ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 0 278
Florida Certificate of Product Approval # FL1999
 Document ID:1TCI8228Z0416162008

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-329--Sparks Construction Cochenour -- Lot 6 Pinemount Meadows Subdvn , **
Truss Count:	76
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Version 7.36.
Structural Engineer of Record:	The identity of the structural EOR did not exist as of
Address:	the seal date per section 61G15-31.003(5a) of the FAC
Minimum Design Loads:	Roof - 40.0 PSF @ 1.25 Duration
	Floor - N/A
	Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 11/16/2007

-Truss Design Engineer-
Doug Fleming
Florida License Number: 66648
1950 Marley Drive
Haines City, FL 33844

Notes:

1. Determination as to the suitability of these truss components for the structure is the responsibility of the building designer/engineer of record, as defined in ANSI/TPI 1
2. The drawing date shown on this index sheet must match the date shown on the individual truss component drawing.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

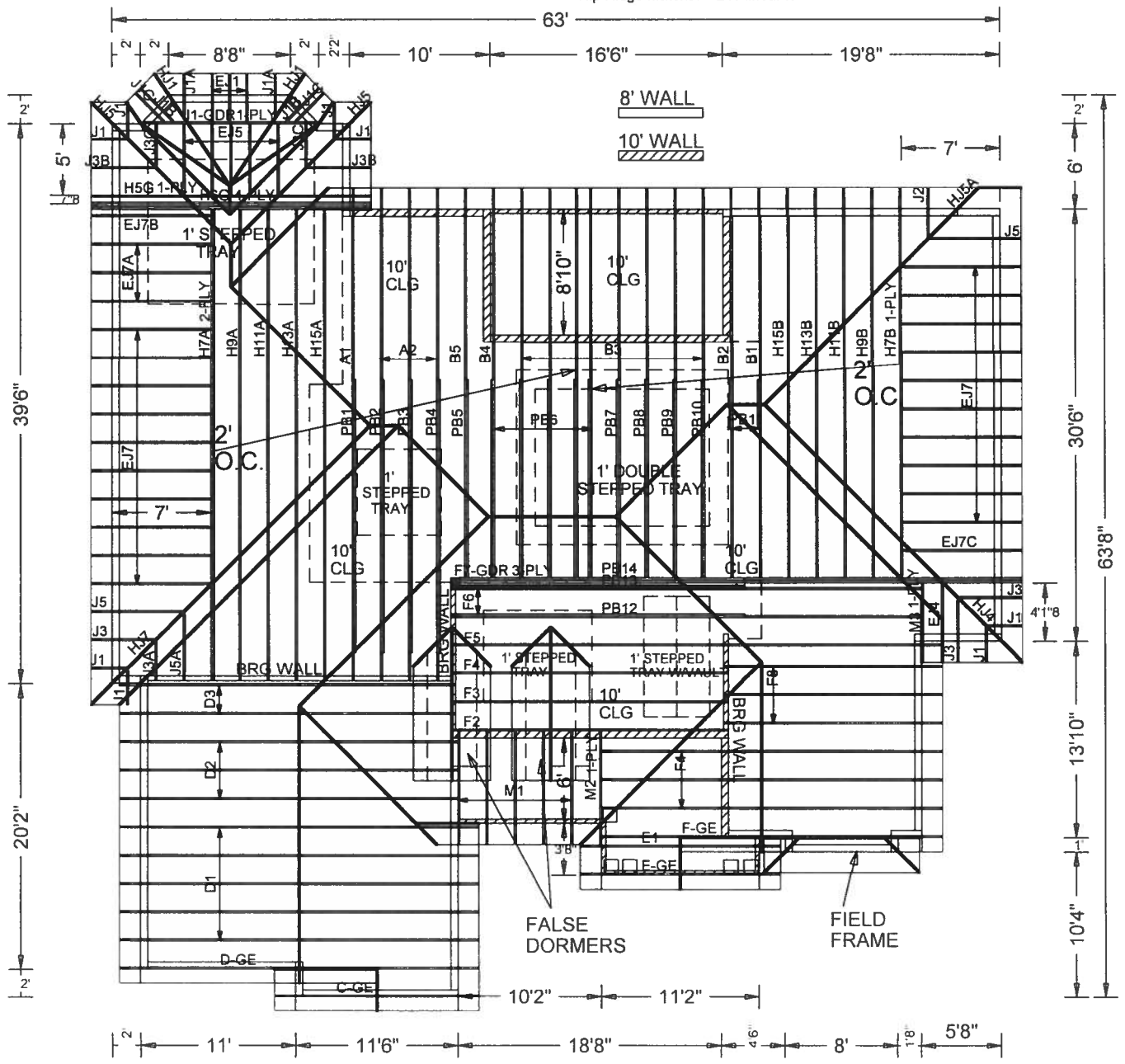
Details: PIGBACKB-TCFILLER-BCFILLER-BRCLBSUB-A11015EE-GBLLETIN-

#	Ref Description	Drawing#	Date
1	58620--H7A	07320084	11/16/07
2	58621--A2	07320018	11/16/07
3	58622--A1	07320043	11/16/07
4	58623--H9A	07320013	11/16/07
5	58624--H11A	07320014	11/16/07
6	58625--H13A	07320015	11/16/07
7	58626--H15A	07320016	11/16/07
8	58627--H7B	07320085	11/16/07
9	58628--H9B	07320034	11/16/07
10	58629--H11B	07320035	11/16/07
11	58630--H13B	07320036	11/16/07
12	58631--H15B	07320037	11/16/07
13	58632--B1	07320038	11/16/07
14	58633--B2	07320048	11/16/07
15	58634--B3	07320062	11/16/07
16	58635--B4	07320042	11/16/07
17	58636--B5	07320022	11/16/07
18	58637--C-GE	07320070	11/16/07
19	58638--D1	07320002	11/16/07
20	58639--D2	07320003	11/16/07
21	58640--D3	07320004	11/16/07
22	58641--D-GE	07320071	11/16/07
23	58642--E-GE	07320005	11/16/07
24	58643--E1	07320006	11/16/07
25	58644--F7-GDR	07320086	11/16/07
26	58645--F1	07320055	11/16/07
27	58646--F8	07320058	11/16/07
28	58647--F-GE	07320053	11/16/07
29	58648--F2	07320054	11/16/07
30	58649--F6	07320028	11/16/07
31	58650--F5	07320057	11/16/07
32	58651--F4	07320064	11/16/07
33	58652--F3	07320065	11/16/07
34	58653--H5G	07320007	11/16/07
35	58654--H6G	07320087	11/16/07
36	58655--I1-GDR	07320001	11/16/07
37	58656--EJ1	07320039	11/16/07
38	58657--J1A	07320031	11/16/07

#	Ref Description	Drawing#	Date
39	58658--HJ1	07320020	11/16/07
40	58659--J1B	07320061	11/16/07
41	58660--J1C	07320050	11/16/07
42	58661--J1	07320010	11/16/07
43	58662--HJ5	07320008	11/16/07
44	58663--HJ7	07320025	11/16/07
45	58664--HJ4	07320044	11/16/07
46	58665--EJ7	07320032	11/16/07
47	58666--J5	07320029	11/16/07
48	58667--HJ5A	07320045	11/16/07
49	58668--J3	07320030	11/16/07
50	58669--J5A	07320026	11/16/07
51	58670--J3A	07320027	11/16/07
52	58671--EJ4	07320051	11/16/07
53	58672--J2	07320046	11/16/07
54	58673--EJ7C	07320047	11/16/07
55	58674--EJ5	07320012	11/16/07
56	58675--J3C	07320011	11/16/07
57	58676--J3B	07320009	11/16/07
58	58677--EJ7A	07320033	11/16/07
59	58678--EJ7B	07320017	11/16/07
60	58679--M1	07320063	11/16/07
61	58680--M2	07320019	11/16/07
62	58681--M3	07320052	11/16/07
63	58682--PB11	07320088	11/16/07
64	58683--PB6	07320060	11/16/07
65	58684--PB10	07320066	11/16/07
66	58685--PB9	07320059	11/16/07
67	58686--PB8	07320041	11/16/07
68	58687--PB7	07320056	11/16/07
69	58688--PB5	07320040	11/16/07
70	58689--PB4	07320021	11/16/07
71	58690--PB3	07320069	11/16/07
72	58691--PB2	07320068	11/16/07
73	58692--PB1	07320067	11/16/07
74	58693--PB12	07320049	11/16/07
75	58694--PB13	07320024	11/16/07
76	58695--PB14	07320023	11/16/07

#7-329
SPARKS CONST.-
COCHENOUR

Roof Plane Sheathing Area = 4328 sq ft
Gable Sheathing Area = 144 sq. ft
Total Sheathing Area = 4472 sq ft
Fascia Material = 370 linear ft
Valley Flashing Material = 181 linear ft
Ridge Cap Material = 85 linear ft
Hip Ridge Material = 240 linear ft



JOB DESCRIPTION:: Sparks Construction
/: Cochenour

JOB NO:
7-329

PAGE NO:
1 OF 1

Top chord 2x6 SP #2 :T4, T5 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W5 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 1.00
TC - From 64 PLF at 1.00 to 64 PLF at 26.50
TC - From 64 PLF at 26.50 to 64 PLF at 28.50
TC - From 64 PLF at 28.50 to 64 PLF at 33.33
BC - From 20 PLF at 0.00 to 20 PLF at 6.67
BC - From 20 PLF at 6.67 to 20 PLF at 33.33
TC - 208 LB Conc. Load at 2.44, 4.44, 6.44
TC - 193 LB Conc. Load at 8.44, 10.44, 12.44, 14.44, 16.44
18.44, 20.44, 22.44, 24.44
TC - 452 LB Conc. Load at 26.50
BC - 424 LB Conc. Load at 0.44
BC - 66 LB Conc. Load at 2.44, 4.44, 6.44
BC - 82 LB Conc. Load at 8.44, 10.44, 12.44, 14.44, 16.44
18.44, 20.44, 22.44, 24.44
BC - 456 LB Conc. Load at 26.50

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

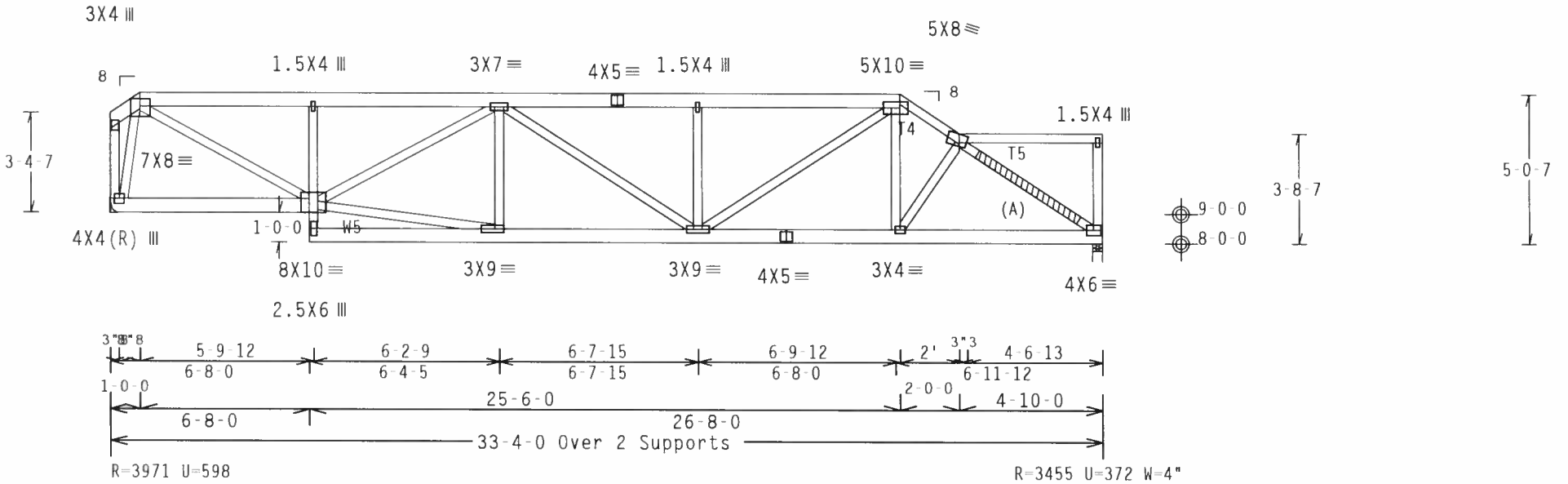
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.04 QTY:1 FL/-/4/-/E/-/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 16 '07

TC LL	20.0 PSF	REF	R8228- 58620
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320084
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61608
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** A2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Filler 2x4 SP #2 Dense

See DWGS TCFILLER0207 and BCFILLER0207 for filler details.

(A) Continuous lateral bracing equally spaced on member.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Laterally brace BC above filler @ 24" O.C.
Including a lateral brace at chord ends.

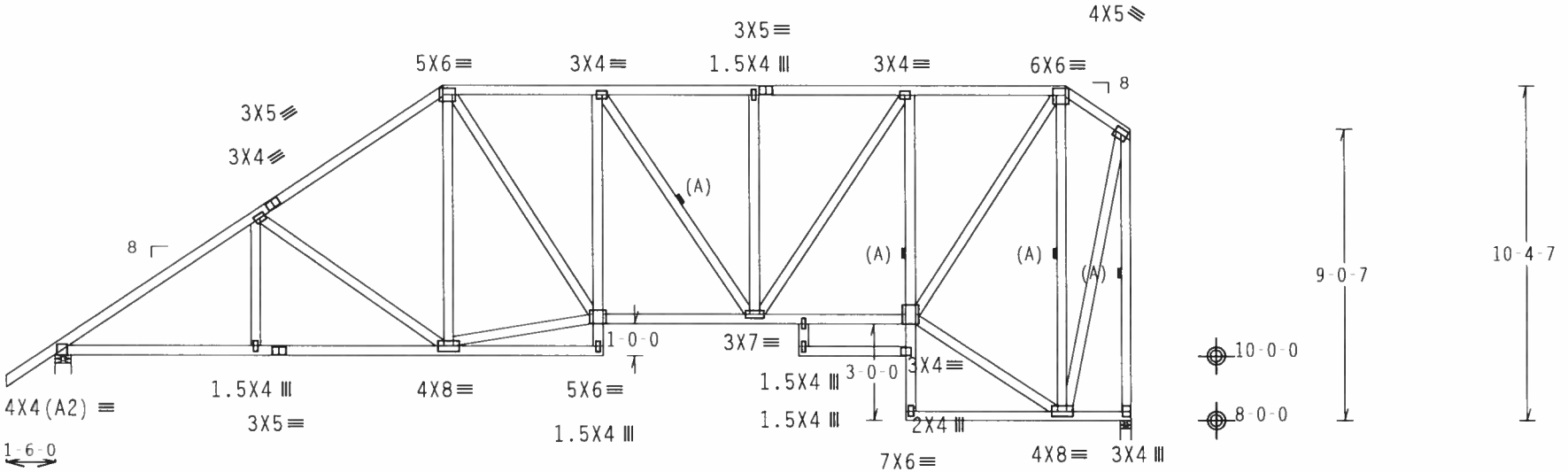
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

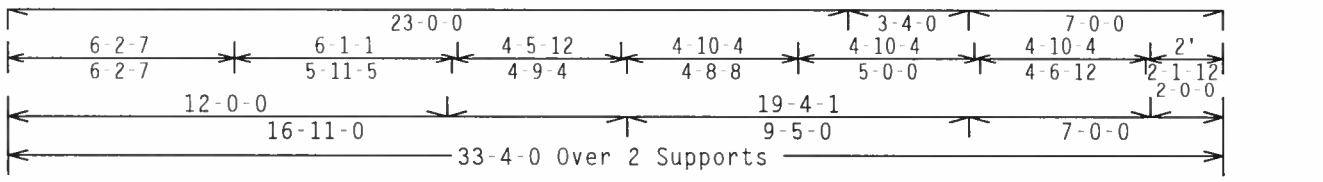
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.04 QTY:1 FL/-/4/-/E/-/- Scale =.1875"/Ft.

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF	R8228- 58621
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320018
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61289
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** A1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(A) Continuous lateral bracing equally spaced on member.

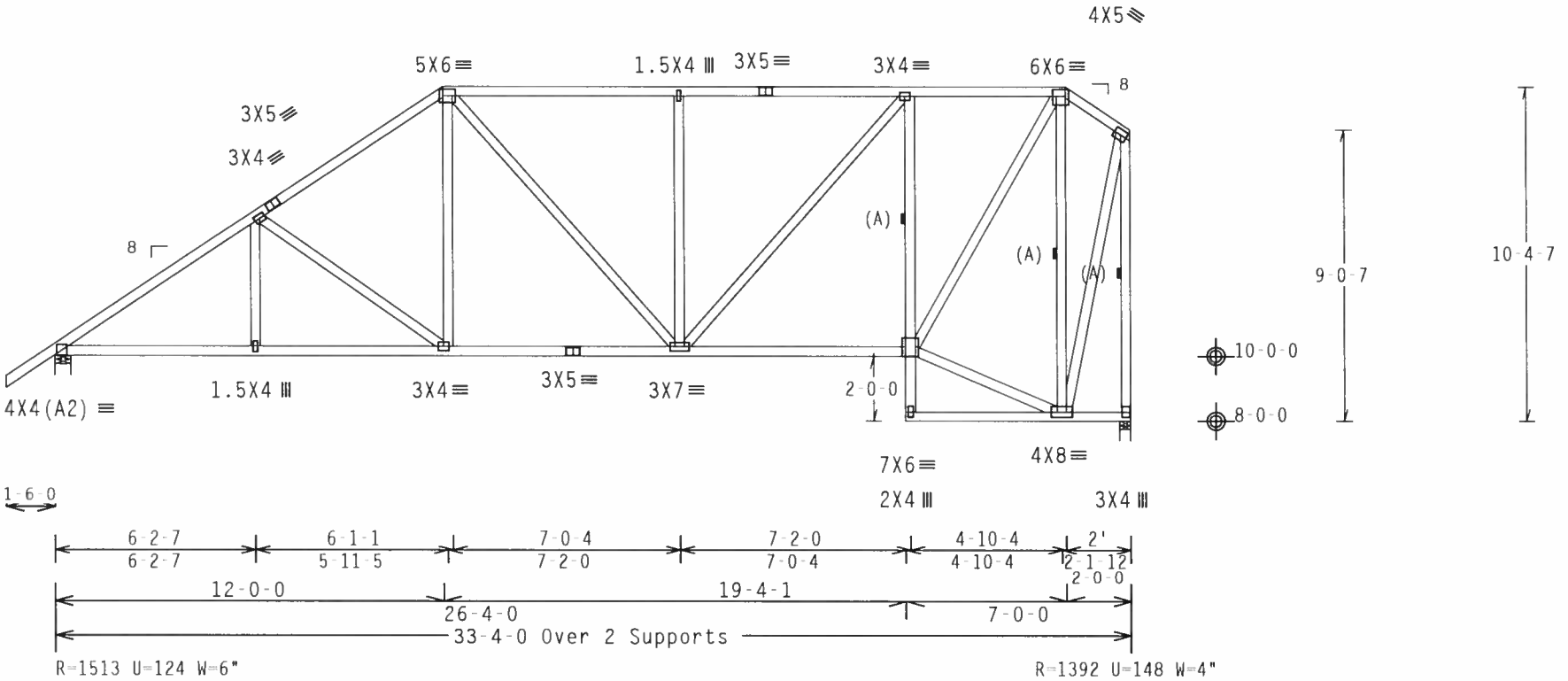
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/E/-/- Scale =.1875"/Ft.

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16 '07

TC LL	20.0 PSF	REF	R8228- 58622
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320043
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	61331
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** H9A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

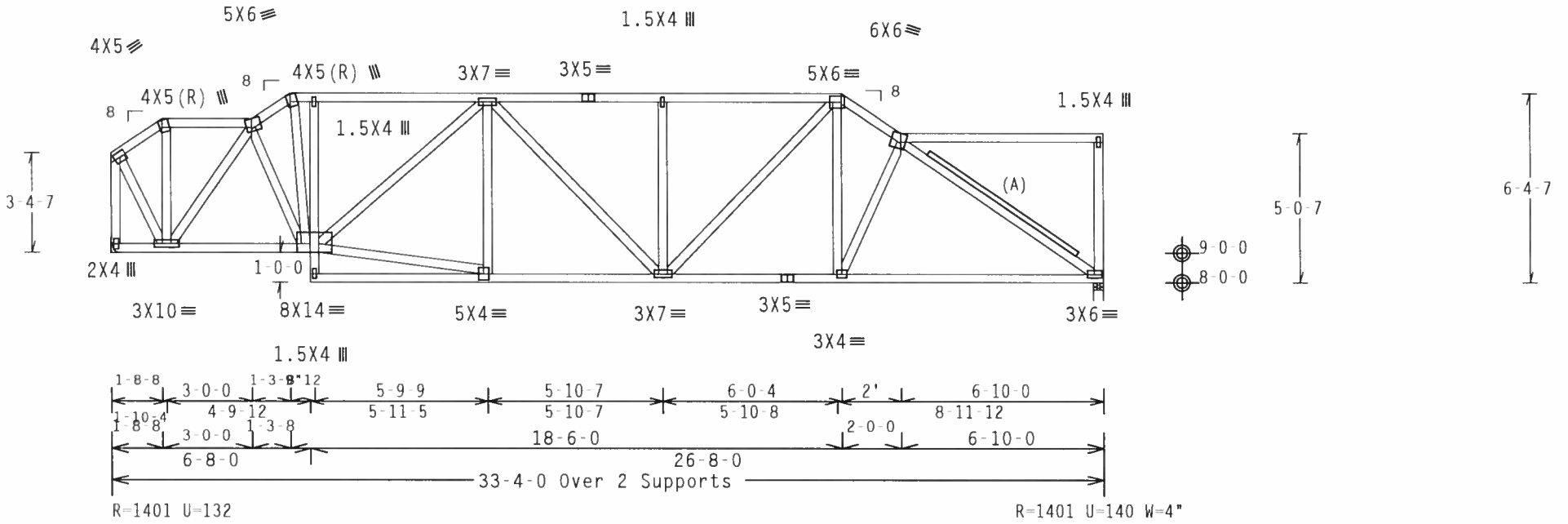
(A) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.04 QTY:1 FL/-/4/-/E/-/- Scale =.1875"/Ft.

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

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TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320013
BC LL	0.0 PSF		HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN-	61357
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour   Lot 6 Pinemount Meadows Subdvn , **   H11A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

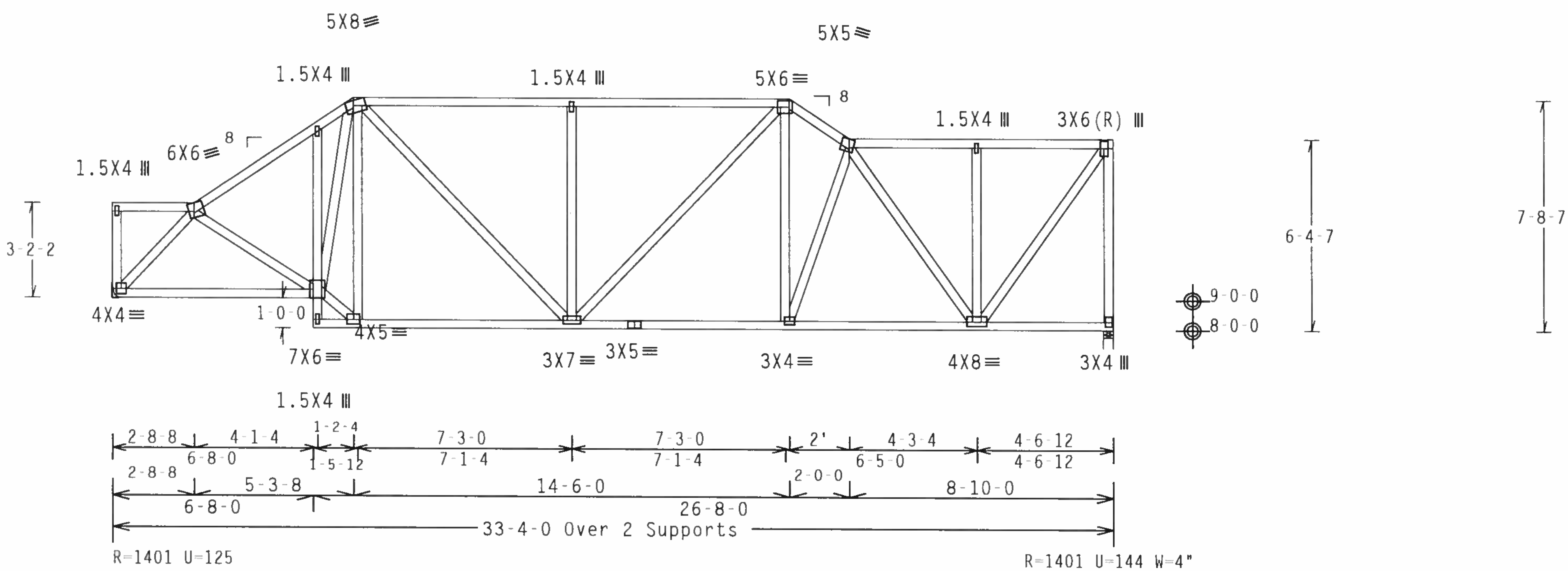
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Provide for complete drainage of roof.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

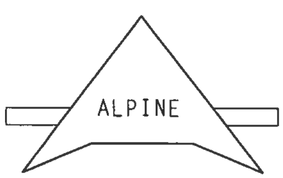
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave   Cq/RT=1.00(1.25)/0(0)   7.36.042   QTY:1   FL/-/4/-/E/-/-   Scale =.1875"/Ft.



ITW Building Components Group, Inc.
Haines City, FL 33844
FL C[illegible]ate of A[illegible]ation # [illegible]

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

[illegible] 16 '07

TC LL	20.0 PSF	REF	R8228- 58624
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320014
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61364
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** H13A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(B) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

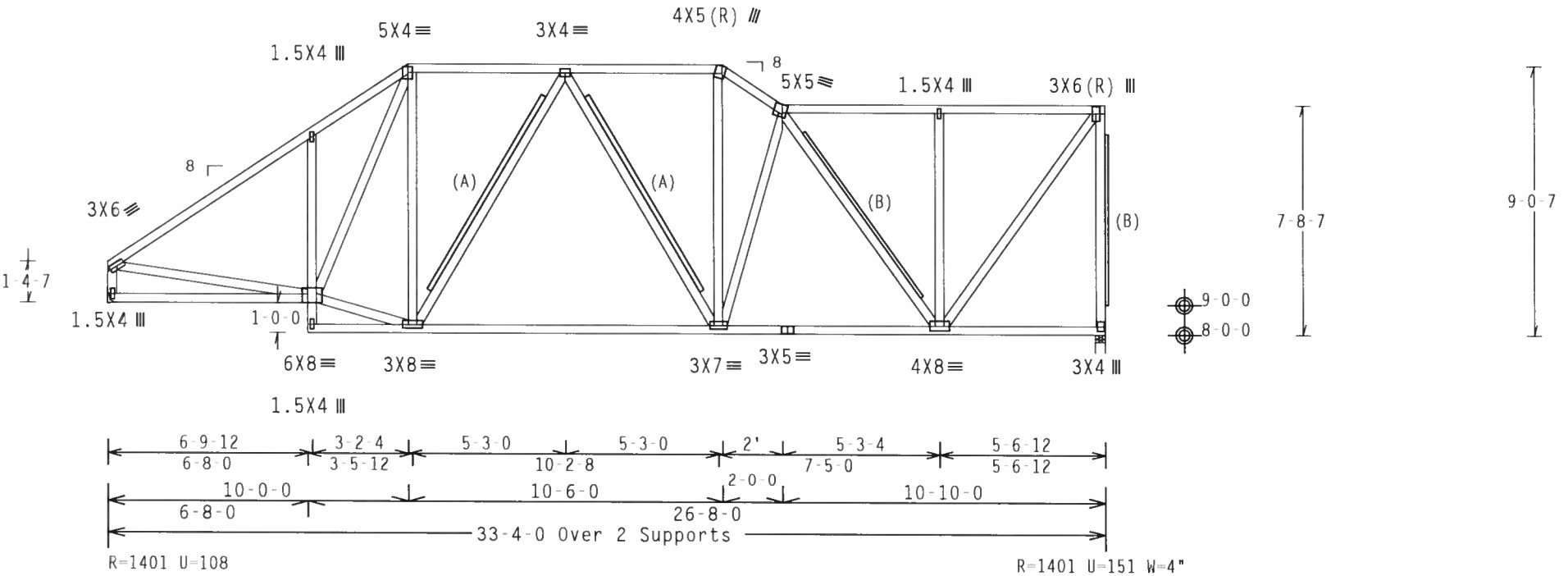
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.04[illegible] QTY:1 FL/-/4/-/E/-/- Scale =.1875"/Ft.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

TC LL	20.0 PSF	REF	R8228- 58625
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320015
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61372
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** H15A)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

(B) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

(C) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

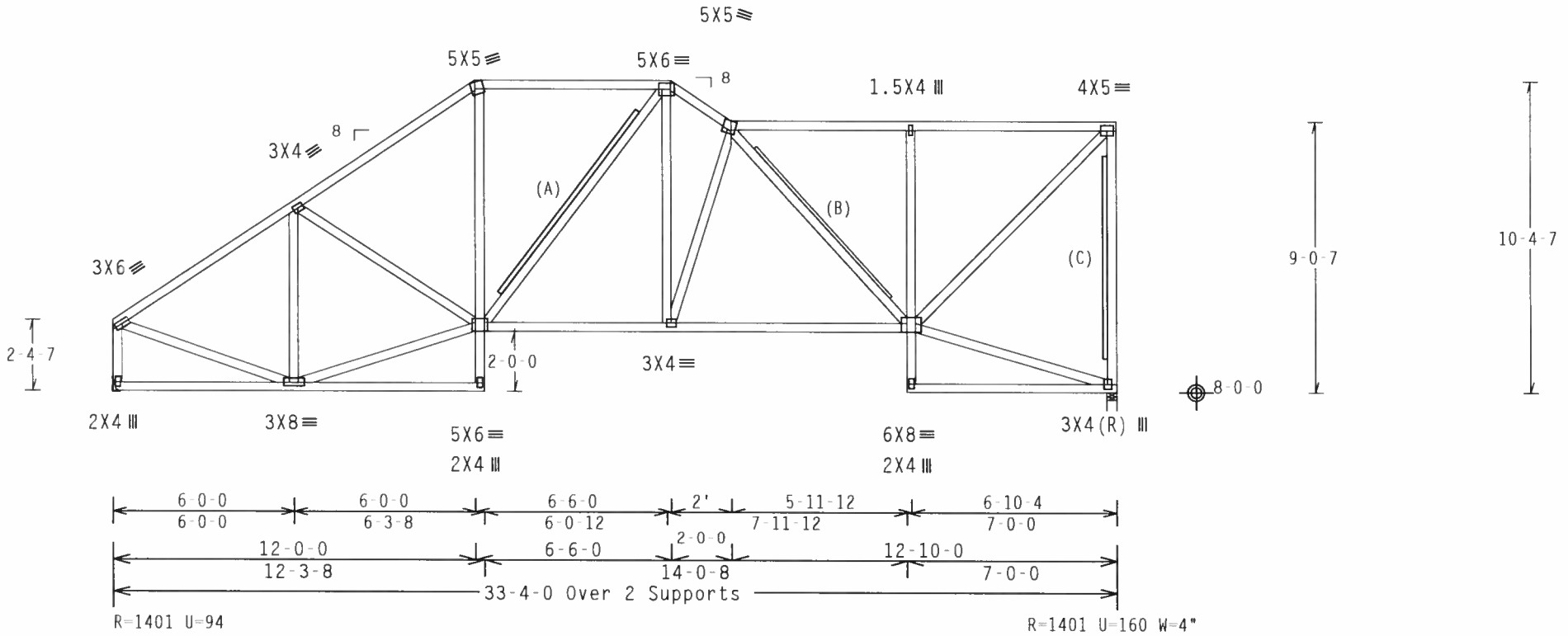
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.1875"/Ft.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 279

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

TC LL	20.0 PSF	REF	R8228- 58626
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320016
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61382
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** H7B)

Top chord 2x4 SP #2 Dense :T2, T3 2x6 SP #2:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 :W10, W11 2x6 SP #2:

End verticals not exposed to wind pressure.

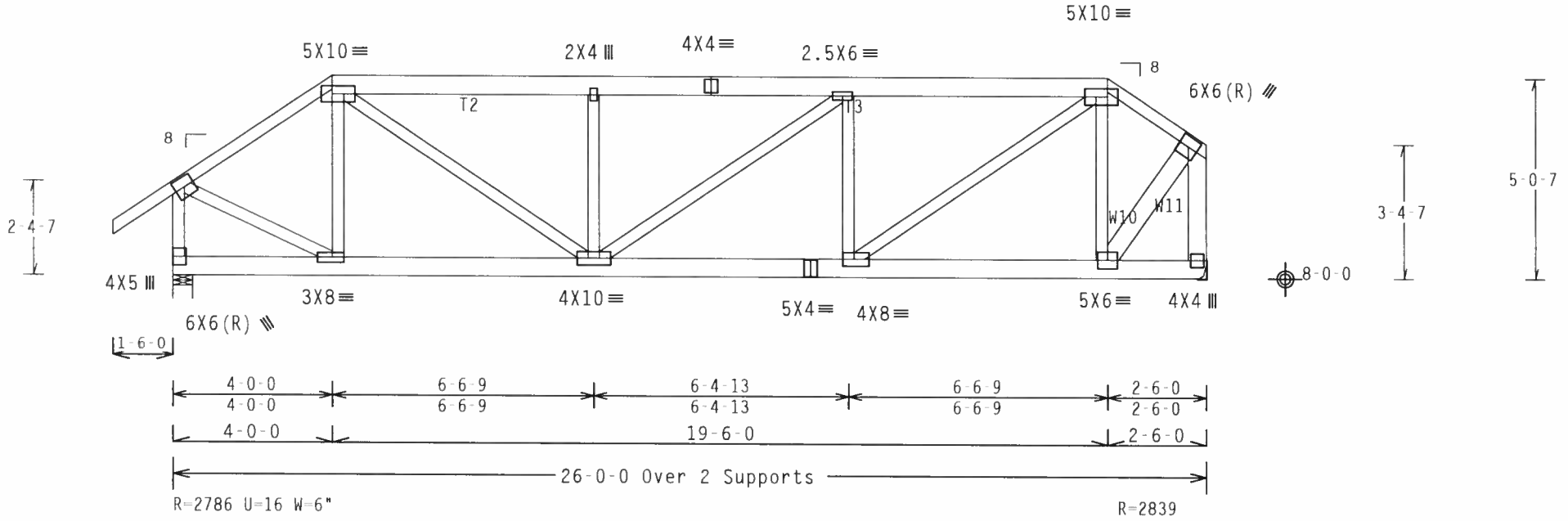
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Left side jacks have 4-0-0 setback.
End jacks have 7-0-0 setback.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.042 [illegible] QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible] 16 '07

TC LL	20.0 PSF	REF	R8228- 58627
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320085
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61631
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** H9B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

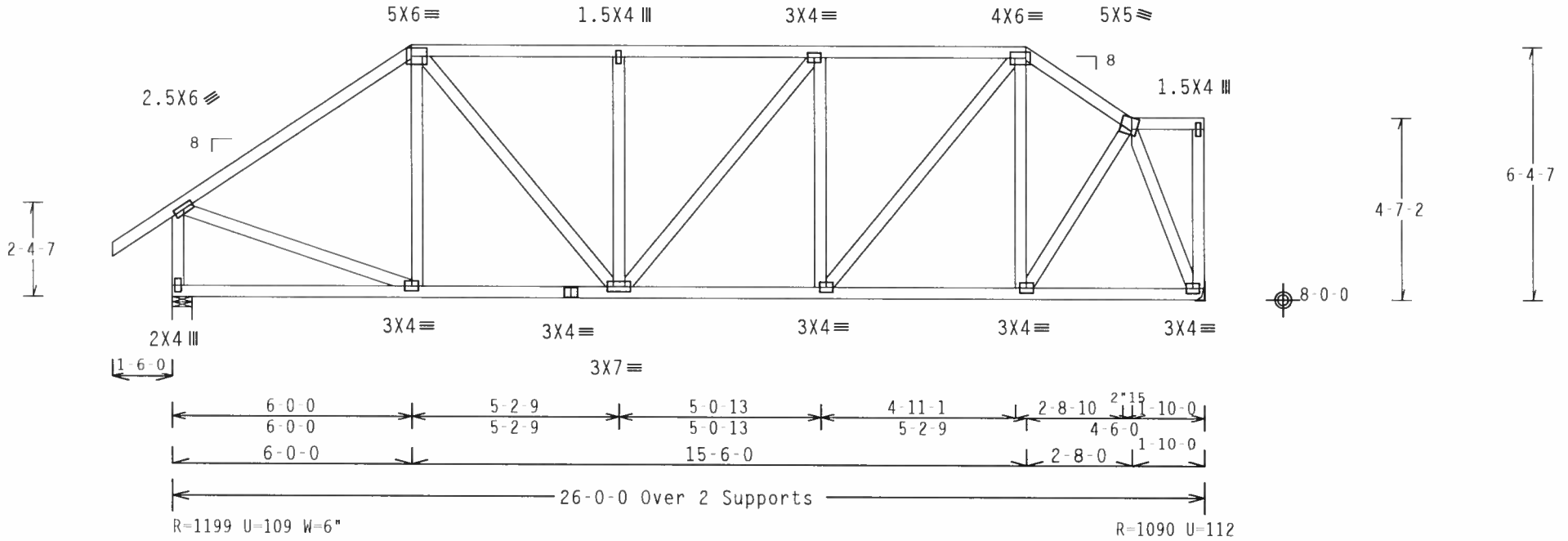
End verticals not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.042[illegible] QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

TC LL	20.0 PSF	REF	R8228- 58628
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320034
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61159
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** H11B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

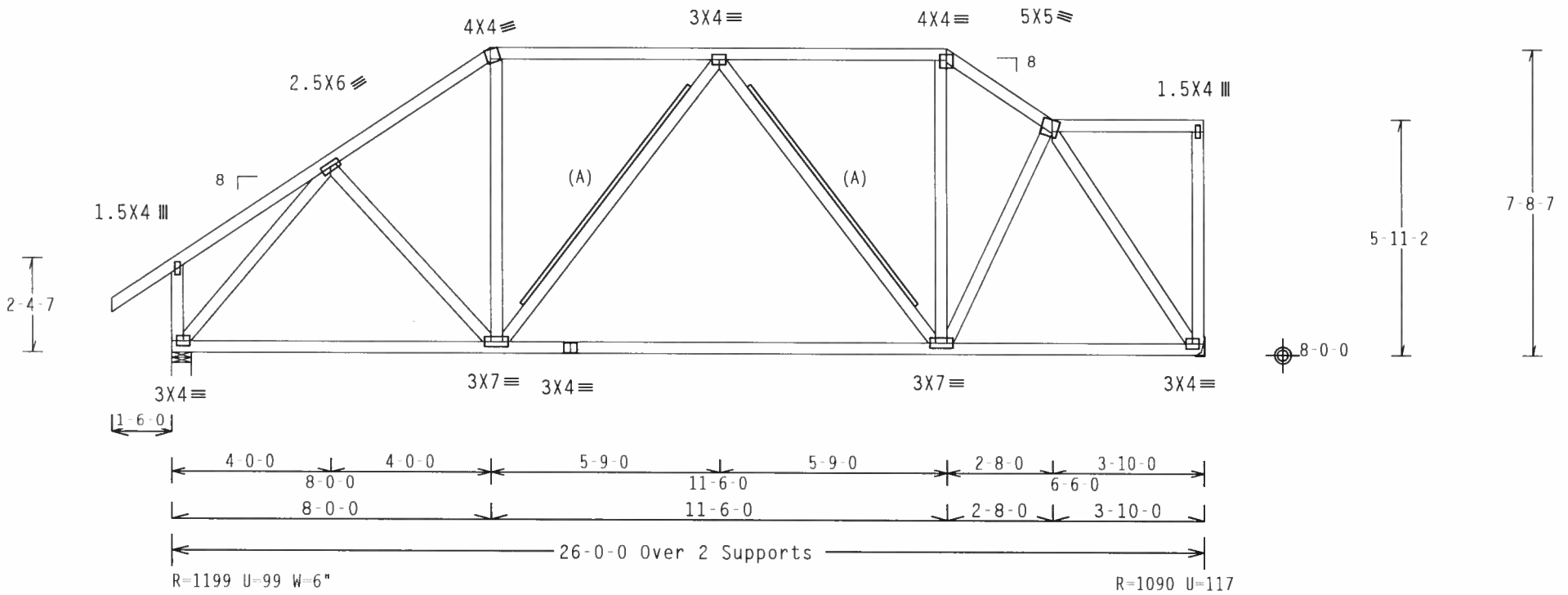
(A) 1x4 #3 or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.04 QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF	R8228- 58629
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320035
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61166
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7-329--Sparks Construction Cochenour -- Lot 6 Pinemount Meadows Subdvn , ** - H13B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

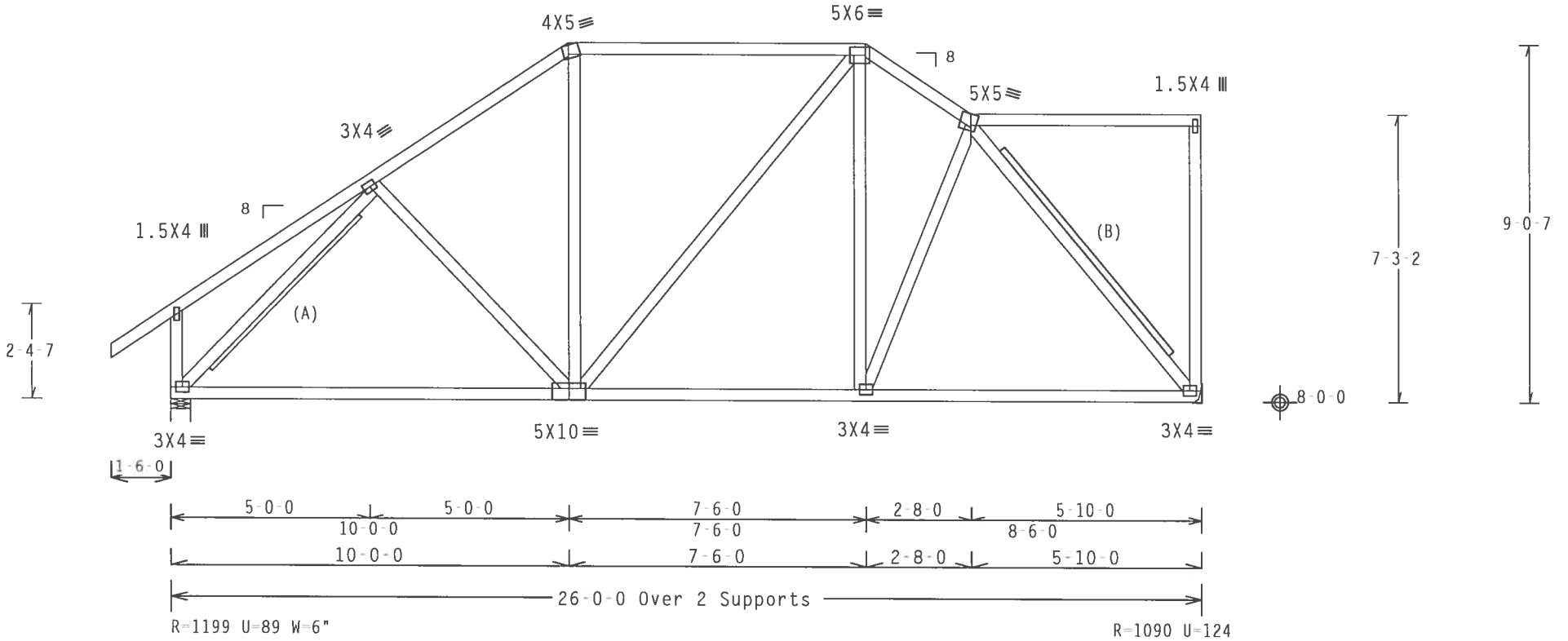
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.04[illegible] QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE

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16 '07

TC LL	20.0 PSF	REF	R8228- 58630
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320036
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61173
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** H15B)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

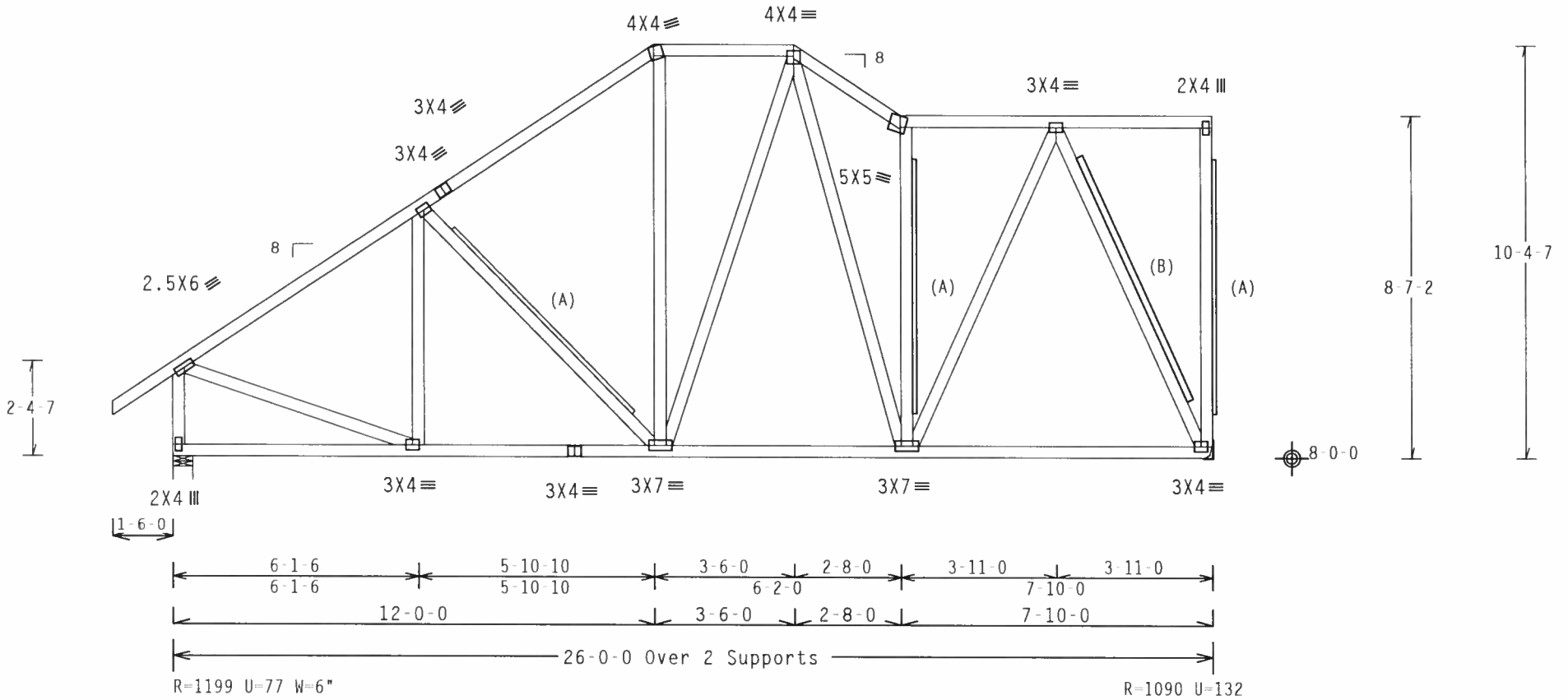
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(B) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 279

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

TC LL	20.0 PSF	REF	R8228- 58631
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320037
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61183
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** B1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

(A) 1x4 #3 or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

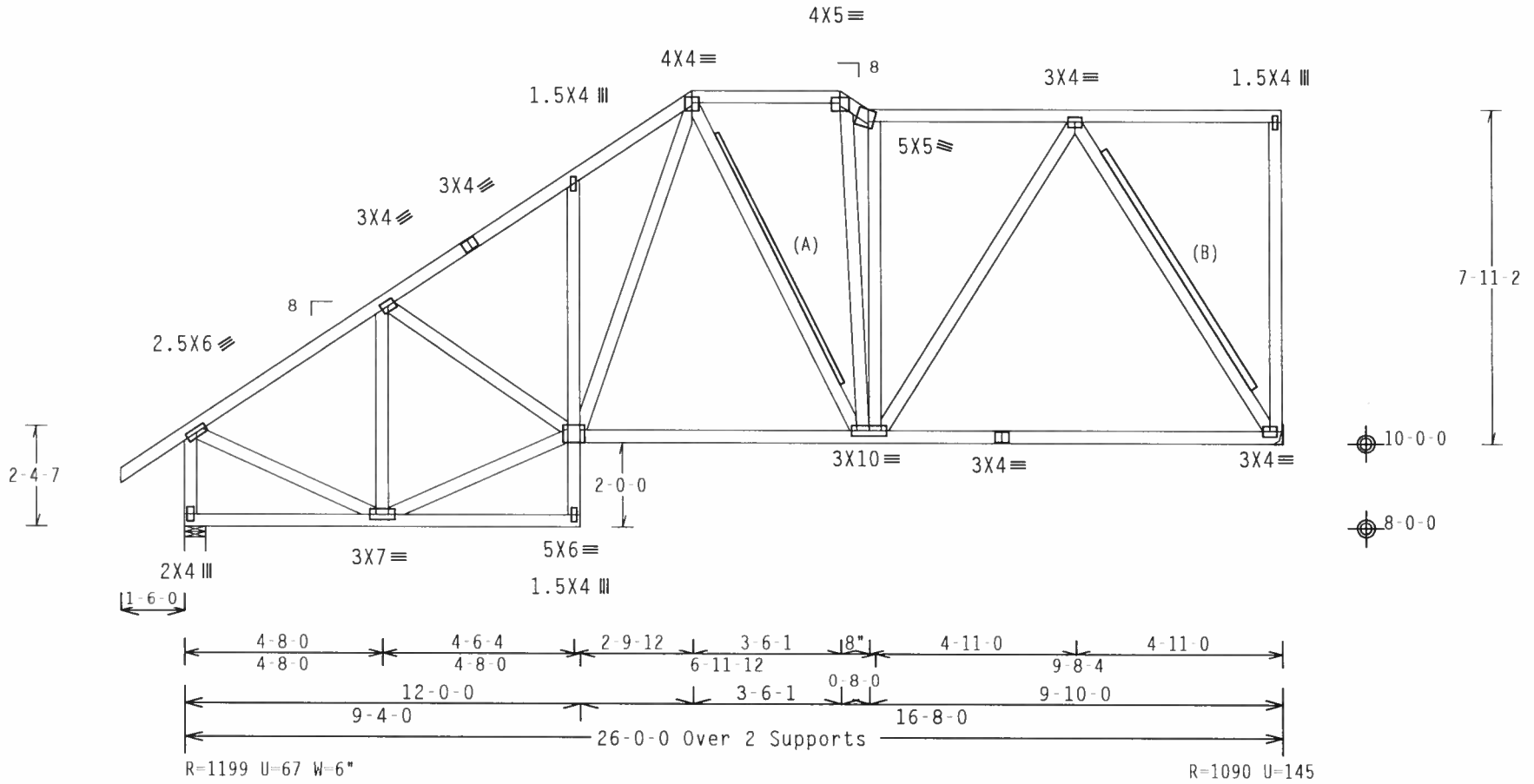
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(B) 2x4 #3 or better "T" brace, 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.043 QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

TC LL	20.0 PSF	REF	R8228- 58632
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320038
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61190
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** B2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

(B) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

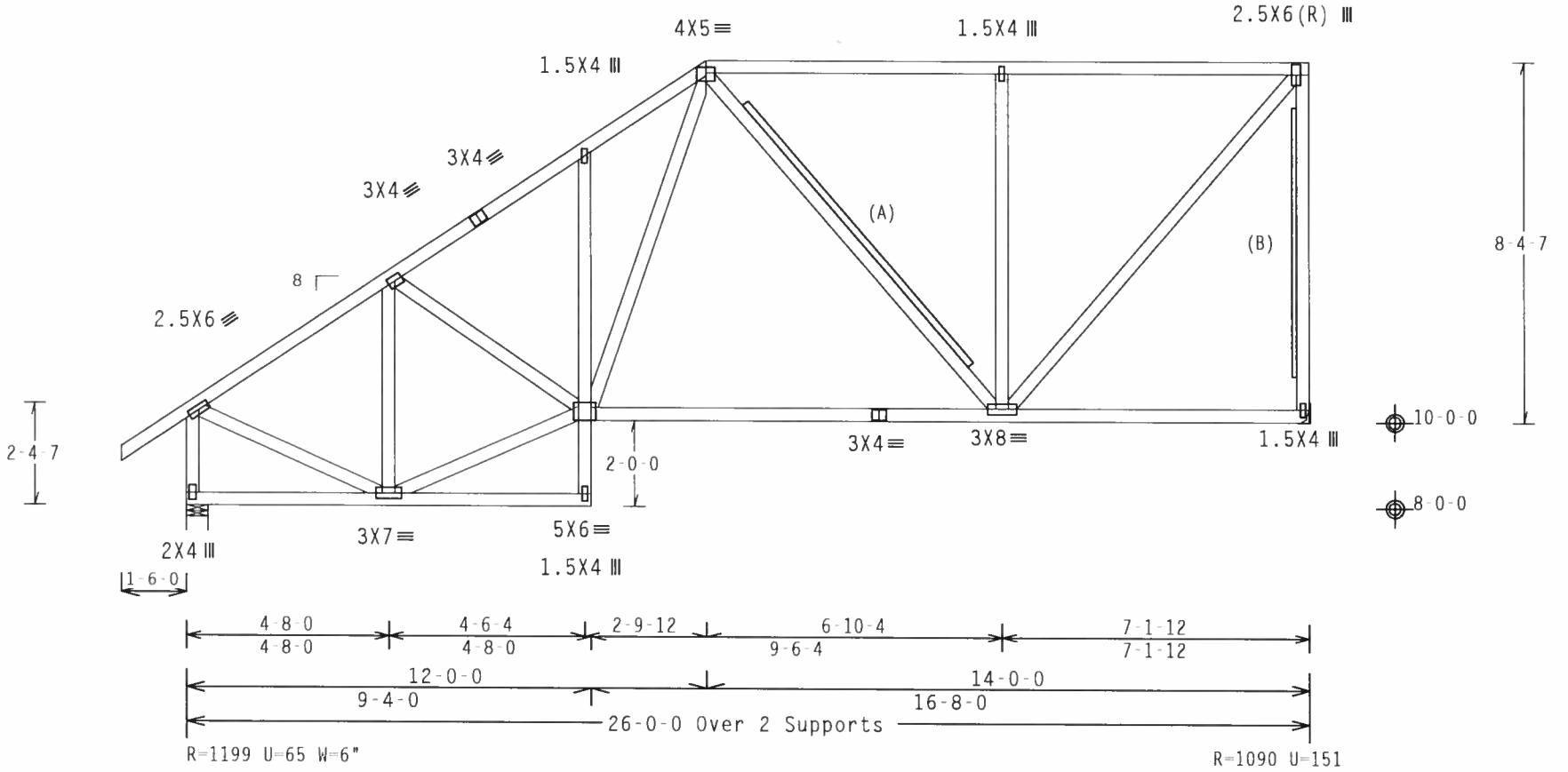
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.042

QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 279

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

TC LL	20.0 PSF	REF R8228- 58633
TC DL	10.0 PSF	DATE 11/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07320048
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 61201
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TCI8228Z04

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
Filler 2x4 SP #2 Dense

See DWGS TCFILLER0207 and BCFILLER0207 for filler details.

Laterally brace BC at 24" OC in lieu of rigid ceiling. Laterally brace BC above filler at 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

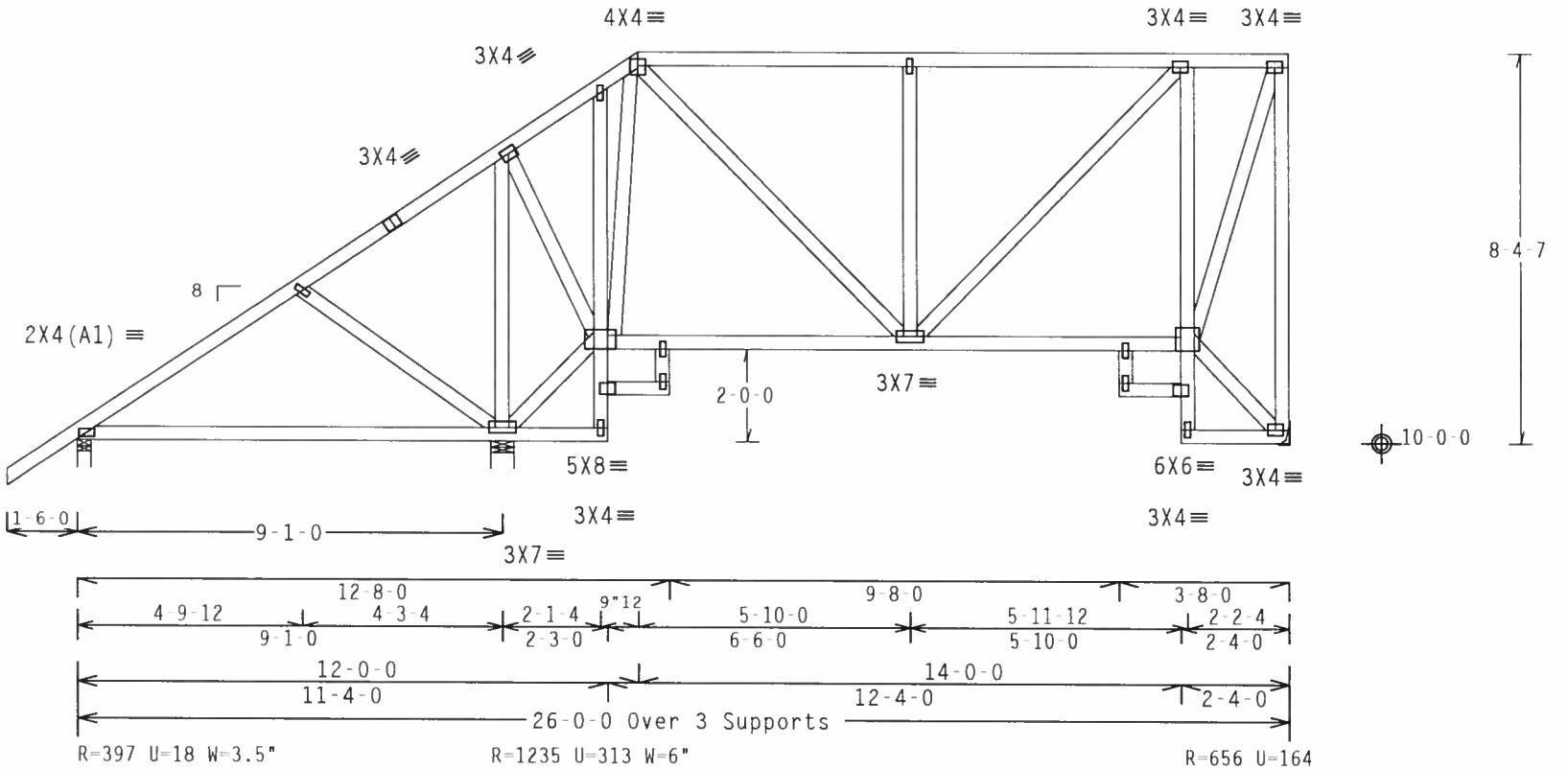
Laterally brace BC above filler @ 24" O.C. Including a lateral brace at chord ends.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

TC LL	20.0 PSF	REF	R8228- 58634
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320062
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61223
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** B4)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

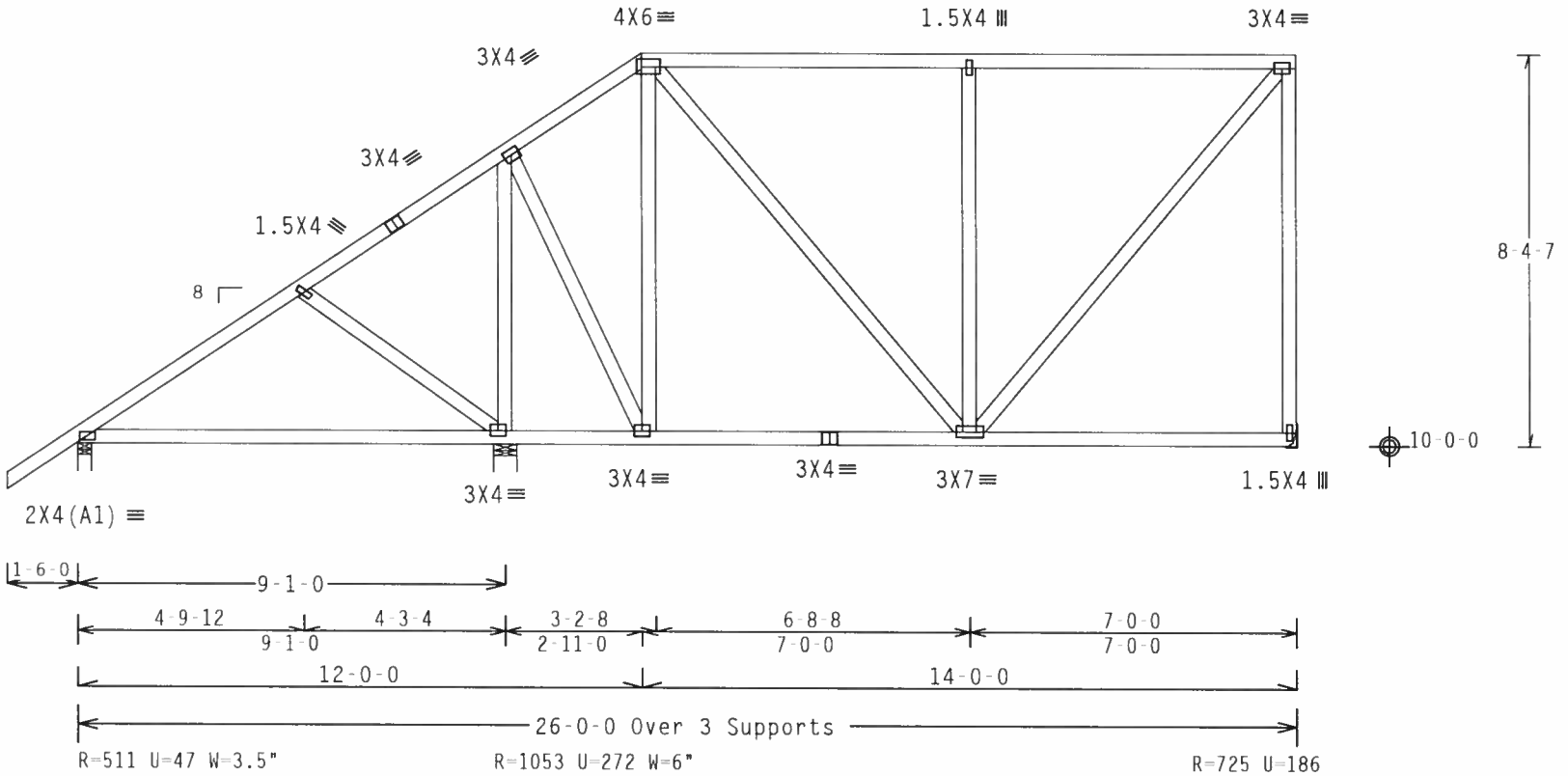
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF R8228- 58635
TC DL	10.0 PSF	DATE 11/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07320042
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 61258
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TCI8228Z04

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

(B) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

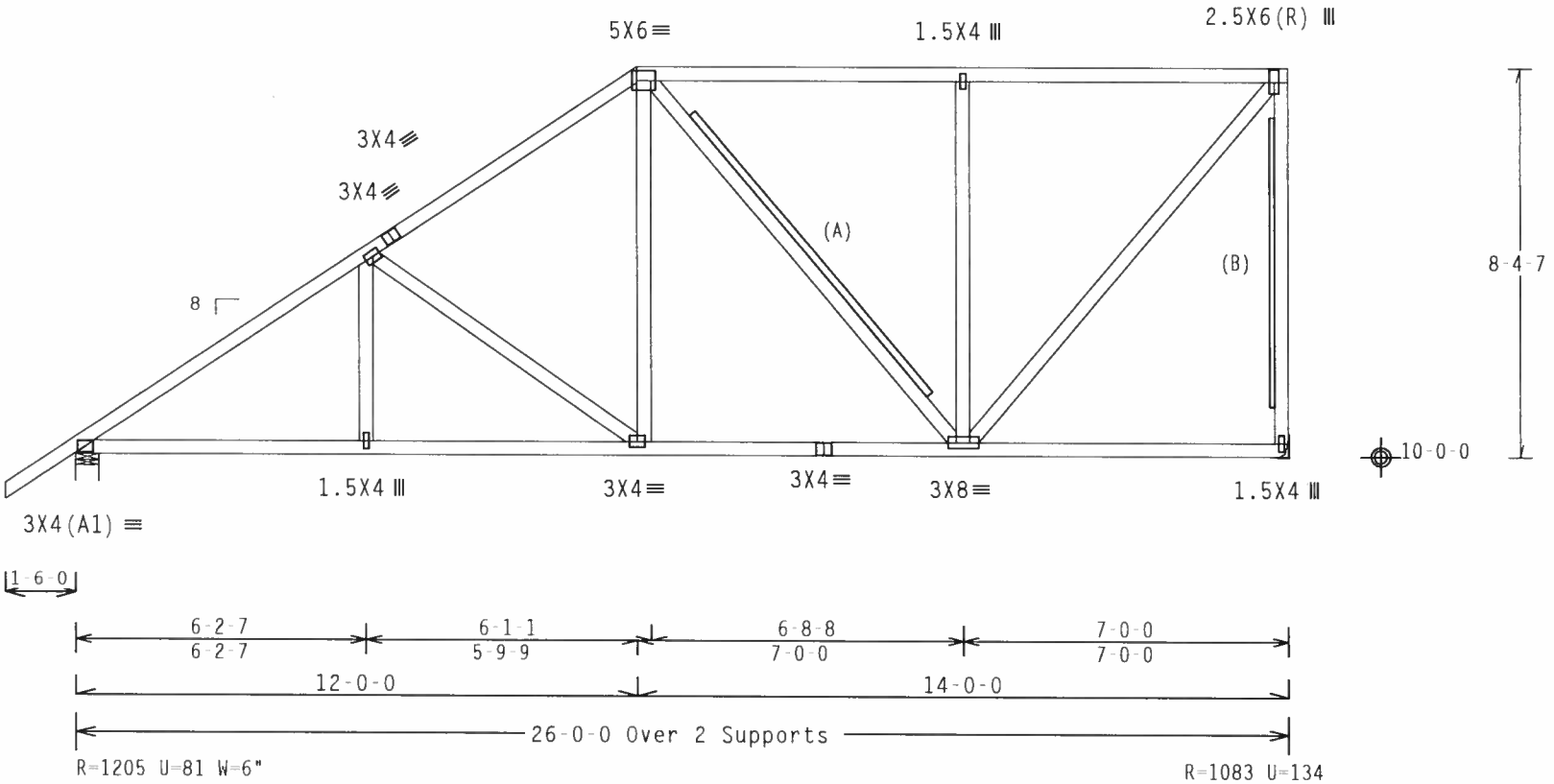
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.0[illegible] QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL C[illegible]ate of A[illegible]ation # 0 279

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

[illegible]V 16 '07

TC LL	20.0 PSF	REF R8228- 58636
TC DL	10.0 PSF	DATE 11/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07320022
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 61271
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TCI8228Z04

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

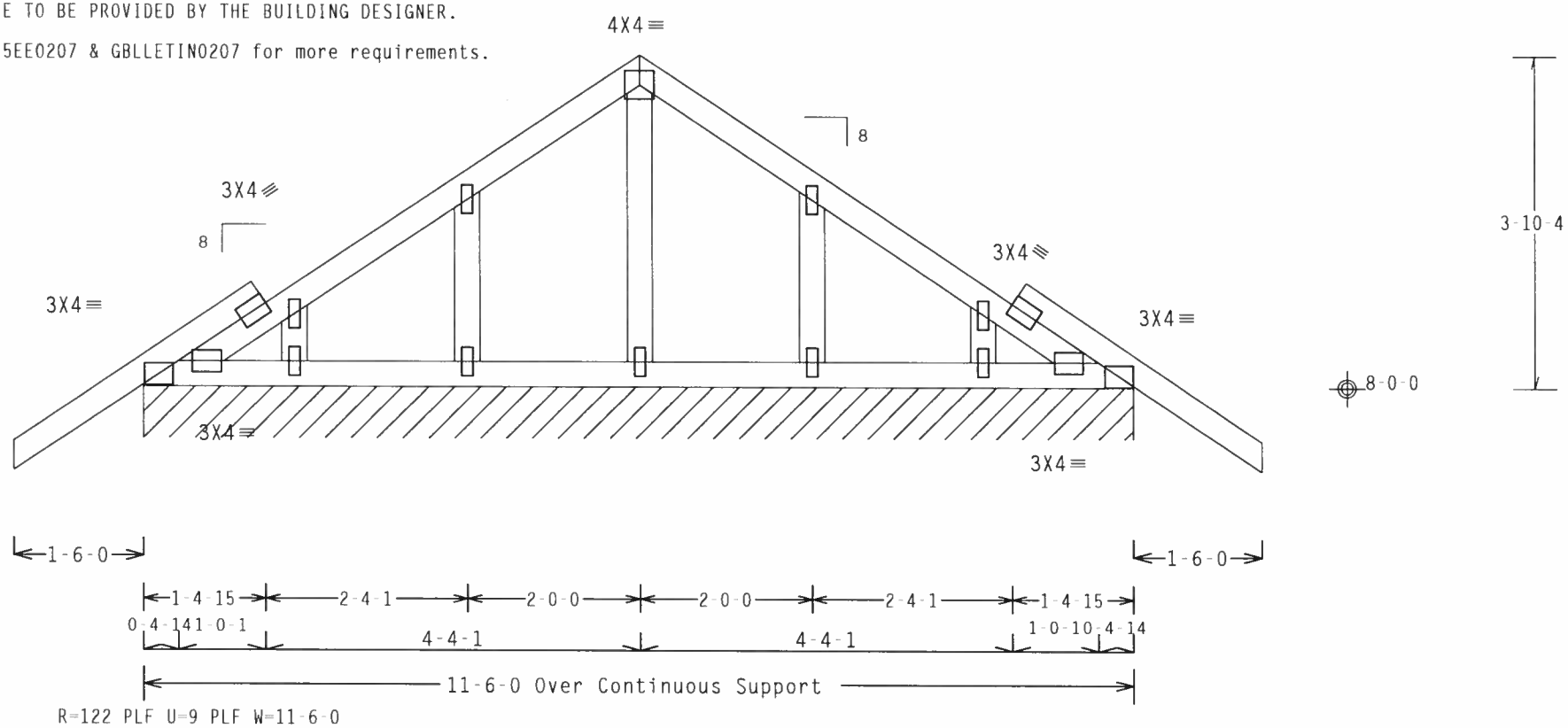
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF, FLOOR AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. DIAPHRAGMS AND SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.04 QTY:1 FL/-/4/-/E/-/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

TC LL	20.0 PSF	REF	R8228- 58637
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320070
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	60923
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JREF-	1TCI8228Z04

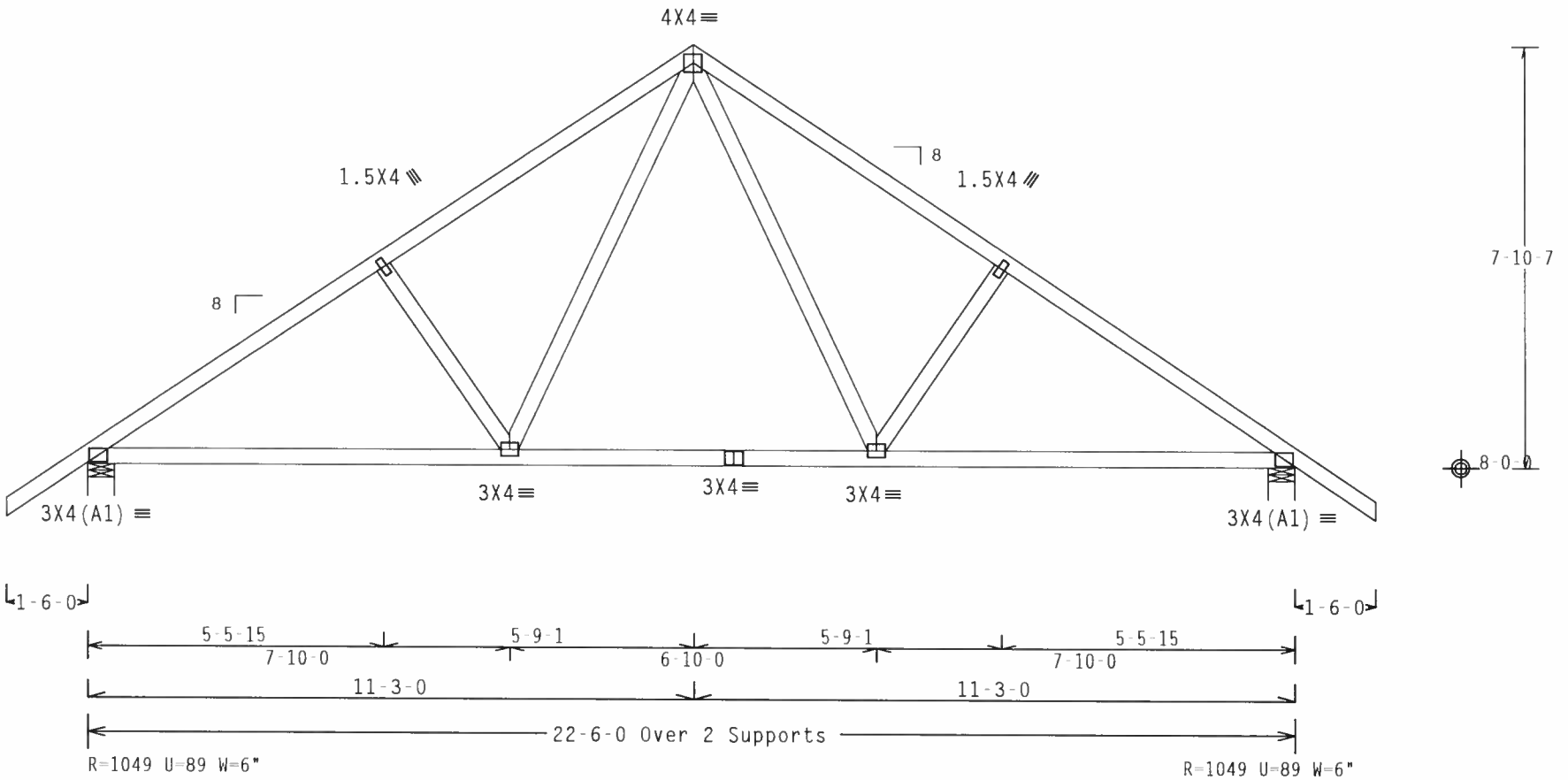
(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** D1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF	R8228- 58638
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320002
BC LL	0.0 PSF	HC-ENG	DF/DF *
TOT.LD.	40.0 PSF	SEQN-	60970
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** D2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

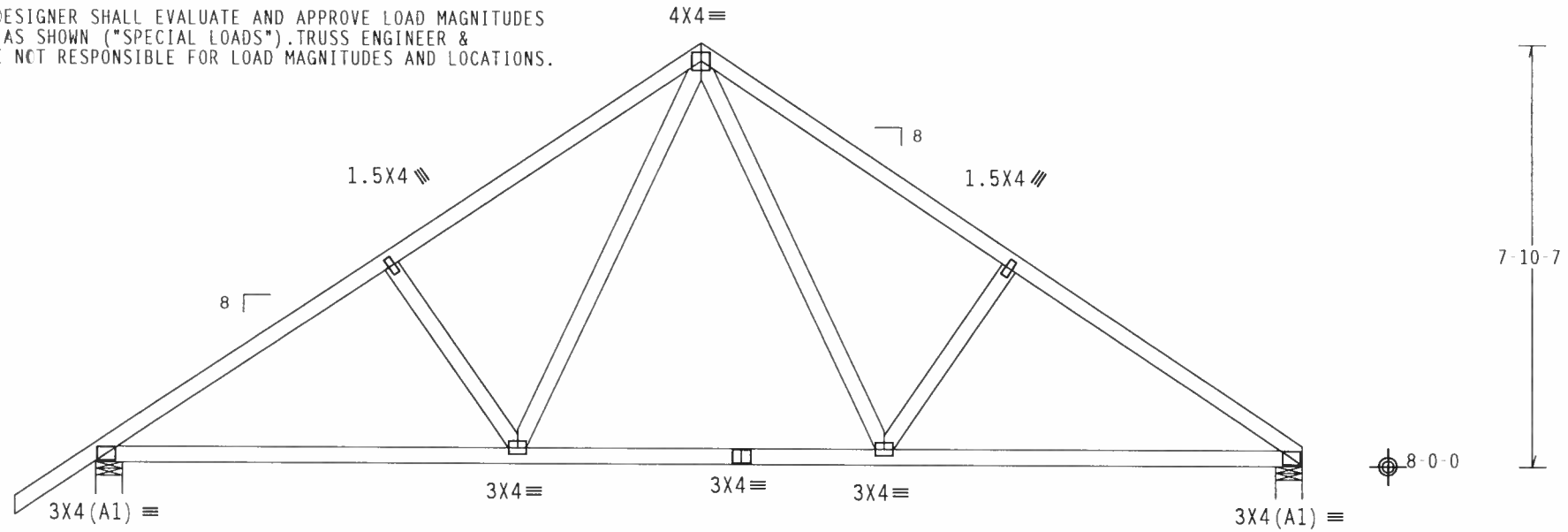
SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 11.25
TC - From 64 PLF at 11.25 to 64 PLF at 22.50
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.00
BC - From 20 PLF at 12.00 to 20 PLF at 22.50
TC - 246 LB Conc. Load at 20.33

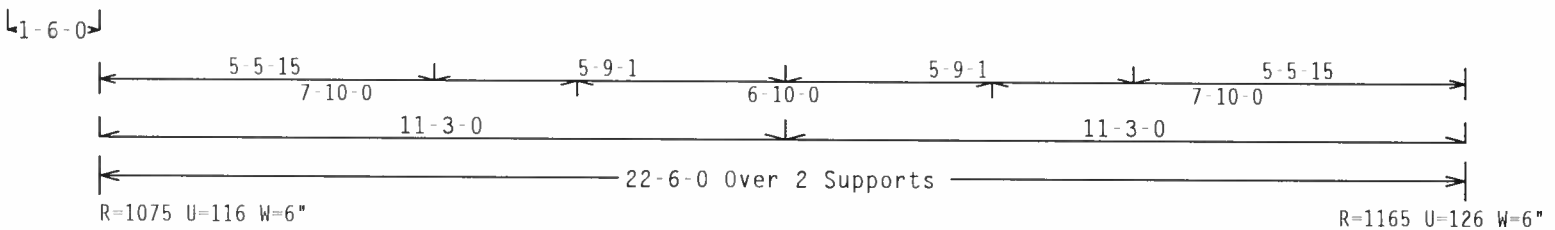
THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS").TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF	R8228- 58639
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320003
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61564
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** D3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

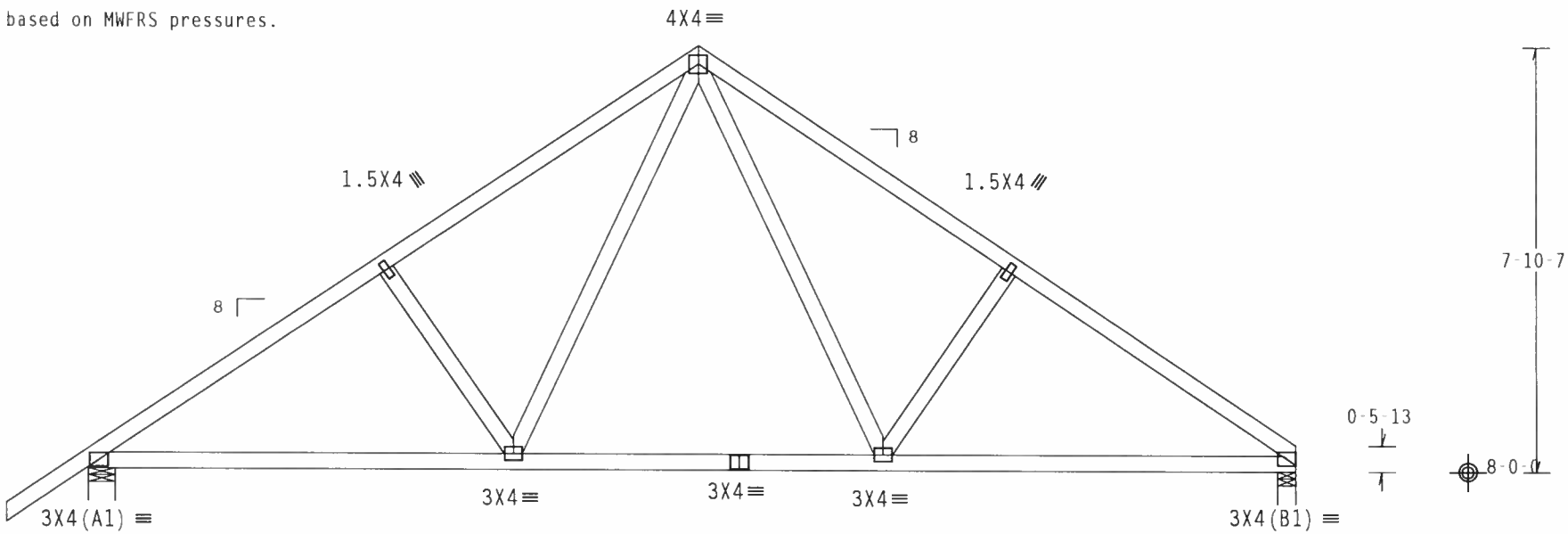
SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 11.25
TC - From 64 PLF at 11.25 to 64 PLF at 22.33
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.00
BC - From 20 PLF at 12.00 to 20 PLF at 22.33
TC - 246 LB Conc. Load at 20.33

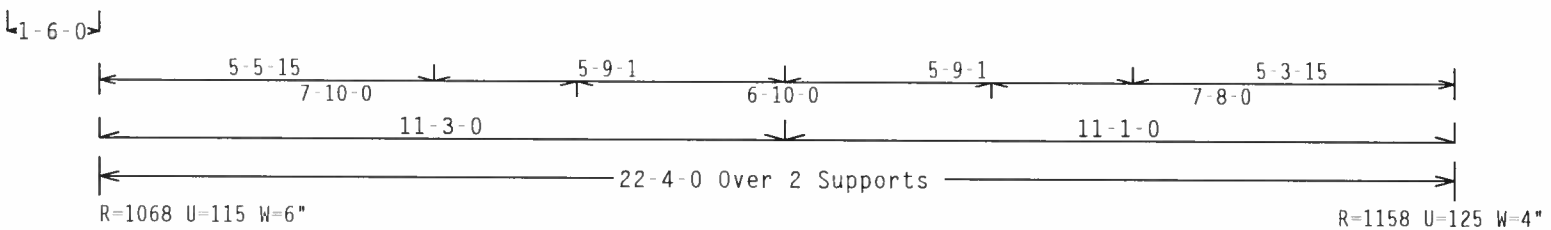
Wind reactions based on MWFRS pressures.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS").TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS. PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.3125"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 279

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF	R8228- 58640
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320004
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61560
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JRFF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** D GE)

THIS WAS PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Stack Chord SC1 2x4 SP #2 Dense:
:Stack Chord SC2 2x4 SP #2 Dense:

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF, FLOOR AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. DIAPHRAGMS AND SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.

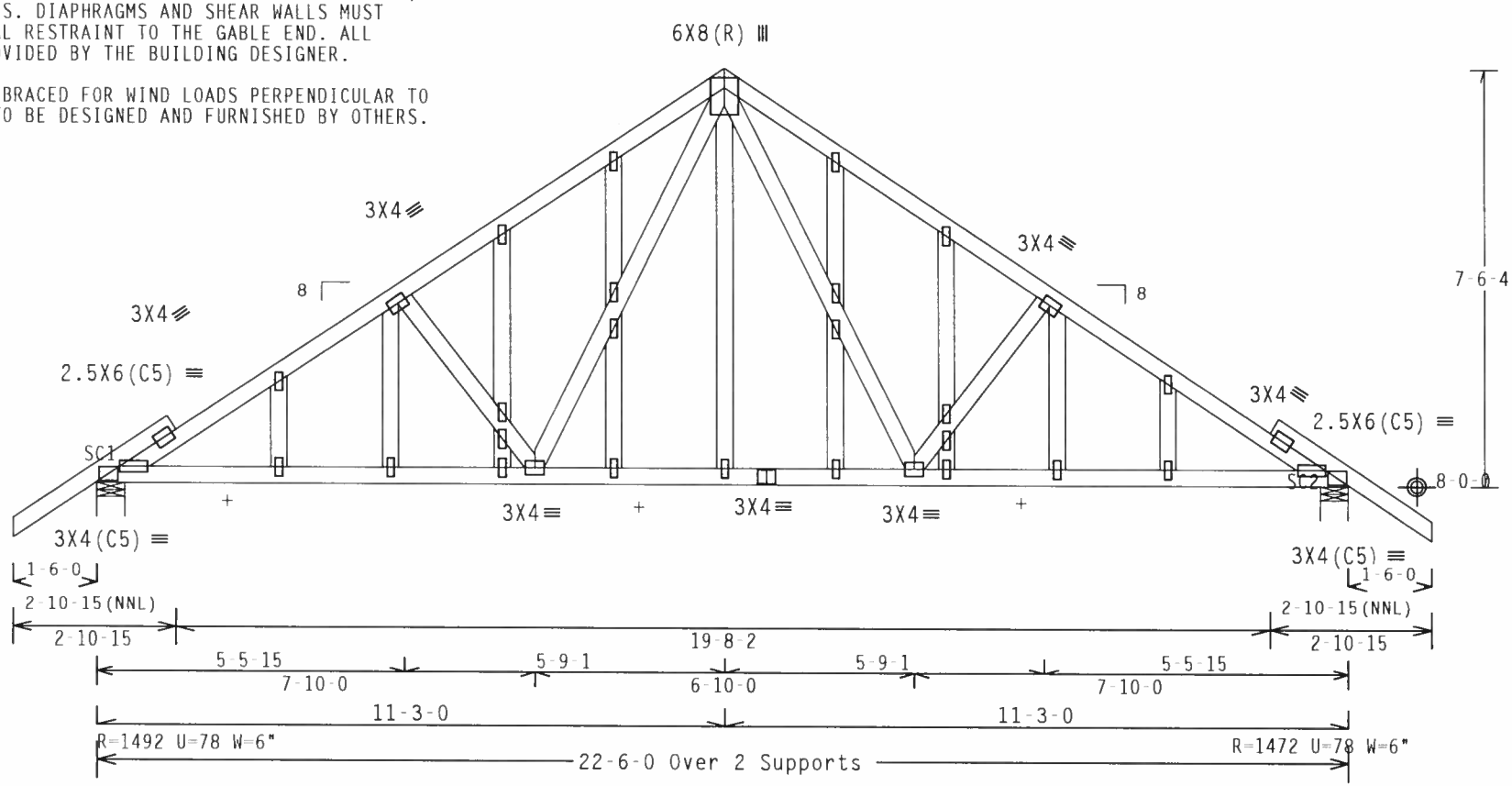
+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" o.c. intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie-plates 24" o.c. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.043 QTY:1 FL/-/4/-/E/-/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF R8228- 58641
TC DL	10.0 PSF	DATE 11/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07320071
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 61053
DUR.FAC.	1.25	FROM AH
SPACING	SEE ABOVE	JREF- 1TCI8228Z04

(7-329--Sparks Construction Cochenour -- Lot 6 Pinemount Meadows Subdvn , ** - E-GE)

THIS BAG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Truss spaced at 24.0" OC designed to support 1-0-0 top chord outlookers. Cladding load shall not exceed 10.00 PSF. Top chord must not be cut or notched.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

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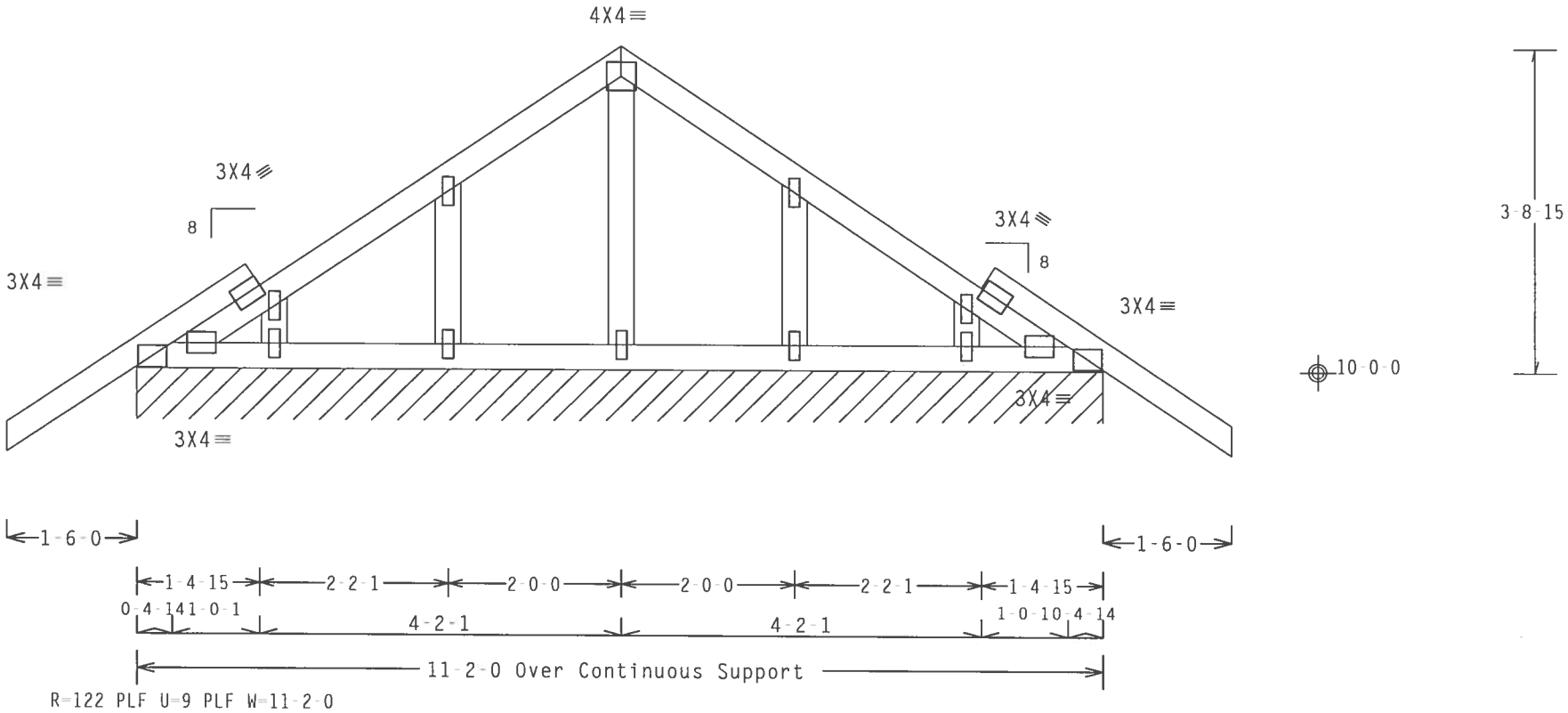

Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.043 QTY:1 FL/-/4/-/E/-/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

TC LL	20.0 PSF	REF R8228- 58642
TC DL	10.0 PSF	DATE 11/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07320005
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 61012
DUR.FAC.	1.25	FROM AH
SPACING	SEE ABOVE	JREF- 1TCI8228Z04

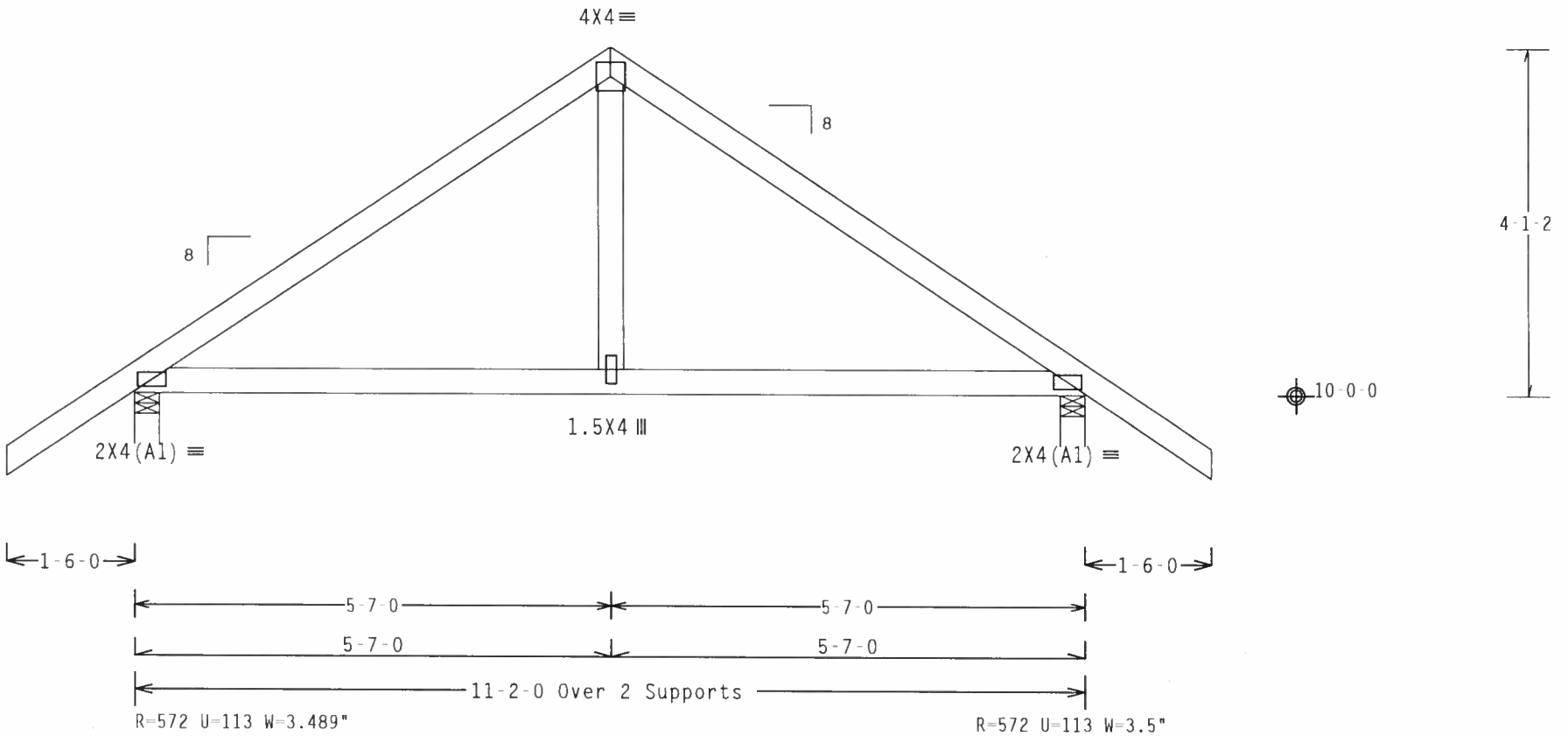
(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** E1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART. ENC. bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.04 QTY:1 FL/-/4/-/E/-/- Scale =.5"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF R8228- 58643
TC DL	10.0 PSF	DATE 11/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07320006
BC LL	0.0 PSF	HC-ENG DF/DF *
TOT.LD.	40.0 PSF	SEQN- 61016
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JREF- 1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** F7 GDR)

Top chord 2x4 SP #2 Dense :T4 2x6 SP #2:
Bot chord 2x8 SP SS
Webs 2x4 SP #3 :W2, W7, W14 2x4 SP #2 Dense:
:W9 2x6 SP #2:
:Rt Slider 2x4 SP #3: BLOCK LENGTH = 3.906'

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at 0.00 to 64 PLF at 20.83
TC - From 64 PLF at 20.83 to 64 PLF at 32.21
TC - From 64 PLF at 32.21 to 64 PLF at 34.88
TC - From 64 PLF at 34.88 to 64 PLF at 40.50
BC - From 20 PLF at 0.00 to 20 PLF at 22.00
BC - From 20 PLF at 22.00 to 20 PLF at 39.00
BC - From 5 PLF at 39.00 to 5 PLF at 40.50
PLT- 241 LB Conc. Load at (34.88,11.07)
BC - 1083 LB Conc. Load at 1.06
BC - 2839 LB Conc. Load at 31.94
BC - 1272 LB Conc. Load at 33.40
PLB- 725 LB Conc. Load at (3.06,10.04)
PLB- 657 LB Conc. Load at (5.06,10.04), (7.06,10.04), (8.94,10.04) (9.94,10.04), (11.94,10.04), (13.94,10.04), (15.94,10.04), (17.94,10.04)
PLB- 1090 LB Conc. Load at (19.94,10.04), (21.94,10.04), (23.94,8.04) (25.94,8.04), (27.94,8.04), (29.94,8.04)
PLB- 88 LB Conc. Load at (34.88,8.04)

Left end vertical not exposed to wind pressure.

3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Common_(0.148"x3.25",_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 4.00" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

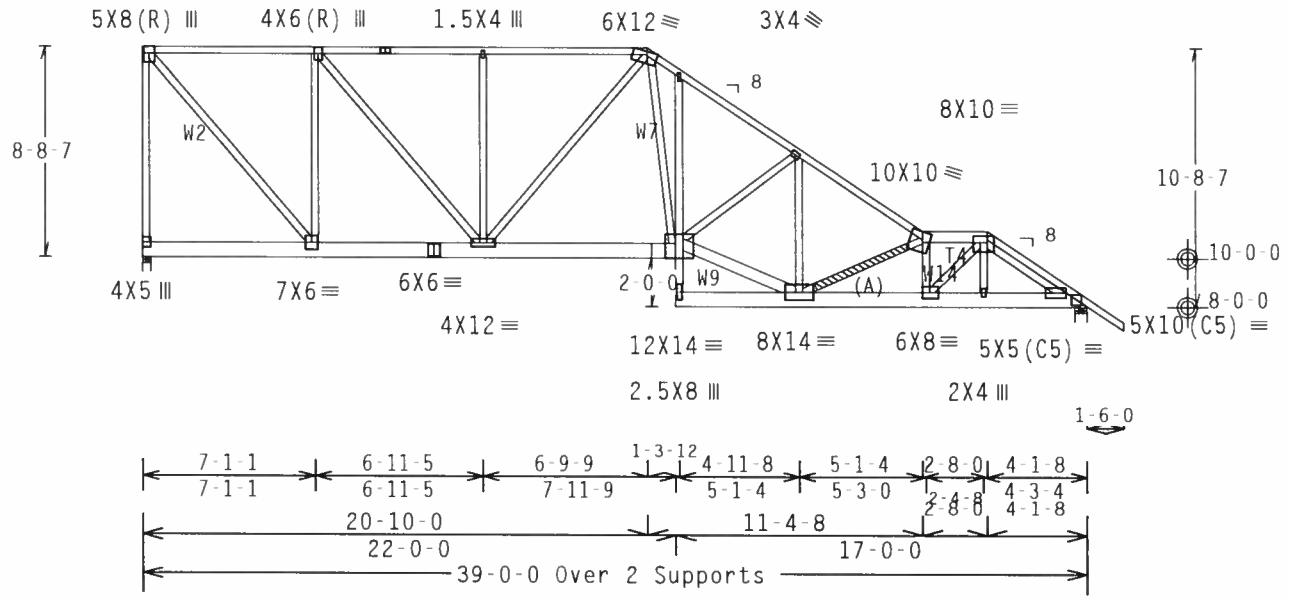
Wind reactions based on MWFRS pressures.

Max JT VERT DEFL: LL: 0.30" DL: 0.45" recommended camber 3/4"

(A) #3 or better scab brace. Same size & 80% length of web member. Attach with 10d Box or Gun (0.128"x3",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

3X5≡ Deflection meets L/240 live and L/180 total load. Creep
1.5X4 Ⅲ increase factor for dead load is 1.50.



R=10089 U=1085 W=4"

R=11333 U=1291 W=6"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.04 QTY:1 FL/-/4/-/E/-/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 279

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W,H/SS/K) ASTM A653 GRADE 40/60 (W, K/H,SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE PER ANNEX A3 OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF R8228- 58644
TC DL	10.0 PSF	DATE 11/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07320086
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 61644
DUR.FAC.	1.25	FROM AH
SPACING	SEE ABOVE	JRFF- 1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** F1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

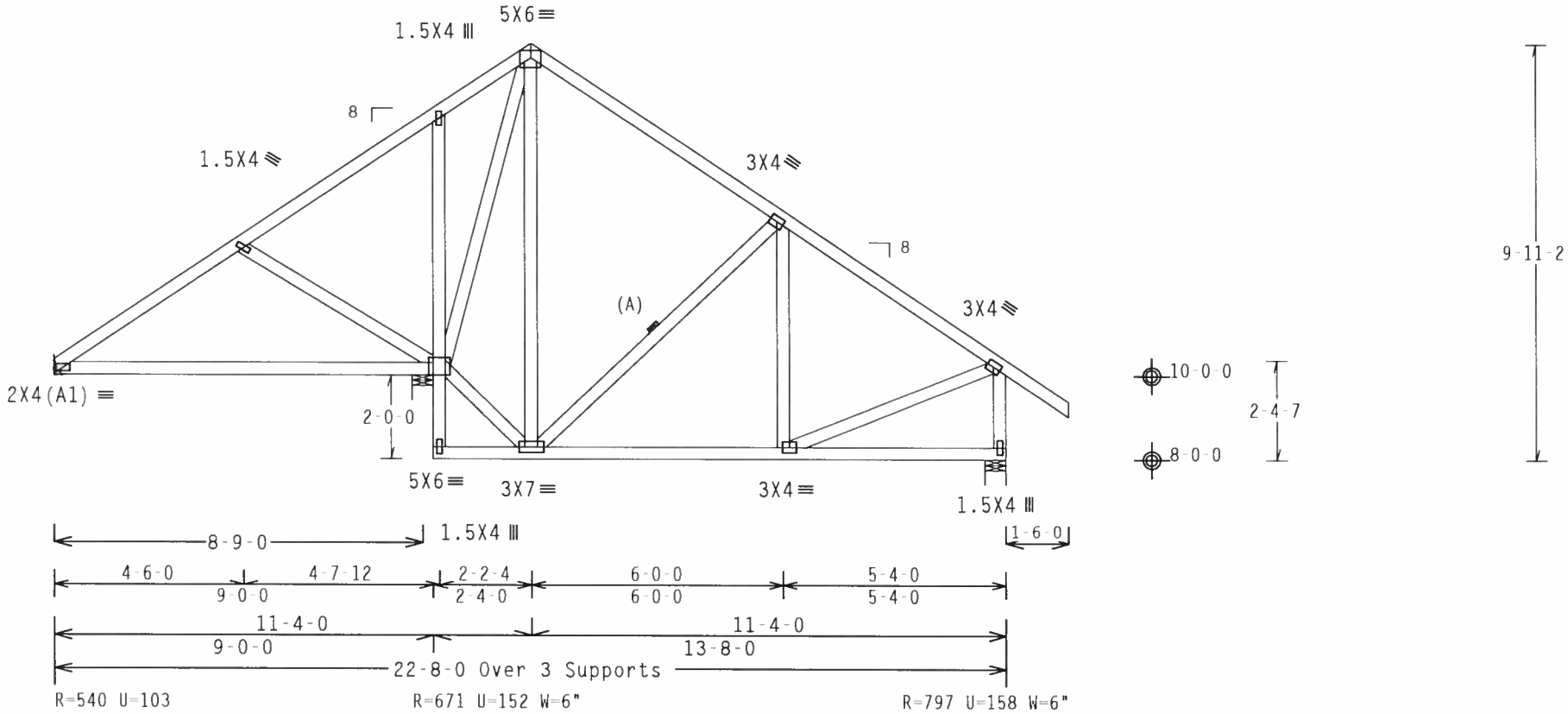
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.04 QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOV 16 '07

TC LL	20.0 PSF	REF	R8228- 58645
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320055
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61134
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** F8)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:
:Lt Bearing Leg 2x4 SP #3:

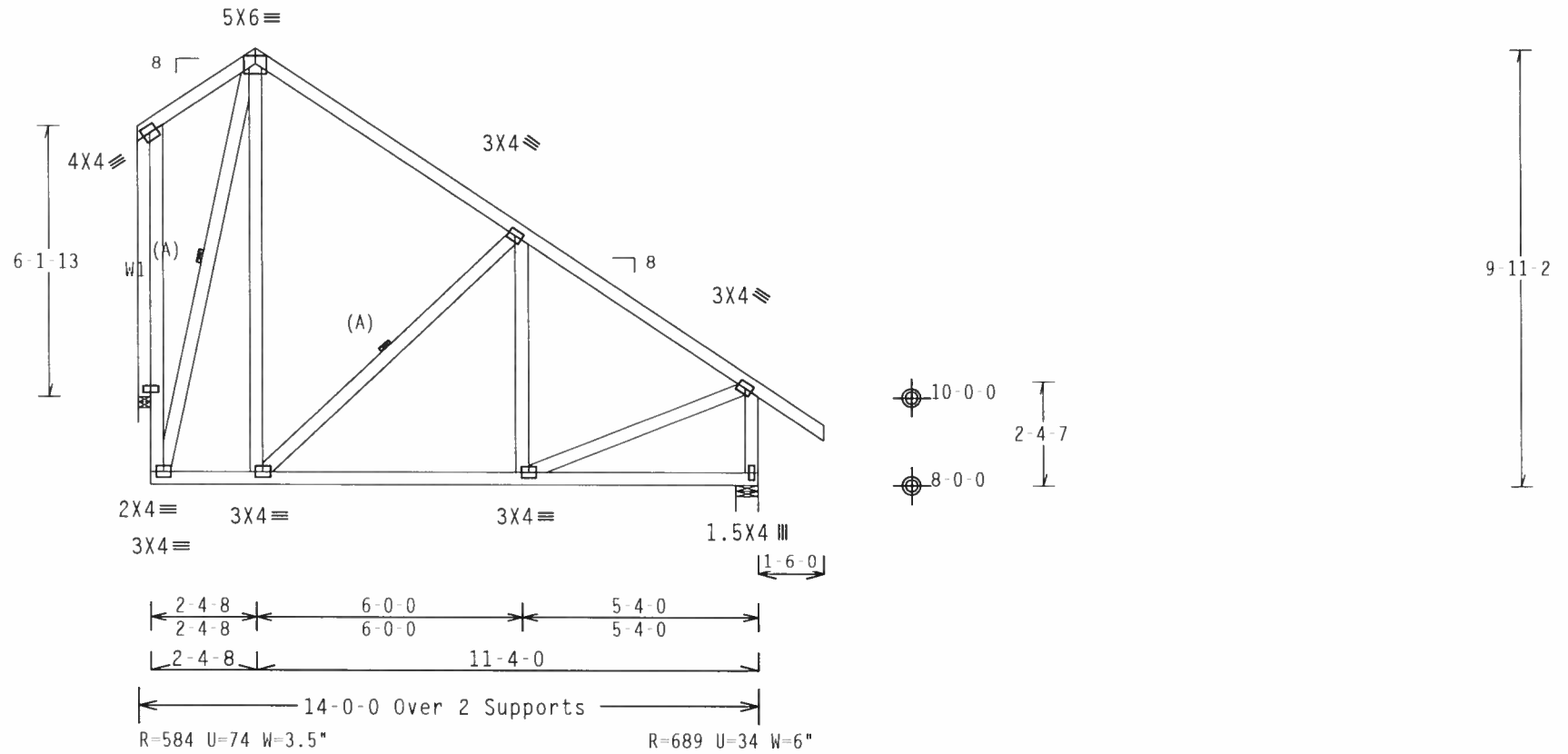
End verticals not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0279

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF	R8228- 58646
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320058
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61138
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** F GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B2 2x4 SP #2 Dense:
Webs 2x4 SP #3

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

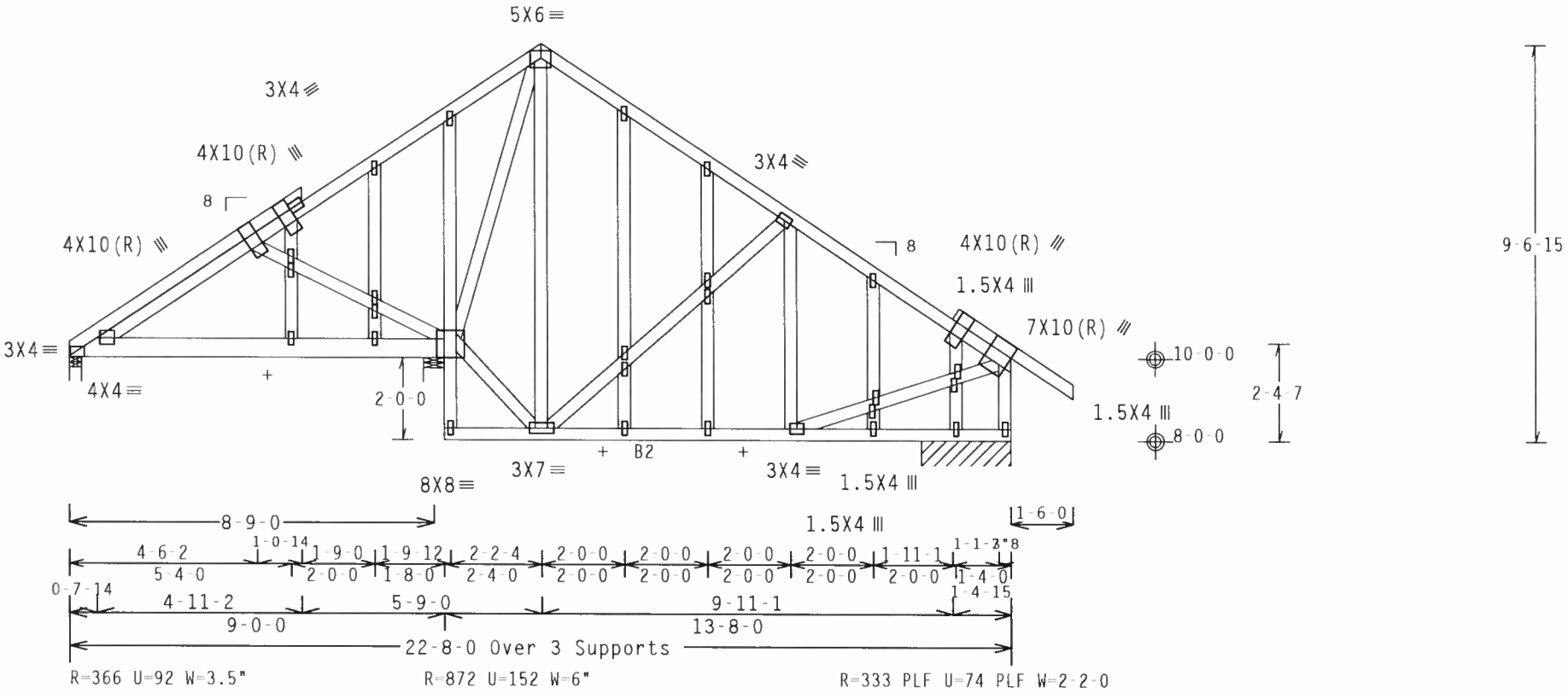
+ MEMBER TO BE LATERALLY BRACED FOR WIND LOADS PERPENDICULAR TO TRUSS. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, PART._ENC. bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.55

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF, FLOOR AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. DIAPHRAGMS AND SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.



Note: All Plates Are 1.5X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #

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DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF R8228- 58647
TC DL	10.0 PSF	DATE 11/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07320053
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 61130
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JRFF- 1TCI8228Z04

(7-329--Sparks Construction Cochenour -- Lot 6 Pinemount Meadows Subdvn , ** - F2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	60 PLF	at	0.00	to	60 PLF	at 7.17
TC	From	60 PLF	at	7.17	to	60 PLF	at 17.17
TC	From	64 PLF	at	17.17	to	64 PLF	at 19.67
BC	From	20 PLF	at	0.00	to	20 PLF	at 2.33
BC	From	20 PLF	at	2.33	to	20 PLF	at 10.00
BC	From	20 PLF	at	10.00	to	20 PLF	at 13.67
BC	From	21 PLF	at	13.67	to	21 PLF	at 16.00
BC	From	21 PLF	at	16.00	to	21 PLF	at 18.33
BC	From	20 PLF	at	18.33	to	20 PLF	at 19.67

TC - 246 LB Conc. Load at 1.83, 5.33, 8.83

Wind reactions based on MWFRS pressures.

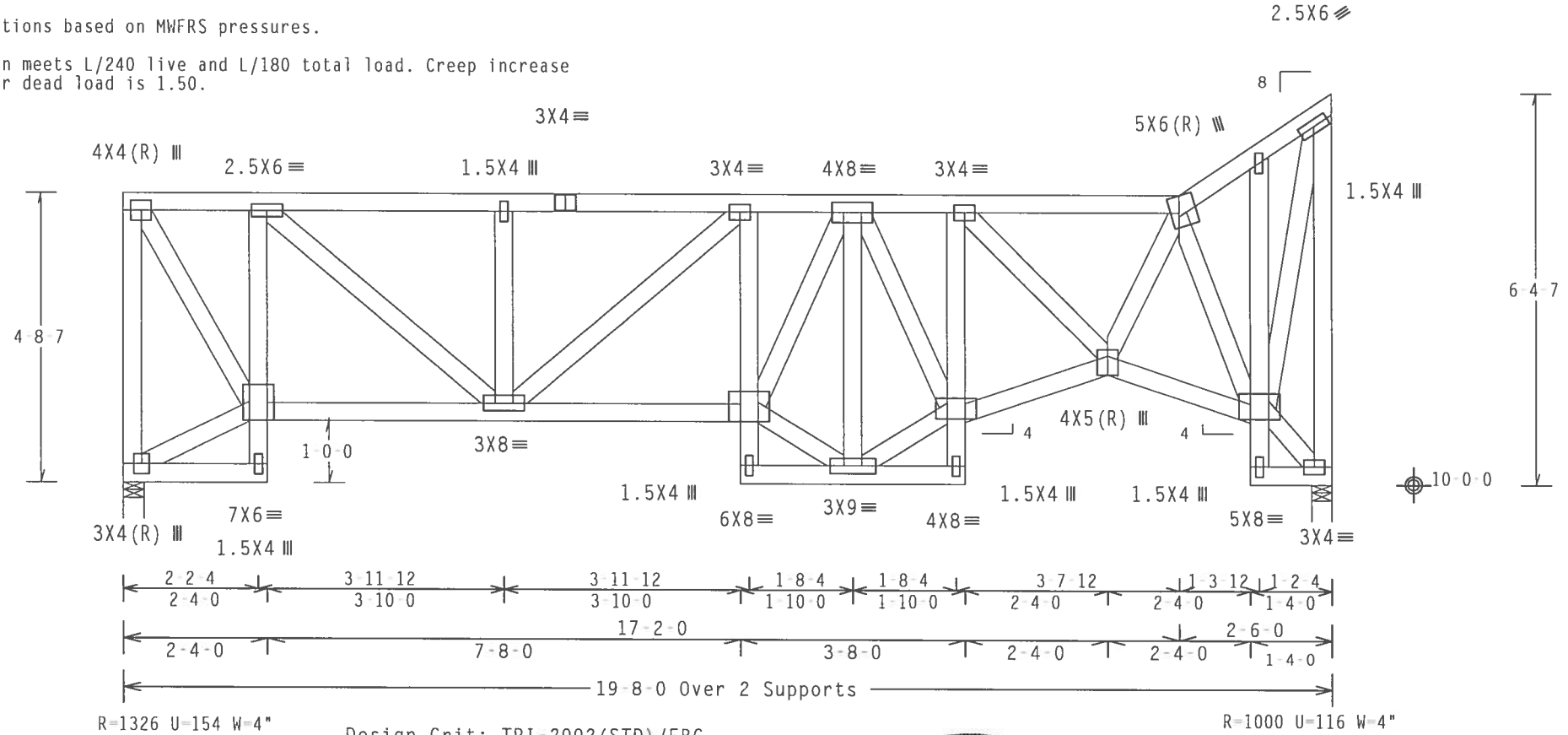
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.54 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

End verticals not exposed to wind pressure.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS").TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS. PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.375"/Ft.

PLT TYP. Wave

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF	R8228- 58648
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320054
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61540
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JRFF-	1TCI8228Z04

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W4 2x6 SP #2:

End verticals not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.10" DL: 0.16" recommended camber 1/4"

(A) 2x4 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

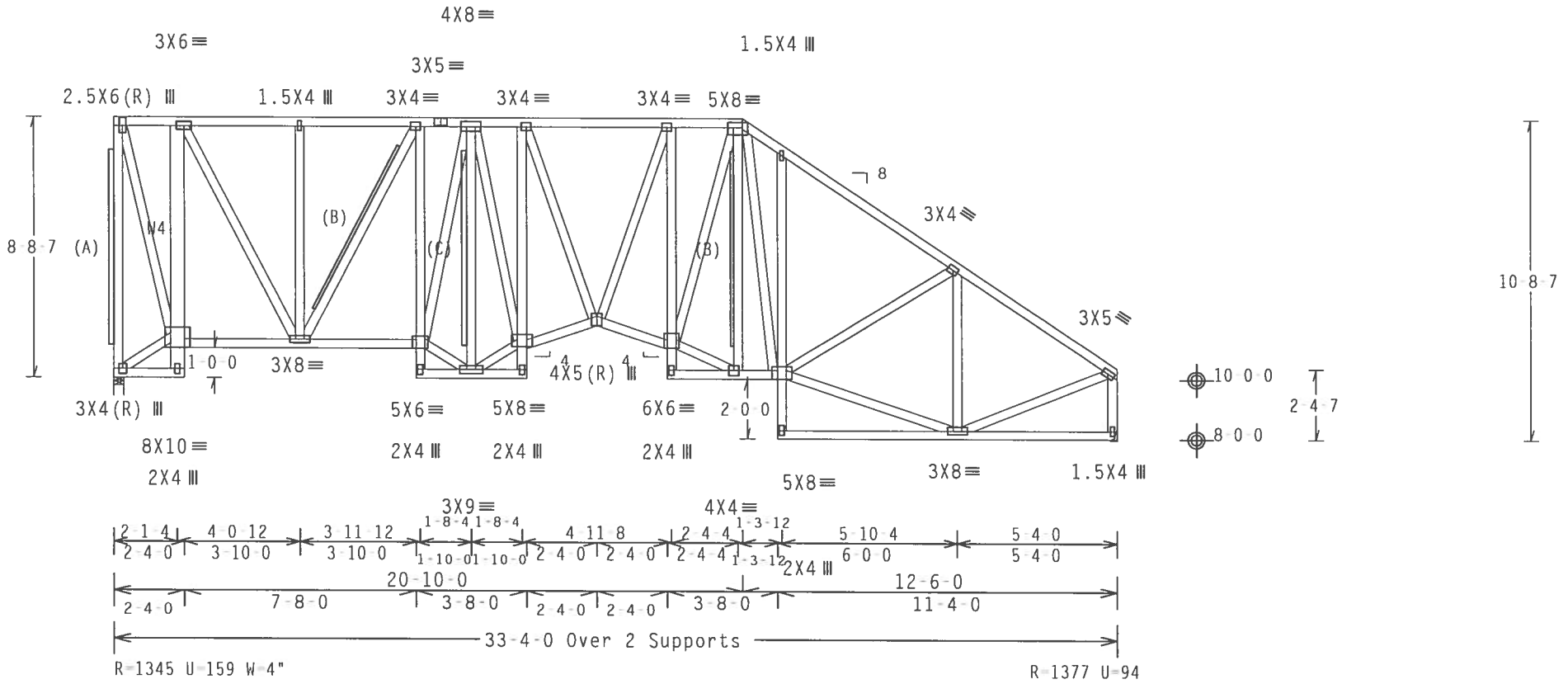
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

(B) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

(C) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/0(0) 7.36.0424 QTY:1 FL/-/4/-/E/-/- Scale =.1875"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 [illegible]

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
[illegible]16 '07

TC LL	20.0 PSF	REF	R8228- 58649
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320028
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61552
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7-329-- Sparks Construction Cochenour -- Lot 6 Pinemount Meadows Subdvn , ** - F5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

End verticals not exposed to wind pressure.

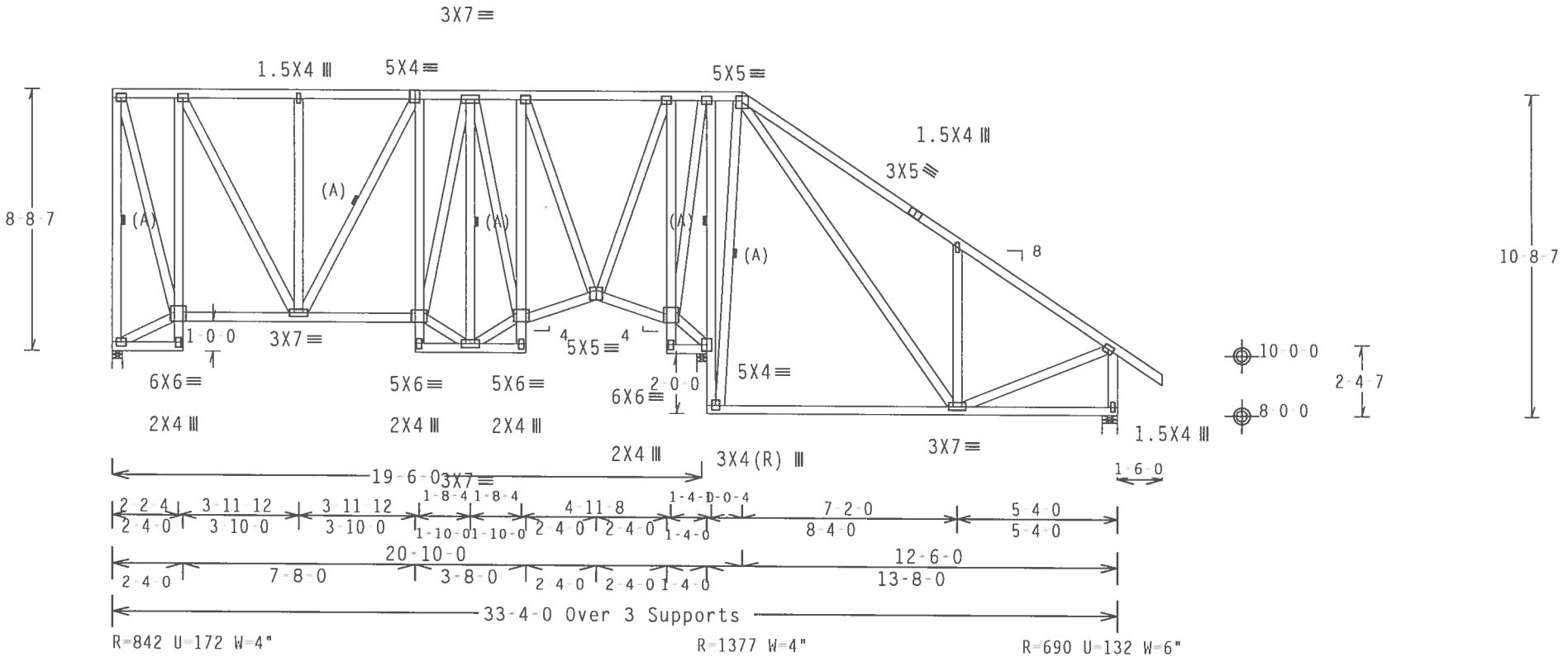
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.04 QTY:1 FL/-/4/-/E/-/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 279

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOV 16 '07

TC LL	20.0 PSF	REF	R8228- 58650
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320057
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61510
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

(7-329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** F4)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	60 PLF	at 0.00	to	60 PLF	at 19.67
BC	From	20 PLF	at 0.00	to	20 PLF	at 2.33
BC	From	20 PLF	at 2.33	to	20 PLF	at 10.00
BC	From	20 PLF	at 10.00	to	20 PLF	at 13.67
BC	From	21 PLF	at 13.67	to	21 PLF	at 16.00
BC	From	21 PLF	at 16.00	to	21 PLF	at 18.33
BC	From	20 PLF	at 18.33	to	20 PLF	at 19.67

TC 246 LB Conc. Load at 1.83, 5.33, 8.83

Wind reactions based on MWFRS pressures.

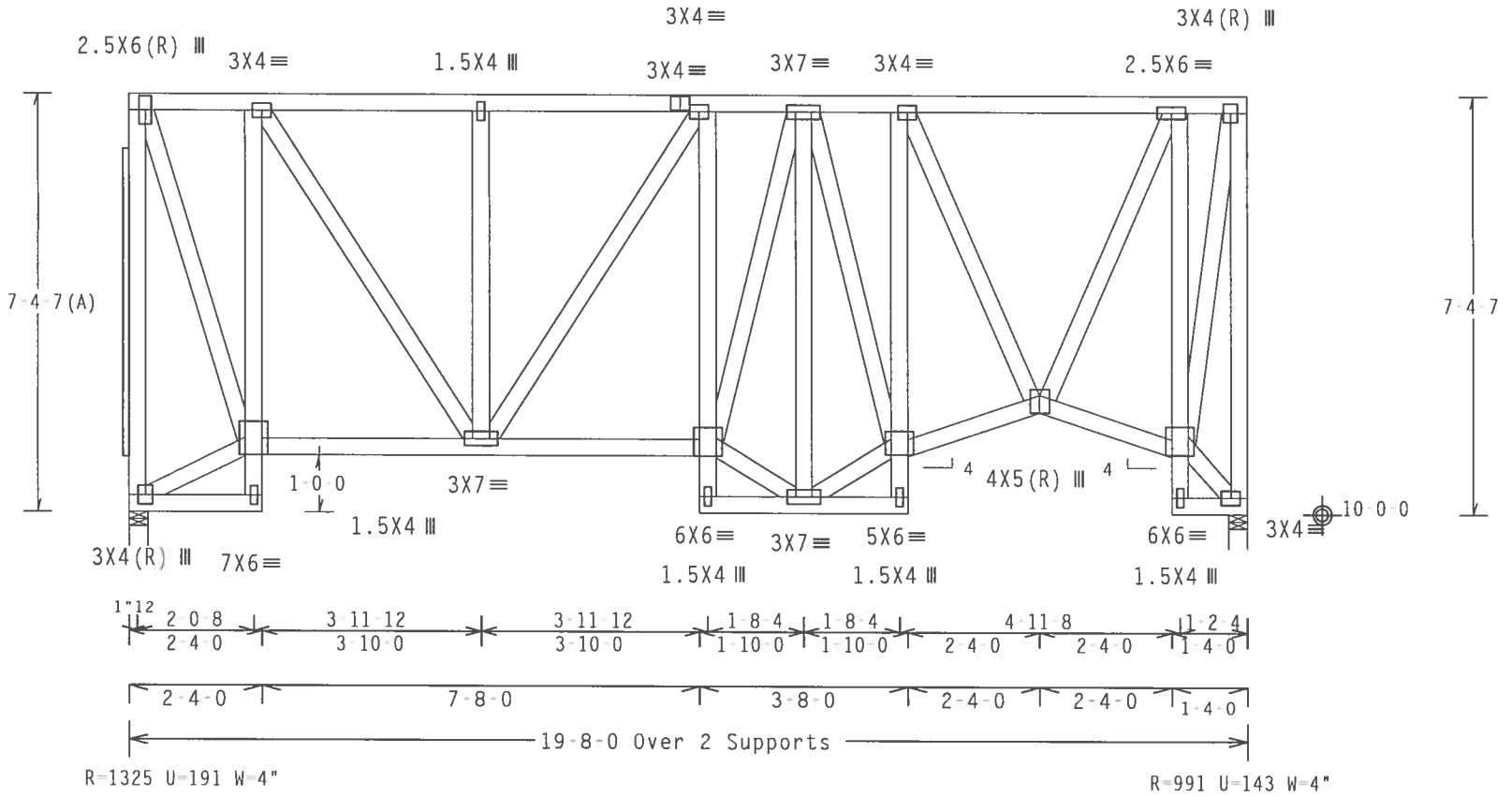
110 mph wind, 17.37 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

End verticals not exposed to wind pressure.

(A) 1x4 #3 or better "T" brace, 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/0(0) 7.36.0 QTY:1 FL/-/4/-/E/-/- Scale =.3125"/Ft.

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ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 16 '07

TC LL	20.0 PSF	REF	R8228- 58651
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320064
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61546
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JRFF-	1TCI8228Z04

(7-329--Sparks Construction Cochenour -- Lot 6 Pinemount Meadows Subdvn , ** - F3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 60 PLF at 0.00 to 60 PLF at 19.67
BC - From 20 PLF at 0.00 to 20 PLF at 2.33
BC - From 20 PLF at 2.33 to 20 PLF at 10.00
BC - From 20 PLF at 10.00 to 20 PLF at 13.67
BC - From 21 PLF at 13.67 to 21 PLF at 16.00
BC - From 21 PLF at 16.00 to 21 PLF at 18.33
BC - From 20 PLF at 18.33 to 20 PLF at 19.67
TC - 246 LB Conc. Load at 1.83, 5.33, 8.83

THE BUILDING DESIGNER SHALL EVALUATE AND APPROVE LOAD MAGNITUDES AND LOCATIONS AS SHOWN ("SPECIAL LOADS").TRUSS ENGINEER & FABRICATOR ARE NOT RESPONSIBLE FOR LOAD MAGNITUDES AND LOCATIONS. PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS ARE TO BE PROVIDED BY THE BUILDING DESIGNER.

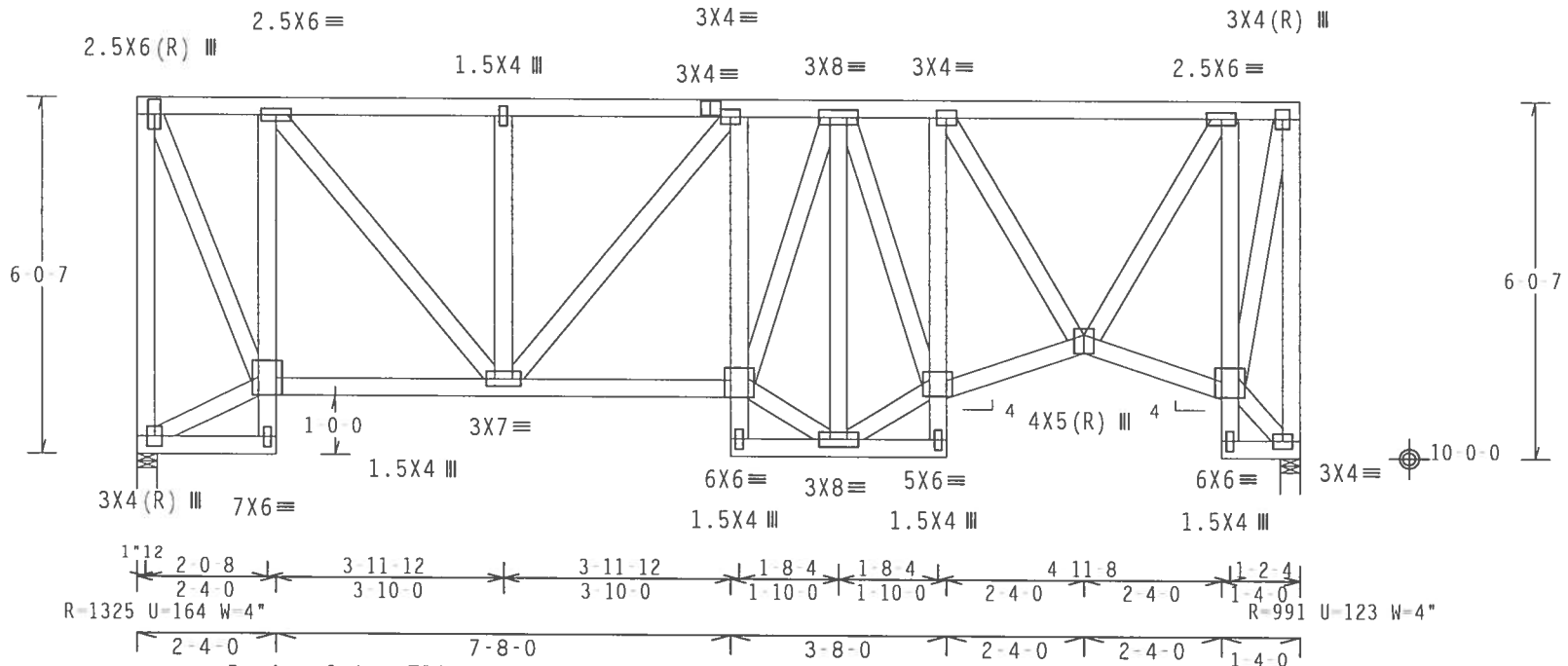
110 mph wind, 16.04 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

End verticals not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



PLT TYP. Wave

QTY:1 FL/-/4/-/E/+/-

Scale =.3125"/Ft.

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ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

DOUGLAS FLEMING LICENSE No.66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

16 '07

TC LL	20.0 PSF	REF	R8228- 58652
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320065
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61530
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JREF-	1TCI8228Z04

(7 329 Sparks Construction Cochenour Lot 6 Pinemount Meadows Subdvn , ** H5G)

THIS DRG PREPARED FROM COMPUTER INPUT (LOADS & DIMENSIONS) SUBMITTED BY TRUSS MFR.

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W4, W10 2x4 SP #2 Dense:

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

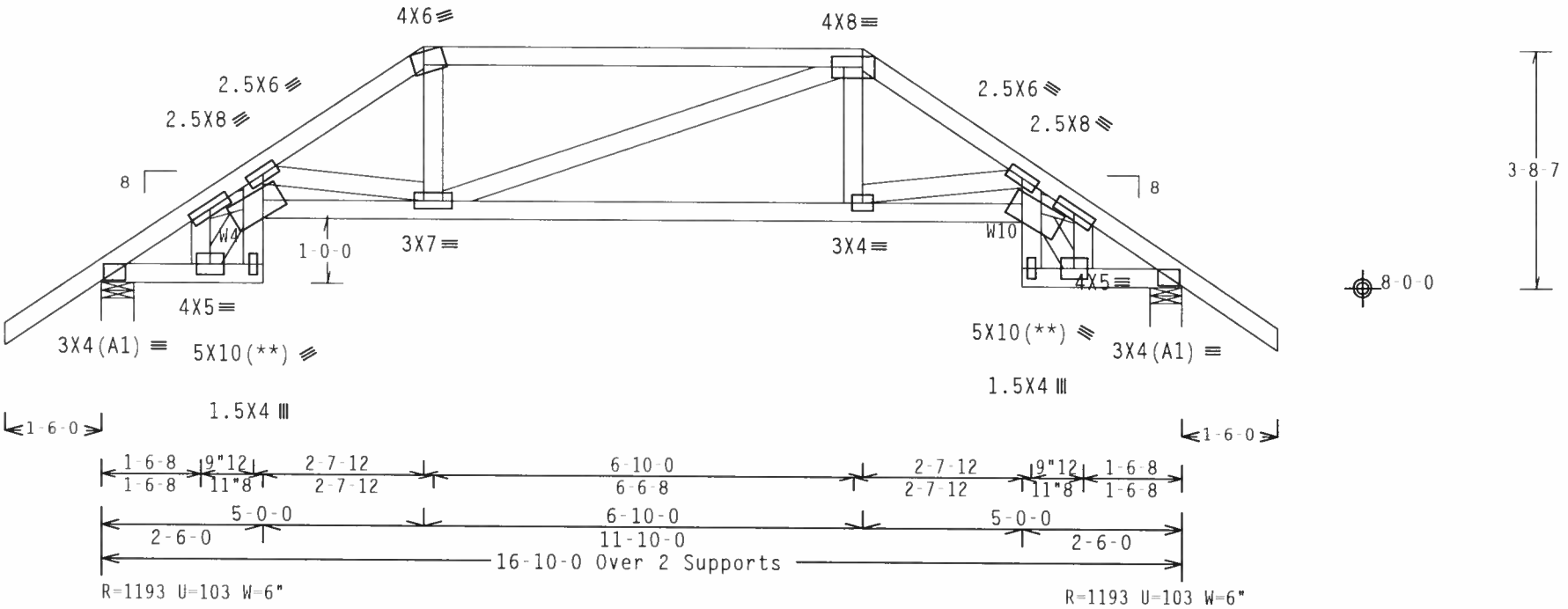
#1 hip supports 5-0-0 jacks with no webs.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.36.042

PLT TYP. Wave

QTY:1 FL/-/4/-/E/-/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 279

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF R8228- 58653
TC DL	10.0 PSF	DATE 11/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07320007
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 61275
DUR.FAC.	1.25	
SPACING	SEE ABOVE	JREF- 1TCI8228Z04

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B2 2x8 SP SS:
Webs 2x4 SP #3 :W3, W11 2x4 SP #2 Dense:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -1.50 to 64 PLF at 5.75
TC - From 64 PLF at 5.75 to 64 PLF at 11.08
TC - From 64 PLF at 11.08 to 64 PLF at 18.33
BC - From 5 PLF at -1.50 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 2.50
BC - From 20 PLF at 2.50 to 20 PLF at 14.33
BC - From 20 PLF at 14.33 to 20 PLF at 16.83
BC - From 5 PLF at 16.83 to 5 PLF at 18.33
PLB- 3918 LB Conc. Load at (7.13,9.04)
PLB- 1401 LB Conc. Load at (9.06,9.04), (11.06,9.04), (13.06,9.04) (15.06,8.04)

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Laterally brace BC above filler @ 24" O.C. Including a lateral brace at chord ends.

4 COMPLETE TRUSSES REQUIRED

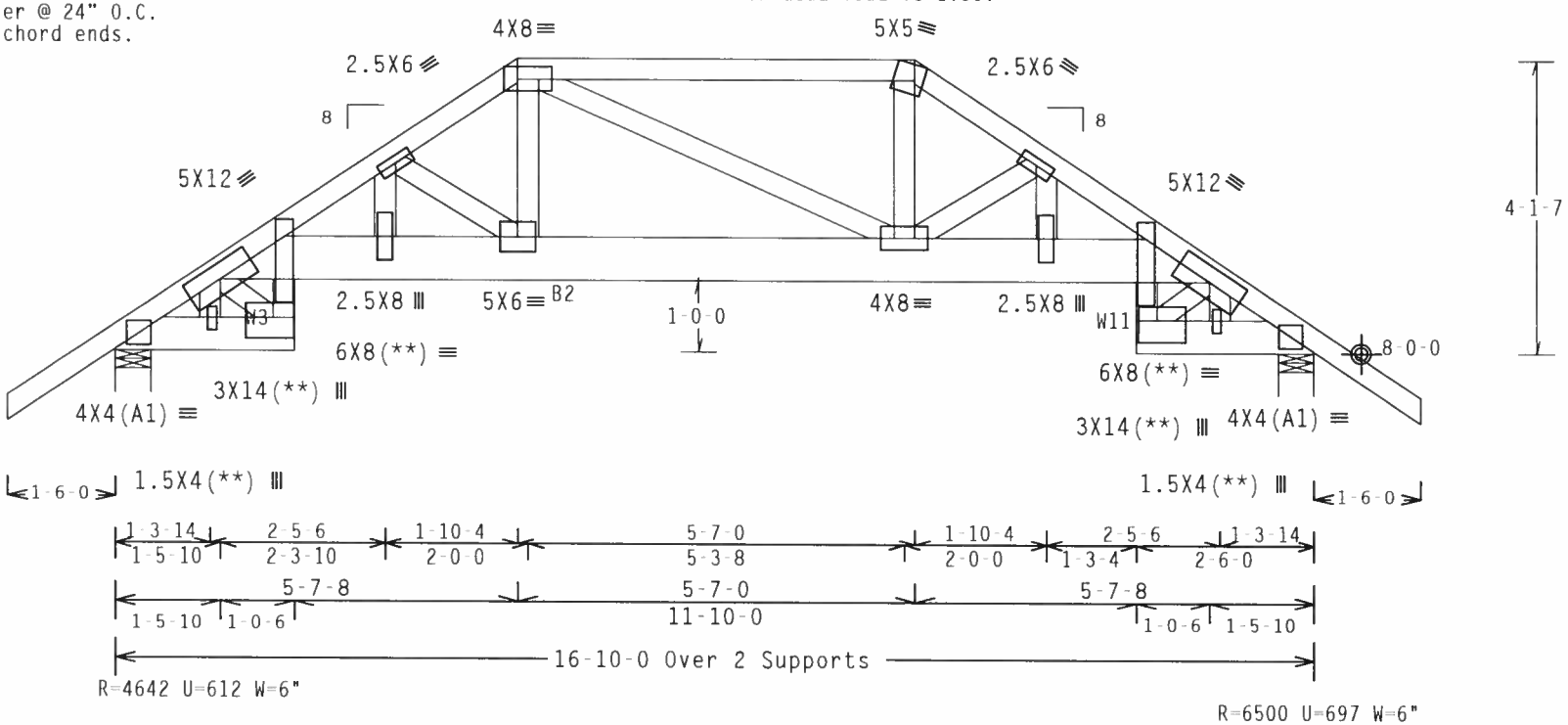
Nailing Schedule: (12d_Common_(0.148"x3.25"_min.)_nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @ 3.25" o.c.
Webs : 1 Row @ 4" o.c.
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting. In addition apply (1) 1/2" bolt at each bottom chord joint location.

(**) 6 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave
Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF	R8228- 58654
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320087
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61602
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JRFF-	1TCI8228Z04

(7-329--Sparks Construction Cochenour -- Lot 6 Pinemount Meadows Subdvn , ** - I1-GDR)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

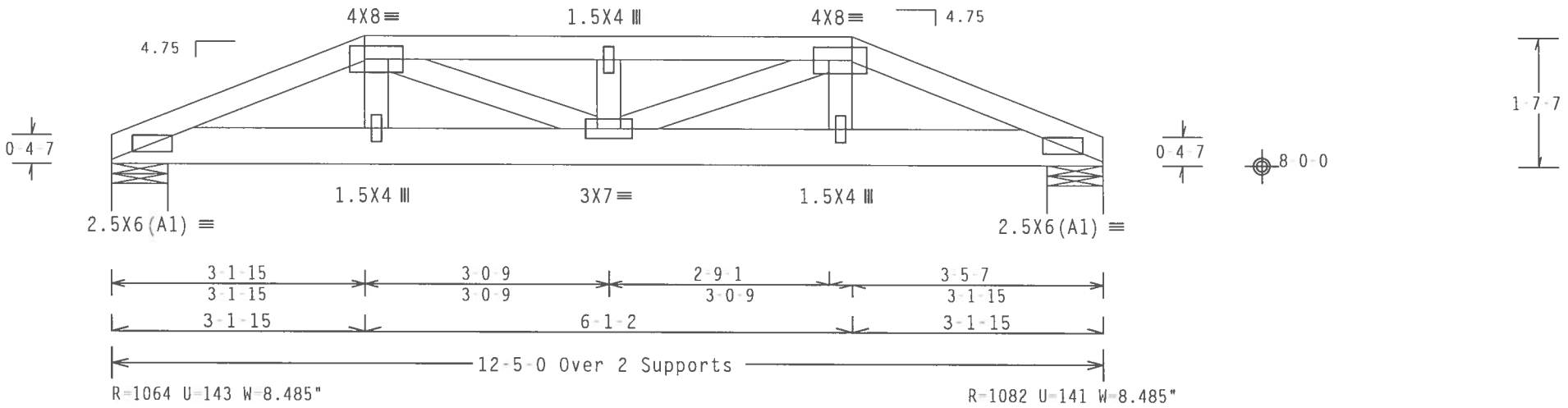
Wind reactions based on MWFRS pressures.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	62 PLF	at	0.00	to	62 PLF	at	3.16
TC	From	62 PLF	at	3.16	to	62 PLF	at	9.26
TC	From	62 PLF	at	9.26	to	62 PLF	at	12.42
BC	From	20 PLF	at	0.00	to	20 PLF	at	12.42
TC		73 LB	Conc. Load at	1.54,	10.88			
TC		21 LB	Conc. Load at	2.22,	10.20			
TC		2 LB	Conc. Load at	3.16,	9.26			
TC		14 LB	Conc. Load at	4.97,	6.21,	7.45		
BC		132 LB	Conc. Load at	0.96,	11.62			
BC		21 LB	Conc. Load at	1.54,	10.88			
BC		9 LB	Conc. Load at	2.22,	10.20			
BC		215 LB	Conc. Load at	2.94,	7.65,	9.65		
BC		5 LB	Conc. Load at	3.16,	9.26			
BC		220 LB	Conc. Load at	4.94,	6.29			
BC		5 LB	Conc. Load at	7.45				



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.04 QTY:1 FL/-/4/-/E/-/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
NOV 16 '07

TC LL	20.0 PSF	REF	R8228- 58655
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320001
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	61077
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

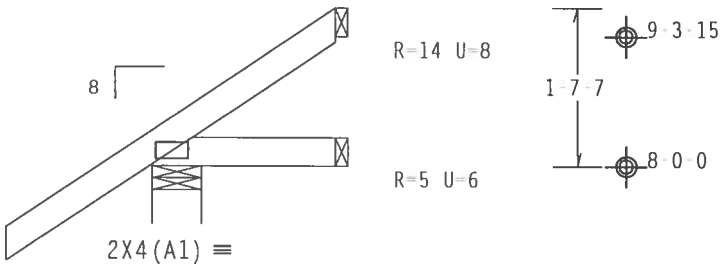
(7-329--Sparks Construction Cochenour -- Lot 6 Pinemount Meadows Subdvn , ** - EJ1)

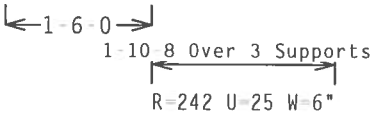
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.042 QTY:1 FL/-/4/-/E/-/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 0 278

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANTFURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES.
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W.H/SS/K) ASTM A653 GRADE 40/60 (W. K/H.SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER
16 '07

TC LL	20.0 PSF	REF	R8228- 58656
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320039
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	60829
DUR.FAC.	1.25	FROM	AH
SPACING	24.0"	JREF-	1TCI8228Z04

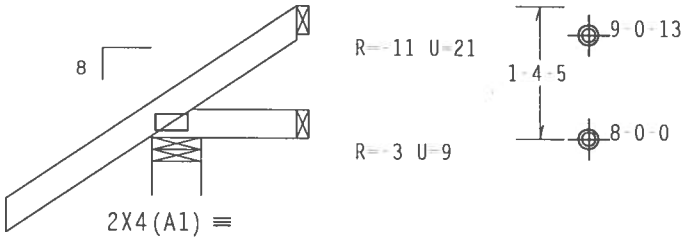
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

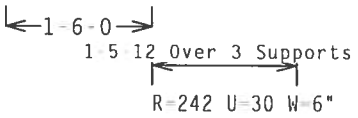
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Bearing reactions of -2# at (1-5-12, 8-0-0), -10# at (1-5-12, 9-0-13), require special connection to resist uplift from loads other than wind.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.04[illegible] QTY:1 FL/-/4/-/E/-/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # [illegible]

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DOUGLAS FLEMING LICENSE No. 66648 STATE OF FLORIDA PROFESSIONAL ENGINEER

[illegible] 16 '07

TC LL	20.0 PSF	REF R8228- 58657
TC DL	10.0 PSF	DATE 11/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07320031
BC LL	0.0 PSF	HC-ENG DF/DF
TOT.LD.	40.0 PSF	SEQN- 60834
DUR.FAC.	1.25	FROM AH
SPACING	24.0"	JRFF- 1TCI8228Z04

(7-329--Sparks Construction Cochenour -- Lot 6 Pinemount Meadows Subdvn , ** - HJ1)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

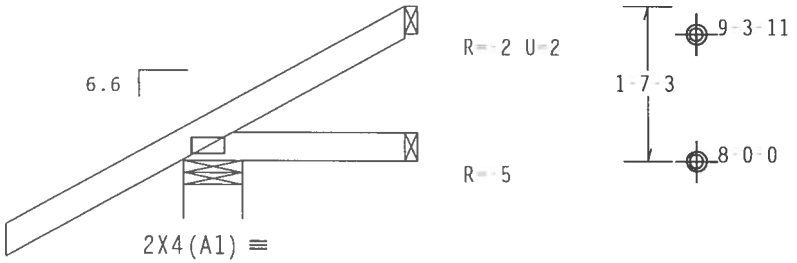
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

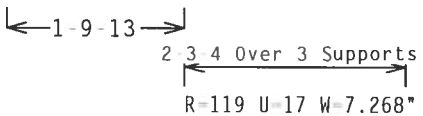
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Bearing reactions of -5# at (2-3-4, 8-0-0), -2# at (2-3-4, 9-3-11), require special connection to resist uplift from loads other than wind.

Wind reactions based on MWFRS pressures.

Hipjack supports 1-7-4 setback jacks with no webs.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/0(0) 7.36.042[illegible] QTY:1 FL/-/4/-/E/-/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL C[illegible]te of A[illegible]ation # 0.27[illegible]

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[illegible] 16 '07

TC LL	20.0 PSF	REF	R8228- 58658
TC DL	10.0 PSF	DATE	11/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07320020
BC LL	0.0 PSF	HC-ENG	DF/DF
TOT.LD.	40.0 PSF	SEQN-	60847
DUR.FAC.	1.25	FROM	AH
SPACING	SEE ABOVE	JREF-	1TCI8228Z04