

CITY OF SACRAMENTO

Permit No: 9809720

1231 I Street, Sacramento, CA 95814

Insp Area: 2

Site Address: 6011 WINDBREAKER WY SAC

Sub-Type: ASFR

Parcel No: 1170850071

Housing (Y/N): N

CONTRACTOR

PACIFIC BUILDERS
5421 87TH ST
SACRAMENTO CA

95826

OWNER

GALARPE BILLY R/JEAN
6011 WINDBREAKER WY
SACRAMENTO CA

95823

ARCHITECT

Nature of Work: 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 B1 License Number 217409 Date 10-1-98 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 10-1-98 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 STATE FUND Policy Number 1099 692-98 1017 2200

(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 10-1-98 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.

City of Sacramento Development Services Division
Planning and Zoning Information Request

Project Address: 6011 Windermere Way

Assessor's Parcel Number: 117-0850-071

Current Land Use: Res

Description of Request/Proposed Use: _____

new 20x14 patio cover

Zoning Designation: R-1

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

Comments: SETBACKS + LOT COVERAGE

O.K.

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

Site Plan Check Required? (Circle One) YES NO

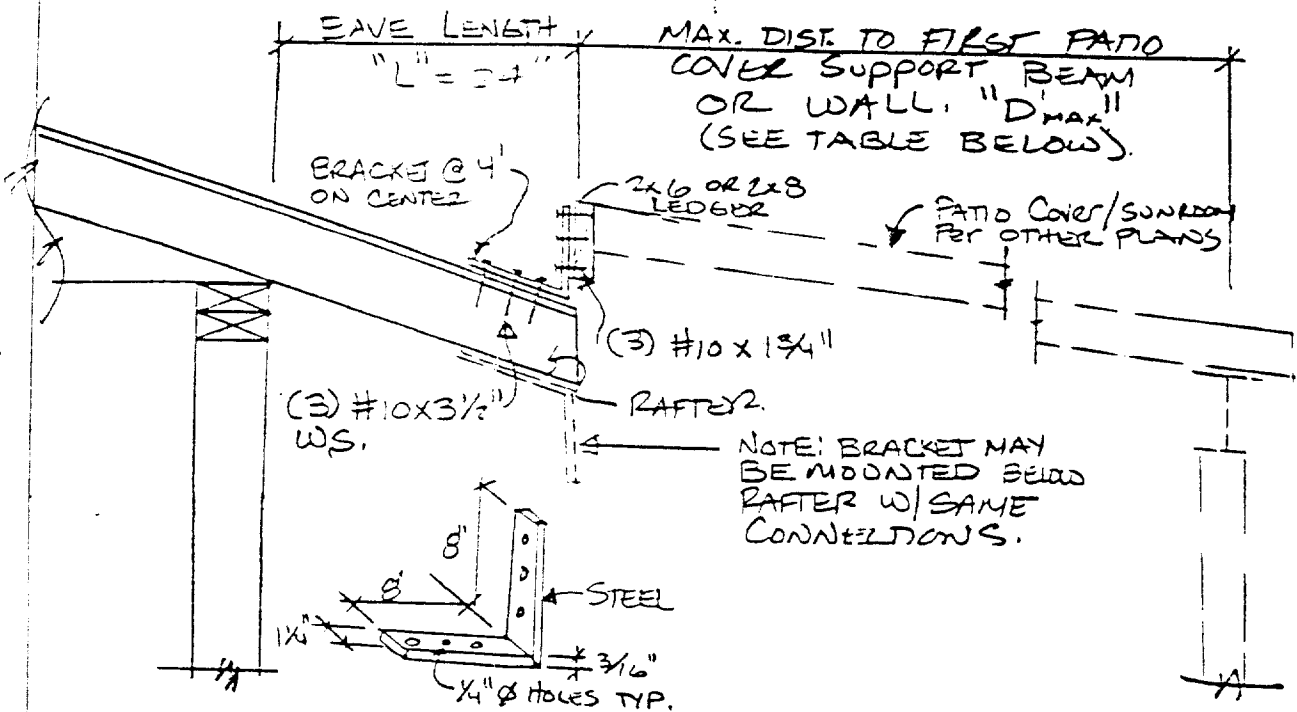
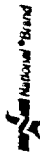
Design Review/ Preservation Required?: (Circle One) YES NO

Planning Review by/Date: [Signature] 10.1.98

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

Inspectors Copy

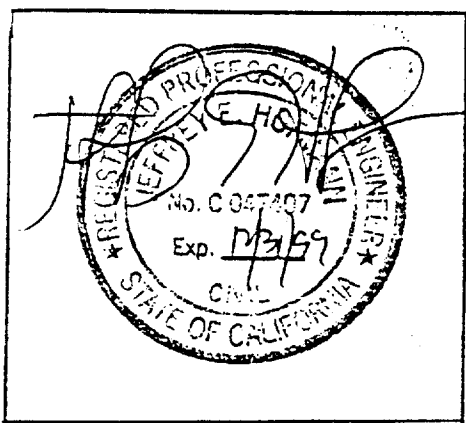
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ROOF LIVE LOAD (PSF)	RAFTER SPACING (IN)	EAVE LENGTH (IN)	MAX DISTANCE TO FIRST PATIO COVER SUPPORT BEAM OR WALL
10	16	12	38'-10"
		16	29'-8"
		24	18'-3"
	24	12	25'-11"
		16	19'-3"
		24	12'-2"
20	16	12	22'-6"
		16	17'-3"
		24	10'-2"
	24	12	15'-0"
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

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

NOTE: THIS DETAIL IS INTEND FOR USE WITH PATIO COVERS/SUN ROOMS THAT ARE USED Per 1994 UBC, 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
 2150 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).

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

$$M_{ALL} = \frac{3.06 \text{ in}^3 (875) \sqrt{\text{size}} \sqrt{LDF}}{12} (1.25) = 418 \text{ lbf} \quad \checkmark$$

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

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

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

$$EI = 8575000$$

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

$$\Rightarrow P_{MAX} = \left[\frac{L}{15(1728)} - \frac{WL^4}{8EI} \right] \left(\frac{3EI}{L^3} \right) \quad (3) \quad \text{USE } P_{MAX} \text{ FROM 3 CASES!}$$

FIND MAX TRIB WIDTH FROM COVER

$$P_{MAX} = \text{TRIB WIDTH} (LL + SPSF) \left(\frac{\text{SPACING}}{12} \right)$$

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

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

500 SHEETS FILLER 5 SQUARE
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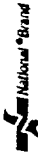


TABLE 1: MAXIMUM POINT LOAD TO 2x4 #2 DF EAVE

EAVE LENGTH (INCHES)	10 PSF ROOF LIVE LOAD									
	16" RAFTER SPACING 25.67 = 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	388.96	405.37	982.48	388.96	19.45	375.63	398.70	977.48	375.63	12.965278
16	380.07	296.25	968.77	296.25	14.81	362.29	287.36	956.92	287.36	9.8749367
24	362.29	182.58	912.48	182.58	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(all)	332.50	415.63	442.23
M(all)	334.96	418.70	445.50
EI	8575000		

CONNECTION OF BRACKET TO EAVE RAFTER

$T_{MAX} = 389\#$ (IF BRACKET MOUNTED TO BOTTOM OF EAVE.)

TAIL (#10 WS w/ 1/2" PNET) = $(95\#/in) (1.15") = 142\#/\text{screw}$

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

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

CONNECTION OF LEDGER TO BRACKET

$V_{MAX} = 389\#$

$V_{ALL} (\#10 WS) = (143\#/\text{screw}) (1.25) = 178.75\#/\text{screw}$

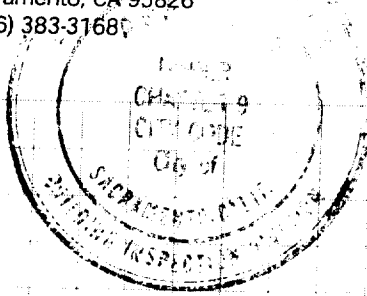
MIN # OF SCREWS = $\frac{389}{179} = 2.17 \Rightarrow$

LOSE (3) #10 WS. FROM BRACKET TO LEDGER

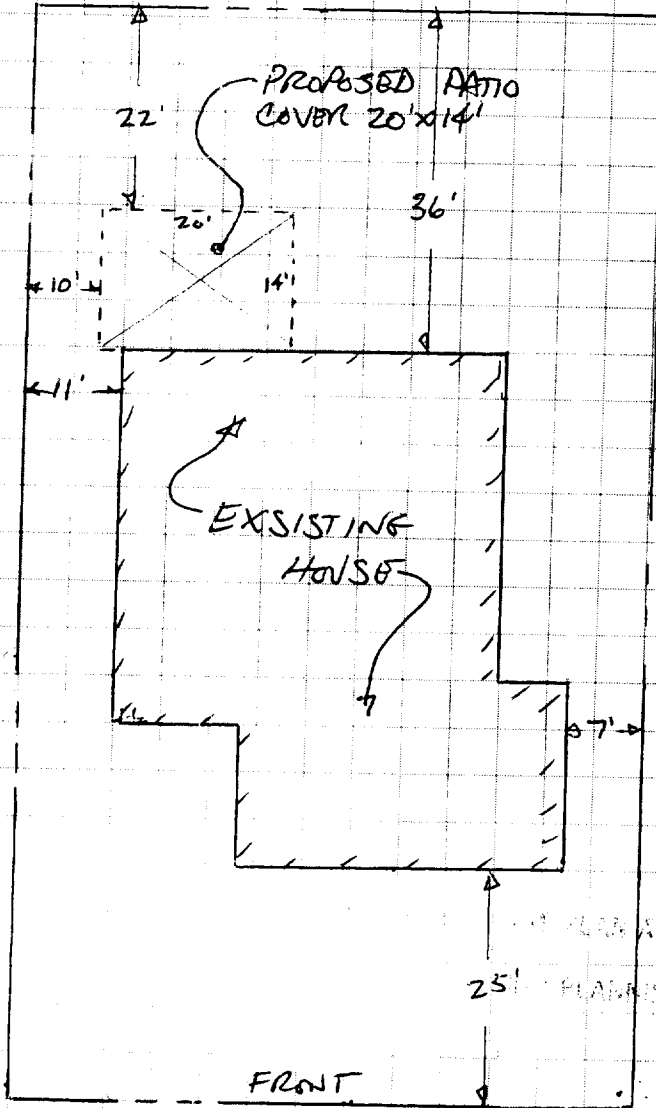
PACIFIC BUILDERS®

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

Work Sheet



...the
 ...to make
 ...of
 Building
 The
 SHALL
 violation of ... or State Law.



ISSUED

OCT 01 1998

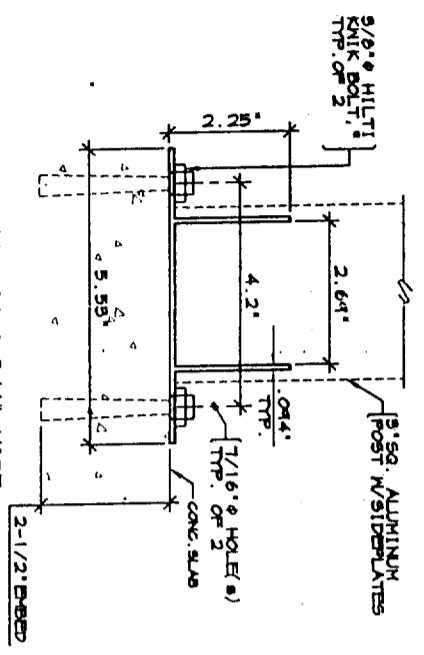
Sacramento Building Division

10.1.98

BY HP

Name: BILLY + JEAN SALARPE
 Address: 6011 WINDBREAKER
 City: 52K GLOVE
 Phone: _____

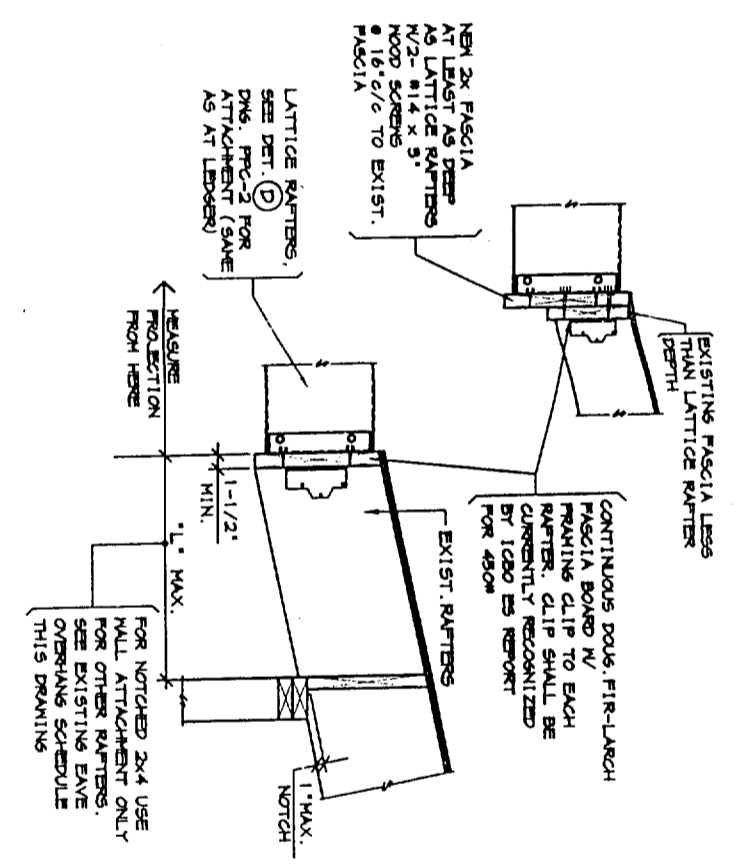
Diagram and Size approved by customer



BRACKET 15-2-3/4" WIDE
 (SEE 1000 ER-1841P)
 ALTERNATE TO "U" BRACKET SHOWN
 IN DETAIL ① DRAWING PPC-2

ALTERNATE SLAB ATTACHMENT ①

NOTE: ALL CONNECTIONS NOT SHOWN ARE PER ORIGINAL DETAIL ①



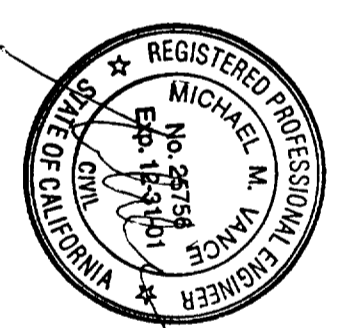
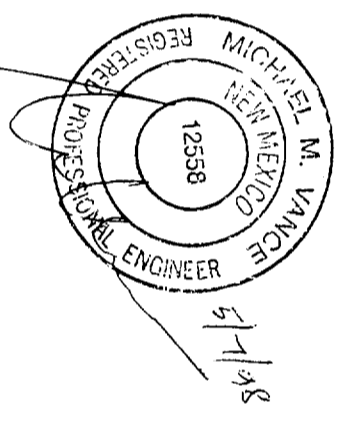
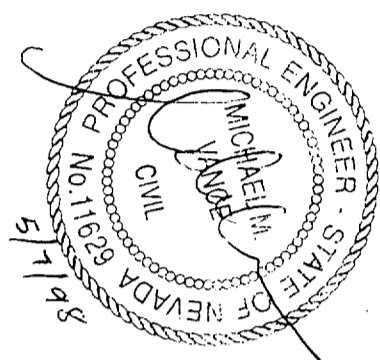
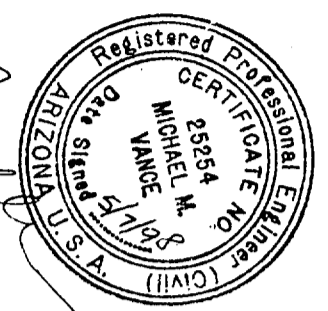
ATTACHMENT AT EAVE ②

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 L.L./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"

* FOR SOLID ROOF COVERS PER DRAWING PPC-6, SEE ICBO ER-5014P, DRAWING 486.

** RAFTERS SHALL BE No. 2 OR BETTER DOUGLAS FIR LARCH.

*** WHERE LATTICE RAFTER SPAN EXCEEDS LISTED SPAN USE WALL CONNECTION.



Manufactured by

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

ADDENDUM TO ICBO EVALUATION SERVICE INC. REPORT 1841P

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

DRAWN BY: CIVIL SCALE: NONE DATE: MAR. 31, 1998
 ASHTON VANCE & ASSOC., INC.

DRAWING DESCRIPTION: DETAILS DRAWING NUMBER: PPC-8

TABLE "A" MAXIMUM COLUMN SPACING

10 PSF LIVE LOAD, 70 MPH WIND LOAD

MAXIMUM TRIBUTARY WIDTH ***	MAXIMUM COLUMN SPACING			MIN. NUMBER OF COLUMNS			
	5" X 8" X .042" BEAM AT SLAB	5" X 8" BEAM W/INSERT AT FIG. *	5" X 8" BEAM W/INSERT AT FIG. *	1	2	3	4
4'-0"	16'-9"	15'-0"	25'-0"	2	2	2	2
5'-0"	15'-0"	15'-0"	20'-0"	2	2	2	2
6'-0"	13'-7"	13'-7"	16'-8"	2	2	2	2
7'-0"	12'-7"	12'-7"	14'-3"	2	2	2	2
8'-0"	11'-10"	11'-10"	12'-6"	2	2	2	2
9'-0"	11'-1"	11'-1"	11'-2"	2	2	2	2
10'-0"	10'-7"	10'-7"	10'-0"	2	2	2	2
11'-0"	10'-1"	10'-1"	9'-1"	2	2	2	2
12'-0"	8'-4"	8'-4"	8'-4"	2	2	2	2

10 PSF LIVE LOAD, 90 MPH WIND LOAD

4'-0"	16'-9"	16'-9"	25'-0"	2	2	2	2
5'-0"	15'-0"	15'-0"	20'-0"	2	2	2	2
6'-0"	13'-7"	13'-7"	16'-8"	2	2	2	2
7'-0"	12'-7"	12'-7"	14'-3"	2	2	2	2
8'-0"	11'-10"	11'-10"	12'-6"	2	2	2	2
9'-0"	11'-1"	11'-1"	11'-2"	2	2	2	2
10'-0"	10'-7"	10'-7"	10'-0"	2	2	2	2
11'-0"	10'-1"	10'-1"	9'-1"	2	2	2	2
12'-0"	8'-4"	8'-4"	8'-4"	2	2	2	2

10 PSF LIVE LOAD, 100 MPH WIND LOAD

4'-0"	16'-9"	16'-9"	25'-0"	2	2	2	2
5'-0"	15'-0"	15'-0"	20'-0"	2	2	2	2
6'-0"	13'-7"	13'-7"	16'-8"	2	2	2	2
7'-0"	12'-7"	12'-7"	14'-3"	2	2	2	2
8'-0"	11'-10"	11'-10"	12'-6"	2	2	2	2
9'-0"	11'-1"	11'-1"	11'-2"	2	2	2	2
10'-0"	10'-7"	10'-7"	10'-0"	2	2	2	2
11'-0"	10'-1"	10'-1"	9'-1"	2	2	2	2
12'-0"	8'-4"	8'-4"	8'-4"	2	2	2	2

TABLE "A" MAXIMUM COLUMN SPACING

20 PSF LIVE/SNOW LOAD, 70 MPH WIND LOAD

MAXIMUM TRIBUTARY WIDTH ***	MAXIMUM COLUMN SPACING			MIN. NUMBER OF COLUMNS			
	5" X 8" X .042" BEAM AT SLAB	5" X 8" BEAM W/INSERT AT FIG. *	5" X 8" BEAM W/INSERT AT FIG. *	1	2	3	4
4'-0"	12'-6"	12'-6"	13'-9"	2	2	2	2
5'-0"	11'-2"	11'-2"	11'-2"	2	2	2	2
6'-0"	9'-3"	9'-3"	10'-2"	2	2	2	2
7'-0"	7'-11"	7'-11"	9'-6"	2	2	2	2
8'-0"	6'-11"	6'-11"	8'-10"	2	2	2	2
9'-0"	6'-2"	6'-2"	8'-4"	2	2	2	2
10'-0"	5'-6"	5'-6"	7'-11"	2	2	2	2

20 PSF LIVE/SNOW LOAD, 90 MPH WIND LOAD

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

20 PSF LIVE/SNOW LOAD, 100 MPH WIND LOAD

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

TABLE "A" MAXIMUM COLUMN SPACING

30 PSF SNOW LOAD, 70 MPH WIND LOAD

MAXIMUM TRIBUTARY WIDTH ***	MAXIMUM COLUMN SPACING			MIN. NUMBER OF COLUMNS			
	5" X 8" X .042" BEAM AT SLAB	5" X 8" BEAM W/INSERT AT FIG. *	5" X 8" BEAM W/INSERT AT FIG. *	1	2	3	4
4'-0"	9'-7"	9'-7"	10'-5"	2	2	2	2
5'-0"	7'-8"	7'-8"	9'-4"	2	2	2	2
6'-0"	6'-5"	6'-5"	8'-6"	2	2	2	2
7'-0"	5'-6"	5'-6"	7'-11"	2	2	2	2
8'-0"	4'-9"	4'-9"	7'-4"	2	2	2	2
9'-0"	4'-3"	4'-3"	6'-11"	2	2	2	2

30 PSF SNOW LOAD, 90 MPH WIND LOAD

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

30 PSF SNOW LOAD, 100 MPH WIND LOAD

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

NUMBER IN PARENTHESIS IS SIZE OF CONCRETE CUBE FOOTING IN INCHES. WHERE FOOTING SIZE EXCEEDS 28" USE FOOTING DETAIL (K) ONLY.
 ** SEE TABLE "B" BELOW FOR DESCRIPTION. THE FIRST NUMBER IS FOR POSTS THAT ARE 8'-0" MAXIMUM IN HEIGHT. THE NUMBER IN PARENTHESIS IS FOR COLUMNS 8'-6" MAXIMUM IN HEIGHT.
 *** SEE TRIBUTARY WIDTH TABLE, DRAWING PPC-3.

TABLE "B" : COLUMN SCHEDULE

COLUMN TYPE	COLUMN DESCRIPTION
1	3" SQ. X .024" CENTER COLUMN W/ 2" X 6 1/2" X .024" SIDEPLATES *
2	3" SQ. X .024" CENTER COLUMN W/ 2" X 6 1/2" X .032" SIDEPLATES *
3	3" SQ. X .046" CENTER COLUMN W/ 2" X 6 1/2" X .024" SIDEPLATES **
4	3" SQ. X .046" CENTER COLUMN W/ 2" X 6 1/2" X .032" SIDEPLATES **

* USE AT SLAB SUPPORTED UNITS ONLY.
 ** USE AT SLAB SUPPORTED OR FOOTING SUPPORTED UNITS

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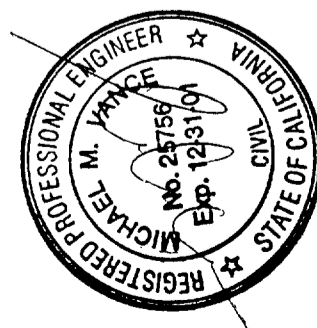
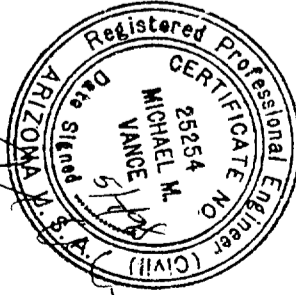
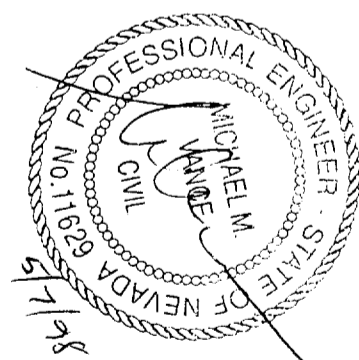
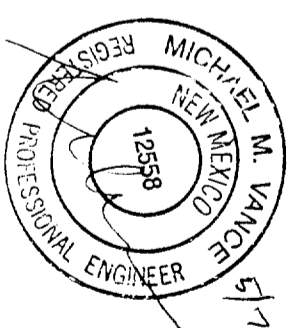
TABLE "C" : ANCHORAGE TO FOOTING

MAXIMUM FOOTING SIZE	ANCHOR DESCRIPTION *
20"	5/8" EXPANSION BOLT EMBEDDED 2-3/4 INCHES MINIMUM (750 LB. TENSION).
23"	5/8" EXPANSION BOLT EMBEDDED 4 INCHES MINIMUM (1125 LB. TENSION).
25"	5/8" EXPANSION BOLT EMBEDDED 7 INCHES MINIMUM (1500 LB. TENSION).
28"	5/8" DEFORMED HEAD BOLT (HEX. SQUARE HEAD, OR ANCHOR BOLT) EMBEDDED 6 INCHES MINIMUM **
31"	DETAIL (K)

* EXPANSION BOLTS SHALL BE HILTI KB-II CARBON STEEL PER ICBO ER 4627 OR ICBO EVALUATION SERVICE INC. RECOGNIZED EQUIVALENT WITH TENSION VALUES AS INDICATED
 ** THESE BOLTS MAY BE SUBSTITUTED FOR EXPANSION BOLTS SHOWN.

ADDENDUM TO ICBO EVALUATION SERVICE INC. REPORT 1841P

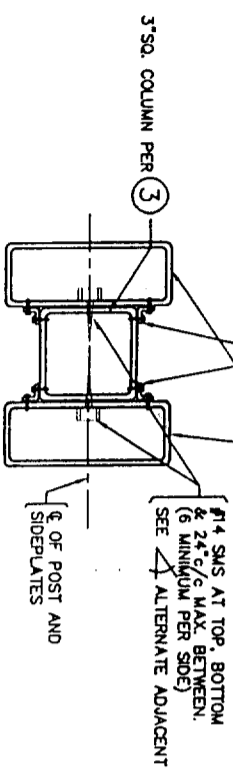
DRAWN BY: **ASHTON VANCE**
 SCALE: NONE
 DATE: MAR. 31, 1998
 & ASSOC., INC.



TEXAS ALUMINUM INDUSTRIES, INC.
 2900 PATTO DRIVE HOUSTON, TEXAS 77017 (713)948-9000

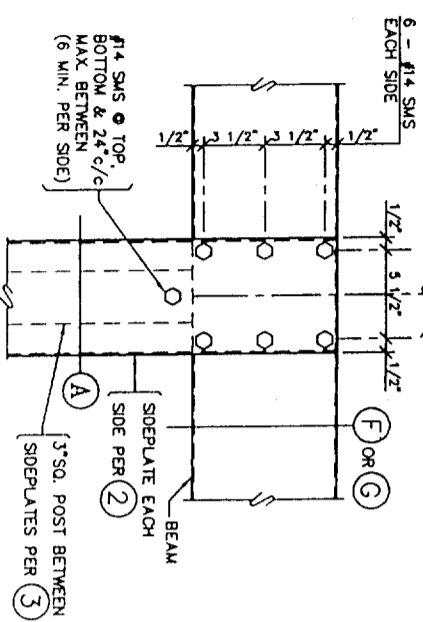
PPC-4

ALTERNATE A
 USE Δ PER $\textcircled{7}$ (W = 3/4", H = 3/4", L = 2") $\textcircled{7}$ TOP, BOTTOM & MID HEIGHT W/2 - 1/8" FOR RIVETS EACH LEG. (12 Δ 'S TOTAL)
 [SIDEPLATES PER $\textcircled{2}$ SEE TABLE "B", DWG. PPC-4 FOR REQUIRED THICKNESS]
 #14 SMS AT TOP, BOTTOM & 24" C/C MAX. BETWEEN (6 MINIMUM PER SIDE) SEE Δ ALTERNATE ADJACENT

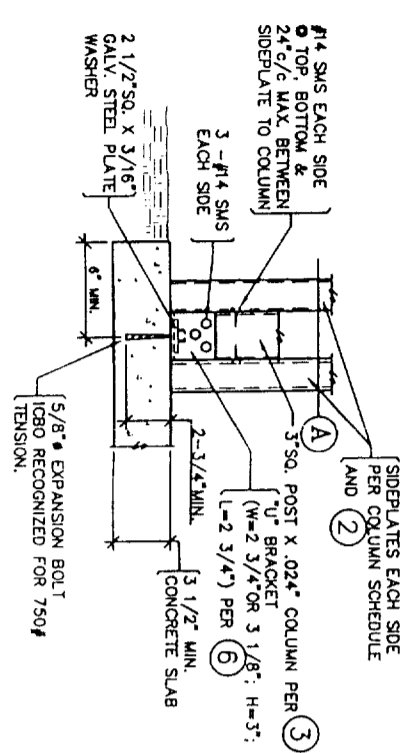


TYPICAL POST/COLUMN A

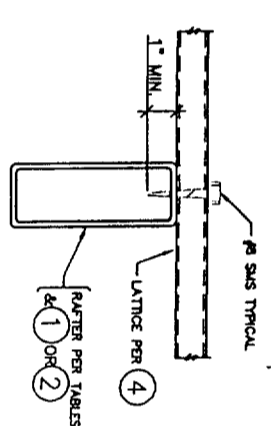
BEAM SPURCE SHALL OCCUR DIRECTLY OVER AN INTERIOR POST, NOT PERMITTED $\textcircled{2}$ - POST UNITS



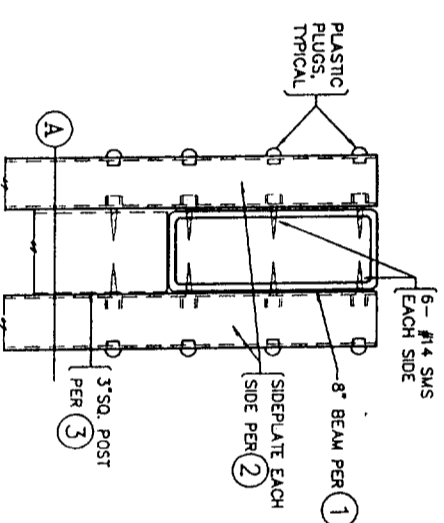
BEAM TO POST CONN. E



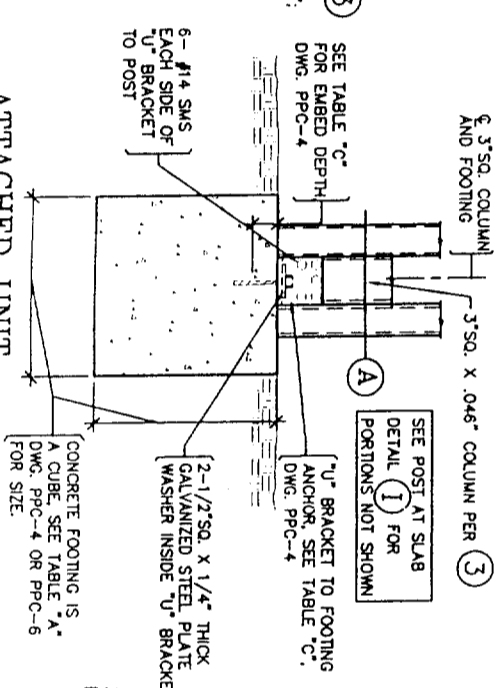
ATTACHED UNIT POST AT SLAB CONN. I



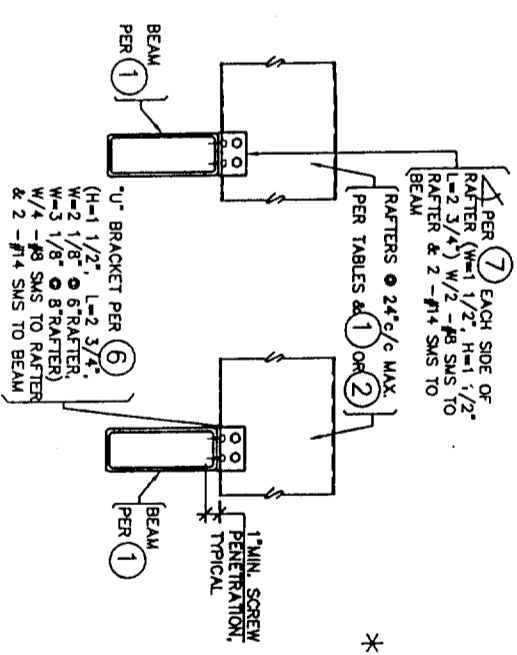
LATTICE TO RAFTER B



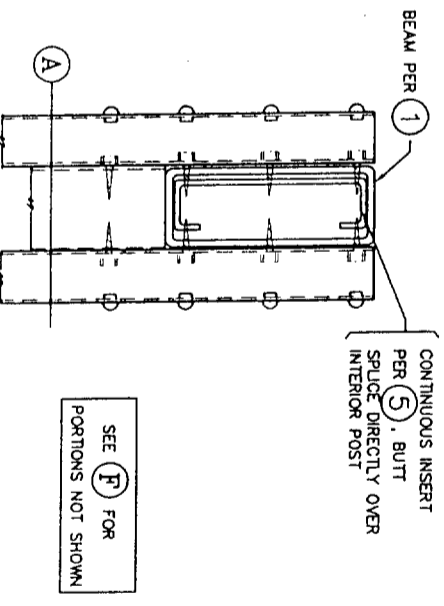
8\" BEAM CONNECTION F



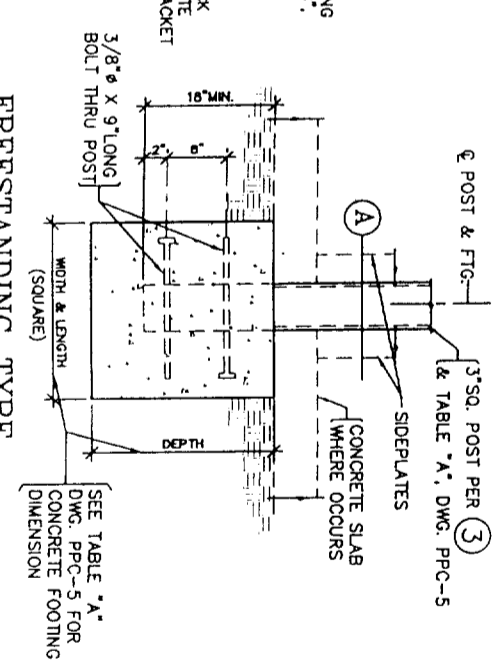
ATTACHED UNIT POST AT FOOTING CONN. J



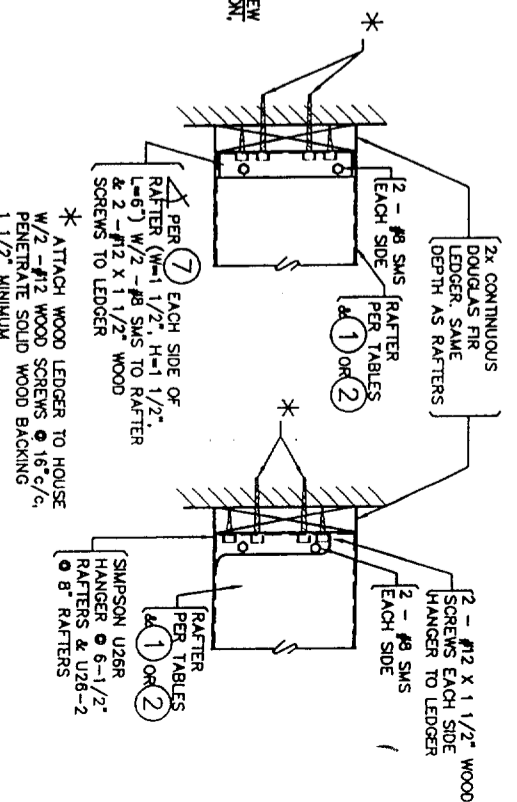
RAFTER TO BEAM CONNECTION C



8\" BEAM WITH INSERT CONNECTION G

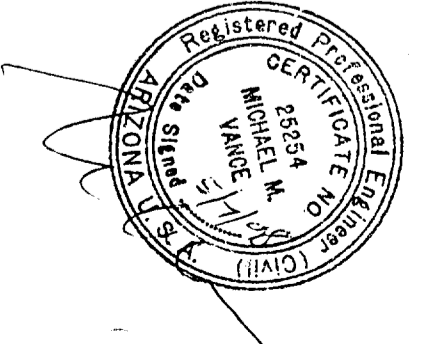
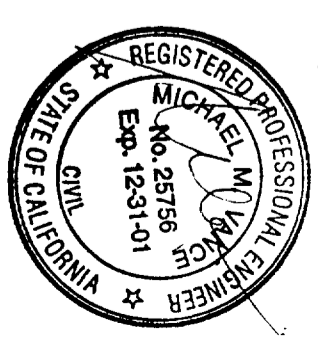
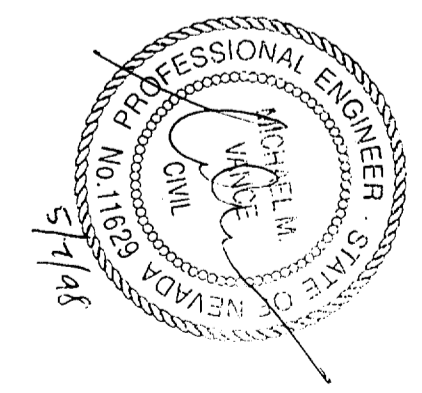
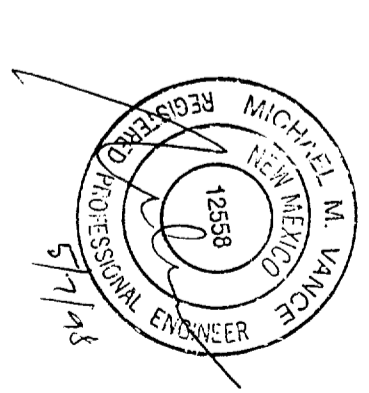


FREESTANDING TYPE POST AT FOOTING CONN. K



WALL CONNECTION D

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



Manufactured by

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ADDENDUM TO ICBO EVALUATION SERVICE INC. REPORT 1841P

ASHTON VANCE & ASSOC., INC.

(FOR ALTERNATE ATTACHMENT, SEE DWG. PPC-8)
Sun Country™ Deluxe Lattice System
 Distributed by **VIKING BUILDERS, INC.** - Las Vegas, Nevada

TECHNICAL DRAWING
 SCALE: NONE
 DATE: MAR. 31, 1998
 DRAWING DESCRIPTION: DETAILS (STEEL INSERT)
 DRAWING NUMBER: PPC-2

TABLE "A": MAXIMUM COLUMN SPACING

MAXIMUM TRIBUTARY WIDTH*	10 PSF LIVE LOAD, 70 MPH WIND LOAD		
	3" X 8" X 0.42" BEAM AT SLAB	3" X 8" BEAM W/INSERT AT SLAB	3" X 8" BEAM W/INSERT AT FTG.
4'-0"	12'-9"	12'-9"	14'-5"
5'-0"	11'-4"	11'-4"	12'-5"
6'-0"	9'-7"	10'-5"	9'-7"
7'-0"	8'-3"	9'-0"	8'-3"
8'-0"	7'-2"	8'-0"	7'-2"
9'-0"	6'-5"	8'-6"	6'-5"
10'-0"	5'-9"	8'-1"	5'-9"
12'-0"	4'-9"	7'-4"	4'-9"

MAXIMUM TRIBUTARY WIDTH*	10 PSF LIVE LOAD, 90 MPH WIND LOAD		
	3" X 8" X 0.42" BEAM AT SLAB	3" X 8" BEAM W/INSERT AT SLAB	3" X 8" BEAM W/INSERT AT FTG.
4'-0"	12'-9"	12'-9"	14'-5"
5'-0"	11'-4"	11'-4"	12'-5"
6'-0"	9'-7"	10'-5"	9'-7"
7'-0"	8'-3"	9'-0"	8'-3"
8'-0"	7'-2"	8'-0"	7'-2"
9'-0"	6'-5"	8'-6"	6'-5"
10'-0"	5'-9"	8'-1"	5'-9"
12'-0"	4'-9"	7'-4"	4'-9"

MAXIMUM TRIBUTARY WIDTH*	10 PSF LIVE LOAD, 100 MPH WIND LOAD		
	3" X 8" X 0.42" BEAM AT SLAB	3" X 8" BEAM W/INSERT AT SLAB	3" X 8" BEAM W/INSERT AT FTG.
4'-0"	12'-9"	12'-9"	14'-5"
5'-0"	10'-9"	11'-4"	11'-6"
6'-0"	9'-1"	10'-5"	9'-1"
7'-0"	7'-9"	9'-7"	7'-9"
8'-0"	6'-9"	9'-0"	6'-9"
9'-0"	6'-0"	8'-6"	6'-0"
10'-0"	5'-5"	8'-1"	5'-5"
11'-0"	4'-11"	7'-8"	4'-11"
12'-0"	4'-6"	7'-4"	4'-6"

* SEE TRIBUTARY WIDTH TABLE, DRAWING PPC-3.

** USE COLUMN TYPE [1], [2], [3] OR [4], TABLE "B", DWG. PPC-4.

*** USE COLUMN TYPE [5] OR [6], TABLE "B", DWG. PPC-4. NUMBER IN PARENTHESIS IS SIZE OF CONCRETE CUBE FOOTING IN INCHES. WHERE FOOTING SIZE INDICATED EXCEEDS 28" CUBE, USE FOOTING DETAIL (K).

TABLE "A": MAXIMUM COLUMN SPACING

MAXIMUM TRIBUTARY WIDTH*	20 PSF LIVE/SNOW LOAD, 70 MPH WIND LOAD		
	3" X 8" X 0.42" BEAM AT SLAB	3" X 8" BEAM W/INSERT AT SLAB	3" X 8" BEAM W/INSERT AT FTG.
4'-0"	8'-2"	9'-7"	8'-1"
5'-0"	6'-6"	8'-7"	6'-6"
6'-0"	5'-5"	7'-10"	5'-5"
7'-0"	4'-8"	7'-3"	4'-8"
8'-0"	4'-0"	6'-9"	4'-0"
9'-0"	3'-4"	6'-4"	3'-4"
10'-0"	2'-8"	6'-0"	2'-8"

MAXIMUM TRIBUTARY WIDTH*	20 PSF LIVE/SNOW LOAD, 90 MPH WIND LOAD		
	3" X 8" X 0.42" BEAM AT SLAB	3" X 8" BEAM W/INSERT AT SLAB	3" X 8" BEAM W/INSERT AT FTG.
4'-0"	8'-2"	9'-7"	8'-1"
5'-0"	6'-6"	8'-7"	6'-6"
6'-0"	5'-5"	7'-10"	5'-5"
7'-0"	4'-8"	7'-3"	4'-8"
8'-0"	4'-0"	6'-9"	4'-0"
9'-0"	3'-4"	6'-4"	3'-4"
10'-0"	2'-8"	6'-0"	2'-8"

MAXIMUM TRIBUTARY WIDTH*	20 PSF LIVE/SNOW LOAD, 100 MPH WIND LOAD		
	3" X 8" X 0.42" BEAM AT SLAB	3" X 8" BEAM W/INSERT AT SLAB	3" X 8" BEAM W/INSERT AT FTG.
4'-0"	8'-2"	9'-7"	8'-1"
5'-0"	6'-6"	8'-7"	6'-6"
6'-0"	5'-5"	7'-10"	5'-5"
7'-0"	4'-8"	7'-3"	4'-8"
8'-0"	4'-0"	6'-9"	4'-0"
9'-0"	3'-4"	6'-4"	3'-4"
10'-0"	2'-8"	6'-0"	2'-8"

TABLE "A": MAXIMUM COLUMN SPACING

MAXIMUM TRIBUTARY WIDTH*	30 PSF SNOW LOAD, 70 MPH WIND LOAD		
	3" X 8" X 0.42" BEAM AT SLAB	3" X 8" BEAM W/INSERT AT SLAB	3" X 8" BEAM W/INSERT AT FTG.
4'-0"	5'-8"	8'-0"	5'-8"
5'-0"	5'-8"	7'-2"	5'-8"
6'-0"	5'-8"	6'-5"	5'-8"
7'-0"	5'-8"	6'-0"	5'-8"
8'-0"	5'-8"	5'-8"	5'-8"
9'-0"	5'-8"	5'-4"	5'-8"

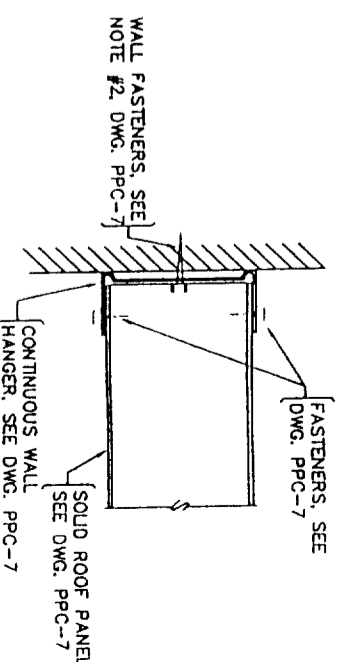
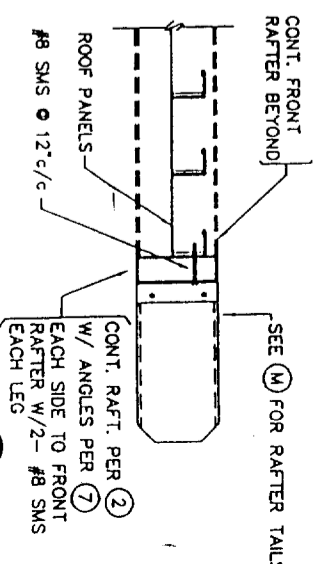
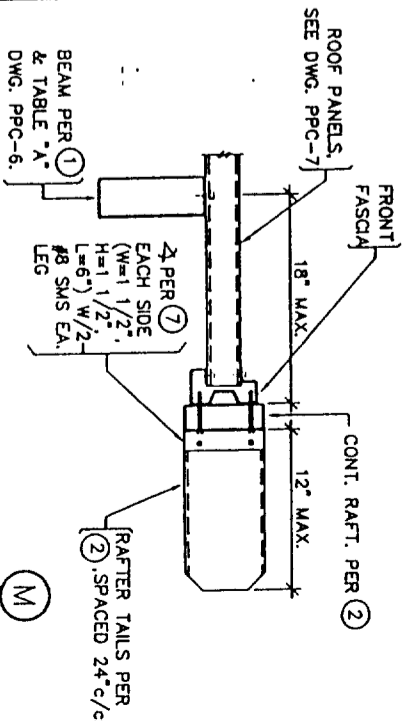
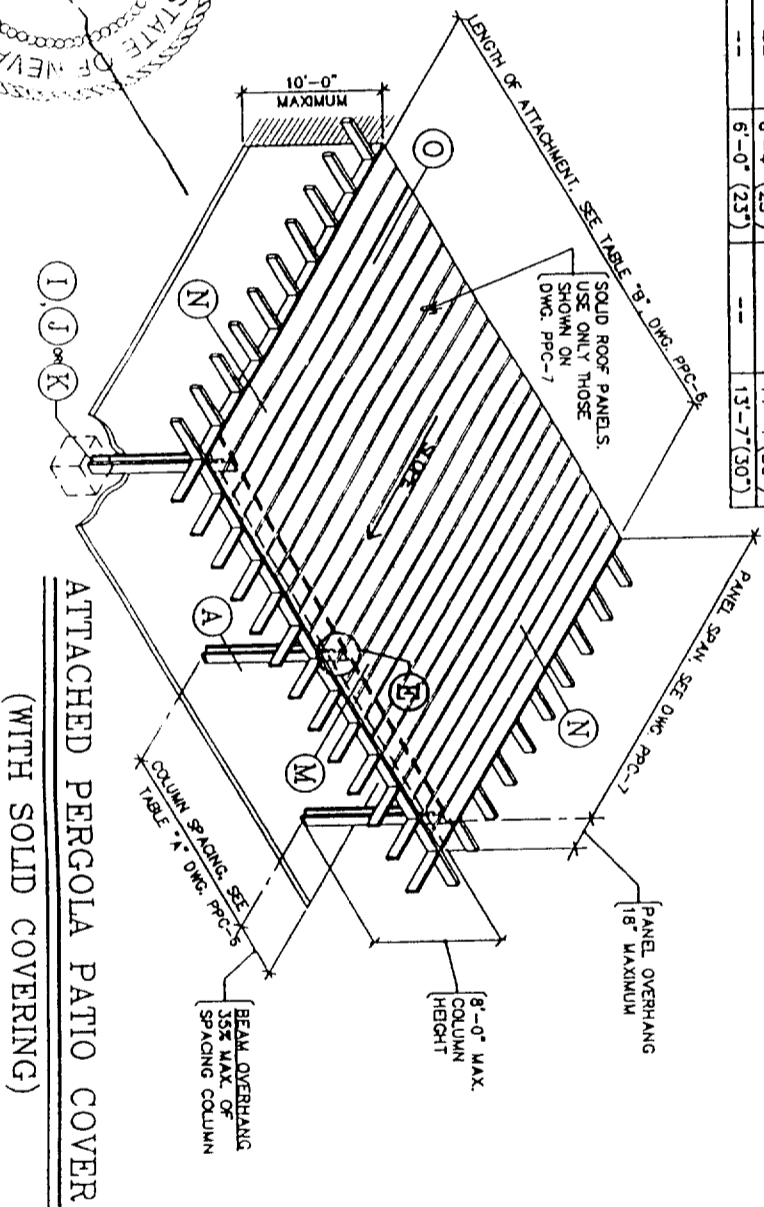
MAXIMUM TRIBUTARY WIDTH*	30 PSF SNOW LOAD, 90 MPH WIND LOAD		
	3" X 8" X 0.42" BEAM AT SLAB	3" X 8" BEAM W/INSERT AT SLAB	3" X 8" BEAM W/INSERT AT FTG.
4'-0"	5'-8"	8'-0"	5'-8"
5'-0"	5'-8"	7'-2"	5'-8"
6'-0"	5'-8"	6'-5"	5'-8"
7'-0"	5'-8"	6'-0"	5'-8"
8'-0"	5'-8"	5'-8"	5'-8"
9'-0"	5'-8"	5'-4"	5'-8"

MAXIMUM TRIBUTARY WIDTH*	30 PSF SNOW LOAD, 100 MPH WIND LOAD		
	3" X 8" X 0.42" BEAM AT SLAB	3" X 8" BEAM W/INSERT AT SLAB	3" X 8" BEAM W/INSERT AT FTG.
4'-0"	5'-8"	8'-0"	5'-8"
5'-0"	5'-8"	7'-2"	5'-8"
6'-0"	5'-8"	6'-5"	5'-8"
7'-0"	5'-8"	6'-0"	5'-8"
8'-0"	5'-8"	5'-8"	5'-8"
9'-0"	5'-8"	5'-4"	5'-8"

TABLE "B": MINIMUM ATTACHMENT LENGTH (L) TO PANEL SPAN (P.S.) RATIO

OPEN OR ENCLOSED*	WIND LOAD			
	70 MPH	90 MPH	100 MPH	110 MPH
MINIMUM L/P.S. RATIO	1.0	1.0	1.0	1.0
ENCLOSED	1.25	1.50	1.75	2.0

* SEE NOTE #3, DRAWING PPC-7.

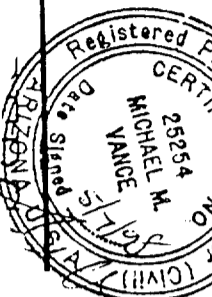
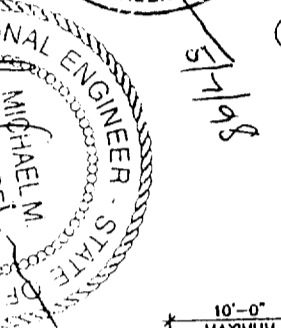
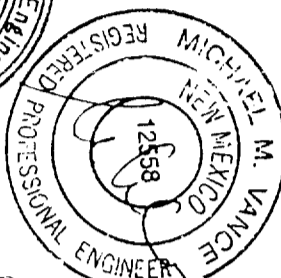


prepared by

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

ATTACHED COVER TABLES WITH SOLID COVERING (STEEL INSERT)

PPC-6



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

DRAWN BY: CIV
SCALE: NONE
DATE: MAR. 31, 1998

ASHTON VANCE & ASSOC., INC.

DRAWING DESCRIPTION
DRAWING NUMBER

TABLE "A" MAXIMUM COLUMN SPACING

MAXIMUM TRIBUTARY WIDTH*	3" X 8" X .042" BEAM			3" X 8" BEAM W/INSERT		
	MAX. COL. SPACING**	NO. SLAB	FOOTING SIZE W/SLAB***	MAX. COL. SPACING**	NO. SLAB	FOOTING SIZE W/SLAB***
4'-0"	16'-9" (1)	18" SQ. X 36"	18" SQ. X 27"	26'-6" (2)	26" SQ. X 36"	18" SQ. X 33"
5'-0"	15'-0" (1)	18" SQ. X 36"	18" SQ. X 27"	23'-9" (2)	26" SQ. X 36"	18" SQ. X 33"
6'-0"	13'-7" (1)	18" SQ. X 33"	18" SQ. X 24"	21'-8" (2)	26" SQ. X 33"	18" SQ. X 30"
7'-0"	12'-7" (1)	18" SQ. X 33"	18" SQ. X 24"	20'-0" (2)	26" SQ. X 33"	18" SQ. X 30"
8'-0"	11'-10" (1)	18" SQ. X 33"	18" SQ. X 24"	18'-9" (2)	26" SQ. X 33"	18" SQ. X 30"
9'-0"	11'-2" (1)	18" SQ. X 33"	18" SQ. X 24"	17'-8" (2)	26" SQ. X 33"	18" SQ. X 30"
10'-0"	10'-7" (1)	18" SQ. X 33"	18" SQ. X 24"	16'-9" (2)	26" SQ. X 33"	18" SQ. X 30"
11'-0"	10'-1" (1)	18" SQ. X 33"	18" SQ. X 24"	16'-0" (2)	26" SQ. X 33"	18" SQ. X 30"
12'-0"	9'-8" (1)	18" SQ. X 33"	18" SQ. X 24"	15'-4" (2)	26" SQ. X 33"	18" SQ. X 30"

10 PSF LIVE LOAD, 100 MPH WIND LOAD						
4'-0"	16'-9" (1)	26" SQ. X 36"	18" SQ. X 30"	26'-6" (2)	28" SQ. X 42"	22" SQ. X 33"
5'-0"	15'-0" (1)	26" SQ. X 36"	18" SQ. X 30"	23'-9" (2)	28" SQ. X 42"	22" SQ. X 33"
6'-0"	13'-7" (1)	26" SQ. X 33"	18" SQ. X 30"	21'-8" (2)	28" SQ. X 39"	22" SQ. X 30"
7'-0"	12'-7" (1)	26" SQ. X 36"	20" SQ. X 30"	20'-0" (3)	30" SQ. X 39"	24" SQ. X 33"
8'-0"	11'-10" (1)	26" SQ. X 36"	20" SQ. X 30"	18'-9" (3)	30" SQ. X 39"	24" SQ. X 33"
9'-0"	11'-2" (1)	26" SQ. X 36"	20" SQ. X 30"	17'-8" (3)	30" SQ. X 39"	24" SQ. X 33"
10'-0"	10'-7" (1)	26" SQ. X 36"	20" SQ. X 30"	16'-9" (3)	30" SQ. X 39"	24" SQ. X 33"
11'-0"	10'-1" (1)	26" SQ. X 36"	20" SQ. X 30"	16'-0" (3)	30" SQ. X 39"	24" SQ. X 33"
12'-0"	9'-8" (1)	26" SQ. X 36"	20" SQ. X 30"	15'-4" (3)	30" SQ. X 39"	24" SQ. X 33"

10 PSF LIVE LOAD, 110 MPH WIND LOAD						
4'-0"	16'-9" (2)	28" SQ. X 39"	22" SQ. X 33"	26'-6" (4)	30" SQ. X 45"	24" SQ. X 36"
5'-0"	15'-0" (2)	28" SQ. X 39"	22" SQ. X 33"	23'-9" (4)	30" SQ. X 45"	24" SQ. X 36"
6'-0"	13'-7" (2)	28" SQ. X 39"	22" SQ. X 30"	21'-8" (4)	30" SQ. X 42"	24" SQ. X 33"
7'-0"	12'-7" (2)	28" SQ. X 39"	22" SQ. X 30"	20'-0" (4)	30" SQ. X 42"	24" SQ. X 33"
8'-0"	11'-10" (2)	28" SQ. X 39"	22" SQ. X 30"	18'-9" (4)	30" SQ. X 42"	24" SQ. X 33"
9'-0"	11'-2" (2)	28" SQ. X 39"	22" SQ. X 30"	17'-8" (4)	30" SQ. X 42"	24" SQ. X 33"
10'-0"	10'-7" (2)	28" SQ. X 39"	22" SQ. X 30"	16'-9" (4)	30" SQ. X 42"	24" SQ. X 33"
11'-0"	10'-1" (2)	28" SQ. X 39"	22" SQ. X 30"	16'-0" (4)	30" SQ. X 42"	24" SQ. X 33"
12'-0"	9'-8" (2)	28" SQ. X 39"	22" SQ. X 30"	15'-4" (4)	30" SQ. X 42"	24" SQ. X 33"

SEE TRIBUTARY WIDTH TABLE, DRAWING PPC-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*	3" X 8" X .042" BEAM			3" X 8" BEAM W/INSERT		
	MAX. COL. SPACING**	NO. SLAB	FOOTING SIZE W/SLAB***	MAX. COL. SPACING**	NO. SLAB	FOOTING SIZE W/SLAB***
4'-0"	12'-6" (1)	18" SQ. X 36"	18" SQ. X 27"	19'-9" (2)	26" SQ. X 36"	20" SQ. X 33"
5'-0"	11'-3" (1)	18" SQ. X 33"	18" SQ. X 24"	17'-8" (2)	26" SQ. X 36"	20" SQ. X 30"
6'-0"	10'-2" (1)	18" SQ. X 33"	18" SQ. X 24"	16'-2" (2)	26" SQ. X 36"	20" SQ. X 30"
7'-0"	9'-6" (1)	18" SQ. X 33"	18" SQ. X 24"	14'-11" (2)	26" SQ. X 36"	20" SQ. X 30"
8'-0"	8'-10" (1)	18" SQ. X 33"	18" SQ. X 24"	14'-0" (2)	26" SQ. X 36"	20" SQ. X 30"
9'-0"	8'-4" (1)	18" SQ. X 33"	18" SQ. X 24"	13'-2" (2)	26" SQ. X 36"	20" SQ. X 30"
10'-0"	7'-11" (1)	18" SQ. X 33"	18" SQ. X 24"	12'-6" (2)	26" SQ. X 36"	20" SQ. X 30"

20 PSF LIVE/SNOW LOAD, 90 MPH WIND LOAD						
4'-0"	12'-6" (2)	26" SQ. X 39"	20" SQ. X 33"	19'-9" (3)	28" SQ. X 42"	22" SQ. X 33"
5'-0"	11'-3" (2)	26" SQ. X 36"	20" SQ. X 30"	17'-8" (3)	28" SQ. X 39"	22" SQ. X 30"
6'-0"	10'-2" (2)	26" SQ. X 36"	20" SQ. X 30"	16'-2" (3)	28" SQ. X 39"	22" SQ. X 30"
7'-0"	9'-6" (2)	26" SQ. X 36"	20" SQ. X 30"	14'-11" (3)	28" SQ. X 39"	22" SQ. X 30"
8'-0"	8'-10" (2)	26" SQ. X 36"	20" SQ. X 30"	14'-0" (3)	28" SQ. X 39"	22" SQ. X 30"
9'-0"	8'-4" (2)	26" SQ. X 36"	20" SQ. X 30"	13'-2" (3)	28" SQ. X 39"	22" SQ. X 30"
10'-0"	7'-11" (2)	26" SQ. X 36"	20" SQ. X 30"	12'-6" (3)	28" SQ. X 39"	22" SQ. X 30"

20 PSF LIVE/SNOW LOAD, 110 MPH WIND LOAD						
4'-0"	12'-6" (2)	28" SQ. X 39"	22" SQ. X 33"	19'-9" (4)	30" SQ. X 42"	24" SQ. X 36"
5'-0"	11'-3" (2)	28" SQ. X 39"	22" SQ. X 30"	17'-8" (4)	30" SQ. X 39"	24" SQ. X 33"
6'-0"	10'-2" (2)	28" SQ. X 39"	22" SQ. X 30"	16'-2" (4)	30" SQ. X 39"	24" SQ. X 33"
7'-0"	9'-6" (2)	28" SQ. X 39"	22" SQ. X 30"	14'-11" (4)	30" SQ. X 39"	24" SQ. X 33"
8'-0"	8'-10" (2)	28" SQ. X 39"	22" SQ. X 30"	14'-0" (4)	30" SQ. X 39"	24" SQ. X 33"
9'-0"	8'-4" (2)	28" SQ. X 39"	22" SQ. X 30"	13'-2" (4)	30" SQ. X 39"	24" SQ. X 33"
10'-0"	7'-11" (2)	28" SQ. X 39"	22" SQ. X 30"	12'-6" (4)	30" SQ. X 39"	24" SQ. X 33"

TABLE "A" MAXIMUM COLUMN SPACING

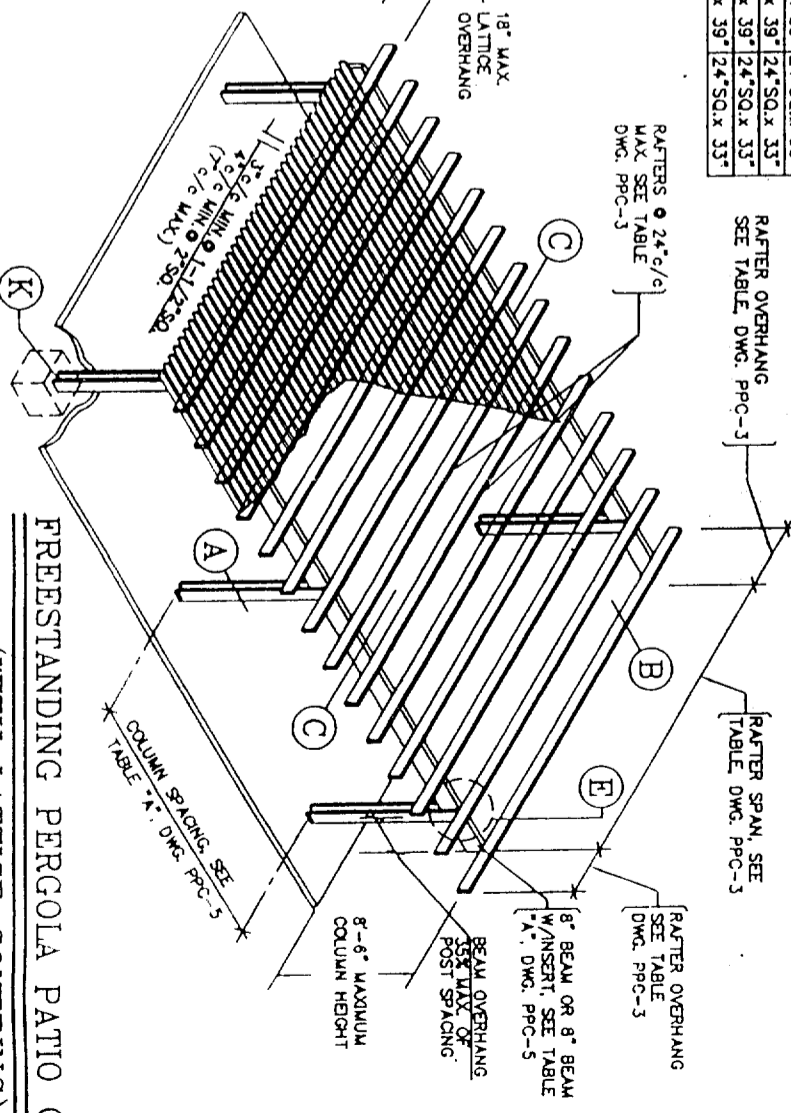
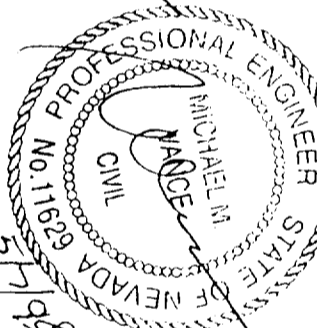
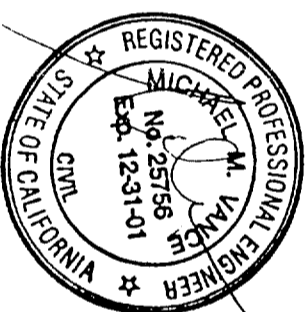
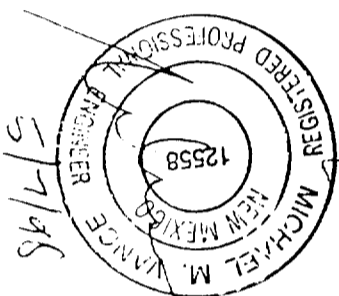
MAXIMUM TRIBUTARY WIDTH*	3" X 8" X .042" BEAM			3" X 8" BEAM W/INSERT		
	MAX. COL. SPACING**	NO. SLAB	FOOTING SIZE W/SLAB***	MAX. COL. SPACING**	NO. SLAB	FOOTING SIZE W/SLAB***
4'-0"	10'-5" (1)	24" SQ. X 33"	18" SQ. X 30"	16'-5" (2)	26" SQ. X 39"	20" SQ. X 30"
5'-0"	9'-4" (1)	24" SQ. X 30"	18" SQ. X 27"	14'-8" (2)	26" SQ. X 36"	20" SQ. X 27"
6'-0"	8'-6" (1)	24" SQ. X 30"	18" SQ. X 27"	13'-5" (2)	26" SQ. X 36"	20" SQ. X 27"
7'-0"	7'-11" (1)	24" SQ. X 30"	18" SQ. X 27"	12'-5" (2)	26" SQ. X 36"	20" SQ. X 27"
8'-0"	7'-4" (1)	24" SQ. X 30"	18" SQ. X 27"	11'-7" (2)	26" SQ. X 36"	20" SQ. X 27"
9'-0"	6'-11" (1)	24" SQ. X 30"	18" SQ. X 27"	10'-11" (2)	26" SQ. X 36"	20" SQ. X 27"

30 PSF SNOW LOAD, 100 MPH WIND LOAD						
4'-0"	10'-5" (2)	24" SQ. X 39"	20" SQ. X 30"	16'-5" (2)	28" SQ. X 39"	22" SQ. X 33"
5'-0"	9'-4" (2)	24" SQ. X 36"	20" SQ. X 27"	14'-8" (2)	28" SQ. X 36"	22" SQ. X 30"
6'-0"	8'-6" (2)	24" SQ. X 36"	20" SQ. X 27"	13'-5" (2)	28" SQ. X 36"	22" SQ. X 30"
7'-0"	7'-11" (2)	24" SQ. X 36"	20" SQ. X 27"	12'-5" (2)	28" SQ. X 36"	22" SQ. X 30"
8'-0"	7'-4" (2)	24" SQ. X 36"	20" SQ. X 27"	11'-7" (2)	28" SQ. X 36"	22" SQ. X 30"
9'-0"	6'-11" (2)	24" SQ. X 36"	20" SQ. X 27"	10'-11" (2)	28" SQ. X 36"	22" SQ. X 30"

30 PSF SNOW LOAD, 110 MPH WIND LOAD						
4'-0"	10'-5" (2)	26" SQ. X 39"	20" SQ. X 33"	16'-5" (3)	30" SQ. X 42"	24" SQ. X 36"
5'-0"	9'-4" (2)	26" SQ. X 36"	20" SQ. X 30"	14'-8" (3)	30" SQ. X 39"	24" SQ. X 33"
6'-0"	8'-6" (2)	26" SQ. X 36"	20" SQ. X 30"	13'-5" (3)	30" SQ. X 39"	24" SQ. X 33"
7'-0"	7'-11" (2)	26" SQ. X 36"	20" SQ. X 30"	12'-5" (3)	30" SQ. X 39"	24" SQ. X 33"
8'-0"	7'-4" (2)	26" SQ. X 36"	20" SQ. X 30"	11'-7" (3)	30" SQ. X 39"	24" SQ. X 33"
9'-0"	6'-11" (2)	26" SQ. X 36"	20" SQ. X 30"	10'-11" (3)	30" SQ. X 39"	24" SQ. X 33"

TABLE "B" : COLUMN SCHEDULE

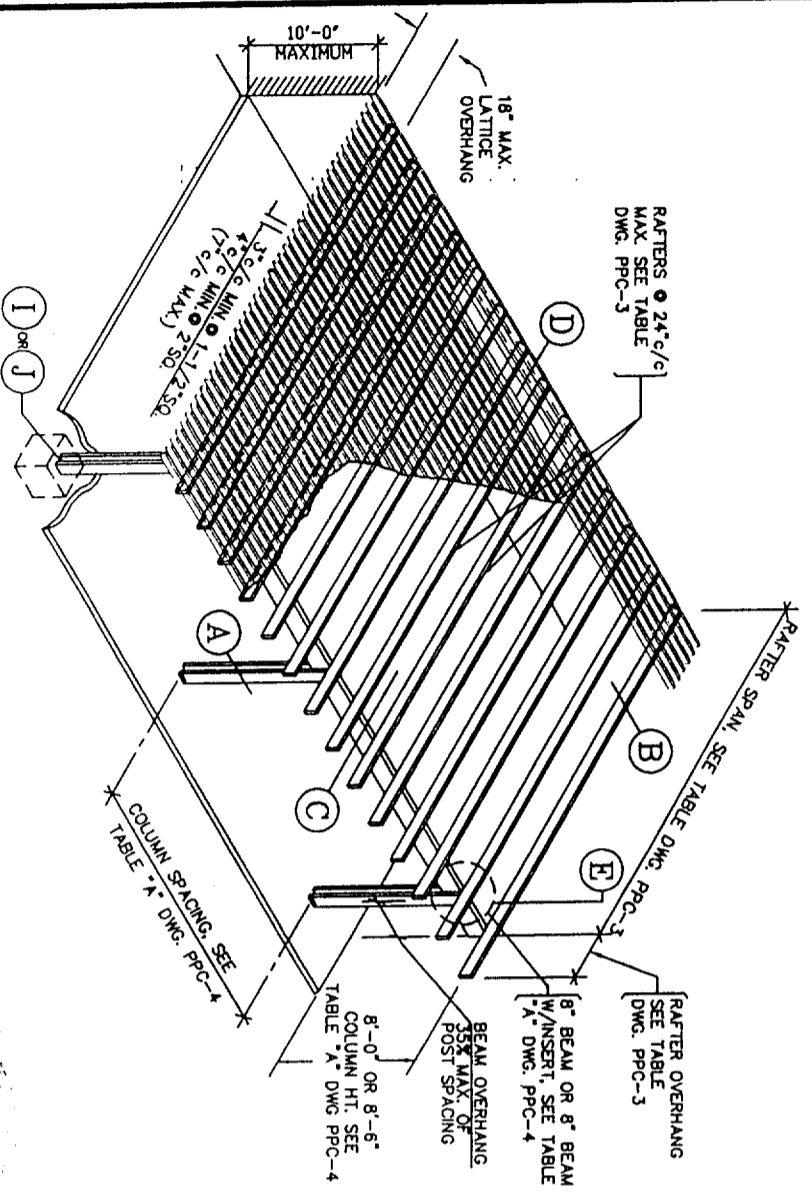
COLUMN TYPE	COLUMN DESCRIPTION
(1)	3" SQ. X .120" ALUM. CENTER COLUMN W/ 2" X 6 1/2" X .024" SIDEPLATES.
(2)	3" SQ. X .095" STEEL CENTER COLUMN W/ 2" X 6 1/2" X .024" SIDEPLATES.
(3)	3" SQ. X .120" STEEL CENTER COLUMN W/ 2" X 6 1/2" X .024" SIDEPLATES.
(4)	3" SQ. X .188" STEEL CENTER COLUMN W/ 2" X 6 1/2" X .024" SIDEPLATES.



*** MAY BE SUBSTITUTED FOR COLUMN (1) & (2).
 *** MAY BE SUBSTITUTED FOR COLUMN (1), (2) & (3).
Sum Country™ Deluxe Lattice System
 Distributed by **VIKING BUILDERS, INC.** - Las Vegas, Nevada

ADDENDUM TO ICBO EVALUATION SERVICE INC. REPORT 1841P
 DRAWN BY: gmw SCALE: NONE
 DATE: MAR. 31, 1998
 ASHTON VANCE & ASSOC., INC.

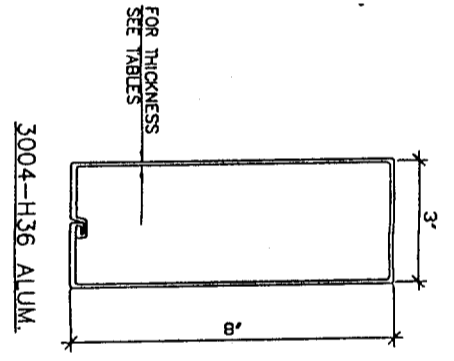
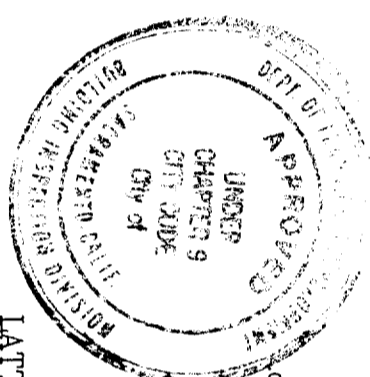
Manufactured by
TEXAS ALUMINUM INDUSTRIES, INC.
 2900 PATTO DRIVE HOUSTON, TEXAS 77017 (713)946-9000
 DRAWING DESCRIPTION: FREESTANDING COVER TABLES WITH LATTICE COVERING
 DRAWING NUMBER: **PPC-5**



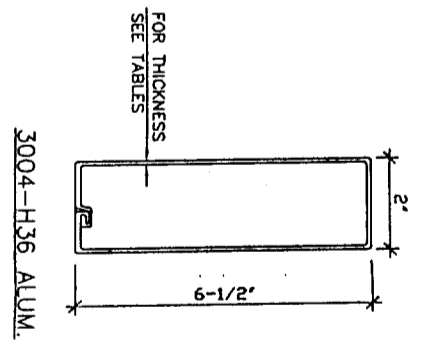
**ATTACHED PERGOLA PATIO COVER
(WITH LATTICE COVERING)**

GENERAL NOTES & SPECIFICATIONS

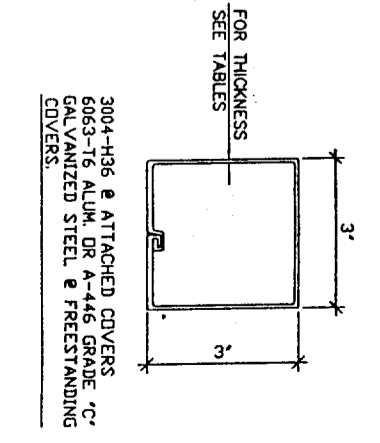
1. ALUMINUM DESIGN STRESSES ARE PER THE LATEST EDITION OF THE UNIFORM BUILDING CODE AND THE ALUMINUM CONSTRUCTION MANUAL.
2. ALTERNATE ALUMINUM ALLOYS MAY BE SUBSTITUTED FOR THOSE SHOWN, PROVIDED THEY ARE REGISTERED WITH THE ALUMINUM ASSOCIATION AND HAVE EQUAL OR GREATER YIELD AND ULTIMATE STRENGTHS.
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 ENCLOSIBILITY.
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, FREESTANDING COVERS OF ALL TYPES SHALL NOT BE ENCLOSED.
11. THE LATTICE TYPE STRUCTURES SHALL NOT BE COVERED WITH ANY TYPE OF SOLID MATERIAL AS THE DESIGN LOADS HAVE ONLY BEEN APPLIED TO THE HORIZONTAL PROJECTED AREA OF THE LATTICE, RAFTERS, BEAMS, ETC., PER I.C.B.O. CRITERIA.



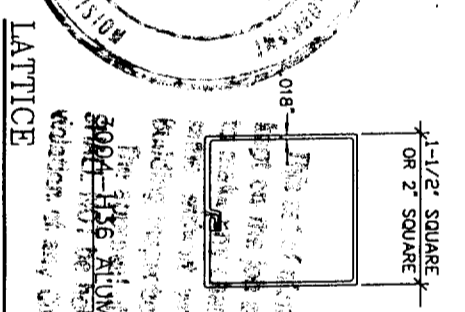
1 BEAM/RAFTER



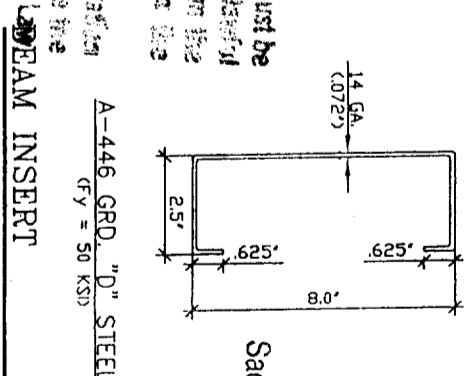
2 RAFTER/SIDEPLATE



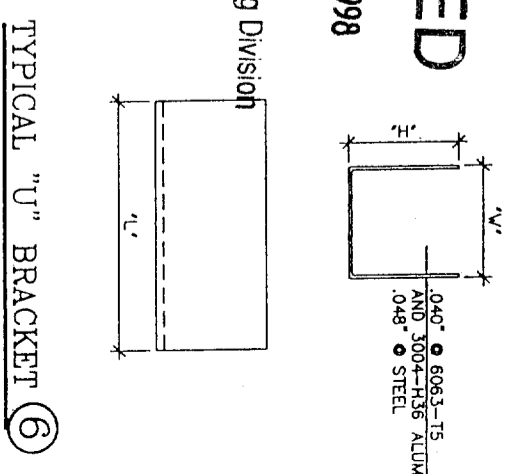
3 COLUMN/POST



4 LATTICE



5 BEAM INSERT

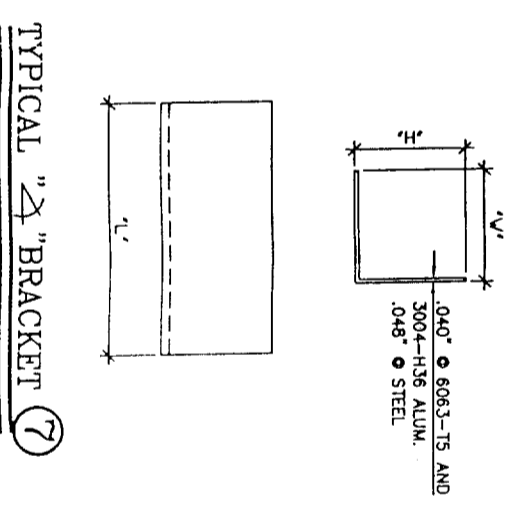


6 TYPICAL "U" BRACKET

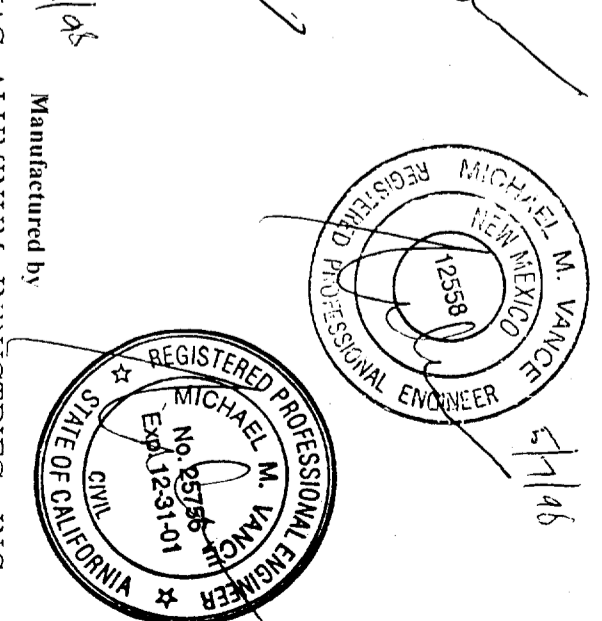
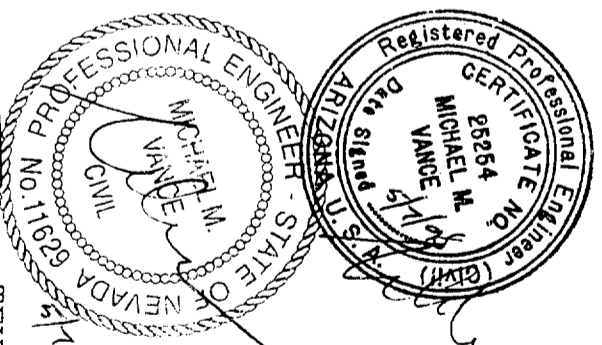
ISSUED

OCT 0 1 1998

Sacramento Building Division



7 TYPICAL "Z" BRACKET



Manufactured by

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

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

ADDENDUM TO ICBO EVALUATION SERVICE INC. REPORT 1841P

DRAWN BY: CIV	SCALE: NONE	ASHTON, VANCE & ASSOC., INC.	DRAWING DESCRIPTION: GENERAL NOTES, ISOMETRIC AND PART DETAILS (STEEL INSERT)	DRAWING NUMBER: PPC-1
DATE: MAR. 31, 1998				

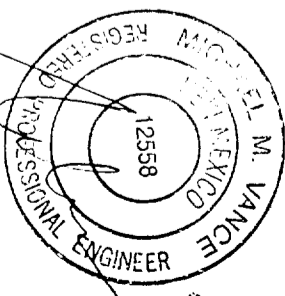
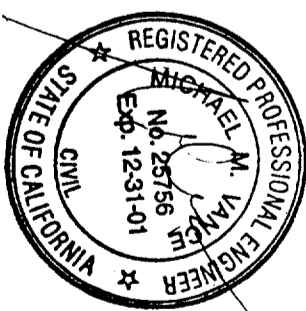
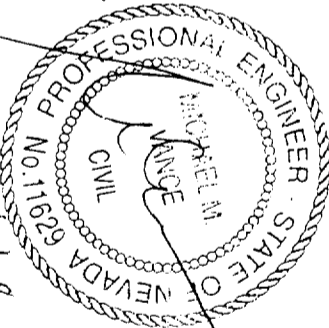
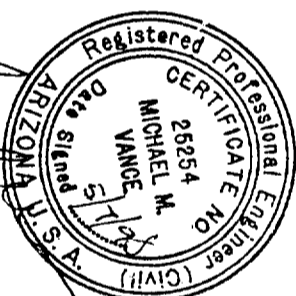
RAFTER SPAN TABLE

DESIGN LOAD	RAFTER TYPE: 2" X 6 1/2" X .024" THICK			
	24" SPACING	22" SPACING	20" SPACING	18" SPACING
10 PSF L.L.	SPAN 12'-5" O'HANG 4'-6"	SPAN 13'-0" O'HANG 4'-6"	SPAN 13'-0" O'HANG 4'-6"	SPAN 13'-0" O'HANG 4'-6"
20 PSF L.L./S.L.	SPAN 9'-3" O'HANG 3'-6"	SPAN 9'-8" O'HANG 3'-8"	SPAN 10'-2" O'HANG 4'-0"	SPAN 10'-8" O'HANG 4'-2"
30 PSF S.L.	SPAN 7'-8" O'HANG 3'-0"	SPAN 8'-0" O'HANG 3'-0"	SPAN 8'-5" O'HANG 3'-3"	SPAN 8'-10" O'HANG 3'-6"
70 MPH THRU 110 MPH WIND *	SPAN 12'-5" O'HANG 4'-6"	SPAN 13'-0" O'HANG 4'-6"	SPAN 13'-0" O'HANG 4'-6"	SPAN 13'-0" O'HANG 4'-6"
RAFTER TYPE: 2" X 6 1/2" X .032" THICK				
10 PSF L.L.	SPAN 16'-7" O'HANG 4'-6"	SPAN 17'-4" O'HANG 4'-6"	SPAN 17'-4" O'HANG 4'-6"	SPAN 17'-4" O'HANG 4'-6"
20 PSF L.L./S.L.	SPAN 12'-4" O'HANG 4'-6"	SPAN 12'-10" O'HANG 4'-6"	SPAN 13'-6" O'HANG 4'-6"	SPAN 14'-3" O'HANG 4'-6"
30 PSF S.L.	SPAN 10'-3" O'HANG 4'-0"	SPAN 10'-8" O'HANG 4'-0"	SPAN 11'-3" O'HANG 4'-0"	SPAN 11'-10" O'HANG 4'-0"
70 MPH THRU 110 MPH WIND *	SPAN 16'-7" O'HANG 4'-6"	SPAN 17'-4" O'HANG 4'-6"	SPAN 17'-4" O'HANG 4'-6"	SPAN 17'-4" O'HANG 4'-6"
RAFTER TYPE: 2" X 6 1/2" X .040" THICK				
10 PSF L.L.	SPAN 20'-9" O'HANG 4'-6"	SPAN 21'-8" O'HANG 4'-6"	SPAN 21'-8" O'HANG 4'-6"	SPAN 21'-8" O'HANG 4'-6"
20 PSF L.L./S.L.	SPAN 15'-5" O'HANG 4'-6"	SPAN 16'-1" O'HANG 4'-6"	SPAN 16'-11" O'HANG 4'-6"	SPAN 17'-10" O'HANG 4'-6"
30 PSF S.L.	SPAN 12'-10" O'HANG 4'-0"	SPAN 13'-4" O'HANG 4'-0"	SPAN 14'-0" O'HANG 4'-0"	SPAN 14'-9" O'HANG 4'-0"
70 MPH THRU 110 MPH WIND *	SPAN 16'-7" O'HANG 4'-6"	SPAN 21'-8" O'HANG 4'-6"	SPAN 21'-8" O'HANG 4'-6"	SPAN 21'-8" O'HANG 4'-6"
RAFTER TYPE: 3" X 8" X .030" THICK				
10 PSF L.L.	SPAN 17'-1" O'HANG 4'-6"	SPAN 17'-10" O'HANG 4'-6"	SPAN 17'-10" O'HANG 4'-6"	SPAN 17'-10" O'HANG 4'-6"
20 PSF L.L./S.L.	SPAN 12'-8" O'HANG 4'-6"	SPAN 13'-3" O'HANG 4'-6"	SPAN 13'-10" O'HANG 4'-6"	SPAN 14'-7" O'HANG 4'-6"
30 PSF S.L.	SPAN 10'-6" O'HANG 4'-0"	SPAN 11'-0" O'HANG 4'-0"	SPAN 11'-6" O'HANG 4'-0"	SPAN 12'-2" O'HANG 4'-0"
70 MPH THRU 110 MPH WIND *	SPAN 17'-1" O'HANG 4'-6"	SPAN 17'-10" O'HANG 4'-6"	SPAN 17'-10" O'HANG 4'-6"	SPAN 17'-10" O'HANG 4'-6"
RAFTER TYPE: 3" X 8" X .036" THICK				
10 PSF L.L.	SPAN 20'-8" O'HANG 4'-6"	SPAN 21'-7" O'HANG 4'-6"	SPAN 21'-7" O'HANG 4'-6"	SPAN 21'-7" O'HANG 4'-6"
20 PSF L.L./S.L.	SPAN 15'-4" O'HANG 4'-6"	SPAN 16'-0" O'HANG 4'-6"	SPAN 16'-10" O'HANG 4'-6"	SPAN 17'-9" O'HANG 4'-6"
30 PSF S.L.	SPAN 12'-9" O'HANG 4'-0"	SPAN 13'-4" O'HANG 4'-0"	SPAN 14'-0" O'HANG 4'-0"	SPAN 14'-8" O'HANG 4'-0"
70 MPH THRU 110 MPH WIND *	SPAN 20'-8" O'HANG 4'-6"	SPAN 21'-7" O'HANG 4'-6"	SPAN 21'-7" O'HANG 4'-6"	SPAN 21'-7" O'HANG 4'-6"
RAFTER TYPE: 3" X 8" X .042" THICK				
10 PSF L.L.	SPAN 23'-10" O'HANG 4'-6"	SPAN 25'-0" O'HANG 4'-6"	SPAN 25'-0" O'HANG 4'-6"	SPAN 25'-0" O'HANG 4'-6"
20 PSF L.L./S.L.	SPAN 17'-9" O'HANG 4'-6"	SPAN 18'-6" O'HANG 4'-6"	SPAN 19'-5" O'HANG 4'-6"	SPAN 20'-6" O'HANG 4'-6"
30 PSF S.L.	SPAN 14'-9" O'HANG 4'-0"	SPAN 15'-5" O'HANG 4'-0"	SPAN 16'-2" O'HANG 4'-0"	SPAN 17'-0" O'HANG 4'-0"
70 MPH THRU 110 MPH WIND *	SPAN 23'-10" O'HANG 4'-6"	SPAN 25'-0" O'HANG 4'-6"	SPAN 25'-0" O'HANG 4'-6"	SPAN 25'-0" O'HANG 4'-6"

* FOR PATIO COVERS THAT ARE 10'-0" OR LESS IN HEIGHT.

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"
6'-0"	3'-6"	4'-0"	5'-0"	5'-6"	—
7'-0"	4'-0"	4'-6"	5'-6"	6'-0"	—
8'-0"	4'-6"	5'-0"	6'-0"	6'-6"	7'-6"
9'-0"	5'-0"	5'-6"	6'-6"	7'-0"	7'-6"
10'-0"	5'-6"	6'-0"	7'-0"	7'-6"	8'-0"
11'-0"	6'-0"	6'-6"	7'-6"	8'-0"	8'-6"
12'-0"	6'-6"	7'-0"	8'-0"	8'-6"	9'-0"
13'-0"	7'-0"	7'-6"	8'-6"	9'-0"	9'-6"
14'-0"	7'-6"	8'-0"	8'-6"	9'-6"	10'-0"
15'-0"	8'-0"	8'-6"	9'-0"	10'-0"	10'-6"
16'-0"	8'-6"	9'-0"	9'-6"	10'-6"	11'-0"
17'-0"	9'-0"	9'-6"	10'-0"	11'-0"	11'-6"
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"	—	—	—	—



5/1/98

Manufactured by

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

ADDENDUM TO ICBO EVALUATION SERVICE INC. REPORT 1841P

Sun Country™ Deluxe Lattice System

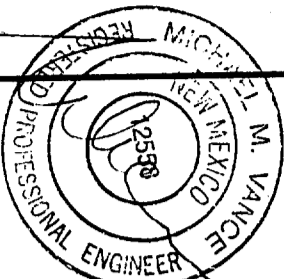
Distributed by VIKING BUILDERS, INC. - Las Vegas, Nevada

DRAWN BY: cmv	SCALE: NONE	ASHTON VANCE & ASSOC., INC.	DRAWING DESCRIPTION: RAFTER SPANS AND TRIBUTARY WIDTH TABLES	DRAWING NUMBER: PPC-3
DATE: MAR 31 1998				

GENERAL NOTES FOR DRAWING PPC-7

SOLID ROOF PANEL SPANS

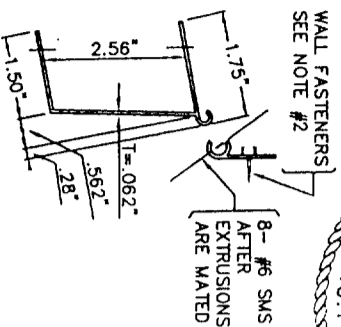
- INSULATED ROOF PANELS
 - THE PANEL FASCIES CONSIST OF .025" OR .032" THICK ALUMINUM SKINS OF 3004-H164 ALLOY.
 - THE ADHESIVE SHALL BE MOR AD M-434, A PROPRIETARY ADHESIVE MANUFACTURED BY MORTON CHEMICAL AND CONFORMING TO THE REQUIREMENTS OF A TYPE II, CLASS 2 ADHESIVE.
 - CORE SHALL BE PRE-FORMED 1.5#/FT³ 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 ICBO EVALUATION SERVICE, INC. PATIO COVER ENCLOSURE WALLS.
- SEE DRAWING PPC-1 FOR ADDITIONAL NOTES.



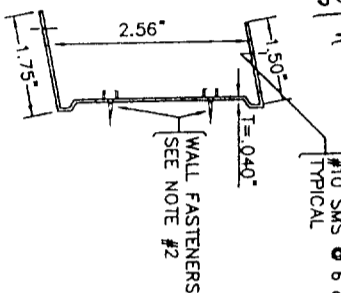
PANEL TYPE	PANEL * THICKNESS	DESIGN LOADS						
		10 PSF LL	20 PSF LL/S.L	30 PSF S.L.	70 MPH WIND ****	90 MPH WIND ****	100 MPH WIND	110 MPH WIND
2 1/2" x 6" ROLLFORM **	.020"	12'-6" (.4"/FT.)	8'-11" (.4"/FT.)	7'-4" (.4"/FT.)	12'-6" (.4"/FT.)	11'-8" (.4"/FT.)	—	—
	.025"	14'-8" (.4"/FT.)	10'-7" (.4"/FT.)	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.)	—	—
3" INSULATED ***	.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 ICBO 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"

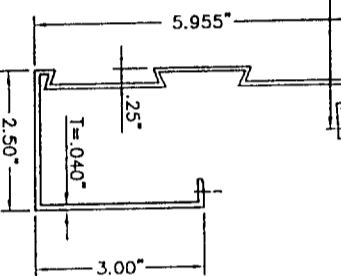
USE ONLY 10 PSF LL
EXTRUDED HANGER
 (6061-T6 ALUM.)



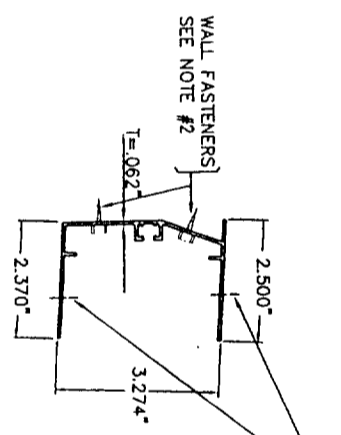
ROLLED HANGER
 (ALUM 3004-H36)



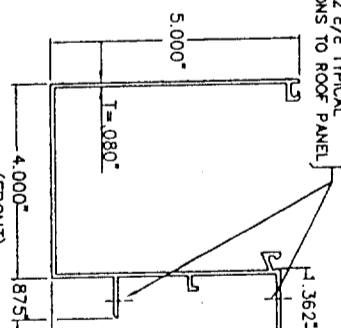
FRONT FASCIA
 (ALUM 3004-H36)



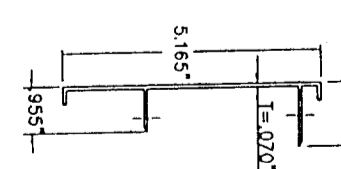
EXTRUDED HANGER
 (6063-T6 ALUM.)



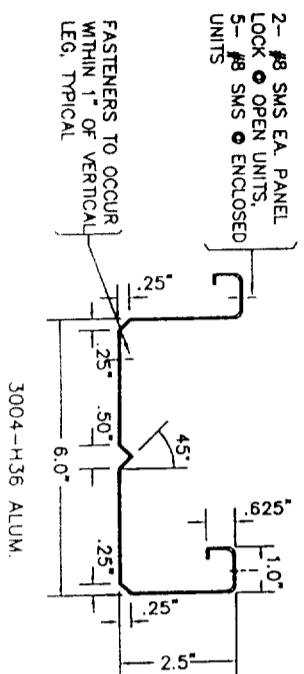
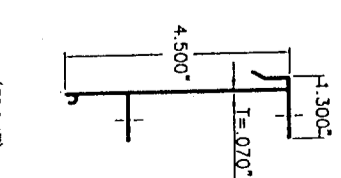
DELUXE GUTTER FASCIA
 (6063-T6 ALUM.)



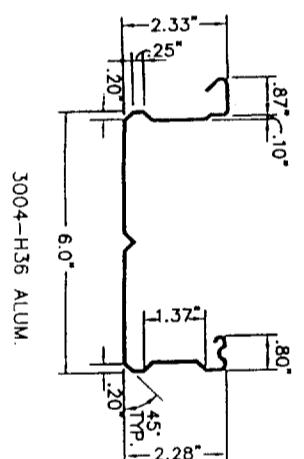
DELUXE SIDE FASCIA
 (6063-T6 ALUM.)



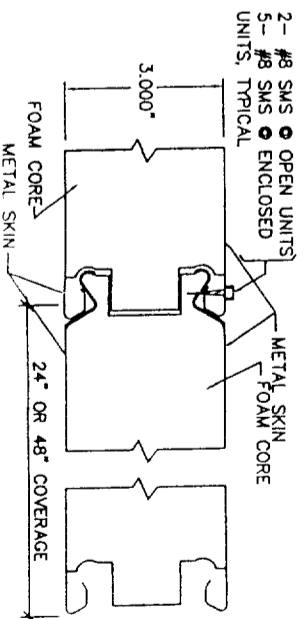
STD. FASCIA TRIM
 (6063-T6 ALUM.)



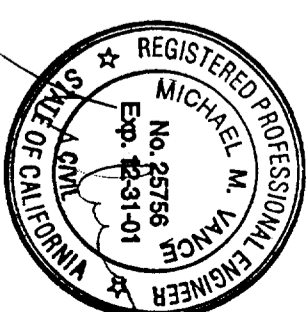
2-1/2" x 6" FLAT PANEL & ACCESSORIES



2-3/8" x 6" FLAT PANEL



3" INSULATED PANEL & ACCESSORIES



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

ADDENDUM TO ICBO EVALUATION SERVICE INC. REPORT 1841P

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

DRAWN BY: CMV
 SCALE: NONE
 DATE: MAR. 31, 1998

ASHTON VANCE & ASSOC., INC.

DRAWING DESCRIPTION
 SOLID ROOF PANELS

DRAWING NUMBER
 PPC-7