45381 50 SHEETS PVE FAC 5 SQUARE  
 42380 20 SHEETS PVE FAC 5 SQUARE  
 42382 100 RECYCLED WHITE 5 SQUARE  
 42383 20 RECYCLED WHITE 5 SQUARE  
 Made in U.S.A.

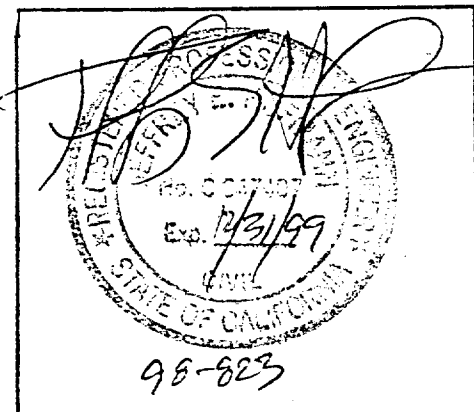


TYPICAL BRACKET  
 N.T.S.  
 "L" "Dmax"

ROOF LIVE LOAD (PSF)	RAFTER SPACING (IN)	EAVE LENGTH (IN)	MAX DISTANCE TO FIRST PATIO COVER SUPPORT BEAM OR WALL.
0	16	12	38'-10"
		16	29'-8"
		24	18'-3"
	24	12	25'-11"
		16	19'-3"
		24	12'-2"
20	16	12	22'-6"
		16	17'-3"
		24	10'-2"
	24	12	15'-0"
		16	11'-6"
		24	6'-8"

THIS DIMENSION SHOWN DOES NOT INCREASE THE ALLOWABLE SPAN OF ROOF AS SHOWN OF PATIO COVER PLAN

NOTE: THIS DETAIL IS INTEND FOR USE WITH PATIO COVERS/SUNROOMS THAT ARE USED Per 1994 USC, APPX 31, DIV III



STANDARD DETAIL FOR SUPPORT OF PATIO COVER @ EXISTING 2x4 (MIN) #2DF EAVE

JOB #: 97-704      DATE: 8/20/97

PACIFIC CONSULTING ENGINEERS  
 2130 BELL AVE., SUITE 145  
 SACRAMENTO, CA 95838

DESIGN: CONNECTION TO TOP OR BOTTOM OF EAVE FOR  
SUPPORT OF LATTICE COVER, PATIO COVER OR  
SUNROOM STRUCTURES INSTALLED PER REQUIREMENTS  
OF 1994 UBC APPENDIX 31 DIV. III

LOADS

LIVE LOAD = 10, 20 PSF

DEAD LOAD = 5 PSF (COVER)

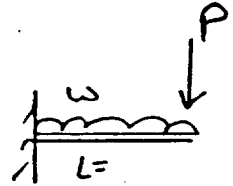
WIND: 80 MPH - PUP = 13 PSF

DEAD LOAD (EAVE) = 10 PSF

FIND MAX ALLOWABLE LOADS TO 2x4 EAVE (#2DF).

$$V_{ALL} = \frac{1.5(3.5)(95)(1.25)}{1.5} = 416\#$$

$$M_{ALL} = \frac{3,001 \text{ in}^3 (875) \sqrt{\text{SIZE}} \text{ LDF}}{12} (1.25) = 418 \text{ 1-}\#$$



$$\Delta_{ALL} = \frac{L(12)}{R. 180}$$

$$V_{ACT} = P + wL \leq 416\# \Rightarrow P_{MAX} = 416\# - wL \quad (1)$$

$$M_{ACT} = \frac{wL^2}{2} + PL \leq 418 \Rightarrow P_{MAX} = \frac{418 - \frac{wL^2}{2}}{L} \quad (2)$$

EI = 8575000

$$\Delta_{ACT} = \left[ \frac{wL^4}{8EI} + \frac{PL^3}{3EI} \right] (1728) \leq \frac{L(12)}{180} = \frac{L}{15}$$

$$\Rightarrow P_{MAX} = \left[ \frac{L}{15(1728)} - \frac{wL^4}{8EI} \right] \left( \frac{3EI}{L^3} \right) \quad (3)$$

USE P<sub>MIN</sub> FROM  
3 CASES!

FIND MAX TRIB WIDTH FROM COVER

← TO COVER

$$P_{trib} = \text{TRIB WIDTH} (LL + 5 \text{ PSF}) \left( \frac{\text{SPACING}}{12} \right)$$

$$\text{MAX TRIB WIDTH} = \frac{P \left( \frac{12}{\text{SPACING}} \right)}{(LL + 5 \text{ PSF})}$$

MAX DIST. TO FIRST PATIO COVER = 2 (TRIBUTARY WIDTH)  
SUPPORT.

PACIFIC CONSULTING ENGINEERS  
2100 BELL AVE., SUITE 145  
SACRAMENTO, CA 95833

SEE COMPUTER PRINT OUT NEXT PAGE

13 782 50 SHEETS, FALER 5 SOLAR  
42 281 50 SHEETS, VE LASH 5 SOLAR  
42 282 50 SHEETS, VE LASH 5 SOLAR  
42 283 50 SHEETS, VE LASH 5 SOLAR  
42 284 50 SHEETS, VE LASH 5 SOLAR  
42 285 100 RECYCLED WHITE 5 SOLAR  
42 286 200 RECYCLED WHITE 5 SOLAR  
MADE IN U.S.A.



**TABLE 1: MAXIMUM POINT LOAD TO 2x4 #2 DF EAVE**

EAVE LENGTH (INCHES)	10 PSF ROOF LIVE LOAD									
	16" RAFTER SPACING 26.67 = w, PLF			LOAD TO USE	MAX TRIB WIDTH FROM COVER	24" RAFTER SPACING 40.00 = w, PLF			LOAD TO USE	MAX TRIB WIDTH FROM COVER
	(V)	(M)	(DEFL)			(V)	(M)	(DEFL)		
12	338.96	405.37	982.48	388.96	19.45	375.63	398.70	977.48	375.63	12.965278
16	330.07	296.25	968.77	296.25	14.81	362.29	287.36	956.92	287.36	9.8749367
24	362.29	182.68	912.48	182.68	9.13	335.63	169.35	872.48	169.35	6.089464

EAVE LENGTH (INCHES)	20 PSF ROOF LIVE LOAD									
	16" RAFTER SPACING 40 = w, PLF			LOAD TO USE	MAX TRIB WIDTH FROM COVER	24" RAFTER SPACING 60 = w, PLF			LOAD TO USE	MAX TRIB WIDTH FROM COVER
	(V)	(M)	(DEFL)			(V)	(M)	(DEFL)		
12	375.63	398.70	977.48	375.63	11.27	355.63	388.70	969.98	355.63	7.51
16	362.29	287.36	956.92	287.36	8.62	335.63	274.03	939.14	274.03	5.75
24	335.63	169.35	872.48	169.35	5.08	295.63	149.35	812.48	149.35	3.39

	2x4 #2 DF		2x6 #2 DF
	(BASIC)	1.25	1.33
V <sub>all</sub>	332.50	415.63	442.23
M <sub>all</sub>	334.96	418.70	445.50
EI	8575000		

CONNECTION OF BRACKET TO EAVE RAFTER

T<sub>MAX</sub> = 389# (IF BRACKET MOUNTED TO BOTTOM OF EAVE.)

T<sub>ALL</sub> (#10 W/S w/ 1 1/2" PATTERN) = (95#/in) (1.15") = 142#/screw

MIN # OF SCREWS =  $\frac{389}{142} = 2.73 \Rightarrow$

LOSE (3) #10 W.S. FROM BRACKET TO EAVE RAFTER

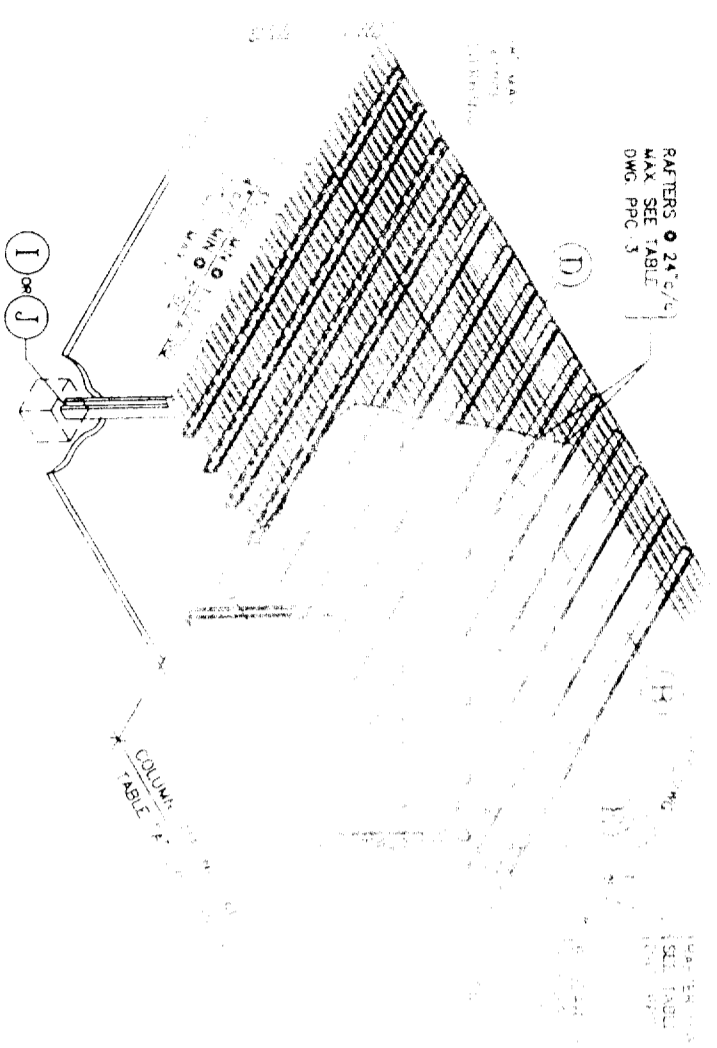
CONNECTION OF LEDGER TO BRACKET

V<sub>MAX</sub> = 389#

V<sub>ALL</sub> (#10 W/S) = (143#/screw) (1.25) = 178.75#/screw

MIN # OF SCREWS =  $\frac{389}{179} = 2.17 \Rightarrow$

LOSE (3) #10 W.S. FROM BRACKET TO LEDGER

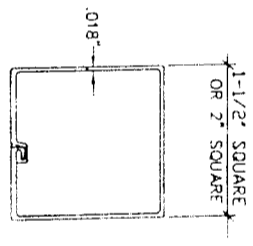
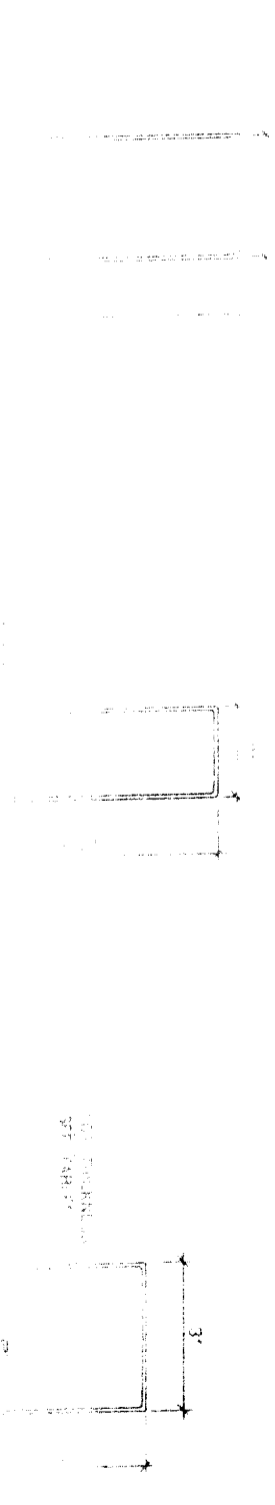


**ATTACHED PERGOLA PATIO COVER  
(WITH LATTICE COVERING)**

**GENERAL NOTES & SPECIFICATIONS**

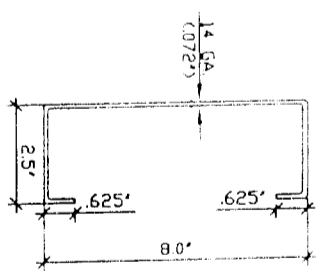
1. ALUMINUM DESIGN STRESSES ARE PER THE LATEST EDITION OF THE UNIFORM BUILDING CODE AND THE ALUMINUM CONSTRUCTION MANUAL.
2. ALTERNATE ALUMINUM ALLOYS MAY BE SUBSTITUTED FOR THOSE SHOWN, PROVIDED THEY ARE REGISTERED WITH THE ALUMINUM ASSOCIATION AND HAVE EQUAL OR GREATER YIELD AND ULTIMATE STRENGTHS.
3. ALL CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI. CONCRETE SLAB SHALL HAVE 3 1/2" MINIMUM THICKNESS AND SHALL BE IN GOOD CONDITION.
4. ALL FOOTINGS SHALL BEAR ON FIRM, NATURAL, UNDISTURBED SOIL OR CERTIFIED FILL. DESIGN VERTICAL SOIL BEARING PRESSURE = 1000 PSF.
5. ALL STEEL MEMBERS SHALL BE HOT DIP GALVANIZED OR ELECTROPLATED AND CONFORM TO ASTM SPEC. A-446 GRADE C UNLESS NOTED OTHERWISE.
6. ALUMINUM FASTENERS SHALL BE 2024-T4. ALL OTHER FASTENERS SHALL BE GALVANIZED, STAINLESS STEEL OR CADMIUM PLATED. ALL BOLTS SHALL CONFORM TO ASTM SPEC. A-307 AND HAVE STANDARD CUT PLATE WASHERS. HOLES FOR BOLTS SHALL BE BOLT DIAMETER PLUS 1/16 IN. MAXIMUM.
7. EXPANSION ANCHORS INTO CONCRETE SHALL BE ICBO EVALUATION SERVICE, INC. RECOGNIZED AND SHALL HAVE THE MINIMUM VALUES INDICATED IN TABLE "C". MINIMUM CONCRETE EDGE DISTANCE IS SIX (6) INCHES.
8. EACH INSTALLATION SHALL BEAR AN IDENTIFYING TAG GIVING THE NAME AND ADDRESS OF THE MANUFACTURER, DESIGN LOADS AND ENCLASIBILITY.
9. ALL ITEMS PERTAINING TO EACH PARTICULAR INSTALLATION SHALL BE CIRCLED (i.e. PROJECTION, POST SPACING, FOOTING DETAIL, ETC.)
10. LATTICE TYPE COVERS SHALL NOT BE ENCLOSED. PREESTRANDED COVERS OF ALL TYPES SHALL NOT BE ENCLOSED.
11. THE LATTICE TYPE STRUCTURES SHALL BE DESIGNED TO BEAR ALL DESIGN LOADS INCLUDING WIND, ICE, DESIGN LOADS HAVE ONLY BEEN APPLIED TO THE PERGOLA STRUCTURE AREA OF THE LATTICE, PARTS, BEAMS, ETC. PER ICBO CRITERIA.

**Sun Country™ Deluxe Lattice System**  
 Distributed by **VIKING BUILDERS, INC.** Las Vegas, Nevada



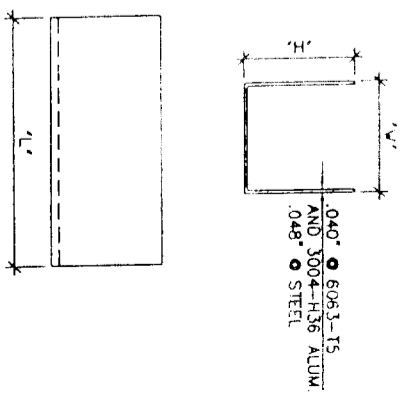
3004-H36 ALUM.

**LATTICE**

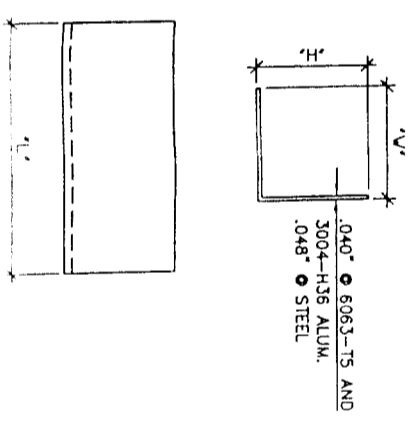


A-446 GRD. "D" STEEL  
(F<sub>y</sub> = 50 KSI)

**BEAM INSERT**



**TYPICAL "U" BRACKET**



**TYPICAL Z BRACKET**

Professional Engineer, State of Nevada  
 Registered Professional Engineer, Arizona  
 Registered Professional Engineer, New Mexico  
 Registered Professional Engineer, State of California

**MICHAEL M. VANCE**  
 No. 85758  
 Exp. 12-31-01

**MICHAEL M. VANCE**  
 No. 85758  
 Exp. 12-31-01

**MICHAEL M. VANCE**  
 No. 12558  
 Exp. 12-31-01

Manufactured by  
**TEXAS ALUMINUM INDUSTRIES, INC.**  
 2900 PATIO DRIVE HOUSTON, TEXAS 77017 (713)946-9000

ADDENDUM TO ICBO EVALUATION SERVICE INC. REPORT 1841P	SCALE: NONE	ASHTON VANCE & ASSOC., INC.	DRAWING DESCRIPTION: GENERAL NOTES, ISOMETRIC AND PART DETAILS (STEEL INSERT)	DRAWING NUMBER: PPC-1
DRAWN BY: cmv	DATE: MAR 31, 1996			

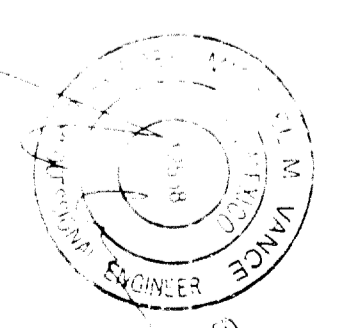
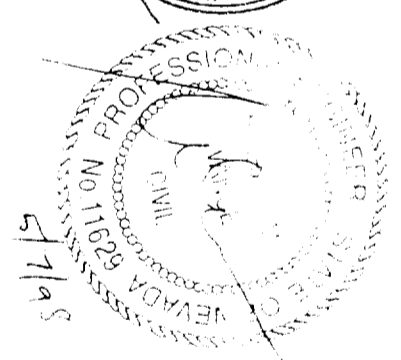
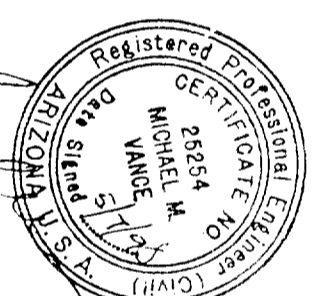
**RAFTER SPAN TABLE**

DESIGN LOAD	RAFTER TYPE: 2" X 6 1/2" X .024" THICK					
	24" SPACING	22" SPACING	20" SPACING	18" SPACING		
	SPAN	O'HANG	SPAN	O'HANG	SPAN	O'HANG
10 PSF L.L.	12'-5"	4'-6"	13'-0"	4'-6"	13'-0"	4'-6"
20 PSF L.L./S.L.	9'-3"	3'-6"	9'-8"	3'-8"	10'-2"	4'-0"
30 PSF S.L.	7'-8"	3'-0"	8'-0"	3'-0"	8'-5"	3'-3"
70 MPH THRU WIND *	12'-5"	4'-6"	13'-0"	4'-6"	13'-0"	4'-6"
RAFTER TYPE: 2" X 6 1/2" X .032" THICK						
10 PSF L.L.	16'-7"	4'-6"	17'-4"	4'-6"	17'-4"	4'-6"
20 PSF L.L./S.L.	12'-4"	4'-6"	12'-10"	4'-6"	13'-6"	4'-6"
30 PSF S.L.	10'-3"	4'-0"	10'-8"	4'-0"	11'-3"	4'-0"
70 MPH THRU WIND *	16'-7"	4'-6"	17'-4"	4'-6"	17'-4"	4'-6"
RAFTER TYPE: 2" X 6 1/2" X .040" THICK						
10 PSF L.L.	20'-9"	4'-6"	21'-8"	4'-6"	21'-8"	4'-6"
20 PSF L.L./S.L.	15'-5"	4'-6"	16'-1"	4'-6"	16'-11"	4'-6"
30 PSF S.L.	12'-10"	4'-0"	13'-4"	4'-0"	14'-0"	4'-0"
70 MPH THRU WIND *	16'-7"	4'-6"	21'-8"	4'-6"	21'-8"	4'-6"
RAFTER TYPE: 3" X 8" X .030" THICK						
10 PSF L.L.	17'-1"	4'-6"	17'-10"	4'-6"	17'-10"	4'-6"
20 PSF L.L./S.L.	12'-8"	4'-6"	13'-3"	4'-6"	13'-10"	4'-6"
30 PSF S.L.	10'-6"	4'-0"	11'-0"	4'-0"	11'-6"	4'-0"
70 MPH THRU WIND *	17'-1"	4'-6"	17'-10"	4'-6"	17'-10"	4'-6"
RAFTER TYPE: 3" X 8" X .036" THICK						
10 PSF L.L.	20'-8"	4'-6"	21'-7"	4'-6"	21'-7"	4'-6"
20 PSF L.L./S.L.	15'-4"	4'-6"	16'-0"	4'-6"	16'-10"	4'-6"
30 PSF S.L.	12'-9"	4'-0"	13'-4"	4'-0"	14'-0"	4'-0"
70 MPH THRU WIND *	20'-8"	4'-6"	21'-7"	4'-6"	21'-7"	4'-6"
RAFTER TYPE: 3" X 8" X .042" THICK						
10 PSF L.L.	23'-10"	4'-6"	25'-0"	4'-6"	25'-0"	4'-6"
20 PSF L.L./S.L.	17'-9"	4'-6"	18'-6"	4'-6"	19'-3"	4'-6"
30 PSF S.L.	14'-9"	4'-0"	15'-5"	4'-0"	16'-2"	4'-0"
70 MPH THRU WIND *	23'-10"	4'-6"	25'-0"	4'-6"	25'-0"	4'-6"

\* FOR PATIO COVERS THAT ARE TO BE SUPPORTED BY RAFTERS

**TRIBUTARY WIDTH TABLE**

MAXIMUM RAFTER OR ROOF PANEL SPAN	MAXIMUM RAFTER OR ROOF PANEL OVERHANG					
	0'-6"	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"
6'-0"	3'-6"	4'-0"	5'-0"	5'-6"	—	—
7'-0"	4'-0"	4'-6"	5'-6"	6'-0"	6'-6"	—
8'-0"	4'-6"	5'-0"	6'-0"	6'-6"	7'-0"	7'-6"
9'-0"	5'-0"	5'-6"	6'-6"	7'-0"	7'-6"	8'-0"
10'-0"	5'-6"	6'-0"	7'-0"	7'-6"	8'-0"	8'-6"
11'-0"	6'-0"	6'-6"	7'-6"	8'-0"	8'-6"	9'-0"
12'-0"	6'-6"	7'-0"	8'-0"	8'-6"	9'-0"	9'-6"
13'-0"	7'-0"	7'-6"	8'-6"	9'-0"	9'-6"	10'-0"
14'-0"	7'-6"	8'-0"	8'-6"	9'-6"	10'-0"	10'-6"
15'-0"	8'-0"	8'-6"	9'-0"	10'-0"	10'-6"	11'-0"
16'-0"	8'-6"	9'-0"	9'-6"	10'-6"	11'-0"	11'-6"
17'-0"	9'-0"	9'-6"	10'-0"	11'-0"	11'-6"	12'-0"
18'-0"	9'-6"	10'-0"	10'-6"	11'-6"	12'-0"	—
19'-0"	10'-0"	10'-6"	11'-0"	12'-0"	—	—
20'-0"	10'-6"	11'-0"	11'-6"	12'-0"	—	—
21'-0"	11'-0"	11'-6"	12'-0"	—	—	—
22'-0"	11'-6"	12'-0"	—	—	—	—
23'-0"	12'-0"	—	—	—	—	—



Manufactured by

TEXAS ALUMINUM INDUSTRIES, INC.



Sun Country™ Deluxe Lattice System

Distributed by VIKING BUILDERS, INC. Las Vegas, Nevada

APPENDIX TO ECHO EVALUATION SERVICE INC. REPORT	DATE	SCALE	DRAWN BY	DRAWING DESCRIPTION	DRAWING NUMBER
		NONE	ASHTON VANCE	RAFTER SPANS AND TRIBUTARY WIDTH TABLES	PPC-3



**TABLE "A" MAXIMUM COLUMN SPACING**

MAXIMUM TRIBUTARY WIDTH*	10 PSF LIVE LOAD, 20 MPH WIND LOAD		20 PSF LIVE LOAD, 40 MPH WIND LOAD		30 PSF LIVE LOAD, 60 MPH WIND LOAD	
	MAX. COL. SPACING	W/SQ. FT.	MAX. COL. SPACING	W/SQ. FT.	MAX. COL. SPACING	W/SQ. FT.
4'-0"	16'-9"	16	16'-9"	16	16'-9"	16
5'-0"	15'-0"	18	15'-0"	18	15'-0"	18
6'-0"	13'-7"	18	13'-7"	18	13'-7"	18
7'-0"	12'-7"	18	12'-7"	18	12'-7"	18
8'-0"	11'-10"	18	11'-10"	18	11'-10"	18
9'-0"	11'-2"	18	11'-2"	18	11'-2"	18
10'-0"	10'-7"	18	10'-7"	18	10'-7"	18
11'-0"	10'-1"	18	10'-1"	18	10'-1"	18
12'-0"	9'-8"	18	9'-8"	18	9'-8"	18

\* SEE TRIBUTARY WIDTH DRAWING PPG-3  
 \*\* NUMBER IN PARENTHESES IS THE COLUMN TYPE PER TABLE "B" BELOW  
 \*\*\* A 3 1/2 INCH THICK (MIN.) CONCRETE SLAB SHALL OCCUR UNDER THE ENTIRE COVER AND EXTEND 1'-9" MINIMUM BEYOND EXTERIOR FACE(S) OF COLUMNS

**TABLE "B" : COLUMN SCHEDULE**

COLUMN TYPE	COLUMN DESCRIPTION
(1)	3" SQ X 120" ALUM CENTER COLUMN
(2)	3" SQ X 120" STE CENTER COLUMN
(3)	3" SQ X 120" STE CENTER COLUMN
(4)	3" SQ X 120" STE CENTER COLUMN

\* MAY BE SUBSTITUTED FOR COLUMN (1)  
 \*\* MAY BE SUBSTITUTED FOR COLUMN (2)  
 \*\*\* MAY BE SUBSTITUTED FOR COLUMN (3)

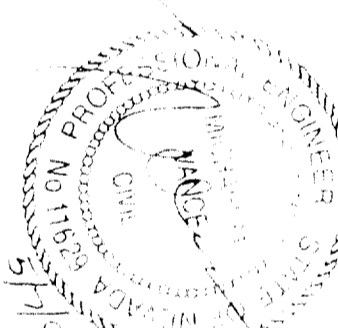
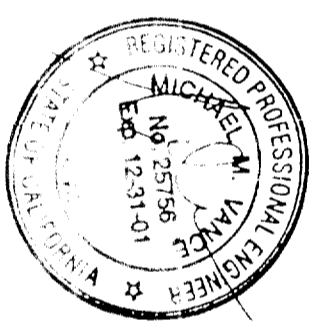
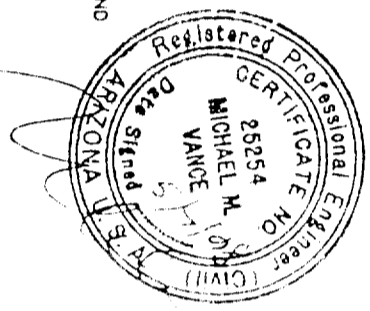
**Sum County, ND**

Distributed by...

**TABLE "A" MAXIMUM COLUMN SPACING**

MAXIMUM TRIBUTARY WIDTH*	10 PSF LIVE LOAD, 20 MPH WIND LOAD		20 PSF LIVE LOAD, 40 MPH WIND LOAD		30 PSF LIVE LOAD, 60 MPH WIND LOAD	
	MAX. COL. SPACING	W/SQ. FT.	MAX. COL. SPACING	W/SQ. FT.	MAX. COL. SPACING	W/SQ. FT.
4'-0"	16'-9"	16	16'-9"	16	16'-9"	16
5'-0"	15'-0"	18	15'-0"	18	15'-0"	18
6'-0"	13'-7"	18	13'-7"	18	13'-7"	18
7'-0"	12'-7"	18	12'-7"	18	12'-7"	18
8'-0"	11'-10"	18	11'-10"	18	11'-10"	18
9'-0"	11'-2"	18	11'-2"	18	11'-2"	18
10'-0"	10'-7"	18	10'-7"	18	10'-7"	18
11'-0"	10'-1"	18	10'-1"	18	10'-1"	18
12'-0"	9'-8"	18	9'-8"	18	9'-8"	18

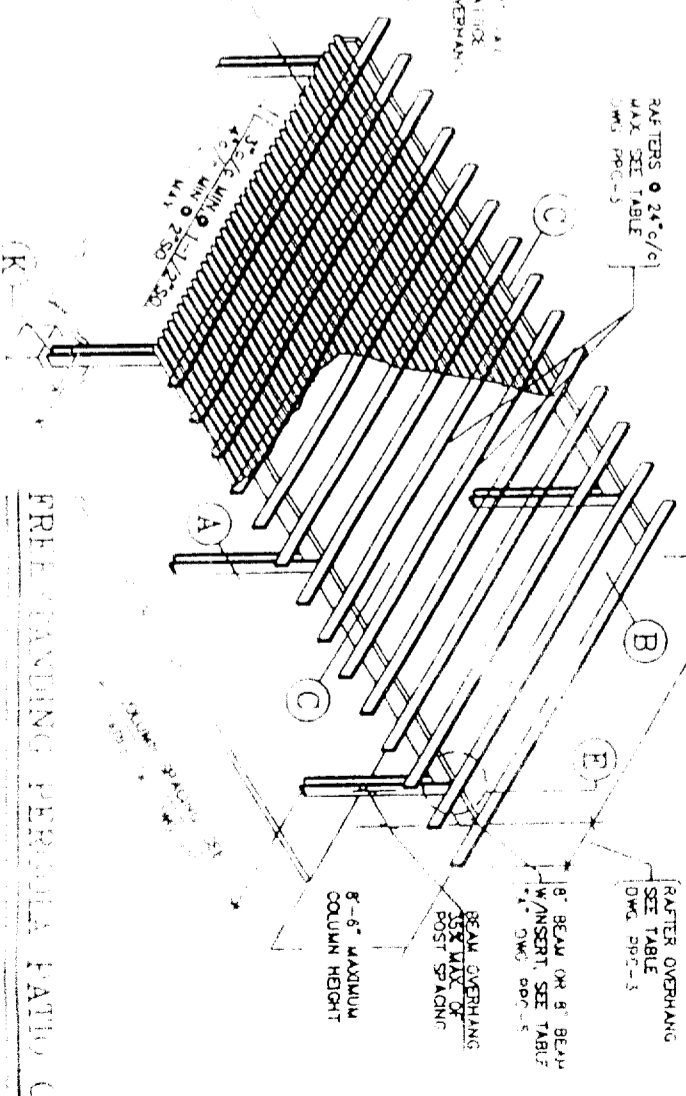
\* SEE TRIBUTARY WIDTH DRAWING PPG-3  
 \*\* NUMBER IN PARENTHESES IS THE COLUMN TYPE PER TABLE "B" BELOW  
 \*\*\* A 3 1/2 INCH THICK (MIN.) CONCRETE SLAB SHALL OCCUR UNDER THE ENTIRE COVER AND EXTEND 1'-9" MINIMUM BEYOND EXTERIOR FACE(S) OF COLUMNS



**TABLE "A" MAXIMUM COLUMN SPACING**

MAXIMUM TRIBUTARY WIDTH*	10 PSF SNOW LOAD, 70 MPH WIND LOAD		20 PSF SNOW LOAD, 140 MPH WIND LOAD		30 PSF SNOW LOAD, 210 MPH WIND LOAD	
	MAX. COL. SPACING	W/SQ. FT.	MAX. COL. SPACING	W/SQ. FT.	MAX. COL. SPACING	W/SQ. FT.
4'-0"	16'-9"	16	16'-9"	16	16'-9"	16
5'-0"	15'-0"	18	15'-0"	18	15'-0"	18
6'-0"	13'-7"	18	13'-7"	18	13'-7"	18
7'-0"	12'-7"	18	12'-7"	18	12'-7"	18
8'-0"	11'-10"	18	11'-10"	18	11'-10"	18
9'-0"	11'-2"	18	11'-2"	18	11'-2"	18
10'-0"	10'-7"	18	10'-7"	18	10'-7"	18
11'-0"	10'-1"	18	10'-1"	18	10'-1"	18
12'-0"	9'-8"	18	9'-8"	18	9'-8"	18

\* SEE TRIBUTARY WIDTH DRAWING PPG-3  
 \*\* NUMBER IN PARENTHESES IS THE COLUMN TYPE PER TABLE "B" BELOW  
 \*\*\* A 3 1/2 INCH THICK (MIN.) CONCRETE SLAB SHALL OCCUR UNDER THE ENTIRE COVER AND EXTEND 1'-9" MINIMUM BEYOND EXTERIOR FACE(S) OF COLUMNS



FREE STANDING PERILLA PATIO COVER (WITH LATTICE COVERING)

2900 PATIO DRIVE, BISMARCK, ND 58101



PPG-5

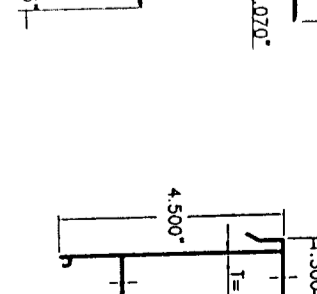
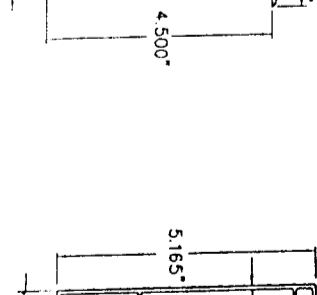
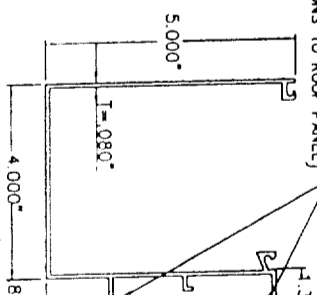
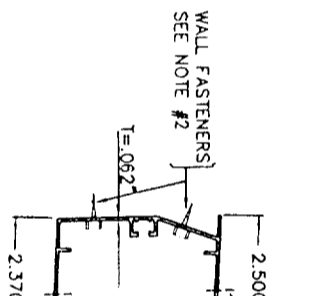
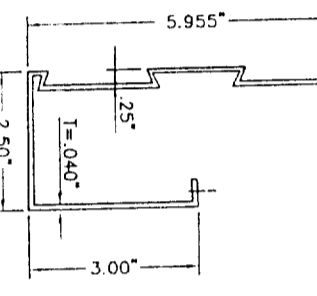
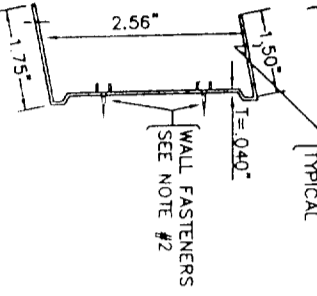
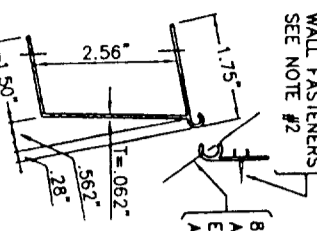
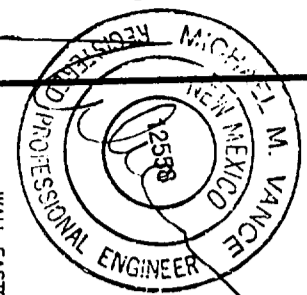
GENERAL NOTES FOR DRAWING PPC-7

SOLID ROOF PANEL SPANS

PANEL TYPE	PANEL THICKNESS	DESIGN LOADS						
		10 PSF LL	20 PSF LL/S.L.	30 PSF S.L.	70 MPH WIND ****	90 MPH WIND ****	100 MPH WIND	110 MPH WIND
MAXIMUM PANEL SPAN (MINIMUM SLOPE)								
2 1/2" x 6" ROLLFORM	.020"	12'-6" (.4°/FT.)	8'-11" (.4°/FT.)	7'-4" (.4°/FT.)	12'-6" (.4°/FT.)	11'-8" (.4°/FT.)	—	—
	.025"	14'-8" (.4°/FT.)	10'-7" (.4°/FT.)	8'-8" (.4°/FT.)	14'-8" (.4°/FT.)	14'-8" (.4°/FT.)	—	—
	.032"	17'-5" (.4°/FT.)	12'-7" (.4°/FT.)	10'-4" (.4°/FT.)	17'-5" (.4°/FT.)	17'-5" (.4°/FT.)	—	—
2 3/8" x 6" ROLLFORM	.018"	13'-8" (.4°/FT.)	7'-3" (.4°/FT.)	4'-11" (.4°/FT.)	13'-8" (.4°/FT.)	11'-1" (.4°/FT.)	—	—
	.024"	18'-3" (.4°/FT.)	12'-3" (.4°/FT.)	8'-3" (.4°/FT.)	18'-3" (.4°/FT.)	14'-9" (.4°/FT.)	—	—
	.032"	20'-0" (.4°/FT.)	16'-0" (.4°/FT.)	14'-0" (.4°/FT.)	20'-0" (.4°/FT.)	19'-4" (.4°/FT.)	—	—
3" INSULATED	.040"	21'-5" (.4°/FT.)	17'-2" (.4°/FT.)	15'-1" (.4°/FT.)	21'-5" (.4°/FT.)	21'-5" (.4°/FT.)	—	—
	.025"	16'-8" (.5°/FT.)	10'-10" (.5°/FT.)	8'-11" (.5°/FT.)	16'-8" (.5°/FT.)	16'-8" (.5°/FT.)	—	—
	.032"	18'-0" (.5°/FT.)	12'-3" (.5°/FT.)	10'-1" (.5°/FT.)	18'-0" (.5°/FT.)	18'-0" (.5°/FT.)	—	—

\* OR SKIN THICKNESS AT 3" INSULATED PANEL.  
 \*\* FROM ICB0 ER 4244P. BRUCE CHALLMAN ENGINEER OF RECORD.  
 \*\*\* FROM TEST DATA PROVIDED BY C.I. PROFESSIONAL SERVICES. WARREN CAVANAUGH ENGINEER OF RECORD.  
 \*\*\*\* HEIGHT LESS THAN 10'-0"

- INSULATED ROOF PANELS
  - THE PANEL FAGNS CONSIST OF .025" OR .032" THICK ALUMINUM SKINS OF 3004-H164 ALLOY.
  - THE ADHESIVE SHALL BE MOR AD M-434, A PROPRIETARY ADHESIVE MANUFACTURED BY MORTON CHEMICAL AND CONFORMING TO THE REQUIREMENTS OF A TYPE II, CLASS 2 ADHESIVE.
  - CORE SHALL BE PRE-FORMED 1.5#/FT<sup>3</sup> DENSITY EXPANDED POLYSTYRENE FOAM BY HOUSTON FOAM PLASTICS HAVING A FLAME SPREAD INDEX OF 5 WITH A SMOKE DENSITY OF 50-130 FOR THICKNESSES BETWEEN 2" AND 4".
  - THE MANUFACTURER OF ANY COMPONENT CITED IN ITEMS A.) THROUGH C.) ABOVE, SHALL CERTIFY TO THE COMPLIANCE OF EACH SHIPMENT OF THAT COMPONENT WITH APPLICABLE SPECIFICATION(S).
  - PANELS SHALL BE CONTINUOUS IN THE DIRECTION OF SLOPE WITH NO TRANSVERSE JOINTS.
  - MAXIMUM ALLOWABLE SPANS ARE AS SHOWN IN TABLE. DWG. PPC-7.
- WALL FASTENERS:
  - AT 10 PSF LIVE LOAD USE 1 - #12 WOOD SCREW AT 16" c/c EMBEDDED 1 1/2" MINIMUM INTO GROUP 2 OR BETTER LUMBER.
  - AT 20 PSF AND 30 PSF LIVE/ SNOW LOAD USE 2 - #12 WOOD SCREWS AT 16" c/c EMBEDDED 1 1/2" MINIMUM INTO GROUP 2 OR BETTER LUMBER.
- ENCLOSABILITY THESE UNITS MAY BE ENCLOSED WITH CURRENTLY RECOGNIZED ICB0 EVALUATION SERVICE, INC. PATIO COVER ENCLOSURE WALLS.
- SEE DRAWING PPC-1 FOR ADDITIONAL NOTES.



USE ONLY #10 PSF LL  
 EXTRUDED HANGER  
 (6061-T6 ALUM.)

ROLLED HANGER  
 (ALUM 3004-H36)

FRONT FASCIA  
 (ALUM 3004-H36)

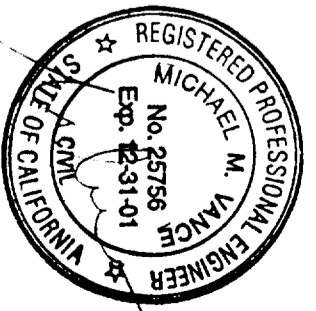
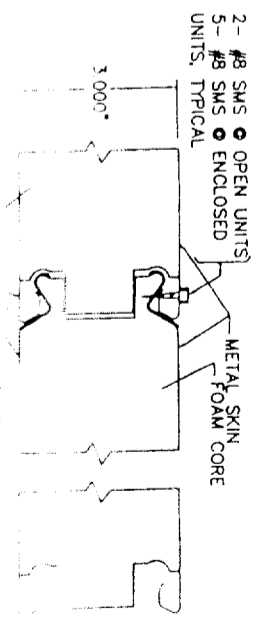
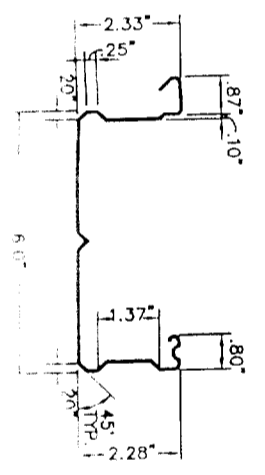
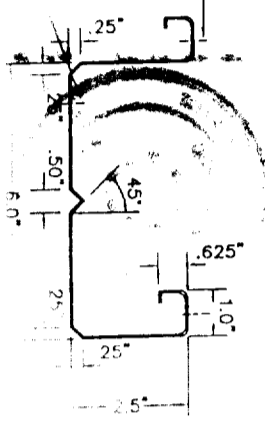
EXTRUDED HANGER  
 (6063-T6 ALUM.)

DELUXE CUTTER FASCIA  
 (6063-T6 ALUM.)

DELUXE SIDE FASCIA  
 (6063-T6 ALUM.)

STD. FASCIA TRIM  
 (6063-T6 ALUM.)

- 2-#8 SMS EA. PANEL LOCK OPEN UNITS.
  - 5-#8 SMS ENCLOSED UNITS.
- FASTENERS TO OCCUR WITHIN 1" OF VERTICAL LEG. TYPICAL



2-1/2" x 6" FLAT PANEL & ACCESSORIES

2 3/8" x 6" FLAT PANEL

3" INSULATED PANEL & ACCESSORIES

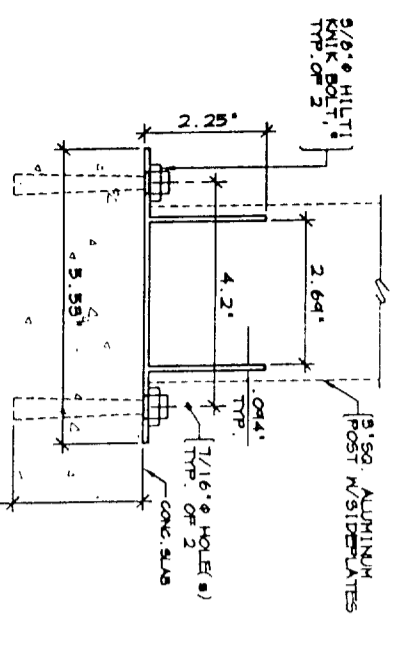
red by

Sun Country™ Deluxe Lattice System  
 Distributed by VANKO BUILDERS INC Las Vegas Nevada

APPENDIX TO ICB0 EVALUATION SERVICE INC REPORT 1841D

TEXAS ALUMINUM INDUSTRIES, INC.  
 2900 PATIO DRIVE HOUSTON, TEXAS 77017 (713)946-9000

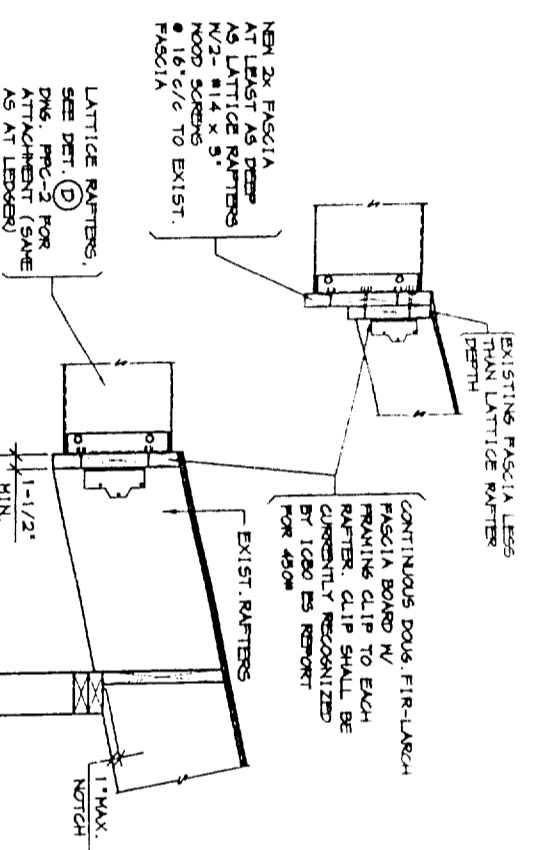
DRAWN BY CIV SCALE NONE ASHTON VANCE & ASSOC. INC DRAWING DESCRIPTION SOLID ROOF PANELS DRAWING NUMBER PPC-7



BRACKET IS 2-3/4" WIDE  
 (SEE DET. (D) FOR ATTACHMENT TO CONCRETE SLAB)  
 \* - OR ICBO RECOGNIZED EQUIVALENT WITH A MINIMUM TENSION VALUE OF 5750.  
 ALTERNATE TO "U" BRACKET SHOWN IN DETAIL (I) DRAWING PPC-2  
 (SEE ICBO EP-1841P)

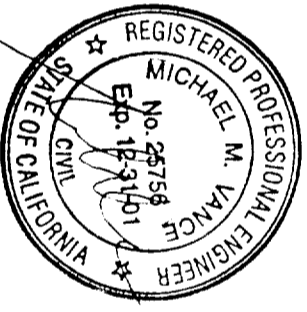
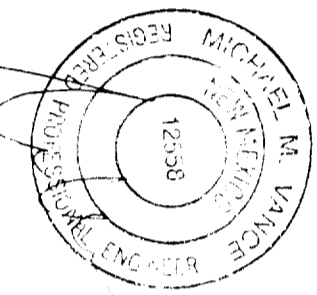
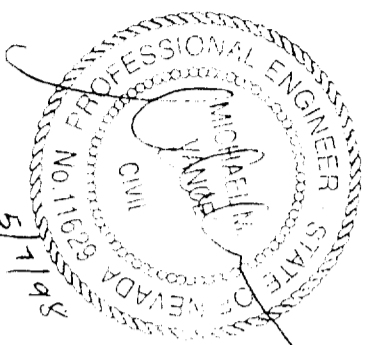
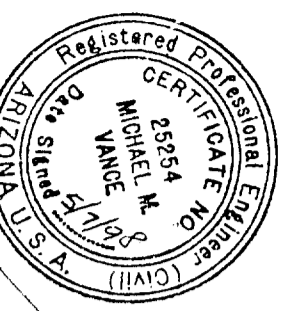
ALTERNATE SLAB ATTACHMENT (I)

NOTE: ALL CONNECTIONS NOT SHOWN ARE PER ORIGINAL DETAIL (I)



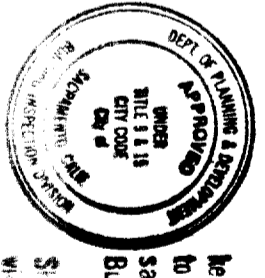
EXISTING FASCIA LESS THAN LATTICE RAFTER DEPTH  
 CONTINUOUS DOUG. FIR-LARCH FASCIA BOARD W/ FRAMING CLIP TO EACH RAFTER. CLIP SHALL BE CURRENTLY RECOGNIZED BY ICBO EP REPORT FOR 4504  
 EXIST. RAFTERS  
 LATTICE RAFTERS, SEE DET. (D) FOR ATTACHMENT (SAME AS AT LEADER)  
 NEW 2x FASCIA AT LEAST AS DEEP AS LATTICE RAFTERS W/ 2-#14 x 5" ROD SCREWS @ 16" O/C TO EXIST. FASCIA  
 FOR NOTCHED 2x4 USE WALL ATTACHMENT ONLY FOR OTHER RAFTERS. SEE EXISTING EAVE OVERHANG SCHEDULE THIS DRAWING  
 1" MAX. NOTCH  
 1-1/2" MIN.  
 "L" MAX.  
 ATTACHMENT AT EAVE (DD)

ATTACHMENT AT EAVE (DD)



EXISTING EAVE SCHEDULE FOR OPEN TYPE LATTICE PATIO COVER *			
SIZE OF EXISTING RAFTERS @ 24" C/C MAX. **	MAXIMUM LATTICE ROOF RAFTER SPAN ***		
	8'-0"	12'-0"	16'-0"
2x4 FULL	24"	24"	24"
2x6 NOTCHED	42"	36"	33"
2x6 FULL	42"	42"	42"
2x8 NOTCHED	42"	42"	42"
2x8 FULL	42"	42"	42"
* "L" MAXIMUM @ 20 PSF LL./S.L.			
2x4 FULL	24"	20"	18"
2x6 NOTCHED	33"	27"	24"
2x6 FULL	42"	36"	33"
2x8 NOTCHED	42"	42"	36"
2x8 FULL	42"	42"	42"
* "L" MAXIMUM @ 30 PSF S.L.			
2x4 FULL	21"	16"	12"
2x6 NOTCHED	27"	18"	18"
2x6 FULL	36"	30"	24"
2x8 NOTCHED	42"	36"	30"
2x8 FULL	42"	42"	36"

\*\* RAFTERS SHALL BE NO. 2 OR BETTER DOUGLAS FIR LARCH  
 \*\*\* WHERE LATTICE RAFTER SPAN EXCEEDS LISTED SPAN USE WALL CONNECTION.  
 \* FOR SOLID ROOF COVERS PER DRAWING PPC-8, SEE ICBO EP-5014P, DRAWING 455



Sun Country™ Deluxe Lattice System  
 Distributed by TIKING BUILDERS INC., Las Vegas, Nevada

ADDENDUM TO ICBO EVALUATION SERVICE INC. REPORT 1841P  
 DRAWN BY: SCALE: DATE: APPROVED BY: DATE:

Manufactured by TEXAS ALUMINUM INDUSTRIES, INC.  
 2900 PATIO DRIVE HOUSTON, TEXAS 77017 (713)946 9000  
 DRAWING DESCRIPTION: DETAIL DRAWING NUMBER: PPC-8

TABLE 7A MAXIMUM PERMISSIBLE SPACING  
10 PSF LIVE LOAD, 90 MPH WIND LOAD

MAXIMUM PERMISSIBLE SPACING	MAXIMUM PERMISSIBLE SPACING	MAXIMUM PERMISSIBLE SPACING
4'-0"	12'-9"	14'-5"
5'-0"	11'-4"	13'-5"
6'-0"	9'-7"	10'-5"
7'-0"	8'-3"	9'-7"
8'-0"	7'-2"	9'-0"
9'-0"	6'-5"	8'-6"
10'-0"	5'-9"	8'-1"
11'-0"	5'-3"	7'-8"
12'-0"	4'-9"	7'-4"

10 PSF LIVE LOAD, 100 MPH WIND LOAD

4'-0"	12'-9"	14'-5"
5'-0"	11'-4"	13'-5"
6'-0"	9'-7"	10'-5"
7'-0"	8'-3"	9'-7"
8'-0"	7'-2"	9'-0"
9'-0"	6'-5"	8'-6"
10'-0"	5'-9"	8'-1"
11'-0"	5'-3"	7'-8"
12'-0"	4'-9"	7'-4"

10 PSF LIVE LOAD, 110 MPH WIND LOAD

4'-0"	12'-9"	14'-5"
5'-0"	11'-4"	13'-5"
6'-0"	9'-7"	10'-5"
7'-0"	8'-3"	9'-7"
8'-0"	7'-2"	9'-0"
9'-0"	6'-5"	8'-6"
10'-0"	5'-9"	8'-1"
11'-0"	5'-3"	7'-8"
12'-0"	4'-9"	7'-4"

TABLE 7B MAXIMUM PERMISSIBLE SPACING  
20 PSF LIVE/SNOW LOAD, 90 MPH WIND LOAD

MAXIMUM PERMISSIBLE SPACING	MAXIMUM PERMISSIBLE SPACING	MAXIMUM PERMISSIBLE SPACING
4'-0"	8'-2"	9'-7"
5'-0"	6'-6"	8'-7"
6'-0"	5'-5"	7'-10"
7'-0"	4'-8"	7'-3"
8'-0"	4'-0"	6'-5"
9'-0"	3'-4"	6'-0"
10'-0"	2'-8"	5'-5"

20 PSF LIVE/SNOW LOAD, 100 MPH WIND LOAD

4'-0"	8'-2"	9'-7"
5'-0"	6'-6"	8'-7"
6'-0"	5'-5"	7'-10"
7'-0"	4'-8"	7'-3"
8'-0"	4'-0"	6'-5"
9'-0"	3'-4"	6'-0"
10'-0"	2'-8"	5'-5"

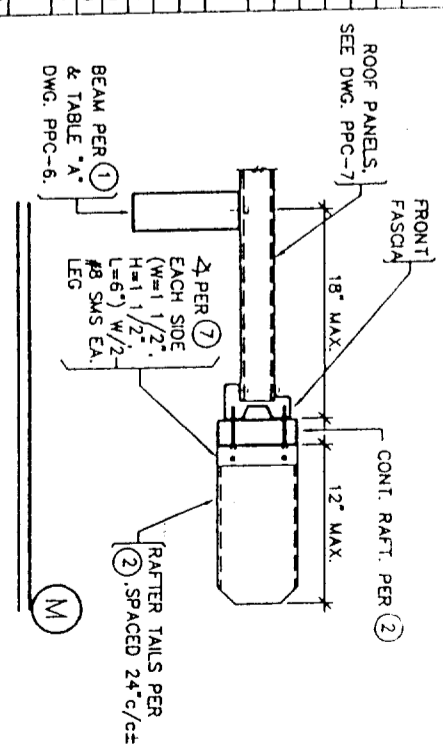
20 PSF LIVE/SNOW LOAD, 110 MPH WIND LOAD

4'-0"	8'-2"	9'-7"
5'-0"	6'-6"	8'-7"
6'-0"	5'-5"	7'-10"
7'-0"	4'-8"	7'-3"
8'-0"	4'-0"	6'-5"
9'-0"	3'-4"	6'-0"
10'-0"	2'-8"	5'-5"

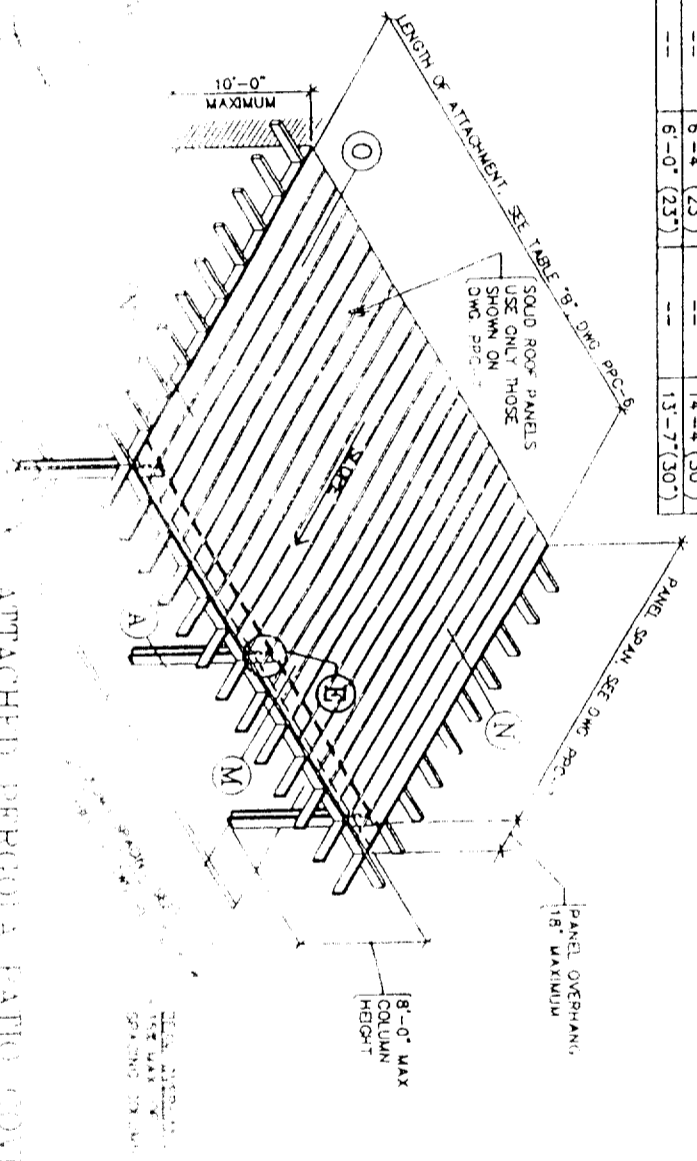
TABLE 8 MINIMUM ATTACHMENT LENGTH (L)  
TO PANEL SPAN (P/S) RATIO

WIND LOAD	MINIMUM L/P/S RATIO			
	70 mph	90 mph	100 mph	110 mph
OPEN	1.0	1.0	1.0	1.0
ENCLOSED	1.25	1.50	1.75	2.0

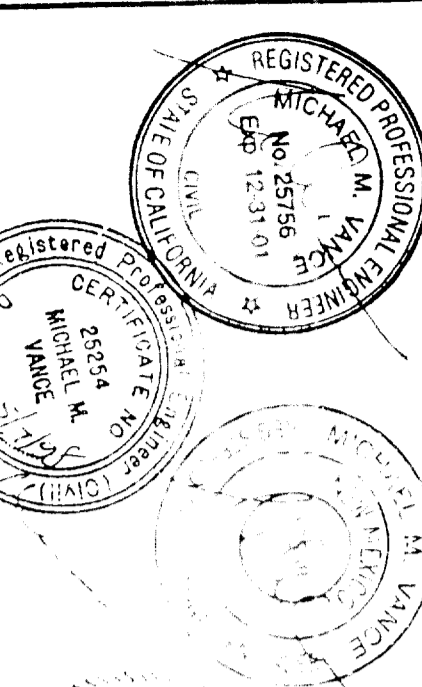
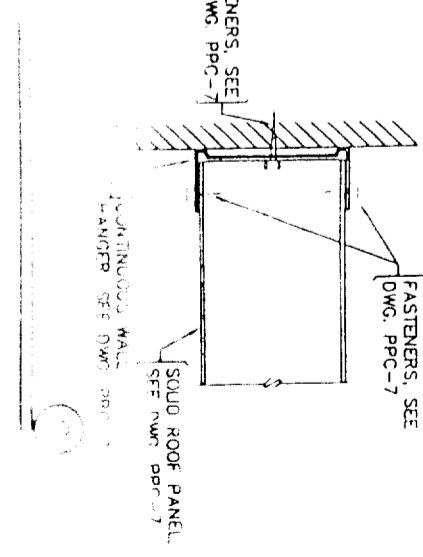
SEE NOTE #3, DRAWING PPC-7.



ATTACHED PERGOLA PATIO COVER  
(WITH SOLID COVERING)



WALL FASTENERS, SEE NOTE #2, DWG. PPC-7.



SEE TRIBUTARY WIDTH TABLE, DRAWING PPC-3  
USE COLUMN TYPE (1), (2), OR (3), TABLE 'B', DWG. PPC-4  
USE COLUMN TYPE (4) OR (5), TABLE 'B', DWG. PPC-4  
USE COLUMN TYPE (6) OR (7), TABLE 'B', DWG. PPC-4  
PARENTHESES IS SIZE OF CONCRETE CUBE FOOTING IN INCHES, WHERE FOOTING SIZE INDICATED EXCEEDS 28" CUBE. USE FOOTING DETAIL (K)

DESIGNED BY: MICHAEL M. VANCE  
DRAWN BY: MICHAEL M. VANCE  
CHECKED BY: MICHAEL M. VANCE  
DATE: 11/19/98  
PROJECT: PERGOLA PATIO COVER  
LOCATION: 77017 (713)946-9000  
DRAWING NUMBER: PPC-6

TABLE "A" MAXIMUM COLUMN SPACING

10 PSF LIVE LOAD, 70 MPH WIND LOAD

MAXIMUM TRIBUTARY WIDTH	MAXIMUM COLUMN SPACING	MIN. NUMBER OF COLUMNS
4'-0"	16'-9"	2 (2)
5'-0"	15'-0"	2 (2)
6'-0"	13'-7"	2 (2)
7'-0"	12'-7"	2 (2)
8'-0"	11'-10"	2 (3)
9'-0"	10'-7"	2 (3)
10'-0"	10'-1"	2 (3)
11'-0"	9'-1"	2 (3)
12'-0"	8'-4"	2 (3)

TABLE "A" MAXIMUM COLUMN SPACING

20 PSF LIVE/SNOW LOAD, 90 MPH WIND LOAD

MAXIMUM TRIBUTARY WIDTH	MAXIMUM COLUMN SPACING	MIN. NUMBER OF COLUMNS
4'-0"	11'-2"	2 (2)
5'-0"	10'-3"	2 (2)
6'-0"	9'-5"	2 (2)
7'-0"	8'-11"	2 (2)
8'-0"	8'-11"	2 (2)
9'-0"	8'-4"	2 (2)
10'-0"	7'-11"	2 (2)
11'-0"	7'-5"	2 (2)
12'-0"	7'-0"	2 (2)

TABLE "A" MAXIMUM COLUMN SPACING

30 PSF SNOW LOAD, 100 MPH WIND LOAD

MAXIMUM TRIBUTARY WIDTH	MAXIMUM COLUMN SPACING	MIN. NUMBER OF COLUMNS
4'-0"	9'-7"	2 (2)
5'-0"	8'-5"	2 (2)
6'-0"	7'-11"	2 (2)
7'-0"	7'-4"	2 (2)
8'-0"	6'-11"	2 (2)
9'-0"	6'-11"	2 (2)
10'-0"	6'-11"	2 (2)
11'-0"	6'-11"	2 (2)
12'-0"	6'-11"	2 (2)

10 PSF LIVE LOAD, 90 MPH WIND LOAD

4'-0"	16'-9"	2 (2)	2 (2)	2 (2)	2 (2)
5'-0"	15'-0"	2 (2)	2 (2)	2 (2)	2 (2)
6'-0"	13'-7"	2 (2)	2 (2)	2 (2)	2 (2)
7'-0"	12'-7"	2 (2)	2 (2)	2 (2)	2 (2)
8'-0"	11'-10"	2 (2)	2 (2)	2 (2)	2 (2)
9'-0"	10'-7"	2 (2)	2 (2)	2 (2)	2 (2)
10'-0"	10'-1"	2 (2)	2 (2)	2 (2)	2 (2)
11'-0"	9'-1"	2 (2)	2 (2)	2 (2)	2 (2)
12'-0"	8'-4"	2 (2)	2 (2)	2 (2)	2 (2)

20 PSF LIVE/SNOW LOAD, 100 MPH WIND LOAD

4'-0"	11'-2"	2 (2)	2 (2)	2 (2)	2 (2)
5'-0"	10'-3"	2 (2)	2 (2)	2 (2)	2 (2)
6'-0"	9'-5"	2 (2)	2 (2)	2 (2)	2 (2)
7'-0"	8'-11"	2 (2)	2 (2)	2 (2)	2 (2)
8'-0"	8'-11"	2 (2)	2 (2)	2 (2)	2 (2)
9'-0"	8'-4"	2 (2)	2 (2)	2 (2)	2 (2)
10'-0"	7'-11"	2 (2)	2 (2)	2 (2)	2 (2)
11'-0"	7'-5"	2 (2)	2 (2)	2 (2)	2 (2)
12'-0"	7'-0"	2 (2)	2 (2)	2 (2)	2 (2)

30 PSF SNOW LOAD, 110 MPH WIND LOAD

4'-0"	9'-7"	2 (2)	2 (2)	2 (2)	2 (2)
5'-0"	8'-5"	2 (2)	2 (2)	2 (2)	2 (2)
6'-0"	7'-11"	2 (2)	2 (2)	2 (2)	2 (2)
7'-0"	7'-4"	2 (2)	2 (2)	2 (2)	2 (2)
8'-0"	6'-11"	2 (2)	2 (2)	2 (2)	2 (2)
9'-0"	6'-11"	2 (2)	2 (2)	2 (2)	2 (2)
10'-0"	6'-11"	2 (2)	2 (2)	2 (2)	2 (2)
11'-0"	6'-11"	2 (2)	2 (2)	2 (2)	2 (2)
12'-0"	6'-11"	2 (2)	2 (2)	2 (2)	2 (2)

NUMBER IN PARENTHESIS IS SIZE OF CONCRETE CURB FOOTING IN INCHES. WHEN CURB SIZE EXCEEDS 28" USE FOOTING DETAIL (K) ONLY.  
 SEE TABLE "B" BELOW FOR DESCRIPTION. THE FIRST NUMBER IS FOR SPACES THAT ARE MAXIMUM IN HEIGHT. THE NUMBER IN PARENTHESIS IS FOR COLUMNS 8'-6" MAXIMUM IN HEIGHT.  
 \*\*\* SEE TRIBUTARY WIDTH DRAWING PPG-3

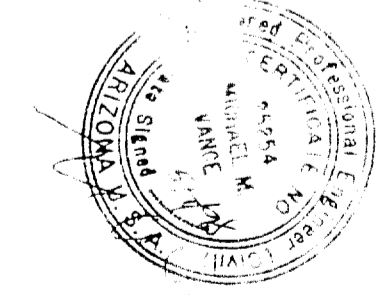
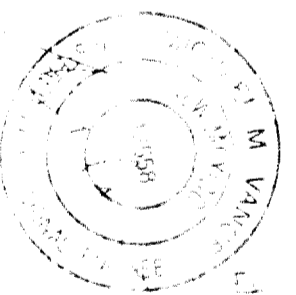
TABLE "C" ANCHORAGE TO FOOTING

MAXIMUM FOOTING SIZE	ANCHOR DESCRIPTION
20"	5/8" EXPANSION BOLT EMBR. TO 2-1/2" DIA. IN MINIMUM (750 LB. TENSION)
	5/8" EXPANSION BOLT EMBR. TO 2-1/2" DIA. IN MINIMUM (750 LB. TENSION)

TABLE "R" COLUMN SCHEDULE

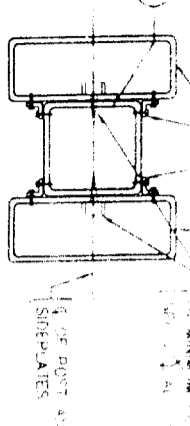
COLUMN TYPE	COLUMN DESCRIPTION
1	12" X 6 1/2" CENTER COLUMN
2	12" X 6 1/2" CENTER COLUMN
3	12" X 6 1/2" CENTER COLUMN
4	12" X 6 1/2" CENTER COLUMN

USE AT SLAB SUPPORTED UNITS ONLY.  
 USE AT SLAB SUPPORTED OR FOOTING SUPPORTED UNITS ONLY.  
 \*\*\* SEE TRIBUTARY WIDTH DRAWING PPG-3



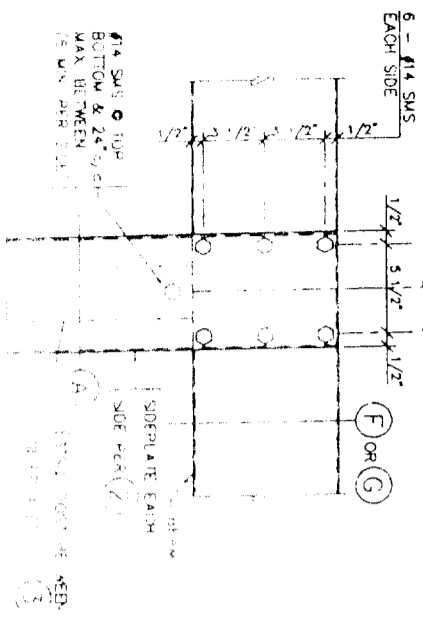
Sum Country™ Deluxe Lattice System

ALTERNATE  
 2" X 4" JOIST BOTTOM & END STUDS  
 W/2 - #12 WOOD SCREWS @ 16" C/C  
 W/4 - #12 WOOD SCREWS @ 16" C/C  
 1/2" X 1/2" MINIMUM

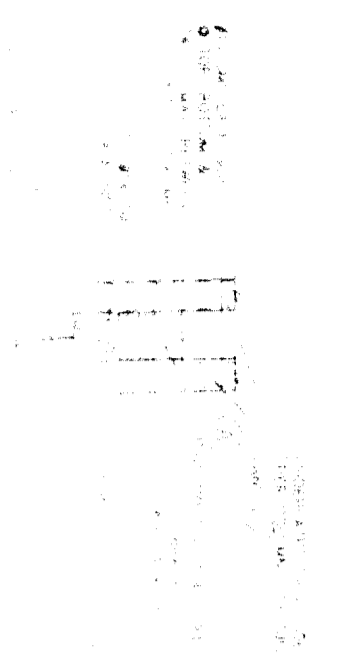


**TYPICAL POST/COLUMN (A)**

BEAM SPUCE SHALL OCCUR DIRECTLY OVER AN INTERIOR POST NOT PERMITTED



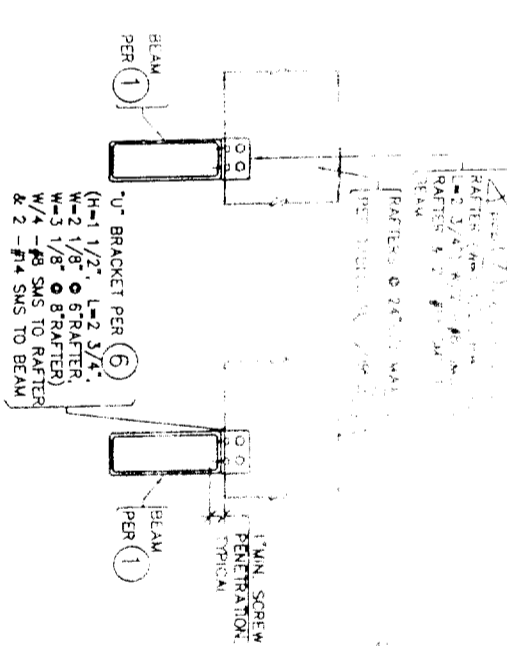
**BEAM TO POST (A)**



**LATTICE TO RAFTER (B)**

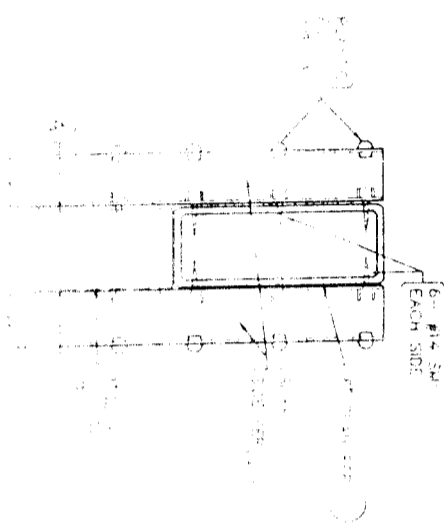
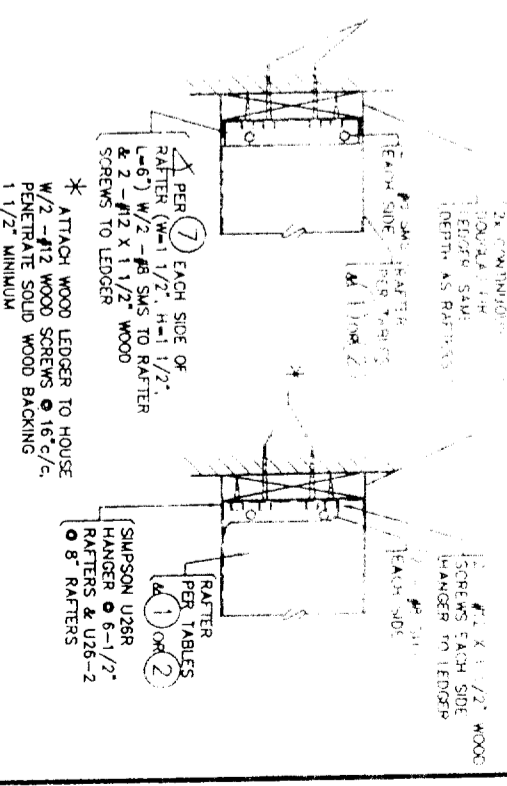


**RAFTER TO BEAM CONNECTION (C)**

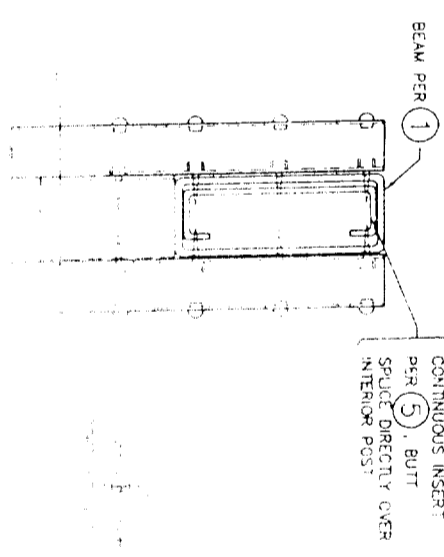
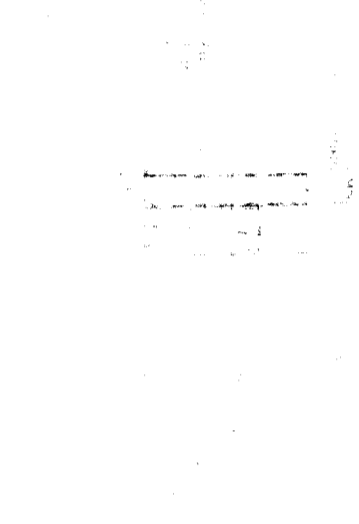


**WALL CONNECTION (D)**

(FOR EAVE ATTACHMENT, SEE DWG. PCC-8)



**BEAM CONNECTION (B)**



**BEAM CONNECTION (C)**

