ITW Building Components Group, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Florida Certificate of Product Approval # FL1999
 Document ID:1T938228Z0116132604

Truss Fabricator:	Anderson Truss Company
Job Identification:	7-140B--Isaac Construction Jeremy Cady -- , **
Truss Count:	127
Model Code:	Florida Building Code 2004 and 2006 Supplement
Truss Criteria:	ANSI/TPI-2002(STD)/FBC
Engineering Software:	Alpine Software,Versions 7.36, 7.25.
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 - 90 MPH ASCE 7-02 -Closed

Seal Date: 07/16/2007

-Truss Design Engineer-
James F. Collins Jr.
Florida License Number: 52212
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: PIGBACKA-PIGBACKB-A11015EE-GBLLETIN-BRCLBSUB-A11030EE-A11015EC-TCFILLER-BCFILLER-REPBCFIL-

#	Ref Description	Drawing#	Date
1	81159--AP9	07197007	07/16/07
2	81160--A6	07197001	07/16/07
3	81161--A7	07197002	07/16/07
4	81162--A8	07197003	07/16/07
5	81163--A14-GE	07197018	07/16/07
6	81164--A10	07197022	07/16/07
7	81165--A15	07197023	07/16/07
8	81166--A5	07197004	07/16/07
9	81167--A2	07197031	07/16/07
10	81168--A6G	07197008	07/16/07
11	81169--A1-GE	07197046	07/16/07
12	81170--A12	07197006	07/16/07
13	81171--A2	07197058	07/16/07
14	81172--A3	07197009	07/16/07
15	81173--A4	07197094	07/16/07
16	81174--A11	07197007	07/16/07
17	81175--A13	07197005	07/16/07
18	81176--B5G	07197002	07/16/07
19	81177--B7	07197005	07/16/07
20	81178--BP5	07197006	07/16/07
21	81179--B6	07197008	07/16/07
22	81180--MGB	07197009	07/16/07
23	81181--B8	07197019	07/16/07
24	81182--B3	07197020	07/16/07
25	81183--B2	07197029	07/16/07
26	81184--B4	07197030	07/16/07
27	81185--B13	07197010	07/16/07
28	81186--B10	07197053	07/16/07
29	81187--B12	07197076	07/16/07
30	81188--B9G	07197087	07/16/07
31	81189--B14	07197011	07/16/07
32	81190--B11	07197089	07/16/07
33	81191--B1	07197109	07/16/07
34	81192--C1	07197063	07/16/07
35	81193--C4	07197093	07/16/07
36	81194--C2	07197097	07/16/07
37	81195--C3	07197098	07/16/07
38	81196--D1	07197074	07/16/07
39	81197--D2	07197079	07/16/07
40	81198--D5	07197082	07/16/07
41	81199--D6	07197086	07/16/07
42	81200--D4	07197090	07/16/07
43	81201--D3	07197092	07/16/07
44	81202--HJR2	07197001	07/16/07
45	81203--JB2	07197011	07/16/07
46	81204--JB1	07197012	07/16/07
47	81205--EJB	07197013	07/16/07
48	81206--JB5	07197014	07/16/07
49	81207--JB4	07197015	07/16/07
50	81208--JB3	07197017	07/16/07
51	81209--JB6	07197021	07/16/07
52	81210--JS7	07197027	07/16/07
53	81211--JR4	07197033	07/16/07
54	81212--JR1	07197034	07/16/07
55	81213--JR2	07197035	07/16/07
56	81214--HJS	07197036	07/16/07
57	81215--JS5	07197042	07/16/07
58	81216--JS4	07197043	07/16/07
59	81217--JS1	07197048	07/16/07
60	81218--JR5	07197049	07/16/07
61	81219--JS2	07197050	07/16/07
62	81220--EJK	07197051	07/16/07
63	81221--JS3	07197055	07/16/07
64	81222--HJR1	07197056	07/16/07
65	81223--JK3	07197057	07/16/07
66	81224--JR3	07197062	07/16/07
67	81225--JK1	07197066	07/16/07
68	81226--HJK1	07197068	07/16/07
69	81227--JC3	07197069	07/16/07
70	81228--JK2	07197070	07/16/07
71	81229--HJC	07197071	07/16/07
72	81230--JC1	07197072	07/16/07

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	Floor - N/A
	Wind - 90 MPH ASCE 7-02 -Closed

Seal Date: 07/16/2007

-Truss Design Engineer-
James F. Collins Jr.
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Notes:

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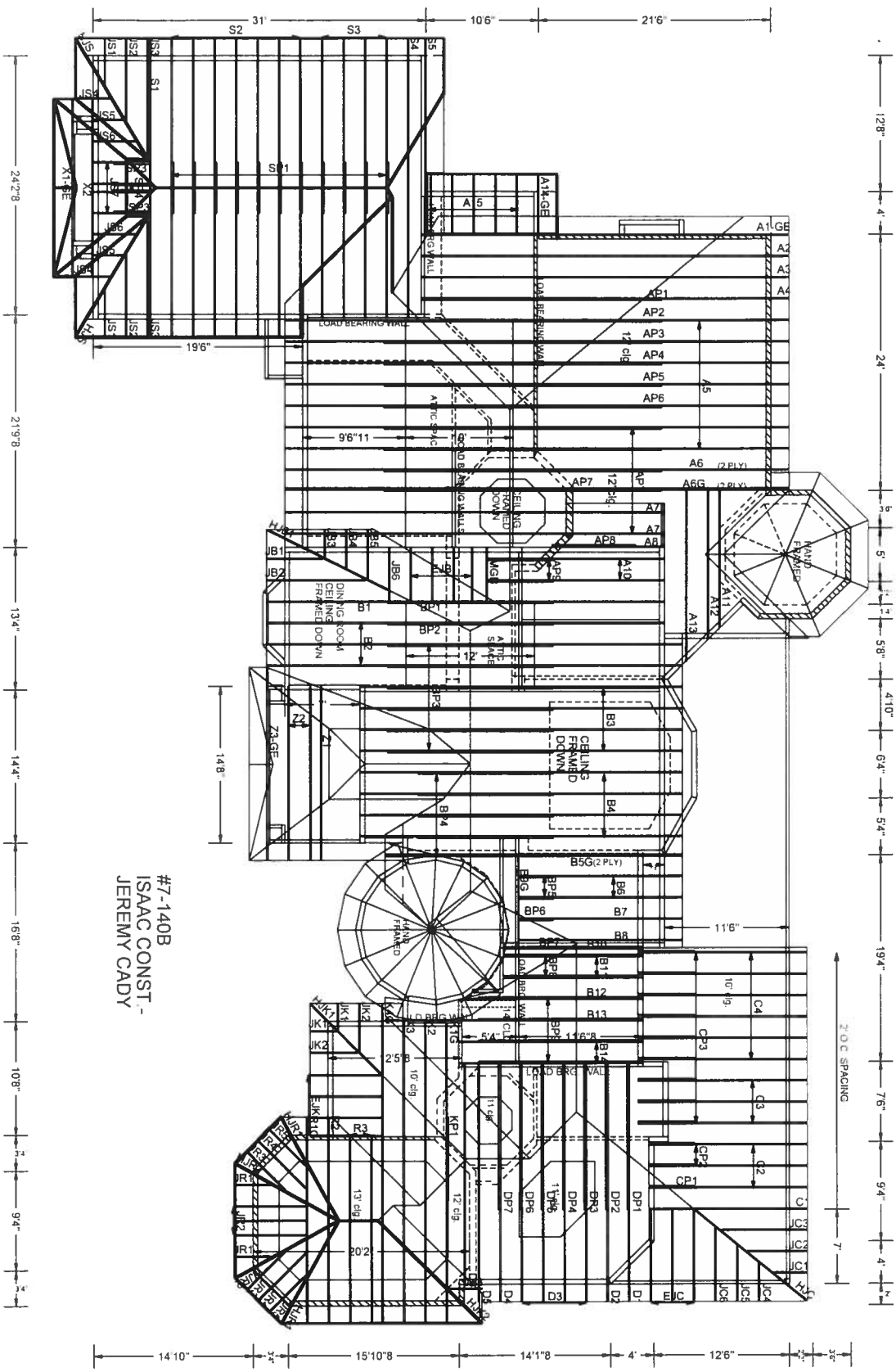
3. As shown on attached drawings; the drawing number is preceded by: HCUSR8228

Details: PIGBACKA-PIGBACKB-A11015EE-GBLLETIN-BRCLBSUB-A11030EE-A11015EC-TCFILLER-BCFILLER-REPBCFIL-

#	Ref Description	Drawing#	Date
73	81231--HJK2	07197078	07/16/07
74	81232--EJC	07197080	07/16/07
75	81233--JC4	07197081	07/16/07
76	81234--JC2	07197083	07/16/07
77	81235--JC6	07197084	07/16/07
78	81236--JC5	07197085	07/16/07
79	81237--JS6	07197101	07/16/07
80	81238--HJB1	07197108	07/16/07
81	81239--K2	07197052	07/16/07
82	81240--K4G	07197060	07/16/07
83	81241--K1G	07197061	07/16/07
84	81242--K3	07197067	07/16/07
85	81243--BP4	07197003	07/16/07
86	81244--BP6	07197004	07/16/07
87	81245--AP8	07197012	07/16/07
88	81246--SP4	07197024	07/16/07
89	81247--AP3	07197025	07/16/07
90	81248--AP2	07197026	07/16/07
91	81249--BP3	07197028	07/16/07
92	81250--AP4	07197037	07/16/07
93	81251--AP7	07197038	07/16/07
94	81252--AP6	07197039	07/16/07
95	81253--AP5	07197040	07/16/07
96	81254--SP1	07197044	07/16/07
97	81255--BP1	07197045	07/16/07
98	81256--SP3	07197047	07/16/07
99	81257--CP1	07197054	07/16/07
100	81258--BP9	07197073	07/16/07
101	81259--CP3	07197075	07/16/07
102	81260--BP8	07197077	07/16/07
103	81261--BP7	07197088	07/16/07
104	81262--DP1	07197095	07/16/07
105	81263--CP2	07197096	07/16/07
106	81264--DP2	07197099	07/16/07
107	81265--DP3	07197013	07/16/07
108	81266--DP4	07197100	07/16/07
109	81267--BP2	07197102	07/16/07
110	81268--DP5	07197103	07/16/07
111	81269--DP6	07197104	07/16/07
112	81270--DP7	07197105	07/16/07
113	81271--KP1	07197106	07/16/07
114	81272--AP1	07197107	07/16/07
115	81273--R2	07197010	07/16/07
116	81274--R1G	07197032	07/16/07
117	81275--R3	07197064	07/16/07
118	81276--S5	07197016	07/16/07
119	81277--S4	07197041	07/16/07
120	81278--S2	07197059	07/16/07
121	81279--S3	07197065	07/16/07
122	81280--S1	07197091	07/16/07
123	81281--X2	07197018	07/16/07
124	81282--X1-GE	07197014	07/16/07
125	81283--Z2	07197015	07/16/07
126	81284--Z1	07197016	07/16/07
127	81285--Z3-GE	07197017	07/16/07



JOB DESCRIPTION:: Isaac Construction
/: Jeremy Cady

JOB NO: 7-140B

PAGE NO: 1 OF 1

(7 140B Isaac Construction Jeremy Cady , ** AP9)

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

110 mph wind, 32.08 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=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

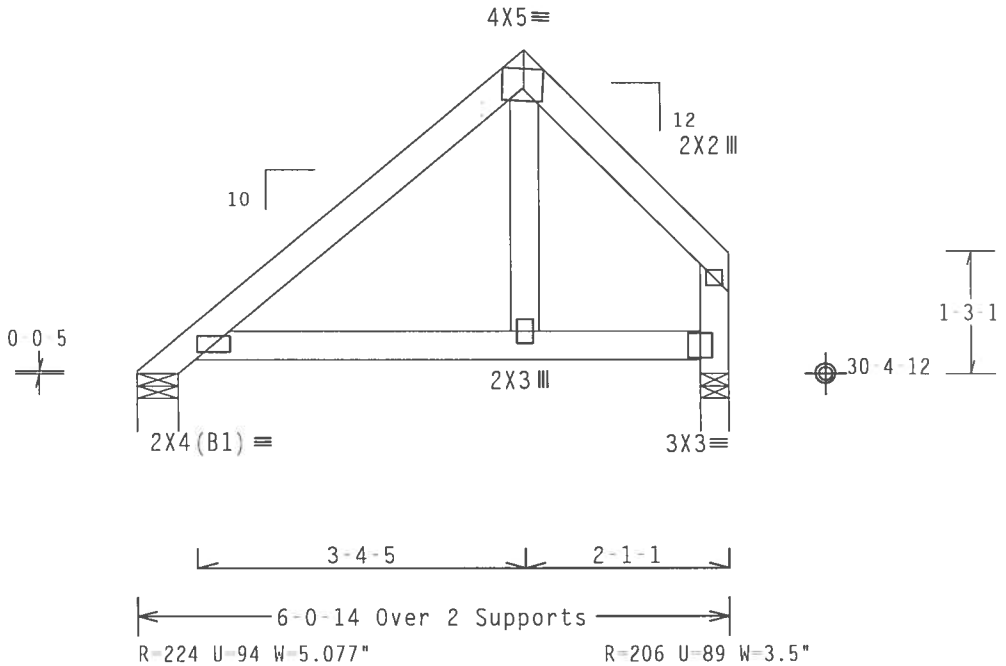
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

Refer to DWG PIGBACKB0207 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.62 to 66 PLF at 3.36
TC - From 68 PLF at 3.36 to 68 PLF at 5.45
BC - From 4 PLF at 0.62 to 4 PLF at 5.45

Wind reactions based on MWFRS pressures.

Bottom chord checked for 20.00 psf non concurrent live load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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 (H,H/SS/K) ASTM A653 GRADE 40/60 (H, 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.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81159
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197007
BC LL	0.0 PSF		HC-ENG TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	2578
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** A6)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2 :B3, B5 2x10 SP SS:
:B4 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W9, W12 2x6 SP #2:

110 mph wind, 17.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 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.

Calculated horizontal deflection is 0.17" due to live load and 0.31" due to dead load.

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

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.

2 COMPLETE TRUSSES REQUIRED

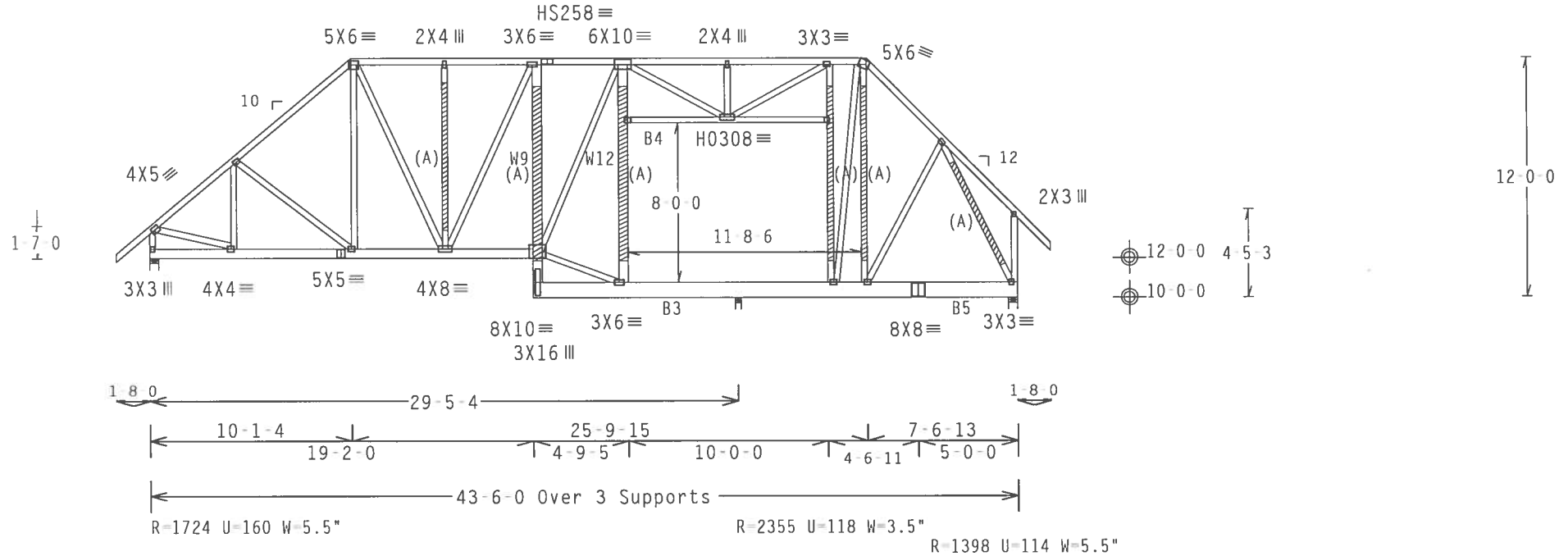
Nailing Schedule: (12d Box or Gun (0.128"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @12.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Right end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

(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.

Bottom chord checked for 20.00 psf non-concurrent live load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 23-11-5 to 33-11-5.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

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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.

JAMES F. COLLINS, JR. LICENSE No. 52242 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16,07

TC LL	20.0 PSF	REF	R8228- 81160
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197001
BC LL	0.0 PSF	HC-ENG	TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	2775
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** A7)

Top chord 2x4 SP #2 Dense
Bot chord 2x10 SP SS :B1 2x6 SP #1 Dense:
:B3 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W1 2x4 SP #2 Dense:
:W5, W8 2x6 SP #2:

Left end vertical 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.

Bottom chord checked for 20.00 psf non-concurrent live load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 23-11-5 to 33-11-5.

Leg-down designed for vertical loads only.

110 mph wind, 17.38 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

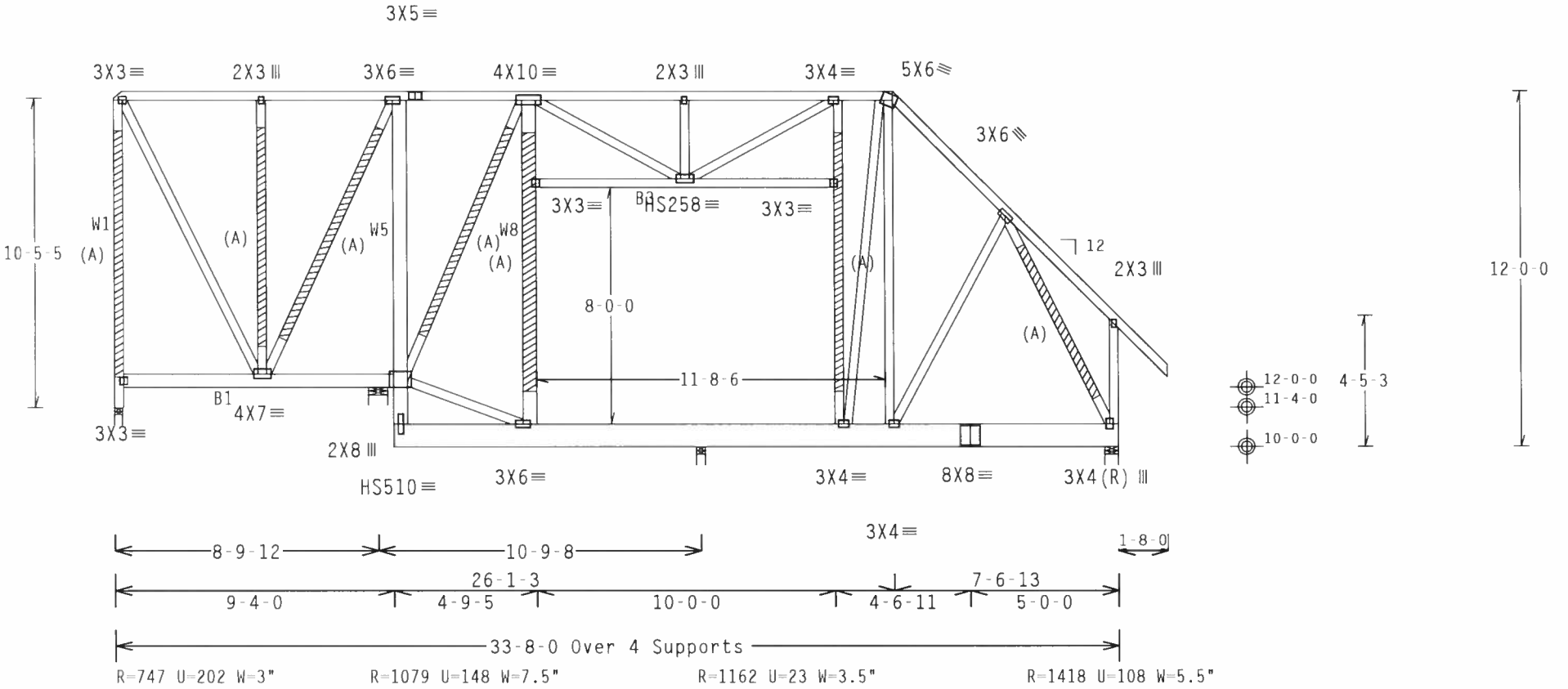
Wind reactions based on MWFRS pressures.

Right end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Deflection meets L/360 live and L/240 total load. Creep increase factor for dead load is 1.50.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:2 FL/-/4/-/-/R/- Scale =.1875"/Ft.

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Jul 16 '07

TC LL	20.0 PSF	REF	R8228- 81161
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197002
BC LL	0.0 PSF		HC-ENG TCE/WHK
TOT.LD.	40.0 PSF	SEQN	2840
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** A8)

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

Wind reactions based on MWFRS pressures.

(C) 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) #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.

Leg down designed for vertical loads only.

110 mph wind, 22.89 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

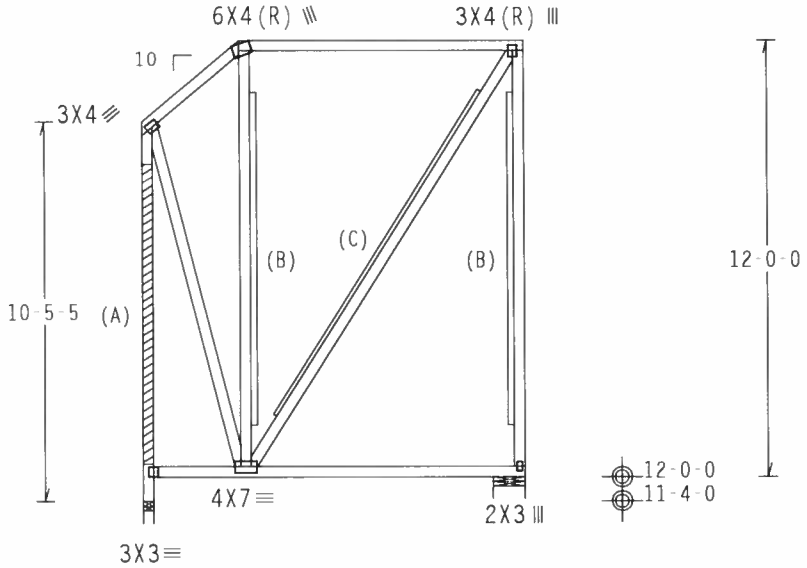
End verticals not exposed to wind pressure.

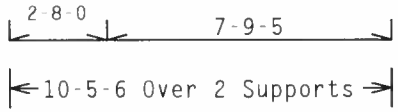
(B) 2x6 #3 or better "T" brace. 80% length of web member. Attach with 16d Box or Gun (0.135"x3.5",min.)nails @ 6" OC.

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

Bottom chord checked for 20.00 psf non-concurrent live load.

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





R=456 U=15 W=3.5" R=443 U=171 W=10.507"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81162
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197003
BC LL	0.0 PSF		HC-ENG TCE/WHK *
TOT.LD.	40.0 PSF	SEQN-	2820
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady -- , ** - A14-GE)

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

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.

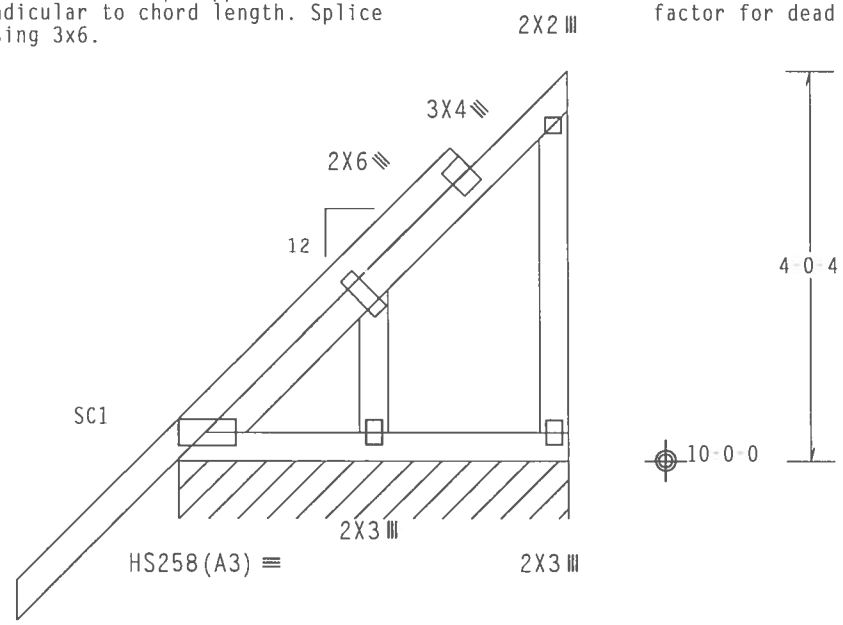
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

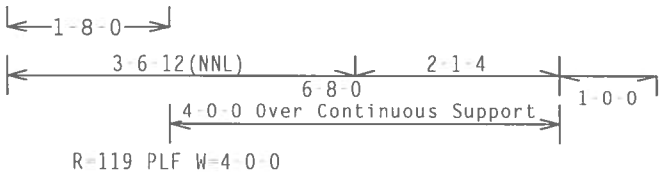
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 20.00 psf non concurrent live load.

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. 20 Gauge HS,Wave | Cq/RT=1.00(1.25)/10(0) | 7.36.0424.13 | QTY:1 | FL/-/4/-/-/R/- | Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ju[illegible]

TC LL	20.0 PSF	REF	R8228-81163
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197018
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2337
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady , ** A10)

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

Wind reactions based on MWFRS pressures.

(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.

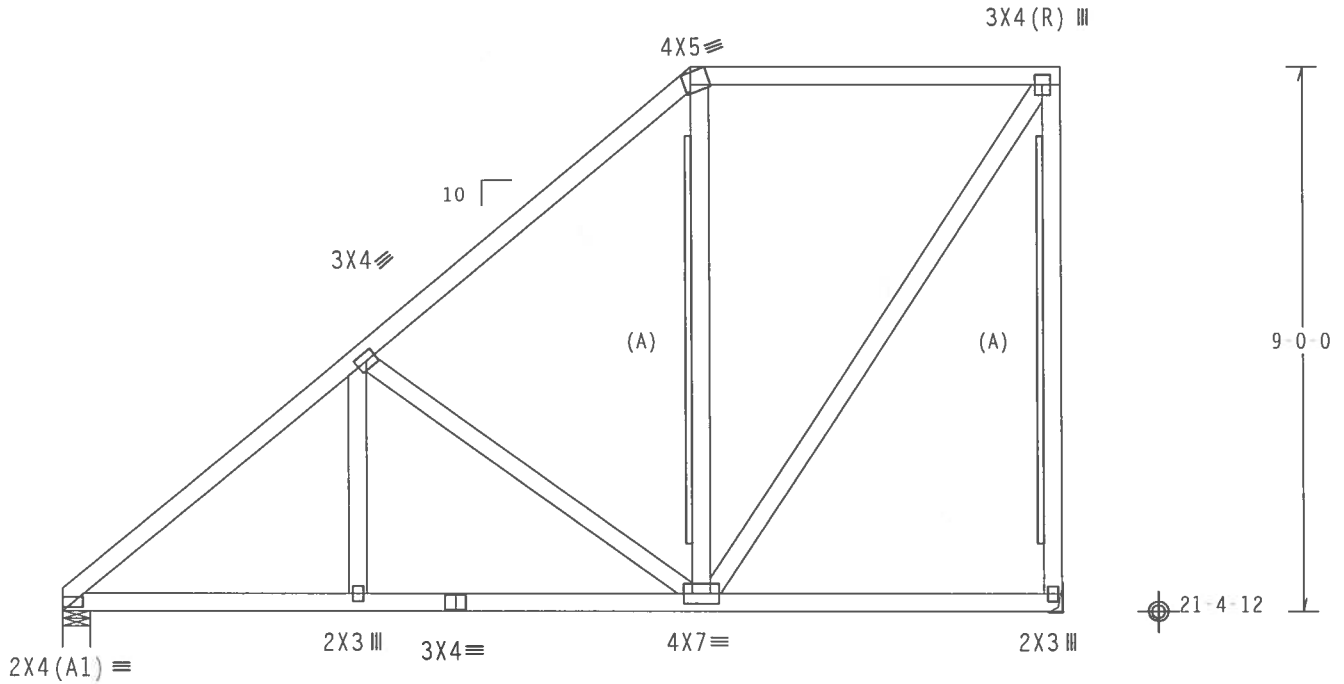
Bottom chord checked for 20.00 psf non-concurrent live load.

110 mph wind, 26.09 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

Right end vertical not exposed to wind pressure.

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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.13 QTY:2 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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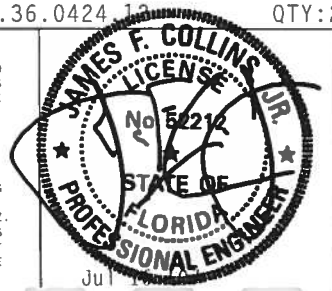


Ju 1

TC LL	20.0 PSF	REF	R8228-81164
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197022
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN	2571
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7-140B- Isaac Construction Jeremy Cady - - , ** - A15)

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

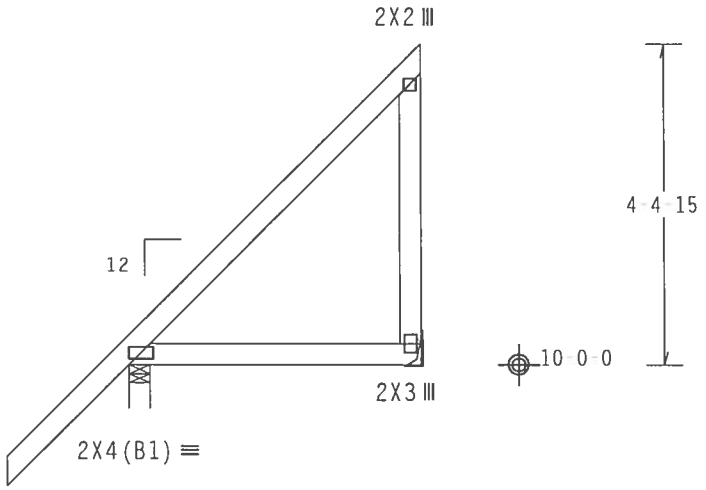
Wind reactions based on MWFRS pressures.

Bottom chord checked for 20.00 psf non-concurrent live load.

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

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.



1-8-0

4-0-0 Over 2 Supports

R=338 W=3.5" R=156 U=46

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:6 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16 '07

TC LL	20.0 PSF	REF	R8228-81165
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197023
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	2353
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady -- , ** - A5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B3, B5 2x10 SP SS:
Webs 2x4 SP #3 :W9 2x6 SP #2:
:W10, W11 2x4 SP #2 Dense:

Calculated horizontal deflection is 0.14" due to live load and 0.21" due to dead load.

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 20.00 psf non-concurrent live load.

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

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

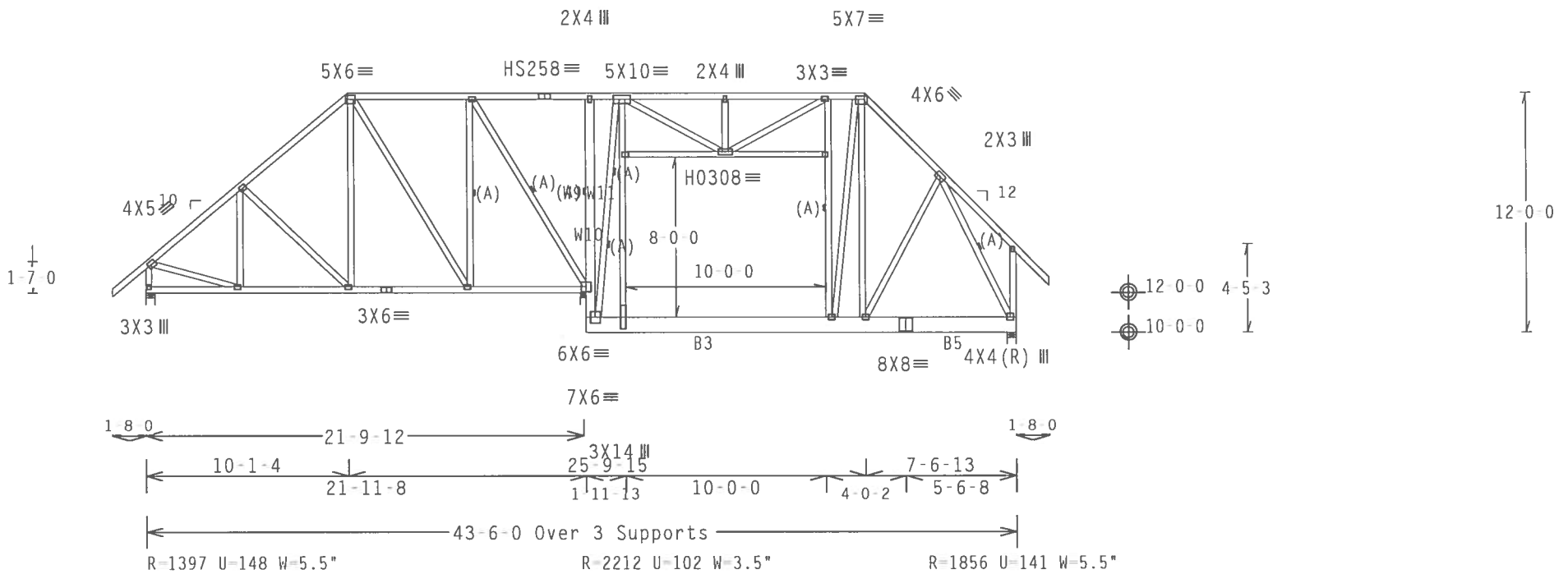
110 mph wind, 17.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 23-11-5 to 33-11-5.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:7 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16-07

TC LL	20.0 PSF	REF	R8228- 81166
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197004
BC LL	0.0 PSF		HC-ENG TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	2867
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** A2)

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

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.

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

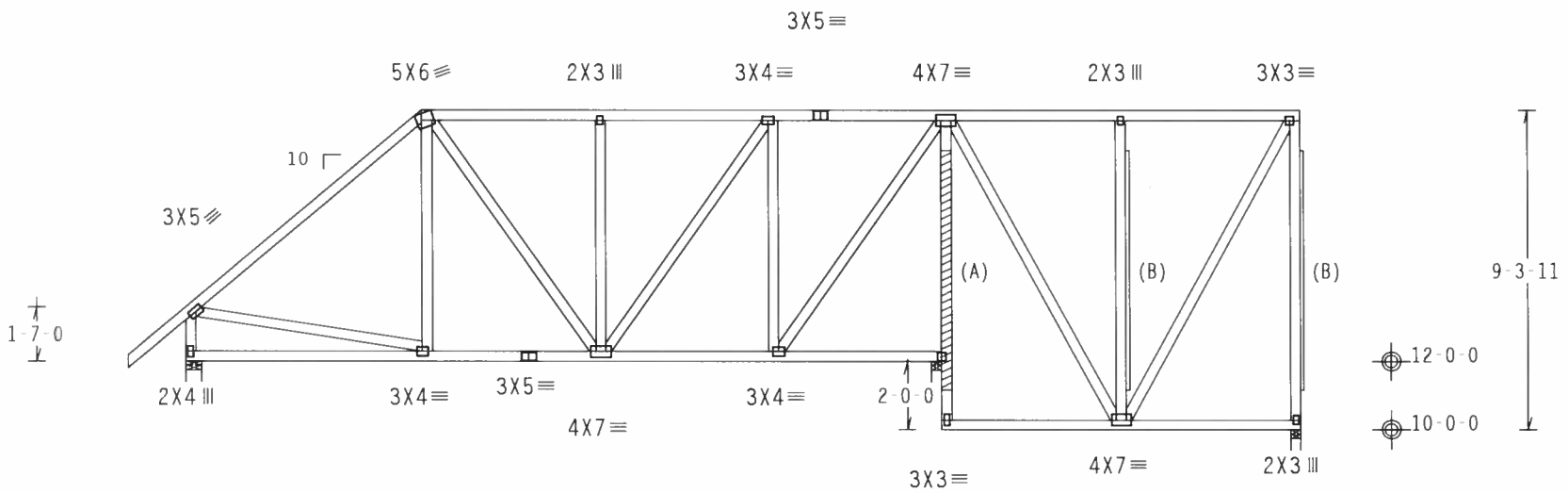
110 mph wind, 15.75 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

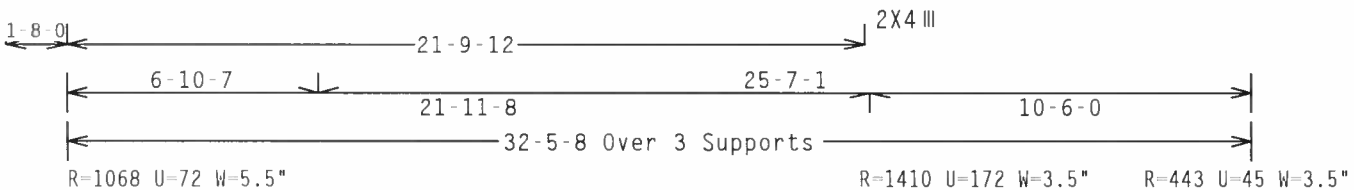
Right end vertical not exposed to wind pressure.

(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.

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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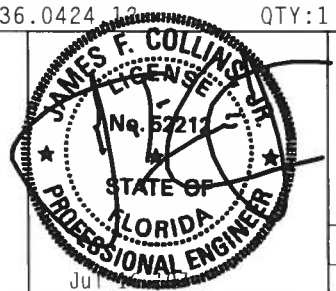


Jul-

TC LL	20.0 PSF	REF	R8228- 81167
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197031
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1427
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B - Isaac Construction Jeremy Cady - - . ** - A6G)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #2 :B3, B5 2x10 SP SS:
:B4 2x4 SP #2 Dense:
Webs 2x4 SP #3 :W9, W12 2x6 SP #2:

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 71 PLF at -1.67 to 71 PLF at 0.00
TC - From 66 PLF at 0.00 to 66 PLF at 35.93
TC - From 68 PLF at 35.93 to 68 PLF at 43.50
TC - From 74 PLF at 43.50 to 74 PLF at 45.17
BC - From 20 PLF at 0.00 to 20 PLF at 23.94
BC - From 120 PLF at 23.94 to 120 PLF at 33.94
BC - From 20 PLF at 33.94 to 20 PLF at 43.50
PLT - From 20 PLF at 23.94 to 20 PLF at 33.94
BC - 508 LB Conc. Load at 4.67
BC - 549 LB Conc. Load at 5.71
BC - 634 LB Conc. Load at 7.71
BC - 135 LB Conc. Load at 23.94, 33.94

(A) Continuous lateral bracing equally spaced on member.

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

Collar-tie braced with continuous lateral bracing at 24" OC. or rigid ceiling.

Bottom chord checked for 20.00 psf non-concurrent live load.

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 Box or Gun (0.128"x3.25", min.) nails)
Top Chord: 1 Row @12.00" o.c.
Bot Chord: 1 Row @11.50" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

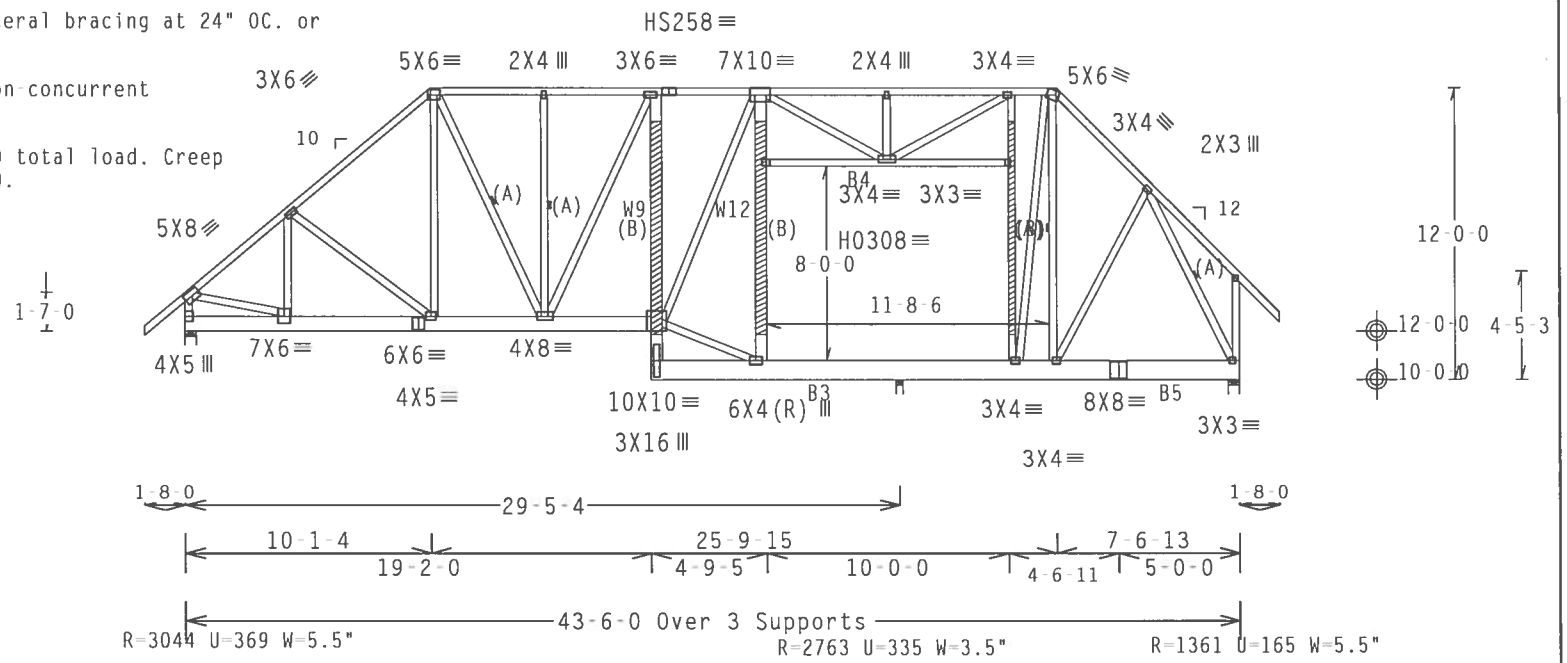
110 mph wind, 17.10 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Right end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Calculated horizontal deflection is 0.25" due to live load and 0.43" due to dead load.

(B) #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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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 (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.

JAMES F. COLLINS JR LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228- 81168
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197008
BC LL	0.0 PSF		HC-ENG TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	2785
DUR.FAC.	1.25		
SPACING	SEE ABOVE		JREF- 1T938228Z01

(7-140B Isaac Construction Jeremy Cady , ** A1 GE)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense :B3 2x6 SP #2:
Webs 2x4 SP #3 :W12 2x4 SP #2 Dense:

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 108 PLF at 1.67 to 108 PLF at 4.47
TC From 108 PLF at 4.47 to 108 PLF at 32.46
BC From 5 PLF at 1.67 to 5 PLF at 0.00
BC From 20 PLF at 0.00 to 20 PLF at 21.96
BC From 20 PLF at 21.96 to 20 PLF at 32.46
PLB 476 LB Conc. Load at (23.56,10.04), (25.56,10.04), (27.56,10.04) (29.56,10.04), (31.56,10.04), (31.94,10.04)

Bottom chord checked for 20.00 psf non-concurrent live load.

See DWGS A11015EC0207 & 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

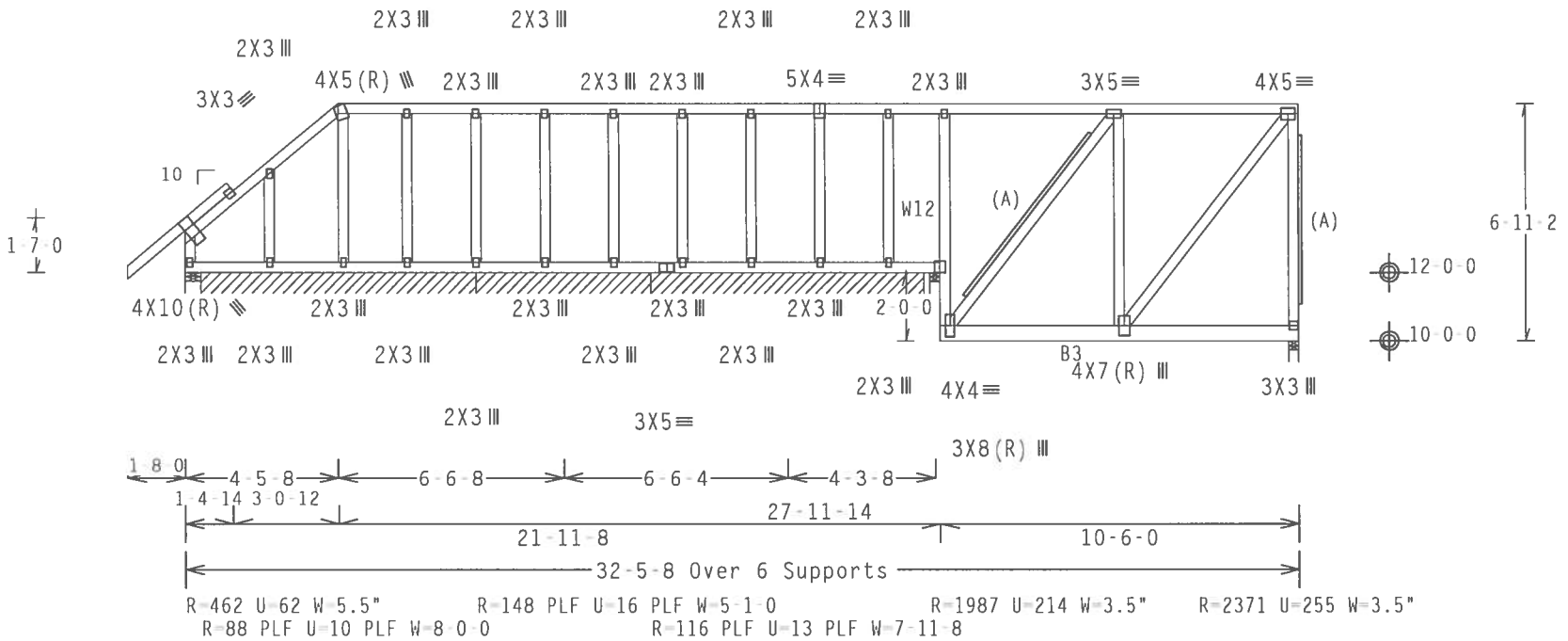
Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

(A) 1x4 #3 or better "L" 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.

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)/10(0) 7.36.0424 | QTY:1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52272 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228-81169
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197046
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN	2369
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** A12)

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

Wind reactions based on MWFRS pressures.

Bottom chord checked for 20.00 psf non-concurrent live load.

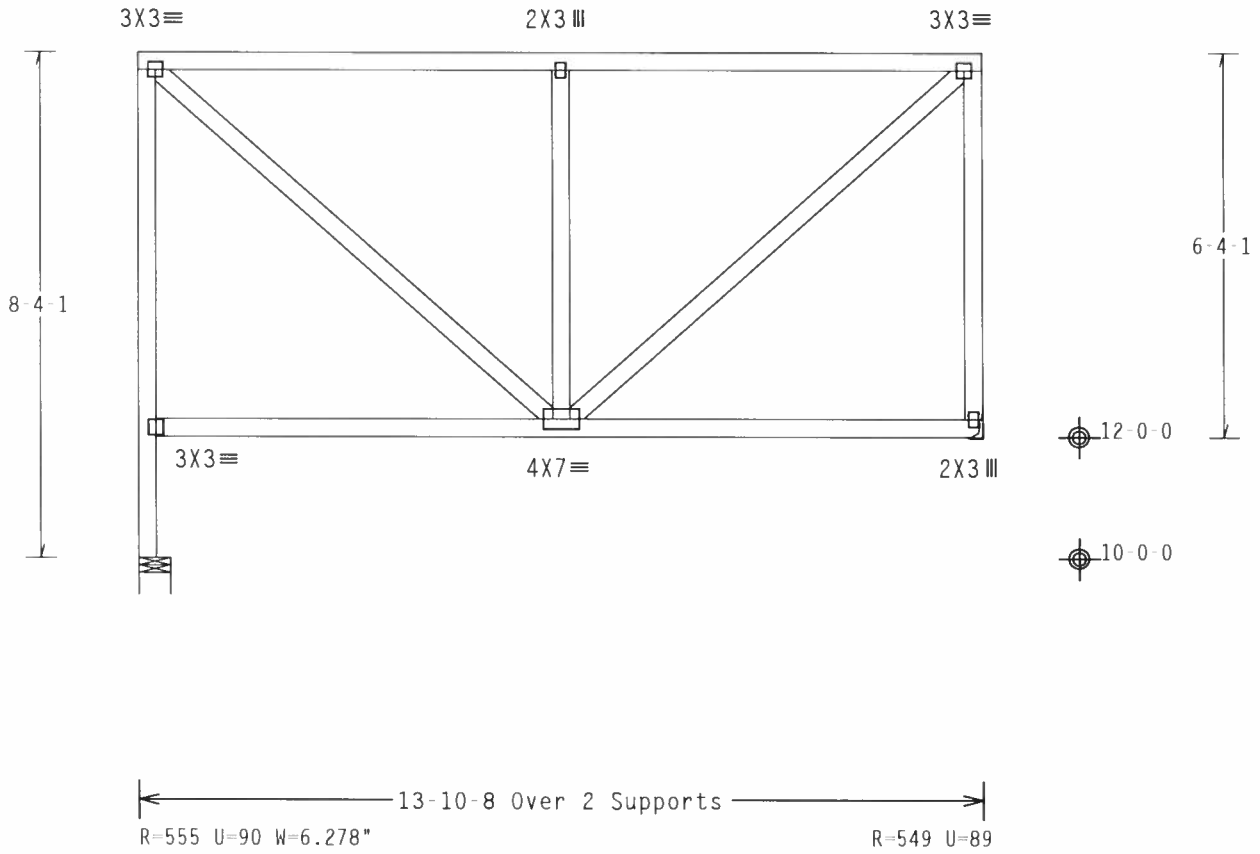
Truss must be installed as shown with top chord up.

Leg-down designed for vertical loads only.

110 mph wind, 18.34 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.

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)/10(0) 7.36.0424 E2 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #667

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF R8228- 81170
TC DL	10.0 PSF	DATE 07/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07197006
BC LL	0.0 PSF	HC-ENG TCE/WHK
TOT.LD.	40.0 PSF	SEQN- 2750
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T938228Z01

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W9 2x6 SP #2:

Wind reactions based on MWFRS pressures.

(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.

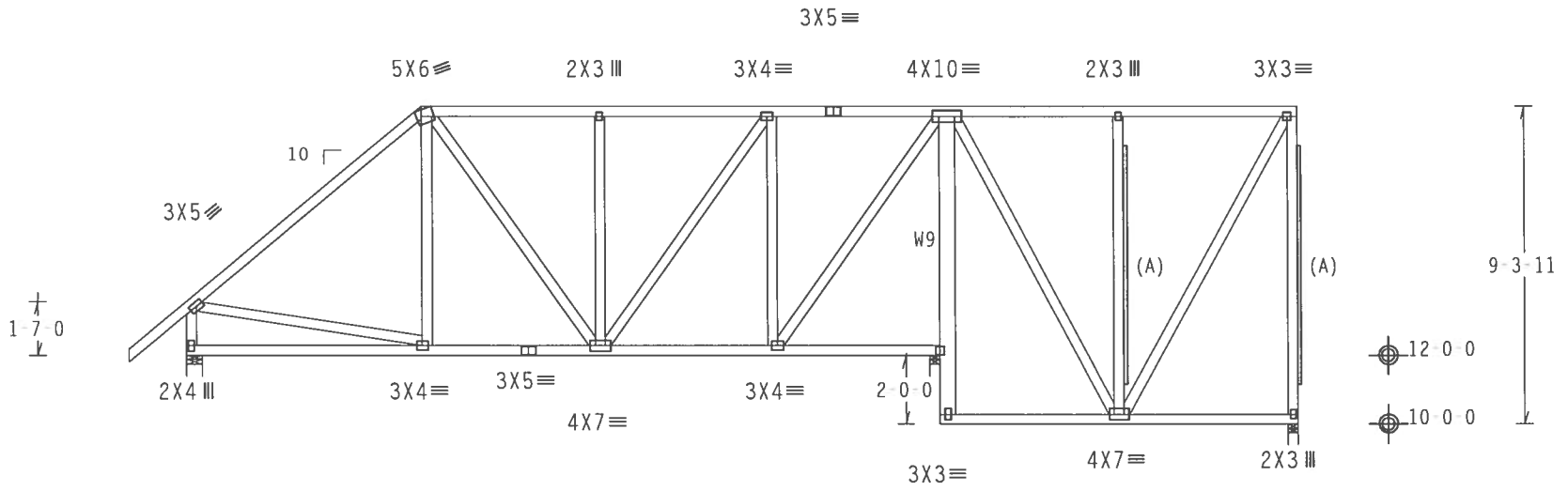
Bottom chord checked for 20.00 psf non-concurrent live load.

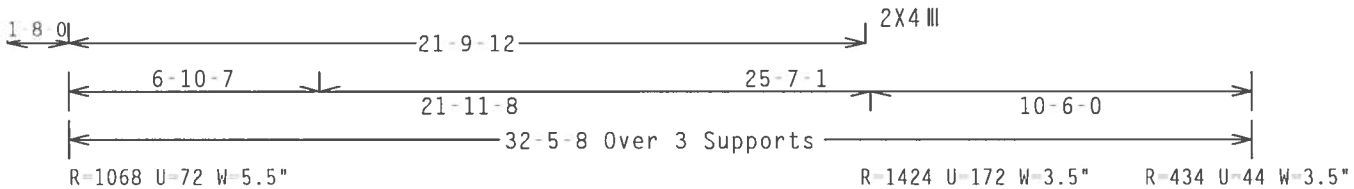
110 mph wind, 15.75 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0424 12

QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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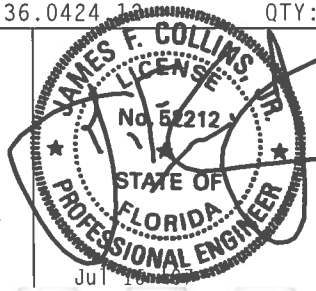


Jul 16,07

TC LL	20.0 PSF	REF	R8228-81171
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197058
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2280
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady - - , ** - A3)

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

Wind reactions based on MWFRS pressures.

(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.

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

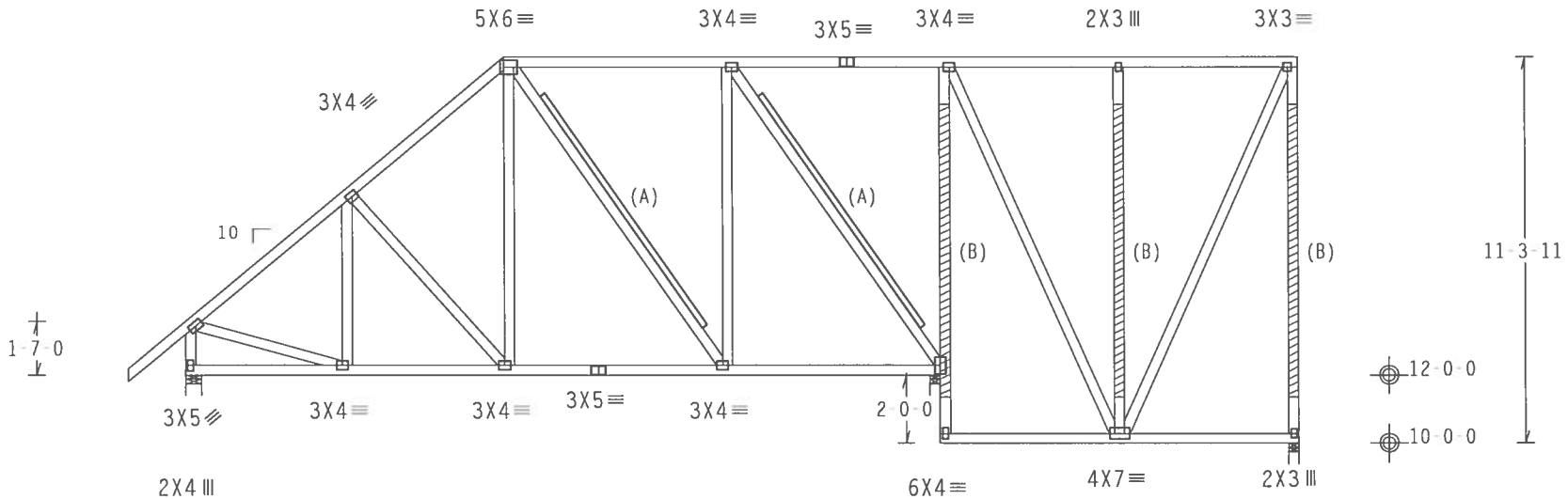
110 mph wind, 16.75 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

(B) #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.

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) | 7.36.0424 | QTY:1 | FL/-/4/-/-/R/- | Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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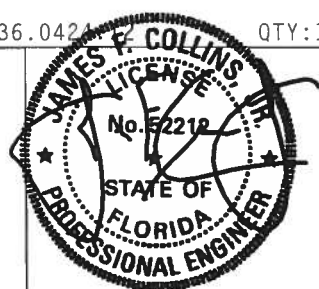


Jul 16 '07

TC LL	20.0 PSF	REF	R8228-81172
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197009
BC LL	0.0 PSF		HC-ENG TCE/WHK
TOT.LD.	40.0 PSF	SEQN	2883
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** A4)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W3 2x6 SP #2:

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

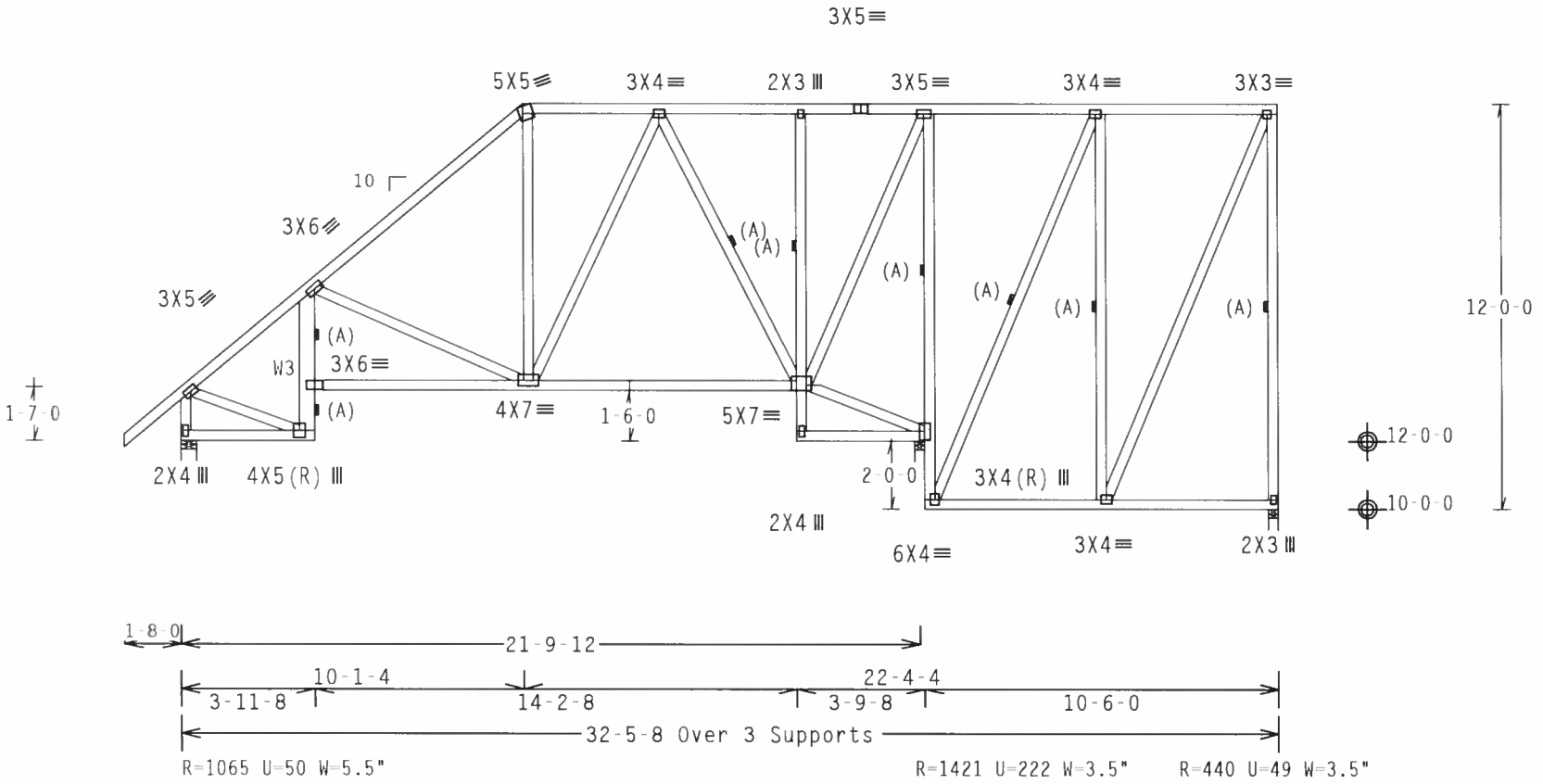
Bottom chord checked for 20.00 psf non-concurrent live load.

110 mph wind, 17.10 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

Right end vertical not exposed to wind pressure.

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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSED No. 52210 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81173
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197094
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN	2378
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** A11)

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

Wind reactions based on MWFRS pressures.

Bottom chord checked for 20.00 psf non-concurrent live load.

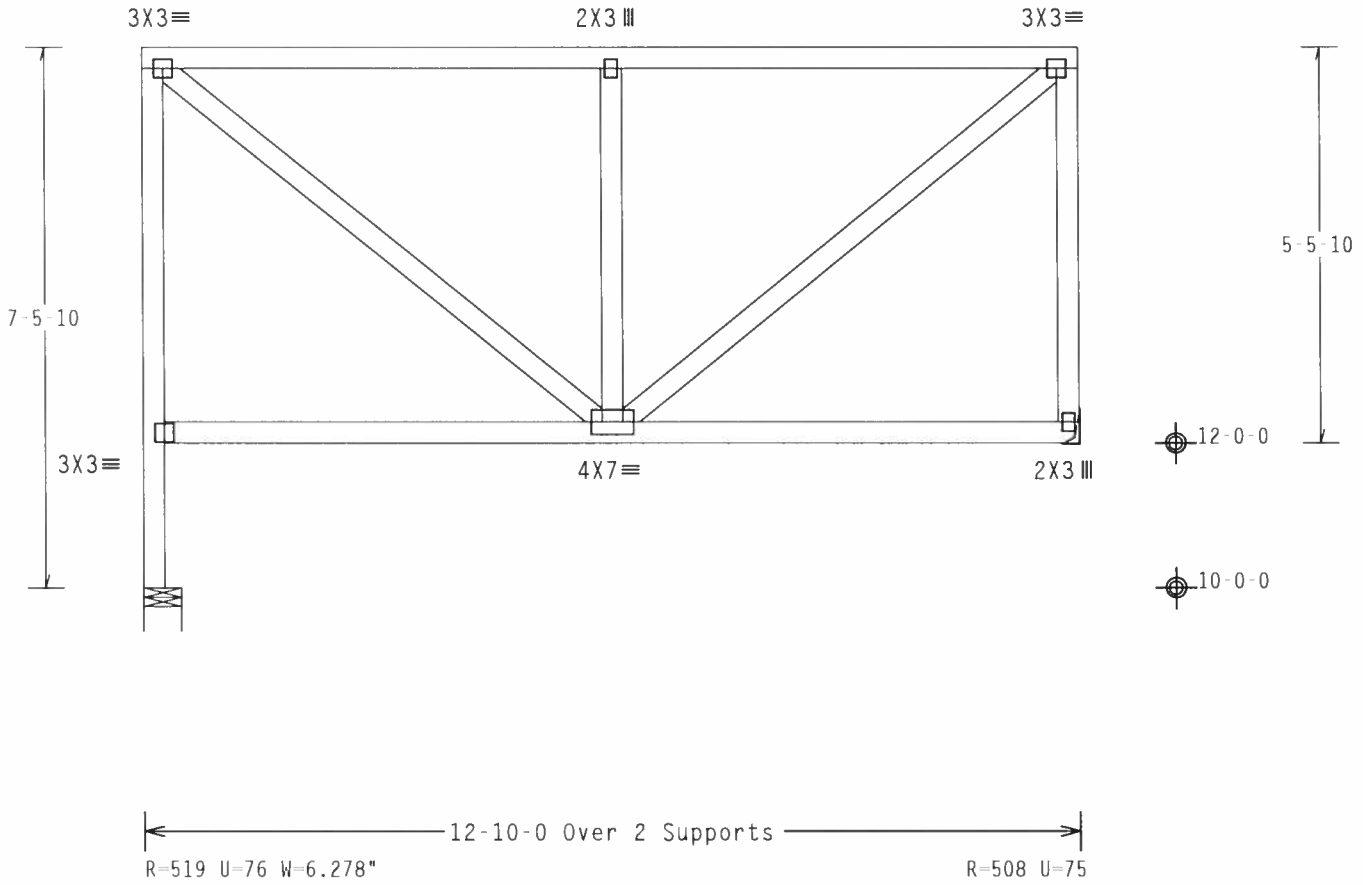
Truss must be installed as shown with top chord up.

Leg down designed for vertical loads only.

110 mph wind, 17.47 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.

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)/10(0) 7.36.0424 12 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ju[illegible]

TC LL	20.0 PSF	REF	R8228- 81174
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197007
BC LL	0.0 PSF		HC-ENG TCE/WHK
TOT.LD.	40.0 PSF	SEQN	2743
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** A13)

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

Wind reactions based on MWFRS pressures.

Bottom chord checked for 20.00 psf non concurrent live load.

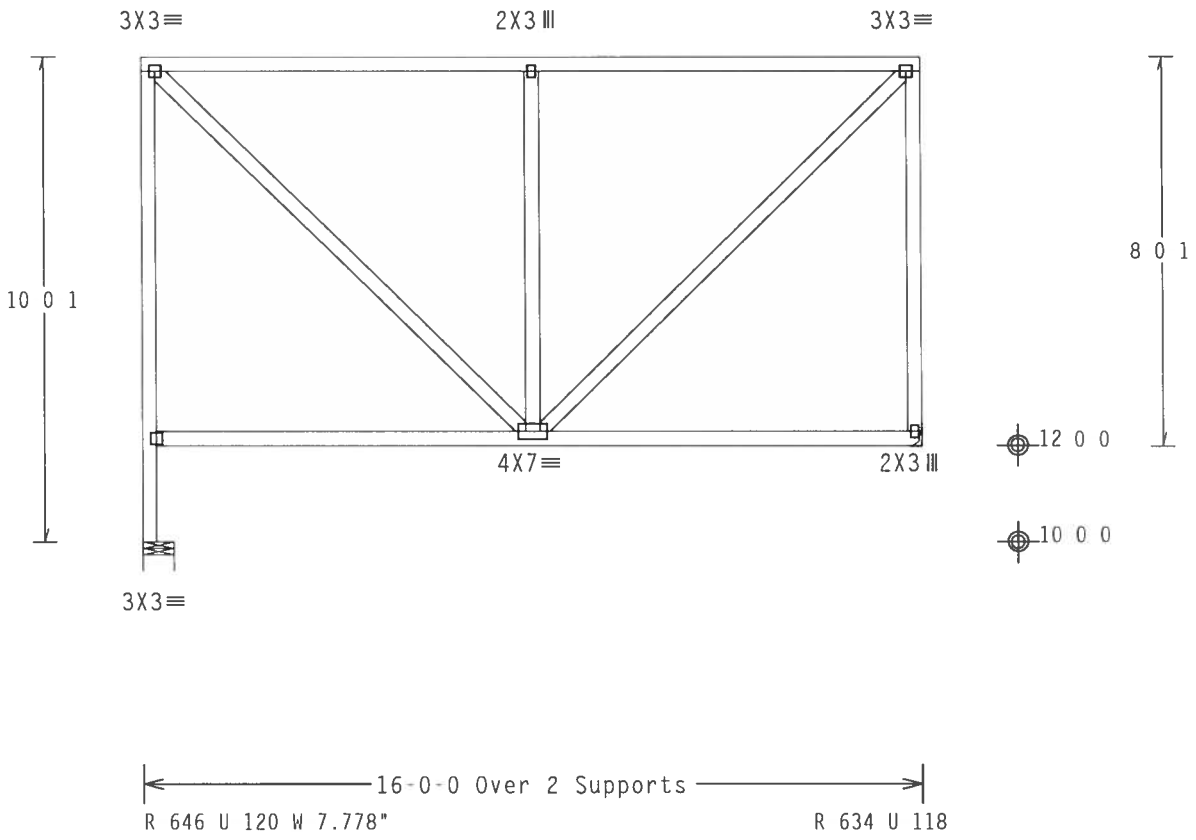
Truss must be installed as shown with top chord up.

Leg down designed for vertical loads only.

110 mph wind, 20.01 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.

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)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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JAMES F. COLLINS JR. LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 17

TC LL	20.0 PSF	REF	R8228- 81175
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197005
BC LL	0.0 PSF	HC-ENG	TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	2759
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** B5G)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #2
Webs 2x4 SP #3

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 73 PLF at -1.67 to 73 PLF at 1.45
TC - From 73 PLF at 1.45 to 73 PLF at 14.00
TC - From 66 PLF at 14.00 to 66 PLF at 26.01
BC - From 7 PLF at -1.67 to 7 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 24.35
BC - From 5 PLF at 24.35 to 5 PLF at 26.01
BC - 1419 LB Conc. Load at 10.74

Left 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.

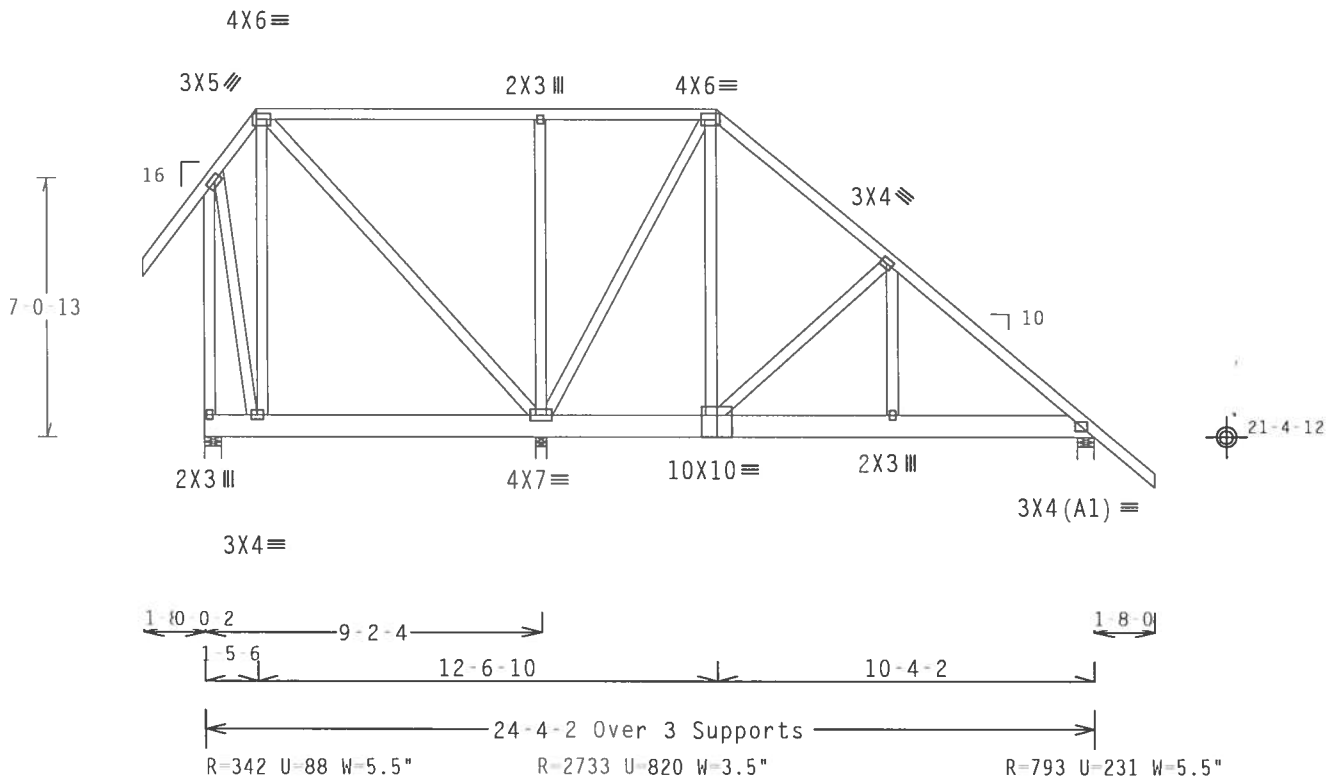
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (12d_Box_or_Gun_(0.128"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, 25.39 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)/10(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81176
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197002
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2694
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - B7)

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

Wind reactions based on MWFRS pressures.

(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.

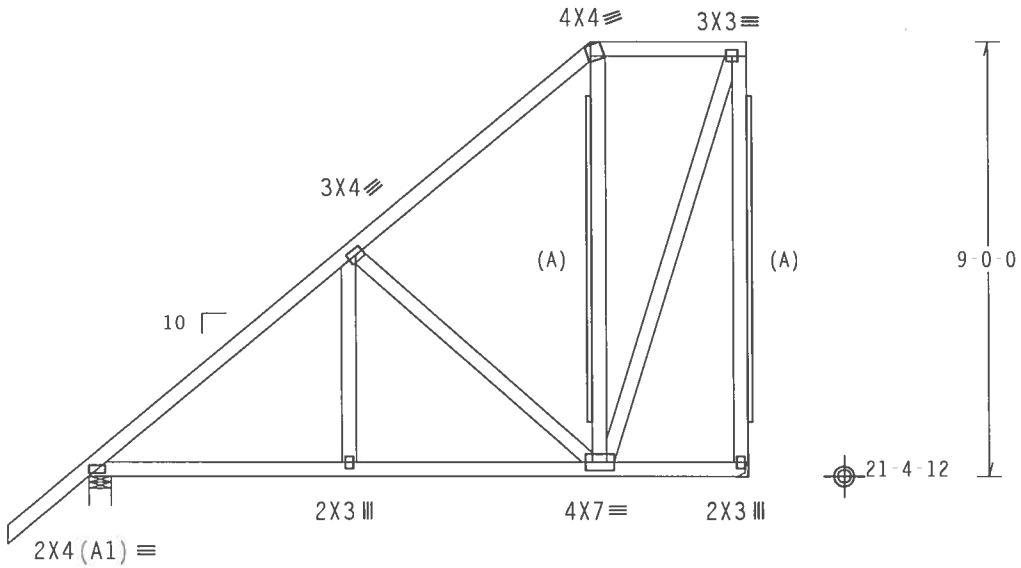
Bottom chord checked for 20.00 psf non-concurrent live load.

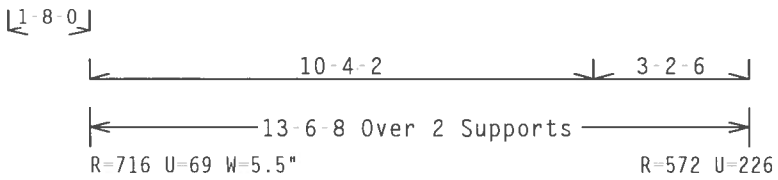
110 mph wind, 25.39 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

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.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR
LICENSE
No. 52212
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Jul 16,07

TC LL	20.0 PSF	REF	R8228-81177
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197005
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2180
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady -- , ** - BP5)

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

110 mph wind, 31.74 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=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

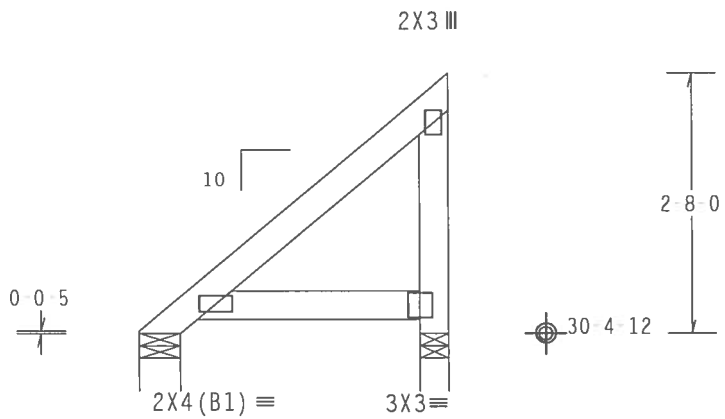
Refer to DWG PIGBACKA0207 or PIGBACKB0207 for piggyback details.

SPECIAL LOADS
-------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at -0.62 to 66 PLF at 2.54
BC - From 4 PLF at -0.62 to 4 PLF at 2.54

Wind reactions based on MWFRS pressures.

Right end vertical not exposed to wind pressure.

Bottom chord checked for 20.00 psf non-concurrent live load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 1[illegible] QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES E. COLLINS JR. LICENSE NO. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228-81178
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197006
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2192
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** B6)

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

Wind reactions based on MWFRS pressures.

(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.

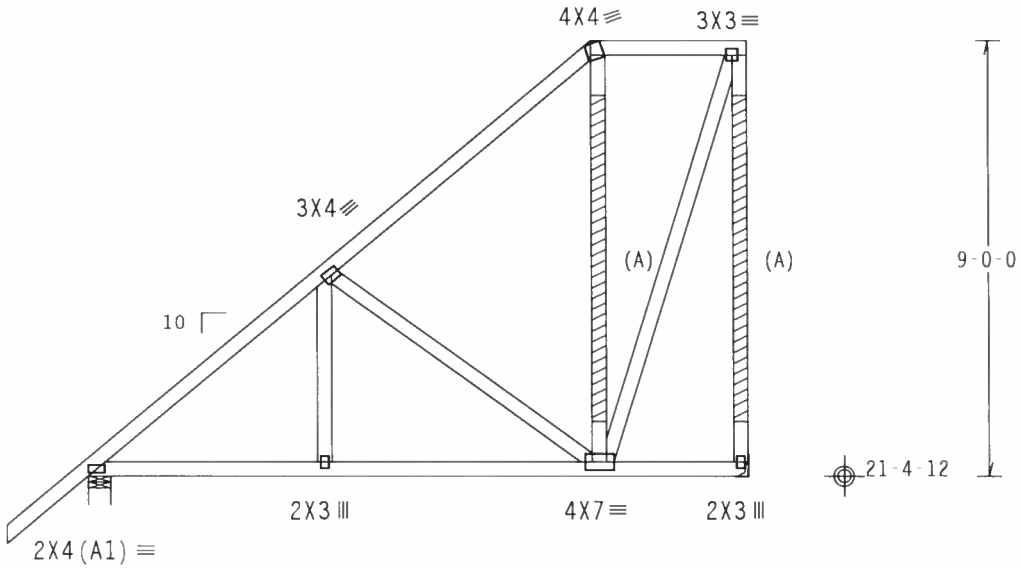
Bottom chord checked for 20.00 psf non-concurrent live load.

110 mph wind, 25.39 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

Right end vertical not exposed to wind pressure.

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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 1 QTY:2 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16-07

TC LL	20.0 PSF	REF	R8228- 81179
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197008
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2188
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - MGB)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #1 Dense
Webs 2x4 SP #3

110 mph wind, 27.98 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.

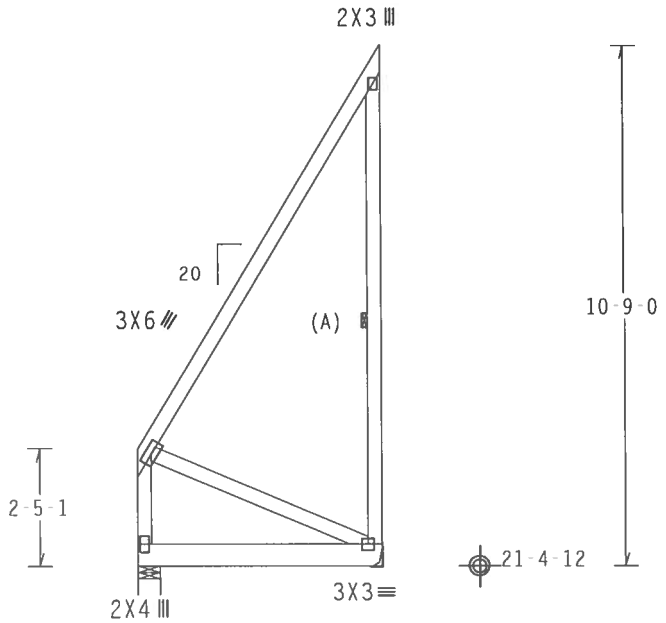
Bottom chord checked for 20.00 psf non-concurrent live load.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 79 PLF at 0.00 to 79 PLF at 5.00
BC - From 20 PLF at 0.00 to 20 PLF at 5.00
BC - 701 LB Conc. Load at 1.06, 3.06

Wind reactions based on MWFRS pressures.

(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.



5-0-0 Over 2 Supports

R=1071 U=363 W=5.5"
R=826 U=273

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #607

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JAMES E. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228-81180
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197009
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2592
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B- Isaac Construction Jeremy Cady -- , ** - B8)

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

Wind reactions based on MWFRS pressures.

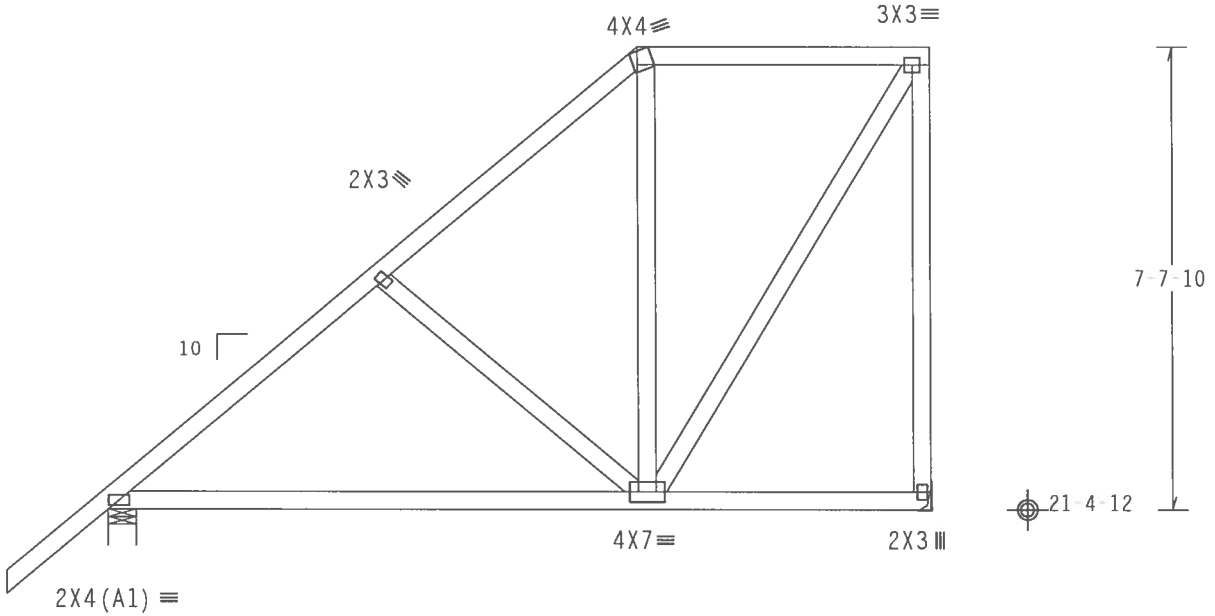
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

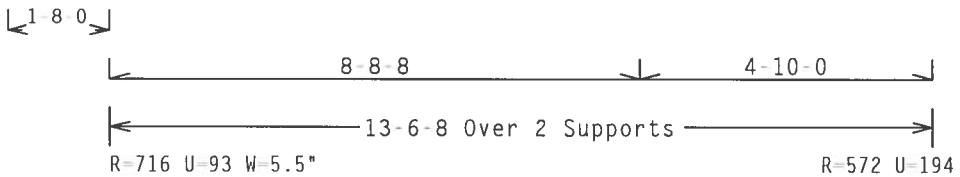
110 mph wind, 24.71 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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.

JAMES F. COLLINS, JR. LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16 07

TC LL	20.0 PSF	REF	R8228-81181
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197019
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2171
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - B3)

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

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

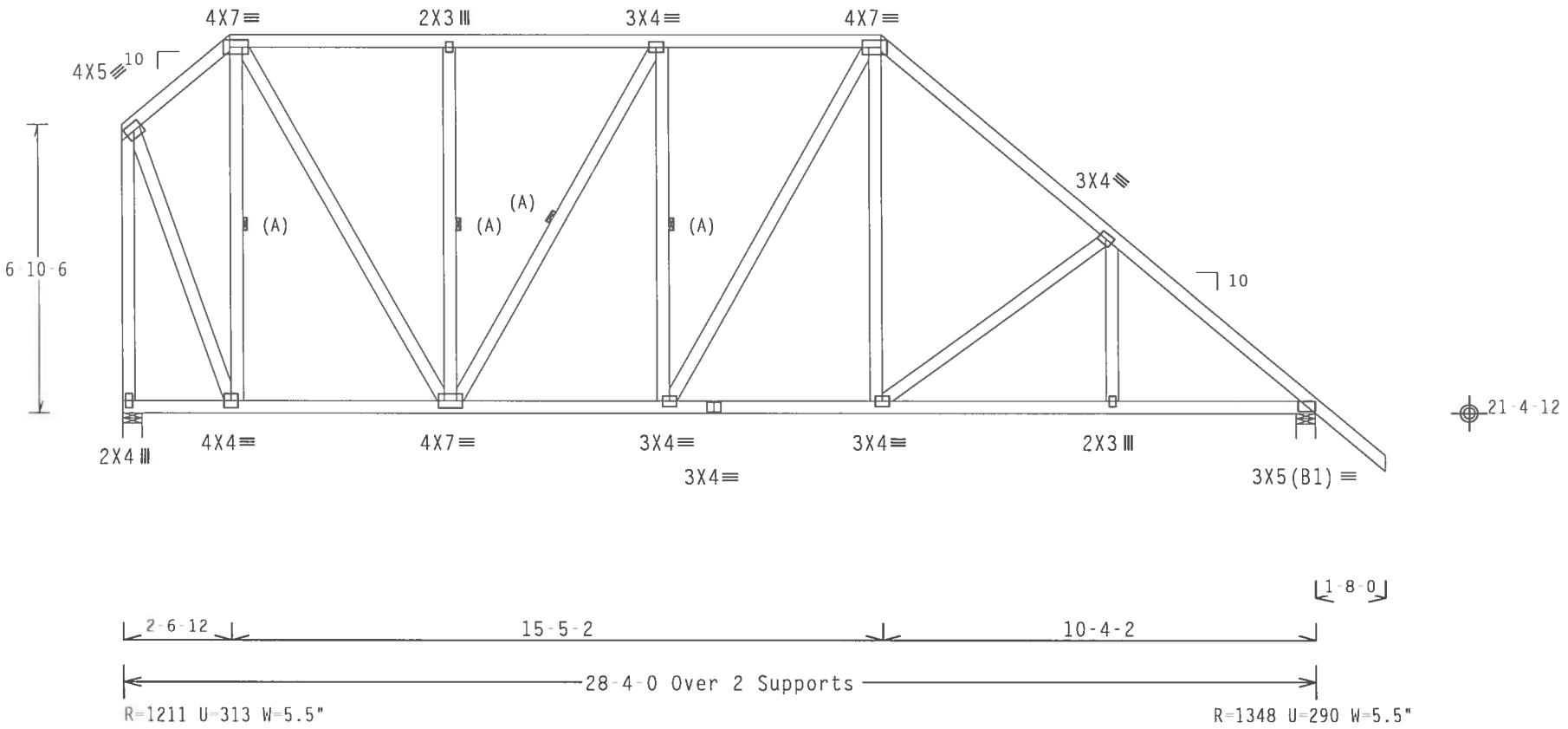
Bottom chord checked for 20.00 psf non-concurrent live load.

110 mph wind, 25.39 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

(A) Continuous lateral bracing equally spaced on member.

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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:4 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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

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JAMES F. COLLINS JR. LICENSE No 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228-81182
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197020
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN	2222
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** B2)

Top chord 2x4 SP #2 Dense :T2 2x6 SP #1 Dense:
Bot chord 2x8 SP SS :B3 2x8 SP #2:
Webs 2x4 SP #3
:Lt Slider 2x6 SP #2: BLOCK LENGTH = 1.539'

(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.

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

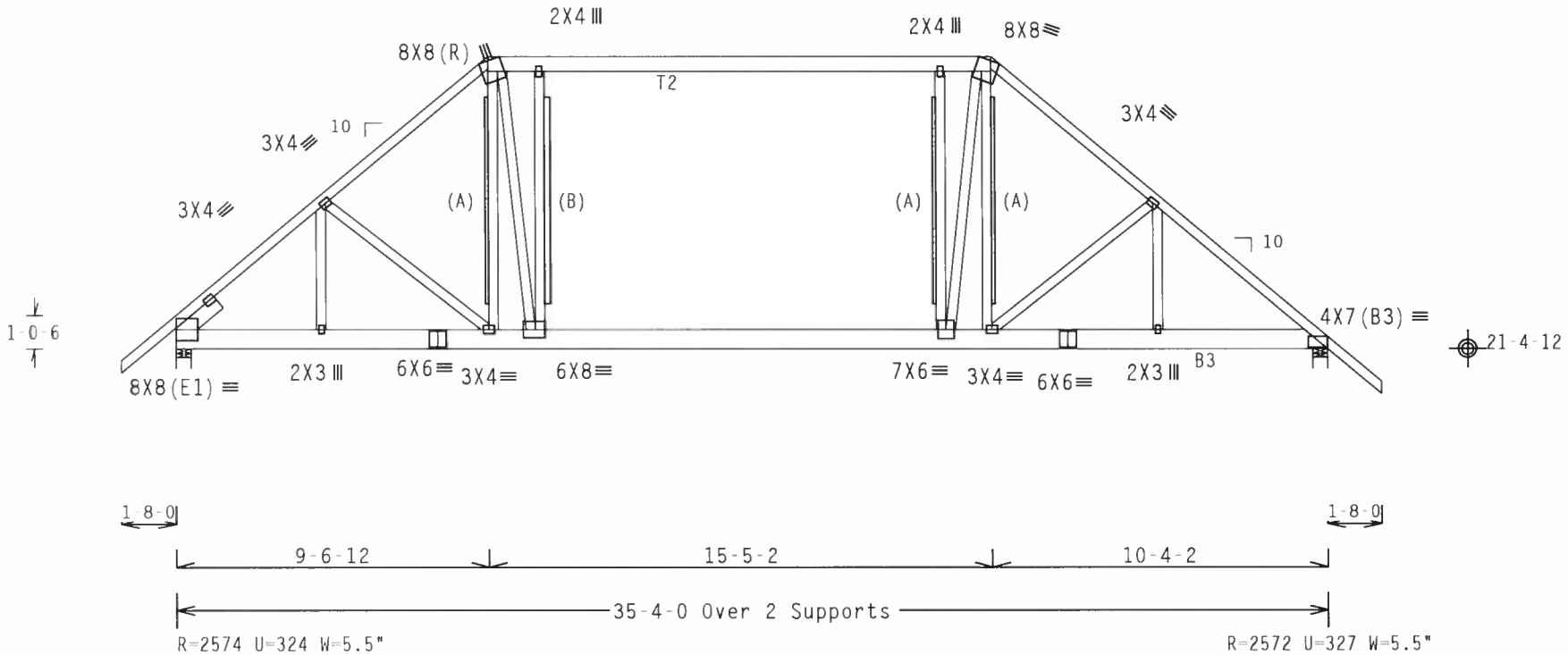
110 mph wind, 25.39 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

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.

Bottom chord checked for 20.00 psf non-concurrent live load.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 11-3-5 to 23-3-5.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 1.0 QTY:2 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16,07

TC LL	20.0 PSF	REF	R8228- 81183
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197029
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2548
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady -- , ** - B4)

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

Wind reactions based on MWFRS pressures.

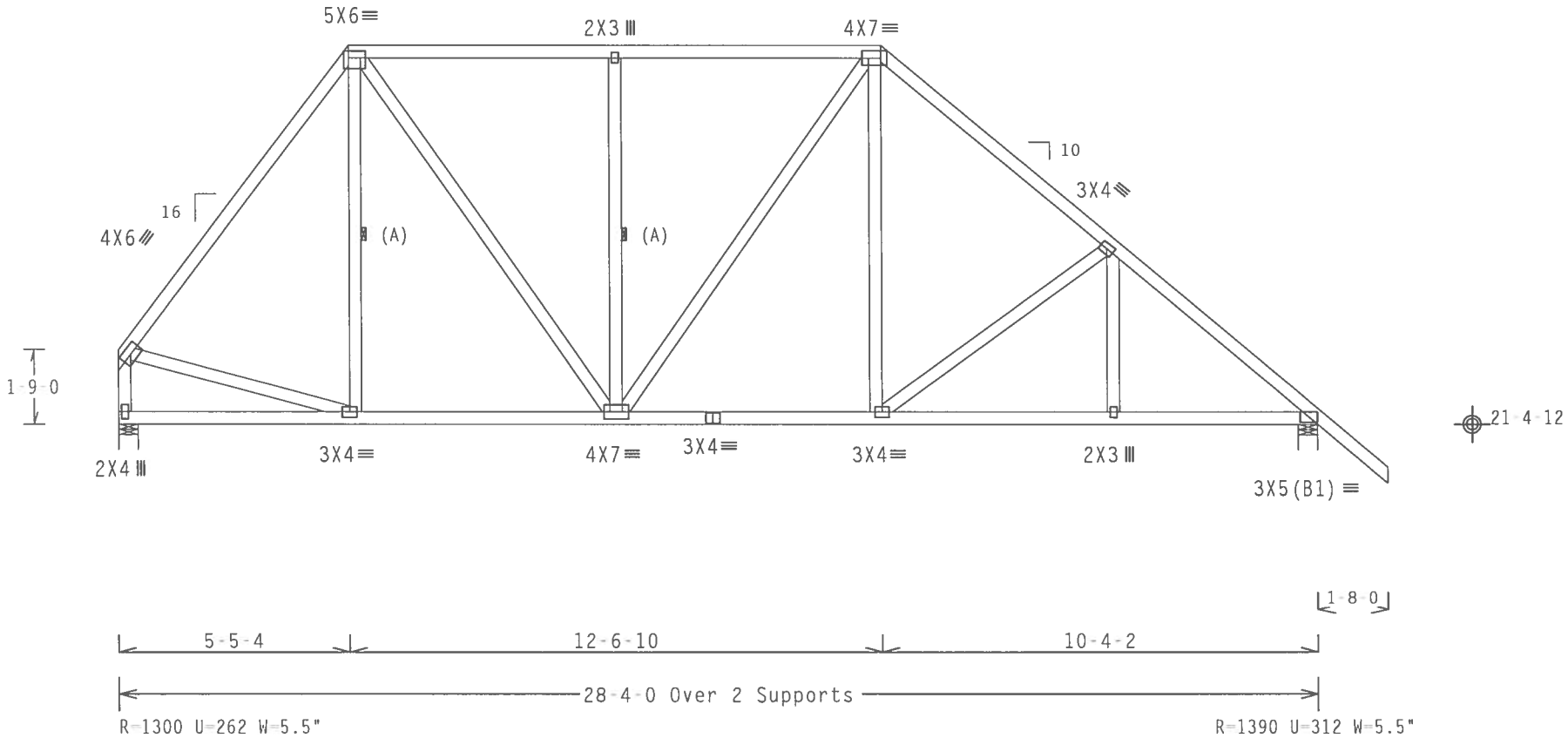
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 25.39 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

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424 QTY:4 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR LICENSE No.52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228-81184
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197030
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN	2213
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** B13)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W5, W8 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

Max JT VERT DEFL: LL: 0.20" DL: 0.32" recommended camber 1/2"

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 20.00 psf non-concurrent live load.

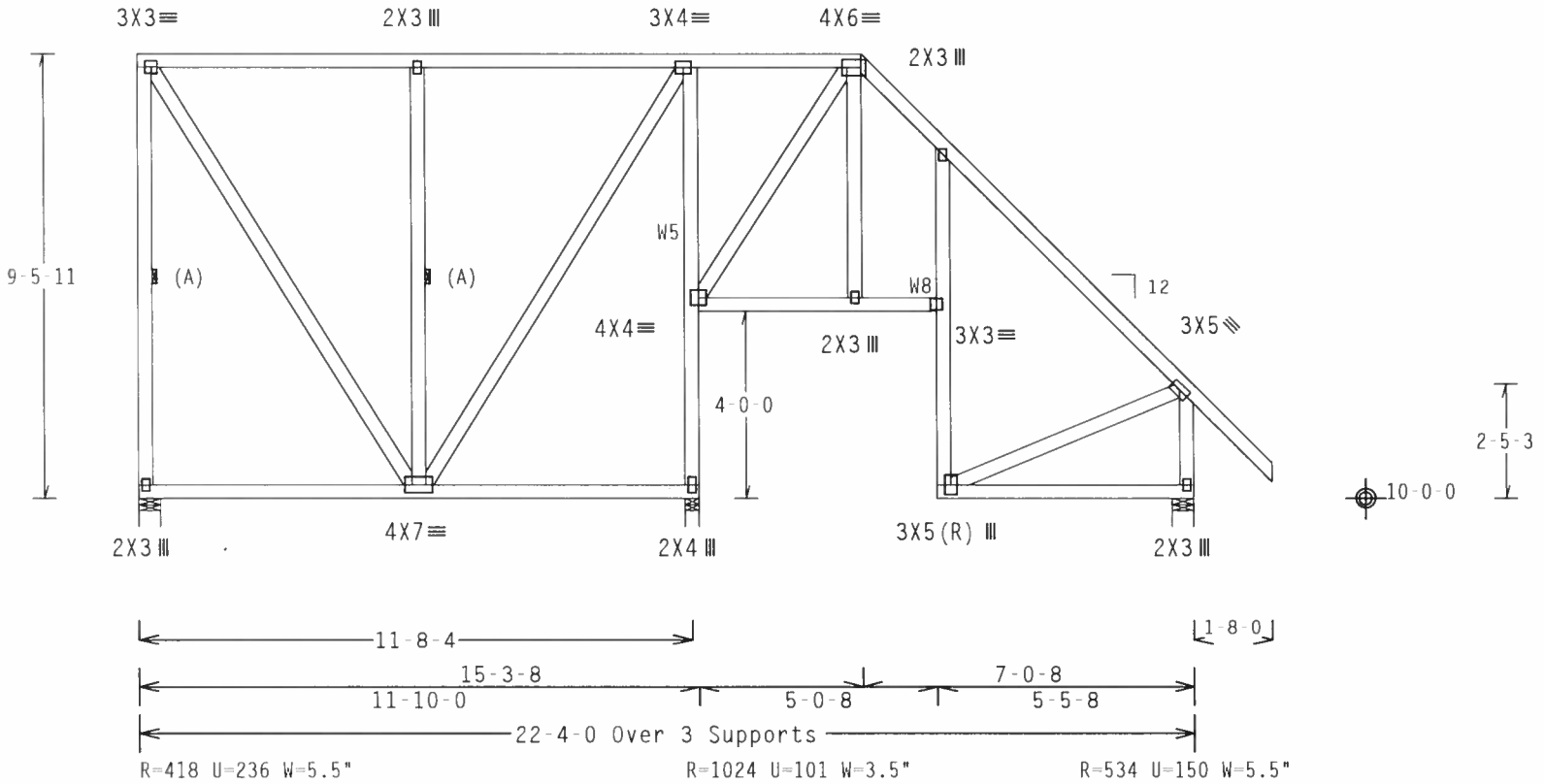
110 mph wind, 15.12 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Calculated horizontal deflection is 0.17" due to live load and 0.26" due to dead load.

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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 5627

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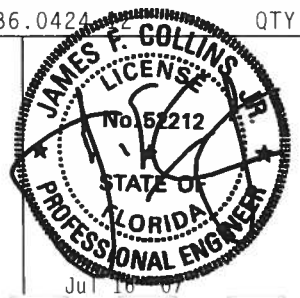


Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81185
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197010
BC LL	0.0 PSF	HC-ENG	TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	2931
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** B10)

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

Wind reactions based on MWFRS pressures.

(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.

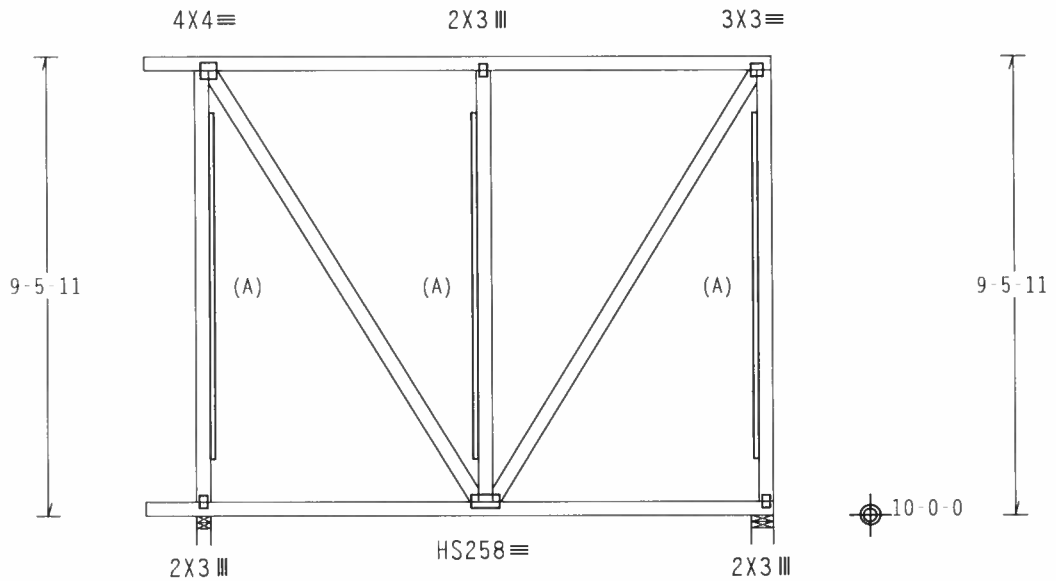
Truss must be installed as shown with top chord up.

110 mph wind, 19.47 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.

Bottom chord checked for 20.00 psf non-concurrent live load.

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. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #607

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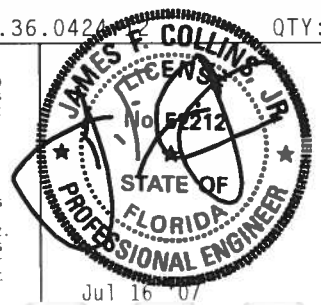


TC LL	20.0 PSF	REF	R8228-81186
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197053
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2152
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** B12)

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

Wind reactions based on MWFRS pressures.

(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.

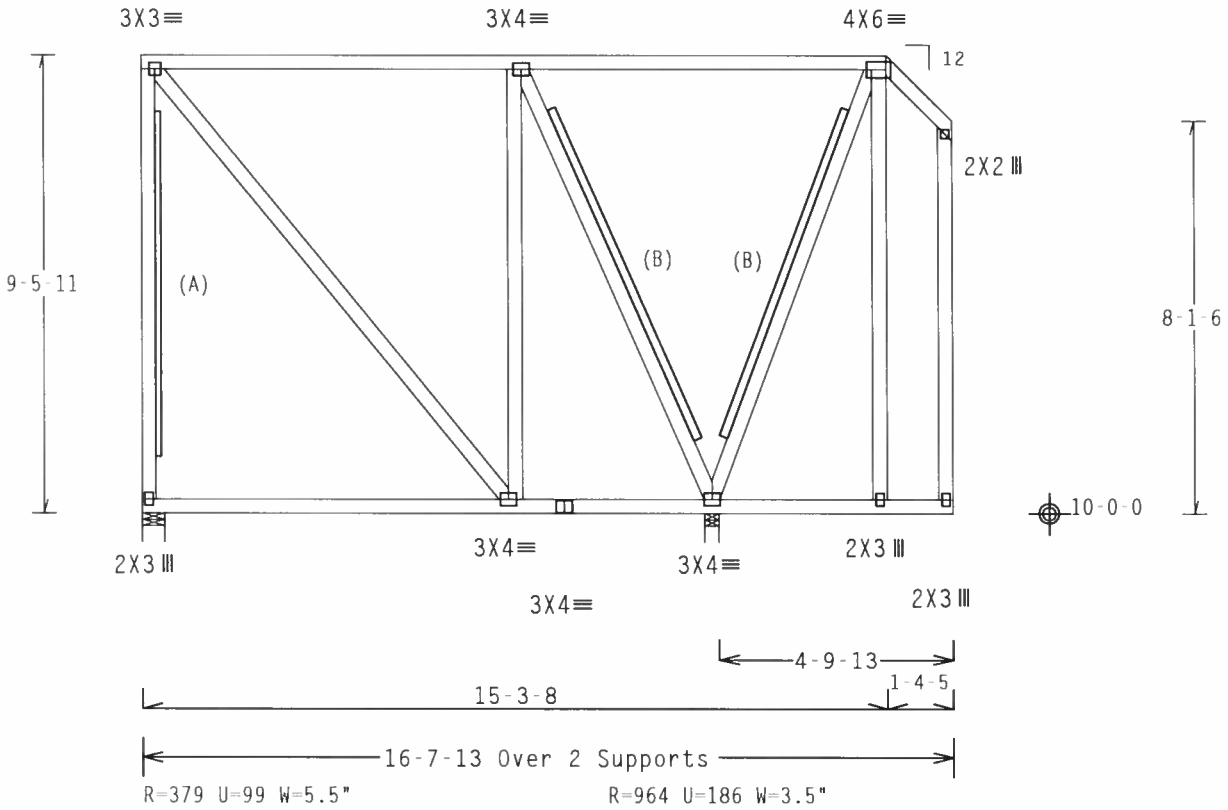
110 mph wind, 18.79 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

End verticals not exposed to wind pressure.

(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.

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81187
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197076
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2138
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** B9G)

Top chord 2x4 SP #2 Dense
Bot chord 2x8 SP #2
Webs 2x4 SP #3

110 mph wind, 30.50 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.

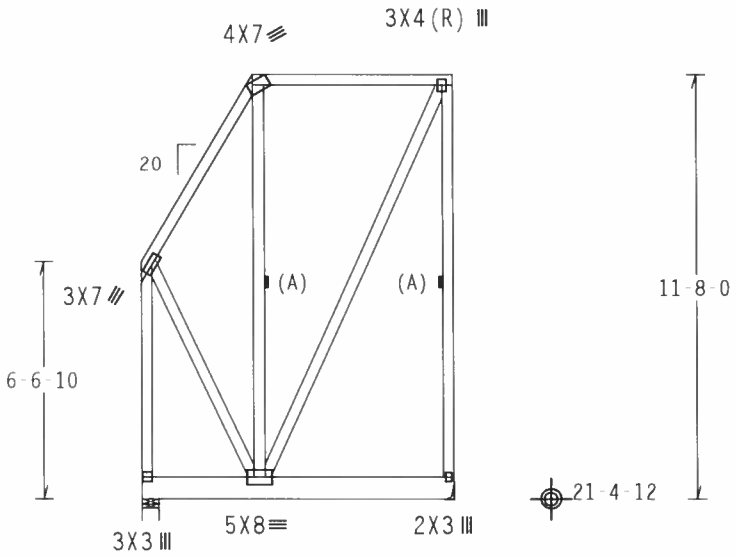
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

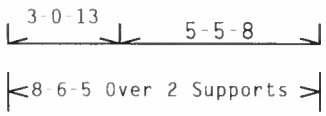
SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 79 PLF at 0.00 to 79 PLF at 3.07
TC - From 79 PLF at 3.07 to 79 PLF at 8.53
BC - From 20 PLF at 0.00 to 20 PLF at 8.53
BC - 572 LB Conc. Load at 0.72, 2.72, 4.72, 6.72

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 20.00 psf non-concurrent live load.





R=1714 U=598 W=5.5"
R=1419 U=509

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 F2 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorizati... # 667

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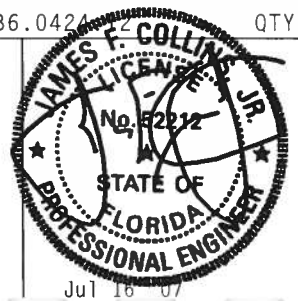


Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81188
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197087
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2687
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 1408 Isaac Construction Jeremy Cady , ** B14)

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

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 20.00 psf non-concurrent live load.

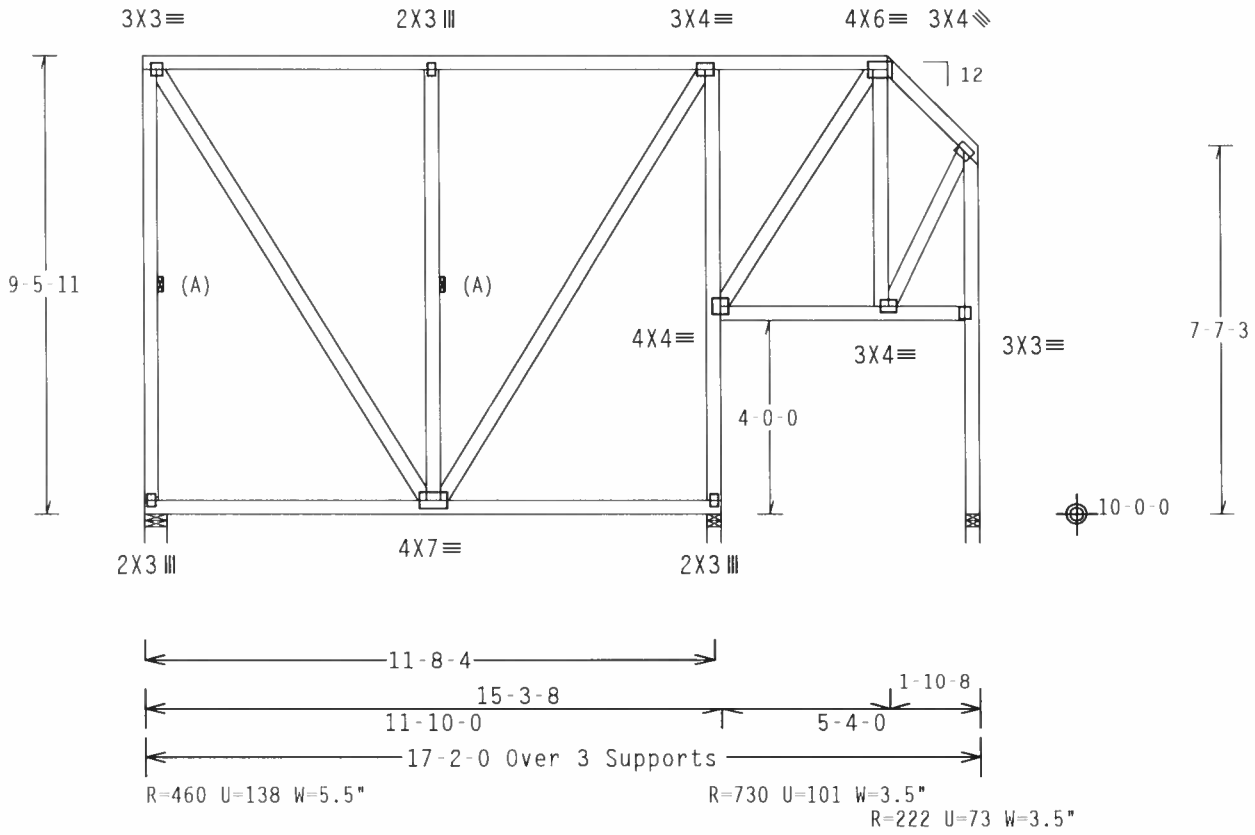
Leg down designed for vertical loads only.

110 mph wind, 18.54 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.

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)/10(0) 7.36.0424.13 QTY:2 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul

TC LL	20.0 PSF	REF	R8228- 81189
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197011
BC LL	0.0 PSF		HC-ENG TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	2926
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** B11)

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

Wind reactions based on MWFRS pressures.

(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.

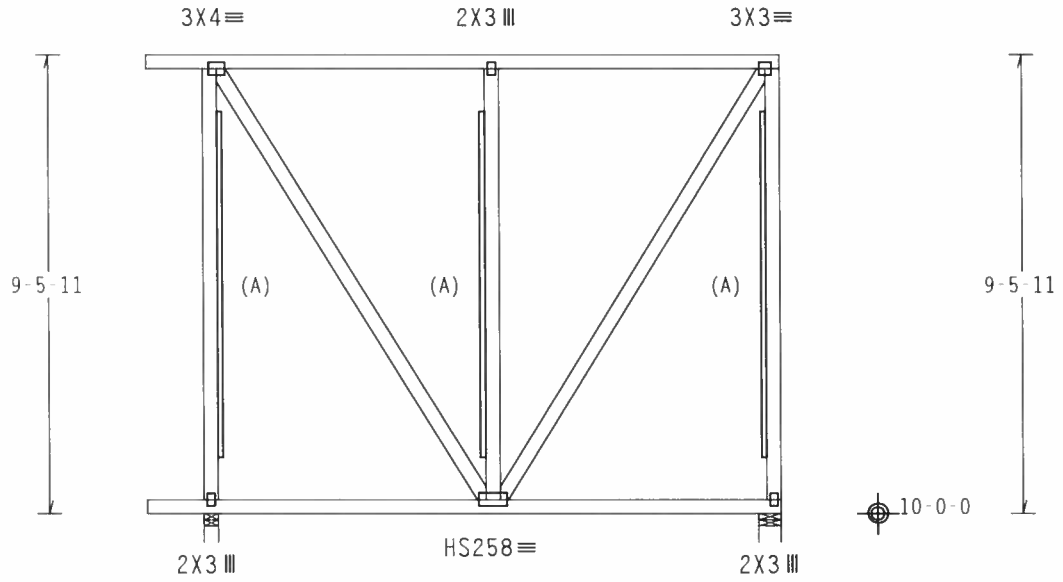
Truss must be installed as shown with top chord up.

110 mph wind, 19.47 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.

Bottom chord checked for 20.00 psf non-concurrent live load.

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. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.13 QTY:2 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16,2007

TC LL	20.0 PSF	REF R8228- 81190
TC DL	10.0 PSF	DATE 07/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07197089
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 2146
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** B1)

Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3
:Rt Slider 2x6 SP #2: BLOCK LENGTH = 1.643'

110 mph wind, 26.59 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.

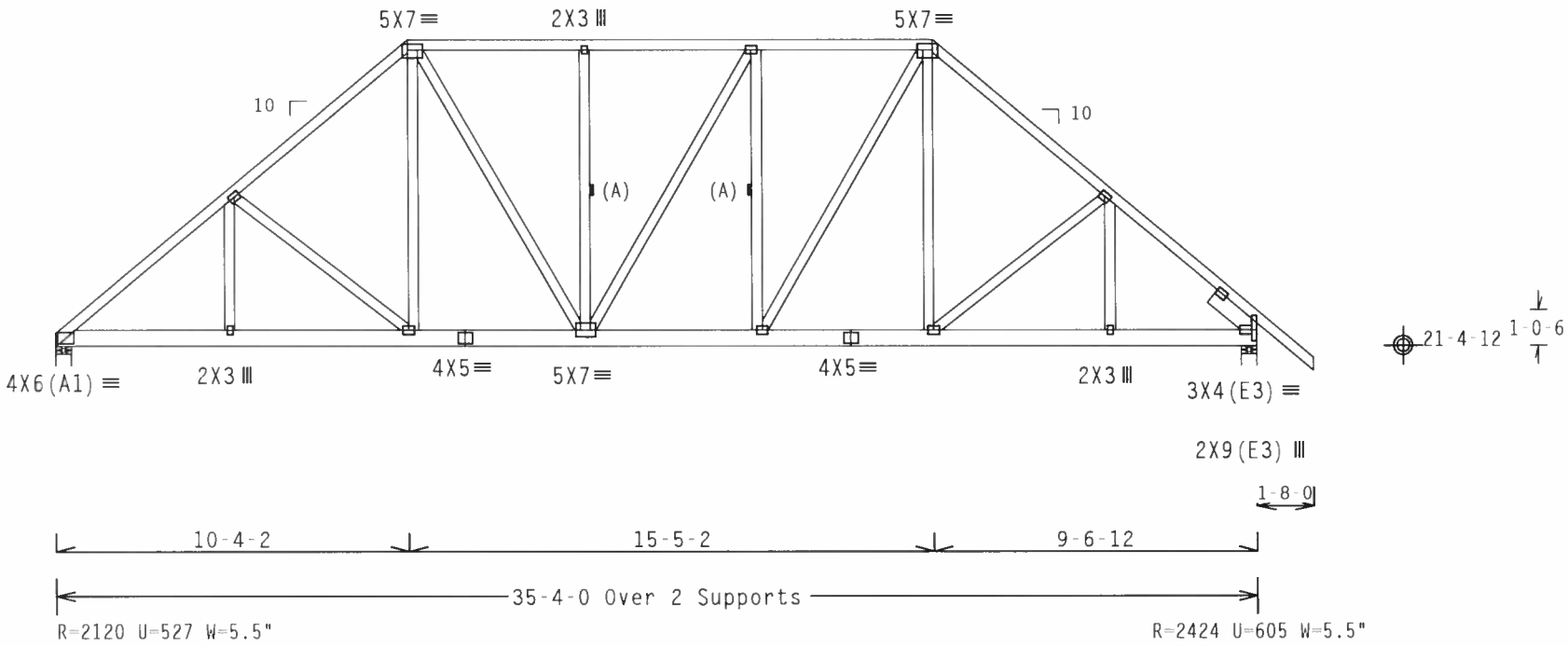
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

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 66 PLF at 0.00 to 66 PLF at 12.45
TC - From 66 PLF at 12.45 to 66 PLF at 23.67
TC - From 66 PLF at 23.67 to 66 PLF at 37.00
BC - From 20 PLF at 0.00 to 20 PLF at 35.33
BC - From 5 PLF at 35.33 to 5 PLF at 37.00
PLB- 826 LB Conc. Load at (16.51,21.44)
PLB- 560 LB Conc. Load at (25.60,21.44)

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 20.00 psf non-concurrent live load.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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JAMES F. COLLINS JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF R8228- 81191
TC DL	10.0 PSF	DATE 07/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07197109
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 2675
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** C1)

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

110 mph wind, 15.14 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.

(B) 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.

Bottom chord checked for 20.00 psf non-concurrent live load.

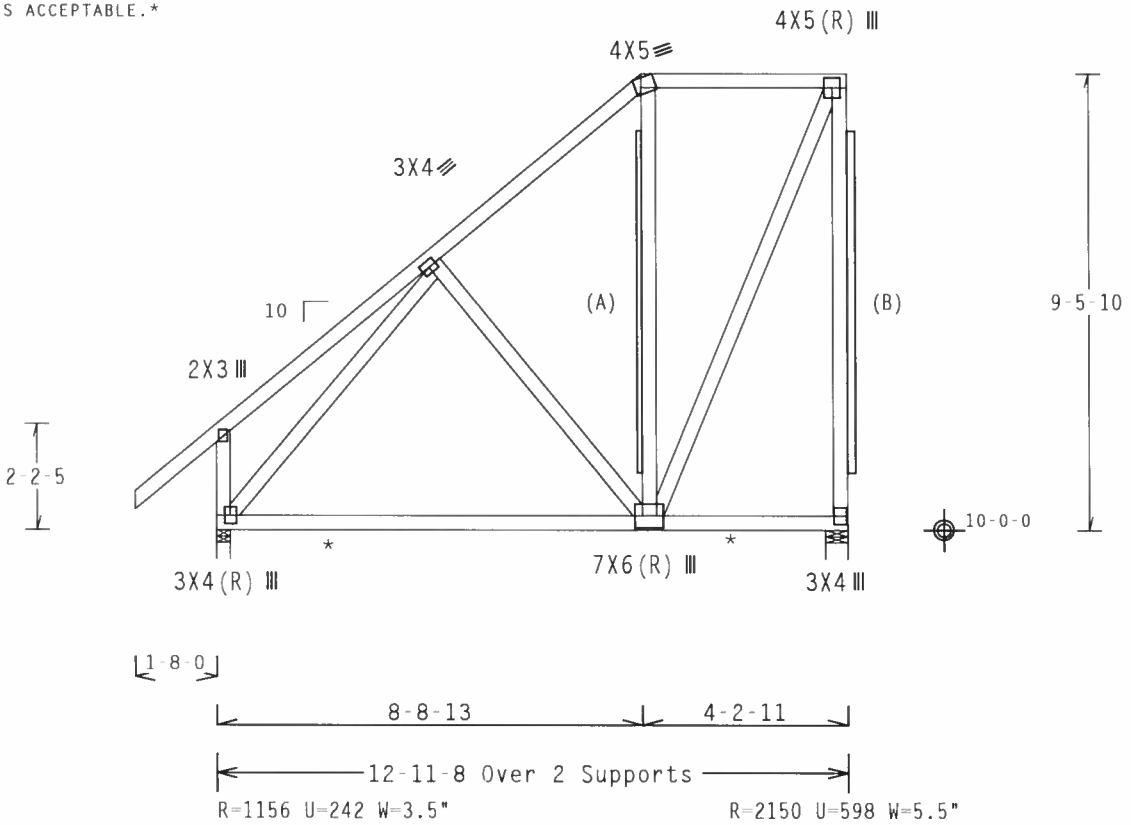
* WIND ON TRUSS RUN AS CLOSED IN INDICATED AREA BUILDING DESIGNER OR ENGINEER OF RECORD TO DETERMINE IF THIS IS ACCEPTABLE.*

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at -1.67 to 66 PLF at 8.73
TC - From 66 PLF at 8.73 to 66 PLF at 12.96
BC - From 5 PLF at -1.67 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 12.96
TC - 214 LB Conc. Load at 8.80, 10.80, 12.80
BC - 1002 LB Conc. Load at 8.73
BC - 214 LB Conc. Load at 10.80, 12.80

(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.

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)/10(0) 7.36.0424 1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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JAMES F. COLLINS JR LICENSE No 52512 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF R8228- 81192
TC DL	10.0 PSF	DATE 07/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07197063
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 1806
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T938228Z01

(7-140B- Isaac Construction Jeremy Cady -- , ** - C4)

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

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Bottom chord checked for 20.00 psf non-concurrent live load.

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

110 mph wind, 15.14 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

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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

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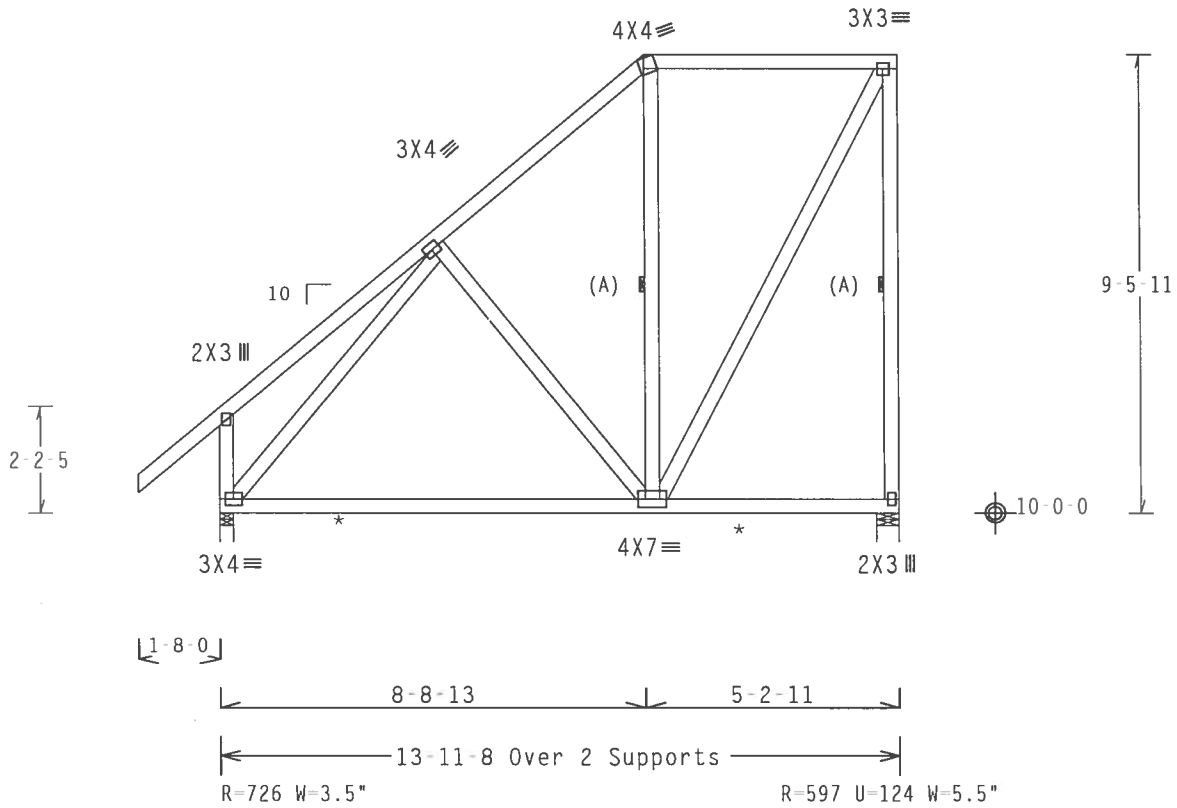

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:6 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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JAMES F. COLLINS LICENSE No. 62272 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16,2007

TC LL	20.0 PSF	REF	R8228- 81193
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197093
BC LL	0.0 PSF		HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	1827
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** C2)

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

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Bottom chord checked for 20.00 psf non-concurrent live load.

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

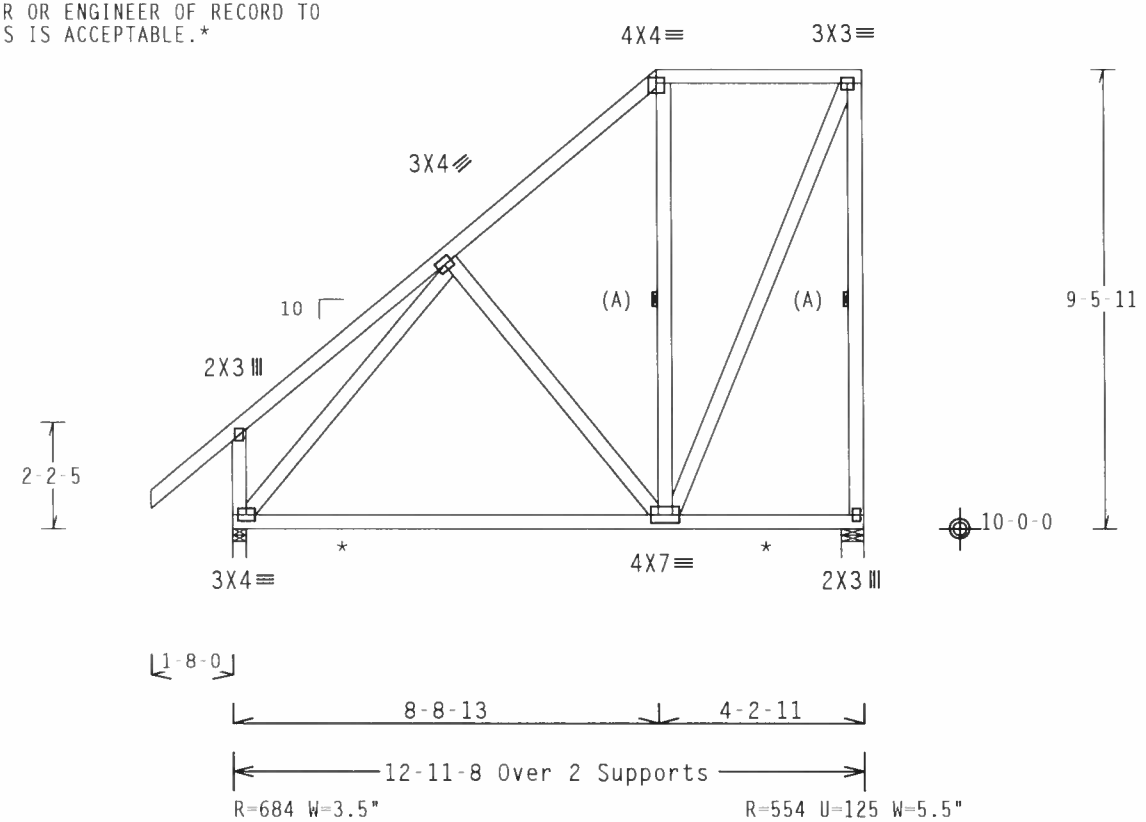
* WIND ON TRUSS RUN AS CLOSED IN INDICATED AREA BUILDING DESIGNER OR ENGINEER OF RECORD TO DETERMINE IF THIS IS ACCEPTABLE.*

110 mph wind, 15.14 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

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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)/10(0) 7.36.0424 QTY:3 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 18 '07

TC LL	20.0 PSF	REF	R8228- 81194
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197097
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	1821
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - C3)

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

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

* WIND ON TRUSS RUN AS CLOSED IN INDICATED AREA BUILDING DESIGNER OR ENGINEER OF RECORD TO DETERMINE IF THIS IS ACCEPTABLE.*

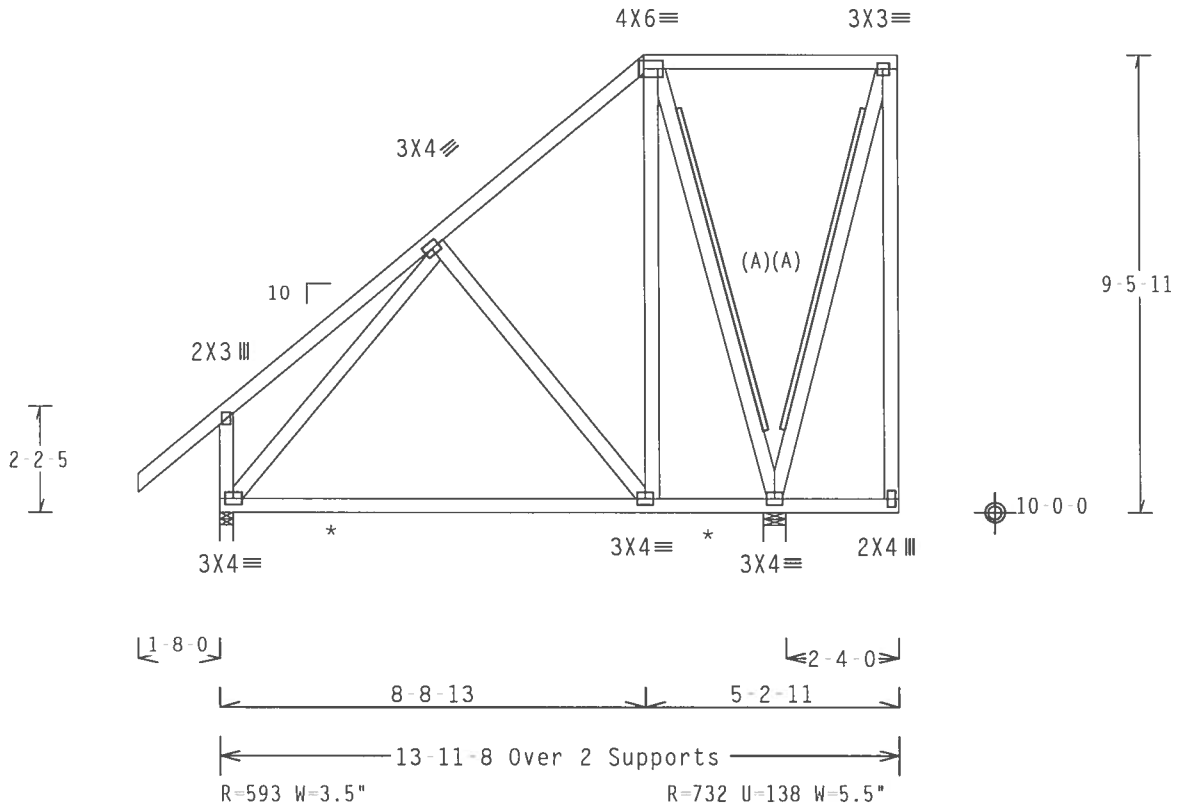
110 mph wind, 15.14 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical 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.

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424 QTY:3 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228- 81195
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197098
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	1823
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** D1)

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

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

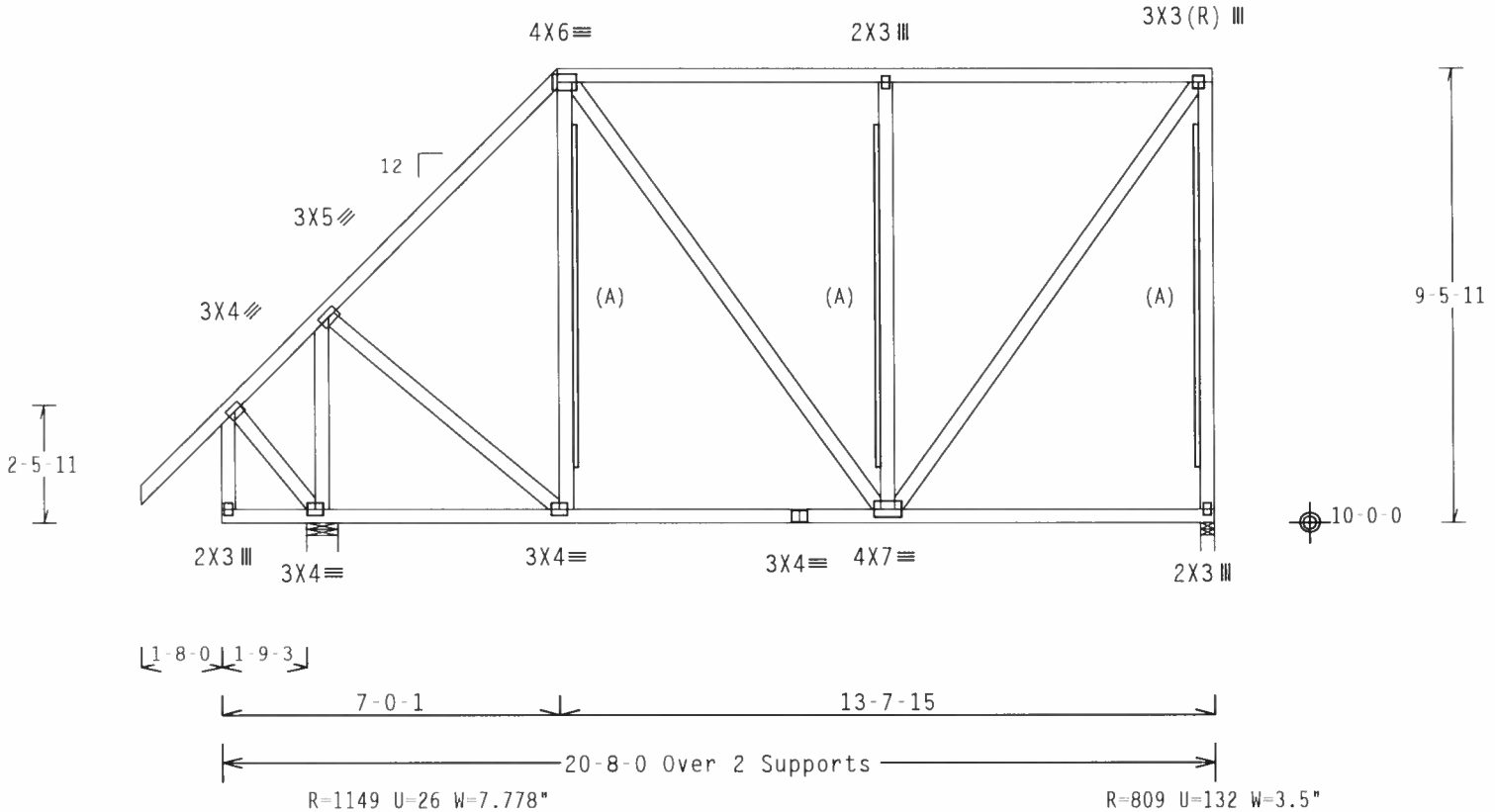
110 mph wind, 15.14 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical 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.

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul

TC LL	20.0 PSF	REF	R8228- 81196
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197074
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1889
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

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

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

(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.

Bottom chord checked for 20.00 psf non-concurrent live load.

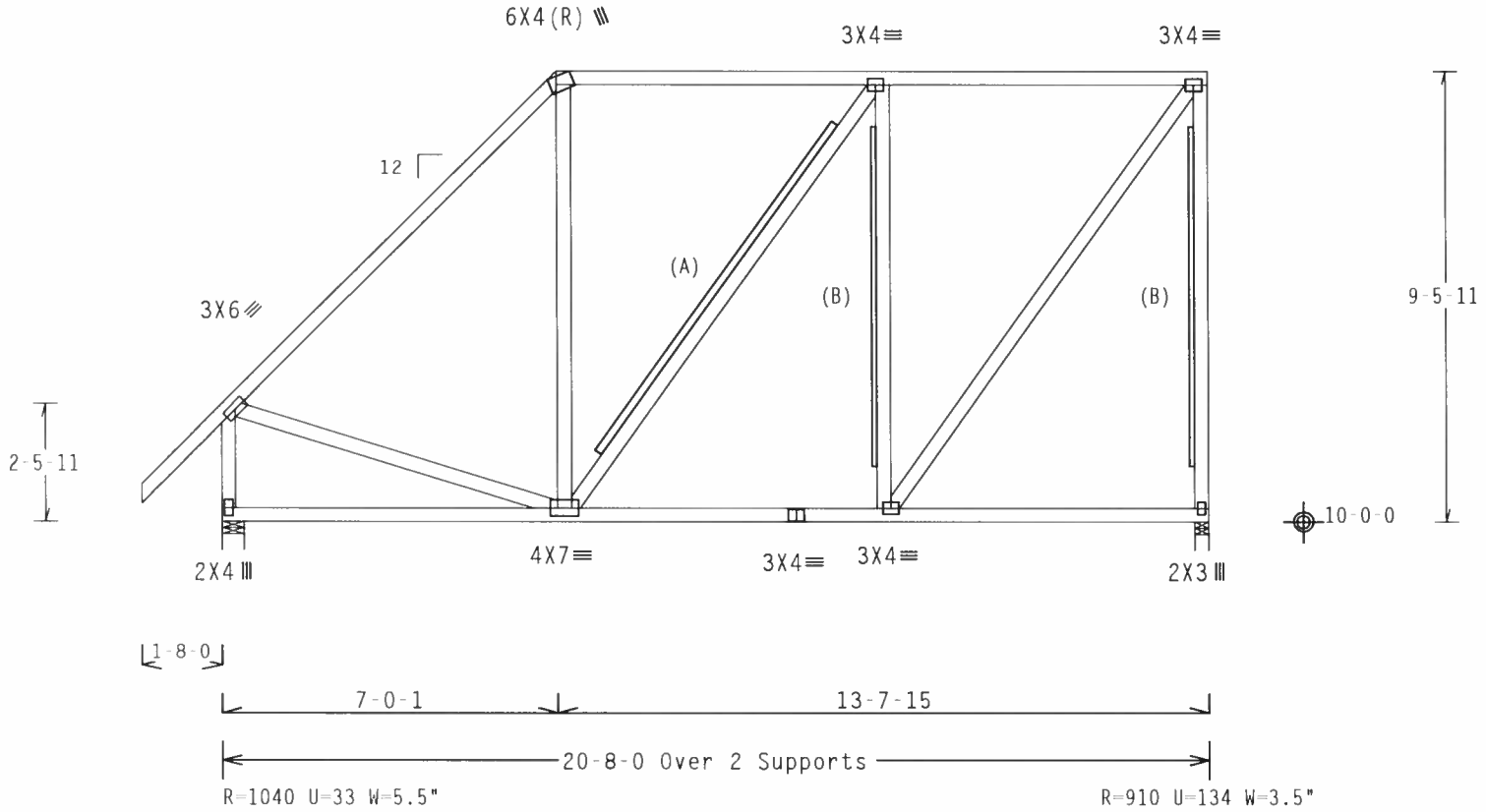
110 mph wind, 15.14 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical 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.

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)/10(0) | 7.36.0424.13 | QTY:1 | FL/-/4/-/-/R/- | Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16,07

TC LL	20.0 PSF	REF	R8228- 81197
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197079
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1894
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** D5)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W9 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Bottom chord checked for 20.00 psf non-concurrent live load.

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

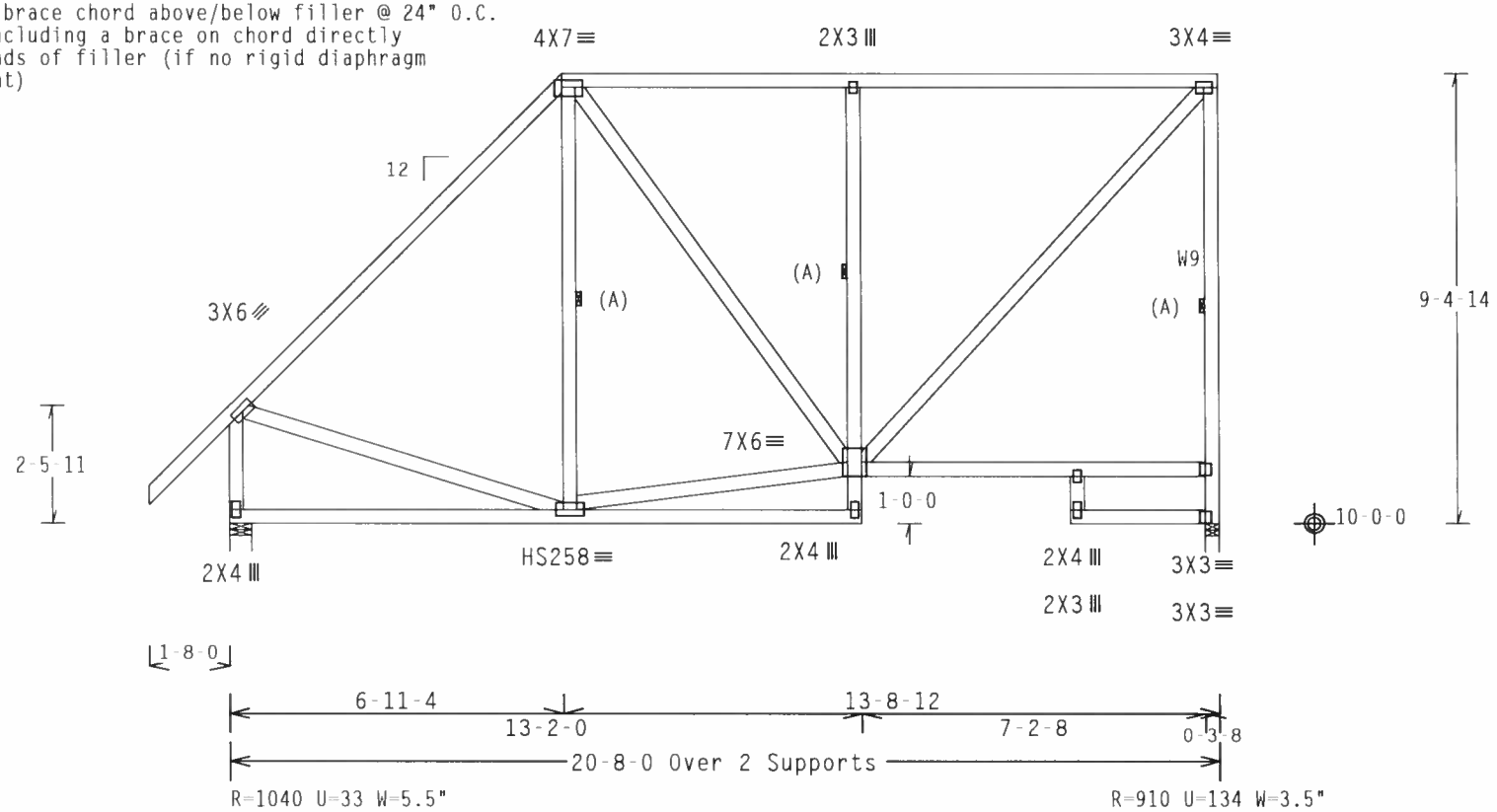
See detail BCFILLER0207, TCFILLER0207 and REPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.11 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

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52214 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228- 81198
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197082
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1945
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** D6)

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

Wind reactions based on MWFRS pressures.

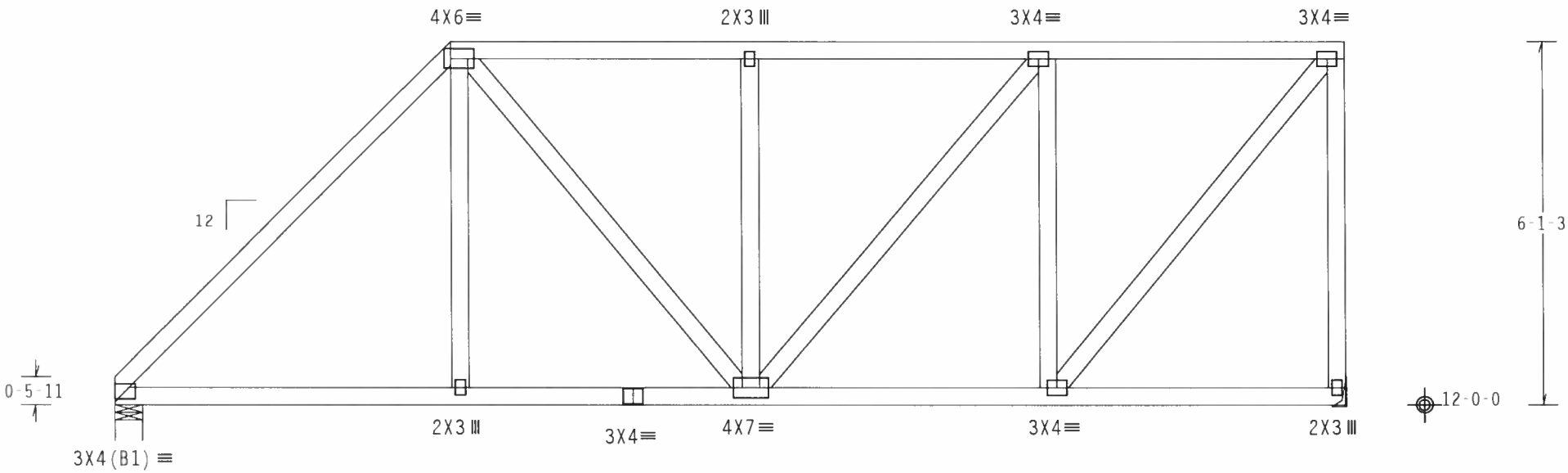
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.28 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

Right end vertical not exposed to wind pressure.

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424 10 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

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Haines City, FL 33844
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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16,2007

TC LL	20.0 PSF	REF	R8228- 81199
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197086
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1951
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 1408 Isaac Construction Jeremy Cady , ** D4)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W9 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Bottom chord checked for 20.00 psf non-concurrent live load.

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

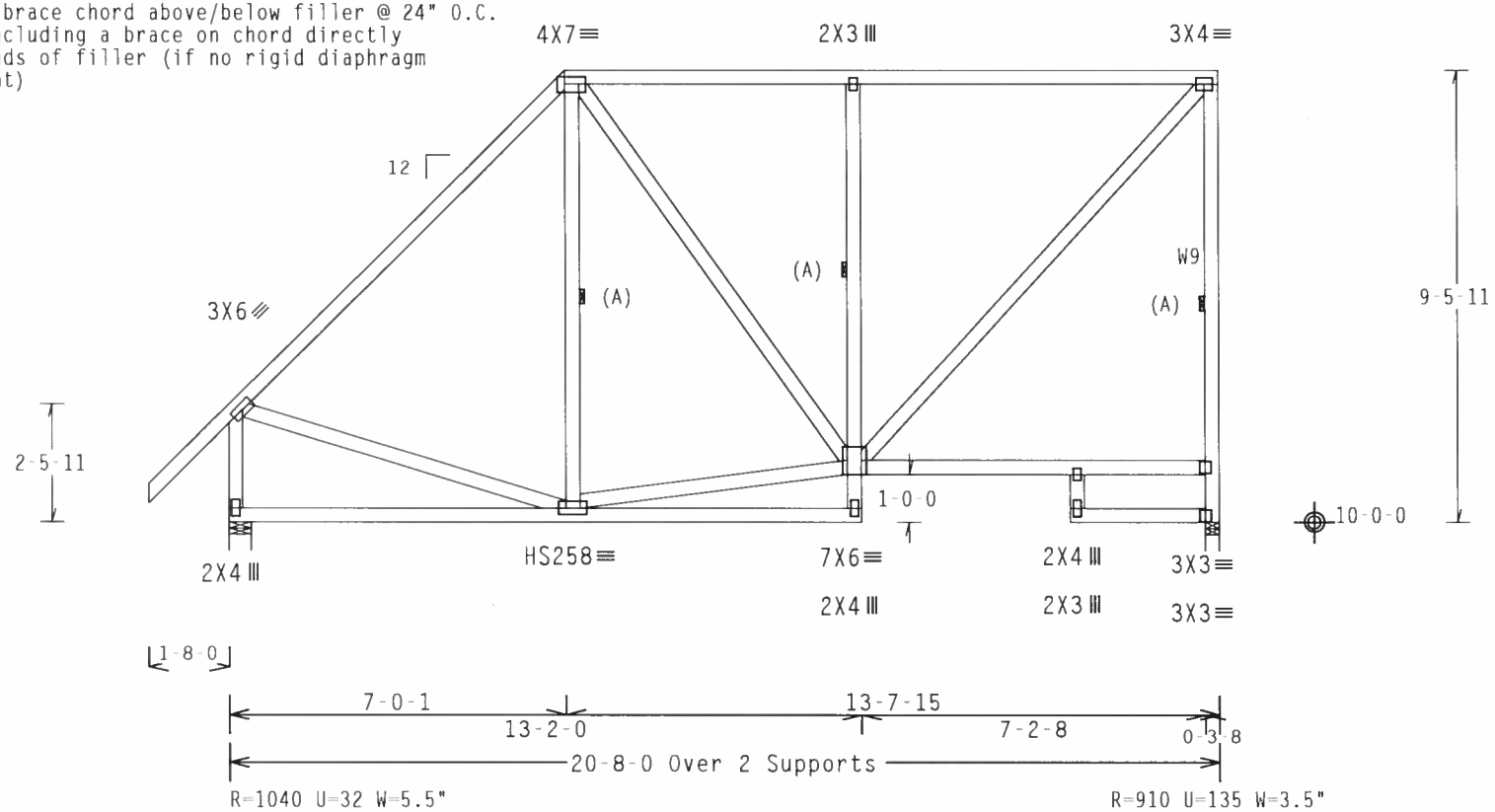
See detail BCFILLER0207, TCFILLER0207 and REPBCFIL for filler details. Laterally brace chord above/below filler @ 24" O.C. (or as designed) including a brace on chord directly above/below both ends of filler (if no rigid diaphragm exists at that point)

110 mph wind, 15.14 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

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

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



Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16 '07

TC LL	20.0 PSF	REF	R8228- 81200
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197090
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1909
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - D3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W3 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 20.00 psf non-concurrent live load.

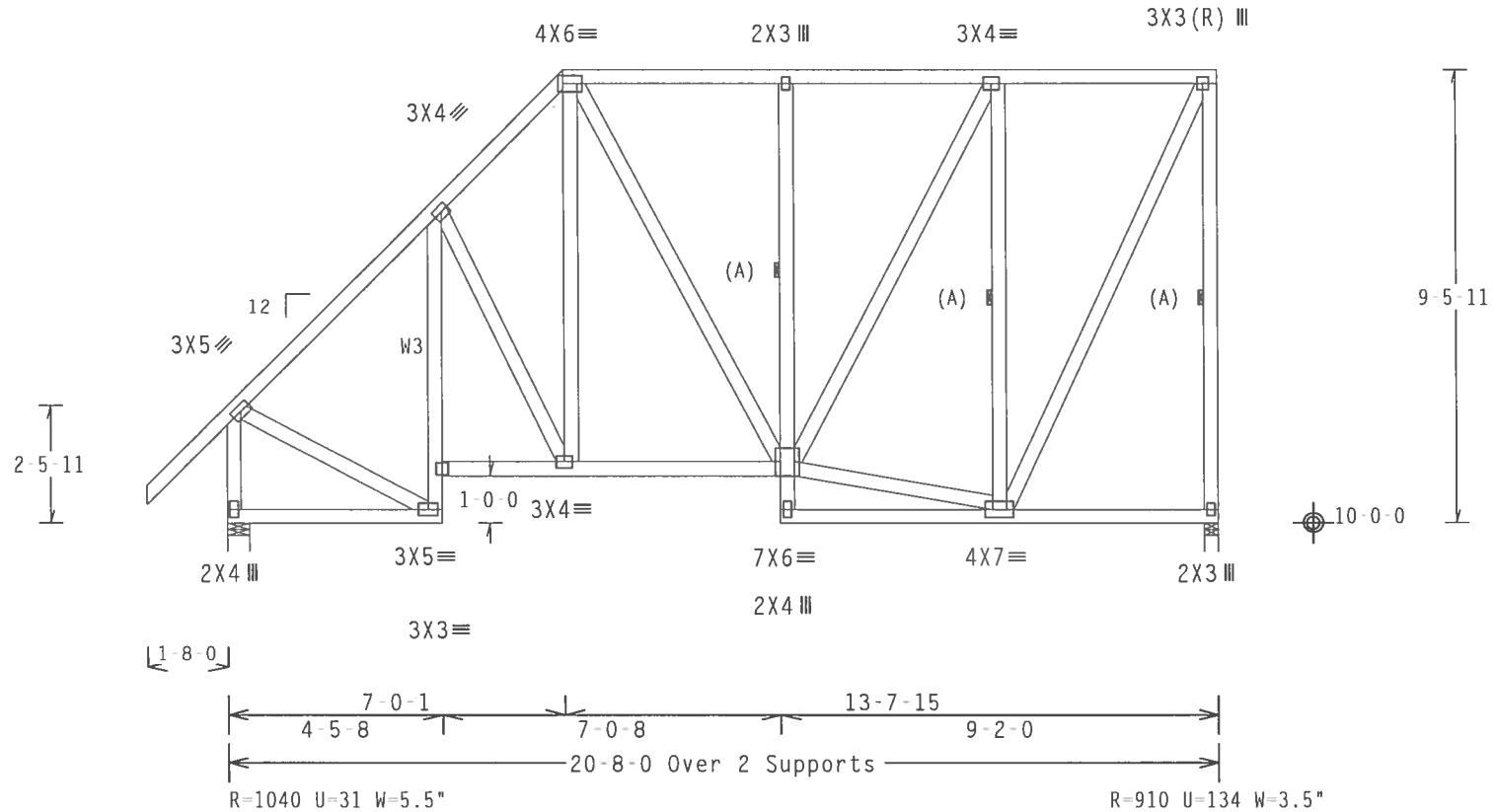
110 mph wind, 15.14 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

Calculated horizontal deflection is 0.09" due to live load and 0.16" due to dead load.

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.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.10 QTY:4 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul

TC LL	20.0 PSF	REF R8228-81201
TC DL	10.0 PSF	DATE 07/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07197092
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 1902
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** HJR2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W3 2x4 SP #2 Dense:

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.

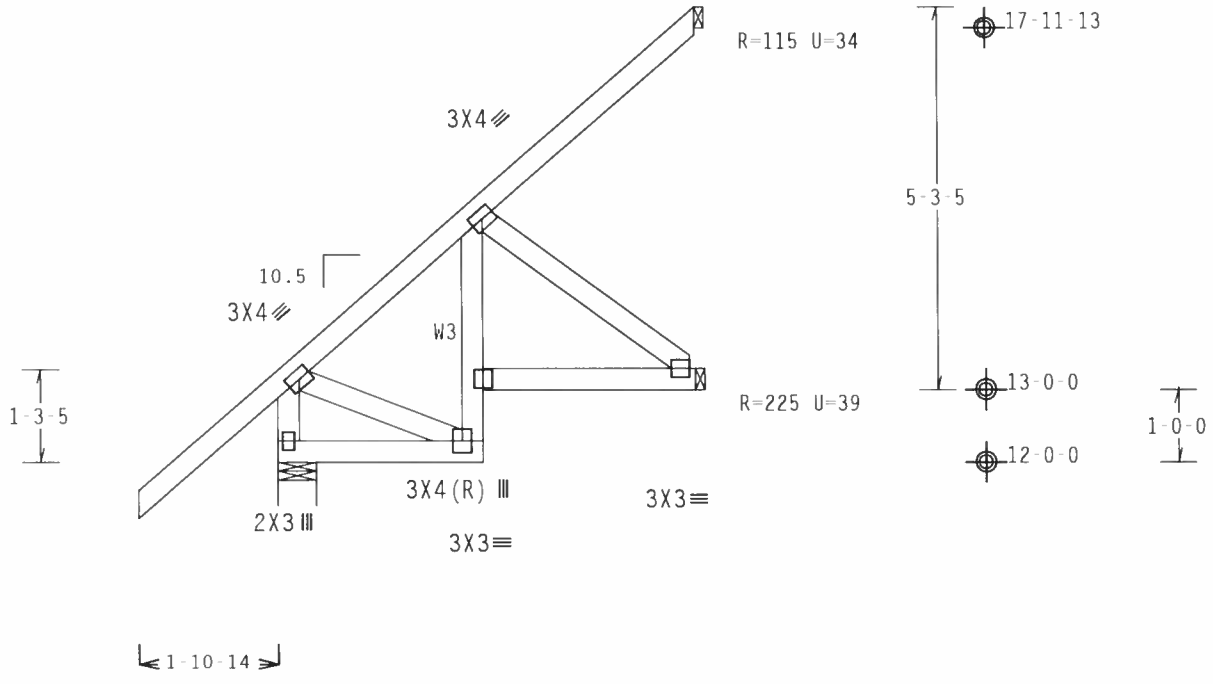
Bottom chord checked for 20.00 psf non-concurrent live load.

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

TC	From	67 PLF	at	-1.91	to	67 PLF	at 5.72
BC	From	5 PLF	at	-1.91	to	5 PLF	at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF	at 2.81
BC	From	20 PLF	at	2.81	to	20 PLF	at 5.72

TC - -9 LB Conc. Load at 2.13
TC - 105 LB Conc. Load at 3.56
BC - 62 LB Conc. Load at 2.13
BC - 48 LB Conc. Load at 3.56

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)/10(0) 7.36.0424.12 QTY:2 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
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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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JAMES F. COLLINS, JR. LICENSED No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

TC LL	20.0 PSF	REF	R8228- 81202
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197001
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2036
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** JB2)

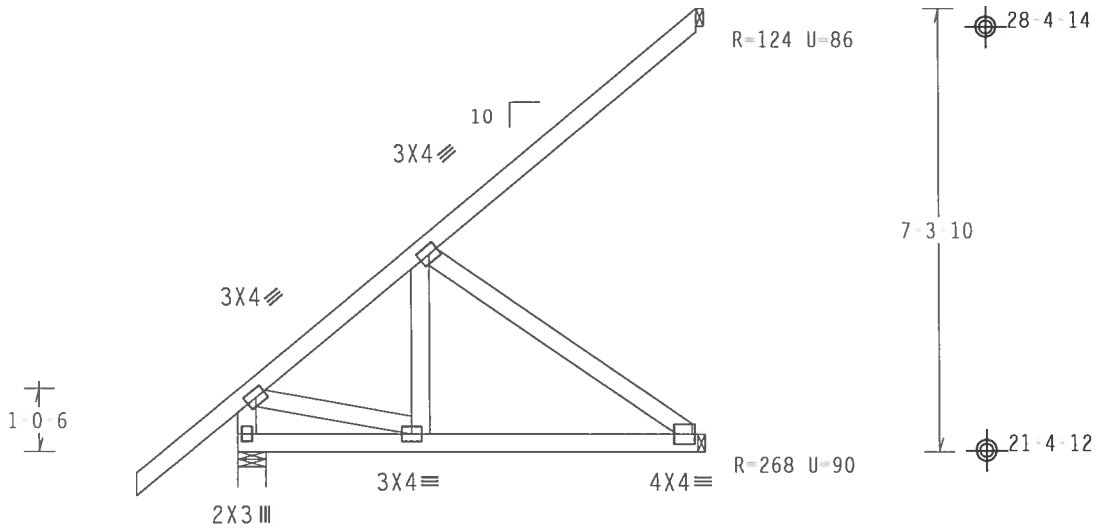
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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, 24.87 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

Bottom chord checked for 20.00 psf non-concurrent live load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16-07

TC LL	20.0 PSF	REF	R8228-81203
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197011
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	2620
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - JB1)

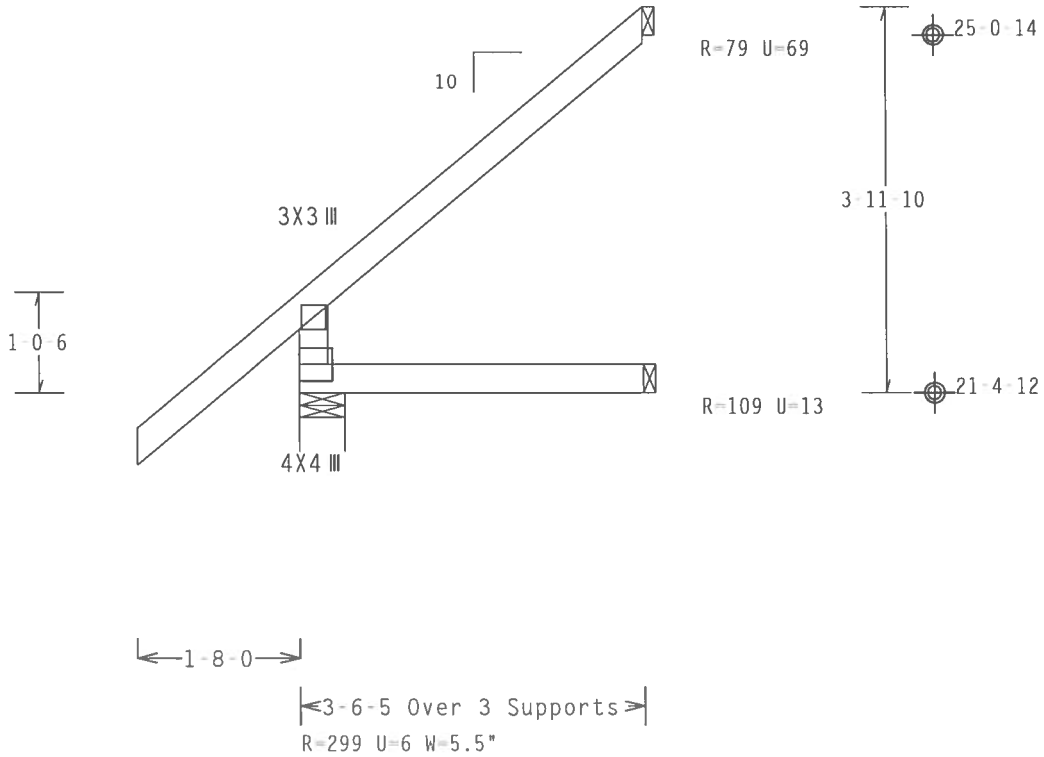
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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, 23.20 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

Bottom chord checked for 20.00 psf non-concurrent live load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 62212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228-81204
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197012
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	2615
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady , ** EJB)

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

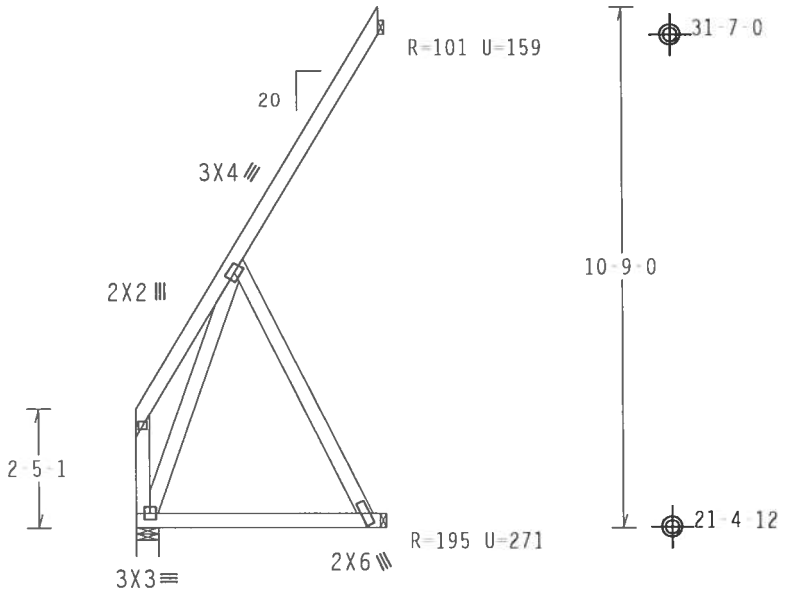
Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

110 mph wind, 27.98 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

Bottom chord checked for 20.00 psf non-concurrent live load.

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



5-0-0 Over 3 Supports
R=247 U=80 W=5.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:4 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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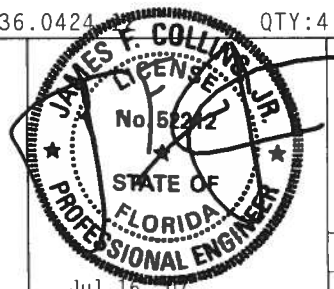


Jul 16 07

TC LL	20.0 PSF	REF R8228-81205
TC DL	10.0 PSF	DATE 07/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07197013
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 2561
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - JB5)

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

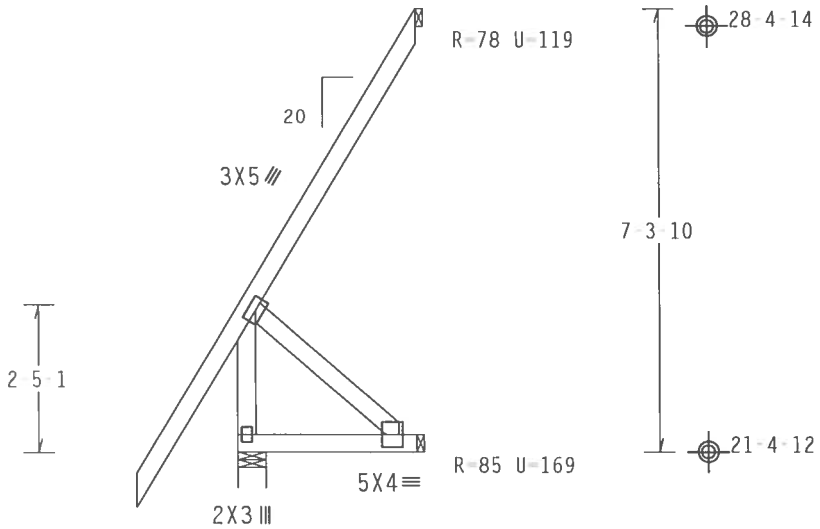
Wind reactions based on MWFRS pressures.

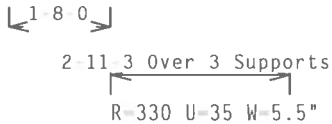
Left end vertical not exposed to wind pressure.

110 mph wind, 24.87 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

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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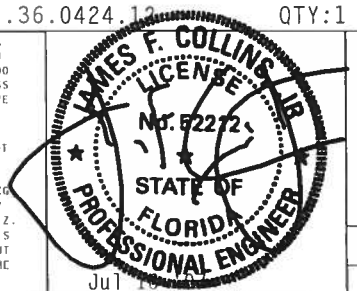


Jul 16 07

TC LL	20.0 PSF	REF	R8228-81206
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197014
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2601
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - JB4)

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

Wind reactions based on MWFRS pressures.

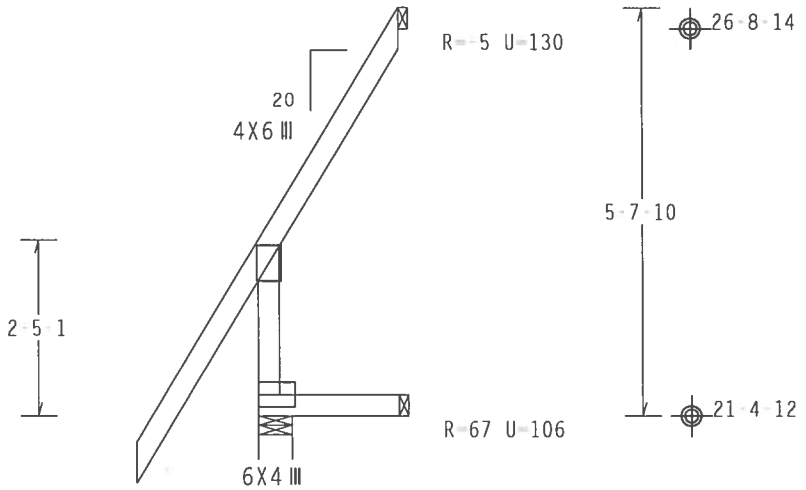
Left end vertical not exposed to wind pressure.

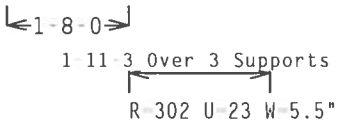
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 24.04 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

Calculated horizontal deflection is 0.69" due to live load and 0.25" due to dead load.

Bottom chord checked for 20.00 psf non concurrent live load.





Design Crit: TPI-2002(STD)/FBC

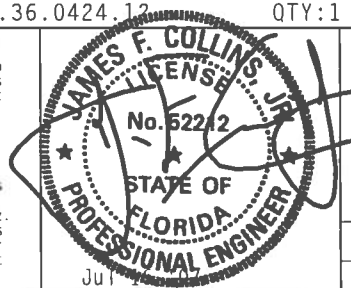
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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 (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.



Jul 16,07

TC LL	20.0 PSF	REF	R8228-81207
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197015
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2605
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady , ** JB3)

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

Wind reactions based on MWFRS pressures.

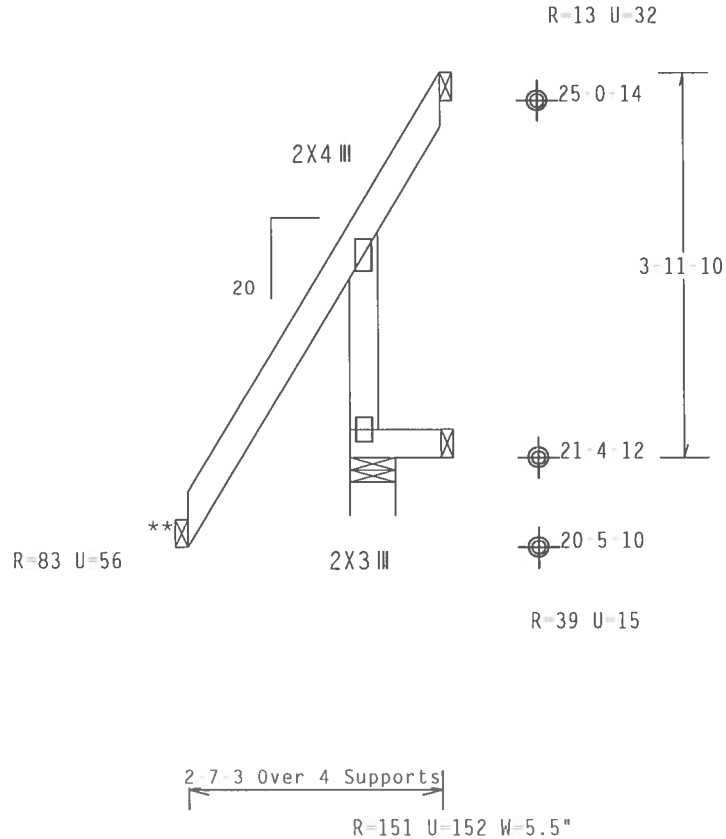
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

** FASCIA BEAM DESIGNED AND FURNISHED BY OTHERS. PROVIDE CONNECTION FOR REACTIONS SHOWN.

110 mph wind, 23.20 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

Bottom chord checked for 20.00 psf non-concurrent live load.

Shim all supports to solid bearing.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52210 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81208
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197017
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2612
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady -- , ** - JB6)

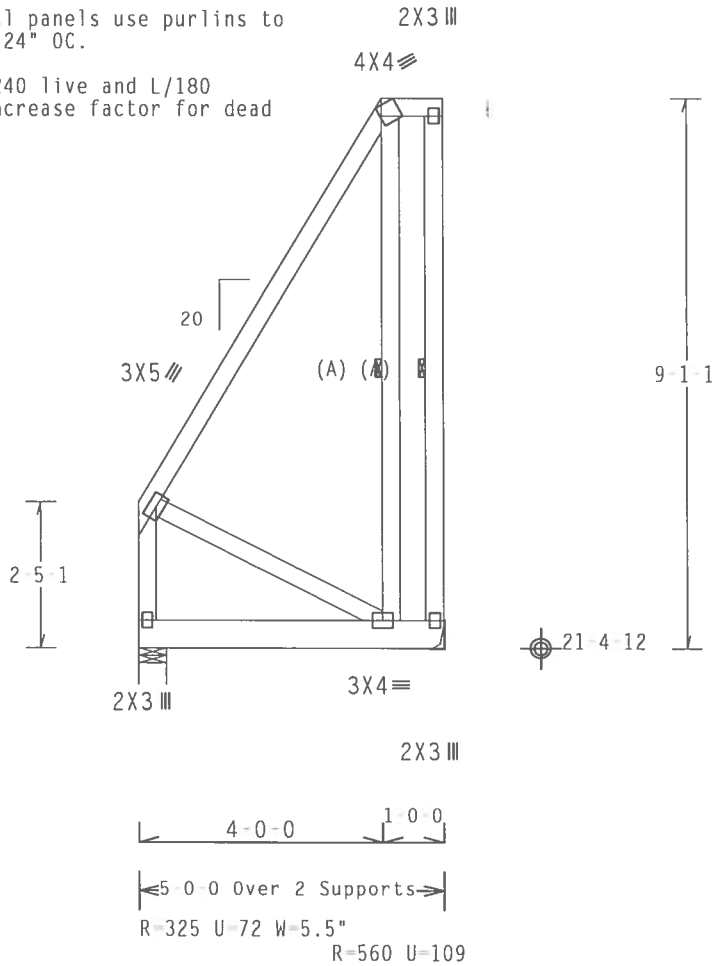
Top chord 2x4 SP #2 Dense
Bot chord 2x6 SP #2
Webs 2x4 SP #3

110 mph wind, 27.15 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.

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 79 PLF at 0.00 to 79 PLF at 4.00
TC - From 79 PLF at 4.00 to 79 PLF at 5.00
BC - From 20 PLF at 0.00 to 20 PLF at 5.00
BC - 391 LB Conc. Load at 4.00

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 20.00 psf non-concurrent live load.

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16,07

TC LL	20.0 PSF	REF	R8228- 81209
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197021
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2643
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** JS7)

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

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.21" due to live load and 0.47" due to dead load.

Bottom chord checked for 20.00 psf non-concurrent live load.

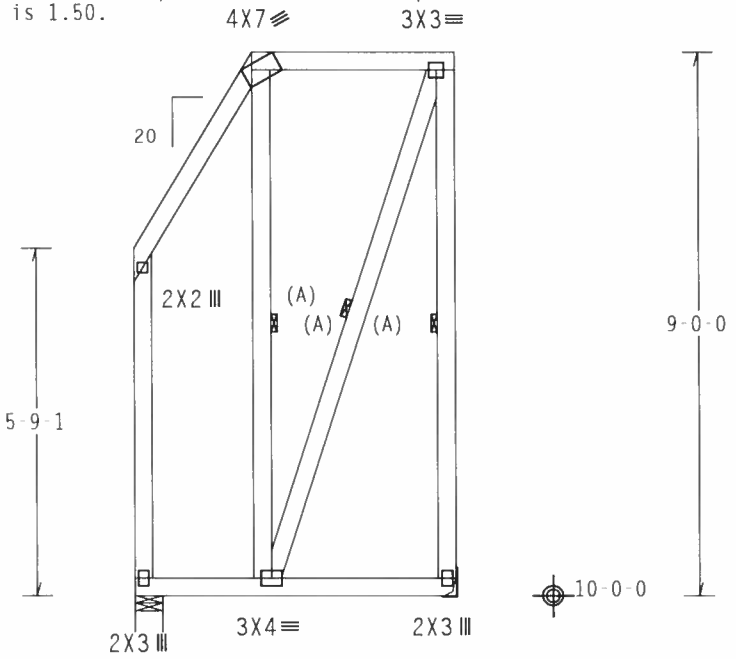
Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.50.

110 mph wind, 17.38 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) Continuous lateral bracing equally spaced on member.

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)/10(0) 7.36.0424.13 QTY:4 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16,2007

TC LL	20.0 PSF	REF	R8228- 81210
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197027
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1644
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady . ** JR4)

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

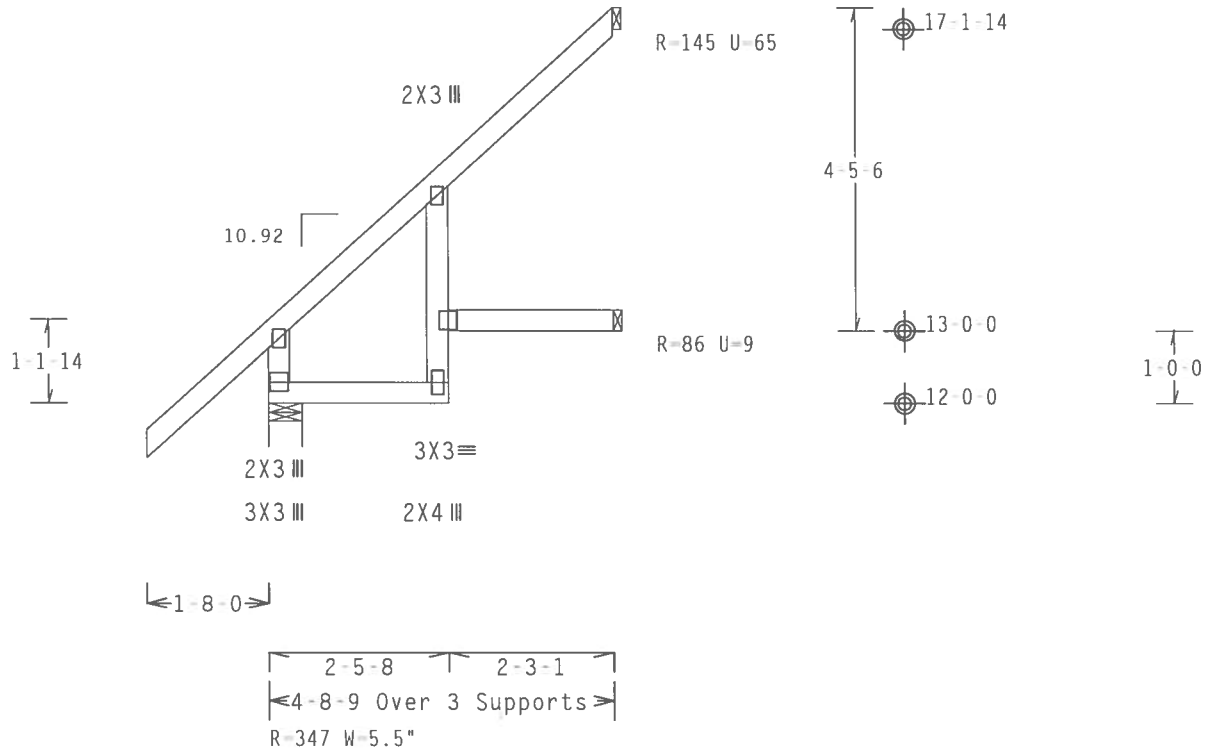
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 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

Bottom chord checked for 20.00 psf non-concurrent live load.

Fasten rated sheathing to one face of this frame.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:2 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81211
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197033
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2021
DUR.FAC.	1.25		
SPACING	24.0"	JRFF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - JR1)

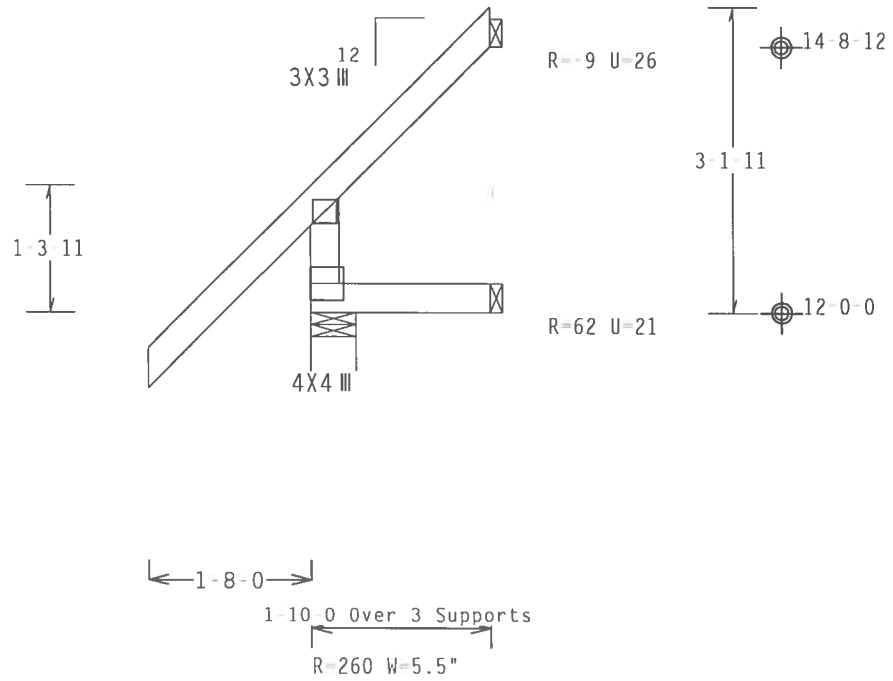
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense

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, 15.00 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

Bottom chord checked for 20.00 psf non-concurrent live load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ju

TC LL	20.0 PSF	REF	R8228-81212
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197034
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	2028
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady -- , ** - JR2)

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

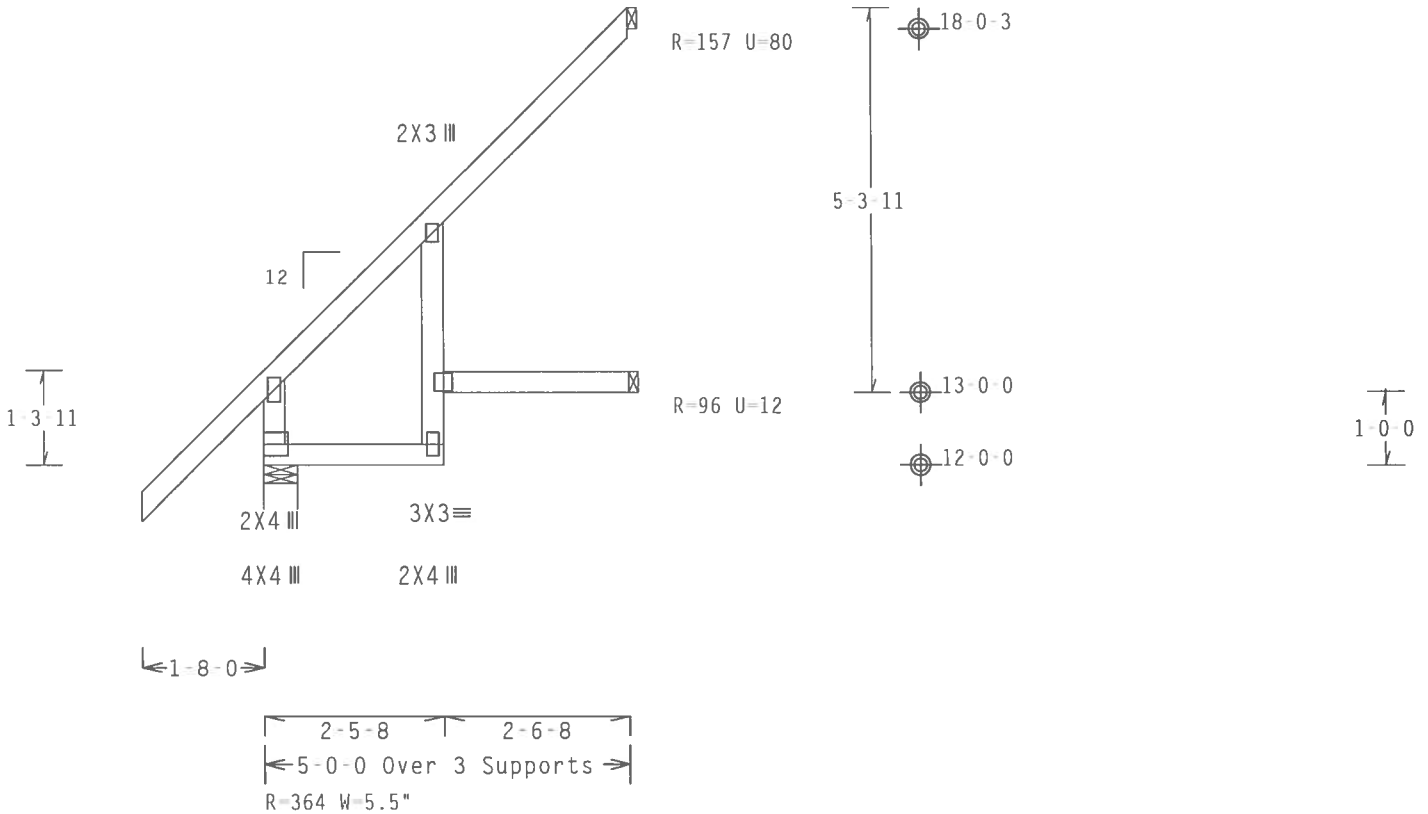
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 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

Bottom chord checked for 20.00 psf non concurrent live load.

Fasten rated sheathing to one face of this frame.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:3 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ju

TC LL	20.0 PSF	REF	R8228- 81213
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197035
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2031
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - HJS)

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

110 mph wind, 15.33 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.

Left end vertical not exposed to wind pressure.

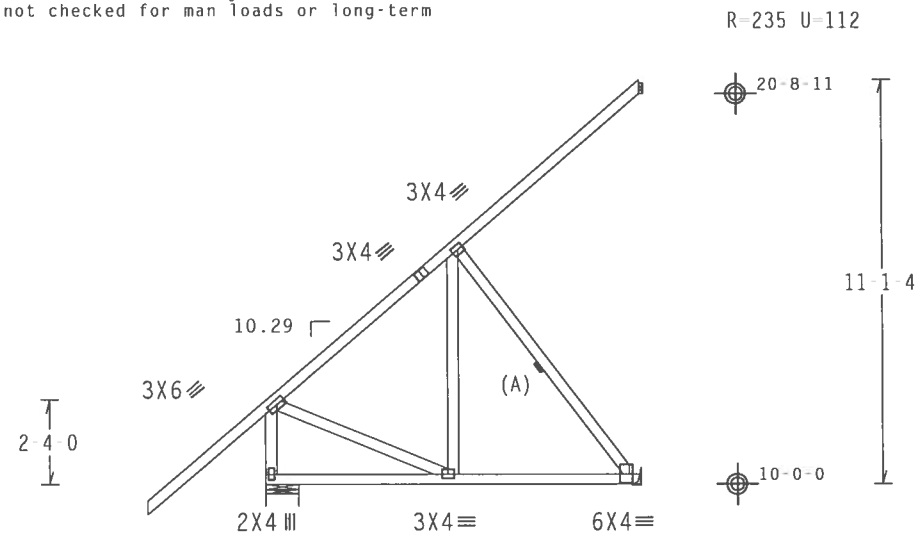
(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 20.00 psf non-concurrent live load.

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

Top chord overhangs have been checked only for loads as indicates. Overhangs not checked for man loads or long-term deflection.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at -3.24 to 66 PLF at 10.23
BC - From 5 PLF at -3.24 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 10.23
TC - 48 LB Conc. Load at 2.01
TC - -2 LB Conc. Load at 3.31
TC - 106 LB Conc. Load at 5.64
TC - 185 LB Conc. Load at 5.90
TC - 152 LB Conc. Load at 7.97
BC - 88 LB Conc. Load at 2.01, 5.64
BC - 44 LB Conc. Load at 3.31
BC - 187 LB Conc. Load at 5.90
BC - 125 LB Conc. Load at 7.97
BC - 419 LB Conc. Load at 9.79



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:2 FL/-/4/-/-/R/- Scale =.1875"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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.

JAMES F. COLLINS LICENSE NO. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul

TC LL	20.0 PSF	REF	R8228- 81214
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197036
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1669
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady , ** JS5)

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

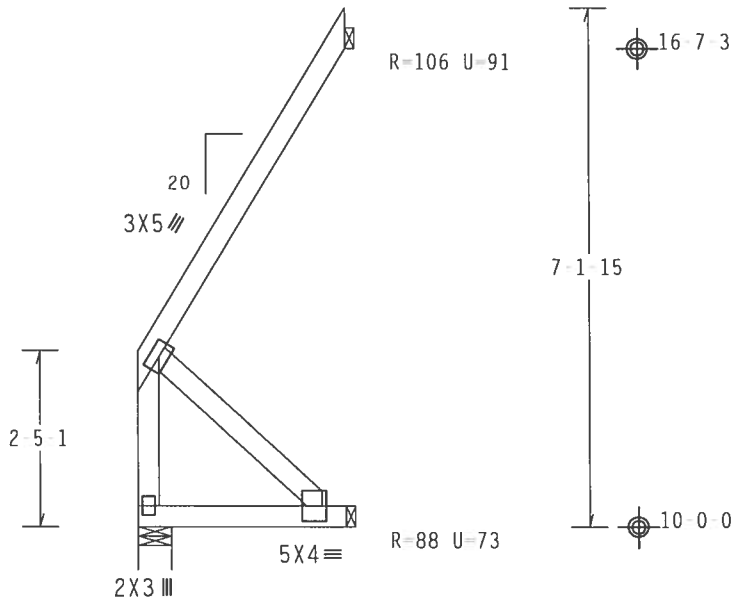
Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

Bottom chord checked for 20.00 psf non-concurrent live load.

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



2 10 3 Over 3 Supports
R=141 U=53 W=5.5"

Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.13 QTY:2 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52214 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 10,07

TC LL	20.0 PSF	REF	R8228-81215
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197042
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1606
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady , ** JS4)

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

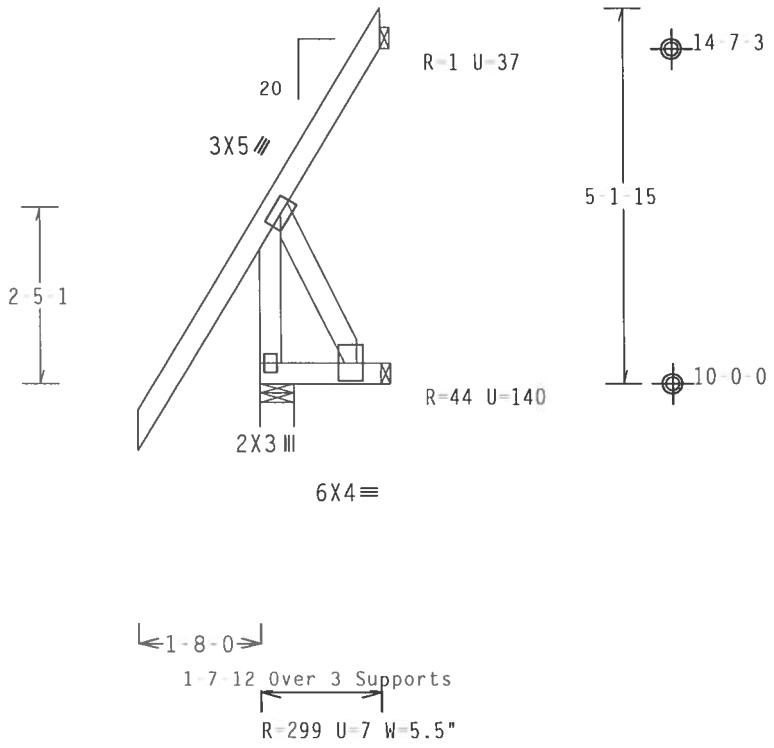
Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

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

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424.12 QTY:2 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, PE LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul

TC LL	20.0 PSF	REF	R8228-81216
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197043
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1603
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- . ** - JS1)

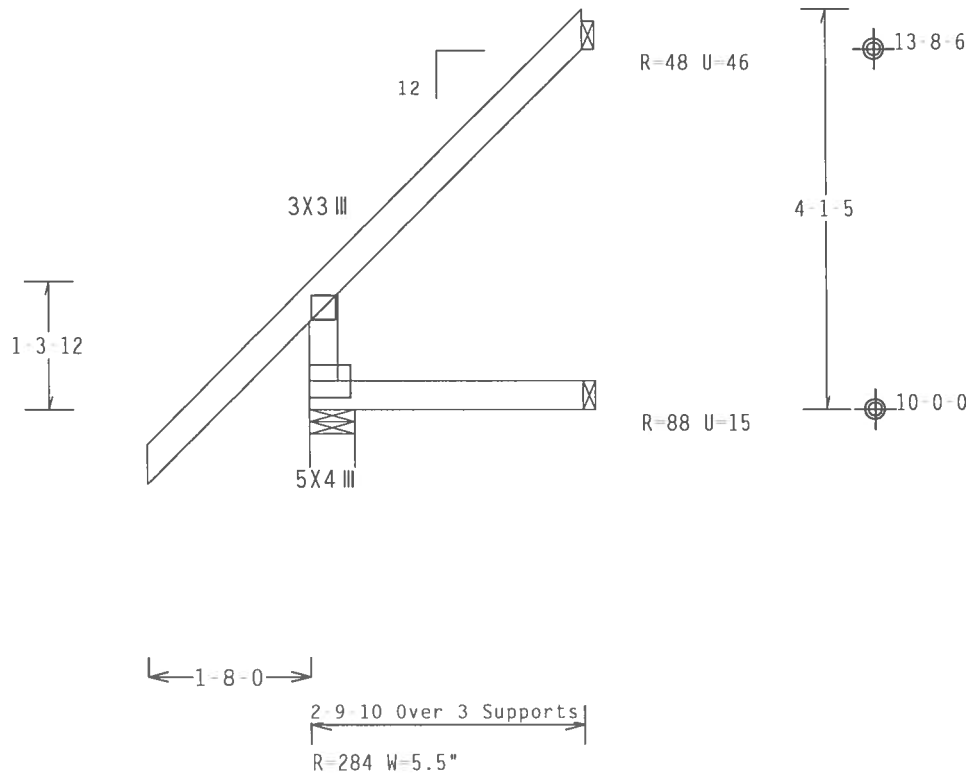
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense

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, 15.00 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

Bottom chord checked for 20.00 psf non-concurrent live load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 1[illegible] QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52272 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16 [illegible]

TC LL	20.0 PSF	REF	R8228-81217
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197048
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN	1599
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7-140B Isaac Construction Jeremy Cady , ** JR5)

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

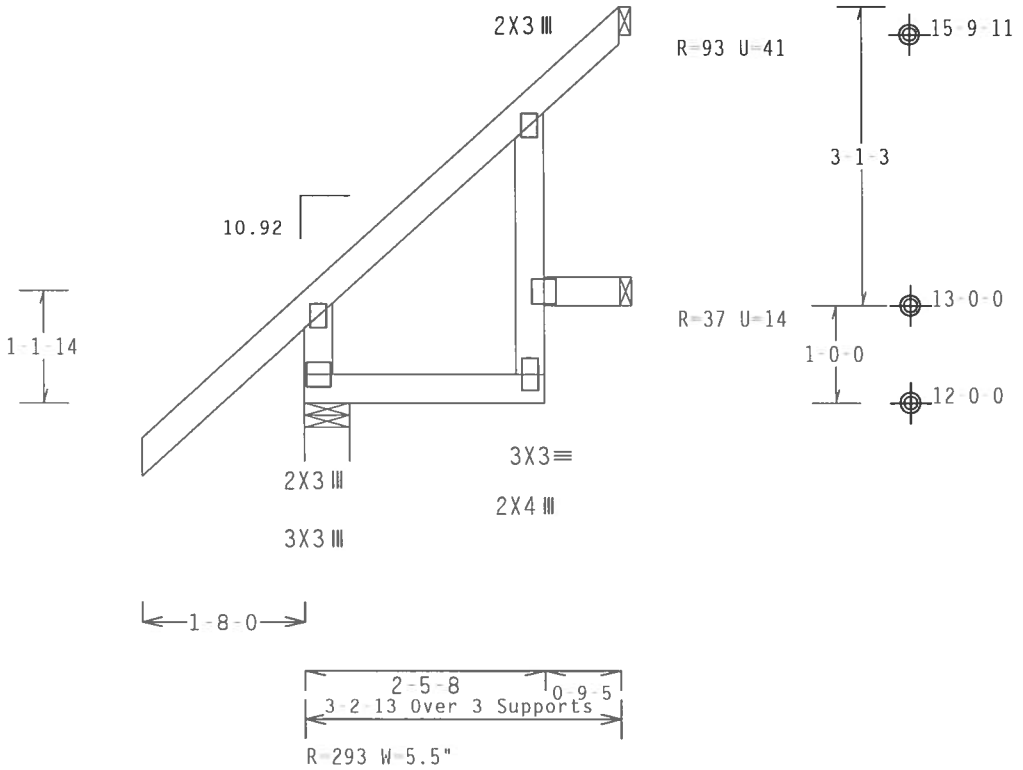
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 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

Bottom chord checked for 20.00 psf non-concurrent live load.

Fasten rated sheathing to one face of this frame.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.10 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 62217 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 10 07

TC LL	20.0 PSF	REF	R8228-81218
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197049
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN	2017
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady -- , ** - JS2)

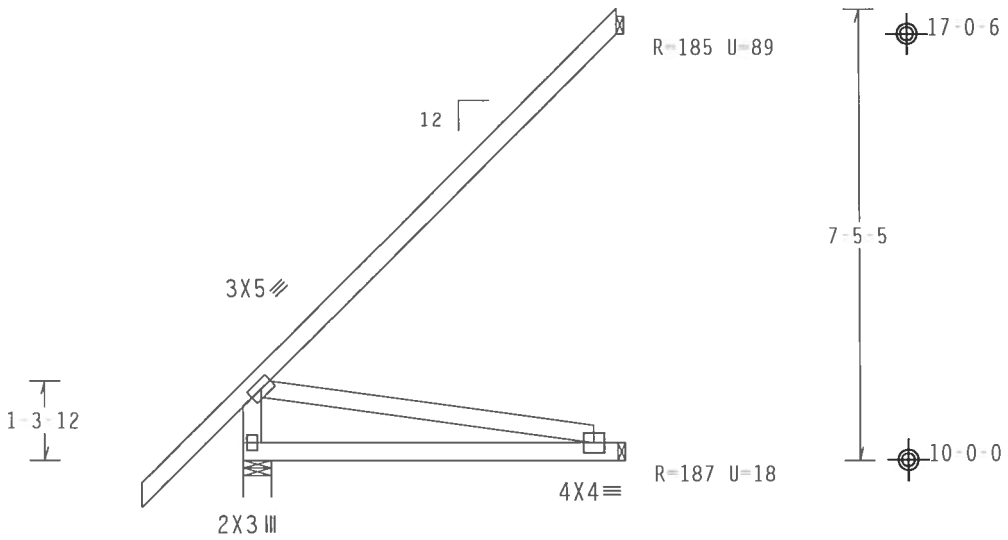
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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, 15.00 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

Bottom chord checked for 20.00 psf non-concurrent live load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave | Cq/RT=1.00(1.25)/10(0) 7.36.0424 | QTY:2 | FL/-/4/-/-/R/- | Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16 '07

TC LL	20.0 PSF	REF	R8228- 81219
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197050
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	1596
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady -- , ** - EJK)

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

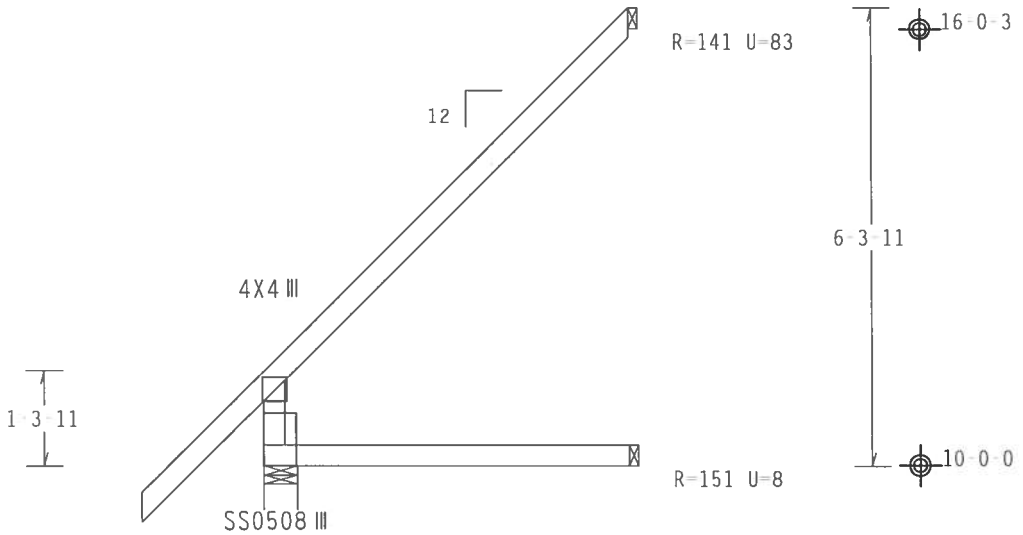
Wind reactions based on MWFRS pressures.

Bottom chord checked for 20.00 psf non-concurrent live load.

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

Truss plate sizes beginning with SS are 18 gauge Super Strength plates.

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. 18 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 Ju QTY:4 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ju 10-08

TC LL	20.0 PSF	REF	R8228-81220
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197051
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN	1954
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** JS3)

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

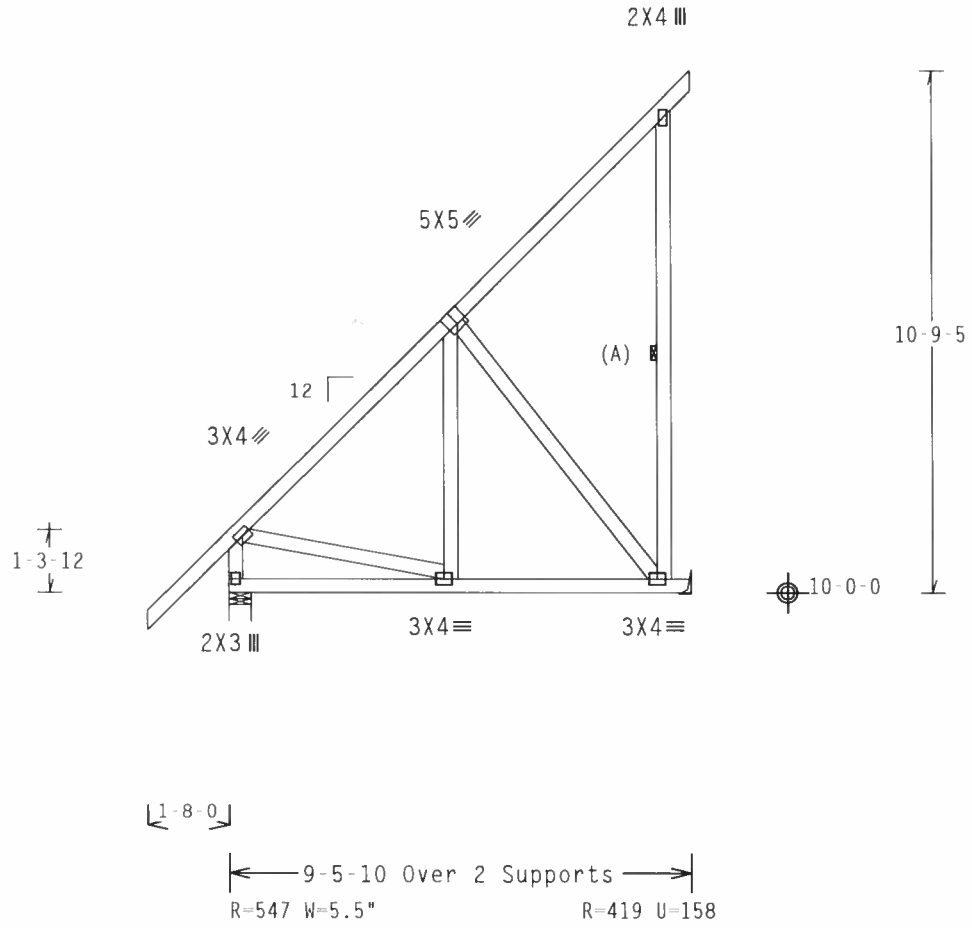
Wind reactions based on MWFRS pressures.

Bottom chord checked for 20.00 psf non-concurrent live load.

110 mph wind, 15.21 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

(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.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.042 E2 QTY:2 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228- 81221
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197055
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	1592
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

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

Wind reactions based on MWFRS pressures.

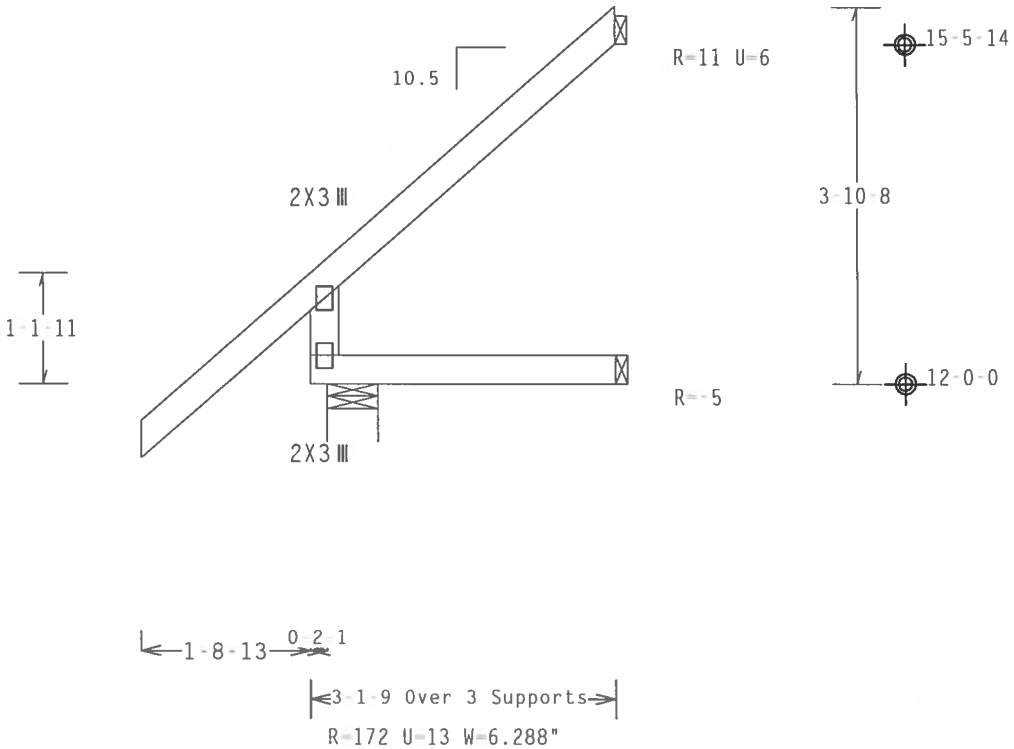
Sub-fascia beam assumptions: 3-5-4 sub-fascia beam on the 0-1-7 cantilever side. 3-5-4 sub-fascia beam on the 0-1-7 cantilever side.

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

The following trusses need concentrated loads at the end of their overhangs: 2-2-9 span/setback member on the 0-1-7 cant side requires 18 lbs and the 2-2-9 span/setback member on the 0-1-7 cant side requires 18 lbs.

Hipjack supports 2-2-9 setback jacks with 0-1-7 cantilever one face; 0-1-7 cantilever opposite face.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 562

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JAMES F. COLLINS JR. LICENSE No. 52112 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228- 81222
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197056
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2040
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady , ** JK3)

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

Wind reactions based on MWFRS pressures.

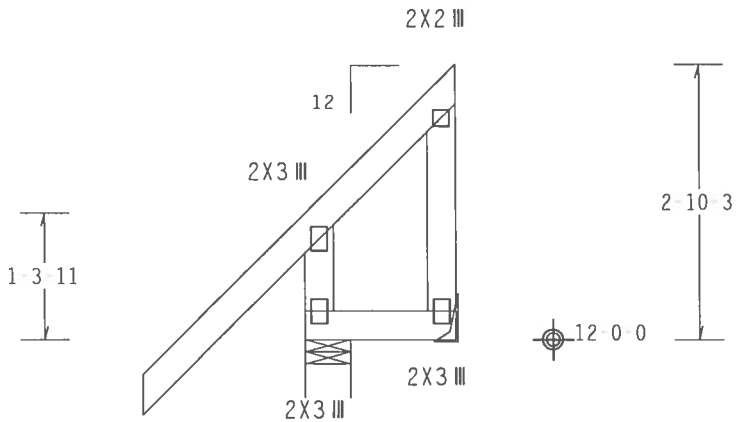
Bottom chord checked for 20.00 psf non-concurrent live load.

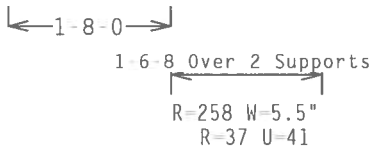
Fasten rated sheathing to one face of this frame.

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

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)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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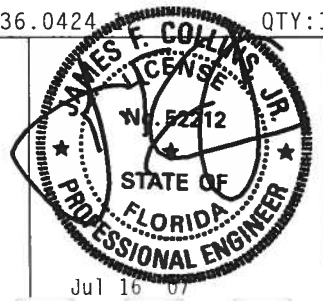


Jul 16 07

TC LL	20.0 PSF	REF	R8228-81223
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197057
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN	2074
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - JR3)

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

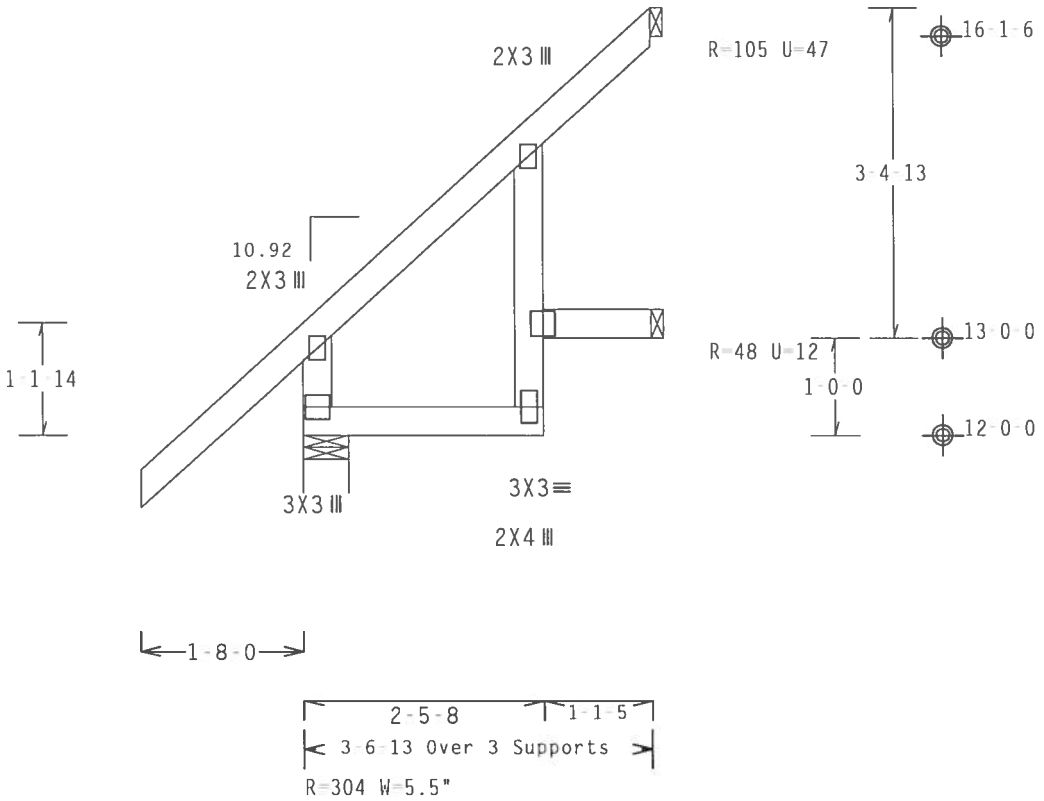
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 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

Bottom chord checked for 20.00 psf non-concurrent live load.

Fasten rated sheathing to one face of this frame.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.13 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81224
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197062
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2024
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady -- , ** JK1)

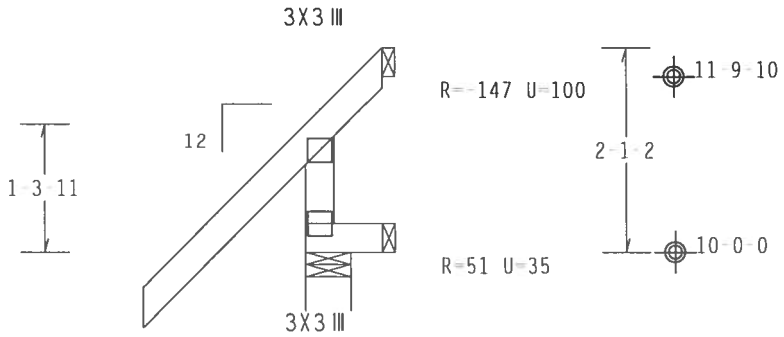
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense

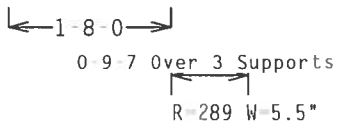
Wind reactions based on MWFRS pressures.

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

110 mph wind, 15.00 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

Bottom chord checked for 20.00 psf non-concurrent live load.





Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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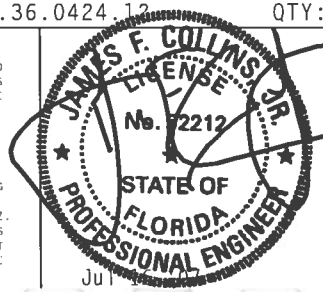


Jul

TC LL	20.0 PSF	REF	R8228-81225
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197066
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1964
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B--Isaac Construction Jeremy Cady -- , ** - HJK1)

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

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.

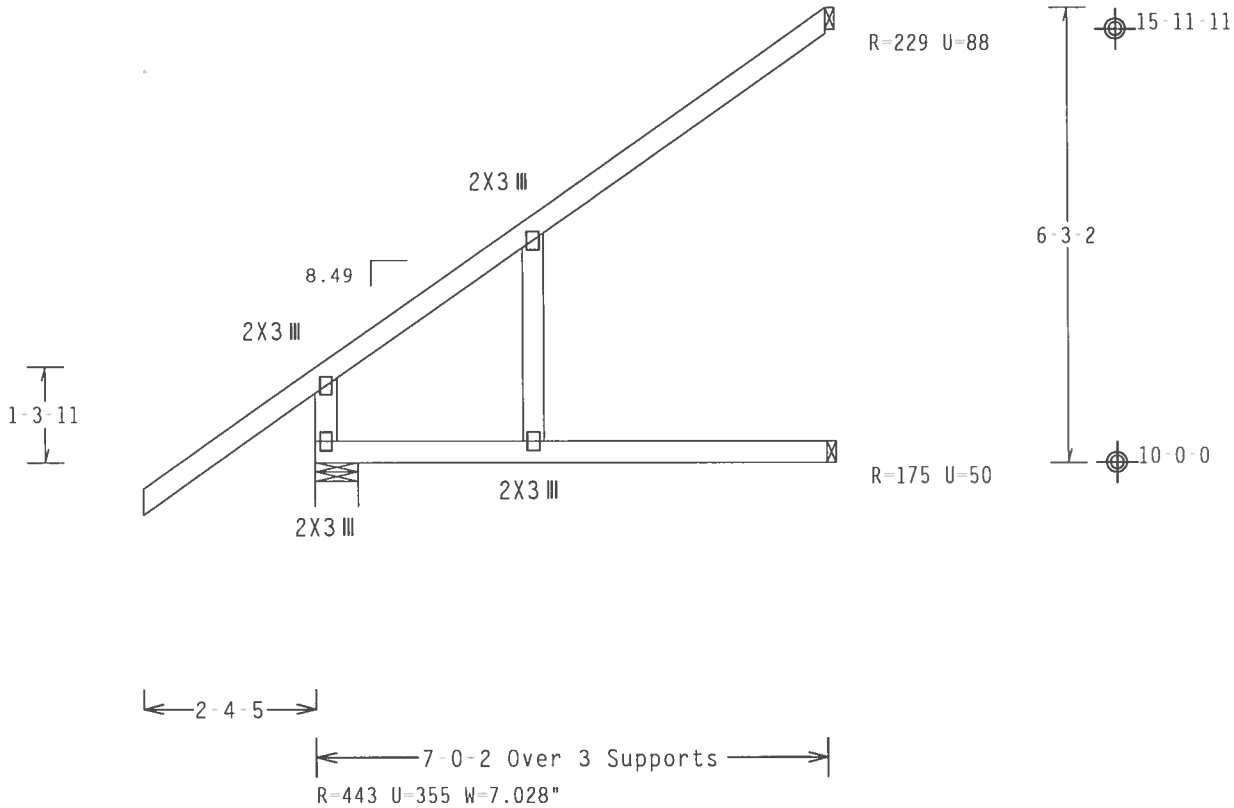
Calculated horizontal deflection is 0.19" due to live load and 0.19" due to dead load.

Fasten rated sheathing to one face of this frame.

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 64 PLF at -2.36 to 64 PLF at 7.01
BC - From 5 PLF at -2.36 to 5 PLF at 0.00
BC - From 20 PLF at 0.00 to 20 PLF at 7.01
TC - -294 LB Conc. Load at 1.20
TC - 94 LB Conc. Load at 4.03
BC - 102 LB Conc. Load at 1.20
BC - 175 LB Conc. Load at 4.03

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization #607

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JAMES F. COLLINS JR. LICENSE No. 52272 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228-81226
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197068
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1968
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B - Isaac Construction Jeremy Cady - , ** - JC3)

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

Wind reactions based on MWFRS pressures.

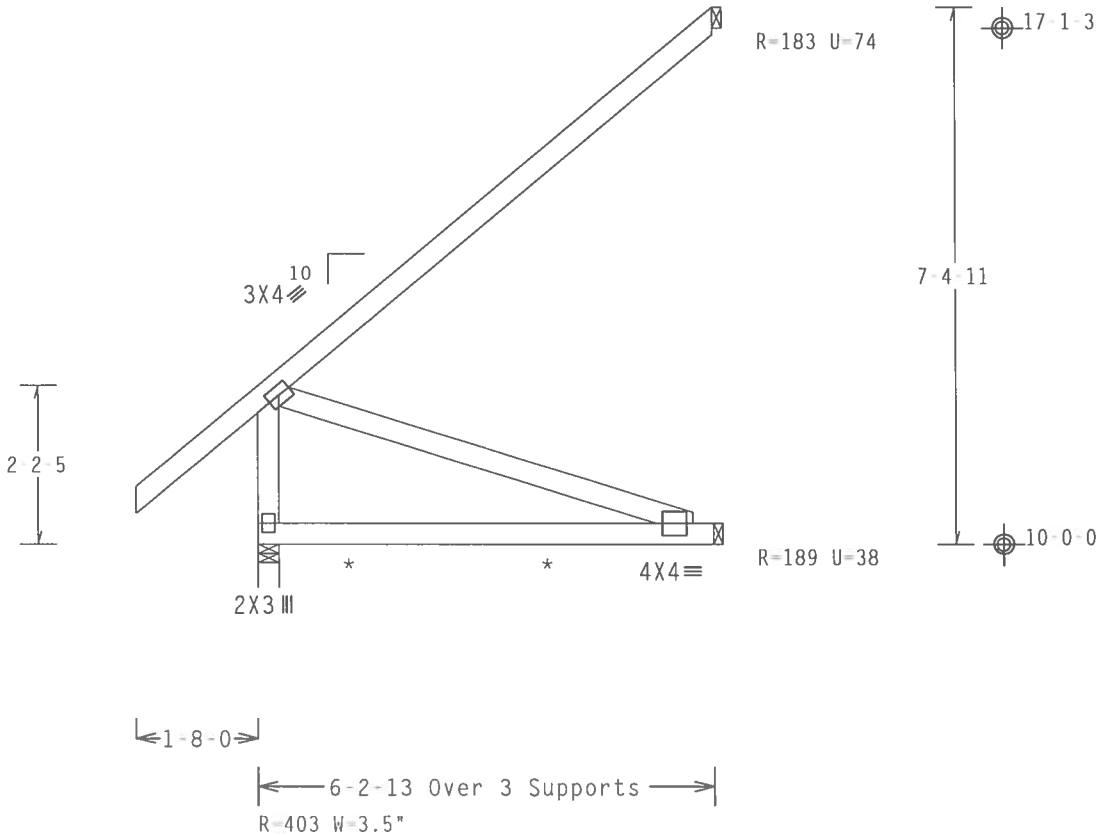
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

* WIND ON TRUSS RUN AS CLOSED IN INDICATED AREA BUILDING DESIGNER OR ENGINEER OF RECORD TO DETERMINE IF THIS IS ACCEPTABLE.*

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

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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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 (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.

JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228-81227
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197069
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	1767
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** JK2)

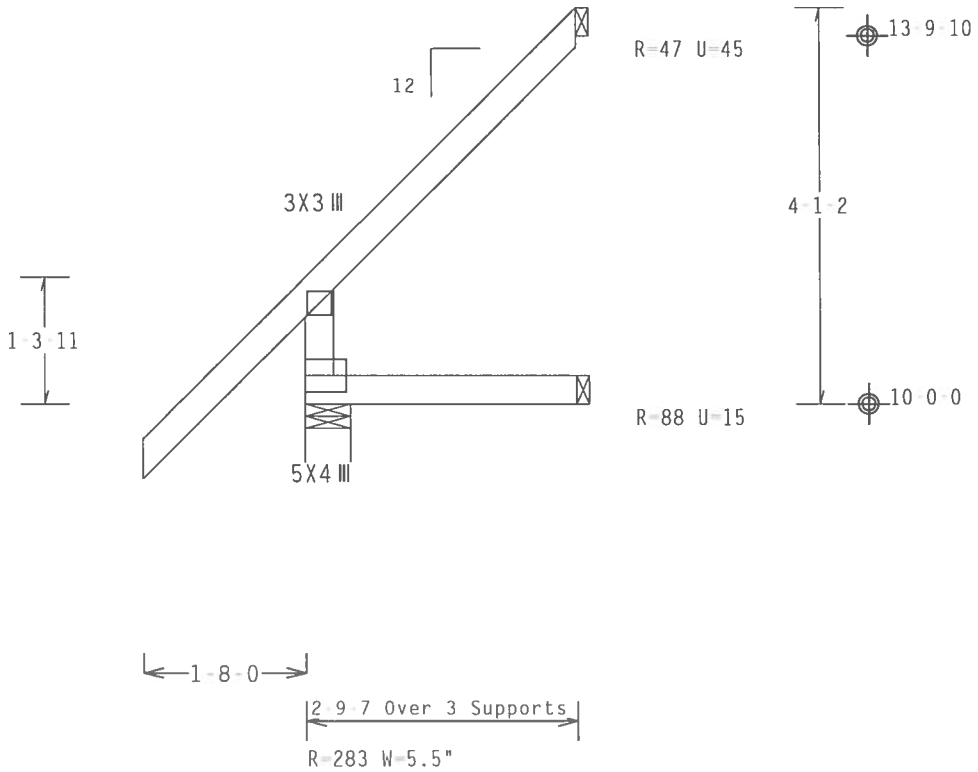
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #2 Dense

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, 15.00 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

Bottom chord checked for 20.00 psf non concurrent live load.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:2 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 807

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JAMES P. COLLINS LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul

TC LL	20.0 PSF	REF	R8228-81228
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197070
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN	1960
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7-140B - Isaac Construction Jeremy Cady - - , ** - HJC)

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

110 mph wind, 15.11 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.

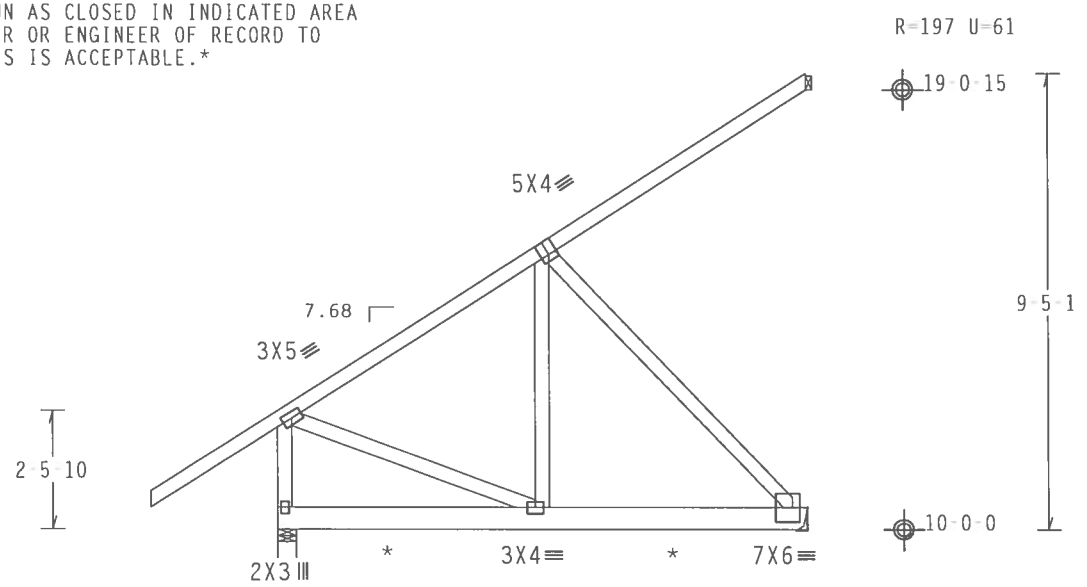
Bottom chord checked for 20.00 psf non-concurrent live load.

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

* WIND ON TRUSS RUN AS CLOSED IN INDICATED AREA
BUILDING DESIGNER OR ENGINEER OF RECORD TO
DETERMINE IF THIS IS ACCEPTABLE.*

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

TC	From	64 PLF	at	-2.60	to	64 PLF at 10.86
BC	From	5 PLF	at	-2.60	to	5 PLF at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF at 10.86
TC		42 LB Conc. Load	at	1.51		
TC		100 LB Conc. Load	at	4.63		
TC		183 LB Conc. Load	at	7.76		
BC		52 LB Conc. Load	at	1.51		
BC		55 LB Conc. Load	at	3.08		
BC		115 LB Conc. Load	at	4.63		
BC		107 LB Conc. Load	at	5.68		
BC		189 LB Conc. Load	at	7.76		
BC		159 LB Conc. Load	at	8.29		



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228- 81229
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197071
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1801
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-1408--Isaac Construction Jeremy Cady -- , ** - JC1)

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

Wind reactions based on MWFRS pressures.

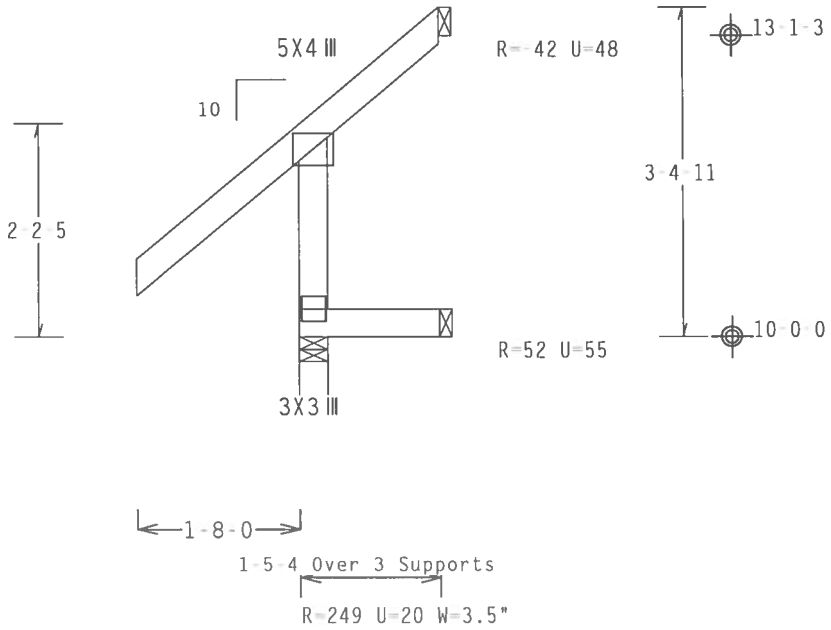
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

Calculated horizontal deflection is 0.24" due to live load and 0.11" due to dead load.

Bottom chord checked for 20.00 psf non-concurrent live load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228-81230
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197072
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1772
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** HJK2)

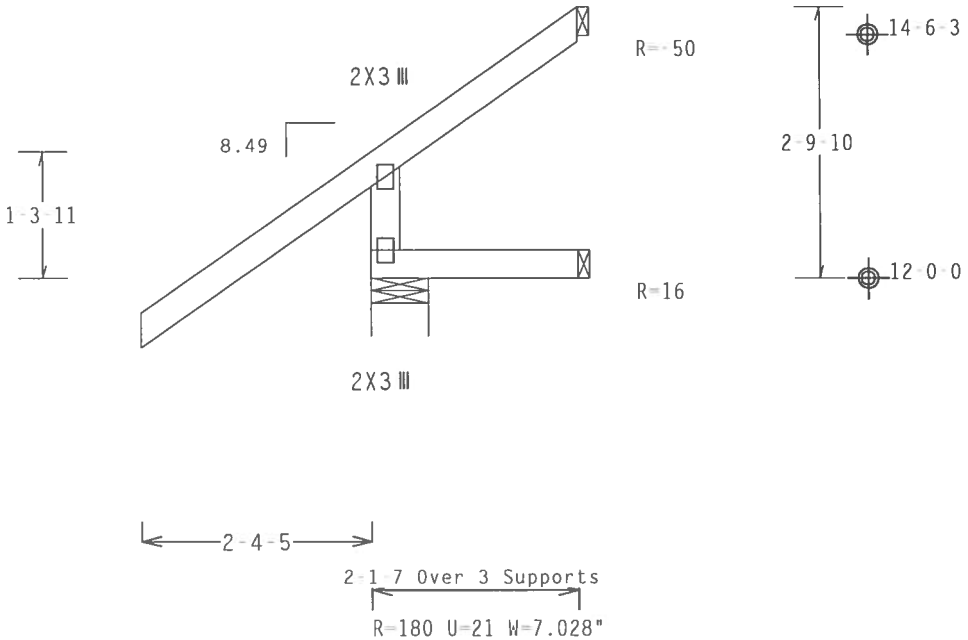
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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, 15.00 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

Hipjack supports 1-6-0 setback jacks with no webs.



Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

Cq/RT=1.00(1.25)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16,07

TC LL	20.0 PSF	REF	R8228-81231
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197078
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN	2078
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** EJC)

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

Wind reactions based on MWFRS pressures.

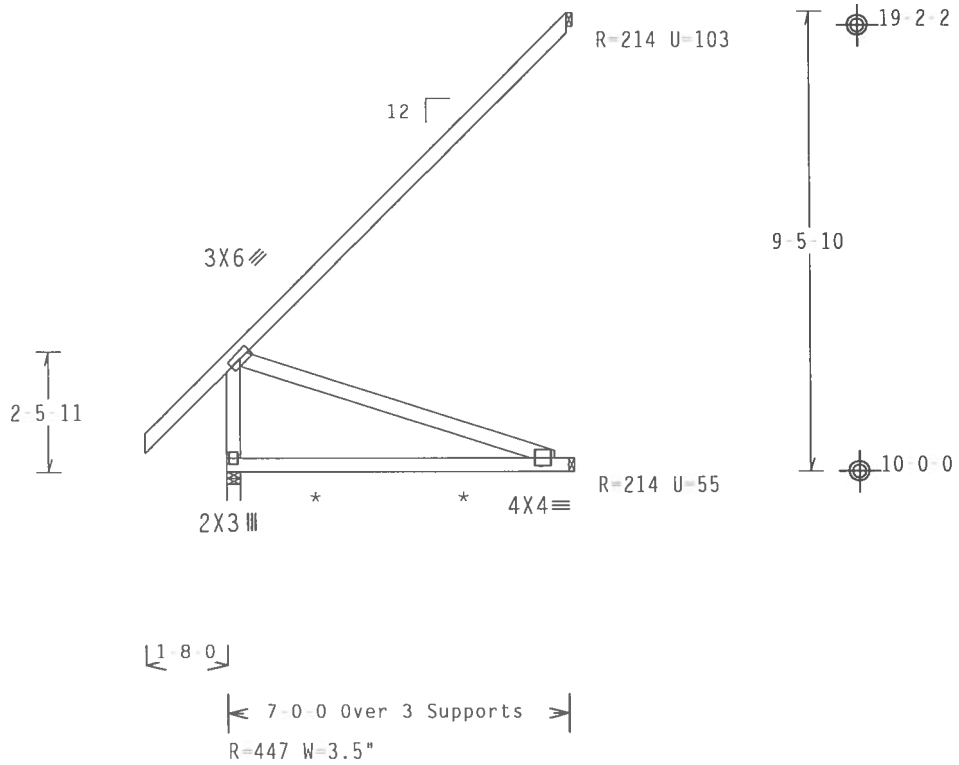
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

* WIND ON TRUSS RUN AS CLOSED IN INDICATED AREA BUILDING DESIGNER OR ENGINEER OF RECORD TO DETERMINE IF THIS IS ACCEPTABLE.*

110 mph wind, 15.14 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

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424 QTY:3 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 607

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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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF R8228-81232
TC DL	10.0 PSF	DATE 07/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07197080
BC LL	0.0 PSF	HC-ENG JB/WHK *
TOT.LD.	40.0 PSF	SEQN- 1751
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** JC4)

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

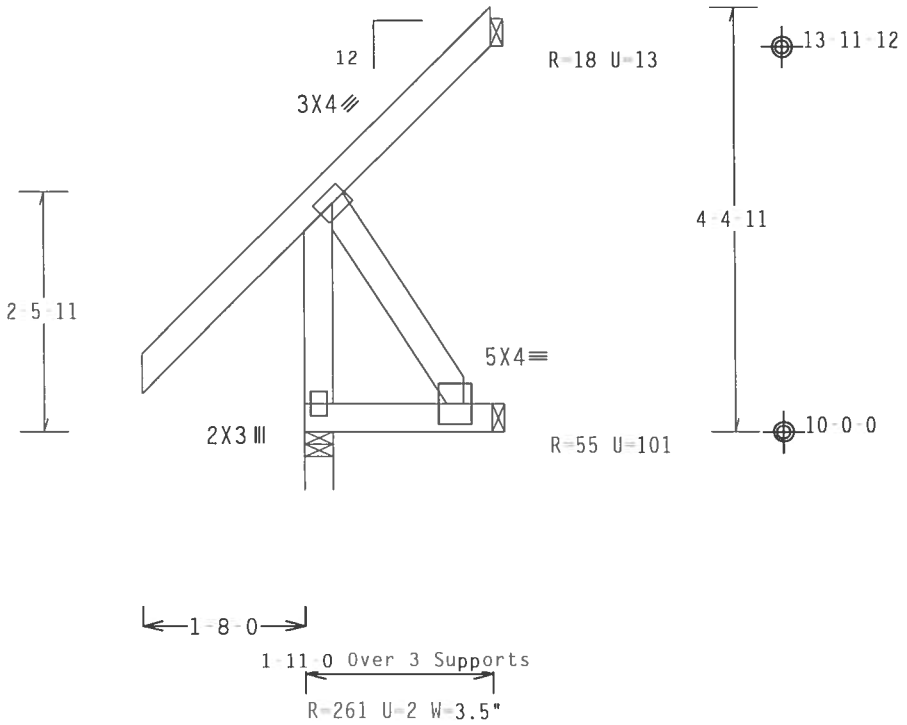
Wind reactions based on MWFRS pressures.

Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

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

Bottom chord checked for 20.00 psf non concurrent live load.

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)/10(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 10 07

TC LL	20.0 PSF	REF	R8228-81233
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197081
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	1765
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** JC2)

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

Wind reactions based on MWFRS pressures.

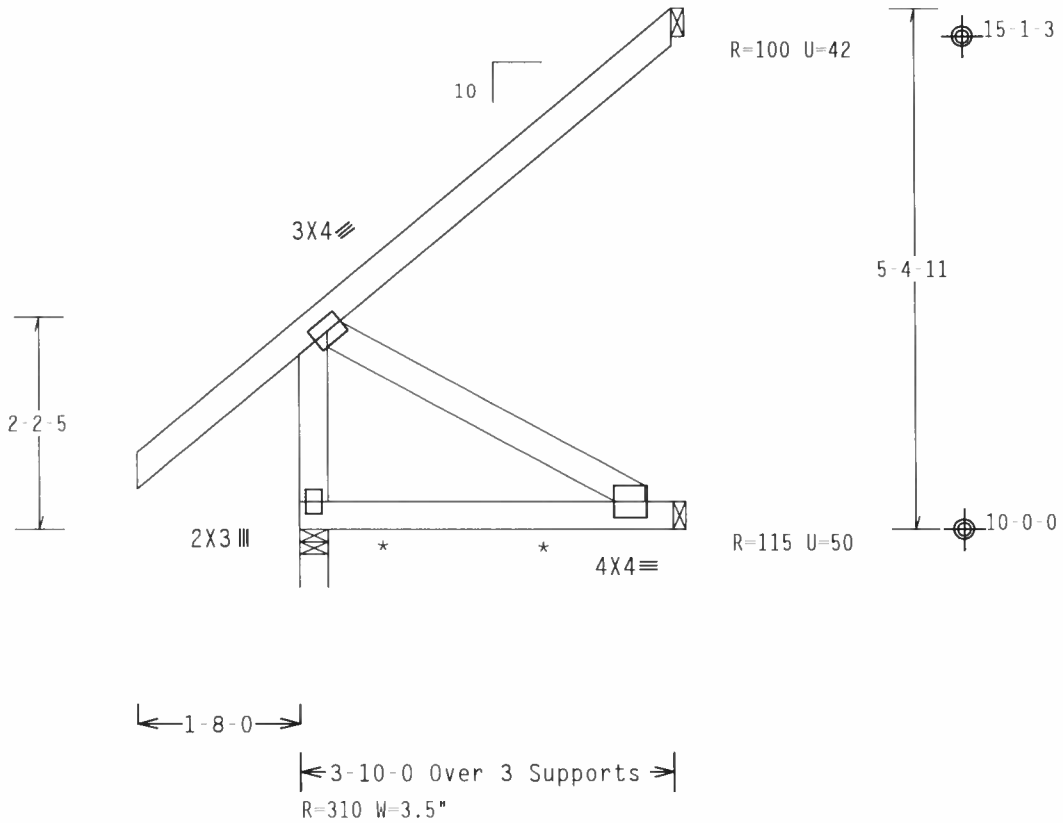
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

* WIND ON TRUSS RUN AS CLOSED IN INDICATED AREA BUILDING DESIGNER OR ENGINEER OF RECORD TO DETERMINE IF THIS IS ACCEPTABLE.*

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

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 607

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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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 '07

TC LL	20.0 PSF	REF	R8228-81234
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197083
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN	1770
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7-140B Isaac Construction Jeremy Cady -- , ** - JC6)

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

Wind reactions based on MWFRS pressures.

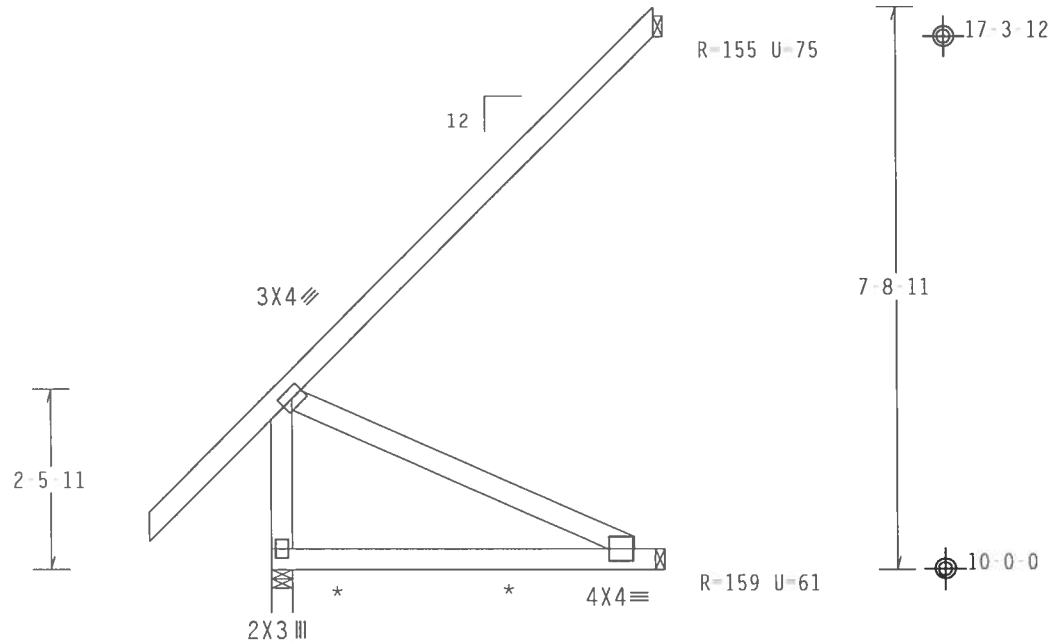
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

* WIND ON TRUSS RUN AS CLOSED IN INDICATED AREA BUILDING DESIGNER OR ENGINEER OF RECORD TO DETERMINE IF THIS IS ACCEPTABLE.*

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

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424.12 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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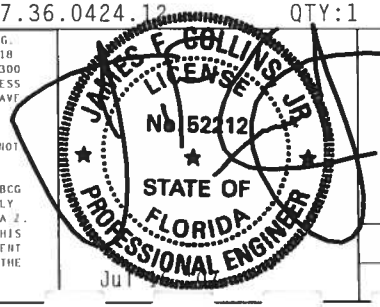


TC LL	20.0 PSF	REF	R8228-81235
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197084
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN	1756
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** JC5)

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

Wind reactions based on MWFRS pressures.

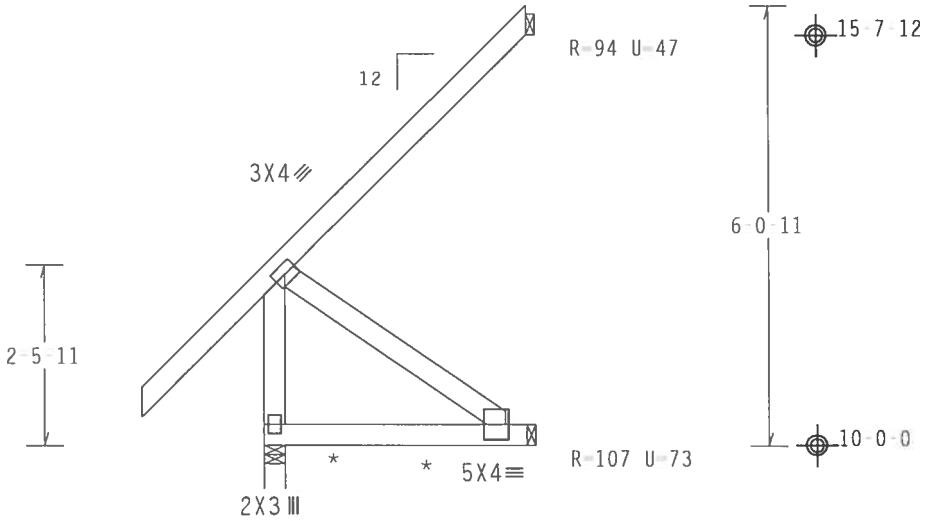
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

* WIND ON TRUSS RUN AS CLOSED IN INDICATED AREA BUILDING DESIGNER OR ENGINEER OF RECORD TO DETERMINE IF THIS IS ACCEPTABLE.*

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

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16 '07

TC LL	20.0 PSF	REF	R8228-81236
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197085
BC LL	0.0 PSF	HC-ENG	JB/WHK *
TOT.LD.	40.0 PSF	SEQN-	1763
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** JS6)

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

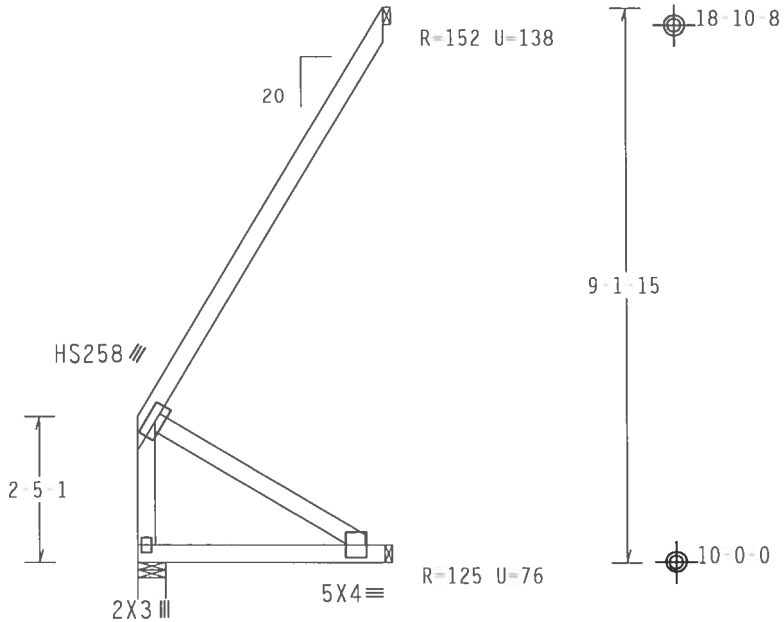
Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

110 mph wind, 15.79 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

Bottom chord checked for 20.00 psf non-concurrent live load.

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



4-0-9 Over 3 Supports
R=200 U=57 W=5.5"

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 1 QTY:2 FL/-/4/-/-/R/- Scale =.3125"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16 07

TC LL	20.0 PSF	REF	R8228-81237
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197101
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	1610
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** HJB1)

Top chord 2x8 SP #2
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

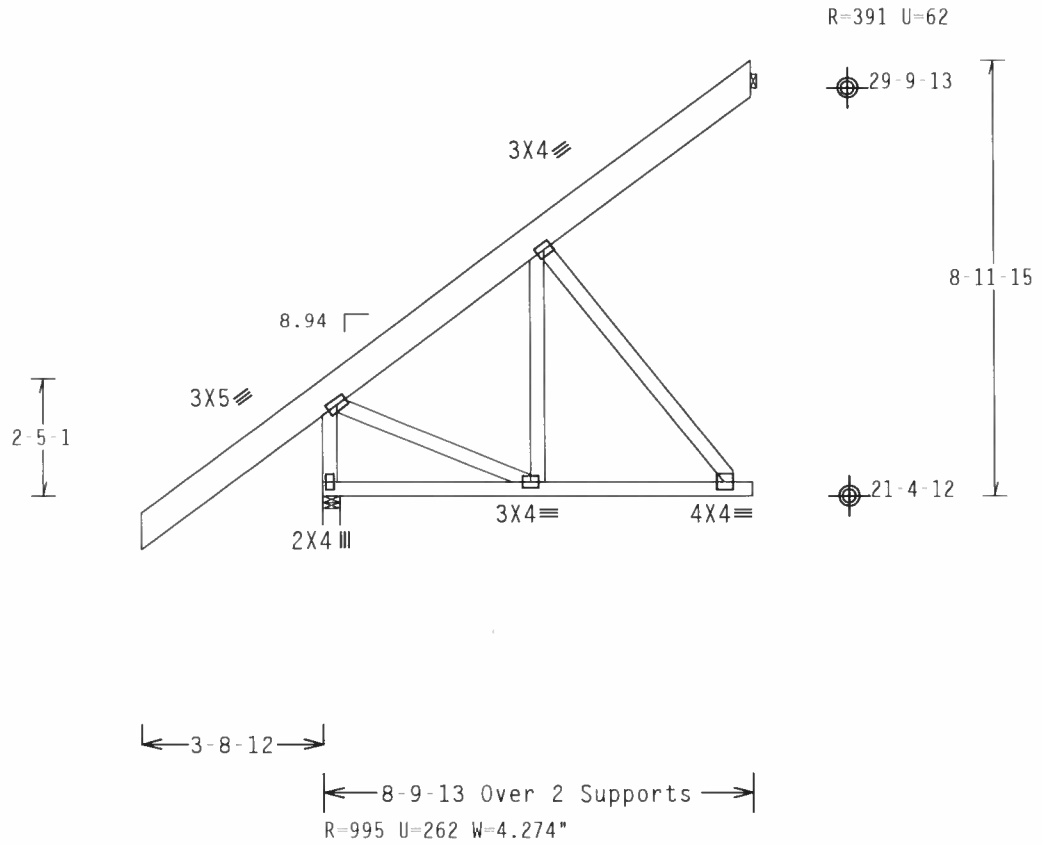
Wind reactions based on MWFRS pressures.

Left end vertical not exposed to wind pressure.

110 mph wind, 25.71 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

Hipjack supports 6-2-13 setback jacks with no webs.

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)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS, JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16,07

TC LL	20.0 PSF	REF R8228- 81238
TC DL	10.0 PSF	DATE 07/16/07
BC DL	10.0 PSF	DRW HCUSR8228 07197108
BC LL	0.0 PSF	HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN- 2636
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** K2)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W17 2x4 SP #2 Dense:

Wind reactions based on MWFRS pressures.

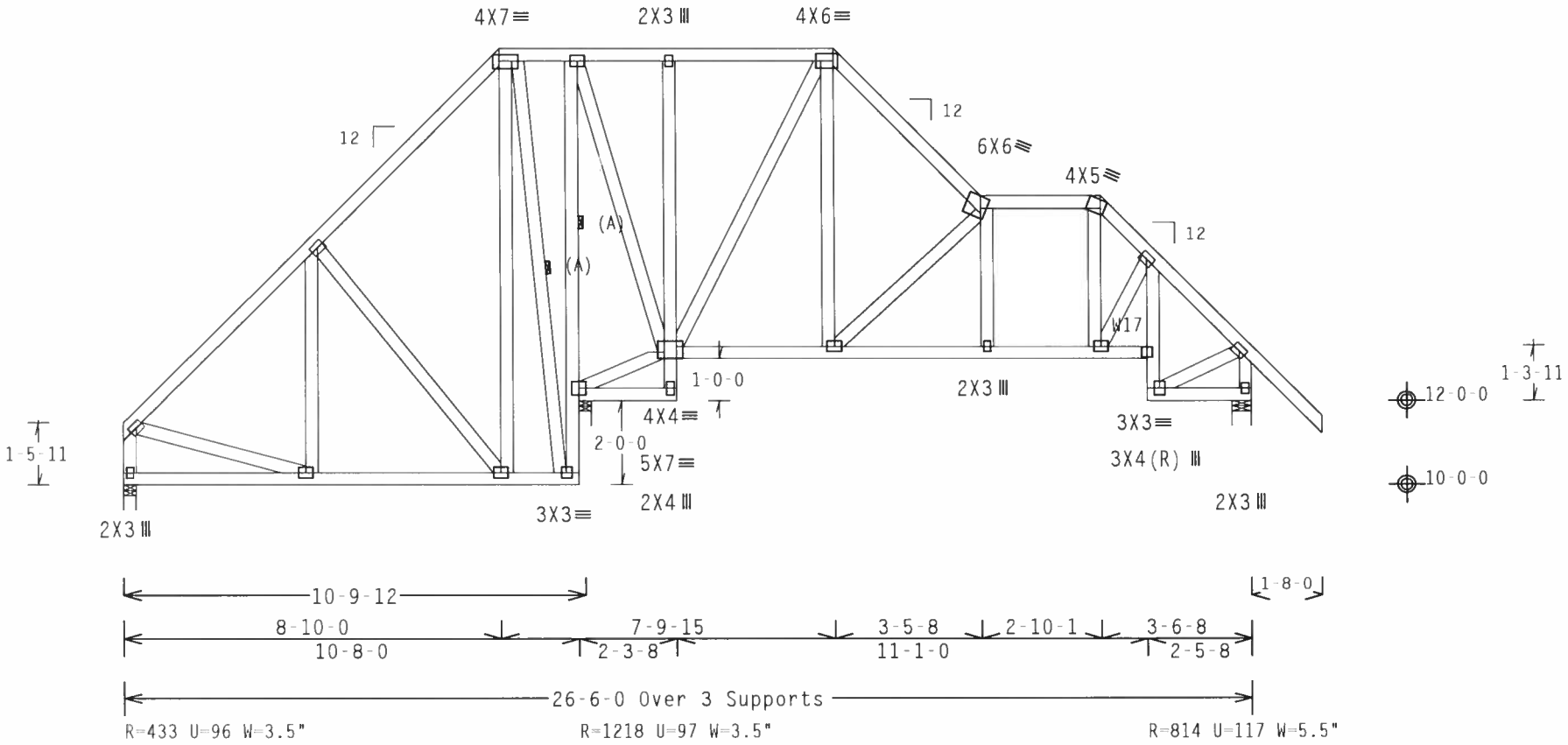
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

110 mph wind, 15.89 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

(A) Continuous lateral bracing equally spaced on member.

Bottom chord checked for 20.00 psf non-concurrent live load.

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



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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JAMES F. COLLINS JR. LICENSE No. 52202 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16 '07

TC LL	20.0 PSF	REF	R8228- 81239
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197052
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN	2008
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1T938228Z01

(7 140B Isaac Construction Jeremy Cady -- , ** K4G)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W5, W7, W13 2x4 SP #2 Dense:

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

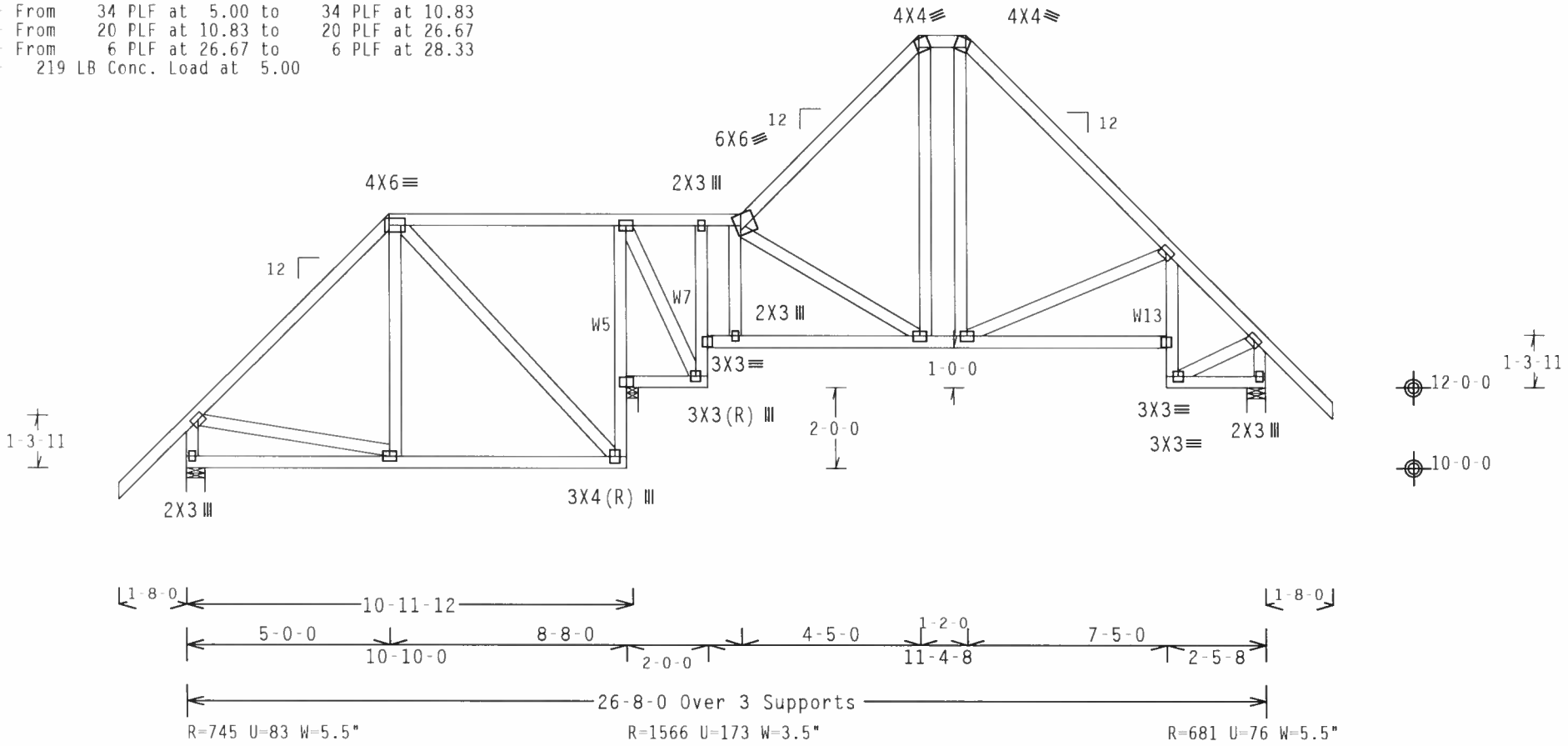
TC	From	68 PLF	at	-1.67	to	68 PLF	at 5.00
TC	From	104 PLF	at	5.00	to	104 PLF	at 10.83
TC	From	40 PLF	at	10.83	to	40 PLF	at 10.98
TC	From	68 PLF	at	10.98	to	68 PLF	at 26.67
BC	From	6 PLF	at	-1.67	to	6 PLF	at 0.00
BC	From	20 PLF	at	0.00	to	20 PLF	at 5.00
BC	From	34 PLF	at	5.00	to	34 PLF	at 10.83
BC	From	20 PLF	at	10.83	to	20 PLF	at 26.67
BC	From	6 PLF	at	26.67	to	6 PLF	at 28.33
BC	219 LB Conc. Load at 5.00						

110 mph wind, 15.18 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.

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.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 1 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 667

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JAMES E. COLLINS JR. LICENSE No 62212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16-07

TC LL	20.0 PSF	REF	R8228- 81240
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197060
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2067
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady -- , ** - K1G)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W13 2x4 SP #2 Dense:

90 mph wind, 15.89 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP C, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.12" due to live load and 0.23" due to dead load.

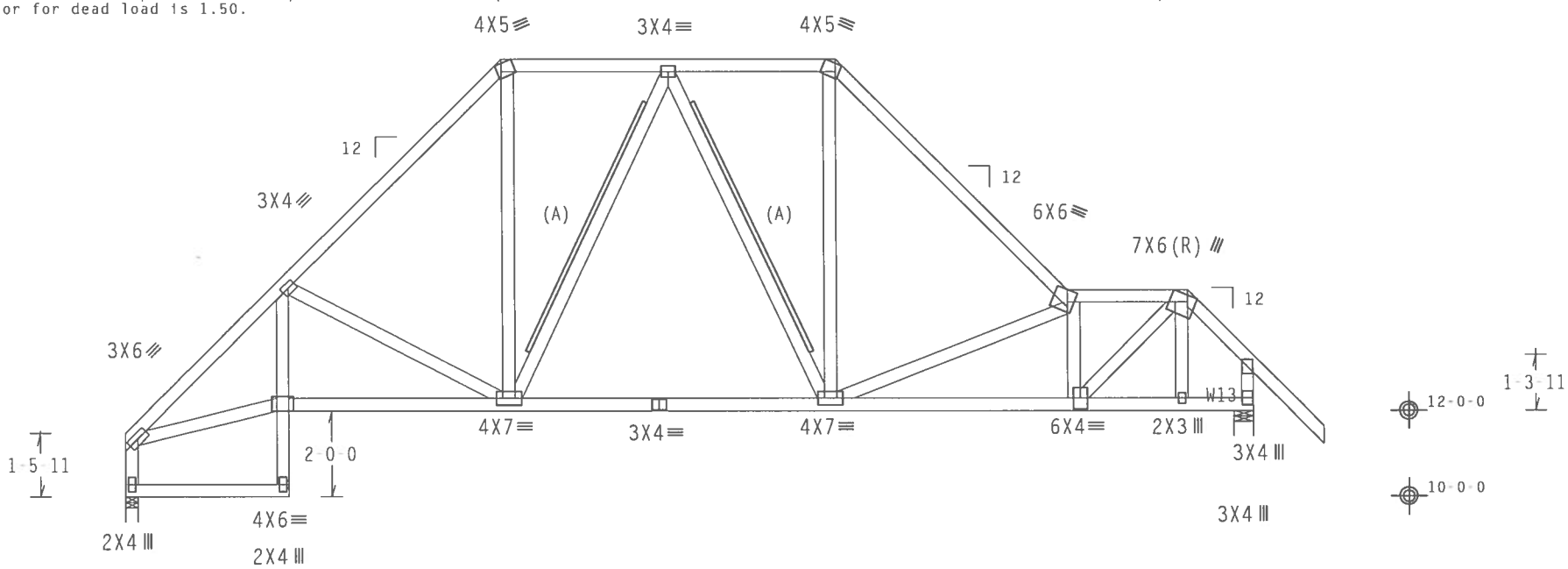
(A) 1x4 #3 or better "T" brace. 80% length of web member. Attach with 8d Box or Gun (0.113"x2.5",min.)nails @ 6" OC.

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

SPECIAL LOADS
------(LUMBER DUR.FAC.=1.15 / PLATE DUR.FAC.=1.15)
TC - From 68 PLF at 0.00 to 68 PLF at 8.83
TC - From 68 PLF at 8.83 to 68 PLF at 16.66
TC - From 68 PLF at 16.66 to 68 PLF at 22.12
TC - From 68 PLF at 22.12 to 68 PLF at 24.96
TC - From 68 PLF at 24.96 to 68 PLF at 28.17
BC - From 20 PLF at 0.00 to 20 PLF at 3.83
BC - From 20 PLF at 3.83 to 20 PLF at 26.50
BC - From 6 PLF at 26.50 to 6 PLF at 28.17
PLT- -50 LB Conc. Load at (24.96,14.81)
PLB- 53 LB Conc. Load at (24.90,12.04)

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

Bottom chord checked for 20.00 psf non-concurrent live load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE
ITW Building Components Group, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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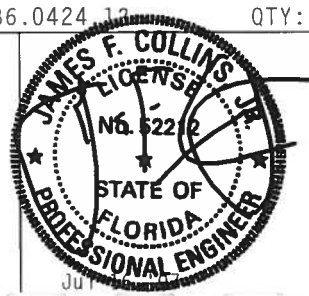
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE 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.



TC LL	20.0 PSF	REF	R8228- 81241
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197061
BC LL	0.0 PSF		HC-ENG JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2091
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7 140B Isaac Construction Jeremy Cady , ** K3)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W16 2x4 SP #2 Dense:

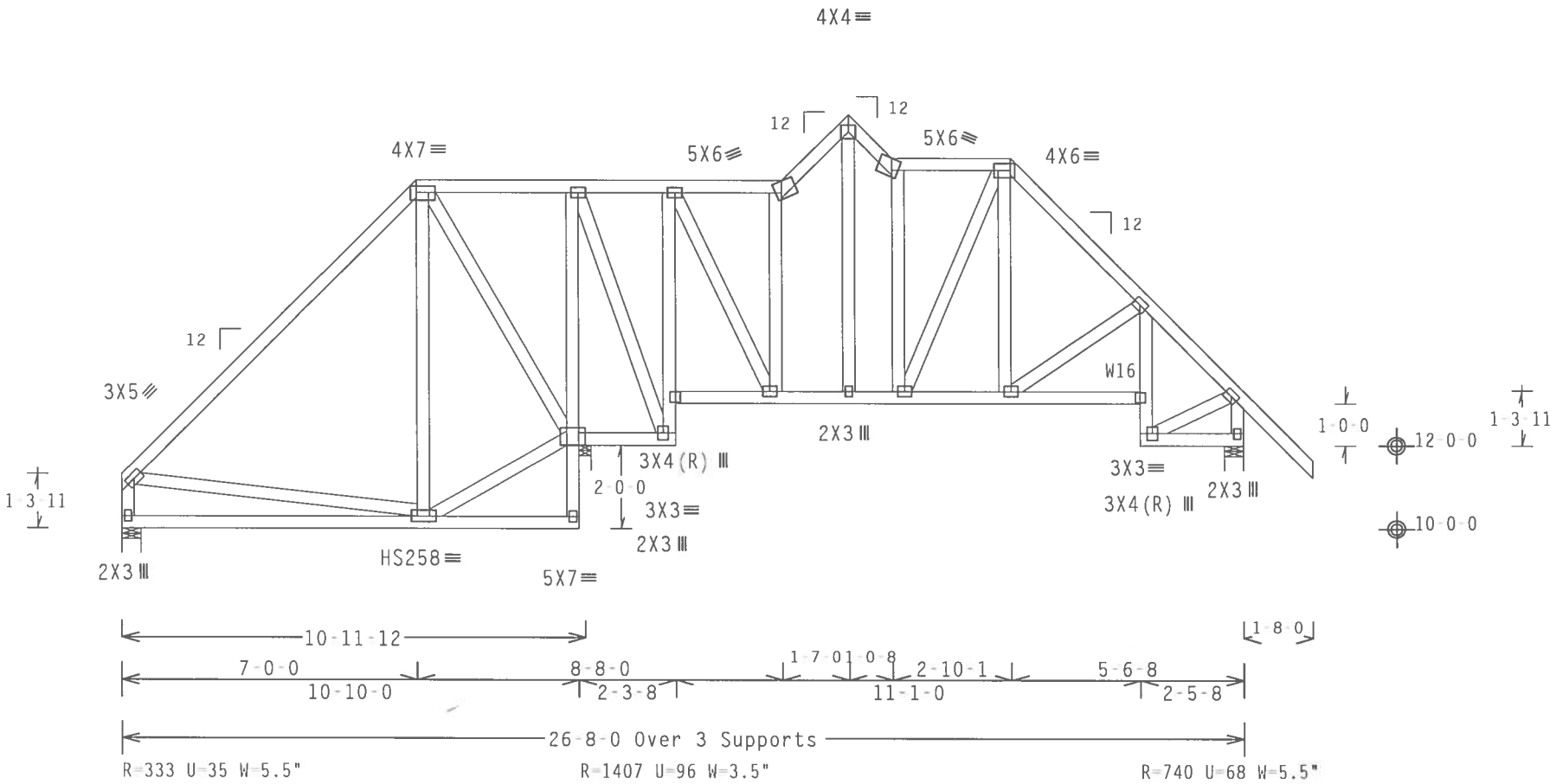
Wind reactions based on MWFRS pressures.

Bottom chord checked for 20.00 psf non-concurrent live load.

110 mph wind, 15.60 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

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.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS,Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 QTY:1 FL/-/4/-/-/R/- Scale =.25"/Ft.

ALPINE

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER

Jul 16 '07

TC LL	20.0 PSF	REF	R8228-81242
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197067
BC LL	0.0 PSF	HC-ENG	JB/WHK
TOT.LD.	40.0 PSF	SEQN-	2002
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady , ** BP4)

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

110 mph wind, 33.63 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=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

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

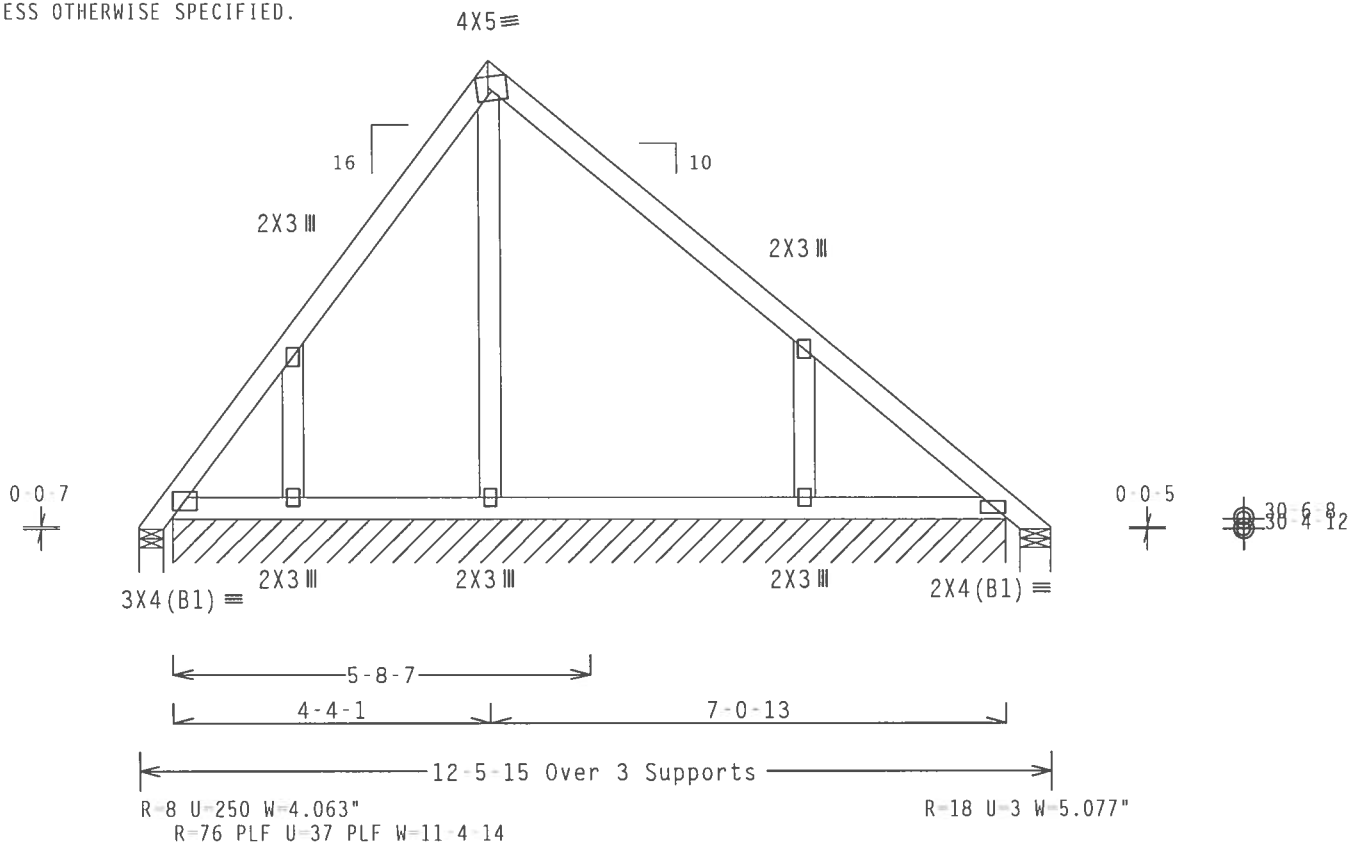
Refer to DWG PIGBACKB0207 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

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

TC	From	73 PLF at	0.46 to	73 PLF at	4.34
TC	From	66 PLF at	4.34 to	66 PLF at	12.03
BC	From	4 PLF at	0.46 to	4 PLF at	12.03

Wind reactions based on MWFRS pressures.

Bottom chord checked for 20.00 psf non concurrent live load.



Design Crit: TPI-2002(STD)/FBC
PLT TYP. Wave Cq/RT=1.00(1.25)/10(0) 7.36.0424 1e QTY:4 FL/-/4/-/-/R/- Scale =.375"/Ft.

ALPINE
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Haines City, FL 33844
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JAMES F. COLLINS JR. LICENSE No. 52210 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul 16 07

TC LL	20.0 PSF	REF	R8228- 81243
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197003
BC LL	0.0 PSF		HC-ENG TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	1310
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01

(7-140B Isaac Construction Jeremy Cady , ** BP6)

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

110 mph wind, 31.39 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=2.0 psf. Iw=1.00 GCpi(+/-)=0.18

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

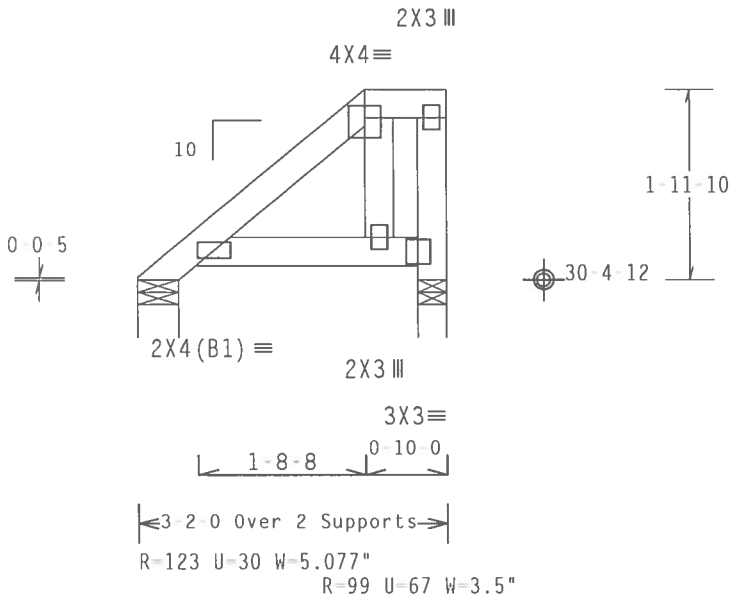
Refer to DWG PIGBACKB0207 for piggyback details.
PORTION OF TRUSS UNDER PIGGYBACK IS TO BE BRACED @ 24" OC, UNLESS OTHERWISE SPECIFIED.

SPECIAL LOADS
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 66 PLF at 0.62 to 66 PLF at 1.71
TC From 66 PLF at 1.71 to 66 PLF at 2.54
BC From 4 PLF at 0.62 to 4 PLF at 2.54

Wind reactions based on MWFRS pressures.

Bottom chord checked for 20.00 psf non-concurrent live load.

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)/10(0) 7.36.0424.13 QTY:1 FL/-/4/-/-/R/- Scale =.5"/Ft.

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JAMES F. COLLINS JR. LICENSE No. 52212 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jul

TC LL	20.0 PSF	REF	R8228-81244
TC DL	10.0 PSF	DATE	07/16/07
BC DL	10.0 PSF	DRW	HCUSR8228 07197004
BC LL	0.0 PSF	HC-ENG	TCE/WHK
TOT.LD.	40.0 PSF	SEQN-	2296
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1T938228Z01