

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
 Page 1 of 1 Document ID: ITAU215-Z0217163834

Truss Fabricator: W.B. Howland
 Job Identification: 4883-/MCNEIL RESIDENCE /BLAKE CONSTRUCTION -- Lot 8-Country Lakes @
 Truss Count: 86
 Model Code: Florida Building Code 2004 and 2006 Supplement
 Truss Criteria: ANSI/TPI-2002(STD)/FBC
 Engineering Software: Alpine Software, Version 7.38.
 Structural Engineer of Record: The identity of the structural EOR did not exist as of
 Address: the seal date per section 61G15-31.003(5a) of the FAC
 Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
 Floor - N/A
 Wind - 110 MPH ASCE 7-02 -Closed

Seal Date: 09/17/2007

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: HCUSR215

-Truss Design Engineer-
 James F. Collins Jr.
 Florida License Number: 52212
 1950 Marley Drive
 Haines City, FL 33844

Details: CNBRGBLK-A11015EE-GBLLETIN-A11030EE-BRCLBSUB-

#	Ref	Description	Drawing#	Date
1	96143--A1		07260018	09/17/07
2	96144--A2		07260019	09/17/07
3	96145--A3		07260020	09/17/07
4	96146--A4		07260097	09/17/07
5	96147--A5		07260098	09/17/07
6	96148--A6		07260021	09/17/07
7	96149--A7		07260022	09/17/07
8	96150--A8		07260023	09/17/07
9	96151--A9		07260024	09/17/07
10	96152--A10		07260057	09/17/07
11	96153--A11		07260058	09/17/07
12	96154--A12		07260059	09/17/07
13	96155--A13		07260060	09/17/07
14	96156--A14		07260061	09/17/07
15	96157--A15		07260025	09/17/07
16	96158--A16		07260026	09/17/07
17	96159--A17		07260102	09/17/07
18	96160--A18		07260062	09/17/07
19	96161--A19		07260063	09/17/07
20	96162--A20		07260027	09/17/07
21	96163--A21		07260028	09/17/07
22	96164--A22		07260029	09/17/07
23	96165--A23		07260030	09/17/07
24	96166--A24		07260031	09/17/07
25	96167--A25		07260064	09/17/07
26	96168--A26		07260101	09/17/07
27	96169--A27		07260032	09/17/07
28	96170--A28		07260065	09/17/07
29	96171--A29		07260033	09/17/07
30	96172--A30		07260034	09/17/07
31	96173--A31		07260035	09/17/07
32	96174--A32		07260066	09/17/07
33	96175--A33		07260036	09/17/07
34	96176--A34		07260037	09/17/07
35	96177--A35		07260038	09/17/07
36	96178--A36		07260039	09/17/07
37	96179--A37		07260067	09/17/07
38	96180--A38		07260040	09/17/07

#	Ref	Description	Drawing#	Date
39	96181--A39		07260041	09/17/07
40	96182--A40		07260042	09/17/07
41	96183--A41		07260043	09/17/07
42	96184--A42		07260068	09/17/07
43	96185--A43		07260069	09/17/07
44	96186--A44		07260103	09/17/07
45	96187--A45		07260070	09/17/07
46	96188--A46		07260099	09/17/07
47	96189--A47		07260044	09/17/07
48	96190--A48		07260071	09/17/07
49	96191--A49		07260072	09/17/07
50	96192--JC1		07260073	09/17/07
51	96193--JC1A		07260045	09/17/07
52	96194--JC2		07260046	09/17/07
53	96195--JC3		07260047	09/17/07
54	96196--JC4		07260048	09/17/07
55	96197--JC4A		07260049	09/17/07
56	96198--JC5		07260050	09/17/07
57	96199--JC5A		07260051	09/17/07
58	96200--JC6		07260052	09/17/07
59	96201--JE4		07260100	09/17/07
60	96202--JE4A		07260053	09/17/07
61	96203--JE6		07260054	09/17/07
62	96204--JE7		07260055	09/17/07
63	96205--JE7A		07260074	09/17/07
64	96206--JE7B		07260056	09/17/07
65	96207--JE7C		07260075	09/17/07
66	96208--JH6		07260076	09/17/07
67	96209--JH10		07260077	09/17/07
68	96210--JH11		07260078	09/17/07
69	96211--PBA1		07260079	09/17/07
70	96212--PBA2		07260080	09/17/07
71	96213--PBA3		07260081	09/17/07
72	96214--PBA4		07260082	09/17/07
73	96215--PBA5		07260083	09/17/07
74	96216--PBA6		07260096	09/17/07
75	96217--PBA7		07260084	09/17/07
76	96218--PBA8		07260085	09/17/07

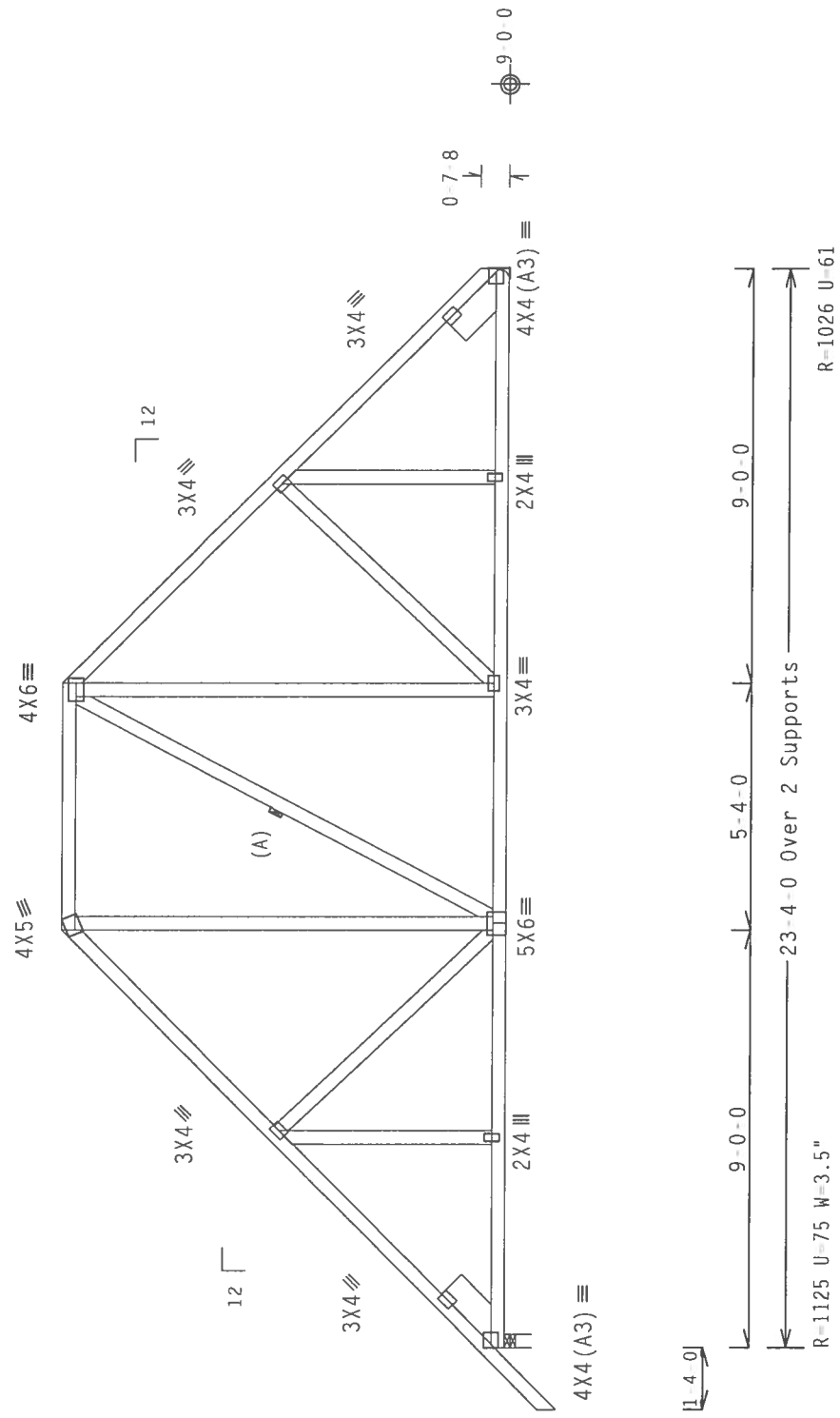
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77	96219--PBA9		07260086	09/17/07
78	96220--PBA10		07260087	09/17/07
79	96221--PBA11		07260088	09/17/07
80	96222--PBA12		07260089	09/17/07
81	96223--PBA13		07260090	09/17/07
82	96224--PBA14		07260091	09/17/07
83	96225--PBA15		07260092	09/17/07
84	96226--PBA16		07260093	09/17/07
85	96227--PBA17		07260094	09/17/07
86	96228--PBA18		07260095	09/17/07



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. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$
 Wind reactions based on MMFRS pressures.
 Deflection meets L/240 live and L/180 total load.
 The overall height of this truss excluding overhang is 9-7-8.

Wind reactions based on MMFRS pressures.
 Deflection meets L/240 live and L/180 total load.
 The overall height of this truss excluding overhang is 9-7-8.

Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N
 :Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1-525'
 :Rt Slider 2x8 SP #2 N: BLOCK LENGTH = 1-525'
 (A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.



Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810.03 QTY:3 FL/-/5/-/-/R/- Scale = .25" / Ft.

TC LL	20.0 PSF	REF	R215 --	96143
TC DL	10.0 PSF	DATE	09/17/07	
BC DL	10.0 PSF	DRW	HCUSR215	07260018
BC LL	0.0 PSF	HC-ENG	EC/WHK	*
TOT.LD.	40.0 PSF	SEQN-	198135	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TAU215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 100 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND AISC (WOOD TRUSS) SOURCE OF AMERICAN WOOD PRESERVE, INC., 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 A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-H/5S/A) ASTM A653 GRADE 40/60 (40, K/H-SS) GALV. STEEL. APPLY AN INSTALLED FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ALL DIMENSIONS SHALL BE IN INCHES UNLESS OTHERWISE SPECIFIED. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER. THIS SEAL IS NOT A SEAL FOR THE TRUSS COMPONENT DESIGNER. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TP1 1 SEC. 2.

PLT TYP. Wave

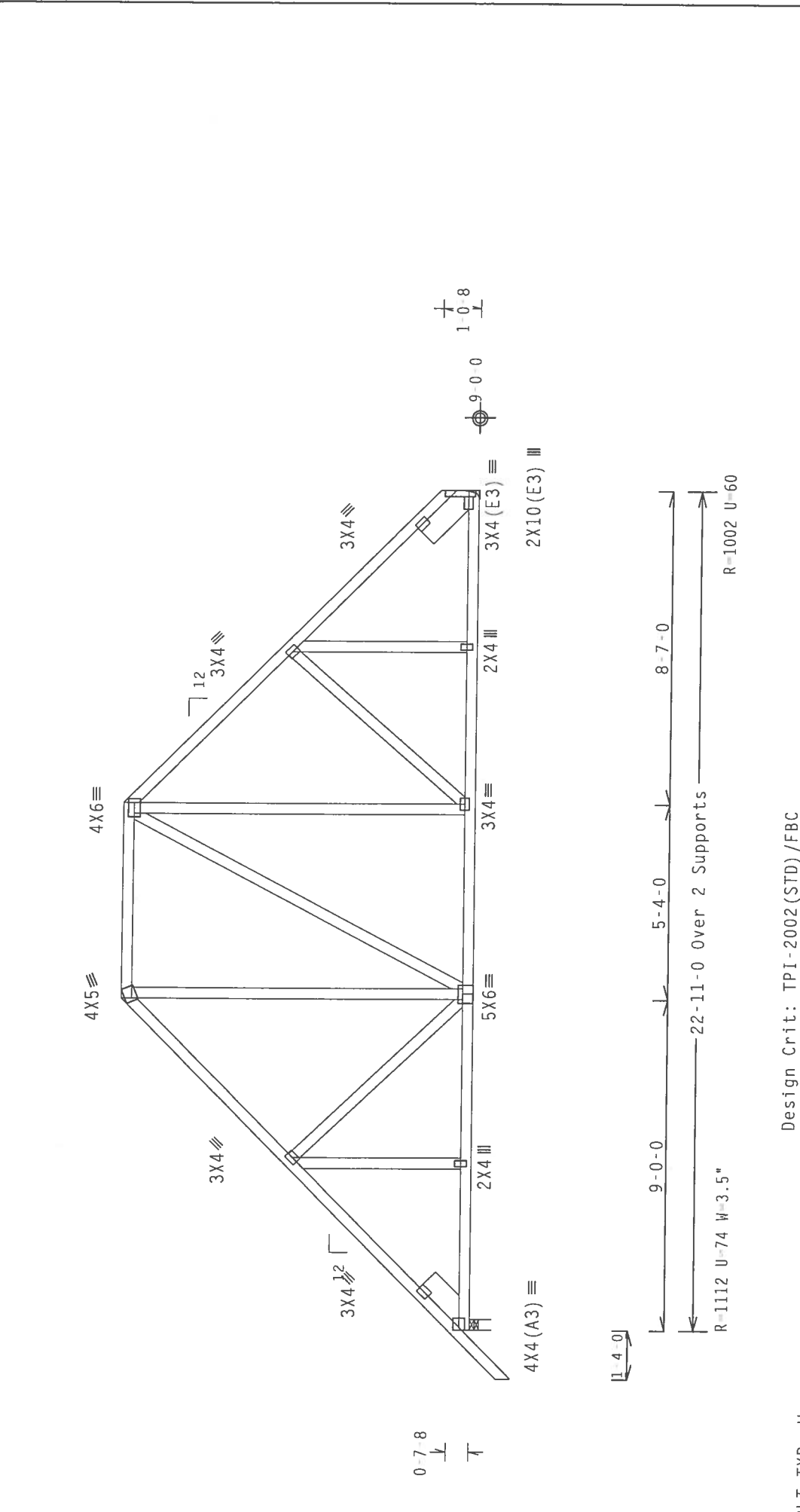
ITW Building Components Group, Inc.
 Haines City, FL 33844
 FL Certificate of Authorization # 567

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. lw=1.00 GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

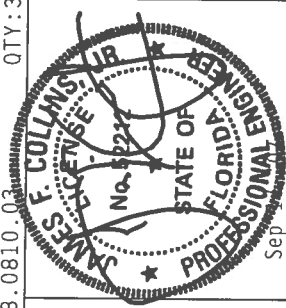
The overall height of this truss excluding overhang is 9'7-8".

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810.03 QTY:3 FL/-/5/-/R/- Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R215 - 96144
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260019
BC LL	0.0 PSF	HC-ENG	EC/WHK *
TOT.LD.	40.0 PSF	SEQN	197933
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1TAU215_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CRANES MANUFACTURER, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22304, AND MICA HOOD TRUSS CORP. OF AMERICA, UNLESS OTHERWISE INDICATED. 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. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES. ITH BCG, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS OR THE BUILDING. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/PTI 1 SEC. 2.

ALPINE

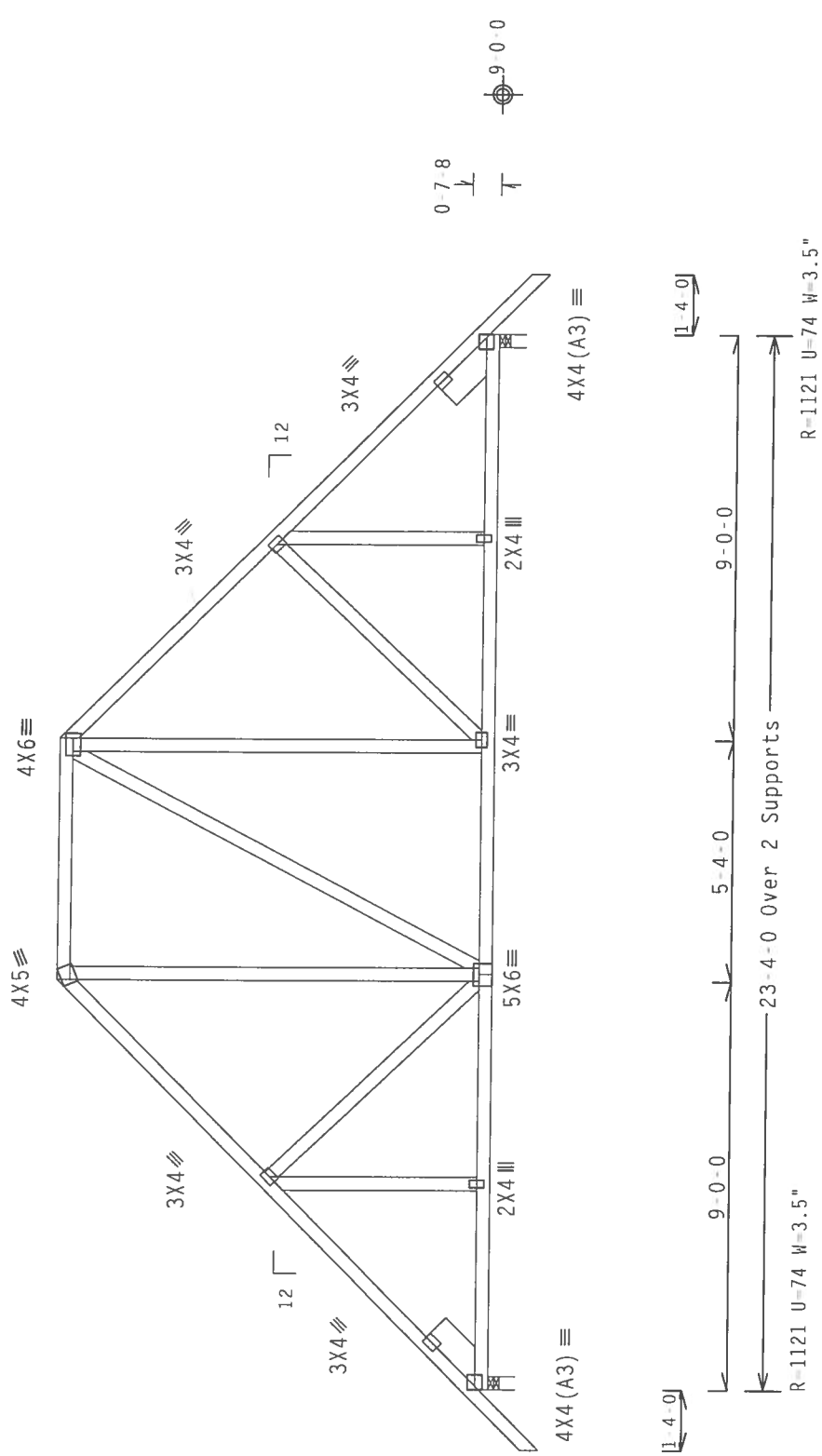
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110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_C p_i(+/-)=-0.18$
 Wind reactions based on MMFRS pressures.
 The overall height of this truss excluding overhang is 9'-7-8".

Deflection meets L/240 live and L/180 total load.

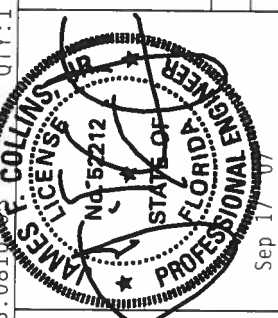
Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N
 :Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.525'
 :Rt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.525'

Deflection meets L/240 live and L/180 total load.



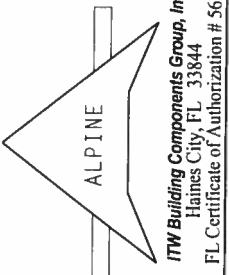
PLT TYP. Wave
 Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale = .25"/Ft.

TC LL	20.0 PSF	REF	R215-- 96145
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260020
BC LL	0.0 PSF	HC-ENG	EC/WHK *
TOT.LD.	40.0 PSF	SEQN-	197927
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1TAU215_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 214 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (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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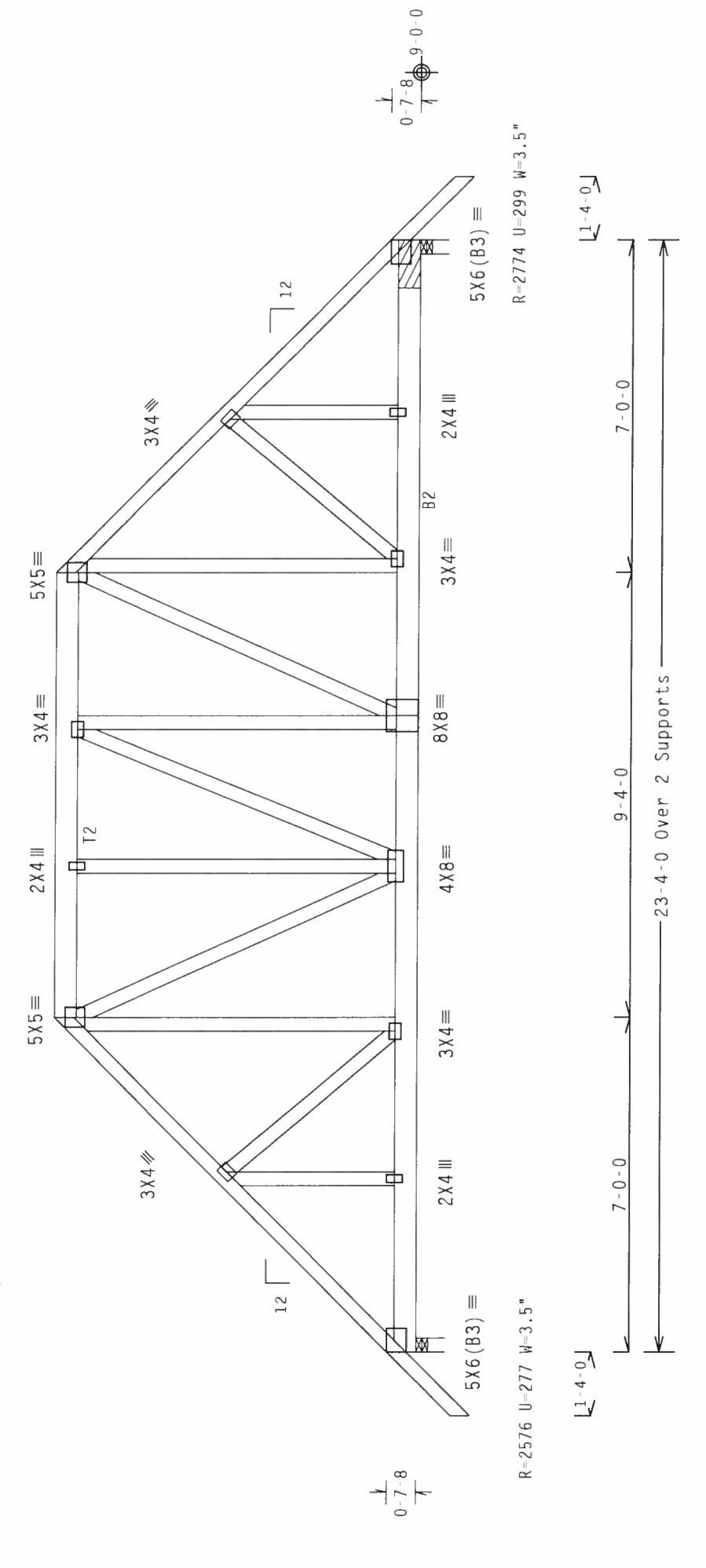


Sep 17 07

Top chord 2x4 SP #2 N :12 2x6 SP #2 N:
 Bot chord 2x6 SP #2 Dense :B2 2x6 SP #2 N:
 Webs 2x4 SP #2 N

SPECIAL LOADS
 --- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 68 PLF at 1.33 to 68 PLF at 7.00
 TC - From 144 PLF at 7.00 to 144 PLF at 23.33
 BC - From 20 PLF at 0.00 to 20 PLF at 7.00
 BC - From 44 PLF at 7.00 to 44 PLF at 23.33
 BC - 572 LB Conc. Load at 7.00
 BC - 1042 LB Conc. Load at 11.87

Wind reactions based on MWFRS pressures.



PLT TYP. Wave
 Design Crit: TPI-2002 (STD)/FBC
 Cq/RT=1.00 (1.25)/0(0) 7.38.0810.00
 QTY:1 FL/-/5/-/-/R/- Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R215 --	96146
TC DL	10.0 PSF	DATE	09/17/07	
BC DL	10.0 PSF	DRW	HCUSR215	07260097
BC LL	0.0 PSF	HC-ENG	EC/MHK	
TOT.LD.	40.0 PSF	SEQN-	197923	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TAU215_Z02	



Top chord 2x4 SP #2 N
 Bot chord 2x8 SP #2 N
 Webs 2x4 SP #2 N

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 68 PLF at 0.00 to 68 PLF at 6.33
 TC - From 68 PLF at 6.33 to 68 PLF at 14.00
 BC - From 20 PLF at 0.00 to 20 PLF at 12.67
 BC - 1977 LB Conc. Load at 1.60
 BC - 1570 LB Conc. Load at 3.60
 BC - 4528 LB Conc. Load at 5.54

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. $I_w=1.00$ $G_Cp(+/-)=0.18$

The overall height of this truss excluding overhang is 6-11-8.

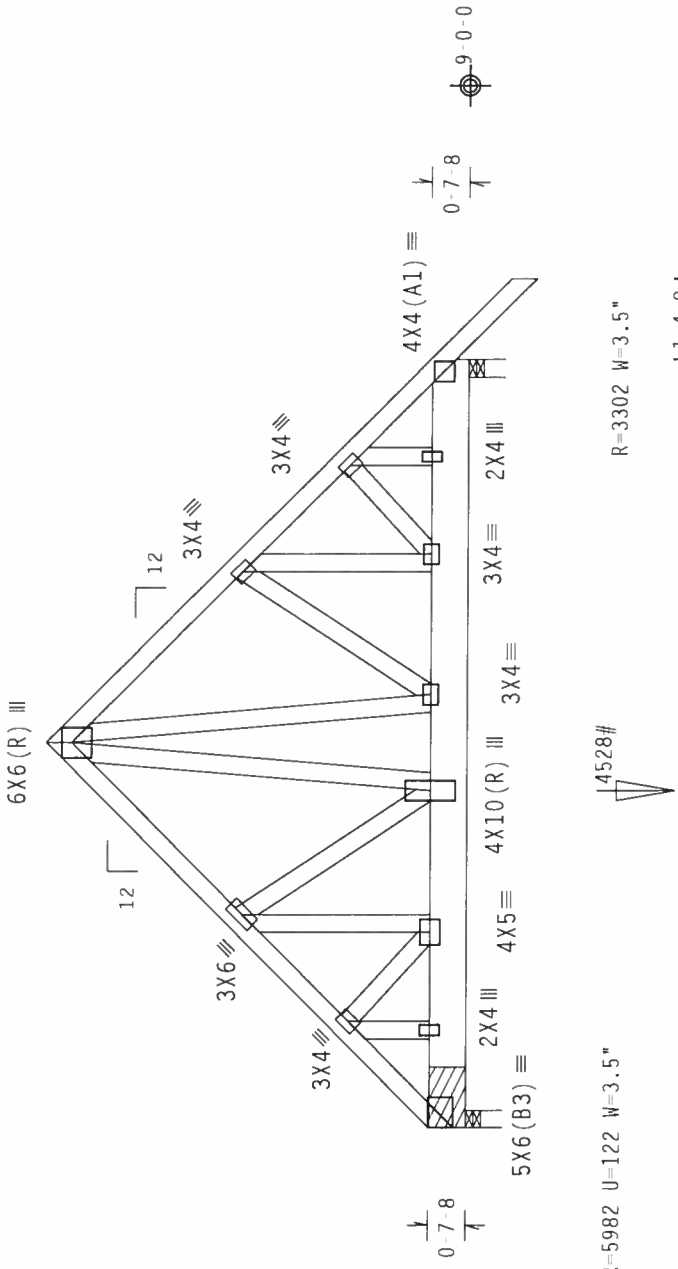
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
 Top Chord: 1 Row @ 4.00" o.c.
 Bot Chord: 2 Rows @ 5.00" o.c. (Each Row)
 Webs : 1 Row @ 4" o.c.
 Use equal spacing between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 0.131"x3" Gun_nails
 BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
 1 0.000' 1 12" 8 Rigid Surface
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CNBRGblk0207 for additional information.

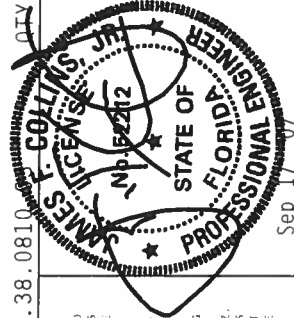
Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load.

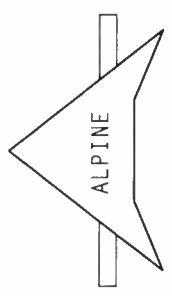


R-5982 U=122 W=3.5"
 R-3302 W=3.5"
 R=3302 W=3.5"
 14528#
 6-4-0
 6-4-0
 12-8-0 Over 2 Supports

Design Crit: TPI-2002 (STD) /FBC
 Cq/RT=1.00 (1.25) /0 (0) 7.38.0810



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

TC LL	20.0 PSF	REF	R215--	96147
TC DL	10.0 PSF	DATE	09/17/07	
BC DL	10.0 PSF	DRW	HCUSR215	07260098
BC LL	0.0 PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0 PSF	SEQN-	198018	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TAU215_Z02	

Scale = .3125" / Ft.

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

Deflection meets L/240 live and L/180 total load.

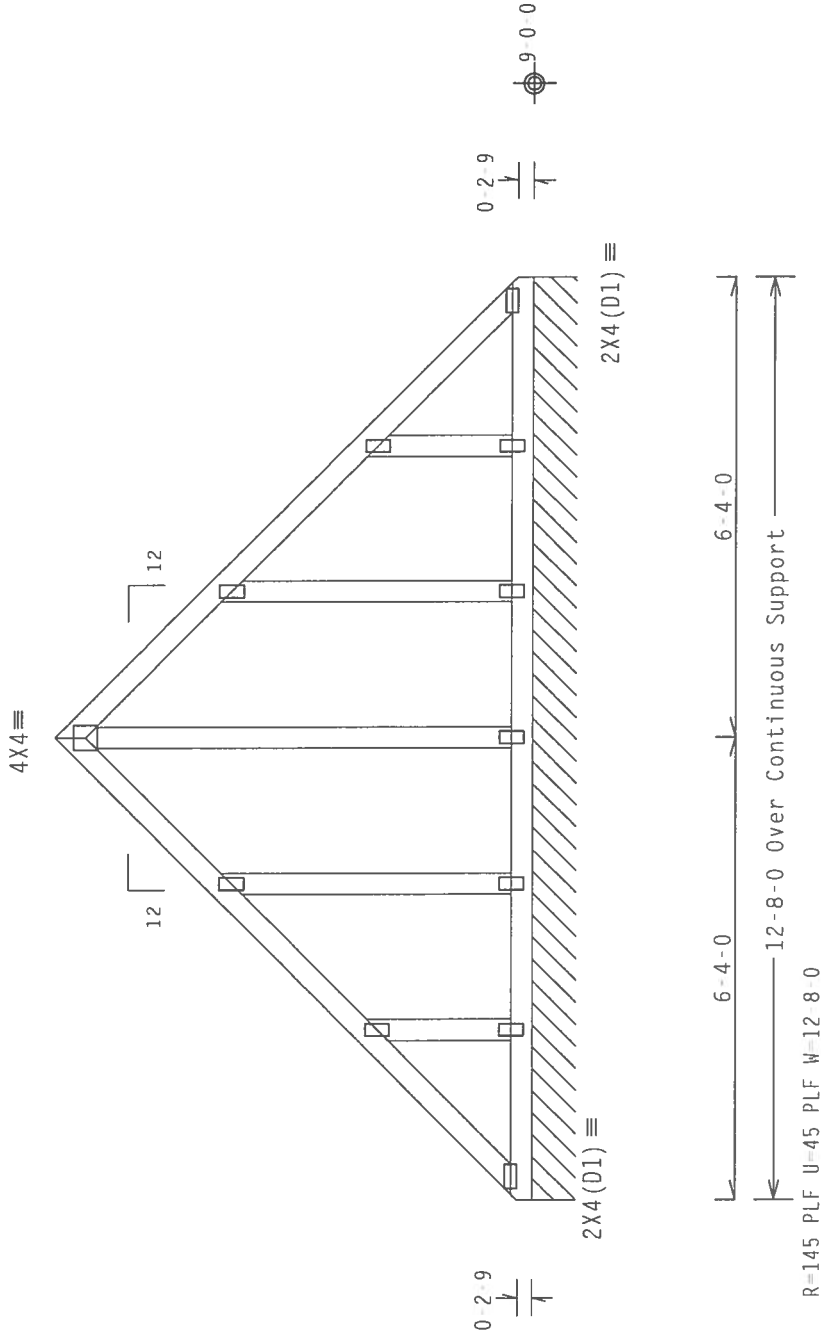
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

110 mph wind, 15.00 ft mean ht, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

The overall height of this truss excluding overhang is 6-6-8.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

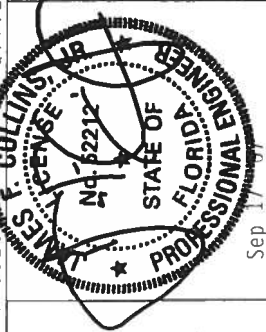
Cq/RT=1.00(1.25)/0(0)

7.38.0810

QTY: 1

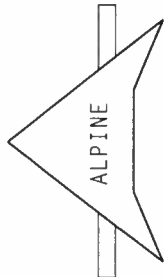
Scale = .375" / Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 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 BDS (NATIONAL DESIGN SPEC. BY ACPA) AND IPTI. 1TH BEG CONECTOR PLATES ARE MADE OF 2018/16GA (4-H/55/6) ASTH 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 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER MINER AS OF IPTI 2002 SEC 3. A SEAL OR THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT BUILDING DESIGNER PER ANA/IPTI 1 SEC. 2.



Sep 17 2007

TC LL	20.0 PSF	FL / - / 5 / - / R / -	Scale = .375" / Ft.
TC DL	10.0 PSF	REF R215 - - 96149	
BC DL	10.0 PSF	DATE 09/17/07	
BC LL	0.0 PSF	DRW HCUSR215 07260022	
TOT.LD.	40.0 PSF	HC-ENG EC/MHK	*
DUR.FAC.	1.25	SEQN- 197876	
SPACING	24.0"	FROM CDM	
		JREF - ITAU215_Z02	



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

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

Deflection meets L/240 live and L/180 total load.

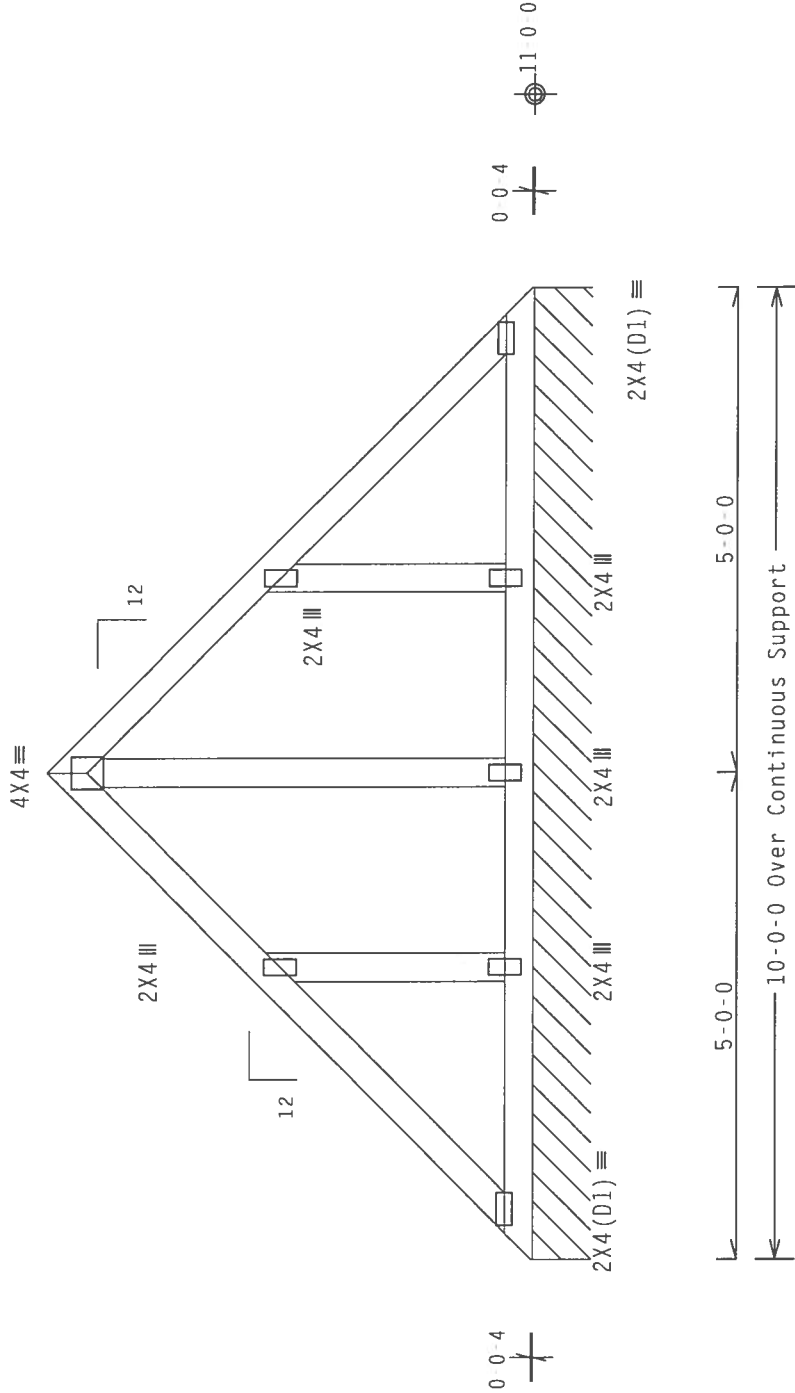
THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.

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. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.

The overall height of this truss excluding overhang is 5-0-4.



R-141 PLF U=62 PLF W=10 0 0

10-0-0 Over Continuous Support

PLT TYP. Wave

Design Crit: TPI-2002 (STD)/FBC

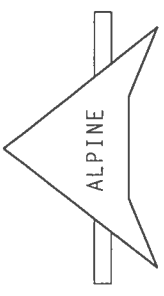
$C_q/RT=1.00(1.25)/0(0)$

QTY: 1 FL/-/5/-/-/R/-

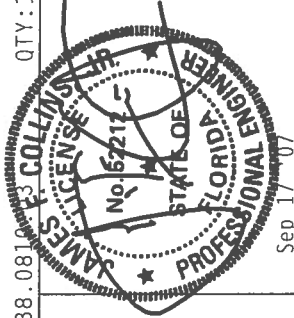
Scale = .5" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGNS FOR ALL CONNECTIONS. TRUSSES MUST BE INSTALLED BY TRUSS CONTRACTOR IN ACCORDANCE WITH NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22304, AND WEA (WOOD WORK) COMMITTEE OF AMERICA. UNLESS OTHERWISE INDICATED, TRUSSES SHALL BE 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 BEG, 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. DESIGNER PROVIDES WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND IPI. ITW BEG CONNECTION PLATES ARE MADE OF 2017/T1000 (4-11/25/76) ASTM A653 GRADE 40/60 (H, K/ZH-SS) GALV. STEEL. APPLY ADVISORY LABEL TO ALL TRUSSES AND, UNLESS OTHERWISE INDICATED, POSITION PIER DRAMINGS 100A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENTS BUILDING DESIGNER PER AWS/1/1 SEC. 2. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/1/1 SEC. 2.



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



Sep 1 / 07

TC LL	20.0	PSF	REF	R215--	96150
TC DL	10.0	PSF	DATE	09/17/07	
BC DL	10.0	PSF	DRW	HCUSR215	07260023
BC LL	0.0	PSF	HC-ENG	EC/MHK	*
TOT.LD.	40.0	PSF	SEQN-	197897	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1TAU215_Z02	

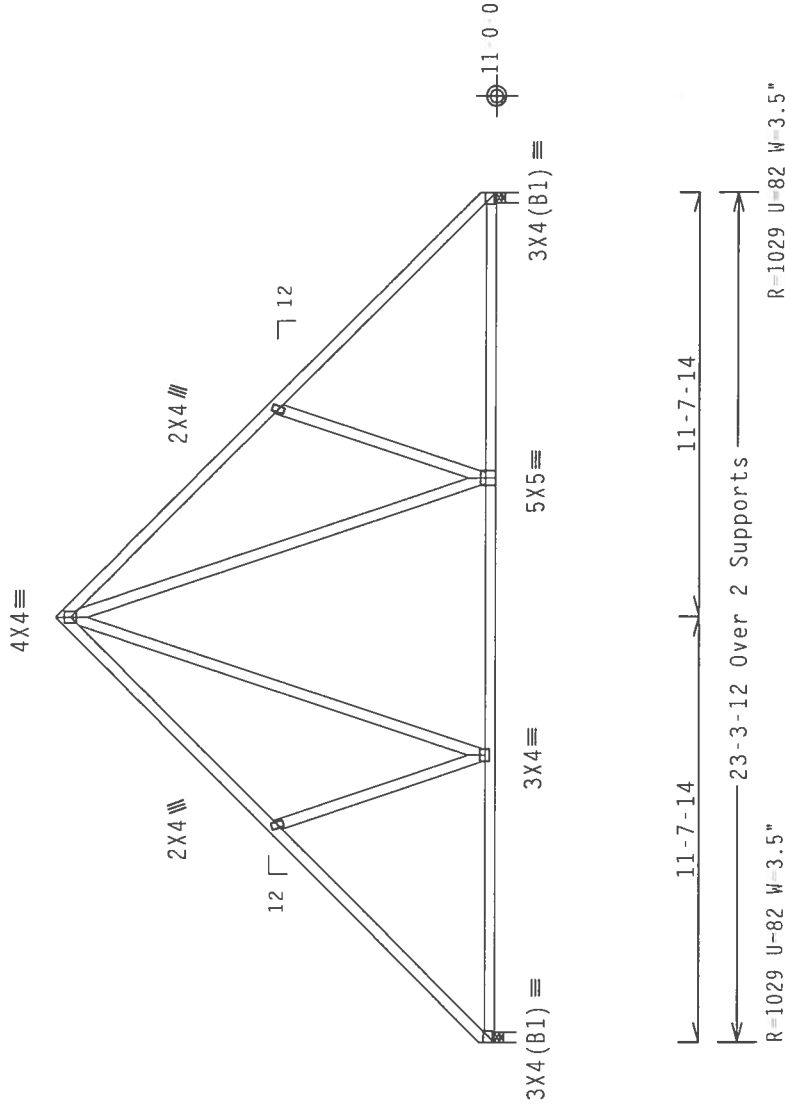
Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N

110 mph wind, 17.26 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 12'-1".



PLT TYP. Wave

Design Crit: TPI-2002 (STD)/FBC

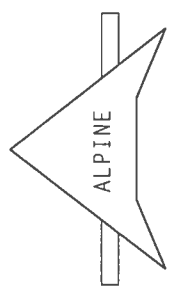
Cq/RT=1.00 (1.25)/0(0) 7.38.0810

QTY:3 FL/-/5/-/-/R/-

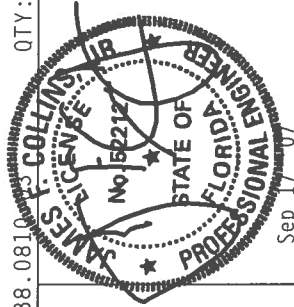
Scale = .1875"/Ft.

****WARNING**** BRUSSES, BRACING, SHIPPING, HANDLING, INSTALLATION AND BRACING REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTLUTION, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND NCA GOOD TRUSS COUNCIL OF AMERICA, 600 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROFESSIONS OF RDS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 2017/10/06 (4-11/55/73) ASH A653 GRADE 40/60 (4, 4/11-55) GALV STEEL. APPLY ANY RESPECTIVE LOCAL CODES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS CONTRACTOR 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.



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



Sep 17 07

TC LL	20.0	PSF	REF	R215--	96151
TC DL	10.0	PSF	DATE	09/17/07	
BC DL	10.0	PSF	DRW	HCUSR215	07260024
BC LL	0.0	PSF	HC-ENG	EC/WHK	*
TOT.LD.	40.0	PSF	SEQN-	197894	
DUR.FAC.	1.25		FROM	CDM	
SPACING	24.0"		JREF-	1TAU215_Z02	

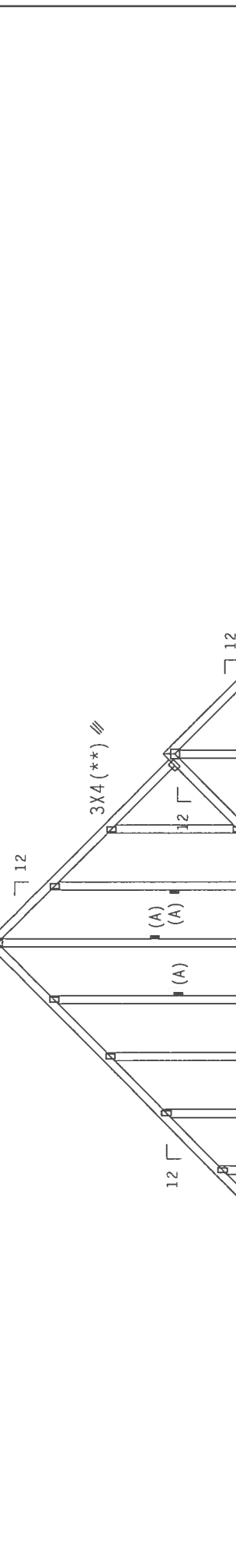
Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N

Gable end supports 8" max rake overhang.
 See DWGS A11030EE0207 & GBLETTIN0207 for more requirements.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

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

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



110 mph wind, 16.98 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Wind reactions based on MWFRS pressures.
 Deflection meets L/240 live and L/180 total load.
 The overall height of this truss excluding overhang is 11 8-2.

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

Scale = .1875" / Ft.

TC LL	20.0 PSF	FL / - / 5 / - / R / -	QTY: 1	7.38.0810	Scale = .1875" / Ft.
TC DL	10.0 PSF				REF R215 - - 96152
BC DL	10.0 PSF				DATE 09/17/07
BC LL	0.0 PSF				DRW HCUSR215 07260057
TOT. LD.	40.0 PSF				HC-ENG EC/WHK
DUR. FAC.	1.25				SEQN- 197890
SPACING	24.0"				FROM CDM
					JREF- ITAU215_Z02

Note: All Plates Are 2x4 Except As Shown.
 Design Crit: TPI-2000(STD)/FBC
 Cq/RT=1.00(1.25)/0(0)

11-7-14 6-5-7 5-0-0
 23-3-12 Over 2 Supports
 R-196 PLF U=27 PLF W=13-7-4
 R=720 U=26 W=3-5"

James F. Collins, Jr.
 Professional Engineer
 State of Florida
 No. 57214
 Sep 14, 2007

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURERS ASSOCIATION OF NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA. 22304, AND MECA 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. THE BCG DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE CEILING. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AIA/AIA/TPI 1 SEC. 2.

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

110 mph wind, 16.11 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.

Deflection meets L/240 live and L/180 total load.

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

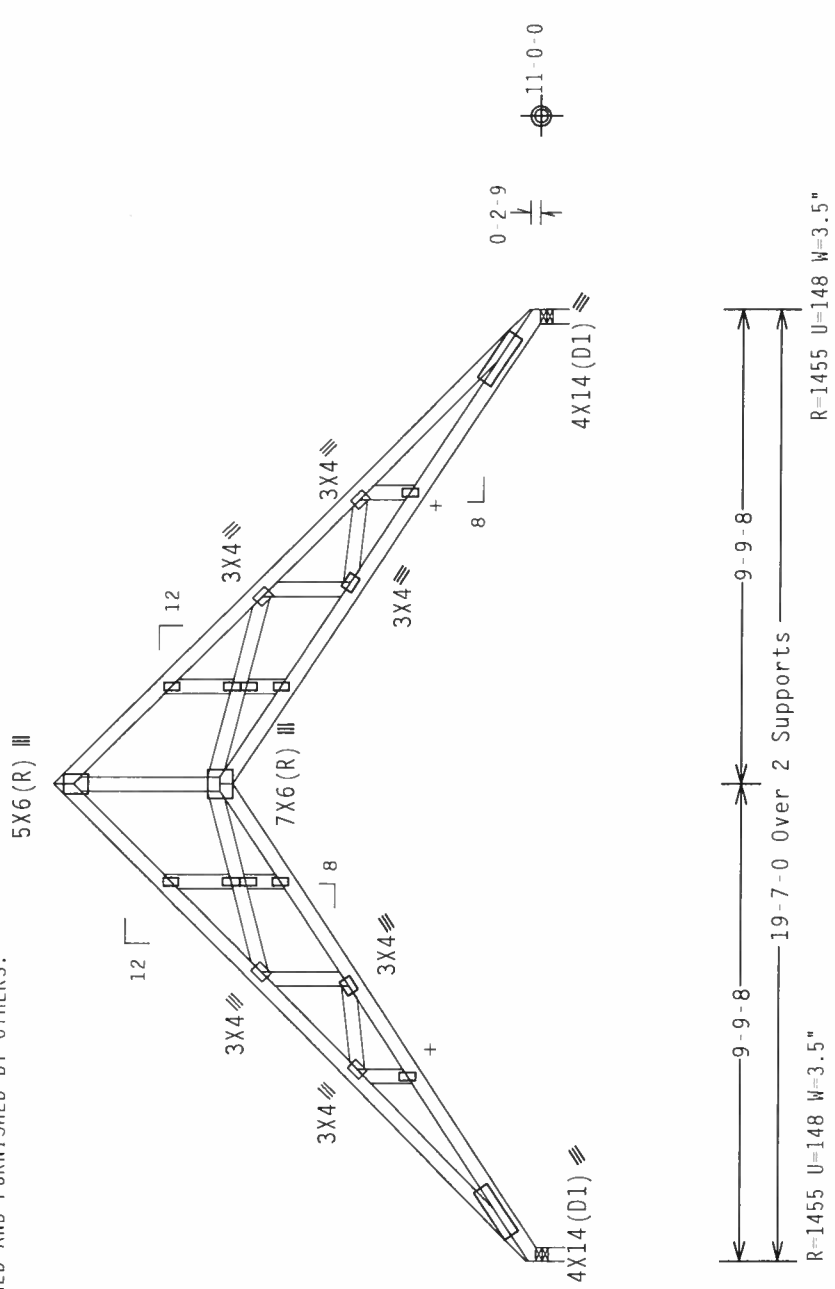
Calculated horizontal deflection is 0.51" due to live load and 0.44" due to dead load.

Gable end supports 8" max rake overhang.

See DWGS A11030EE0207 & GBLETTIN0207 for more requirements.

The overall height of this truss excluding overhang is 10'-0".

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



NOTE: ALL PLATES ARE 2X4 EXCEPT AS SHOWN

Design Crit: TPI-2002(STD)/FBC

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

QTY: 1 FL/-/5/-/-/R/-

Scale = .25"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PANEL INSTITUTE, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314), AND NCCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HADLISON, MI 48429) 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. ITRW 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 AISI (NATIONAL DESIGN SPEC. BY AFRPA) AND TPI. ITRW BCG CONNECTION PLATES ARE MADE OF 2018/1716GA (A71/557K) ASTM A563 GRADE 40/60 (4, 6/16-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T6GA 2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES AND ALL DIMENSIONS SHALL BE TO THE CENTERLINE UNLESS OTHERWISE INDICATED. ACCEPTANCE OF PROFESSIONAL ENGINEER REQUIRED FOR THE TRUSS COMPONENT DESIGN. DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.

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

James F. Collins
Professional Engineer
State of Florida
License No. 22173
Sep 17 2007

TC LL	20.0 PSF	REF	R215 - - 96153
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 0726005B
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEON-	197913
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1TAU215 Z02

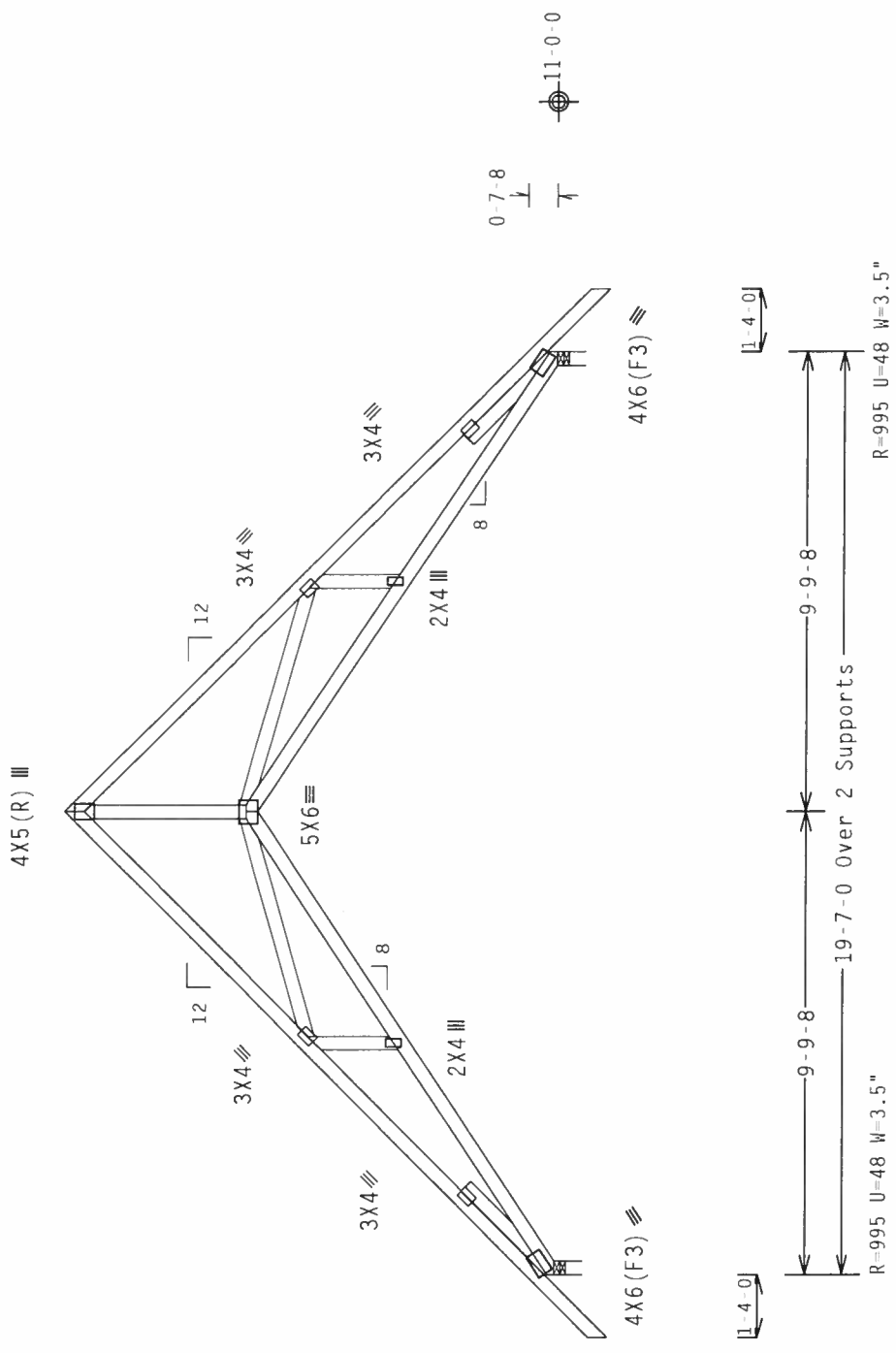
Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N
 :Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.534'
 :Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.534'

Calculated horizontal deflection is 0.20" due to live load and 0.25" due to dead load.

110 mph wind, 15.85 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18
 Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-5-0.



PLT TYP. Wave

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

QTY: 3

Scale = .25" / Ft.

****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, 20 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND HCCA (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. ITM 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 IBC (NATIONAL DESIGN SPEC. BY ACPA) AND TPI. ITM BCG CONNECTOR PLATES ARE MADE OF 70/18/17/16GA (40/55/75) ASTM A653 GRADE 40/60 (4, 6/16, 55) GALV. STEEL. APPLY ANY INSPECTION OF PLATES. ITM BCG SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN OF THIS BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group, Inc.
 Haines City, FL 33844

FL Certificate of Authorization # 567

JAMES I. COLLIKER
 LICENSED PROFESSIONAL ENGINEER
 No. 12272
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

Sep 14

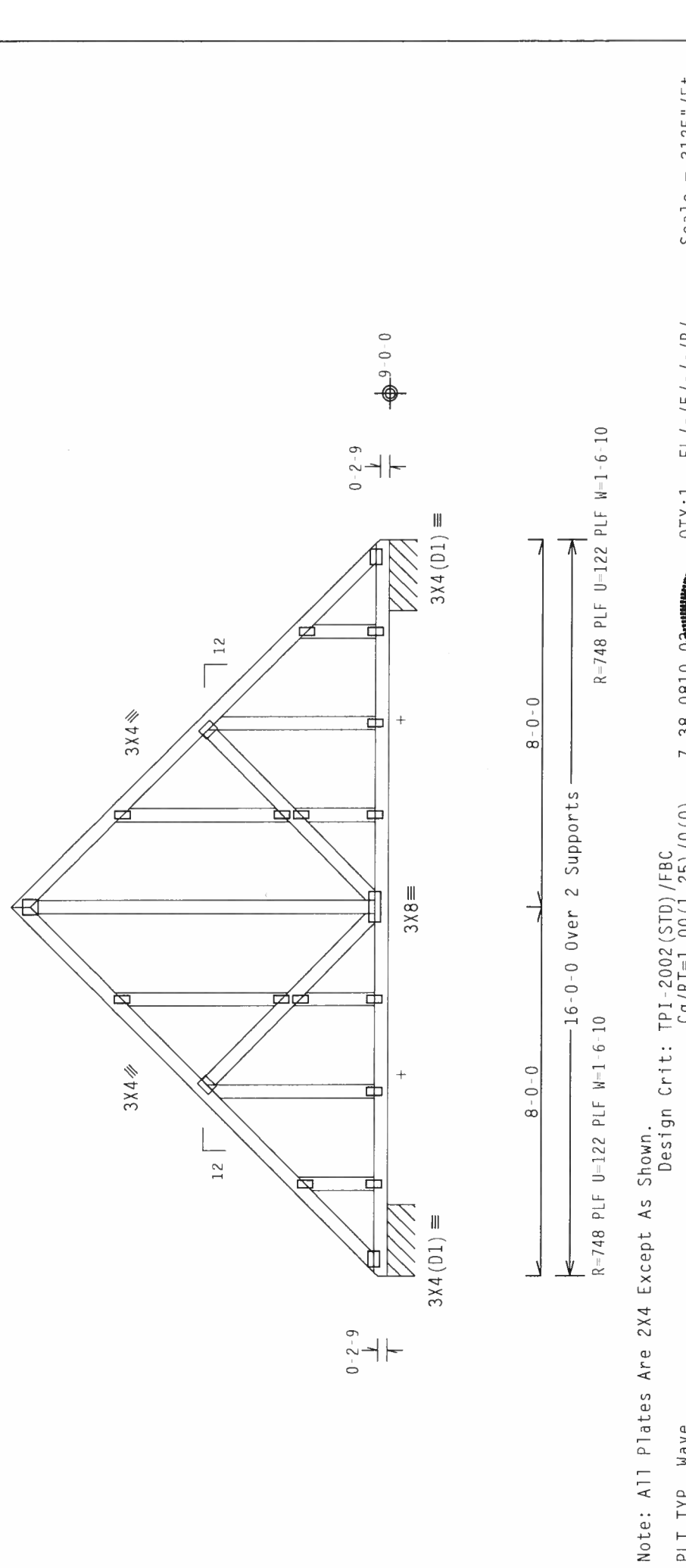
TC LL	20.0 PSF	REF	R215 - -	96154
TC DL	10.0 PSF	DATE	09/17/07	
BC DL	10.0 PSF	DRW	HCUSR215	07260059
BC LL	0.0 PSF	HC-ENG	EC/WHK	
TOT. LD.	40.0 PSF	SEON -	197916	
DUR. FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF -	1TAU215_Z02	

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. lw=1.00 GCpl(+/-)=0.18

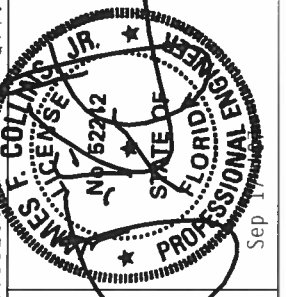
Wind reactions based on MWFRS pressures.
Deflection meets L/240 live and L/180 total load.

MEMBER TO BE Laterally Braced for Horizontal Wind Loads. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.

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

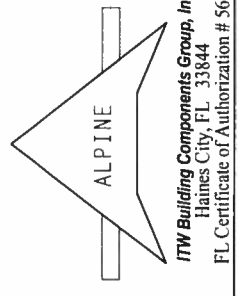


<p>Top chord 2x4 SP #2 N Bot chord 2x4 SP #2 N Webs 2x4 SP #2 N</p> <p>Gable end supports 8" max rake overhang.</p> <p>See DWGS A11015EE0207 & GBLLETIN0207 for more requirements.</p> <p>The overall height of this truss excluding overhang is 8-2-8.</p>	<p>110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpl(+/-)=0.18</p> <p>Wind reactions based on MWFRS pressures. Deflection meets L/240 live and L/180 total load.</p> <p>MEMBER TO BE Laterally Braced for Horizontal Wind Loads. BRACING SYSTEM TO BE DESIGNED AND FURNISHED BY OTHERS.</p> <p>THE BUILDING DESIGNER IS RESPONSIBLE FOR THE DESIGN OF THE ROOF AND CEILING DIAPHRAGMS, GABLE END SHEAR WALLS, AND SUPPORTING SHEAR WALLS. SHEAR WALLS MUST PROVIDE CONTINUOUS LATERAL RESTRAINT TO THE GABLE END. ALL CONNECTIONS TO BE DESIGNED BY THE BUILDING DESIGNER.</p>	<p>0-2-9</p> <p>0-2-9</p> <p>8-0-0</p> <p>8-0-0</p> <p>16-0-0 Over 2 Supports</p> <p>R=748 PLF U=122 PLF W=1-6-10</p> <p>R=748 PLF U=122 PLF W=1-6-10</p> <p>3X4 (D1) ≡</p> <p>3X8 ≡</p> <p>3X4 ≡</p> <p>3X4 ≡</p> <p>3X4 (D1) ≡</p> <p>4X4 ≡</p> <p>12</p> <p>12</p> <p>0-2-9</p> <p>0-2-9</p> <p>Scale = .3125" / Ft.</p>	<p>PLT TYP. Wave</p> <p>Note: All Plates Are 2X4 Except As Shown.</p> <p>Design Crit: TPI-2002(STD)/FBC</p> <p>Cq/RT=1.00(1.25)/0(0)</p> <p>7.38.0810</p> <p>QTY:1</p> <p>FL/-/5/-/-/R/-</p> <p>REF R215-- 96156</p> <p>DATE 09/17/07</p> <p>DRW HCUSR215 07260061</p> <p>HC-ENG EC/MHK</p> <p>SEGN- 197901</p> <p>FROM CDM</p> <p>JREF- 1TAU215_Z02</p>
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****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION FOR THE TRUSS MANUFACTURER'S INSTRUCTIONS. THE TRUSS MANUFACTURER'S INSTRUCTIONS ARE AVAILABLE FROM THE TRUSS MANUFACTURER OR THE TRUSS MANUFACTURER'S DISTRIBUTOR. THE TRUSS MANUFACTURER'S INSTRUCTIONS ARE AVAILABLE FROM THE TRUSS MANUFACTURER OR THE TRUSS MANUFACTURER'S DISTRIBUTOR. THE TRUSS MANUFACTURER'S INSTRUCTIONS ARE AVAILABLE FROM THE TRUSS MANUFACTURER OR THE TRUSS MANUFACTURER'S DISTRIBUTOR.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.



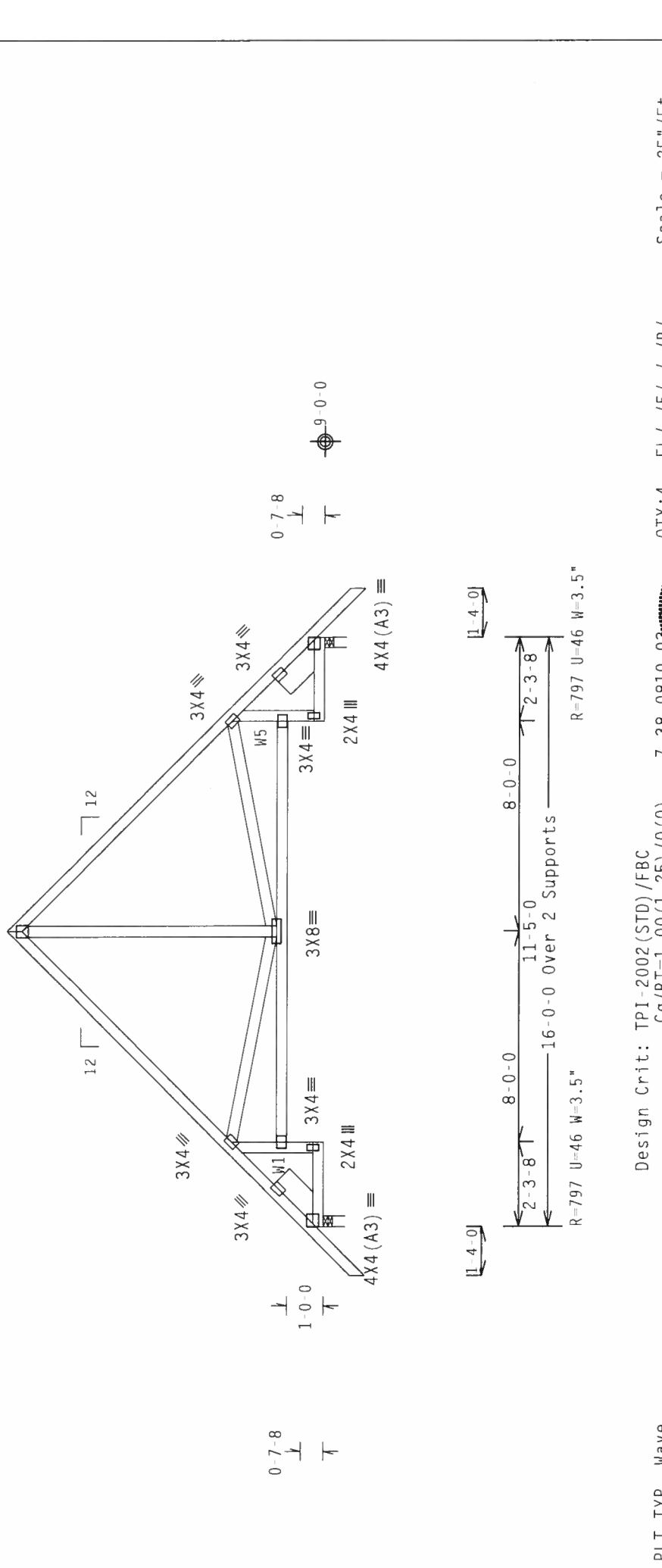
Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N :W1, W5 2x4 SP #2 Dense:
 :Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.500'
 :Rt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.500'

Deflection meets L/240 live and L/180 total 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. lw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 8-7-8.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810.00

Scale = .25" / Ft.

TC LL	20.0 PSF	REF	R215 - - 96158
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260026
BC LL	0.0 PSF	HC-ENG	EC/WHK *
TOT.LD.	40.0 PSF	SEQN-	197908
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1TAU215 Z02

QTY: 4 FL/- /5/- /- /R/-

SEP 17 2007
 JAMES F. COLLINS JR.
 LICENSE NO. 2212
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

SEP 17 2007
 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. ALL TRUSSES MUST BE PROTECTED FROM DAMAGE DURING TRANSPORT AND STORAGE. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE PROJECT. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE PROJECT. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE PROJECT.

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BEG. ENG. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SPECIFICATIONS, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE PROJECT. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE PROJECT. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS BEING USED IN THE PROJECT.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
 Top Chord: 1 Row @12.00" o.c.
 Bot Chord: 2 Rows @ 4.50" o.c. (Each Row)
 Webs : 1 Row @ 4" o.c.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

Bearing blocks: Nail type: 0.131"x3" Gun_nails
 BRG X-LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
 2 15.708' 2 12" 11 Rigid Surface
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CNBRG/BLK0207 for additional information.

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

Wind reactions based on MWFRS pressures.
 Deflection meets L/240 live and L/180 total 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. lw=1.00 GCpi(+/-)=0.18

The overall height of this truss excluding overhang is 8'-7-8.

PLT TYP. Wave

Scale = .25" / Ft.

QTY: 1 FL / - / 5 / - / - / R / -

REF R215 -- 96159
 DATE 09/17/07
 DRW HCUSR215 07260102
 HC-ENG EC/WHK
 SEQN 198117
 FROM CDM
 JREF- 1TAU215_Z02

SPECIAL LOADS

(LUMBER DUR_FAC=1.25 / PLATE DUR_FAC=1.25)

TC - From 68 PLF at -1.33 to 68 PLF at 8.00
 TC - From 68 PLF at 8.00 to 68 PLF at 17.33
 BC - From 20 PLF at 0.00 to 20 PLF at 2.29
 BC - From 20 PLF at 2.29 to 20 PLF at 13.71
 BC - From 20 PLF at 13.71 to 20 PLF at 16.00
 BC - 4399 LB Conc. Load at 7.13
 BC - 1613 LB Conc. Load at 9.06
 BC - 1598 LB Conc. Load at 11.06, 13.06, 15.06

Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810

R=4792 U=803 W=3.5"
 R=7610 U=1027 W=3.5"

14399#

11-5-0
 8-0-0
 2-3-8
 16-0-0 Over 2 Supports
 8-0-0
 2-3-8

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (LUMBER PLATE INSTITUTE, 214 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 EMERSON 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. THE BEG, 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 IBCS (NATIONAL DESIGN SPEC. BY ATRPA) AND TPI. THE BEG CONNECTOR PLATES ARE MADE OF 2018/10GA (40/57/57) ASTM A653 GRADE 40/60 (4. 8/PLSS) GALV. STEEL. APPLY TO THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN, POSITION PER DRAWINGS 60A-Z. ANY INSPECTION OF PLATES FOLLOWED BY THE DESIGNER SHALL BE PERFORMED BY THE DESIGNER. THE DESIGNER'S DRAWING INDICATES ACCEPTABLE 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.

ALPINE

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

SEP 17 2007
 F. COLLINS, JR.
 LICENSE # 50712
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

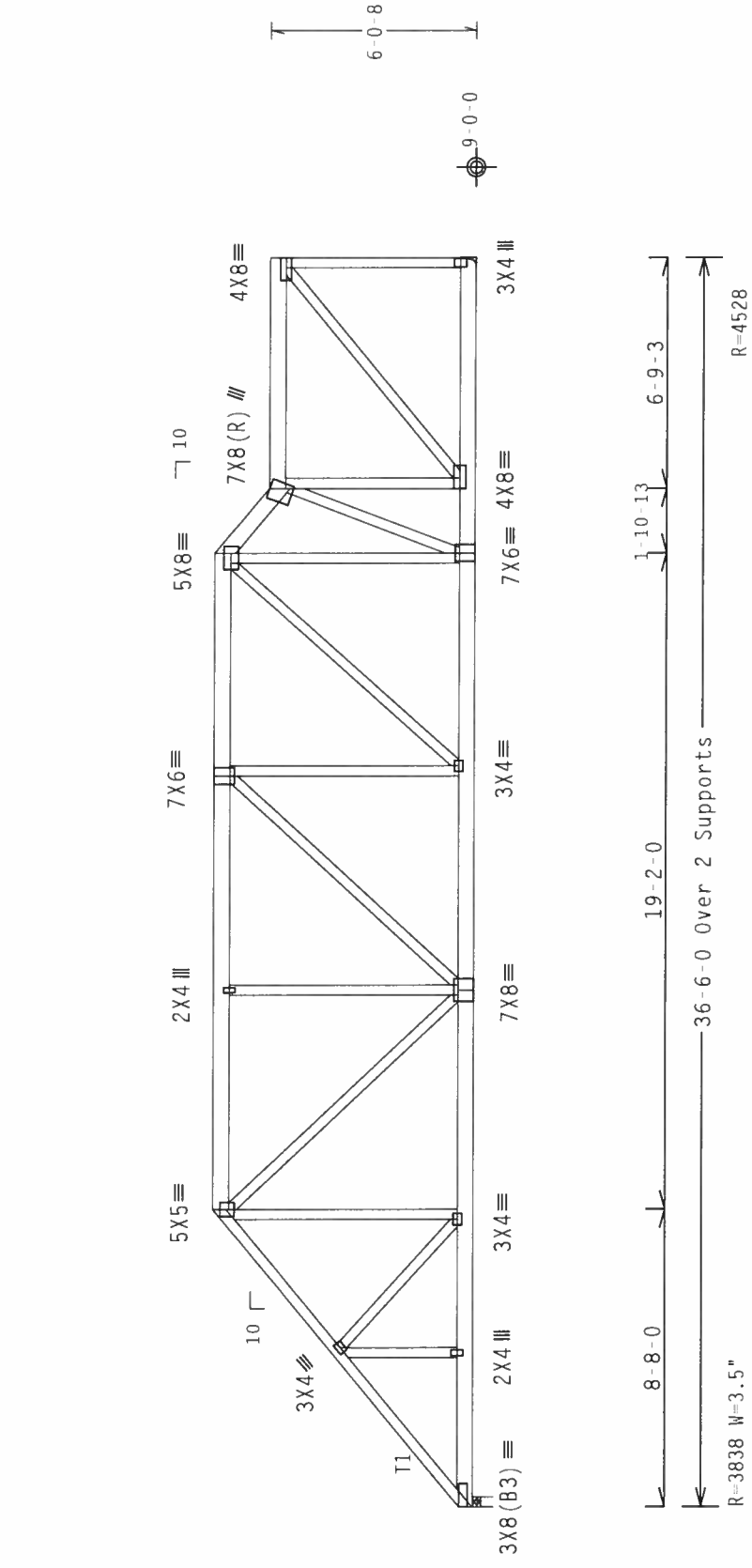
2 COMPLETE TRUSSES REQUIRED

NAILING Schedule: (0.131"x3" Gun_nails)
 Top Chord: 1 Row @ 4.00" 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 not exposed to wind pressure.
 Left side jacks have 8-8-0 setback with 0-0-0 cant and 1-4-0 overhang. End jacks have 7-0-0 setback with 0-0-0 cant and 1-4-0 overhang. Right side jacks have 0-0-0 setback with 0-0-0 cant and 0-0-0 overhang.

Top chord 2x6 SP #2 N : T1 2x4 SP #2 N :
 Bot chord 2x6 SP #2 N :
 Webs 2x4 SP #2 N

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 G_{CPI}(+/-)=0.18
 Wind reactions based on MMFRS pressures.
 #1 hip supports 8-8-0 jacks with no webs.
 Deflection meets L/240 live and L/180 total load.
 The overall height of this truss excluding overhang is 7-7-8.



Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale = .1875"/Ft.

TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	

REF R215-- 96160
 DATE 09/17/07
 DRW HCUSR215 07260062
 HC-ENG EC/WHK
 SEQN- 197983
 FROM CDM
 JREF- 1TAU215_Z02

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE DESIGNER SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY CONNECTIONS AND BRACING. THE TRUSS SHALL BE SHIPPED AND BRACED TO REMAIN STRAIGHT AND TRUE. THE TRUSS SHALL BE STORED UPRIGHT AND PROTECTED FROM WEATHER. THE TRUSS SHALL BE INSTALLED AND BRACED IN ACCORDANCE WITH THE DESIGN DRAWINGS AND ALL APPLICABLE CODES AND REGULATIONS. THE TRUSS SHALL BE INSTALLED AND BRACED IN ACCORDANCE WITH THE DESIGN DRAWINGS AND ALL APPLICABLE CODES AND REGULATIONS. THE TRUSS SHALL BE INSTALLED AND BRACED IN ACCORDANCE WITH THE DESIGN DRAWINGS AND ALL APPLICABLE CODES AND REGULATIONS.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION OF ALL NECESSARY CONNECTIONS AND BRACING. THE TRUSS SHALL BE SHIPPED AND BRACED TO REMAIN STRAIGHT AND TRUE. THE TRUSS SHALL BE STORED UPRIGHT AND PROTECTED FROM WEATHER. THE TRUSS SHALL BE INSTALLED AND BRACED IN ACCORDANCE WITH THE DESIGN DRAWINGS AND ALL APPLICABLE CODES AND REGULATIONS. THE TRUSS SHALL BE INSTALLED AND BRACED IN ACCORDANCE WITH THE DESIGN DRAWINGS AND ALL APPLICABLE CODES AND REGULATIONS. THE TRUSS SHALL BE INSTALLED AND BRACED IN ACCORDANCE WITH THE DESIGN DRAWINGS AND ALL APPLICABLE CODES AND REGULATIONS.

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

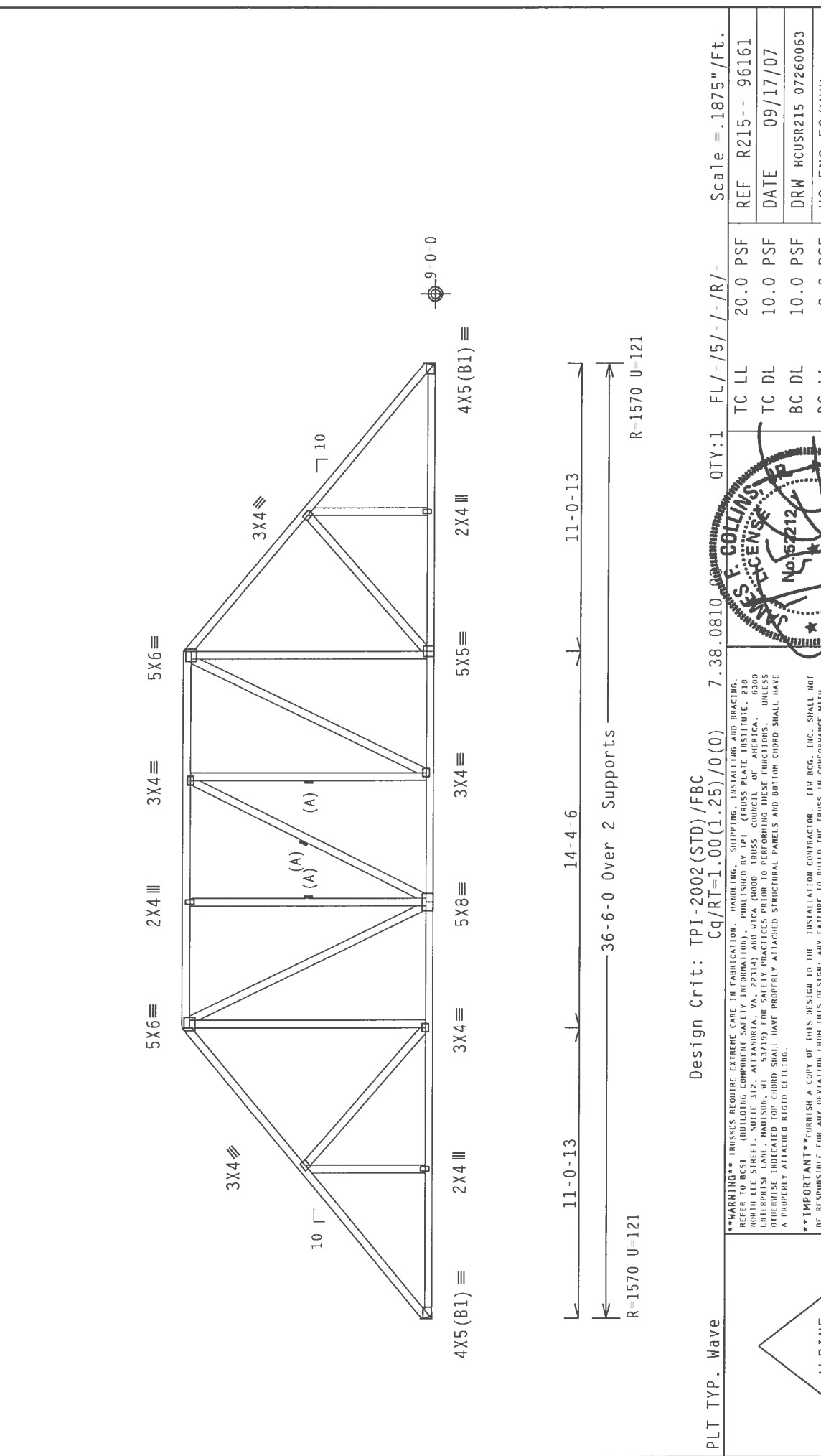
JAMES F. GOFFIN, JR.
 PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 No. 5272
 Sep 17 2007

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. $I_w=1.00$ GCpi(+/-)=0.18

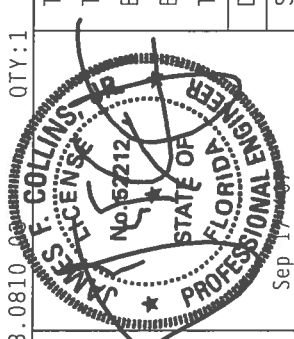
Wind reactions based on MWFRS pressures. Deflection meets L/240 live and L/180 total load.

Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace, 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

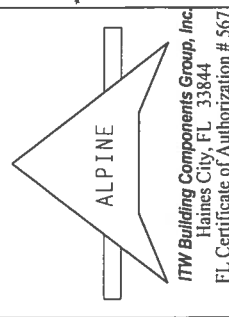
The overall height of this truss excluding overhang is 9'-7.8".



PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0)	7.38.0810	QTY:1	FL/-/5/-/R/-	Scale = .1875"/Ft.
			TC LL	20.0 PSF	REF R215-- 96161
			TC DL	10.0 PSF	DATE 09/17/07
			BC DL	10.0 PSF	DRW HCUSR215 07260063
			BC LL	0.0 PSF	HC-ENG EC/WHK
			TOT.L.D.	40.0 PSF	SEQN- 197990
			DUR.FAC.	1.25	FROM CDM
			SPACING	24'-0"	JREF- 1TAU215_Z02



***WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AEP/A) AND TPI. 1TH BGG CONNECTOR PLATES ARE MADE OF 2018/166A (4H/55/K) ASTM A653 GRADE 40/60 (4. 6/1.55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX A3 OF TPI 2002 SEC.3. A SEAL ON THIS DESIGN INDICATES A SEALABLE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE CROSS COMPONENT DESIGN SHOWING THE SEALABILITY OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMBEX/TPI 1 SEC. 2.

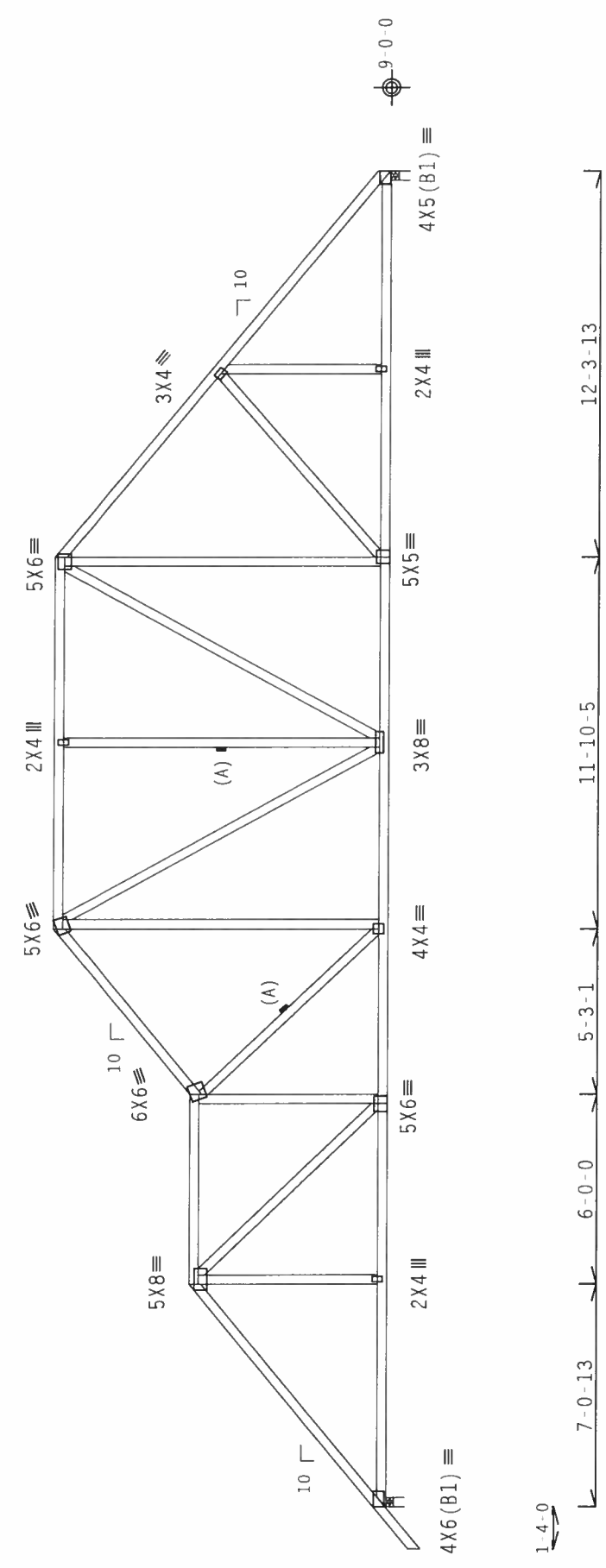


(4883 /MCNEIL RESIDENCE /BLAKE CONSTRUCTION -- Lot 8 Country Lakes @ - A20)

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace, 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.
 The overall height of this truss excluding overhang is 10-8-0.

110 mph wind, 15.00 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. $I_w=1.00$ $G_{Cpi} (+/-)=0.18$
 Wind reactions based on MWFRS pressures.
 Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave
 Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale = .1875"/Ft.
 REF R215-- 96162
 DATE 09/17/07
 DRW HCUSR215 07260027
 HC-ENG EC/WHK
 SEQN- 198192
 FROM CDM
 JREF- 1TAU215_Z02

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 UGSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304, AND WCA (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. THE CONTRACTOR 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 IBCS (NATIONAL DESIGN SPEC. BY ATRPA) AND TPI. 17H BGG CONNECTOR PLATES ARE MADE OF 2010/176GA (K/AV/SS/7K) ASTM A653 GRADE 40/60 (K/AV/SS) GALV. STEEL. APPLY MAX 15% TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ALL TRUSS PARTS SHALL BE MADE OF 2010/176GA (K/AV/SS/7K) ASTM A653 GRADE 40/60 (K/AV/SS) GALV. STEEL. THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER RESPONSIBILITY FOR THE DESIGN AND THE CONTRACTOR'S RESPONSIBILITY FOR THE INSTALLATION AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AHSI/TPI 1 SEC. 2.

JAMES F. COLLINS
 STATE LICENSE NO. 52272
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

Sep 14 2007

IC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

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

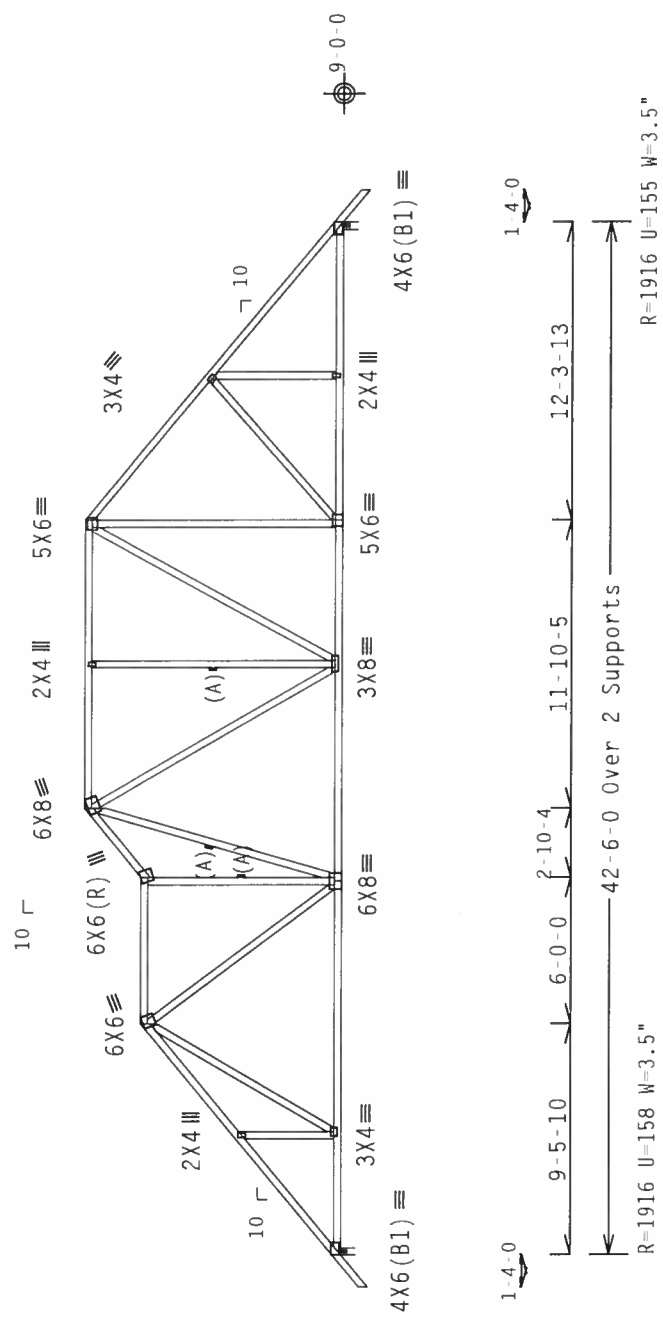
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

The overall height of this truss excluding overhang is 10-8-0.

110 mph wind, 15.00 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. $I_w=1.00$ $G_C p_i(+/-)=0.18$

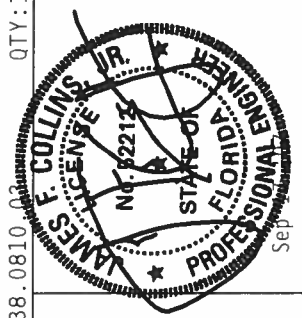
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.



Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810.00 QTY:1 FL/-/5/-/-/R/- Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R215 - 96163
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260028
BC LL	0.0 PSF	HC-ENG	EC/MHK
TOT.LD.	40.0 PSF	SEQN	198196
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	ITAU215_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND BRACING OF THE TRUSS. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND BRACING OF THE TRUSS. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND BRACING OF THE TRUSS. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND BRACING OF THE TRUSS.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE B.C.G., INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE B.C.G., INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR.

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

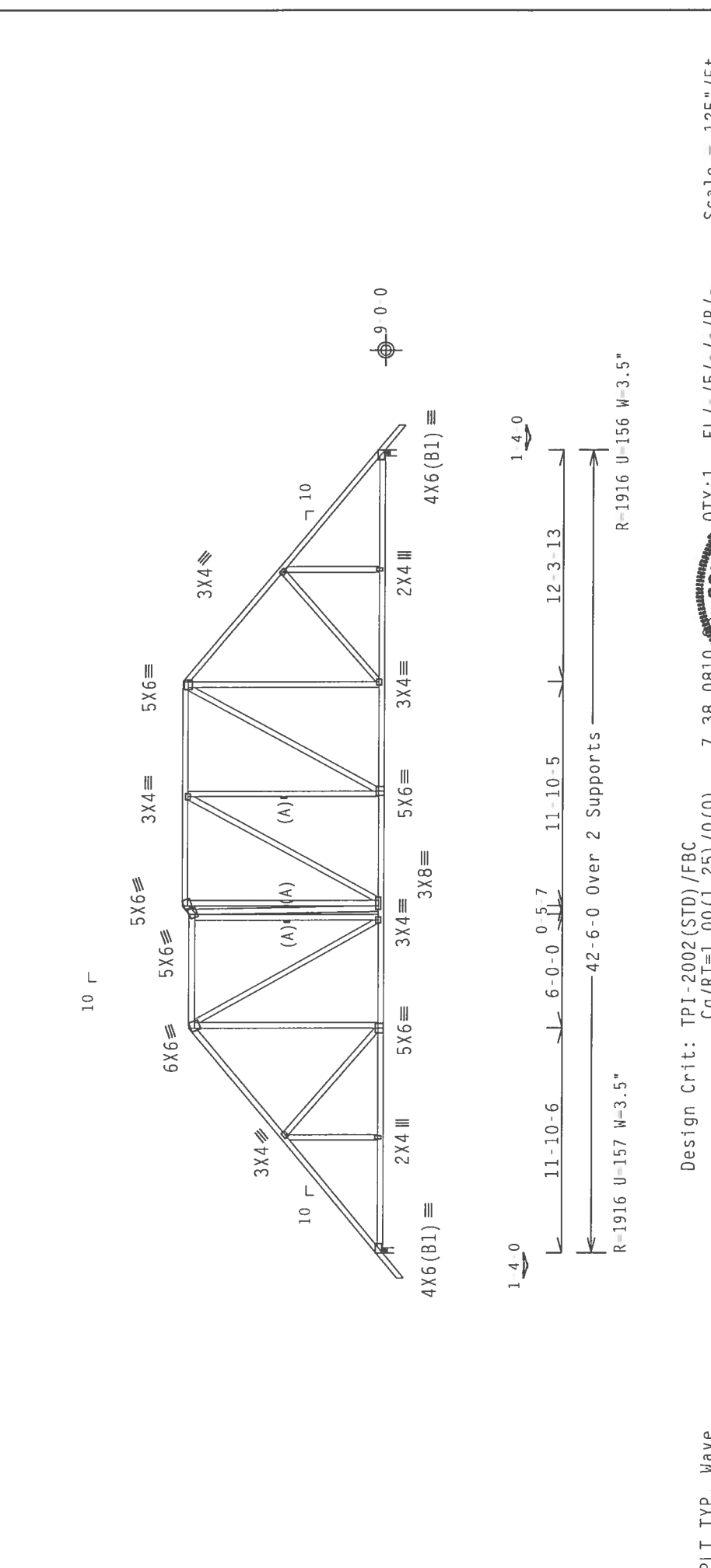
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)-0.18

Wind reactions based on MWFRS pressures. Deflection meets L/240 live and L/180 total load.

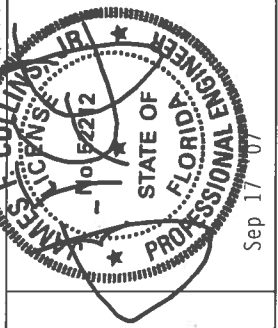
Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace, 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

The overall height of this truss excluding overhang is 10-8-0.



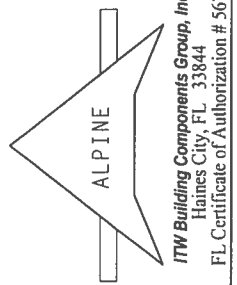
PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0)	7.38-0810	QTY: 1	FL / - / 5 / - / - / R / -	Scale = .125" / Ft.
			TC LL	20.0 PSF	REF R215 - 96164
			TC DL	10.0 PSF	DATE 09/17/07
			BC DL	10.0 PSF	DRW HCUSR215 07260029
			BC LL	0.0 PSF	HC-ENG EC/MHK *
			TOT.LD.	40.0 PSF	SEON- 198200
			DUR.FAC.	1.25	FROM CDM
			SPACING	24.0"	JREF- 1TAU215_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 216 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND NCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HADISON, NJ 07719) 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. THE B.C.G., 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 COMPANIES WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. THE B.C.G. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE B.C.G. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE B.C.G. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE B.C.G. SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS.



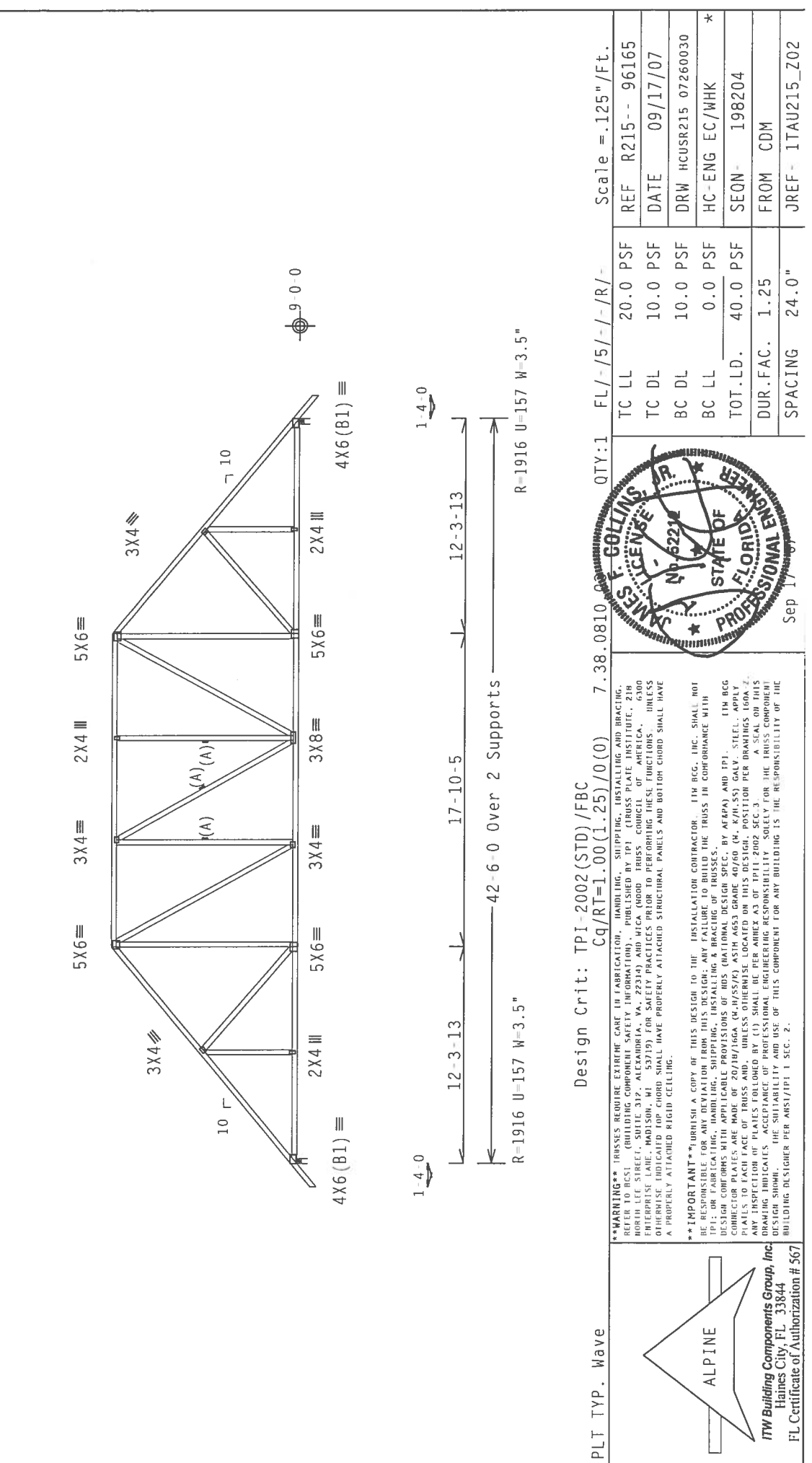
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures. Deflection meets L/240 live and L/180 total load.

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

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace, 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

The overall height of this truss excluding overhang is 10-8-0.



Scale = .125" / Ft.

REF	R215 --	96165
DATE	09/17/07	
DRW	HCUSR215	07260030
HC-ENG	EC/MHK	*
SEON	198204	
FROM	CDM	
JREF	1TAU215_Z02	

QTY: 1 FL/-/5/-/-/R/-

TC LL 20.0 PSF
TC DL 10.0 PSF
BC DL 10.0 PSF
BC LL 0.0 PSF
TOT.LD. 40.0 PSF

DUR.FAC. 1.25
SPACING 24.0"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810

****WARNING**** TRUSSES REQUIRE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION FOR THE TRUSS MANUFACTURER. TRUSSES ARE NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE MANUFACTURER. TRUSSES ARE NOT TO BE USED IN AREAS WHERE 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 THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC., BY ACPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/176GA (M-37/SSK) ASTM A653 GRADE 40/60 (M- K/AL-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS LOGA 2. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. ITW BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS DESIGN SHOWING THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

PLT TYP. Wave

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

Professional Engineer
STATE OF FLORIDA
No. 62214
Sep 17 2007

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

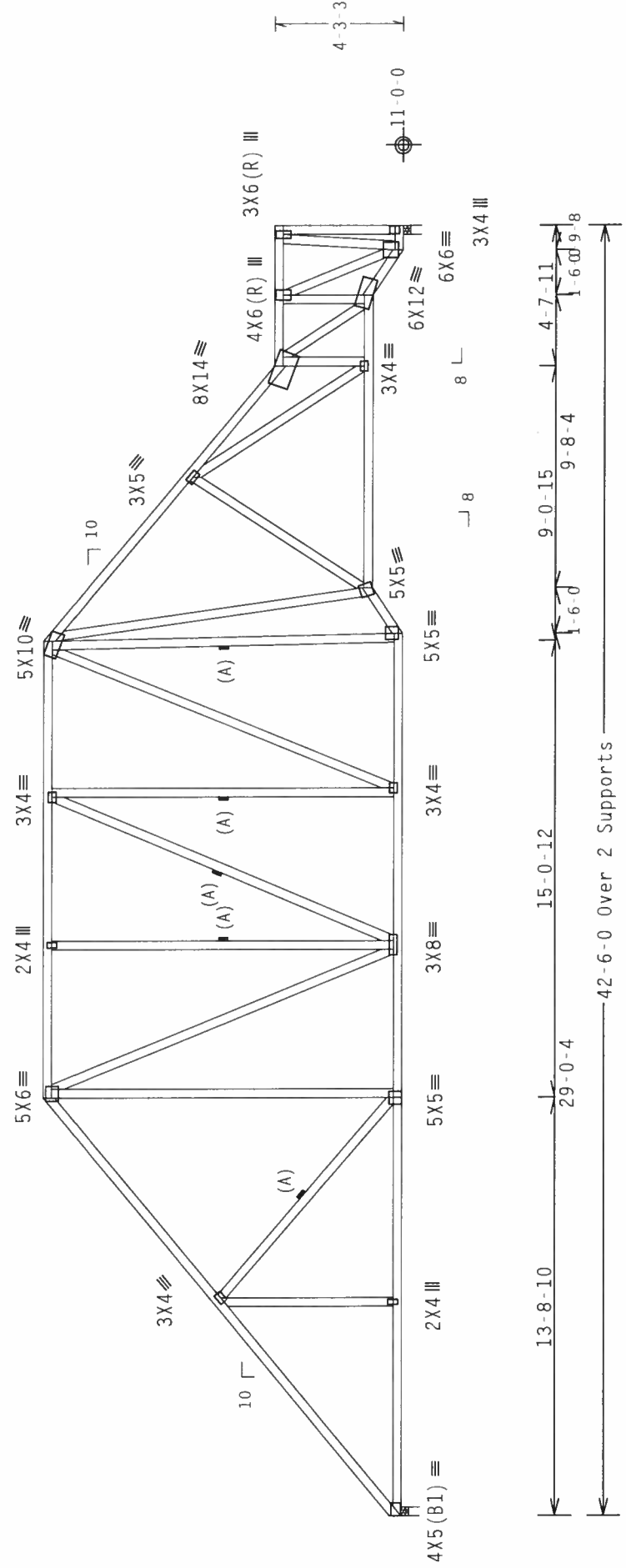
110 mph wind, 17.12 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ GCpl(+/-)=0.18

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace, 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Wind reactions based on MWFRS pressures.
 Right end vertical not exposed to wind pressure.

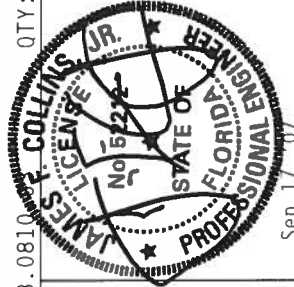
Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 11-10-0.



R=1837 U=158 W=3.5" R=1832 U=175 W=3.5"

PLT TYP. Wave Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0) 7.38.0810 Scale = .1875"/Ft.	QTY: 1 FL/-/5/-/-/ /-	
	TC LL 20.0 PSF	REF R215 - 96166
TC DL 10.0 PSF	DATE 09/17/07	
BC DL 10.0 PSF	DRW HCUSR215 07260031	
BC LL 0.0 PSF	HC-ENG EC/MHK *	
TOT.LD. 40.0 PSF	SEQN 198152	
DUR.FAC. 1.25	FROM CDM	
SPACING 24.0"	JREF- 1TAU215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BESS (BUILDING SAFETY SYSTEMS), PUBLISHED BY THE TRUSS INSTITUTE, 210 NORTH LEE STREET, SUITE 100, LITTLETON, CO 80120, (303) 733-1100, (800) 451-7273, WWW.BESS-TRUSS.COM, IS THE AUTHORITY ON TRUSS 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. THE DEG. ENG. 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 IBCS (NATIONAL DESIGN SPEC. BY AISC) AND TPI. THE BESS CONNECTOR PLATES ARE MADE OF 2018/16GA (M-4557) ASH 6033 GRAD 40/60 (M- K/4-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT BUILDING SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

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

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

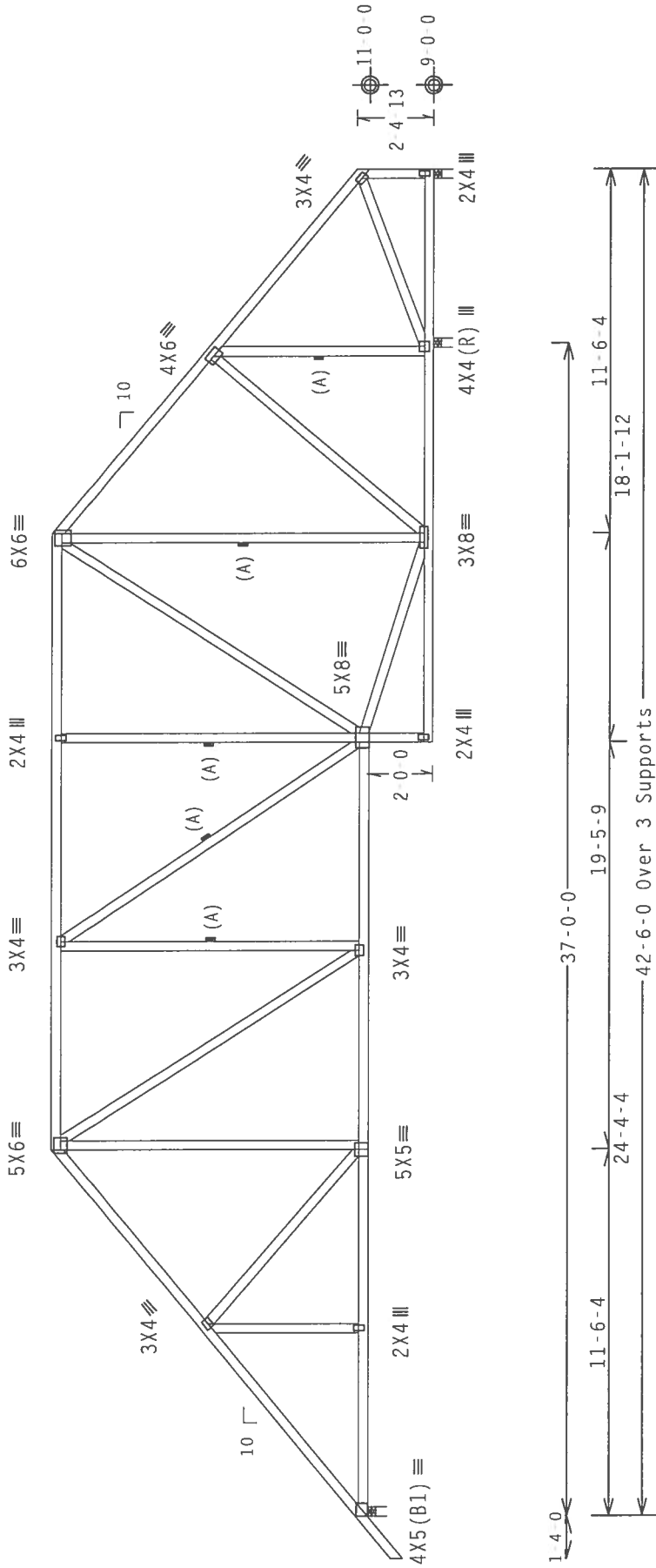
110 mph wind, 15.64 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 6.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_Cp_i(+/-)=0.18$

(A) Continuous lateral bracing equally spaced on member.

Wind reactions based on MWFRS pressures.
 Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 10-0-0.



R=1632 U=138 W=3.5"

R=2203 U=227 W=3.5"
 R=90 U=63 W=3.5"

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

QTY: 1 FL/-/5/-/ -/R/- Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO UCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 ENTERPRISE LANE, HUNTSVILLE, AL 35894) FOR SAFETY PRACTICES. PANELS OR PERFORATED STEEL FRAMING, 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. ITH 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 IBCS (NATIONAL DESIGN SPEC. BY AIA/ASA) AND TPI. ITH BCG CONTRACTOR PLATES ARE MADE OF 2018/16GA (N-11/55/K) ASH 6053 GRADE 40/60 (W. K/H.55) 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 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DRAWING INDICATES. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHALL BE THE SOLE RESPONSIBILITY OF THE DESIGNER. THE SOLE RESPONSIBILITY FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMST/PTI 1 SEC. 2.

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

James F. Collins, Jr.
 No. 57412
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Sep 17 2002

REF	R215--	96167
DATE	09/17/07	
DRW	HCUSR215	07260064
HC-ENG	EC/WHK	
SEQN-	198148	
FROM	CDM	
JREF-	1TAU215_Z02	

TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT.LD.	40.0	PSF
DUR.FAC.	1.25	
SPACING	24.0"	

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

110 mph wind, 17.81 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. $I_w=1.00$ GCpi(+/-)=0.18

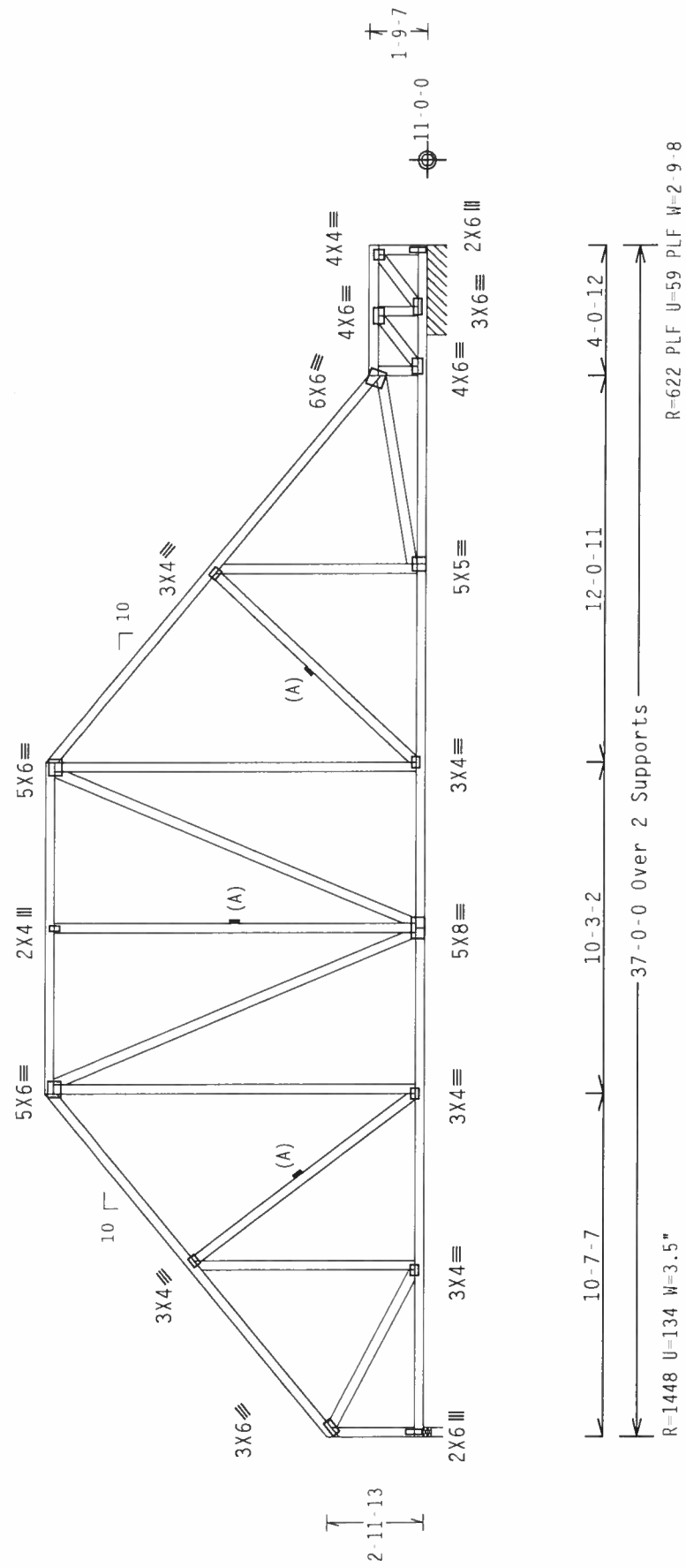
Left end vertical not exposed to wind pressure.

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace, 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 11-10-0.



R=1448 U=134 W=3.5"

37'-0-0 Over 2 Supports

R-622 PLF U=59 PLF W=2-9-8

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

Scale = .1875" / Ft.

TC LL	20.0	PSF
TC DL	10.0	PSF
BC DL	10.0	PSF
BC LL	0.0	PSF
TOT. LD.	40.0	PSF
DUR. FAC.	1.25	
SPACING	24.0"	

QTY: 1 FL / - / 5 / - / - / R / -

REF R215 - - 96170
 DATE 09/17/07
 DRW HCUSR215 07260065
 HC-ENG EC/WHK
 SEON - 198215
 FROM CDM
 JREF 1TAU215 Z02

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TRUSS MANUFACTURER'S INSTRUCTIONS FOR THE TRUSS MANUFACTURER'S TRUSS MANUFACTURING AND BRACING INSTRUCTIONS. THE TRUSS MANUFACTURER'S TRUSS MANUFACTURING AND BRACING INSTRUCTIONS ARE THE TRUSS MANUFACTURER'S TRUSS MANUFACTURING AND BRACING INSTRUCTIONS. THE TRUSS MANUFACTURER'S TRUSS MANUFACTURING AND BRACING INSTRUCTIONS ARE THE TRUSS MANUFACTURER'S TRUSS MANUFACTURING AND BRACING INSTRUCTIONS. THE TRUSS MANUFACTURER'S TRUSS MANUFACTURING AND BRACING INSTRUCTIONS ARE THE TRUSS MANUFACTURER'S TRUSS MANUFACTURING AND BRACING INSTRUCTIONS.

****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 IBCS (NATIONAL DESIGN SPEC. BY ATRPA) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (8-11/55/K) ASH A563 GRADE 40/60 (M. K/M. SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. THE LOCATION OF PLATES FOLLOWED BY (1) SHALL BE PER A563 AS OF TPI 2009 SECC.3. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S RESPONSIBILITY TO SELECT FOR THE TRUSS COMPONENT DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER A563/16PT.1 SEC. 2

PLT TYP. Wave

ALPINE

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

James T. Goetz, P.E.
 License No. 2212
 State of Florida
 Professional Engineer
 Sep 17, 2007

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

End verticals not exposed to wind pressure.

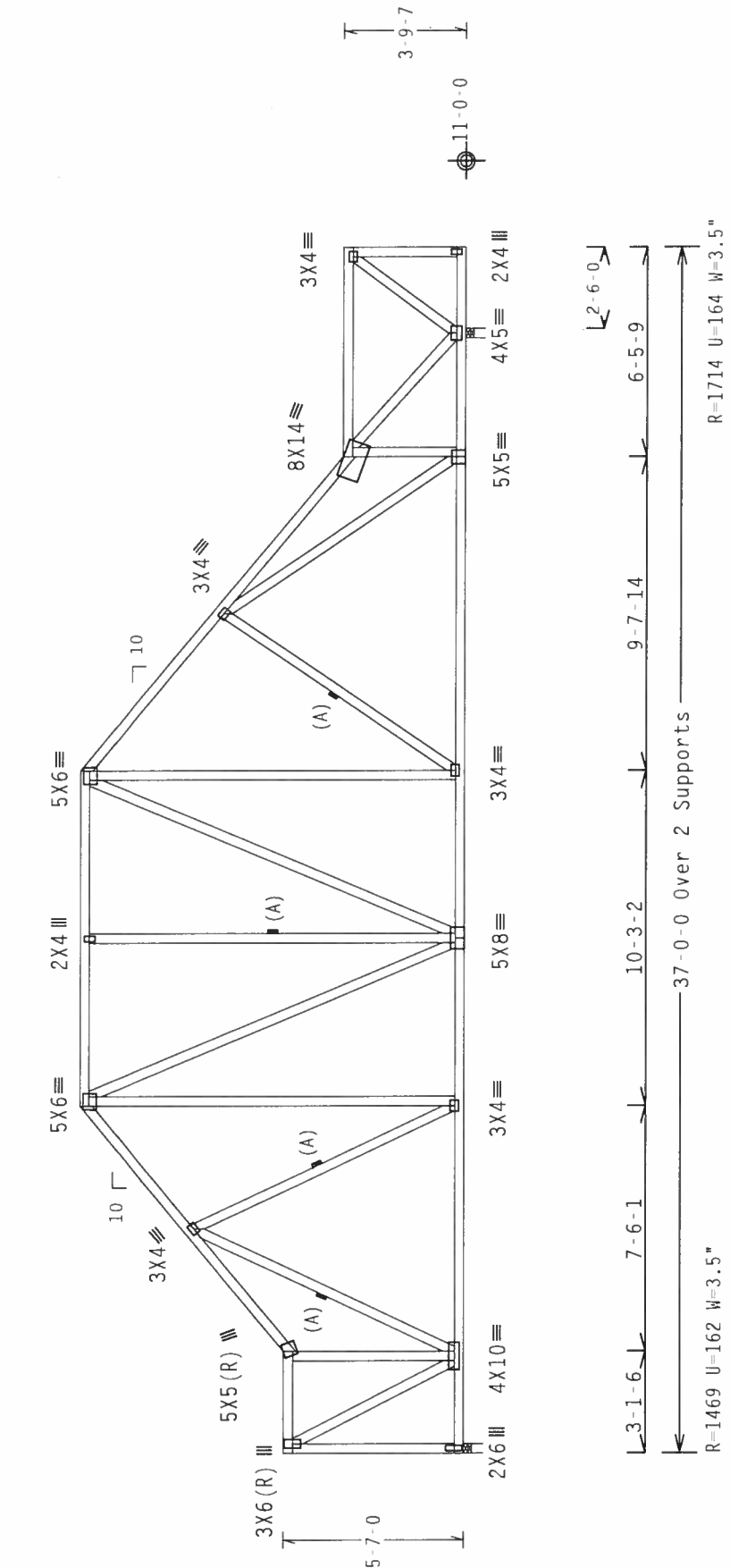
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "I" brace, 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

110 mph wind, 18.81 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. $1w=1.00 Gcpi(+/-)=0.18$

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 11-10-0.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.08100

QTY:1 FL/-/5/-/-/R/-

Scale = .1875"/Ft.

REF	R215--	96171
DATE	09/17/07	
DRW	HCUSR215	07260033
HC-ENG	EC/WHK	
SEQN-	198219	
FROM	CDM	
JREF	1TAU215	Z02

TC LL 20.0 PSF
 TC DL 10.0 PSF
 BC DL 10.0 PSF
 BC LL 0.0 PSF
 TOT.LD. 40.0 PSF
 DUR.FAC. 1.25
 SPACING 24.0"

ALPINE

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

JAMES COLLINS, JR.
 LICENSE NO. 62272
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

Sep 17 '07

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESI BUILDING COMPONENTS SAFETY INFORMATION, PUBLISHED BY THE TRUSS MANUFACTURERS ASSOCIATION (TMA), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA 22314, AND WEA (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. THE B.C.G. SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/PJA) AND TPI CONNECTOR PLATES ARE MADE OF 20/10/10GA (4-11/16"X1/4") ASTM A505 GRADE 40/60 (4, 8/11-55) GALV. STEEL. APPLY MAXIMUM LOADS TO EACH TRUSS MEMBER. UNLESS OTHERWISE INDICATED ON THIS DESIGN, SECTION PER DRAWINGS, FIG. 2. ALL TRUSSES SHALL BE INSPECTED BY THE TRUSS MANUFACTURER. THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENTS DESIGN INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.

110 mph wind, 19.81 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

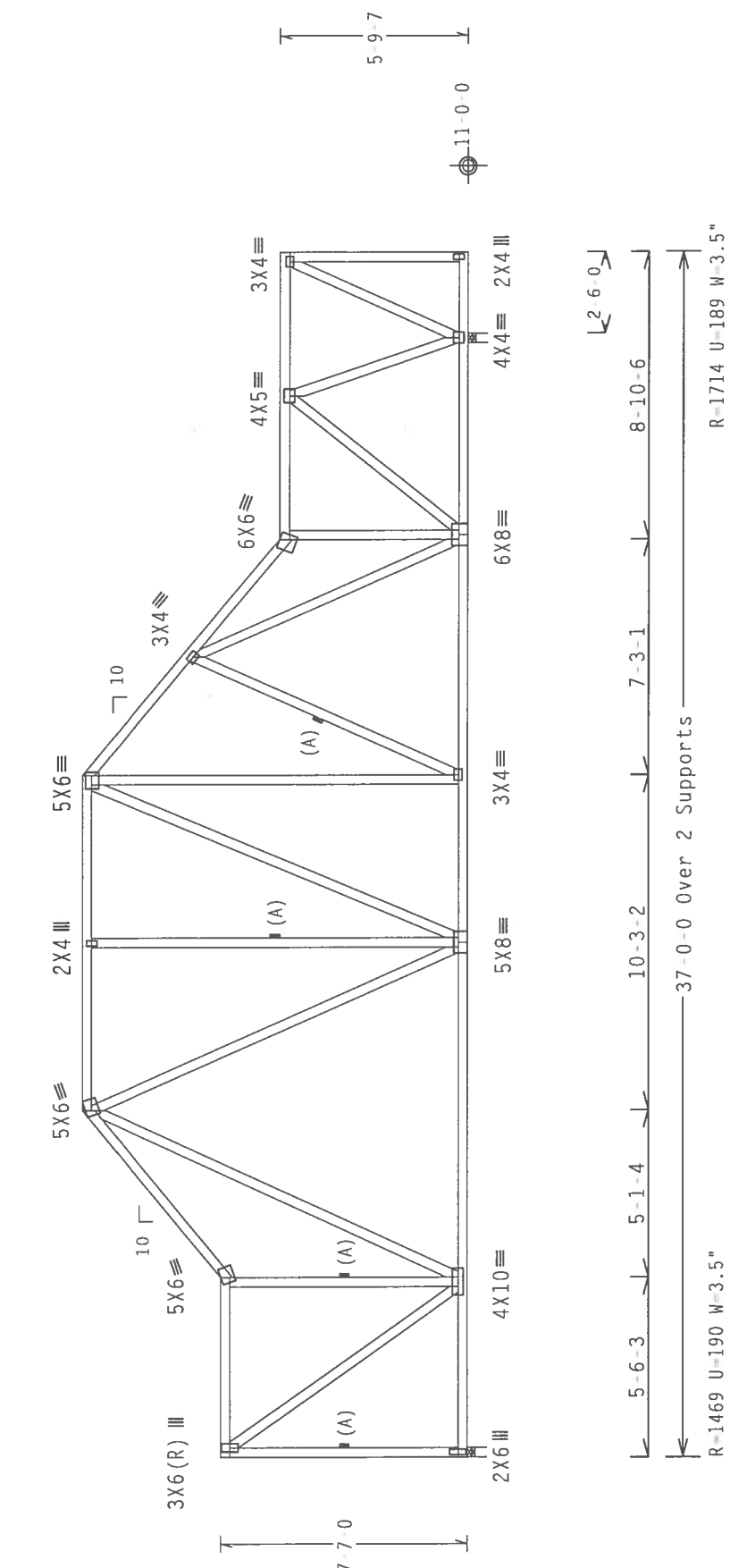
Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 11-10-0.

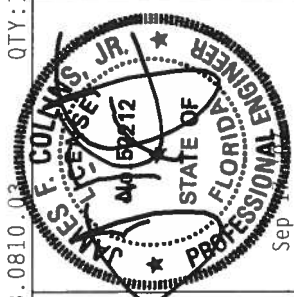
End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d box or Gun (0.113"x2.5",min.)nails @ 6" OC.



PLT TYP. Wave
 R=1469 U=190 W=3.5"
 R-1714 U=189 W=3.5"
 Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810.03 QTY:1 FL/-/5/-/-/R/- Scale = .1875"/Ft.

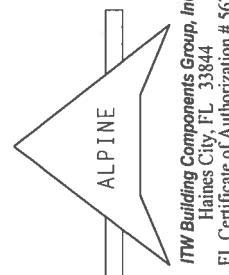
TC LL	20.0 PSF	REF	R215 - 96172
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260034
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEON	198223
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1TAU215_Z02



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING PER THE BUILDING CODES AND SPECIFICATIONS. PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 1300 NORTH DEER CREEK DRIVE, PITTSBURGH, PA 15205. ALL DIMENSIONS ARE IN FEET AND INCHES. 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (H-17/557K) ASTM A653 GRADE 40/60 (M. K/11-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC 3.08 OF TPI 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN, FABRICATION, DELIVERY, INSTALLATION AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



(4883 -)MCNEIL RESIDENCE /BLAKE CONSTRUCTION -- Lot 8 -Country Lakes @ - A31)

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

110 mph wind, 20.81 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. $1w=1.00 Gcpi(+/-)=0.18$

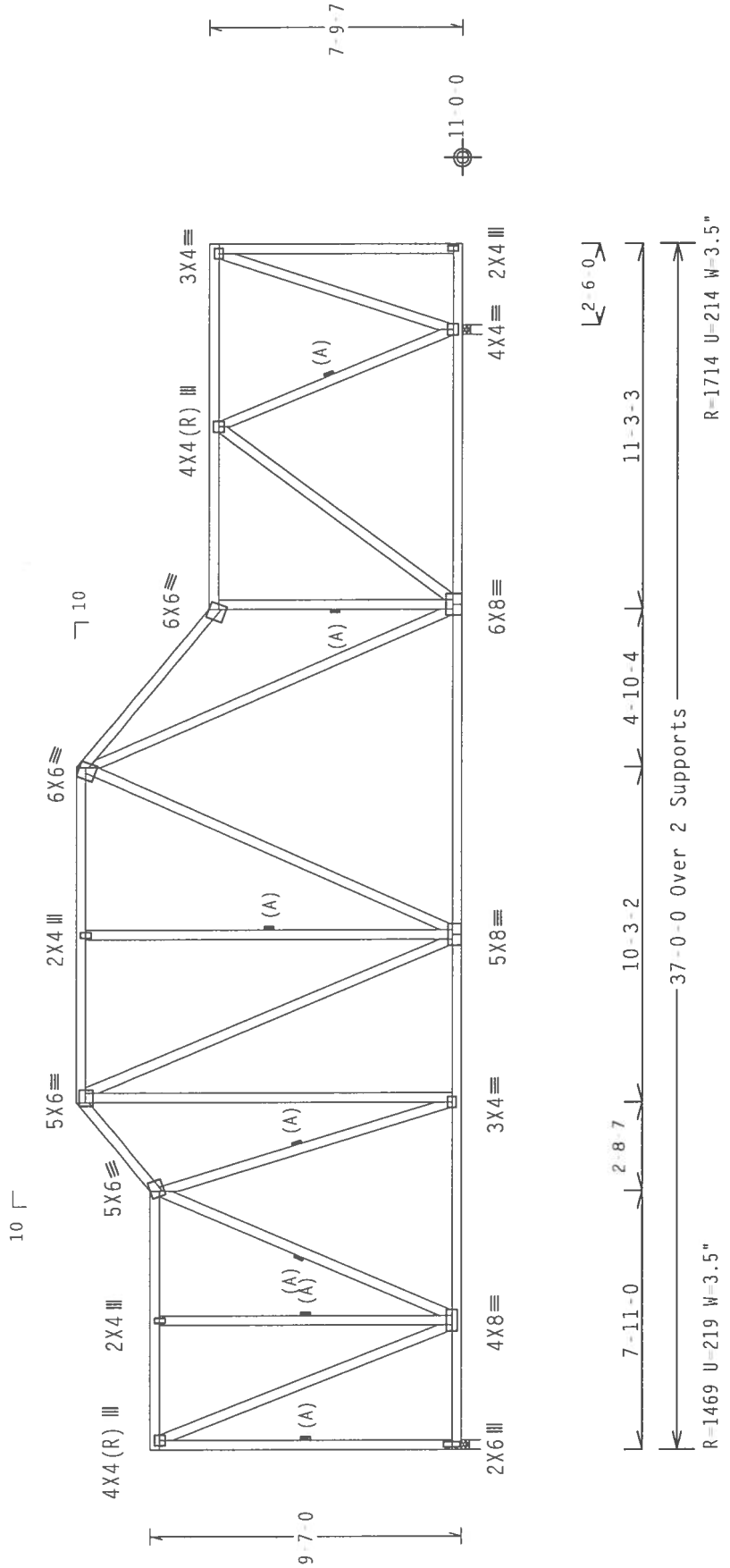
End verticals not exposed to wind pressure.

Wind reactions based on MMFRS pressures.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 11-10-0.



PLT TYP. Wave 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 BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (CRUSS PLATE INSTITUTE, 218 W. 31st St., Columbus, GA 31906) AND TPI (CRUSS PLATE INSTITUTE, 218 W. 31st St., Columbus, GA 31906) 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 AIA/P) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (R-H/55/8) ASTM A653 GRADE 40/60 (M. K/H-55) 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 AMHX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGNER SHOWN. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.	QTY: 1 FL / - / 5 / - / - / R / - Scale = .1875" / Ft.
		REF R215 - 96173 DATE 09/17/07 DRW HCUSR215 07260035 HC-ENG EC/WHK SEQN- 198227 FROM CDM JREF- 1TAU215_Z02

Top chord 2x4 SP #2 N :T3 2x6 SP #2 N:
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N :W6 2x4 SP SS:

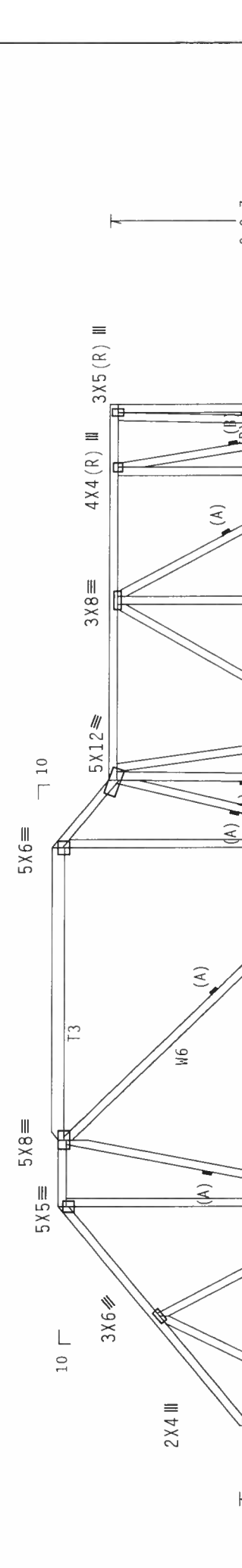
End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.)nails @ 6" OC.
 Deflection meets L/240 live and L/180 total load.

(B) Continuous lateral bracing equally spaced on member. Or 2x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 16d Box or Gun (0.135"x3.5", min.)nails @ 6" OC.
 The overall height of this truss excluding overhang is 11'-10".

Wind reactions based on MWFRS pressures.

110 mph wind. 19.41 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$



R=1593 U=156 W=3.5"

R=1601 U=216 W=3.5"

37'-0-0 Over 2 Supports

Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/0(0) 7.38.0810

QTY:1 FL/-/5/-/-/R/-

Scale = .1875" / Ft.

REF R215 -- 96174

DATE 09/17/07

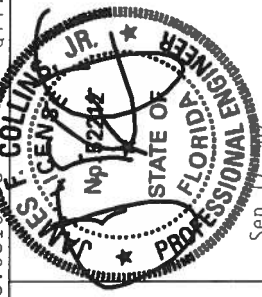
DRW HCUSR215 07260066

HC-ENG EC/MHK

SEQN- 198232

FROM CDM

JREF- ITAU215_Z02



PLT TYP. Wave

ALPINE

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

SEP 17 2007

WARNING** TRUSS'S REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS CONTRACTOR'S LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

IMPORTANT TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE TRUSS CONTRACTOR. THE TRUSS CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSS CONTRACTOR'S LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

DESIGN CRITERIA: TPI-2002(STD)/FBC

DESIGN CRITERIA: Cq/RT=1.00(1.25)/0(0) 7.38.0810

DESIGN CRITERIA: QTY:1 FL/-/5/-/-/R/-

DESIGN CRITERIA: Scale = .1875" / Ft.

DESIGN CRITERIA: REF R215 -- 96174

DESIGN CRITERIA: DATE 09/17/07

DESIGN CRITERIA: DRW HCUSR215 07260066

DESIGN CRITERIA: HC-ENG EC/MHK

DESIGN CRITERIA: SEQN- 198232

DESIGN CRITERIA: FROM CDM

DESIGN CRITERIA: JREF- ITAU215_Z02

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

110 mph wind, 19.41 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.

Wind reactions based on MWFRS pressures.

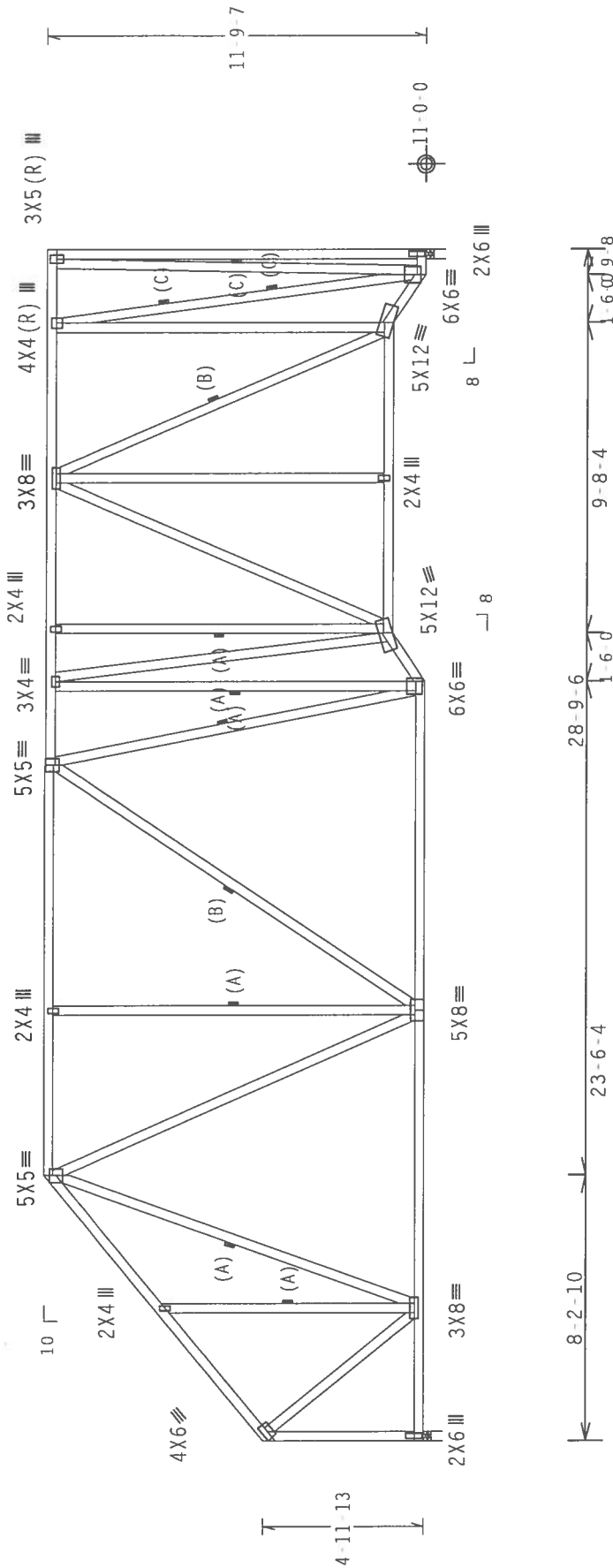
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.)nails @ 6" OC.

(B) Continuous lateral bracing equally spaced on member. Or 2x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 16d Box or Gun (0.135"x3.5", min.)nails @ 6" OC.

(C) Continuous lateral bracing equally spaced on member. Or 2x6 "T" brace. 80% length of web member. Same species & grade or better, attached with 16d Box or Gun (0.135"x3.5", min.)nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 11-10-0.



R-1592 U-146 W-3.5"

37-0-0 Over 2 Supports

R=1599 U=239 W=3.5"

PLT TYP. Wave

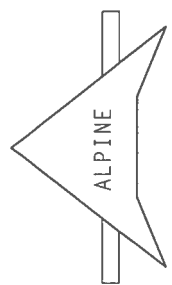
Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0)

QTY:1 FL/-/5/-/-/R/-

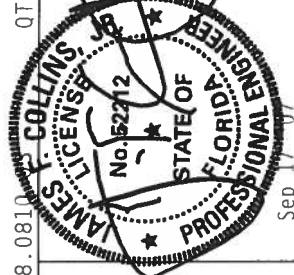
Scale = .1875"/Ft.

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP (BUILDING CODES) SAFETY INFORMATION, PUBLISHED BY THE BUILDING OFFICE OF AMERICA, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND NCEA (NATIONAL COUNCIL OF ENGINEERS OF AMERICA, 1300 SPRINGFIELD AVENUE, SUITE 200, SPRINGFIELD, IL, 62761) 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. THE CONTRACTOR SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS.



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



REF	R215--	96175
DATE	09/17/07	
DRW	HCUSR215	07260036
HC-ENG	EC/MHK	*
SEQN-	198236	
FROM	CDM	
JREF-	ITAU215_Z02	

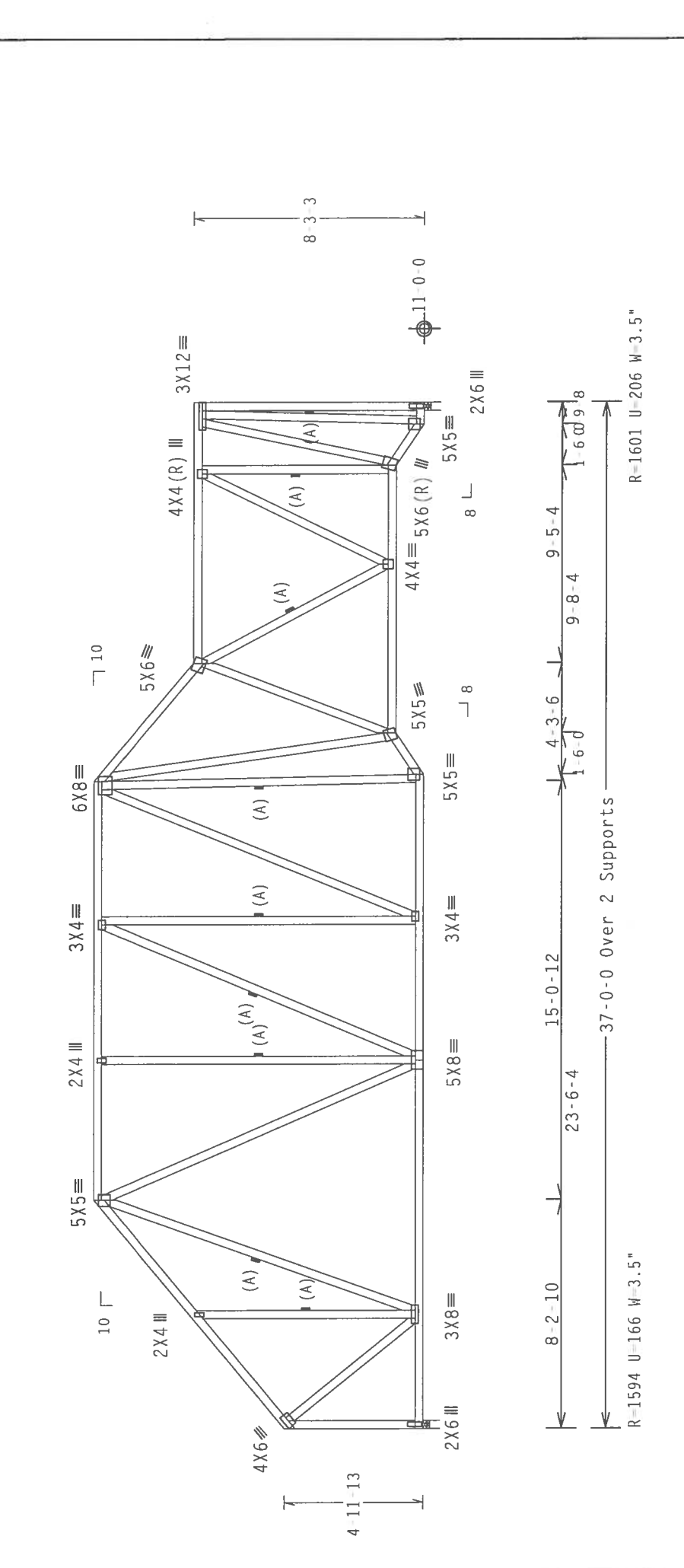
DUR.FAC. 1.25
 SPACING 24.0"

TC LL 20.0 PSF
 TC DL 10.0 PSF
 BC DL 10.0 PSF
 BC LL 0.0 PSF
 TOT.LD. 40.0 PSF

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

End verticals not exposed to wind pressure.
 (A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

110 mph wind, 19.41 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. $I_w=1.00$ $G_{Cp}(+/-)=0.18$
 Wind reactions based on MMFRS pressures.
 Deflection meets L/240 live and L/180 total load.
 The overall height of this truss excluding overhang is 11-10-0.



PLT TYP. Wave

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

QTY:1 FL/-/5/-/-/R/- Scale = .1875" /Ft.

TC LL	20.0 PSF	REF	R215 - 96177
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HGUSR215 07260038
BC LL	0.0 PSF	HC-ENG	EC/MHK *
TOT.LD.	40.0 PSF	SEQN-	198245
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	ITAU215_Z02

James F. Collins
 License No. 11994
 State of Florida
 Professional Engineer

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ALL TRUSSES MUST BE SHIPPED AND DELIVERED BY THE MANUFACTURER TO THE PROJECT SITE. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, FABRICATION, AND DELIVERY TO THE PROJECT SITE. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, FABRICATION, AND DELIVERY TO THE PROJECT SITE. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, FABRICATION, AND DELIVERY TO THE PROJECT SITE.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BGC, THE SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE BGC DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. 1TH BGC CONNECTION PLATES ARE MADE OF 2018/1666A (20/55/K) ASH 40/60 (M, K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TON 2. GRANITE LUGS ARE TO BE USED TO ATTACH TRUSSES TO THE BUILDING. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, FABRICATION, AND DELIVERY TO THE PROJECT SITE. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE TRUSS DESIGN, FABRICATION, AND DELIVERY TO THE PROJECT SITE.

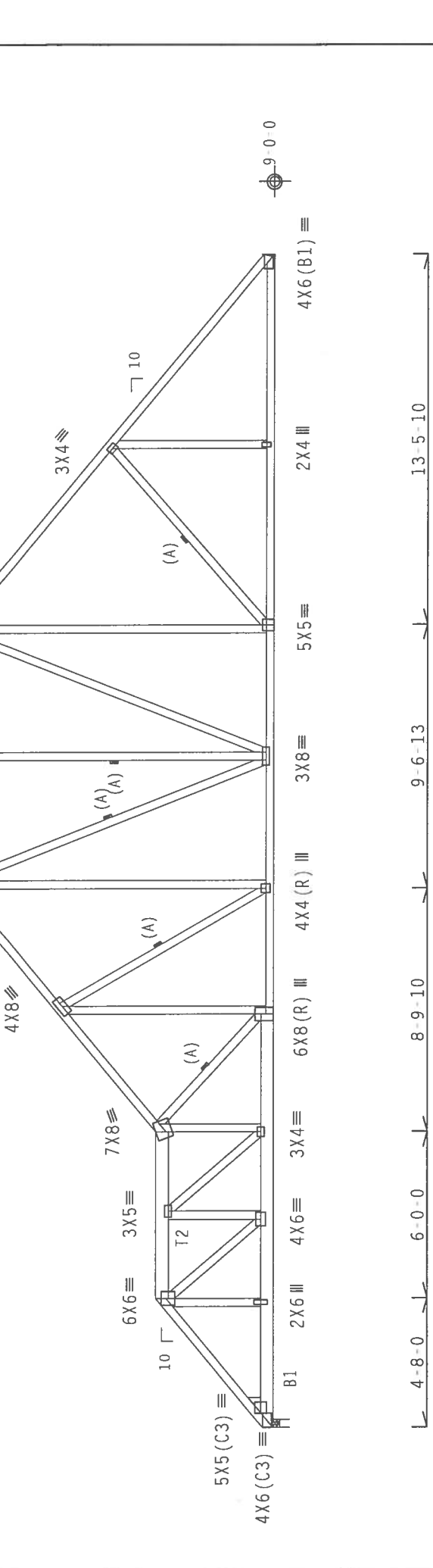
ITW Building Components Group, Inc.
 Haines City, FL 33844
 FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N :T2 2x6 SP #2 N:
 Bot chord 2x4 SP #2 N :B1 2x6 SP #2 Dense:
 Webs 2x4 SP #2 N
 :Lt Wedge 2x6 SP #2 N:

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 66 PLF at 0.00 to 66 PLF at 4.67
TC - From 66 PLF at 4.67 to 66 PLF at 10.67
TC - From 66 PLF at 10.67 to 66 PLF at 19.47
TC - From 66 PLF at 19.47 to 66 PLF at 29.03
TC - From 66 PLF at 29.03 to 66 PLF at 42.50
BC - From 20 PLF at 0.00 to 20 PLF at 42.50
PLT- 228 LB Conc. Load at (4.67,13.24)
PLB- 86 LB Conc. Load at (4.67,9.04)
PLB- 868 LB Conc. Load at (5.88,9.04)

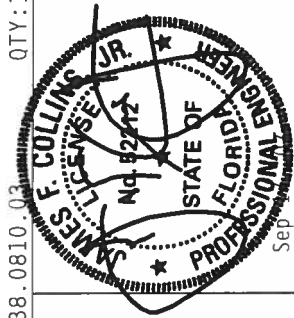
Wind reactions based on MWFRS pressures.
 LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER.
 IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO
 VERIFY AND APPROVE THE LOADING.



4-8-0 6-0-0 8-9-10 9-6-13 13-5-10
 R-2859 U=358 W 3.5"
 42-6-0 Over 2 Supports
 R=1979 U=213

PLT TYP. Wave
 Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810.03 QTY:1 FL/-/5/-/R/- Scale = .1875"/Ft.

<p>ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567</p>	<p>WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (CROSS PLAT INSTITUTE, 218 W. 31st ST., ALBUQUERQUE, NM 87102) AND TPI (TRUSSING ASSOCIATION, 1000 W. 10th ST., ENID, OK 73401) 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.</p> <p>**IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITM BEG, 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 IBCS (NATIONAL DESIGN SPEC. BY ARIPA) AND TPI. ITM BEG CONNECTOR PLATES ARE MADE OF 2018/T606 (A, H/55/8) ASTM A653 GRADE 40/60 (M, K/H/55) 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 AMHX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.</p>	<p>REF R215 - 96179</p>
		<p>DATE 09/17/07</p>
<p>DRW HCUSR215 07260067</p>	<p>TC LL 20.0 PSF</p>	
<p>HC-ENG EC/MHK</p>	<p>TC DL 10.0 PSF</p>	
<p>SEQN- 198011</p>	<p>BC DL 10.0 PSF</p>	
<p>FROM CDM</p>	<p>BC LL 0.0 PSF</p>	
<p>JREF- 1TAU215_Z02</p>	<p>TOT.LD. 40.0 PSF</p>	
	<p>DUR.FAC. 1.25</p>	
	<p>SPACING 24.0"</p>	

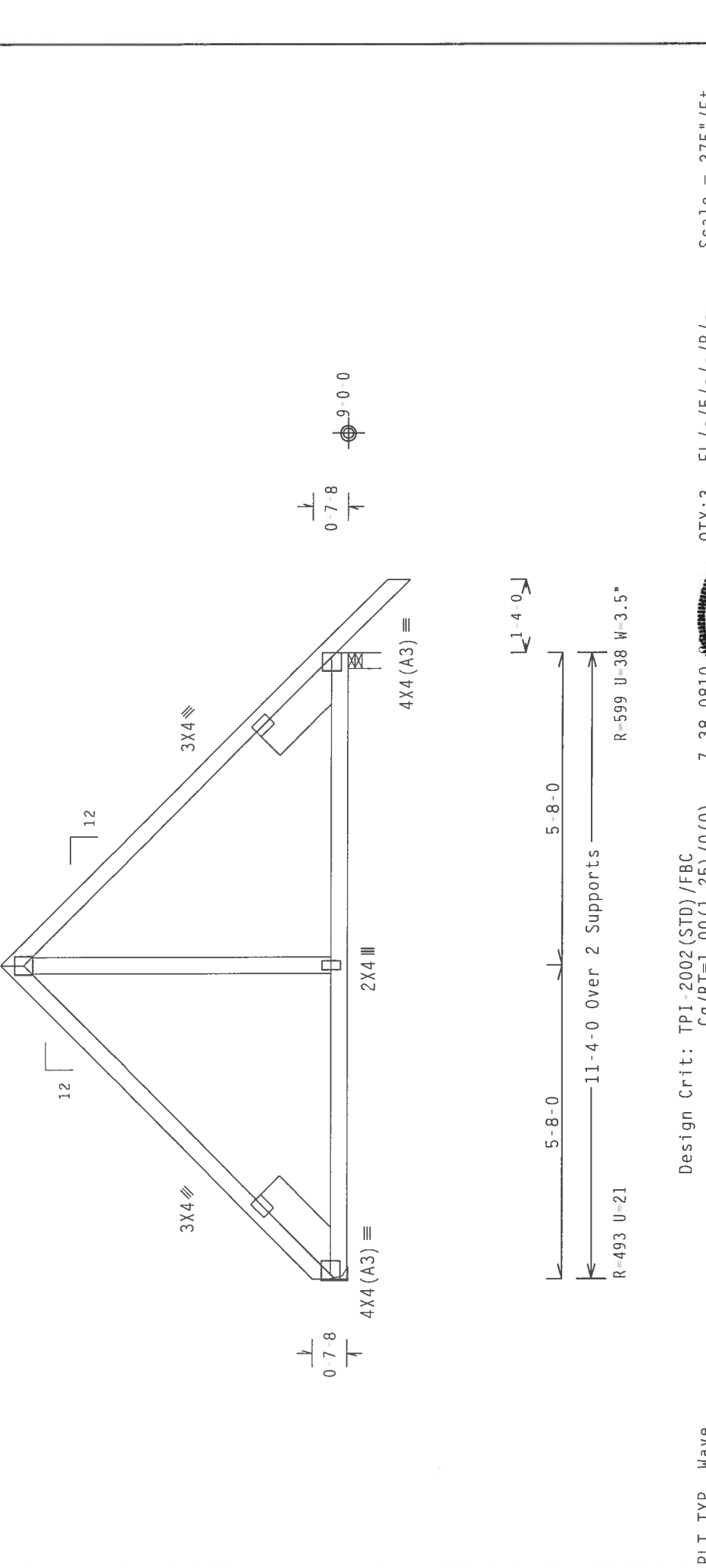


Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N
 :Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.923'
 :Rt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.923'

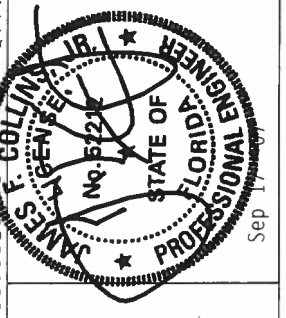
Deflection meets L/240 live and L/180 total load.

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
 Wind reactions based on MMFRS pressures.

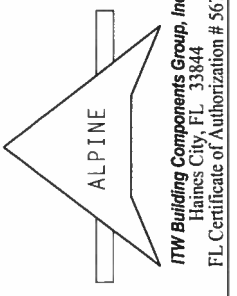
The overall height of this truss excluding overhang is 6 3-8.



PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0)	7.38.0810	QTY:3	FL/-/5/-/-/R/-	Scale = .375"/Ft.	REF R215 - 96180
						DATE 09/17/07
						DRW HCUSR215 07260040
						HC-ENG EC/MHK *
						SEQN- 197866
						FROM CDM
						JREF- 1TAU215_Z02



****WARNING**** TRUSSES INCLUDING THE FRAME, GABLE, IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING, SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC., BY AFAPA) AND TPI. ITR BCG CONNECTOR PLATES ARE MADE OF 2018/18716GA (M-17/55/8) ASTM A653 GRADE 40/60 (M. K/11-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN TPI 2002 SEC. 3. A SEAL ON THIS TRUSS INDICATES THE SUITABLE FOR PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER, SIGNATURE IS SUITABLE FOR THE TRUSS COMPONENT DESIGNER PER ANSI/TPI 1 SEC. 2.



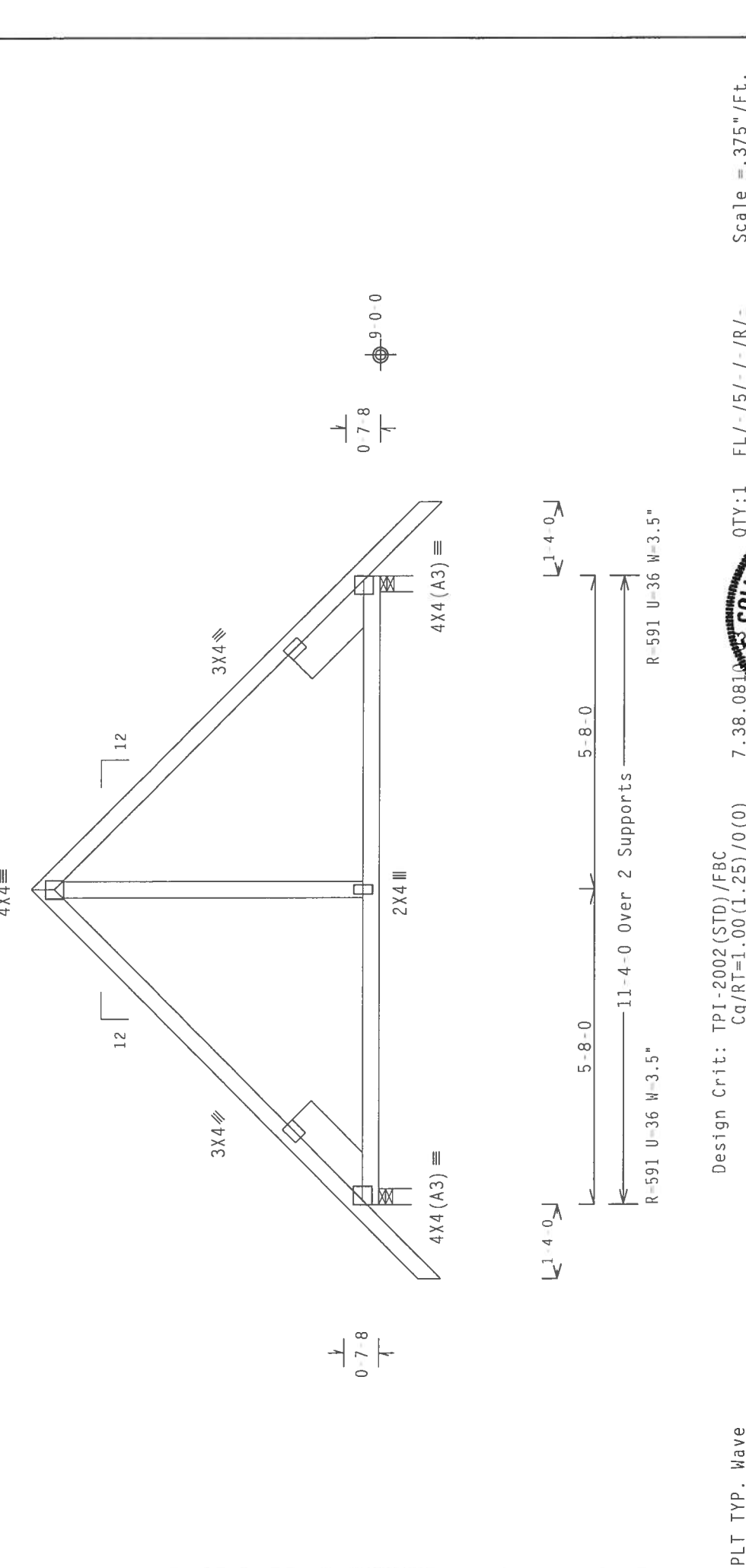
Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N
 :Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.923'
 :Rt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.923'

Deflection meets L/240 live and L/180 total 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

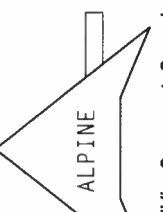
The overall height of this truss excluding overhang is 6-3-8.



Design Crit: TPI-2002 (STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.081000 QTY:1 FL/-/5/-/-/R/- Scale = .375"/ft.

TC LL	20.0 PSF	REF	R215 - 96181
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260041
BC LL	0.0 PSF	HC-ENG	EC/MHK *
TOT.LD.	40.0 PSF	SEQN-	197862
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	ITAU215_Z02

PLT TYP. Wave




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

****WARNING**** TRUSSES SHOULD BE CAREFULLY CHECKED FOR FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TRUSS MANUFACTURER'S SPECIFICATIONS FOR THE TRUSS. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES THAN THAT FOR WHICH IT WAS DESIGNED. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES THAN THAT FOR WHICH IT WAS DESIGNED. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES THAN THAT FOR WHICH IT WAS DESIGNED.

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

DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. THE REG. CONNECTOR PLATES ARE MADE OF 2018/1816GA (W/55%) ASTM A653 GRADE 40/60 (W. K/H/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T04 Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER'S RESPONSIBILITY FOR THE DESIGN OF THIS TRUSS. SUCH INDICATIONS SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.



James F. Collins, Jr.
 Professional Engineer
 State of Florida
 License No. 822712
 Sep 17 2007

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

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. $1W=1.00 G_{CPI}(+/-)-0.18$

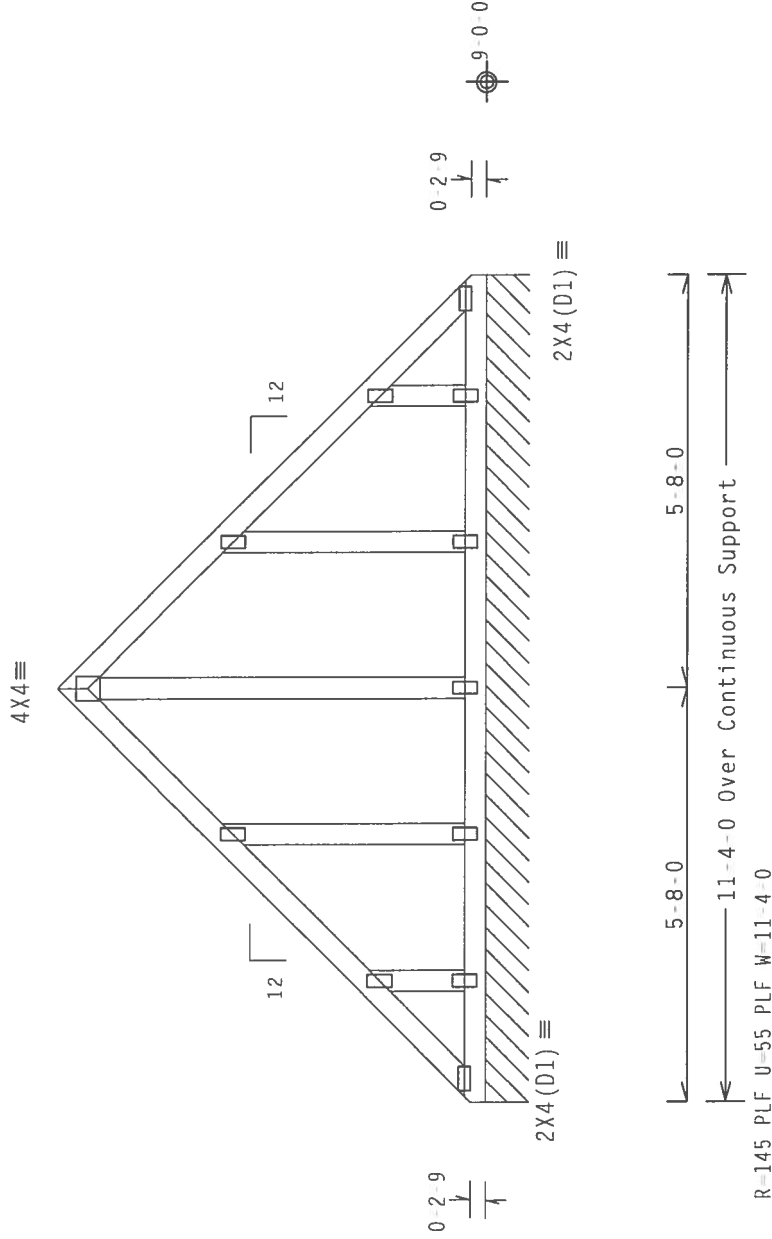
Deflection meets L/240 live and L/180 total load.

Wind reactions based on MMFRS pressures.

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

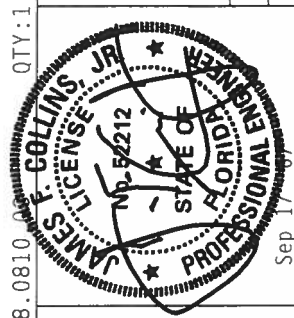
See DWGS A11015EE0207 & GBLETTIN0207 for more requirements.

The overall height of this truss excluding overhang is 5-10-8.



Note: All Plates Are 2X4 Except As Shown.

Design Crit: TPI-2002 (STD) /FBC
 $C_q/R_T=1.00(1.25)/0(0)$



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 (BUILDING COMPONENT SAFETY INFORMATION) - PUBLISHED BY IPT (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCA (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-2002 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGNER CONFIRMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI-2002. ALL CONNECTIONS ARE MADE TO 2019/10GA (W/SSK) ASTM A653 GRADE 40/60 (W/ KALUSS) GALV. STEEL. APPLY THE FOLLOWING CONNECTIONS TO ALL TRUSSES. ALL TRUSSES SHALL BE PERMANENTLY SEALED OR THIS ANY INSPECTION OF PLATES, FOLLOWED BY (1) SHALL BE PER AMER 33 OF TPI-2002 SEC. 1.1.1.1. DESIGNER SHALL. 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	FL / - / 5 / - / - / R / -	QTY: 1	Scale = .375" / Ft.
TC DL	10.0 PSF			REF R215 - 96182
BC DL	10.0 PSF			DATE 09/17/07
BC LL	0.0 PSF			DRW HCUSR215 07260042
TOT.LD.	40.0 PSF			HC-ENG EC/WHK *
DUR.FAC.	1.25			SEQN- 197859
SPACING	24.0"			FROM CDM
				JREF - ITAU215_Z02

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

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

110 mph wind, 15.64 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. $I_w=1.00$ $G_{Cp}(+/-)=0.18$

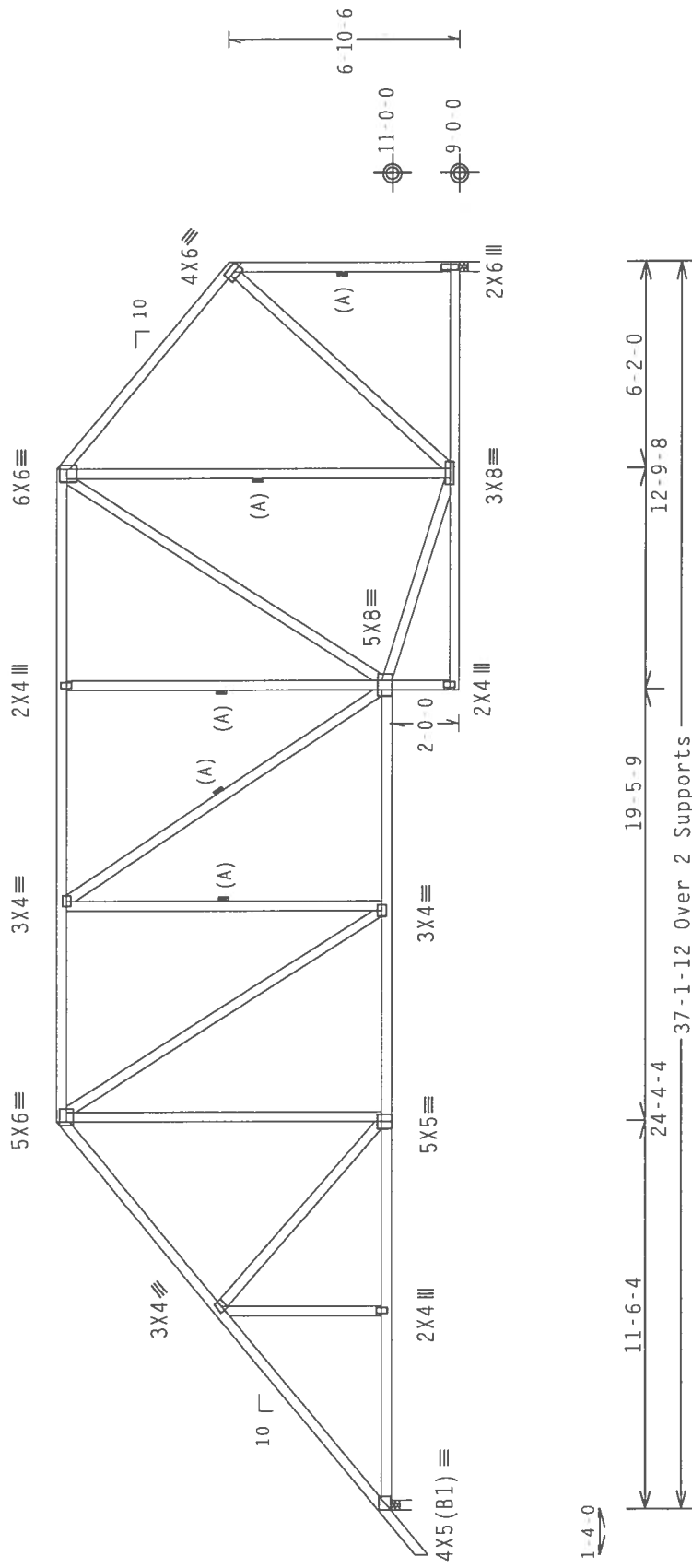
(A) Continuous lateral bracing equally spaced on member.

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 10 0 0.



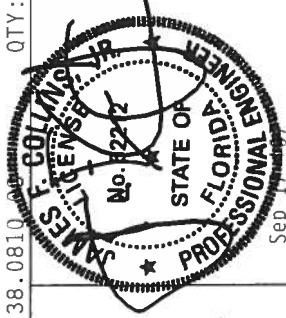
R=1694 U=142 W=3.5"

R=1590 U=147 W=3.5"

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

QTY: 3 FL / - / 5 / - / - / R / - Scale = .1875" / Ft.

TC LL	20.0 PSF	REF	R215 - 96183
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260043
BC LL	0.0 PSF	HC-ENG	EC/MHK *
TOT.LD.	40.0 PSF	SEQN-	198109
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	ITAU215_Z02



****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. TRUSSES SHALL BE FABRICATED BY THE TRUSS MANUFACTURER OR HIS AUTHORIZED REPRESENTATIVE. TRUSSES SHALL BE FABRICATED IN ACCORDANCE WITH THE DESIGN AND SHALL BE SHIPPED TO THE PROJECT LOCATION. TRUSSES SHALL BE SHIPPED TO THE PROJECT LOCATION IN A MANNER THAT WILL PROTECT THE TRUSS FROM DAMAGE. TRUSSES SHALL BE SHIPPED TO THE PROJECT LOCATION IN A MANNER THAT WILL PROTECT THE TRUSS FROM DAMAGE. TRUSSES SHALL BE SHIPPED TO THE PROJECT LOCATION IN A MANNER THAT WILL PROTECT THE TRUSS FROM DAMAGE.

ALPINE

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

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

110 mph wind, 16.20 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

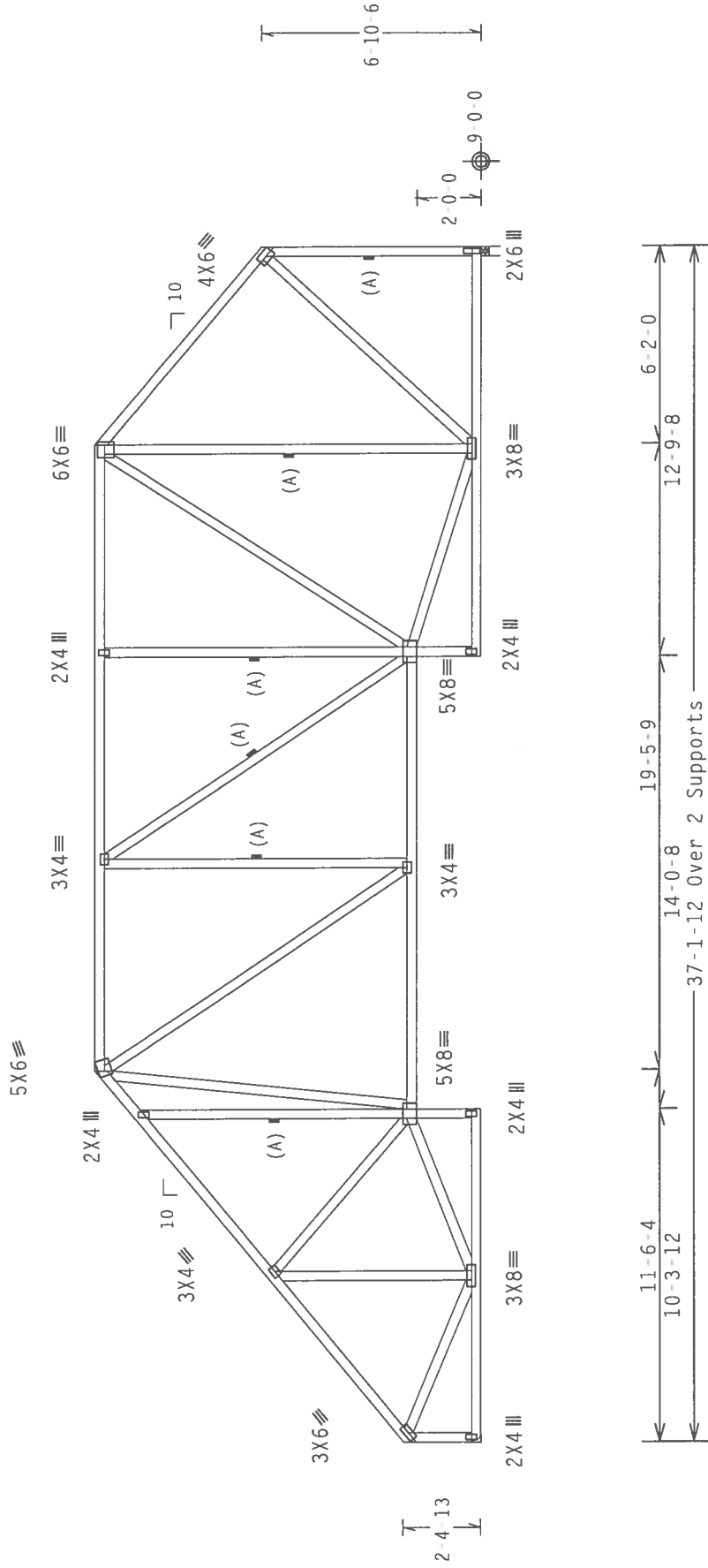
End verticals not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

The overall height of this truss excluding overhang is 12 0 0.

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load.



R=1598 U=126

R=1598 U=159 W=3.5"

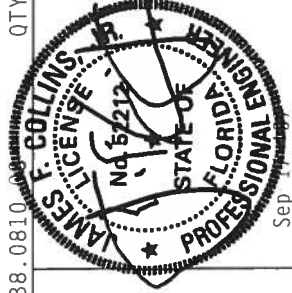
Design Crit: TPI-2002(STD)/FBC

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

QTY:1

FL/-/5/-/-/R/-

Scale = .1875" / Ft.

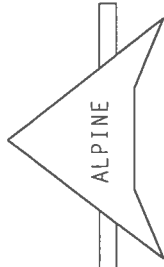


****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 BORDEN STREET, HAINES CITY, FL 33844), FOR ALL INFORMATION REGARDING THE PROPER USE OF TRUSS PLATES. 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. THE 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 A BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. THE BCG CORRECTOR PLATES ARE MADE OF 20/18/16GA (R.H/SS/K) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMBEX A3 OF TPI 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 AMBEX/TP1 SEC. 2.

PLT TYP. Wave



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

TC LL	20.0 PSF
TC DL	10.0 PSF
BC DL	10.0 PSF
BC LL	0.0 PSF
TOT.LD.	40.0 PSF
DUR.FAC.	1.25
SPACING	24.0"

REF	R215 -	96184
DATE	09/17/07	
DRW	HCUSR215	07260068
HC-ENG	EC/WHK	
SEQN-	198103	
FROM	CDM	
JREF-	1TAU215_Z02	

Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N :W8, W10, W12 2x4 SP #2 Dense:

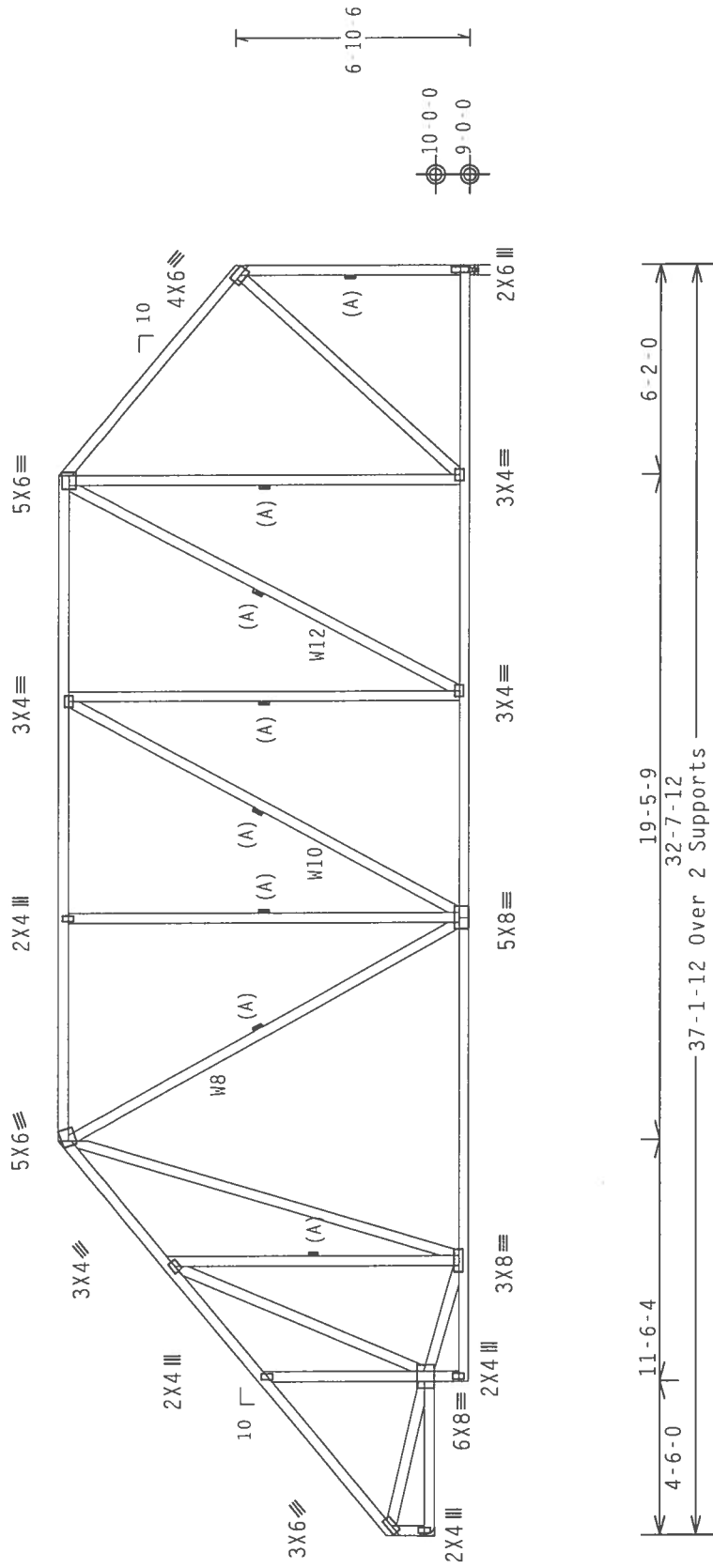
(A) Continuous lateral bracing equally spaced on member. Or 1x4 "T" brace. 80% length of web member. Same species & grade or better, attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" OC.

Deflection meets L/240 live and L/180 total load.

110 mph wind, 16.20 ft mean ht, 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.
 Right end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 11-0-0.



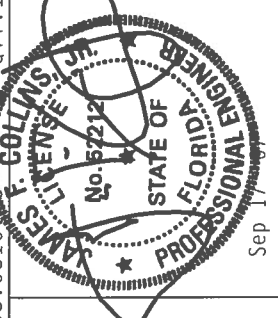
R-1598 U-129
 R-1598 U-157 W-3.5"

Design Crit: TPI-2002 (STD)/FBC
 $C_q/R_T=1.00(1.25)/0(0)$

Scale = .1875"/ft.
 REF R215-- 96185
 DATE 09/17/07
 DRW HCUSR215 07260069
 HC-ENG EC/WHK
 SEQN- 198096
 FROM CDM
 JREF- 1TAU215-Z02

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST (OUTLIVING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 W. WASHINGTON ST., HADISSON, MI 48421) 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. ITM 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 IBCS (NATIONAL DESIGN SPEC. BY AFAPA) AND IPTI. CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-11/55/R) 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 (1) SHALL BE PER ANNEX A3 OF TPI 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 ANS/PTI 1 SEC. 2.



PLT TYP. Wave

ALPINE

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

Top chord 2x6 SP #2 N
 Bot chord 2x6 SP #2 N
 Webs 2x4 SP #2 N

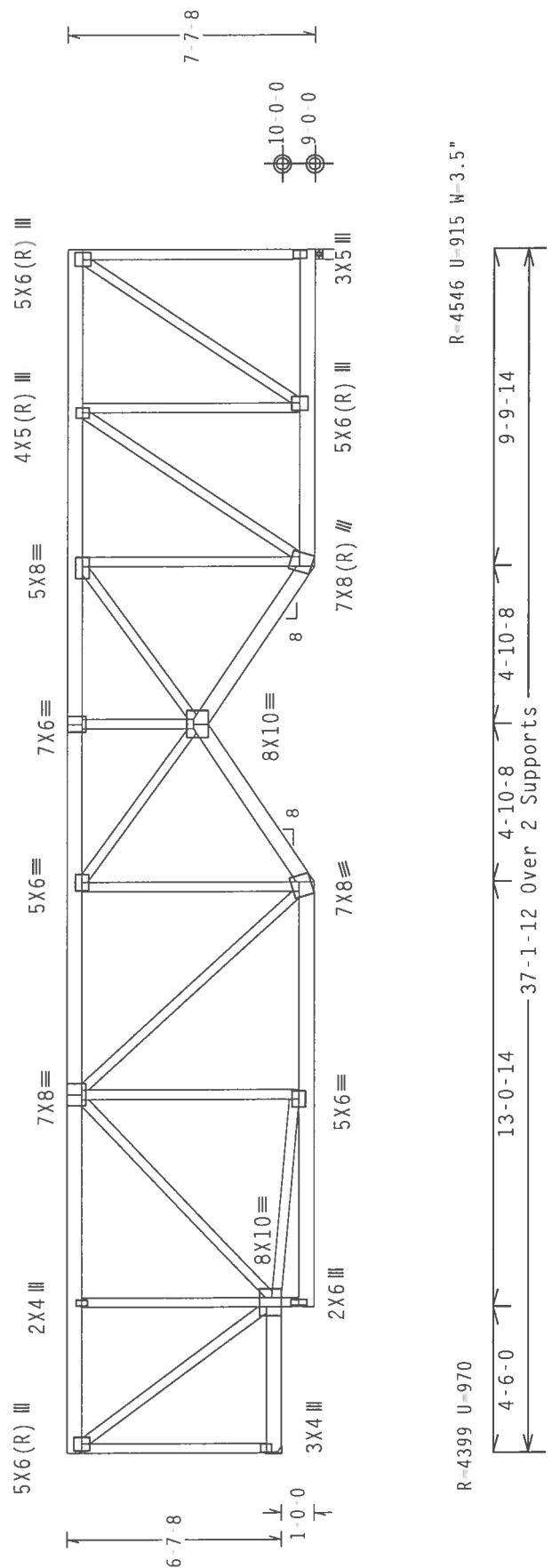
SPECIAL LOADS

(LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)
 TC From 60 PLF at 37.15
 BC From 20 PLF at 4.50
 BC From 20 PLF at 4.50 to 20 PLF at 17.57
 BC From 24 PLF at 17.57 to 24 PLF at 22.45
 BC From 24 PLF at 22.45 to 24 PLF at 27.32
 BC From 20 PLF at 27.32 to 20 PLF at 37.15
 PLT 143 LB Conc. Load at (1.81,16.58), (3.81,16.58)
 PLT 201 LB Conc. Load at (5.81,16.58), (7.81,16.58), (9.81,16.58)
 PLB (11.81,16.58), (13.81,16.58), (15.81,16.58), (17.81,16.58), (19.81,16.58)
 PLB 149 LB Conc. Load at (1.81,10.04), (3.81,10.04)
 PLB 90 LB Conc. Load at (5.81,9.04), (7.81,9.04), (9.81,9.04)
 PLB (11.81,9.04), (13.81,9.04), (15.81,9.04), (17.81,9.04), (19.81,9.04)
 PLB (33.21,9.04), (35.21,9.04)
 PLB 1217 LB Conc. Load at (17.16,9.04), (27.74,9.04)

The overall height of this truss excluding overhang is 6-7-8.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
 Top Chord: 1 Row @ 4.00" 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, 16.62 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. lw=1.00 GCpl(+/-) = 0.18
 Wind reactions based on MWFRS pressures.
 End verticals not exposed to wind pressure.
 Max JT VERT DEF: LL: 0.25" DL: 0.26" recommended camber 1/2"
 Deflection meets L/240 live and L/180 total load.
 The TC of this truss shall be braced with attached spans at 24" OC in lieu of structural sheathing.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810.00 QTY:1 FL/-/5/-/-/R/- Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R215--	96188
TC DL	10.0 PSF	DATE	09/17/07	
BC DL	10.0 PSF	DRW	HCUSR215	07260099
BC LL	0.0 PSF	HC-ENG	EC/MHK	
TOT.LD.	40.0 PSF	SEQN-	198063	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TAU215_Z02	

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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. THE BCG CONSTRUCTION PLATES ARE MADE OF 20/18/16GA (M/M/SS2K) ASTM A653 GRADE 40/70 (M. K/L/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND BRACING OF THE TRUSS TO THE STRUCTURE TO WHICH IT IS BEING ATTACHED. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION AND BRACING OF THE TRUSS TO THE STRUCTURE TO WHICH IT IS BEING ATTACHED.

RES. E. COLLINGS JR.
 LICENSED PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 No. 127242

(4883 /MCNEIL RESIDENCE /BLAKE CONSTRUCTION -- Lot 8 Country Lakes @ - A47)

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

110 mph wind, 16.12 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, lw=1.00 Gcpi(+/-)=0.18

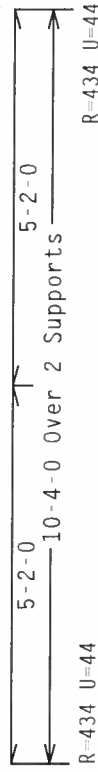
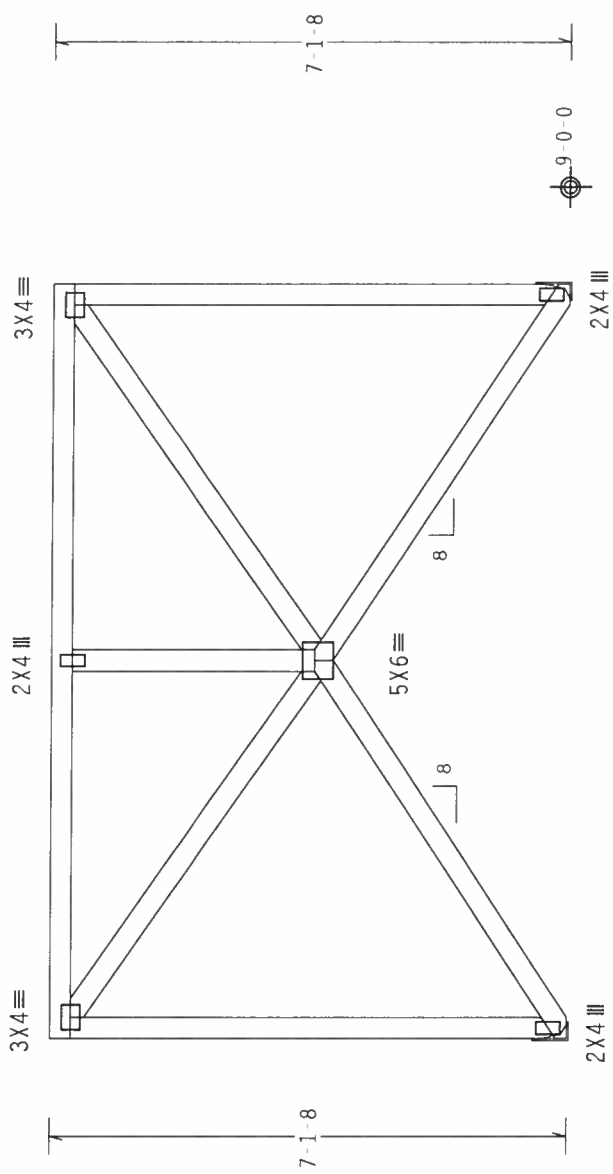
End verticals not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 7-1-8.

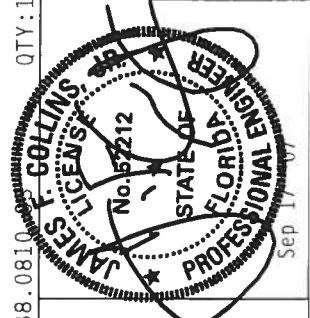
Wind reactions based on MWFRS pressures.

Provide for complete drainage of roof.



Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810

QTY: 1	FL/-	/5/-	/-R/-	Scale = .375"/Ft.
TC LL	20.0	PSF		REF R215 - - 96189
TC DL	10.0	PSF		DATE 09/17/07
BC DL	10.0	PSF		DRW HCUSR215 07260044
BC LL	0.0	PSF		HC-ENG EC/WHK *
TOT.LD.	40.0	PSF		SEQN- 197977
DUR.FAC.	1.25			FROM CDM
SPACING	24.0"			JREF- 1TAU215_Z02



****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, 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314), AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6300 ENTERPRISE LANE, MADISON, MI 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.

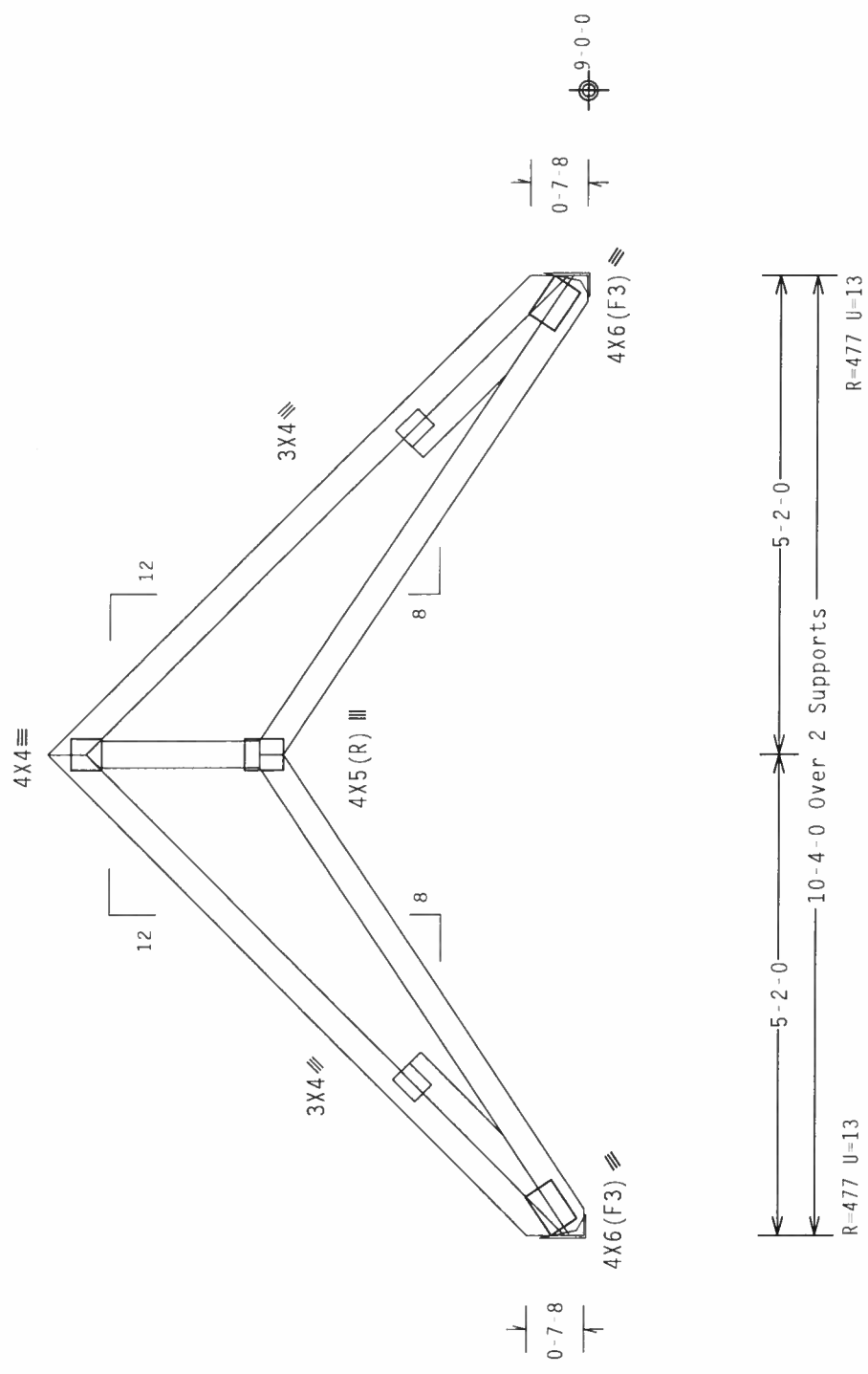
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/P3) AND TPI. THE BCG SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS AND THE DESIGN OF THE CONNECTIONS PER DRAWINGS FROM 2. ANY INSPECTION OF PLATES FOLLOWED BY U.S. INSPECTION SHALL BE PERFORMED BY THE DESIGNER OR HIS REPRESENTATIVE. THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE DESIGN, CONSTRUCTION AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/ASCE 10.1.1 SEC. 2.

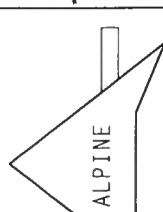
ALPINE

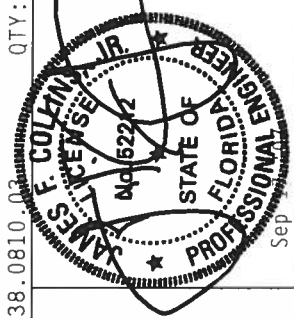
ITW Building Components Group, Inc.
 Gaines City, FL 33844
 FL Certificate of Authorization # 567

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. lw=1.00 GCpi(+/-)=0.18
 Wind reactions based on MWFRS pressures.
 The overall height of this truss excluding overhang is 5-9-8.

Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N
 :Lt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.534'
 :Rt Slider 2x4 SP #2 N: BLOCK LENGTH = 2.534'
 Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave	 ITW Building Components Group, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0) 7.38.0810.03 QTY:3 FL/-/5/-/-/R/- Scale = .5"/Ft.	TC LL 20.0 PSF	REF R215-- 96190
			TC DL 10.0 PSF	DATE 09/17/07
			BC DL 10.0 PSF	DRW HCUSR215 07260071
			BC LL 0.0 PSF	HC-ENG EC/WHK
			TOT.LD. 40.0 PSF	SEQN- 197970
			DUR.FAC. 1.25	FROM CDM
			SPACING 24.0"	JREF- 1TAU215_Z02



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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 AIA/AS) AND TPI. ITW BCG CONNECTOR PLATES ARE MADE OF 2018/16GA (M-J/55/K) ASTM A653 GRADE 40/60 (4, K/R-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA-2. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL BE IN INCHES AS SHOWN. ITW BCG SHALL BE RESPONSIBLE FOR THE TRUSS COMPONENT DESIGN. INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1. SEC. 2.

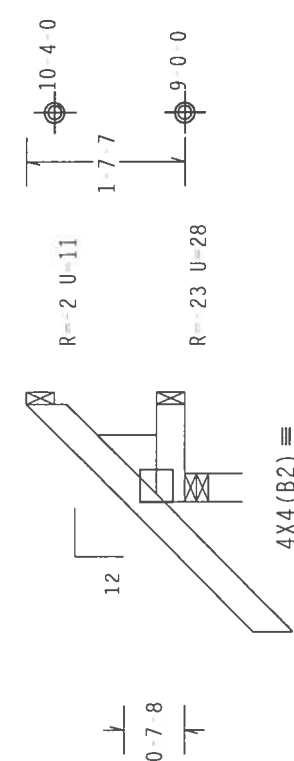
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
: Lt Wedge 2x8 SP #2 N:

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. lw=1.00 GCp1(+/-)=0.18

Deflection meets L/240 live and L/180 total load.

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 1-7-8.

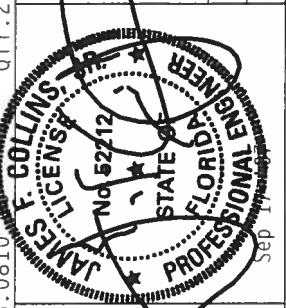


1-4-0
1-0-0 Over 3 Supports
R=204 U=19 W=3.5"

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

QTY: 2 FL/-/5/-/-/R/- Scale = .5"/Ft.

REF	R215 - -	96192
DATE	09/17/07	
DRW	HCUSR215	07260073
HC-ENG	EC/MHK	
SEON-	197954	
FROM	CDM	
JREF-	1TAU215_Z02	



****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. 1TH BEG CONNECTION PLATES ARE MADE OF 2018/18/18GA (M-11/55/78) ASTM A653 GRADE 40/60 (M- P/NL55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES THE SUITABILITY AND USE OF THIS COMPONENT FOR THE TRUSS COMPONENT BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.

ALPINE

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

Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Deflection meets L/240 live and L/180 total load.
 The overall height of this truss excluding overhang is 1-7 9.



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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
 Wind reactions based on MWFRS pressures.

Scale = .5" / Ft.
 QTY: 2
 FL / - / 5 / - / - / R / -
 REF R215 - 96193
 DATE 09/17/07
 DRW HCUSR215 07260045
 HC-ENG EC / WHK
 SEQN - 198027
 FROM CDM
 JREF - ITAU215_Z02

Design Crit: TPI-2002 (STD) / FBC
 $C_q/R_T=1.00(1.25)/0(0)$
 7-38.0810
 7-38.0810
 7-38.0810

JAMES F. COLLINS, JR.
 No. 57282
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Sep 17 2007

PLT TYP. Wave

ALPINE

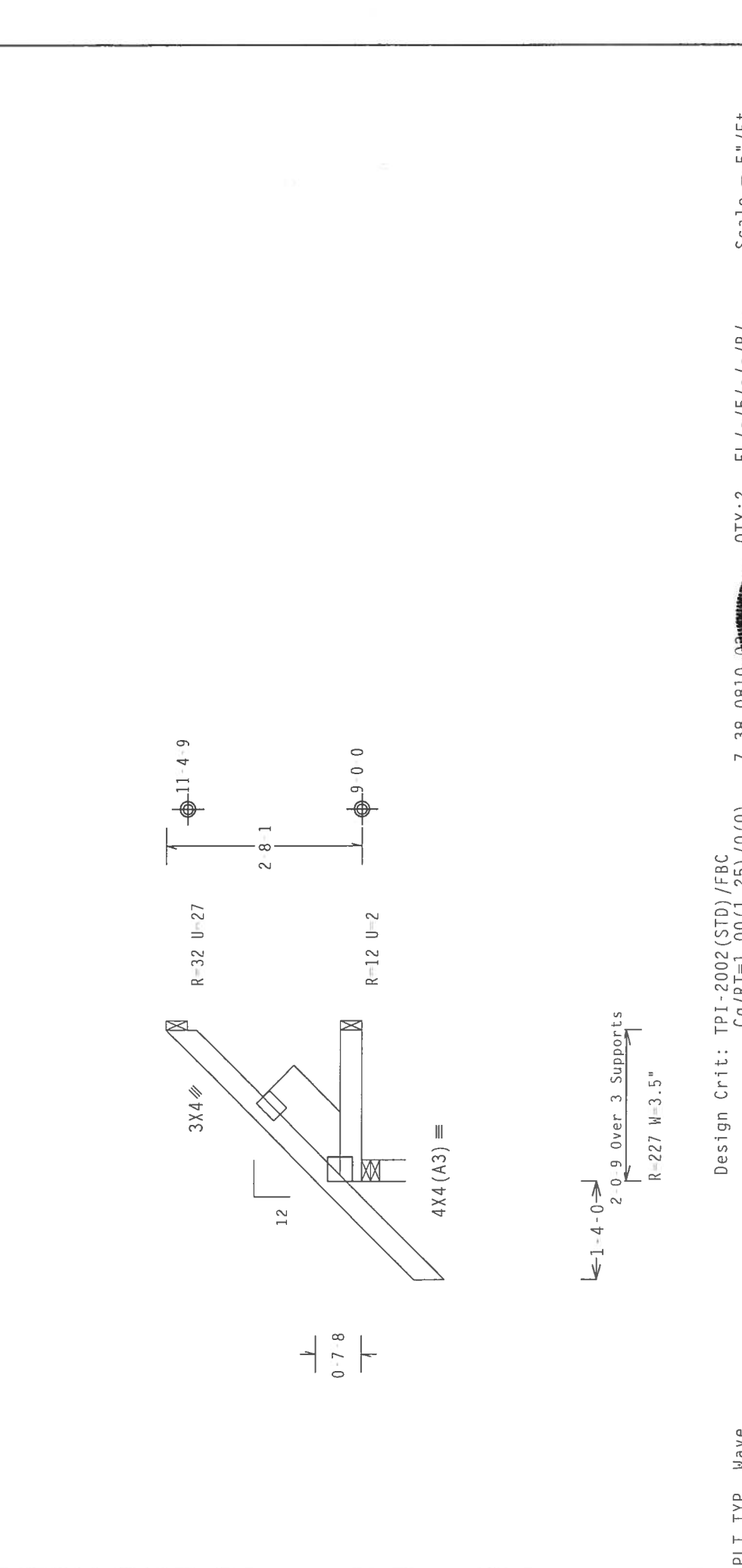
ITW Building Components Group, Inc.
 Haines City, FL 33844
 FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (UNLESS OTHERWISE INDICATED), 710 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCEA (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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Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 :Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.500'
 Deflection meets L/240 live and L/180 total load.
 The overall height of this truss excluding overhang is 2-8-1.

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 MMFRS pressures.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:2 FL/-/5/-/-/R/- Scale = .5" /Ft.

REF	R215 -	96194
DATE	09/17/07	
DRW	HCUSR215	07260046
HC-ENG	EC/WHK	*
SEQN-	198037	
FROM	CDM	
JREF-	ITAU215_Z02	

11W REG. CONTRACTOR. 11W REG. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AIA/AIA) AND IPI. 11W REG. CONNECTION PLATES ARE MADE OF 2018/16GA (.0145) GALV. STEEL. STEEL SHALL BE PER AIA/AIA 301.1. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN BY THE DESIGNER FOR THE BUILDING. THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/IPI 1 SEC. 7.

JAMES F. COLLINS, JR.
 LICENSE NO. 52712
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

Sep 17 2007

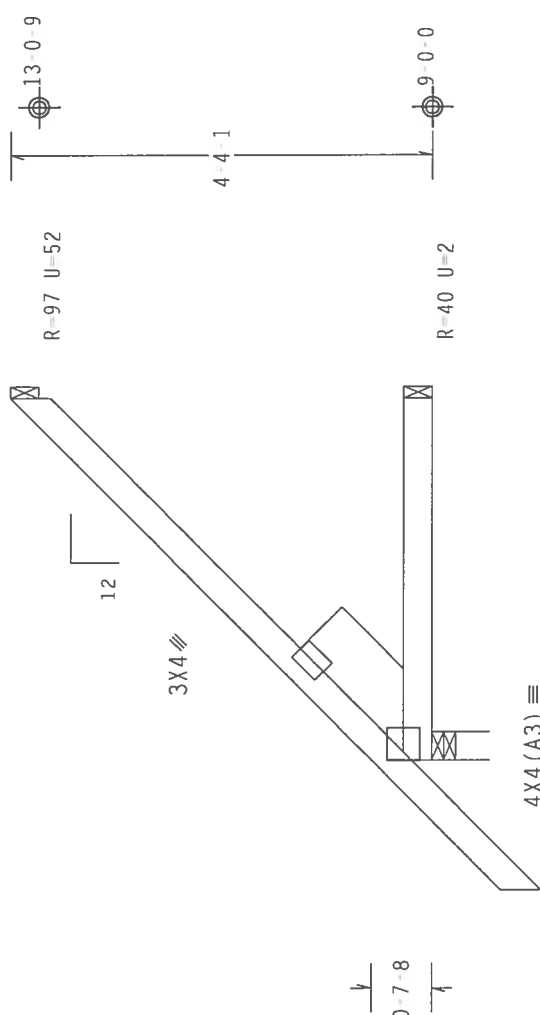
ITW Building Components Group, Inc.
 Haines City, FL 33844
 FL Certificate of Authorization # 567

(4883 /MCNEIL RESIDENCE /BLAKE CONSTRUCTION -- Lot 8 Country Lakes @ - JC4A)

Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 : Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.500'
 110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 GCpi(+/-)=0.18

Deflection meets L/240 live and L/180 total load.
 Wind reactions based on MWFRS pressures.

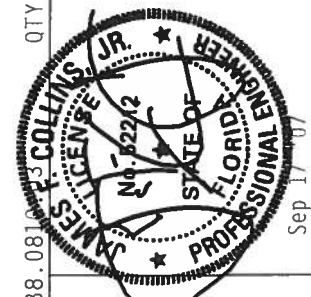
The overall height of this truss excluding overhang is 4-4 1/2



← 1-4-0 →
 ← 3-8-9 Over 3 Supports →
 R=282 W=3.5"

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

TC LL	20.0 PSF	REF	R215 - 96197
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260049
BC LL	0.0 PSF	HC-ENG	EC/WHK *
TOT.LD.	40.0 PSF	SEQN	198040
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	ITAU215_Z02



PLT TYP. Wave

QTY: 1 FL / - / 5 / - / - / R / - Scale = .5" / Ft.

7.38.081000

SEP 17 2007

ALPINE

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 Haines City, FL 33844
 FL Certificate of Authorization # 567

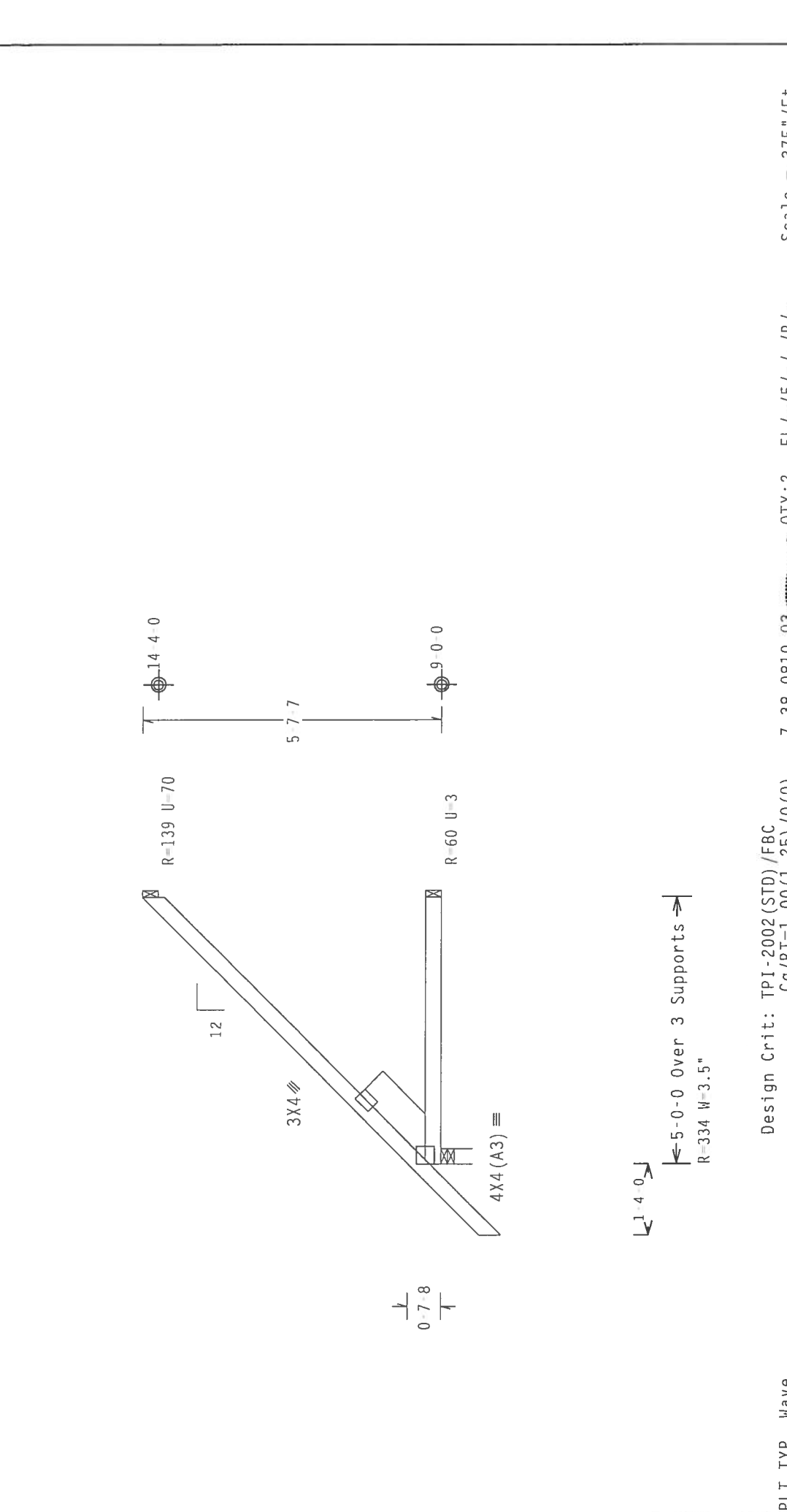
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. THE USER IS RESPONSIBLE FOR THE BUILDING COMPONENTS TO BE INSTALLED IN ACCORDANCE WITH THE TPI-2002 (STD) / FBC DESIGN CRITERIA. ALL TRUSSES ARE TO BE INSTALLED IN ACCORDANCE WITH THE TPI-2002 (STD) / FBC DESIGN CRITERIA. 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE TPI-2002 (STD) / FBC DESIGN CRITERIA, SHIPPING, UNLOADING AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI-2002 (STD) / FBC. CONNECTOR PLATES ARE MADE OF 2018/10166A (W/H/55/K) ASTM A653 GRADE 40/60 (M. K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TGD 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL OF THIS BOARD INDICATES ACCEPTANCE OF THIS DESIGN. THE USER OF THIS COMPONENT FOR THE TRUSS COMPONENT IS RESPONSIBLE FOR THE TRUSS DESIGNER'S DESIGN AND THE USER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 : Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.739'
 Deflection meets L/240 live and L/180 total load.
 The overall height of this truss excluding overhang is 5-7-8.

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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$
 Wind reactions based on MMFRS pressures.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
 $C_q/R_T=1.00(1.25)/0(0)$ 7.38.0810.03 QTY:2 FL/-/5/-/-/R/- Scale = .375" /Ft.

TC LL	20.0 PSF	REF	R215--	96198
TC DL	10.0 PSF	DATE	09/17/07	
BC DL	10.0 PSF	DRW	HCUSR215	07260050
BC LL	0.0 PSF	HC-ENG	EC/WHK	*
TOT.LD.	40.0 PSF	SEQN-	197960	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TAU215_Z02	

WARNING** TRUSSES REQUIRE "FIELD" FABRICATION, INCLUDING SHIPPING, INSTALLING AND BRACING. REFER TO BCSE BUILDING COMPONENTS GROUP, INC. FOR MORE INFORMATION. TRUSSES ARE AVAILABLE IN 6000 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WEA (4008) TRUSS CONNECTIONS AMERICAS, 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.

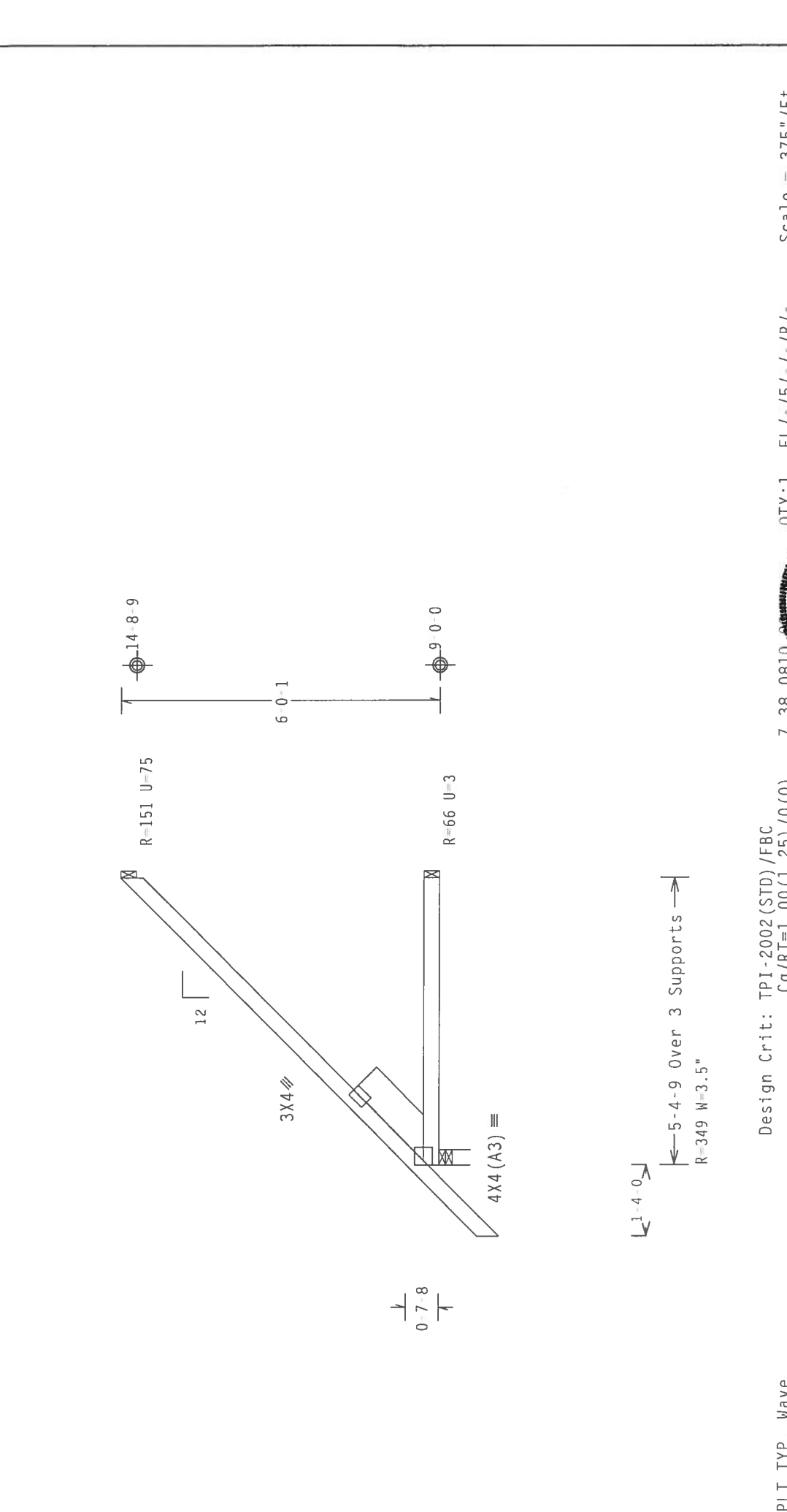
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH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

JAMES E. COLLINS, JR.
 No. 152212
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Sep

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

Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 :Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.874'
 Deflection meets L/240 live and L/180 total load.
 The overall height of this truss excluding overhang is 6 0 1.

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. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$
 Wind reactions based on MWFRS pressures.



PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale = .375"/Ft.

REF	R215 -	96199
DATE	09/17/07	
DRW	HCUSR215	07260051
HC-ENG	EC/WHK	*
SEQN	198043	
FROM	CDM	
JREF	1TAU215_Z02	

JAMES F. COLLINS
 LICENSED PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 No. 82212
 Sep 17 2007

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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BC51 (BUILDING COMPONENT INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA (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 CONDITIONS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND IPT. CONNECTION PLATES ARE MADE OF 2017/1910GA (4-17/557X) ASTM A653 GRADE 40/60 (40-47/55) GALV. STEEL. APPLY UNLESS OTHERWISE INDICATED ON THIS DESIGN. POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY ANY INSPECTION OF TRUSS MEMBERS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE STABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

(4883 -)MCNEIL RESIDENCE /BLAKE CONSTRUCTION -- Lot 8 Country Lakes @ - JC6)

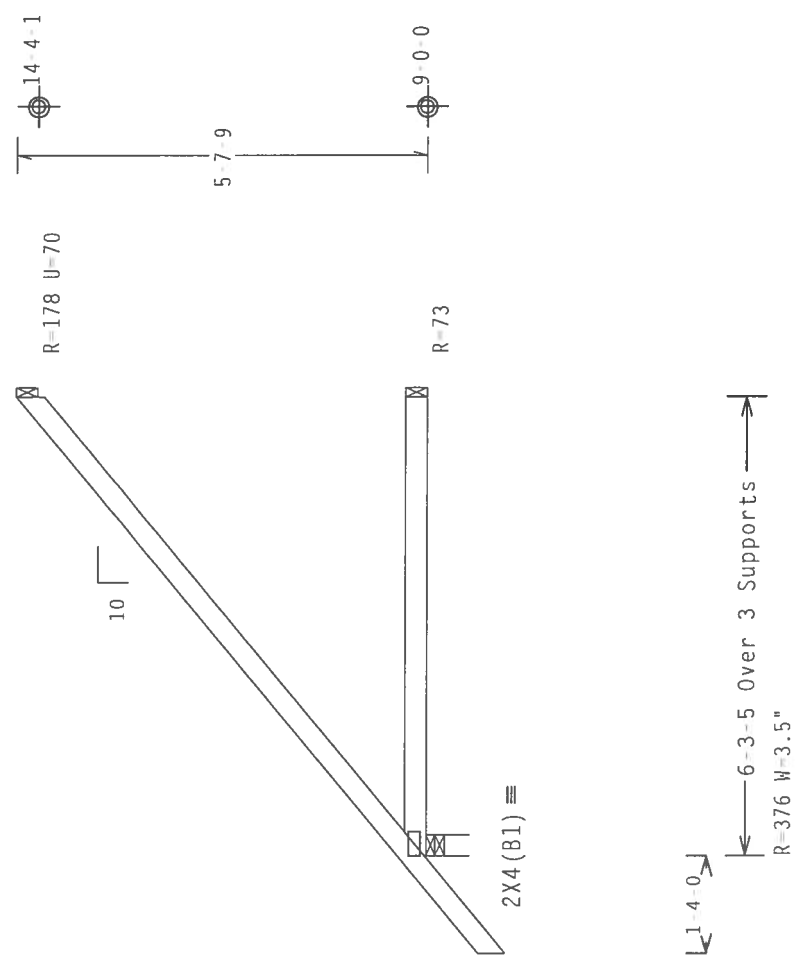
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 5'7.9."

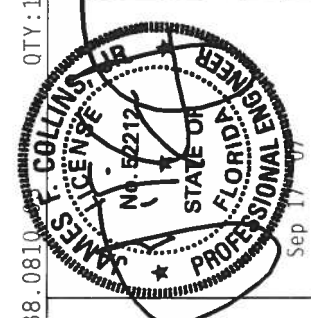
110 mph wind, 15.00 ft mean hgt. ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$

Wind reactions based on MMFRS pressures.



Design Crit: TPI-2002 (STD) /FBC
Cq/RT=1.00(1.25)/0(0) 7.38.0810

QTY:	1	FL	/	5	/	-	/	R	/	Scale = .375" /Ft.
TC LL	20.0	PSF	REF	R215	-	96200				
TC DL	10.0	PSF	DATE	09/17/07						
BC DL	10.0	PSF	DRW	HCUSR215	07260052					
BC LL	0.0	PSF	HC-ENG	EC/WHK	*					
TOT.LD.	40.0	PSF	SEQN	198034						
DUR.FAC.	1.25	FROM	CDM							
SPACING	24.0"	JREF	1TAU215_Z02							



****WARNING**** TRUSSES, REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTALLATION) 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WCA (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**** *TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH 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. CONNECTOR PLATES ARE MADE OF 70/10/16GA (4.0/55/8) ASTM A653 GRADE 40/60 (4.0/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEER FOR THE DESIGN. A SEAL ON THIS DESIGN SHOWS THE SOLELIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

PLT TYP. Wave



2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
 Top Chord: 1 Row @ 12.00" O.C.
 Bot Chord: 1 Row @ 3.75" O.C.
 Webs : 1 Row @ 4" O.C.
 Use equal spacing between rows and stagger nails in each row to avoid splitting.

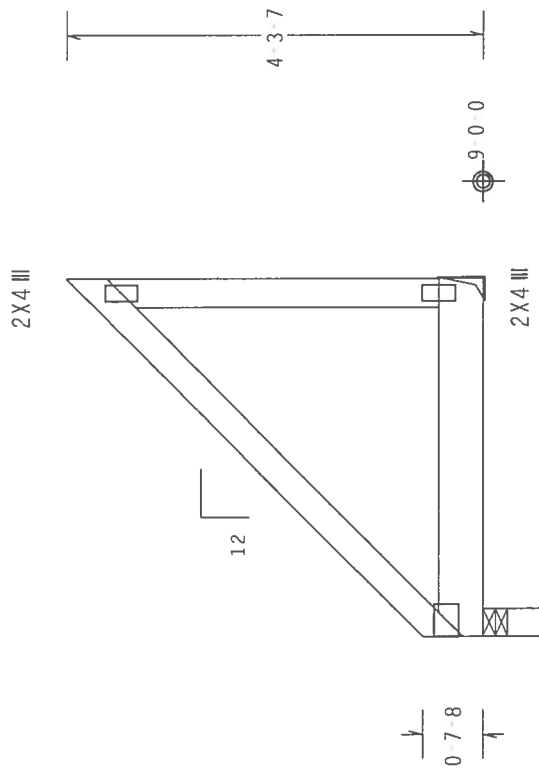
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.18

Right end vertical not exposed to wind pressure.

Top chord 2x4 SP #2 N
 Bot chord 2x6 SP #2 N
 Webs 2x4 SP #2 N

SPECIAL LOADS
 (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC From 68 PLF at 0.00 to 68 PLF at 3.67
 BC From 20 PLF at 0.00 to 20 PLF at 3.67
 BC = 1570 LB Conc. Load at 1.73

Wind reactions based on MWFRS pressures.
 Deflection meets L/240 live and L/180 total load.
 The overall height of this truss excluding overhang is 4-3-8.



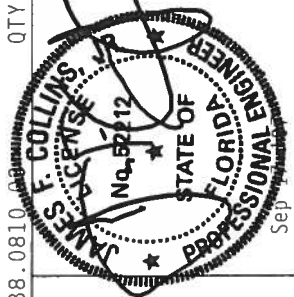
3X4 (B1) ≡

3-8-0 Over 2 Supports
 R=1026 U=83 W=3.5"
 R-868 U=71

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

QTY: 1 FL / - / 5 / - / - / R / - Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R215--	96201
TC DL	10.0 PSF	DATE	09/17/07	
BC DL	10.0 PSF	DRW	HCUSR215	07260100
BC LL	0.0 PSF	HC-ENG	EC / WHK	
TOT.LD.	40.0 PSF	SEQN	197995	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF	1TAU215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE USER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE USER'S RESPONSIBILITY. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE B.C.G., INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE USER'S RESPONSIBILITY. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL BUILDING DEPARTMENT.

ALPINE

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 Haines City, FL 33844
 FL Certificate of Authorization # 567

(4883- /MCNEIL RESIDENCE /BLAKE CONSTRUCTION -- Lot 8 Country Lakes @ - JE4A)

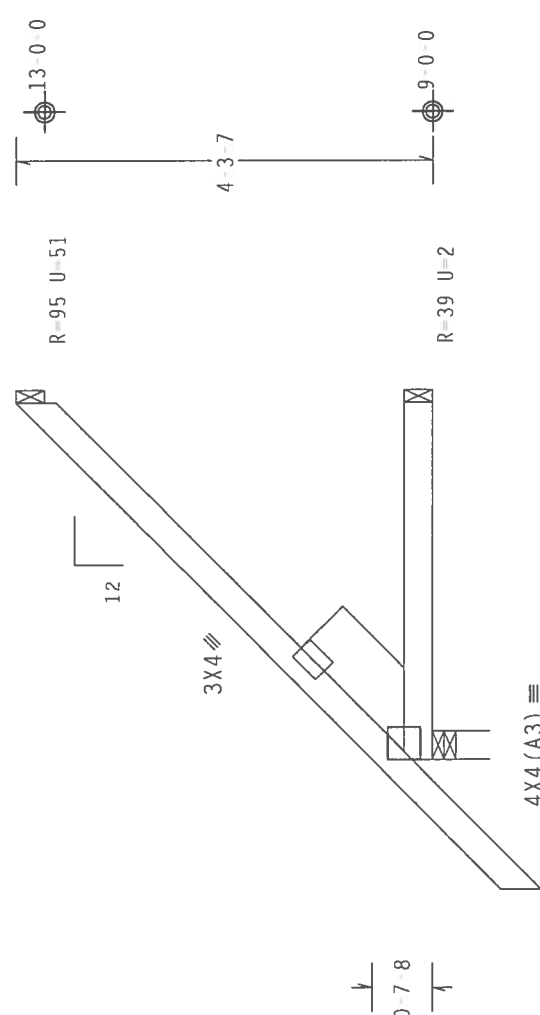
Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 :Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.500'

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 4 3 8.

Wind reactions based on MMFRS pressures.

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

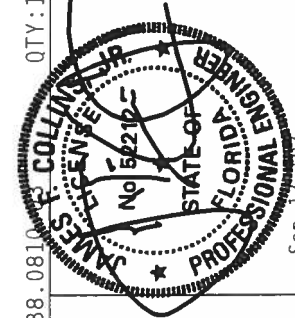


← 1-4-0 →
 ← 3-8-0 Over 3 Supports →
 R-281 W=3.5"

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

QTY:1 FL/-/5/-/-/R/- Scale = .5"/Ft.

TC LL	20.0 PSF	REF	R215 - 96202
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260053
BC LL	0.0 PSF	HC-ENG	EC/WHK *
TOT.LD.	40.0 PSF	SEQN-	198002
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	ITAU215_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 W. 11TH ST., SUITE 310, DALLAS, TEXAS 75202) FOR ALL INFORMATION CONCERNING THE PROPER USE OF TRUSS PLATES. 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. ITH BEG, 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. ITH BEG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/K) ASTM A653 GRADE 40/60 (IN. K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT SUPPLIED BY ITH BEG, INC. THE USER OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITH Building Components Group, Inc.
 Gaines City, FL 33844
 FL Certificate of Authorization # 567

Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 : Lt Sllder 2x8 SP #2 N: BLOCK LENGTH = 2.446'

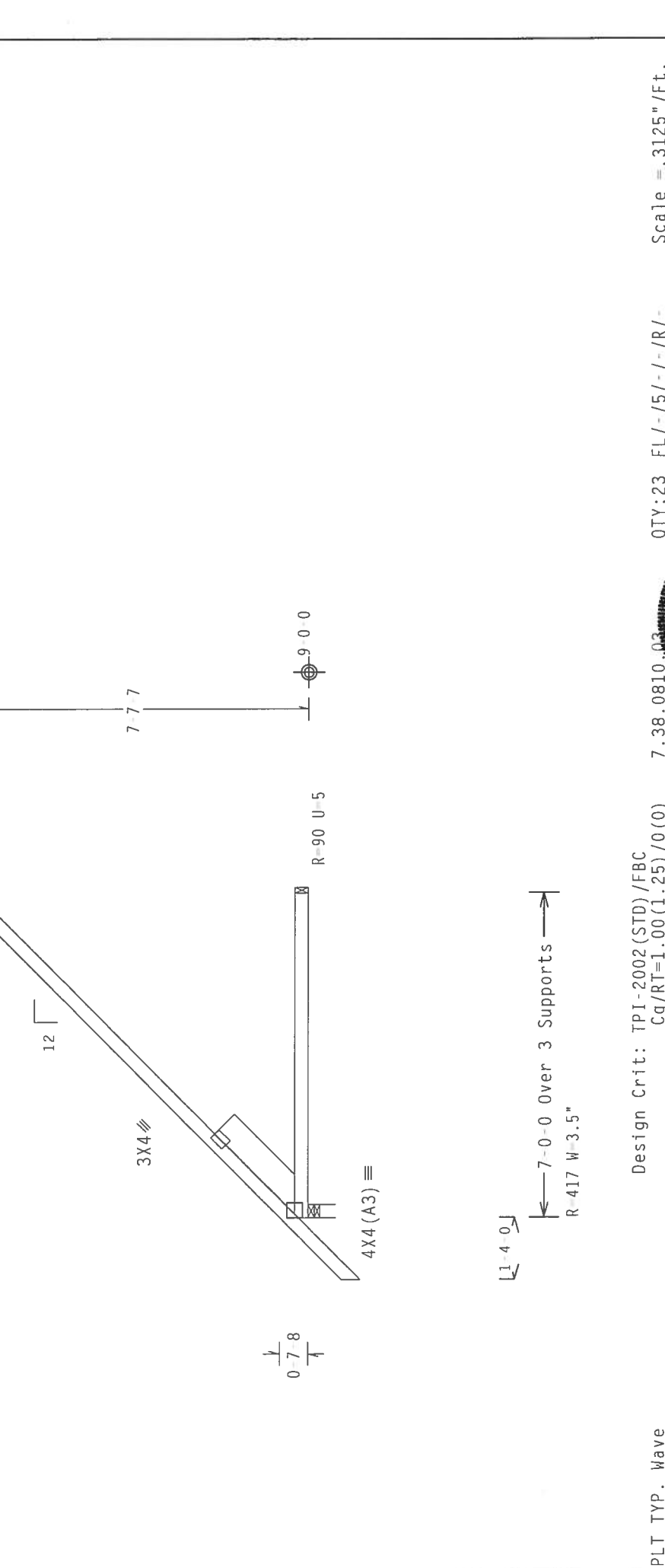
Calculated horizontal deflection is 0.15" due to live load and 0.17" due to dead load.

The overall height of this truss excluding overhang is 7-7-8.

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. $I_w=1.00$ $G_{Cpl}(+/-)=0.18$

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

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

Scale = .3125" /Ft.

REF R215 - 96204
 DATE 09/17/07
 DRW HCUSR215 07260055
 HC-ENG EC/WHK
 SEQN- 198052
 FROM CDM
 JREF - ITAU215_Z02

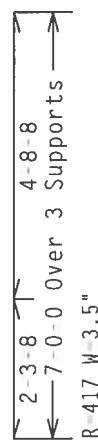
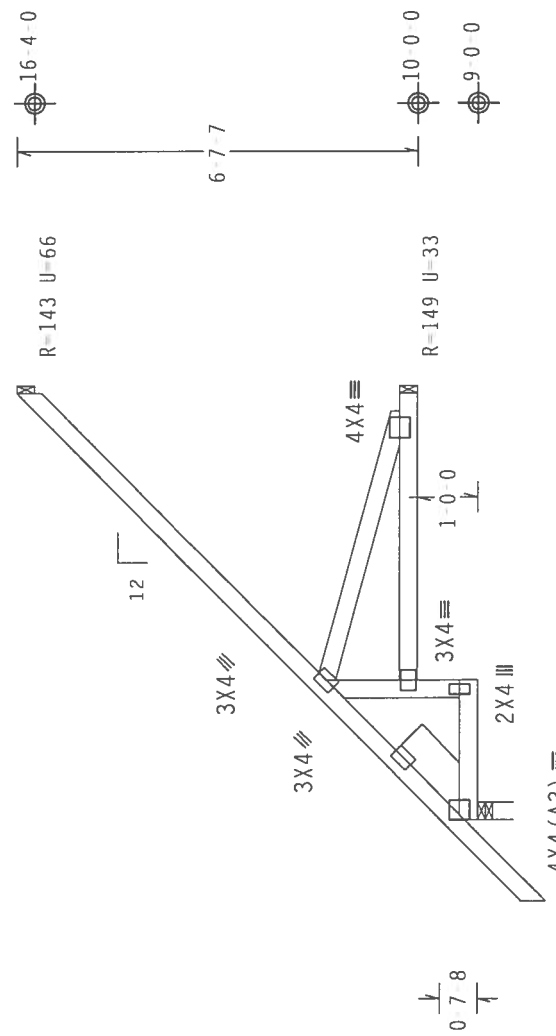
****WARNING**** TRUSSES REQUIRING FRAME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE SPECIFICATIONS FOR THE TRUSS MANUFACTURER'S INSTRUCTIONS BY THE TRUSS MANUFACTURER. THE TRUSS SHALL BE ASSEMBLED AND ERECTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE TRUSS SHALL BE ERECTED ON A PROPERLY PREPARED AND FINISHED CONCRETE FOUNDATION. THE TRUSS SHALL BE ERECTED ON A 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THIS DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. THE TRUSS SHALL BE ERECTED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. THE TRUSS SHALL BE ERECTED ON A PROPERLY PREPARED AND FINISHED CONCRETE FOUNDATION. THE TRUSS SHALL BE ERECTED ON A PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

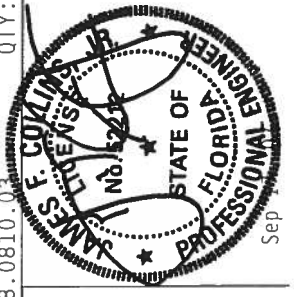
ITW Building Components Group, Inc.
 Haines City, FL 33844
 FL Certificate of Authorization # 567

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 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf. $lw=1.00 G Cp(+/-)=0.18$
 Wind reactions based on MMFRS pressures.
 The overall height of this truss excluding overhang is 7-7-8.

Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N
 :Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.500'
 Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave	QTY: 2	FL / - / 5 / - / - / R / -	Scale = .3125" / Ft.
REF R215 -	20.0 PSF	TC LL	96206
DATE 09/17/07	10.0 PSF	TC DL	
DRW HCURS215 07260056	10.0 PSF	BC DL	
HC-ENG EC/MHK *	0.0 PSF	BC LL	
SEQN - 198055	40.0 PSF	TOT.LD.	
FROM CDM	1.25	DUR.FAC.	
JREF - ITAU215_Z02	24.0"	SPACING	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPTI (INSTITUTION FOR TRUSS PLATE INSTITUTE, 219 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND WPCA (WOOD TRUSS COUNCIL OF AMERICA, UNLESS OTHERWISE INDICATED) 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. IPTI BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH IPTI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND IPTI. IPTI BCG CONNECTION PLATES ARE MADE OF 70/30/70GA (20/55/80) ASH 6063 GRADE 40/60 (IN. 27/11.55) GALV. STEEL. APPLY A PLATE TO EACH FACTORY CUT END OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TOGA 2. ALL TRUSS CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE WOOD JOINTS AND CONNECTIONS DESIGN DRAWING. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHALL INDICATE THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS1/IPTI 1 SEC. 2.

ALPINE

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

Top chord 2x4 SP #2 N
 Bot chord 2x6 SP #2 N
 Webs 2x4 SP #2 N

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC From 68 PLF at 0.00 to 68 PLF at 7.00
 BC From 20 PLF at 0.00 to 20 PLF at 7.00
 BC 477 LB Conc. Load at 0.56, 2.56, 4.56
 BC 434 LB Conc. Load at 6.56

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 7-7 8.

LOADING HAS BEEN CALCULATED BY THE TRUSS MANUFACTURER. IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY AND APPROVE THE LOADING.

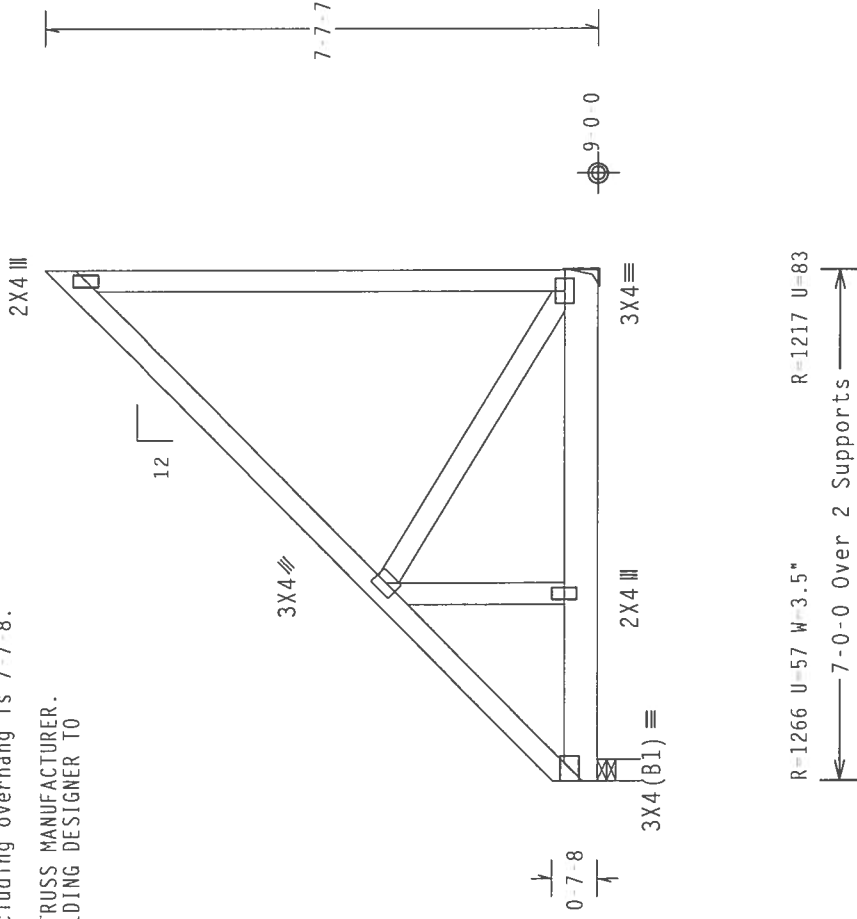
2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
 Top Chord: 1 Row @12.00" O.C.
 Bot Chord: 1 Row @ 5.75" O.C.
 Webs : 1 Row @ 4" O.C.

Use equal spacing between rows and stagger nails in each row to avoid splitting.

110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, 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.



R=1266 U=57 W=3.5* R=1217 U=83
 7-0-0 Over 2 Supports

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

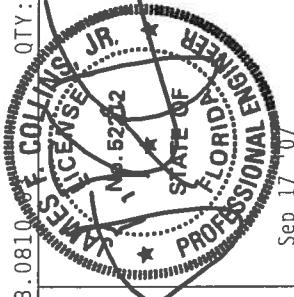
7.38.0810

QTY:2 FL/-/5/-/-/R/- Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSEI BUILDING EQUIPMENT SAFETY INFORMATION, PUBLISHED BY TPI (LUMBER PRODUCTS COMPANY, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND WCA GOOD 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. CONNECTOR PLATES ARE MADE OF 201/19/166A (40/55/K) ASH A653 GRADE 40/60 (M, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACT OF TRUSS JOINT. UNLESS OTHERWISE NOTED IN THIS DESIGN, POSITION PER DRAWINGS TOGA 2. DRAWING INDICATES CEILING PROFILES. SHALL BE THE RESPONSIBILITY OF THE BUILDING DESIGNER TO VERIFY DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/PT 1 SEC. 2.

TC LL	20.0 PSF	REF	R215--	96207
TC DL	10.0 PSF	DATE	09/17/07	
BC DL	10.0 PSF	DRW	HCUSR215	07260075
BC LL	0.0 PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0 PSF	SEQN-	198058	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	1TAU215_Z02	



Sep 17 '07

ALPINE

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 Haines City, FL 33844
 FL Certificate of Authorization # 567

PLT TYP. Wave

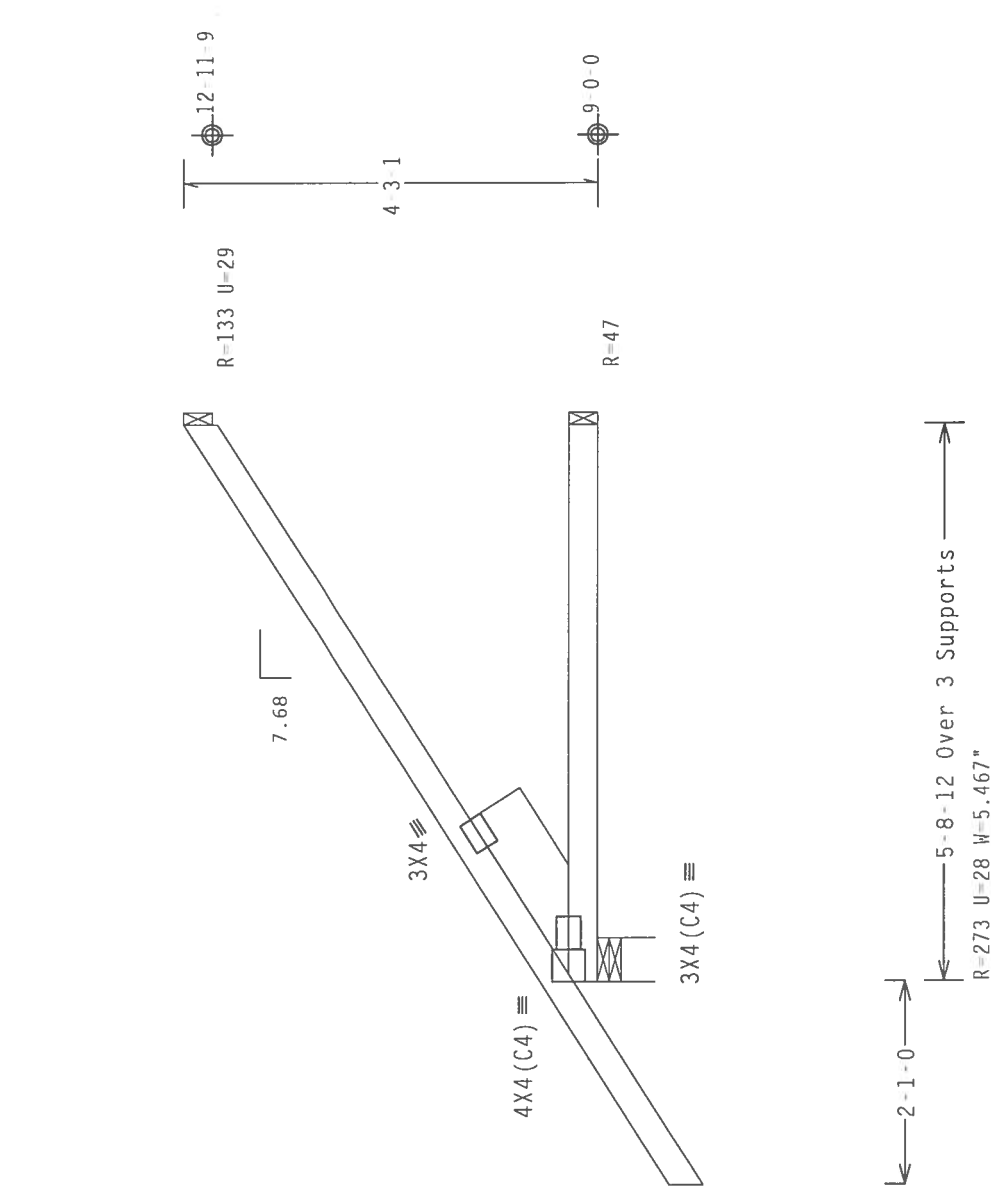
110 mph wind, 15.00 ft mean hgt. ASCE 7 02, CLOSED bldg. Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 Gcpi(+/-)=0.18

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 4-3-1.

Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 :Lt Slider 2x8 Sp #2 N: BLOCK LENGTH = 1.887'

Hipjack supports 4 0 10 setback jacks with no webs.
 Deflection meets L/240 live and L/180 total load.



PLT TYP. Wave

Design Crit: TPI-2002 (STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810.03 QTY:1 FL/-/5/-/-/R/- Scale = .5"/Ft.

REF	R215 -	96208
DATE	09/17/07	
DRW	HCUSR215	07260076
HC-ENG	EC/WHK	
SEQN	197999	
FROM	CDM	
JREF	ITAU215_Z02	

TC LL 20.0 PSF
 TC DL 10.0 PSF
 BC DL 10.0 PSF
 BC LL 0.0 PSF
 TOT.LD. 40.0 PSF
 DUR.FAC. 1.25
 SPACING 24.0"

ALPINE

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

SAKES E. CULLINS JR.
 No. 62212
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, UNLOADING AND BRACING. BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. TPI REG CORRELATOR PLATES ARE MADE OF 20/18/16GA (R, H/SS/K) ASTM A653 GRADE 40/60 (M, K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T604 Z. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERX AS OF TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMST/TPI 1 SEC. 2.

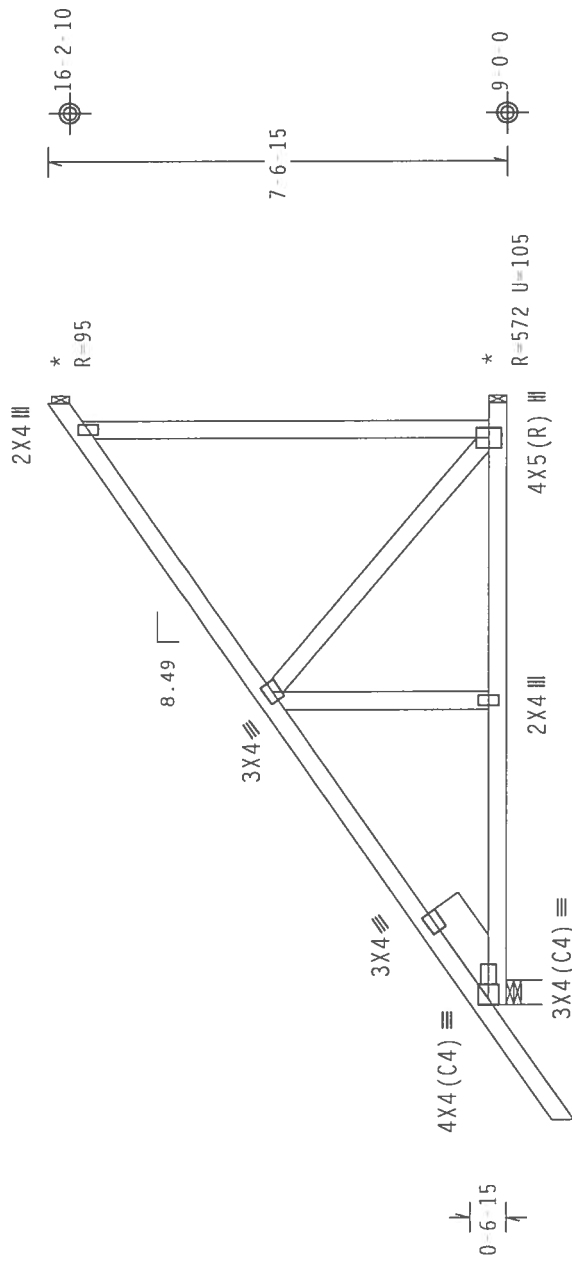
Top chord 2x4 SP #2 N
 Bot chord 2x4 SP #2 N
 Webs 2x4 SP #2 N
 : Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.709'

Hipjack supports 7 0 0 setback jacks with no webs.
 The overall height of this truss excluding overhang is 7 6 15.

* Toenail allowed based on average reaction.

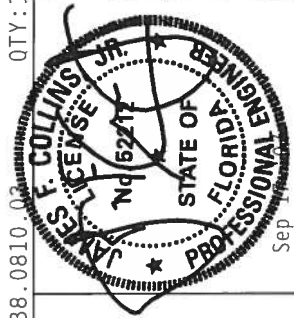
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf. Iw=1.00 G_{Cpi}(+/-)=0.18

Wind reactions based on MWFRS pressures.
 Deflection meets L/240 live and L/180 total load.



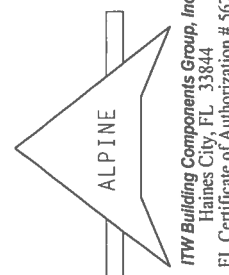
L1 10-10
 9-10-13 Over 3 Supports
 R=478 U=33 W=4.95"

PLT TYP. Wave	Design Crit: TPI-2002(STD)/FBC Cq/RT=1.00(1.25)/0(0)	7.38.0810.03	QTY: 1	FL/-/5/-/-/R/-	Scale = .3125"/Ft.
				TC LL	20.0 PSF
				TC DL	10.0 PSF
				BC DL	10.0 PSF
				BC LL	0.0 PSF
				TOT.LD.	40.0 PSF
				DUR.FAC.	1.25
				SPACING	24.0"
				REF	R215 - 96209
				DATE	09/17/07
				DRW	HCUSR215 07260077
				HC-ENG	EC/WHK
				SEQN-	197951
				FROM	CDM
				JREF-	1TAU215_Z02



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY TPI CROSS PLATE INSTITUTE, 218 GARDNER ST., HANESVILLE, GA 30653. ALL TRUSSES MUST BE BRACED 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. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 20/18/16GA (R.H/SS/K) ASTM A653 GRADE 40/60 (M. 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 ANNEK A3 OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



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

:Lt Slider 2x8 SP #2 N: BLOCK LENGTH = 1.887'

Hip/jack supports 7 8-12 setback jacks. Jacks up to 7' have no webs. Longer jacks supported to BC.

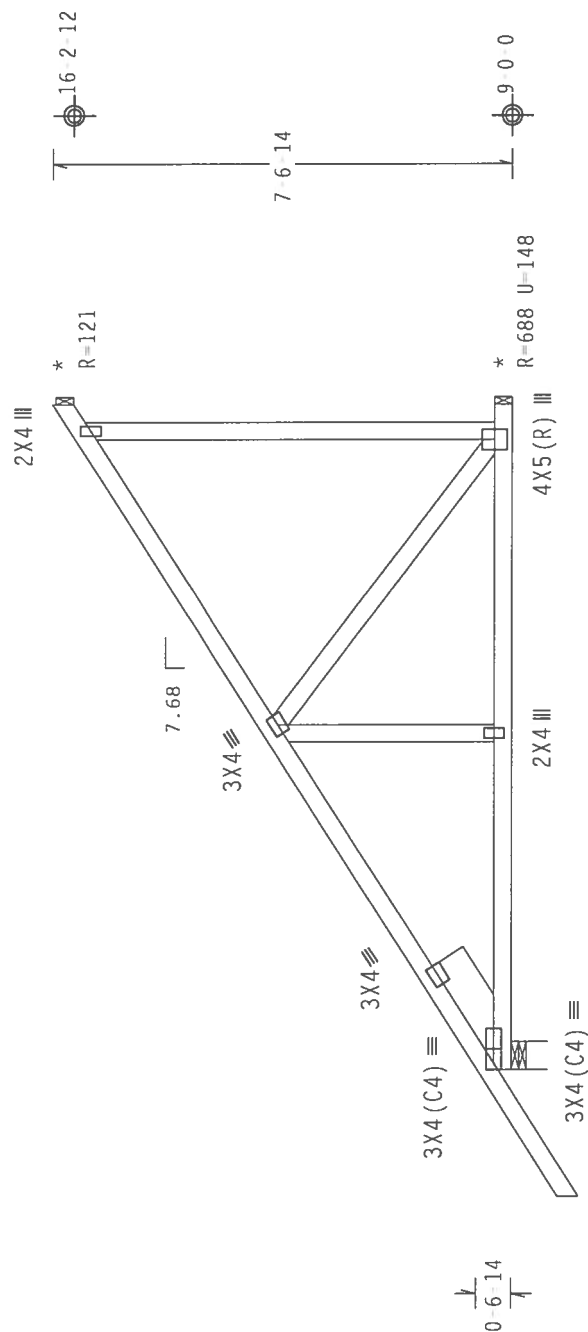
The overall height of this truss excluding overhang is 7 6 14.

* Toenail allowed based on average reaction.

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. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$

Wind reactions based on MMFRS pressures.

Deflection meets L/240 live and L/180 total load.



← 2 - 1 - 0 →

← 10 - 11 - 3 Over 3 Supports →

R-533 U=40 W=5.467"

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

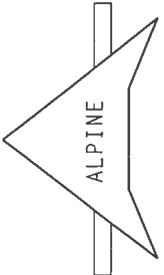
7.38.0810

QTY:1

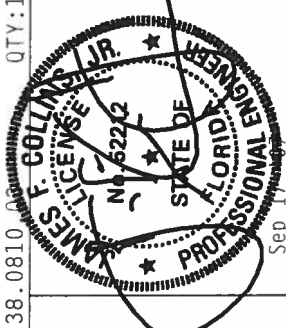
Scale = .3125" /Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCCA (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. THE SMALL 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. 1TH BC CONNECTION PLATES ARE MADE OF 20/18/16GA (W/155/R). ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY EACH FACE TO ALL TRUSS AND WEBS UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS TOGA 2. PLATING SPECIFIED TO BE 1/8" THICK UNLESS OTHERWISE NOTED. THE DESIGNER'S RESPONSIBILITY IS TO PROVIDE A 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.



ITW Building Components Group, Inc.
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TC LL	20.0 PSF	FL / - / 5 / - / - / R / -
TC DL	10.0 PSF	
BC DL	10.0 PSF	
BC LL	0.0 PSF	
TOT.LD.	40.0 PSF	
DUR.FAC.	1.25	
SPACING	24.0"	

REF	R215 - 96210
DATE	09/17/07
DRW	HCUSR215 07260078
HC-ENG EC/WHK	
SEQN-	198024
FROM	CDM
JREF-	ITAU215_Z02

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

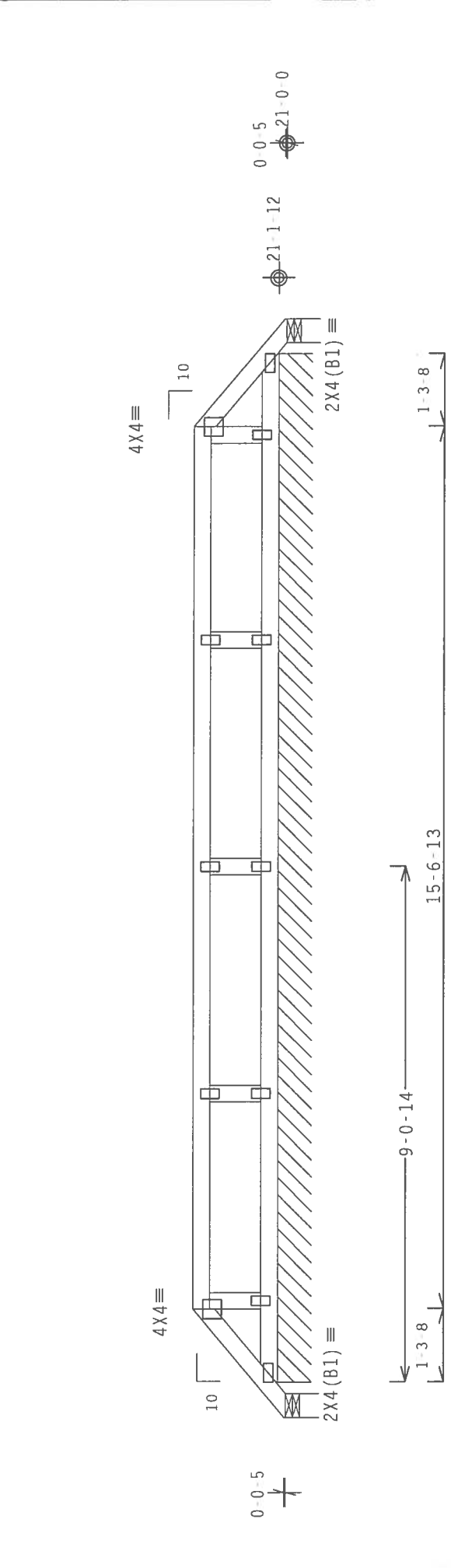
110 mph wind, 21.82 ft mean hgt, ASCE 7 02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=2.0 psf. $I_w=1.00$ $G_{CPI}(V)=0.18$

Wind reactions based on MWFRS pressures.
 The overall height of this truss excluding overhang is 17' 8".

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
 TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

SPECIAL LOADS
 --- (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 66 PLF at -0.62 to 66 PLF at 1.29
 TC - From 66 PLF at 1.29 to 66 PLF at 16.86
 TC - From 66 PLF at 16.86 to 66 PLF at 18.77
 BC - From 4 PLF at -0.62 to 4 PLF at 18.77

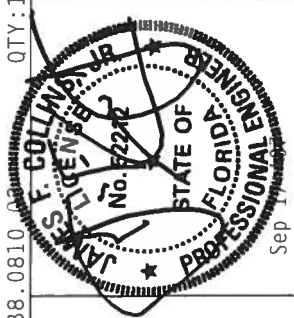
In lieu of rigid ceiling use purlins to brace BC @ 24" O.C.
 Deflection meets L/240 live and L/180 total load.



R-21 U-24 W=5.077"
 R-71 PLF U-23 PLF W=18 1-13
 Note: All Plates Are 2X4 Except As Shown.
 Design Crit: TPI-2002 (STD) / FBC
 Cq/RT=1.00(1.25)/0(0)

PLT TYP. Wave
 R-21 U-9 W=5.077"
 19-4-12 Over 3 Supports
 Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R215 - 96211
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260079
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN	198120
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1TAU215_Z02



ALPINE
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 Haines City, FL 33844
 FL Certificate of Authorization # 567

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO EACH MEMBER'S CONNECTION DETAIL FOR CONNECTIONS. THIS TRUSS IS DESIGNED TO BE INSTALLED ON NORTH LEE STREET SUITE 312, ALEXANDRIA, VA, 22314 AND MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. 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. THE REG. ENG. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE TRUSS AND FOR THE FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. CONNECTION PLATES ARE MADE OF 2018/16GA (W/H/SS/R) ASTM A653 GRADE 40/60 (M. K/H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE INDICATED ON THIS DESIGN, POSITION PER DRAWINGS. TO AVOID BRACING FAILURE OF PLATES, FOLLOW THE CONNECTION DETAIL FOR THE PLATE CONNECTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE 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.

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

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
 Deflection meets L/240 live and L/180 total load.

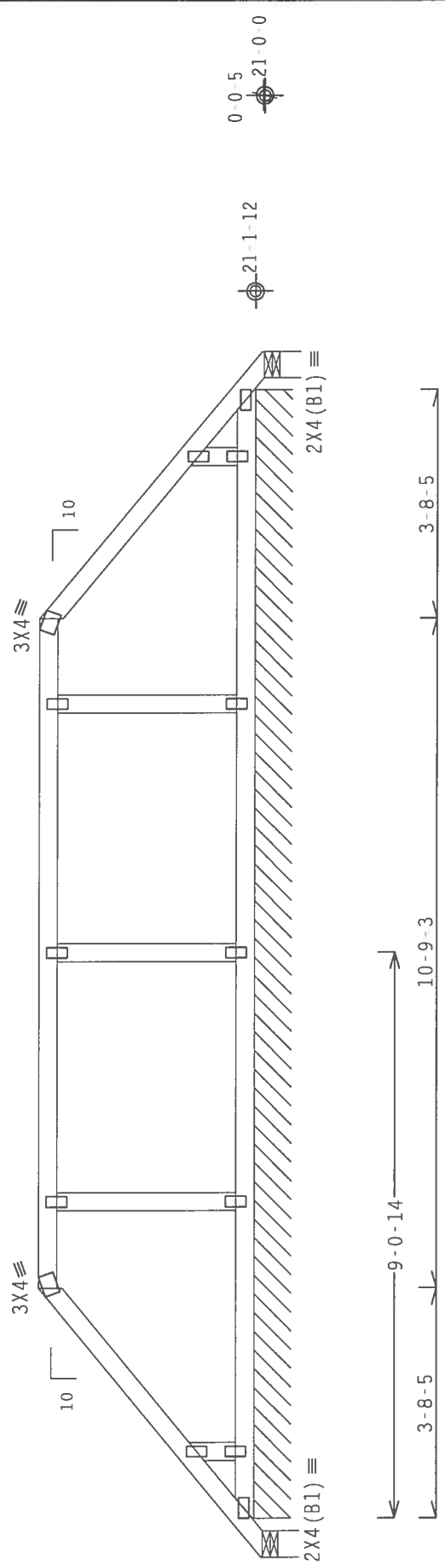
REFER TO DRAWING PIGBACK0204 FOR PIGGYBACK DETAILS.
 TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE
 BRACED @ 24" O.C.

110 mph wind, 25.07 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

SPECIAL LOADS

---	(LUMBER	DUR.FAC.	=1.25	/	PLATE	DUR.FAC.	=1.25)			
TC	From	66	PLF	at	0.62	to	66	PLF	at	3.69
TC	From	66	PLF	at	3.69	to	66	PLF	at	14.46
TC	From	66	PLF	at	14.46	to	66	PLF	at	18.77
BC	From	4	PLF	at	0.62	to	4	PLF	at	18.77

The overall height of this truss excluding overhang is 3-7-8.



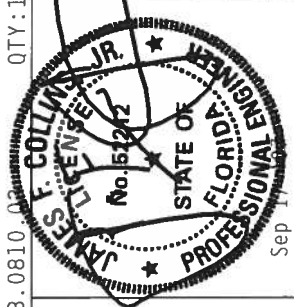
19-4-12 Over 3 Supports
 R=29 U=180 W=5.077"
 R=70 PLF U=180 W=18-1-13

Note: All Plates Are 2X4 Except As Shown.

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

QTY: 1 FL/-/5/-/-/R/- Scale = .375"/Ft.

REF	R215--	96212
DATE	09/17/07	
DRW	HCUSR215	07260080
HC-ENG	EC/WHK	
SEQN-	198123	
FROM	CDM	
JREF-	1TAU215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO THE TRUSS MANUFACTURER'S INSTRUCTIONS FOR THE TRUSS. THE TRUSS IS THE PROPERTY OF THE TRUSS MANUFACTURER AND IS NOT TO BE REUSED OR REBUILT. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES. THE TRUSS IS NOT TO BE USED FOR ANY OTHER PURPOSES.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES. ITW BEG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

CONCRETE OR PLATES ARE MADE OF 2018/166A (4-N/55/R) ASTM A653 GRADE 40/60 (40/50) GALV. STEEL. APPLY PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-Z. THE LOCATION OF PLATES FOLLOWING (C) SHALL BE PER AREA AS OF 1/11/2002 SEC. 3. A SEAL OR THIS DRAWING SHALL BE PLACED ON THE TRUSS FOR THE TRUSS MANUFACTURER'S USE. THE SEAL SHALL BE THE PROPERTY OF THE TRUSS MANUFACTURER. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

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

110 mph wind, 23.82 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. $I_w=1.00$ $G_{CPI}(+/-)=0.18$

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 5-7-8.

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
 TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

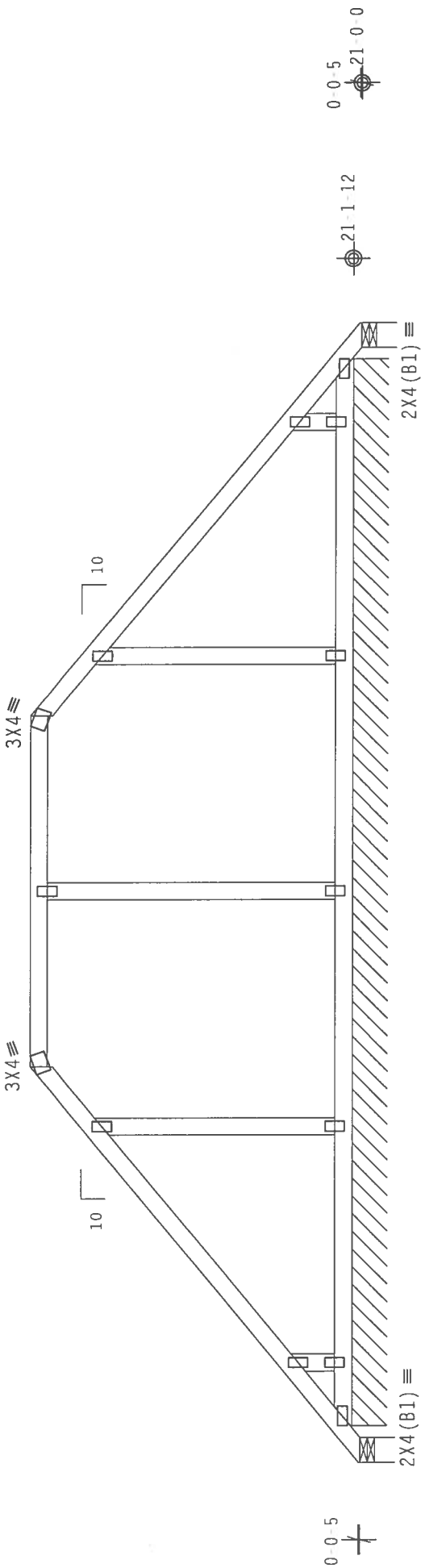
SPECIAL LOADS

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

TC - From	66 PLF at 0.62 to	66 PLF at 6.09
TC - From	66 PLF at 6.09 to	66 PLF at 12.06
TC - From	66 PLF at 12.06 to	66 PLF at 18.77
BC - From	4 PLF at 0.62 to	4 PLF at 18.77

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

Deflection meets L/240 live and L/180 total load.



9-0-14 5-11-10 6-1-2

19-4-12 Over 3 Supports

R-28 U-91 W=5.077"
 R-70 PLF U-25 PLF W=18.1-13

R=28 U-1 W=5.077"

Note: All Plates Are 2X4 Except As Shown.

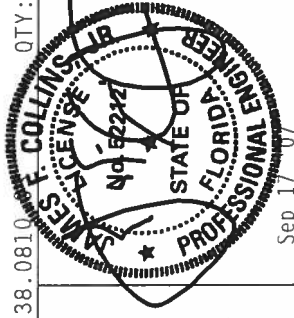
Design Crit: TPI-2002(STD)/FBC
 $C_q/RT=1.00(1.25)/0(0)$

7.38.0810

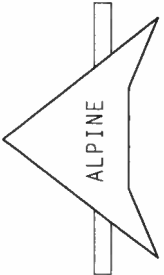
QTY:1

Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R215 - 96213
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260081
BC LL	0.0 PSF	HC-ENG	EC/MHK
TOT.LD.	40.0 PSF	SEQN-	198126
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	ITAU215_Z02



Sep 17 07



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

****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSEI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPT (TRUSS PLATE INSTITUTE), 210 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314, AND WCA (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.

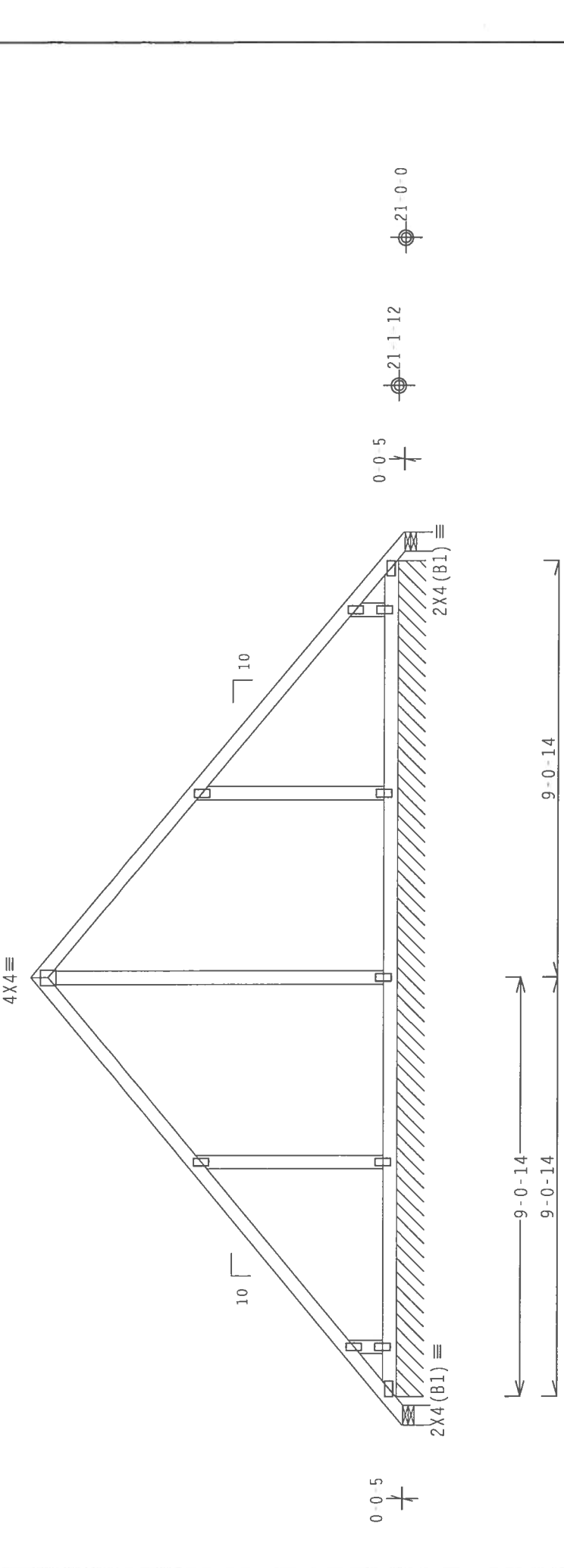
****IMPORTANT**** URNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AIA (NATIONAL DESIGN SPEC. BY AFAPA) AND TPI. THE BCG CONNECTION PLATES ARE MADE OF 2017B/T606 (W/55%) ASTM A663 GRADE 40/60 (N. K/1-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. DON'T CUT OR DRILL TRUSS OR PLATE UNLESS SPECIFICALLY NOTED. THE BCG, INC. ASSUMES NO LIABILITY FOR THE TRUSS OR FOR THE DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMSE/TPI 1 SEC. 2.

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

110 mph wind, 25.07 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. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$

Wind reactions based on MWFRS pressures.
 The overall height of this truss excluding overhang is 8 1-5.

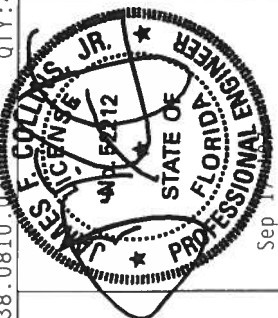
REFER TO DRAWING PIGBACK0204 FOR PIGGYBACK DETAILS.
 TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.



Note: All Plates Are 2X4 Except As Shown.
 Design Crit: TPI-2002(STD)/FBC
 $C_q/RT=1.00(1.25)/0(0)$ 7.38.0810 0.00

PLT TYP. Wave
 Scale = .3125"/Ft.

TC LL	20.0	PSF	QTY: 4	FL / - / 5 / - / - / R / -	REF	R215 - -	96215
TC DL	10.0	PSF			DATE	09/17/07	
BC DL	10.0	PSF			DRW	HCUSR215	07260083
BC LL	0.0	PSF			HC-ENG	EC/MHK	
TOT.LD.	40.0	PSF			SEQN	198132	
DUR.FAC.	1.25				FROM	CDM	
SPACING	24.0"				JREF	1TAU215_Z02	



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

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

110 mph wind, 25.82 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. $I_w=1.00$ $G_{CPI}(+/-) = 0.18$

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 5-11-7.

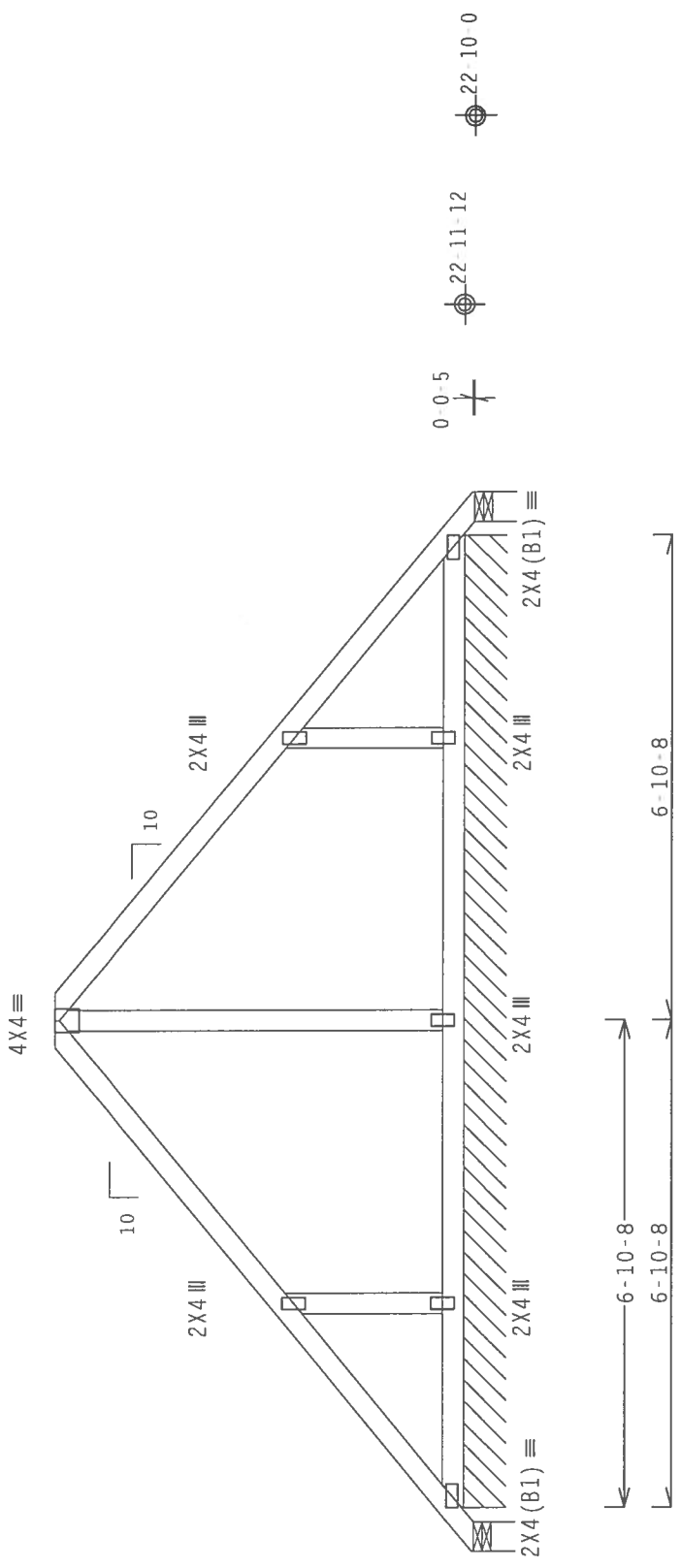
REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 66 PLF at -0.62 to 66 PLF at 6.49
 TC - From 66 PLF at 7.26 to 66 PLF at 14.37
 BC - From 4 PLF at -0.62 to 4 PLF at 14.37

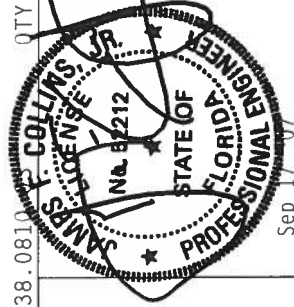
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

Deflection meets L/240 live and L/180 total load.



R-4 U=109 W=5.077"
 R-70 PLF U=28 PLF W=13 9-0
 14-11-15 Over 3 Supports
 R-4 U=8 W=5.077"
 Scale = .375" / Ft.

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



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO MCSI (BUILDING COMPONENTS SAFETY INFORMATION) PUBLISHED BY TPI (TRUSS PARTS INFORMATION) 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304 AND WCA (WOOD TRUSS COUNCIL OF AMERICA) UNLESS OTHERWISE INDICATED. INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT**** TURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITH BEG, 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. FOR WOOD) AND IPI. ITH BEG CONNECTOR PLATES ARE MADE OF 20/18/16GA. (4-H/55/S) ASTM A653 GRADE 40/60 (4-K7H-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ALL CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE AISC CONNECTIONS DESIGN MANUAL. THE STABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/IPI 1 SEC. 2.

PLT TYP. Wave

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

QTY:	1	FL	/	5	/	-	/	R	/	Scale = .375" / Ft.
TC LL	20.0	PSF								REF R215 - 96217
TC DL	10.0	PSF								DATE 09/17/07
BC DL	10.0	PSF								DRW HCUSR215 07260084
BC LL	0.0	PSF								HC-ENG EC/WHK
TOT.LD.	40.0	PSF								SEQN- 198158
DUR.FAC.	1.25									FROM CDM
SPACING	24.0"									JREF- 1TAU215_Z02

SPECIAL LOADS

(LUMBER	DUR.FAC.	=1.25	/	PLATE	DUR.FAC.	=1.25)	
TC - From	66	PLF at	0.62	to	66	PLF at	3.84
TC - From	66	PLF at	3.84	to	66	PLF at	6.24
TC - From	66	PLF at	6.24	to	66	PLF at	6.88
TC - From	66	PLF at	6.88	to	66	PLF at	9.66
TC - From	66	PLF at	9.66	to	66	PLF at	12.06
TC - From	66	PLF at	12.06	to	66	PLF at	14.37
BC - From	4	PLF at	0.62	to	4	PLF at	14.37

Deflection meets L/240 live and L/180 total load.

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

The overall height of this truss excluding overhang is 4-3 5/8.

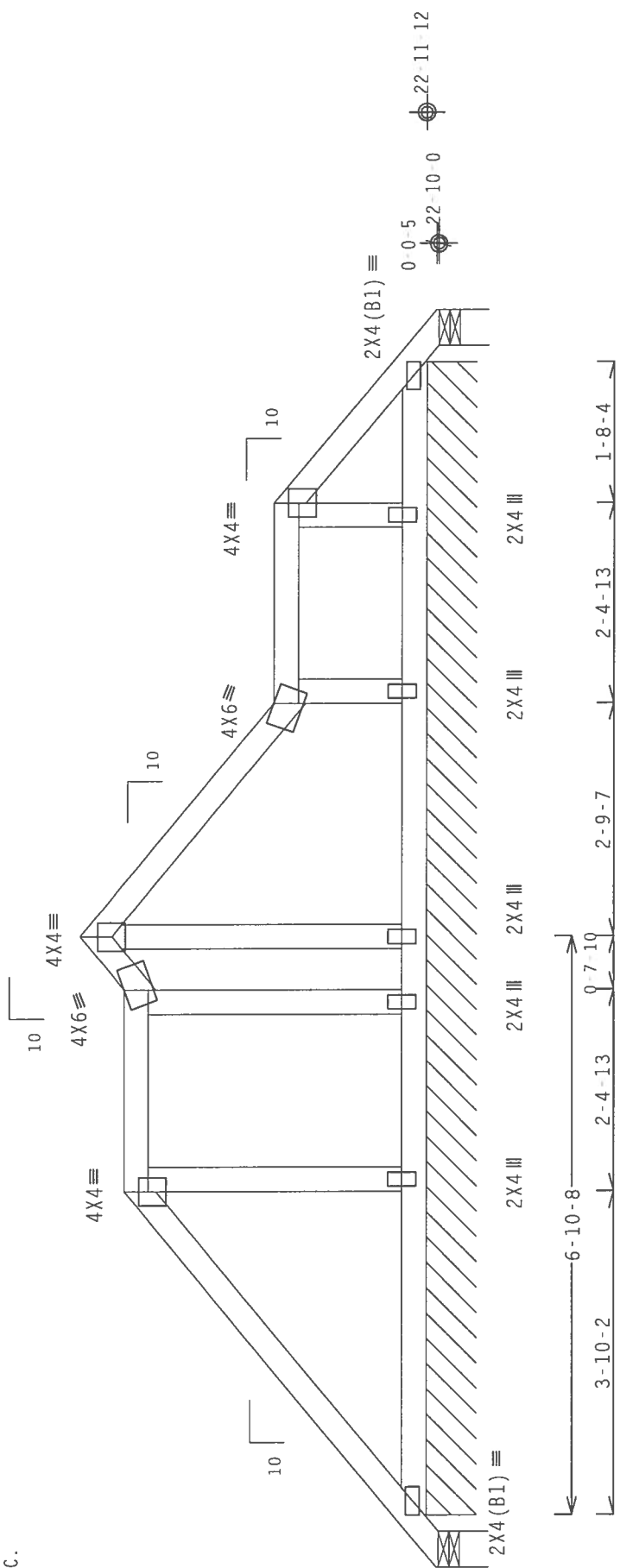
REFER TO DRAWING PIGGYBACK0204 FOR PIGGYBACK DETAILS.

TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

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

110 mph wind, 24.98 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=2.0 psf. $I_w=1.00$ GCpi(+/-)-0.18

Wind reactions based on MWFRS pressures.



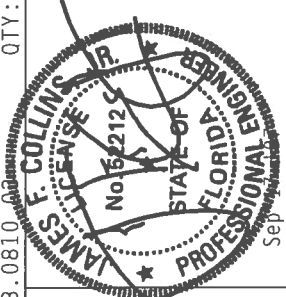
R=76 U=127 W=5.077"
 R=79 PLF U=32 PLF W=13 9-0

14-11-15 Over 3 Supports

R=11 U=3 W=5.077"

Design Crit: TPI-2002 (STD) / FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/-

PLT TYP. Wave	Scale = .5" / Ft.
REF R215-- 96219	TC LL 20.0 PSF
DATE 09/17/07	TC DL 10.0 PSF
DRW HCUSR215 07260086	BC DL 10.0 PSF
HC-ENG EC/MHK	BC LL 0.0 PSF
SEQN- 198165	TOT.LD. 40.0 PSF
FROM CDM	DUR.FAC. 1.25
JREF - 1TAU215_Z02	SPACING 24.0"



****WARNING**** TRUSS'S REQUIRE EXTERIOR GABLE END FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 W. 10TH ST., WICHITA, KS 67202-1000, 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 BEG, 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 OR BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/PCA) AND TPI. ITW BEG CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-11/55/K) ASTM A653 GRADE 40/60 (H. 7/11-SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A 2. ANY INSPECTION OF PLATES FOLLOWED BY (U) SHALL BE PER AMERICAN SOCIETY OF TRUSS ENGINEERS (ASTE). A SEAL ON THIS DESIGN INDICATES ACCEPTANCE BY PROFESSIONAL ENGINEERING RESPONSIBILITY SOCIETY FOR THE TRUSS COMPONENT. THIS SEAL DOES NOT INDICATE THE ACCEPTANCE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group, Inc.
 Haines City, FL 33844

FL Certificate of Authorization # 567

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

110 mph wind, 24.98 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=2.0 psf. $I_w=1.00$ $Gcpi(+/-)=0.18$

Wind reactions based on MWFRS pressures.

Deflection meets L/240 live and L/180 total load.

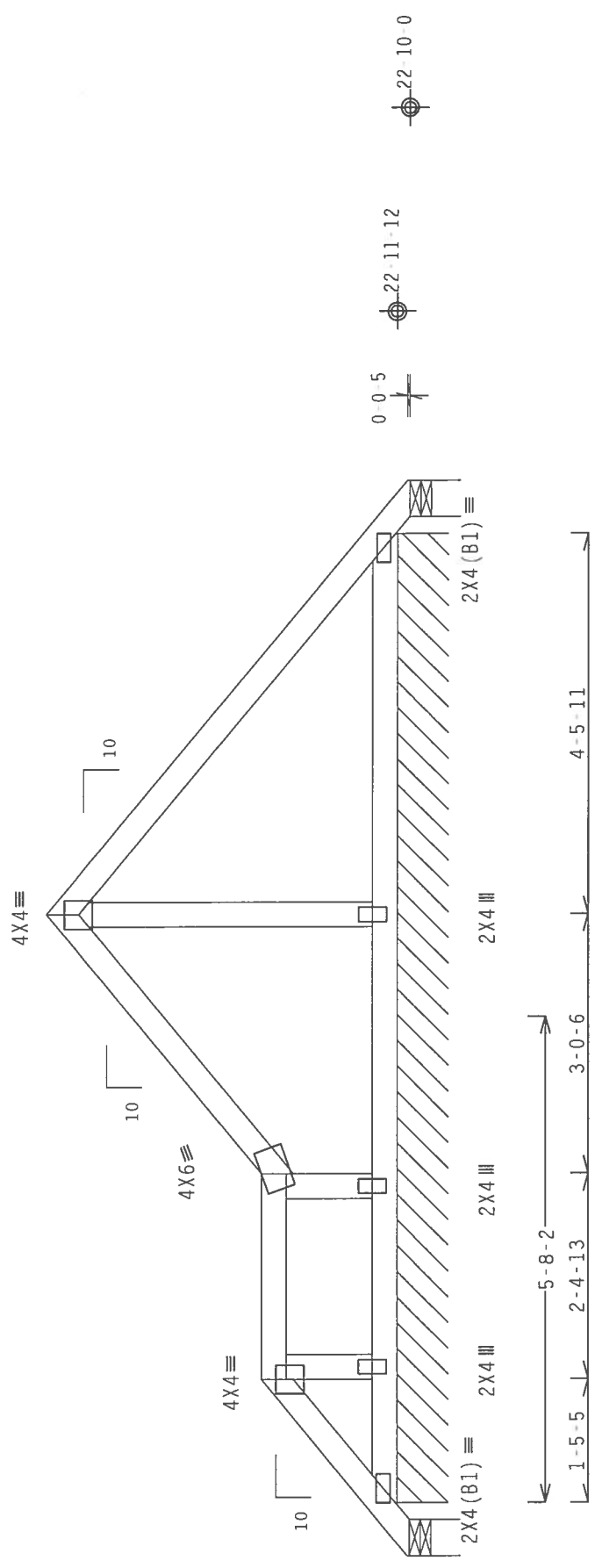
REFER TO DRAWING PIGBACK0204 FOR PIGGYBACK DETAILS. TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

SPECIAL LOADS

TC - From	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From	66 PLF at -0.62 to 66 PLF at 1.44
TC - From	66 PLF at 1.44 to 66 PLF at 3.84
TC - From	66 PLF at 3.84 to 66 PLF at 6.88
TC - From	66 PLF at 6.88 to 66 PLF at 11.97
BC - From	4 PLF at -0.62 to 4 PLF at 11.97

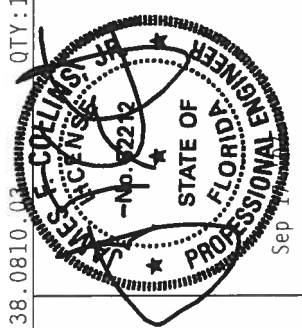
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.

The overall height of this truss excluding overhang is 4-3-5.



R-18 U=74 W=5.077"
 R-84 PLF U=35 PLF W=11 4-3
 R=114 U=85 W=5.077"
 12-7-2 Over 3 Supports
 Scale = .5" / Ft.

Design Crit: TPI-2002 (STD) / FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810.03 QTY:1



WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 W. 31st Street, Suite 310, San Diego, CA 92101, 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. THE 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 AND BRACING OF TRUSSES.

DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. THE REG CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/SS/R) ASTM A653 GRADE 40/60 (M. K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. 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 BEING SHOWN. CONSULT WITH TPI FOR ANY OTHER 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	R215-- 96220
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260087
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	198168
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	ITAU215_Z02

ALPINE

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

Sep 14

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

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
 Deflection meets L/240 live and L/180 total load.

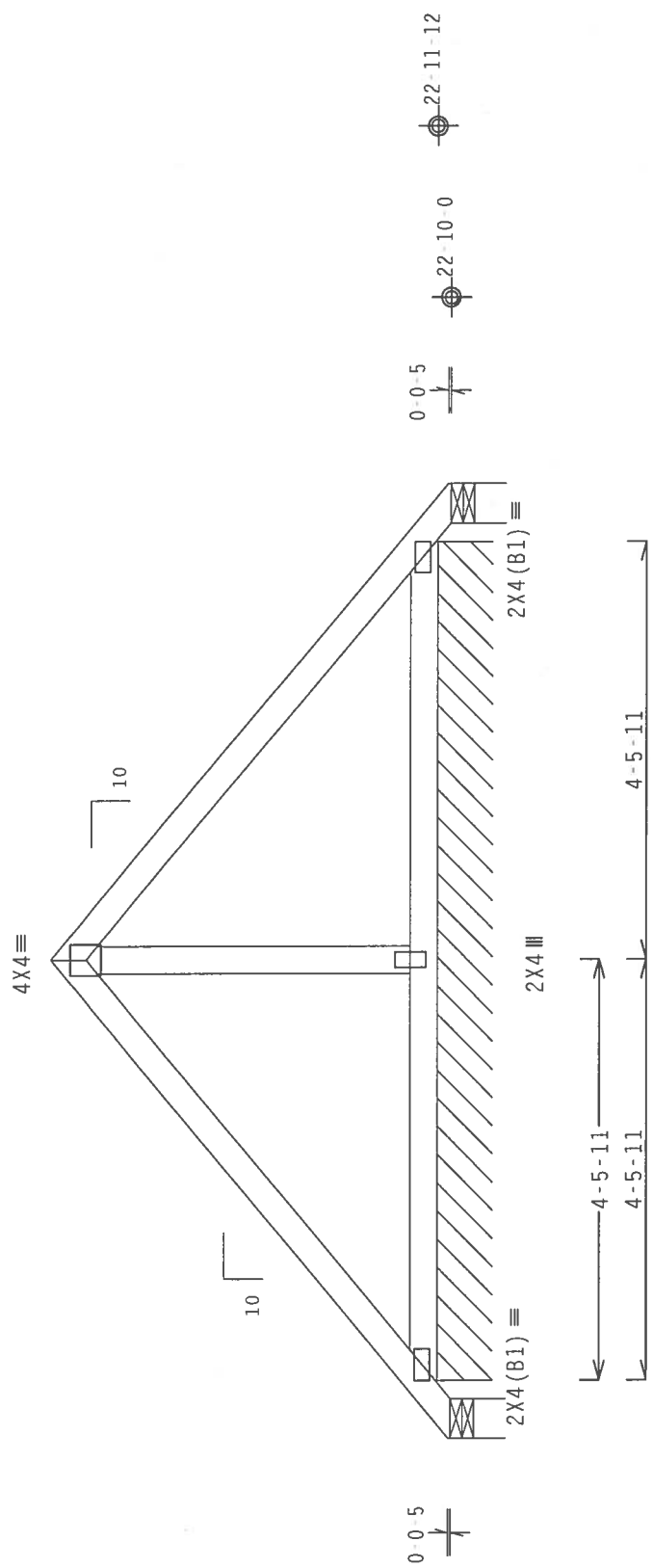
REFER TO DRAWING PIGBACK0204 FOR PIGGYBACK DETAILS.
 TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

110 mph wind, 25.07 ft mean ht. 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. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$

SPECIAL LOADS

- (LUMBER DUR.FAC=1.25 / PLATE DUR.FAC.=1.25)
- TC - From 66 PLF at -0.62 to 66 PLF at 4.48
- TC - From 66 PLF at 4.48 to 66 PLF at 9.57
- BC - From 4 PLF at -0.62 to 4 PLF at 9.57

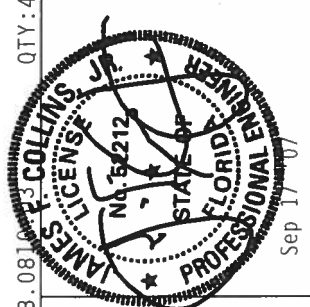
The overall height of this truss excluding overhang is 4-3-5.



R=97 U=180 W=5.077*
 R=98 PLF U=180 W=8 11 6
 10-2-6 Over 3 Supports
 R=97 U=180 W=5.077*

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

TC LL	20.0 PSF	REF	R215--	96221
TC DL	10.0 PSF	DATE	09/17/07	
BC DL	10.0 PSF	DRW	HCUSR215	07260088
BC LL	0.0 PSF	HC-ENG	EC/WHK	
TOT.LD.	40.0 PSF	SEQN-	198171	
DUR.FAC.	1.25	FROM	CDM	
SPACING	24.0"	JREF-	ITAU215_Z02	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 W. 10TH ST., SUITE 100, DENVER, CO 80202, USA) 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. THE 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. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. THE BCG CONTRACTOR PLATES ARE MADE OF 2018/1666 (4.0/55/K) ASTM A653 GRADE 40/60 (N. K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN AND NOT FOR THE USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/TP1 SEC. 2.

ALPINE

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

PLT TYP. Wave

Scale = .5" / Ft.

QTY: 4

FL / - / 5 / - / - / R / -

Sep 17 07

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

110 mph wind, 24.07 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. $1w=1.00 Gcpi(+/-)=0.18$

Wind reactions based on MWFRS pressures.

The overall height of this truss excluding overhang is 2-5-8.

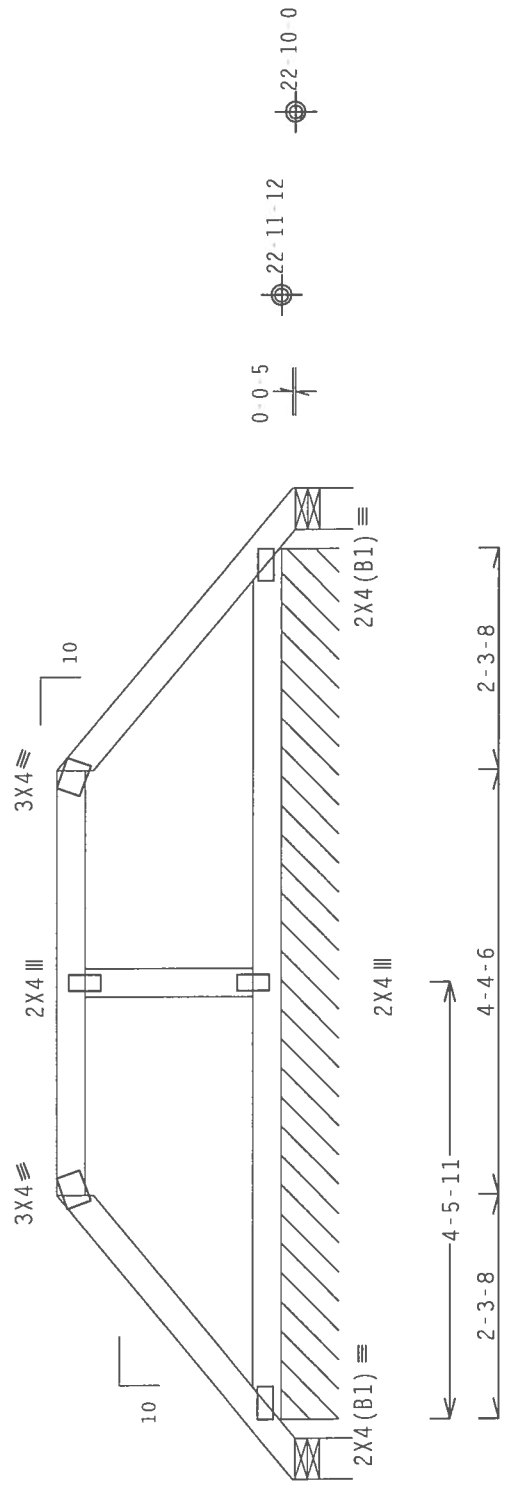
REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
 TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

SPECIAL LOADS

TC - From	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From	66 PLF at -0.62 to 66 PLF at 2.29
TC - From	66 PLF at 2.29 to 66 PLF at 6.66
TC - From	66 PLF at 6.66 to 66 PLF at 9.57
BC - From	4 PLF at -0.62 to 4 PLF at 9.57

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

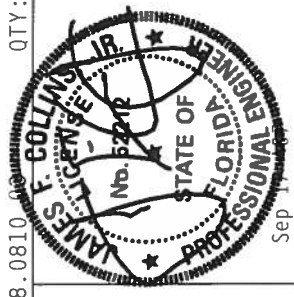
Deflection meets L/240 live and L/180 total load.



R=1 U=76 W=5.077"
 R-76 PLF U=29 PLF W=8-11-6
 10-2-6 Over 3 Supports
 R-1 U=37 W=5.077"

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

TC LL	20.0 PSF	REF	R215 - 96222
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260089
BC LL	0.0 PSF	HC-ENG	EC/MHK
TOT.LD.	40.0 PSF	SEQN	198174
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF	1TAU215_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (BRUSS PLATE INSTITUTE, 218 GARDNER STREET, ST. LOUIS, MO 63103) FOR ALL INFORMATION CONCERNING THE PROPER USE OF TRUSSES. UNLESS OTHERWISE SPECIFIED, ALL TRUSSES SHALL BE FABRICATED IN ACCORDANCE WITH THE TPI DESIGN SPECIFICATIONS. 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. THE 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 CONNECTIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. THE BCG CONNECTOR PLATES ARE MADE OF 201/18/16GA (40/55/48) ASTM A653 GRADE 40/60 (40-55/55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 16GA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) DRAWING INDICATES. ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

PLT TYP. Wave

QTY: 1 FL/-/5/-/-/R/- Scale = .5"/Ft.

(4883-MCNEIL RESIDENCE /BLAKE CONSTRUCTION -- Lot 8-Country Lakes @ - PBA13)

SPECIAL LOADS

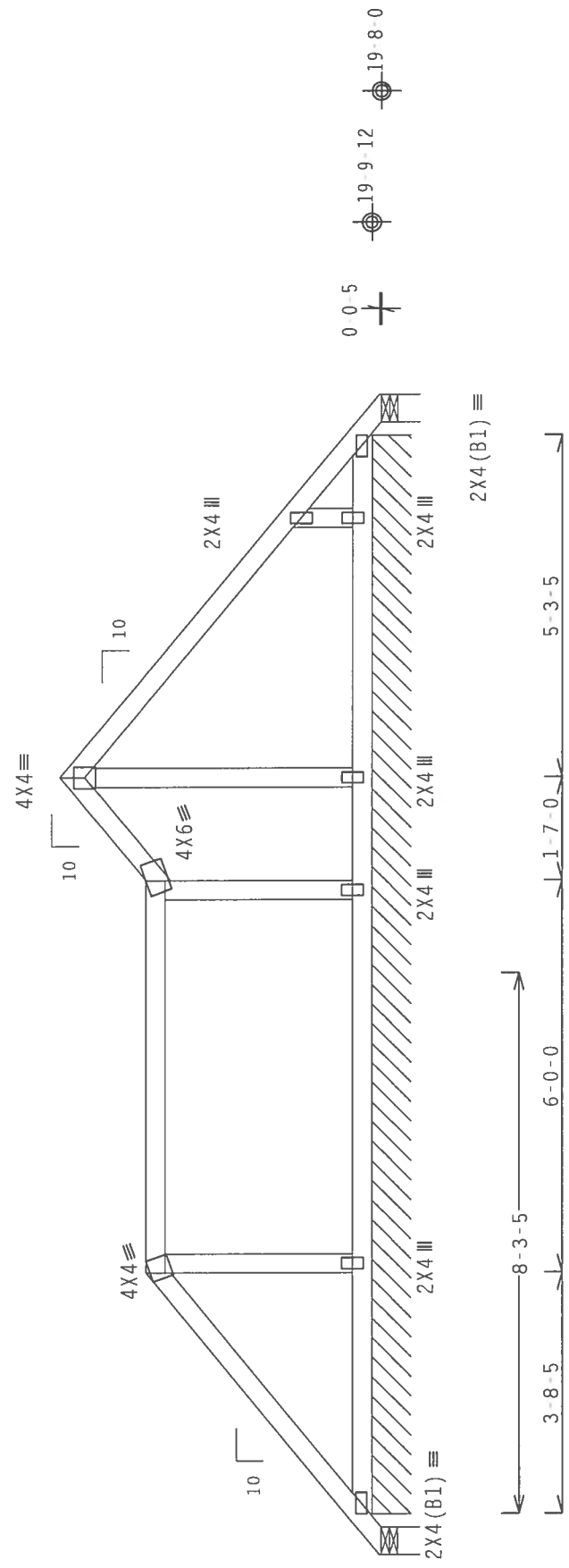
(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC - From	66 PLF at -0.62 to	66 PLF at 3.69
TC - From	66 PLF at 3.69 to	66 PLF at 9.69
TC - From	66 PLF at 9.69 to	66 PLF at 11.28
TC - From	66 PLF at 11.28 to	66 PLF at 17.17
BC - From	4 PLF at -0.62 to	4 PLF at 17.17

110 mph wind, 22.15 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=2.0 psf. $I_w=1.00$ $Gcpi(\cdot)=0.18$

Wind reactions based on MWFRS pressures.
 Deflection meets L/240 live and L/180 total load.
 In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
 The overall height of this truss excluding overhang is 4-11-5.

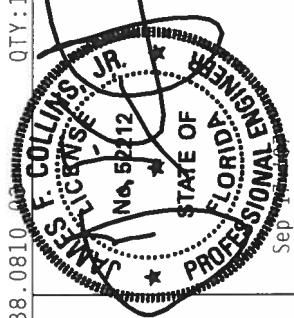
REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
 TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.



R=19 U=126 W=5.077"
 R=73 PLF U=25 PLF W=16 6-10
 17-9-9 Over 3 Supports
 R=30 U=12 W=5.077"

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

PLT TYP. Wave	QTY:1	FL/-/5/-/-/R/-	Scale = .375"/Ft.
	TC LL	20.0 PSF	REF R215 - 96223
	TC DL	10.0 PSF	DATE 09/17/07
	BC DL	10.0 PSF	DRW HCUSR215 07260090
	BC LL	0.0 PSF	HC-ENG EC/WHK
	TOT.LD.	40.0 PSF	SEQN - 198178
	DUR.FAC.	1.25	FROM CDM
	SPACING	24.0"	JREF - ITAU215_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (CROSS PLATE INSTITUTE, 718 W. 31st St., Columbus, GA 31906) FOR ALL INFORMATION CONCERNING THE PROPER USE OF TPI TRUSSES. UNLESS OTHERWISE SPECIFIED, THE TRUSS SHALL BE FABRICATED AND BRACED IN ACCORDANCE WITH THE TPI DESIGN SPECIFICATIONS. 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. THE BGC, THE SMALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI; OR FABRICATING, HANDLING, SHIPPING, INSTALLING A BRACING OF TRUSSES.

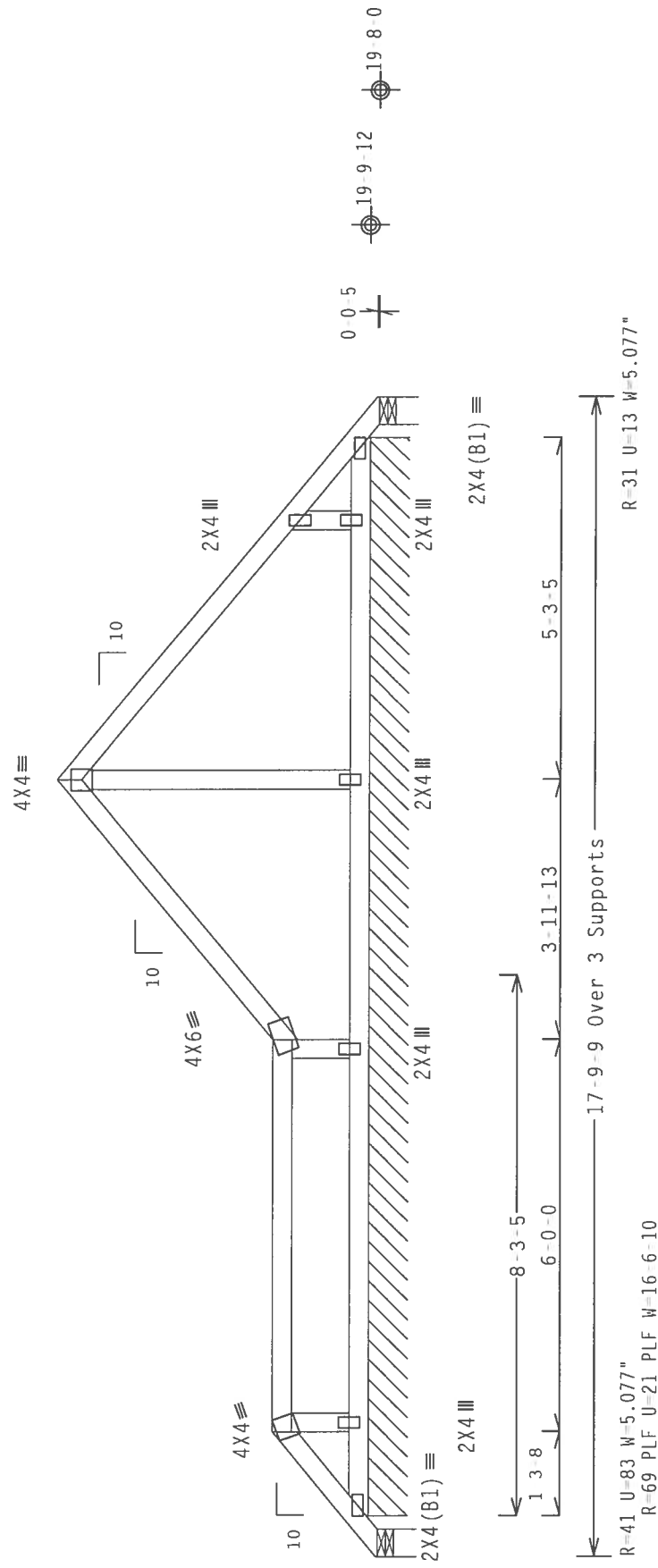
DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AIA/PFA) AND TPI. THE BGC CONNECTION PLATES ARE MADE OF 2018/16GA (8.4/55/8) ASTM A653 GRADE 40/60 (M. K/H-55) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 16GA-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

ALPINE

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

SPECIAL LOADS
 (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 66 PLF at 0.62 to 66 PLF at 1.29
 TC - From 66 PLF at 1.29 to 66 PLF at 7.29
 TC - From 66 PLF at 7.29 to 66 PLF at 11.28
 TC - From 66 PLF at 11.28 to 66 PLF at 17.17
 BC - From 4 PLF at 0.62 to 4 PLF at 17.17

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
 The overall height of this truss excluding overhang is 4-11-5.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
 Cq/RT=1.00(1.25)/0(0) 7.38.0810 QTY:1 FL/-/5/-/-/R/- Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R215 - 96224
TC DL	10.0 PSF	DATE	09/17/07
BC DL	10.0 PSF	DRW	HCUSR215 07260091
BC LL	0.0 PSF	HC-ENG	EC/WHK
TOT.LD.	40.0 PSF	SEQN-	198182
DUR.FAC.	1.25	FROM	CDM
SPACING	24.0"	JREF-	1TAU215_Z02

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

Professional Engineer Seal:
 F. GOLLING, JR.
 LICENSE No. 62212
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 Sep 17, 2007

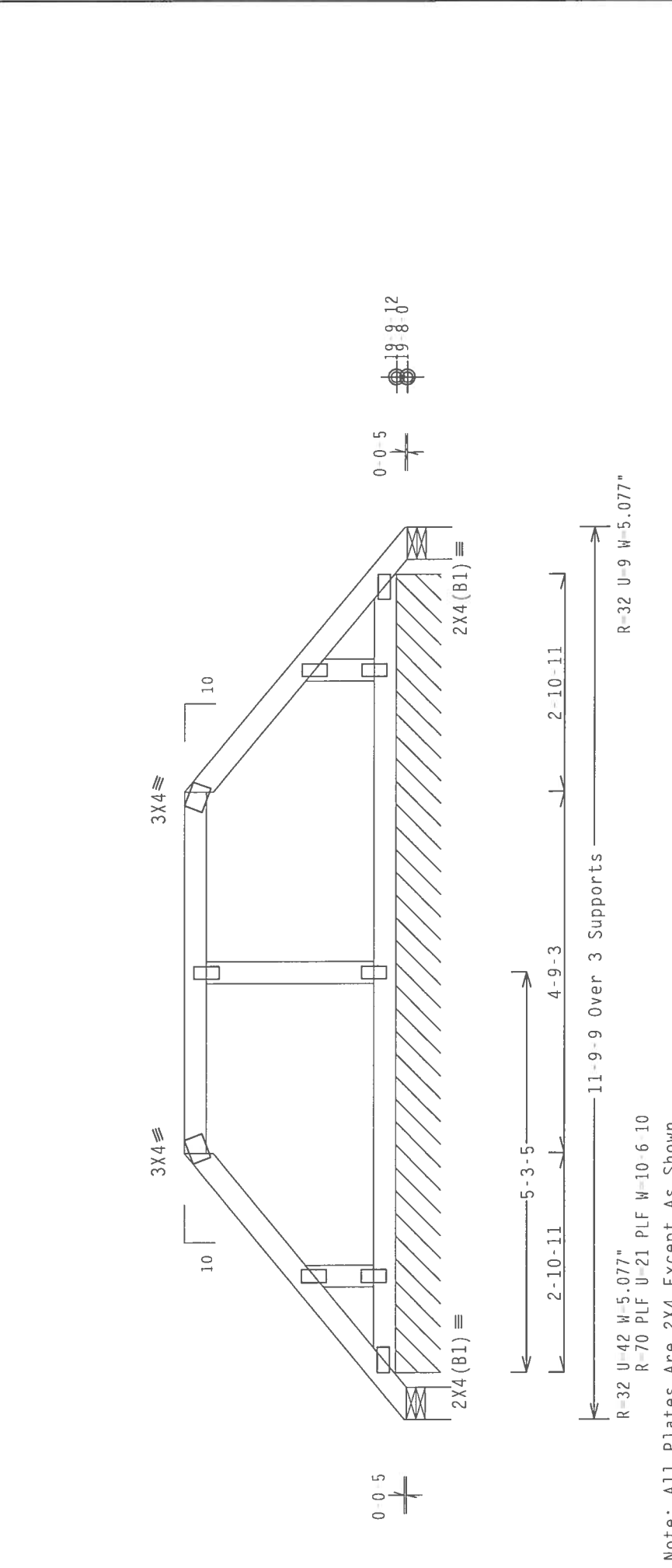
WARNING** TRUSSES BEING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO PERMISS (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 6300 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22314) AND NCCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE 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. TPI BEG, 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 AIA/AS) AND TPI. 1TH BEG CONNECTOR PLATES ARE MADE OF 2019/10GA (0.0155"/K) ASTM A653 GRADE 40/60 (K, K74-SS) GALV. STEEL. APPLY PLATE TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCKED ON THIS DESIGN, POSITION PER DRAWING 100A-Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENTS DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

SPECIAL LOADS
 (LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 66 PLF at -0.62 to 66 PLF at 2.89
 TC - From 66 PLF at 2.89 to 66 PLF at 7.66
 TC - From 66 PLF at 7.66 to 66 PLF at 11.17
 BC - From 4 PLF at -0.62 to 4 PLF at 11.17

In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
 Deflection meets L/240 live and L/180 total load.

The overall height of this truss excluding overhang is 2-11-8.
 REFER TO DRAWING PIGBACK0204 FOR PIGGYBACK DETAILS.
 TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.



Note: All Plates Are 2x4 Except As Shown.
 Design Crit: TPI-2002 (STD)/FBC
 Cg/RT=1.00(1.25)/0(0) 7.38.0810.02 QTY:1 FL/-/5/-/-/R/- Scale = .5" /Ft.

PLT TYP. Wave

R-32 U-42 W-5.077"
 R-70 PLF U-21 PLF W-10.610

Warning: TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 218 WEST 10TH STREET, ALBUQUERQUE, NM 87102. ALL TRUSS COMPONENTS MUST BE MANUFACTURED TO TPI SPECIFICATIONS. UNLESS OTHERWISE INDICATED, ALL TRUSS COMPONENTS SHALL BE MANUFACTURED TO TPI SPECIFICATIONS. UNLESS OTHERWISE INDICATED, ALL TRUSS COMPONENTS SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT: FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE 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 OR BRACING OF TRUSSES.

DESIGN CORFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC. BY AIA/AIA) AND TPI. THE BCG CORRELATOR PLATES ARE MADE OF 20/18/16GA (4.7/5.5/4.5) ASTM A653 GRADE 40/60 (N, 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 TPI 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE LIABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1-SEC. 2.

ALPINE

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

JAMES E. COLLINS
 PROFESSIONAL ENGINEER
 FLORIDA
 No. 62812
 STATE OF FLORIDA

REF R215-- 96226
 DATE 09/17/07
 DRW HCUSR215 07260093
 HC-ENG EC/WHK
 SEQN- 198188
 FROM CDM
 JREF- 1TAU215_Z02

Top chord 2x4 Sp #2 N
 Bot chord 2x4 Sp #2 N
 Webs 2x4 Sp #2 N

110 mph wind, 19.64 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. $I_w=1.00$ $G_{Cpi}(+/-)=0.18$

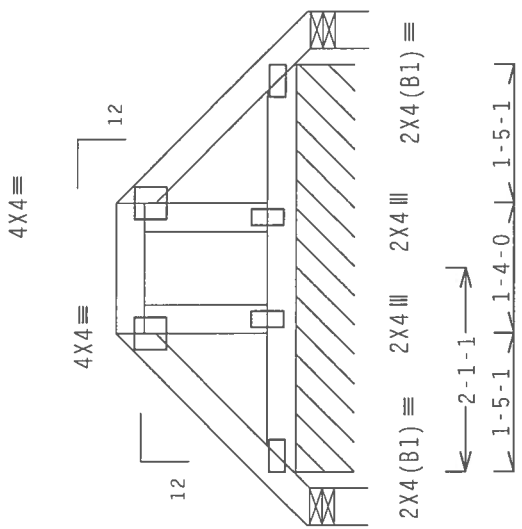
Wind reactions based on MWFRS pressures.
 The overall height of this truss excluding overhang is 20.0.

REFER TO DRAWING PIGBACKB0204 FOR PIGGYBACK DETAILS.
 TOP CHORD OF SUPPORTING TRUSS UNDER PIGGYBACK TO BE BRACED @ 24" O.C.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
 TC - From 68 PLF at -0.55 to 68 PLF at 1.42
 TC - From 68 PLF at 1.42 to 68 PLF at 2.75
 TC - From 68 PLF at 2.75 to 68 PLF at 4.72
 BC - From 4 PLF at -0.55 to 4 PLF at 4.72

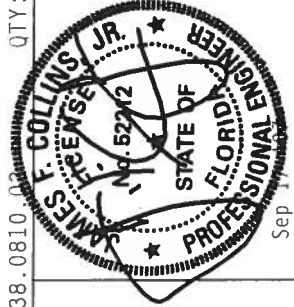
In lieu of rigid ceiling use purlins to brace BC @ 24" OC.
 Deflection meets L/240 live and L/180 total load.



R-10 U=39 W=4.596"
 R-80 PLF U=21 PLF W=4-2-2
 R=10 U=2 W=4.596"

Design Crit: TPI-2002(STD)/FBC
 $C_q/RT=1.00(1.25)/0(0)$ 7.38.0810.0

QTY:1	FL/-/5/-/-/R/-	Scale = .5" / Ft.
TC LL	20.0 PSF	REF R215 -- 96227
TC DL	10.0 PSF	DATE 09/17/07
BC DL	10.0 PSF	DRW HCURS215 07260094
BC LL	0.0 PSF	HC-ENG EC/WHK
TOT.LD.	40.0 PSF	SEQN- 197942
DUR.FAC.	1.25	FROM CDM
SPACING	24.0"	JREF - 1TAU215_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DETAIL (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 218 W. 10TH ST., ALBUQUERQUE, NM 87102-1000, 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. THE 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 CONNECTIONS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. IF BCG CONNECTION PLATES ARE MADE OF 2018/166A (0.775/5) ASTM A653 GRADE 40/60 (4, 8/11.55) GALV. STEEL, APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMER AS OF TPI-2002, SEC. 3. A SEAL ON THIS DESIGN SHALL BE THE EVIDENCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGN SHALL BE THE EVIDENCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE SEAL OF THE BUILDING DESIGNER PER AMER/TPI 1 SEC. 2.

ALPINE

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

Sep 17

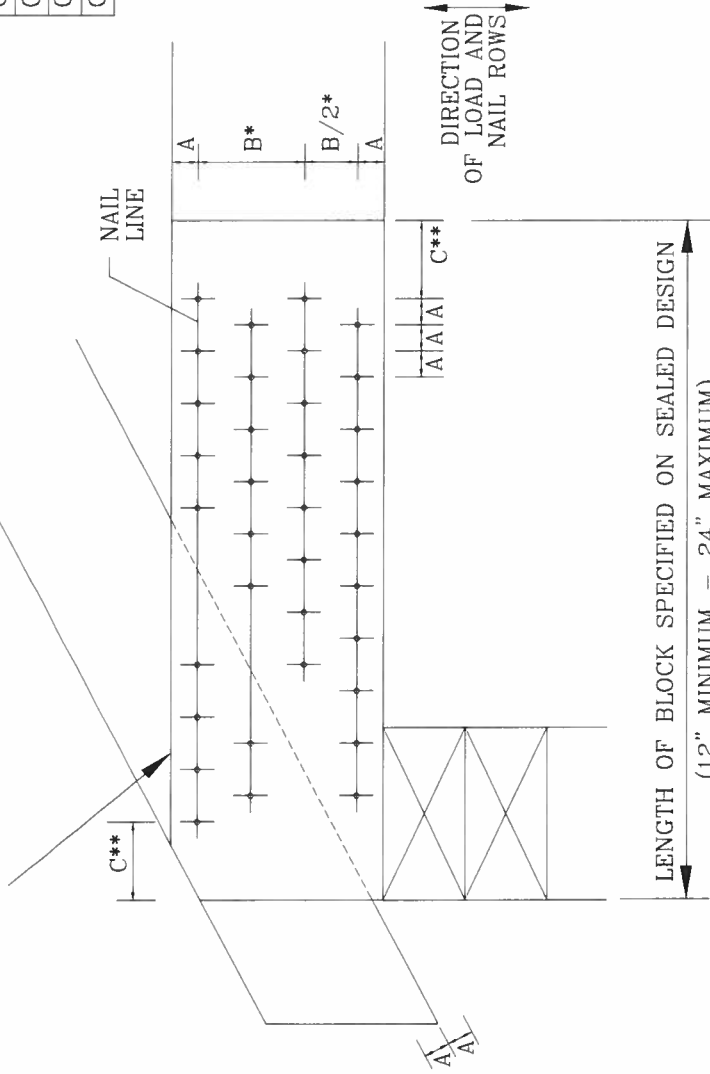
BEARING BLOCK NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

- A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS OF NAILS (6 NAIL DIAMETERS)
- B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)
- C - END DISTANCE (15 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW.
 * SPACING MAY BE REDUCED BY 50%
 ** SPACING MAY BE REDUCED BY 33%

BEARING BLOCK TO BE SAME SIZE AND SPECIES AS BOTTOM CHORD. BLOCKS MAY BE ANY GRADE WITHIN THE SPECIES, PROVIDED THE COMPRESSION PERPENDICULAR TO GRAIN VALUE (Fe-perp) IS AT LEAST THAT OF THE CHORD.



MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

NAIL TYPE	CHORD SIZE			
	2X4	2X6	2X8	2X10 2X12
8d BOX (0.113"X 2.5",MIN)	3	6	9	12 15
10d BOX (0.128"X 3",MIN)	3	5	7	10 12
12d BOX (0.128"X 3.25",MIN)	3	5	7	10 12
16d BOX (0.135"X 3.5",MIN)	3	5	7	10 12
20d BOX (0.148"X 4",MIN)	2	4	5	6 8
8d COMMON (0.131"X 2.5",MIN)	3	5	7	10 12
10d COMMON (0.148"X 3",MIN)	2	4	6	8 10
12d COMMON (0.148"X 3.25",MIN)	2	4	6	8 10
16d COMMON (0.162"X 3.5",MIN)	2	4	6	8 10
GUN (0.120"X 2.5",MIN)	3	6	8	11 14
GUN (0.131"X 2.5",MIN)	3	5	7	10 12
GUN (0.120"X 3",MIN)	3	6	8	11 14
GUN (0.131"X 3",MIN)	3	5	7	10 12

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"X 2.5",MIN)	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"X 3",MIN)	7/8"	1 5/8"	2"
12d BOX (0.128"X 3.25",MIN)	7/8"	1 5/8"	2"
16d BOX (0.135"X 3.5",MIN)	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"X 4",MIN)	1"	1 7/8"	2 1/4"
8d COMMON (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
10d COMMON (0.148"X 3",MIN)	1"	1 7/8"	2 1/4"
12d COMMON (0.148"X 3.25",MIN)	1"	1 7/8"	2 1/4"
16d COMMON (0.162"X 3.5",MIN)	1"	2"	2 1/2"
GUN (0.120"X 2.5",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 2.5",MIN)	7/8"	1 5/8"	2"
GUN (0.120"X 3",MIN)	3/4"	1 1/2"	1 7/8"
GUN (0.131"X 3",MIN)	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA

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

IMPORTANT FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS PER DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND THE AIA/IBCG (WOOD STRUCTURAL DESIGN MANUAL SERIES) AND THE AIA/IBCG (WOOD STRUCTURAL DESIGN MANUAL SERIES) AND THE AIA/IBCG (WOOD STRUCTURAL DESIGN MANUAL SERIES). THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN, POSITION PER DRAWINGS 160A-Z. ANY INSPECTION OF PLATES FOLLOWED BY CD SHALL BE PER ANNEK A3 OF TPI 1-2002 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 ANSII/TPI 1 SEC. 2.

REF BEARING BLOCK

DATE 2/23/07

DRWG CNBRGBLK0207

-ENG SJP/KAR

JAMES R. COLLINS, JR.
No. 52212
'07
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ASCE 7-02: 110 MPH WIND SPEED, 15' MEAN HEIGHT, ENCLOSED, I = 1.00, EXPOSURE C

MAX GABLE VERTICAL LENGTH	2X4 GABLE VERTICAL SPACING		BRACE		(1) 1X4 "L" BRACE		(2) 2X4 "L" BRACE		(1) 2X6 "L" BRACE		(2) 2X6 "L" BRACE	
	SPACING	SPECIES	GRADE	NO BRACES	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B	GROUP A	GROUP B
12" O.C.	SPF	#1 / #2	STANDARD	3' 10"	6' 10"	7' 11"	8' 1"	9' 5"	9' 8"	12' 5"	12' 9"	14' 0"
				3' 9"	6' 0"	7' 11"	7' 11"	9' 5"	9' 5"	12' 4"	12' 4"	14' 0"
	HF	STANDARD	4' 3"	5' 2"	6' 9"	6' 9"	9' 1"	9' 1"	10' 7"	10' 7"	14' 0"	14' 0"
			4' 2"	6' 8"	7' 2"	8' 6"	9' 5"	10' 2"	12' 5"	13' 5"	14' 0"	14' 0"
24" O.C.	SPF	#1 / #2	STANDARD	4' 0"	6' 2"	7' 11"	8' 1"	9' 5"	9' 11"	12' 5"	12' 8"	14' 0"
				3' 10"	5' 3"	6' 11"	6' 11"	9' 4"	9' 4"	10' 10"	10' 10"	14' 0"
	HF	STANDARD	4' 4"	7' 4"	9' 1"	9' 1"	10' 10"	10' 10"	10' 10"	14' 0"	14' 0"	14' 0"
			4' 4"	6' 4"	8' 4"	8' 4"	10' 10"	10' 10"	12' 11"	12' 11"	14' 0"	14' 0"
16" O.C.	SPF	#1 / #2	STANDARD	4' 10"	7' 8"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"	14' 0"
				4' 9"	7' 8"	8' 3"	9' 1"	9' 9"	10' 10"	11' 8"	14' 0"	14' 0"
	HF	STANDARD	4' 6"	7' 7"	9' 1"	9' 1"	10' 10"	11' 4"	14' 0"	14' 0"	14' 0"	
			4' 5"	6' 5"	8' 6"	8' 6"	10' 10"	11' 1"	13' 3"	13' 3"	14' 0"	
12" O.C.	SPF	#1 / #2	STANDARD	4' 9"	8' 5"	10' 0"	10' 3"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"
				4' 9"	8' 5"	10' 0"	10' 0"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	4' 9"	7' 3"	9' 7"	9' 7"	11' 11"	11' 11"	14' 0"	14' 0"	14' 0"	
			5' 4"	8' 5"	10' 0"	10' 9"	11' 11"	12' 10"	14' 0"	14' 0"	14' 0"	
12" O.C.	SPF	#1 / #2	STANDARD	5' 0"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"
				5' 0"	8' 5"	10' 0"	10' 6"	11' 11"	12' 6"	14' 0"	14' 0"	14' 0"
	HF	STANDARD	4' 11"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	
			4' 11"	7' 5"	9' 10"	9' 10"	11' 11"	12' 3"	14' 0"	14' 0"	14' 0"	

BRACING GROUP SPECIES AND GRADES:

GROUP A:		HEM-FIR	
SPRUCE-PINE-FIR	#1 / #2	STANDARD	STUD
DOUGLAS FIR-LARCH	#3	STANDARD	STUD
GROUP B:		SOUTHERN PINE	
HEM-FIR	#1 & BTR	STANDARD	STUD
DOUGLAS FIR-LARCH	#1	STANDARD	STUD
	#2	STANDARD	STUD

GABLE TRUSS DETAIL NOTES:

LIVE LOAD DEFLECTION CRITERIA IS L/240.

PROVIDE UPLIFT CONNECTIONS FOR 80 PLF OVER CONTINUOUS BEARING (5 PSF TC DEAD LOAD).

GABLE END SUPPORTS LOAD FROM 4' 0" OUTLOOKERS WITH 2' 0" OVERHANG, OR 12" PLYWOOD OVERHANG.

ATTACH EACH "L" BRACE WITH 10d NAILS.

** FOR (1) "L" BRACE: SPACE NAILS AT 2' O.C. IN 18" END ZONES AND 4' O.C. BETWEEN ZONES.

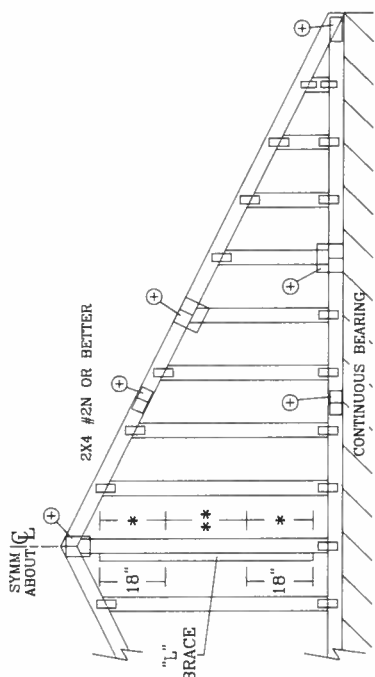
** FOR (2) "L" BRACES: SPACE NAILS AT 3' O.C. IN 18" END ZONES AND 6" O.C. BETWEEN ZONES.

"L" BRACING MUST BE A MINIMUM OF 80% OF WEB MEMBER LENGTH.

GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH	NO SPLICE
LESS THAN 4' 0"	1X4 OR 2X3
GREATER THAN 4' 0", BUT LESS THAN 11' 6"	2X4
GREATER THAN 11' 6"	2.5X4

+ REFER TO COMMON TRUSS DESIGN FOR PEAK, SPLICE, AND HEEL PLATES.



REFER TO CHART ABOVE FOR MAX GABLE VERTICAL LENGTH.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS COMPANY, INC., 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA 22304, AND WCA WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, 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.

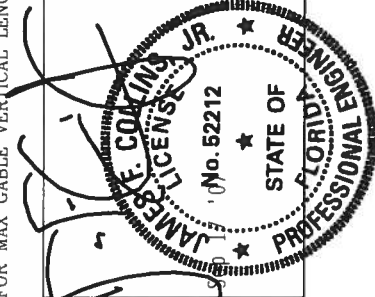
IMPORTANT: FURNISH COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITV BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI OR APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. FOR WOOD) AND TPI. ITV, BCG CONNECTION PLATES ARE MADE OF 2018/166A (W/H/SS/K) ASTM A563 GRADE 40/60 (W/K/H/SS). GALV. STEEL APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DRAWING, ALL TRUSS MEMBERS SHALL BE 160% OVER THE DESIGN LOADS. UNLESS OTHERWISE INDICATED, PER ANNEK A3 OF TPI 1-2008 SEC. 1.1.1, THE DESIGNER ACCEPTS RESPONSIBILITY FOR THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER, PER ANSII/TPI 1 SEC. 2.

REF	ASCE7-02-CAB11015
DATE	2/23/07
DRWG	AI1015EE0207
	-ENG

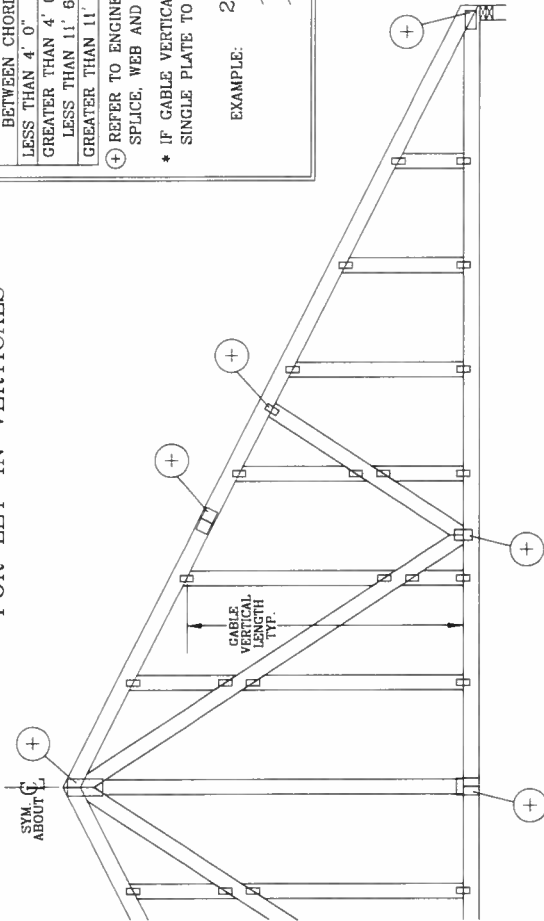
MAX. TOT. LD.	60 PSF
MAX. SPACING	24.0"

ALPINE

ITW BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA



GABLE DETAIL FOR LET-IN VERTICALS



GABLE VERTICAL PLATE SIZES

VERTICAL LENGTH BETWEEN CHORDS	PLATE SIZE	IF PLATES OVERLAP*
LESS THAN 4' 0"	1X4 OR 2X3	2X8
GREATER THAN 4' 0" BUT LESS THAN 11' 6"	2X4	2X8
GREATER THAN 11' 6"	2.5X4	2.5X8

⊕ REFER TO ENGINEERED TRUSS DESIGN FOR PEAK, SPLICE, WEB AND HEEL PLATES.

* IF GABLE VERTICAL PLATES OVERLAP, USE A SINGLE PLATE TO SPAN THE WEB.

EXAMPLE:

PROVIDE CONNECTIONS FOR UPLIFT SPECIFIED ON THE ENGINEERED TRUSS DESIGN.

ATTACH EACH "T" REINFORCING MEMBER WITH HAND DRIVEN NAILS:

- 10d COMMON (0.148" X 3.3" MIN) TOENAILS AT 4" O.C. PLUS
- (4) 16d COMMON (0.162" X 3.5" MIN) TOENAILS IN TOP AND BOTTOM CHORD.

GUN DRIVEN NAILS:

- 8d COMMON (0.131" X 2.5" MIN) TOENAILS AT 4" O.C. PLUS
- (4) TOENAILS IN TOP AND BOTTOM CHORD.

THIS DETAIL TO BE USED WITH THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

ASCE 7-93 GABLE DETAIL DRAWINGS

- A11015EN0207, A10015EN0207, A09015EN0207, A08015EN0207, A07015EN0207, A11030EN0207, A10030EN0207, A09030EN0207, A08030EN0207, A07030EN0207

ASCE 7-98 GABLE DETAIL DRAWINGS

- A13015EC0207, A12015EC0207, A11015EC0207, A10015EC0207, A08515EC0207, A13030EC0207, A12030EC0207, A11030EC0207, A10030EC0207, A08530EC0207

ASCE 7-02 GABLE DETAIL DRAWINGS

- A13015E0207, A12015E0207, A11015E0207, A10015E0207, A08515E0207, A13030E0207, A12030E0207, A11030E0207, A10030E0207, A08530E0207

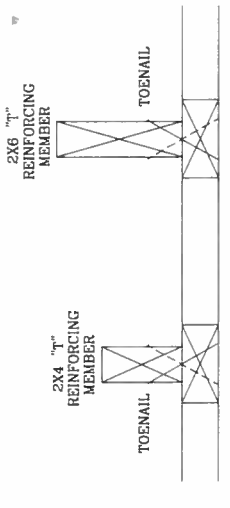
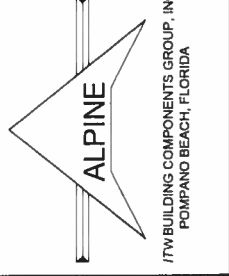
ASCE 7-05 GABLE DETAIL DRAWINGS

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SEE APPROPRIATE ALPINE GABLE DETAIL (ASCE OR SBCCI WIND LOAD) FOR MAXIMUM UNREINFORCED GABLE VERTICAL LENGTH.

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSI (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLAN INSTITUTE, 218 NORTH LEE STR., SUITE 312, ALEXANDRIA, VA, 22314) AND WICA (WOOD TRUSS CONSTRUCTION OF AMERICA, 6300 ENTERPRISE LN, 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 COPY OF THIS DESIGN TO INSTALLATION CONTRACTOR. ITW BCG, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN, ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ITW, BCG CONNECTOR PLATES ARE MADE OF 20/48/16GA (W/H/Y/S/AO) ASTM A653 GRADE 49/60 (W/K/H/SS) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS PERMANENTLY APPLIED TOENAILS. ANY DEVIATION FROM THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE ENGINEER. 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 ANSII/TPI 1 SEC. 2.



TO CONVERT FROM "L" TO "T" REINFORCING MEMBERS, MULTIPLY "T" FACTOR BY LENGTH (BASED ON GABLE VERTICAL SPECIES, GRADE AND SPACING) FOR (1) 2X4 "L" BRACE, GROUP A, OBTAINED FROM THE APPROPRIATE ALPINE GABLE DETAIL FOR ASCE OR SBCCI WIND LOAD.

MAXIMUM ALLOWABLE "T" REINFORCED GABLE VERTICAL LENGTH IS 14' FROM TOP TO BOTTOM CHORD.

WEB LENGTH INCREASE W/ "T" BRACE

WIND SPEED AND MRH	"T" REINF. MBR. SIZE	SBCCI	ASCE
110 MPH	2x4	10 %	10 %
15 FT	2x6	40 %	50 %
110 MPH	2x4	10 %	10 %
30 FT	2x6	50 %	50 %
100 MPH	2x4	10 %	10 %
15 FT	2x6	30 %	50 %
100 MPH	2x4	10 %	10 %
30 FT	2x6	40 %	40 %
90 MPH	2x4	20 %	10 %
15 FT	2x6	20 %	40 %
90 MPH	2x4	10 %	10 %
30 FT	2x6	30 %	50 %
80 MPH	2x4	10 %	20 %
15 FT	2x6	10 %	30 %
80 MPH	2x4	20 %	10 %
30 FT	2x6	20 %	40 %
70 MPH	2x4	0 %	20 %
15 FT	2x6	0 %	20 %
70 MPH	2x4	10 %	20 %
30 FT	2x6	10 %	30 %

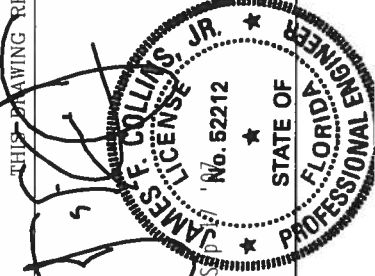
EXAMPLE:

- ASCE WIND SPEED = 100 MPH
- MEAN ROOF HEIGHT = 30 FT
- GABLE VERTICAL = 24" O.C. SP #3
- "T" REINFORCING MEMBER SIZE = 2X4
- "L" BRACE INCREASE (FROM ABOVE) = 10% = 1.10
- (1) 2X4 "L" BRACE LENGTH = 6' 7"
- MAXIMUM "T" REINFORCED GABLE VERTICAL LENGTH 1.10 x 6' 7" = 7' 3"

THIS DRAWING REPLACES DRAWINGS GAB98117 876,719 & HC26294035

REF	LET-IN VERT
DATE	2/23/07
DRWG	GBLLETIN0207
	-ENG DLJ/KAR

MAX TOT. LD.	60 PSF
DUR. FAC.	ANY
MAX SPACING	24.0"



CLB WEB BRACE SUBSTITUTION

THIS DETAIL IS TO BE USED WHEN CONTINUOUS LATERAL BRACING (CLB) IS SPECIFIED ON AN ALPINE TRUSS DESIGN BUT AN ALTERNATIVE WEB BRACING METHOD IS DESIRED.

NOTES:

THIS DETAIL IS ONLY APPLICABLE FOR CHANGING THE SPECIFIED CLB SHOWN ON SINGLE PLY SEALED DESIGNS TO T-BRACING OR SCAB BRACING.

ALTERNATIVE BRACING SPECIFIED IN CHART BELOW MAY BE CONSERVATIVE. FOR MINIMUM ALTERNATIVE BRACING, RE-RUN DESIGN WITH APPROPRIATE BRACING.

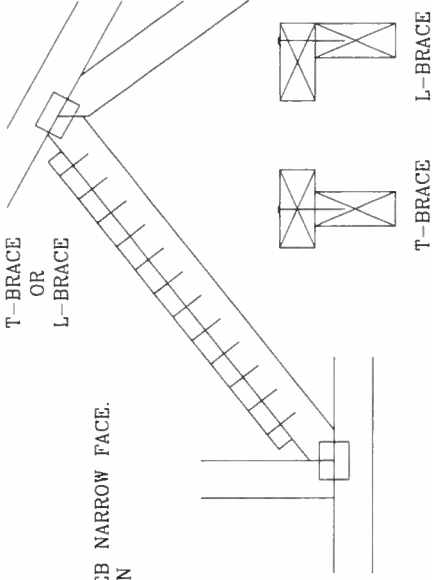
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING	SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4	2-2X4
2X6	1 ROW	2X4	1-2X6	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)	2-2X4(*)
2X8	1 ROW	2X6	1-2X8	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)	2-2X6(*)

T-BRACE, L-BRACE AND SCAB BRACE TO BE SAME SPECIES AND GRADE OR BETTER THAN WEB MEMBER UNLESS SPECIFIED OTHERWISE ON ENGINEER'S SEALED DESIGN.

(*) CENTER SCAB ON WIDE FACE OF WEB. APPLY (1) SCAB TO EACH FACE OF WEB.

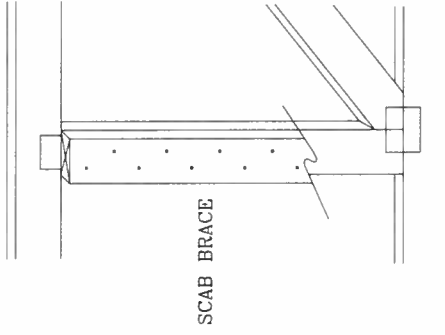
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB NARROW FACE. ATTACH WITH 10d BOX OR GUN (0.128" x 3." MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH



SCAB BRACING:

APPLY SCAB(S) TO WIDE FACE OF WEB. NO MORE THAN (1) SCAB PER FACE. ATTACH WITH 10d BOX OR GUN (0.128" x 3." MIN) NAILS. AT 6" O.C. BRACE IS A MINIMUM 80% OF WEB MEMBER LENGTH

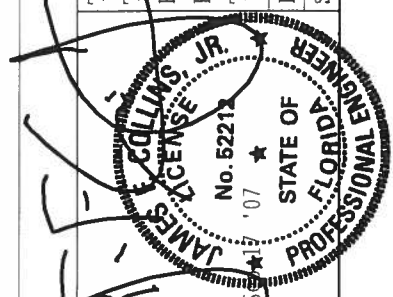


THIS DRAWING REPLACES DRAWING 579.640

TC	LL	PSF	REF	CLB	SUBST.
TC	DL	PSF	DATE	2/23/07	
BC	DL	PSF	DRWG	BRLCLSUB0207	
BC	LL	PSF	-ENG	MLH/KAR	
TOT. LD.					
DUR. FAC.					
SPACING					

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ITV BUILDING COMPONENTS GROUP, INC.
POMPANO BEACH, FLORIDA