

Alpine Engineered Products, 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:1T0Y215-Z0327062900

Truss Fabricator: W.B. Howland
Job Identification: 3865-/FOTI HANGER /CONTRACTOR -- , **
Truss Count: 28
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.25, 7.26.
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

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

Details: BRCLBSUB-CNBRGBLK-



Seal Date: 09/27/2006

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

#	Ref	Description	Drawing#	Date
1	93485--	AG-1	06269024	09/26/06
2	93486--	H9A	06269025	09/26/06
3	93487--	H11A	06269026	09/26/06
4	93488--	H12A	06269009	09/26/06
5	93489--	H13A	06269010	09/26/06
6	93490--	H14A	06269011	09/26/06
7	93491--	H15A	06269012	09/26/06
8	93492--	H16A	06269013	09/26/06
9	93493--	H17A	06269014	09/26/06
10	93494--	H18A	06269015	09/26/06
11	93495--	H19A	06269016	09/26/06
12	93496--	H20A	06269017	09/26/06
13	93497--	H21A	06269018	09/26/06
14	93498--	HG7A	06269027	09/26/06
15	93499--	HG10A	06269028	09/26/06
16	93500--	JC1	06269029	09/26/06
17	93501--	JC3	06269030	09/26/06
18	93502--	JC4	06269031	09/26/06
19	93503--	JC5	06269019	09/26/06
20	93504--	JC6	06269032	09/26/06
21	93505--	JC8	06269033	09/26/06
22	93506--	JC3A	06269020	09/26/06
23	93507--	JC5A	06269021	09/26/06
24	93508--	JE7	06269022	09/26/06
25	93509--	JE7A	06269023	09/26/06
26	93510--	JH9	06269034	09/26/06
27	93511--	JH9A	06269035	09/26/06
28	93512--	JH10	06269036	09/26/06



Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844
Florida Engineering Certificate of Authorization Number: 567
Page 1 of 1 Document ID: 1T0Y215-Z0327062900

Truss Fabricator: W.B. Howland
Job Identification: 3865-/FOTI HANGER /CONTRACTOR -- , **
Truss Count: 5
Model Code: Florida Building Code 2004
Truss Criteria: ANSI/TPI-2002(STD)/FBC
Engineering Software: Alpine Software, Versions 7.25, 7.26.
Structural Engineer of Record:
Address:
Minimum Design Loads: Roof - 40.0 PSF @ 1.25 Duration
Floor - N/A
Wind - 110 MPH ASCE 7-02 -Closed

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

Seal Date: 09/27/2006

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

Revised Trusses

#	Ref	Description	Drawing#	Date
1	93485--AG-1		06269024	09/26/06
2	93500--JC1		06269029	09/26/06
3	93501--JC3		06269030	09/26/06
4	93502--JC4		06269031	09/26/06
5	93504--JC6		06269032	09/26/06



3 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun nails)

Top Chord: 1 Row @ 6.00" o.c.

Bot Chord: 1 Row @12.00" 0.c.c.

Webs : 1 Row @ 4" 0.c.

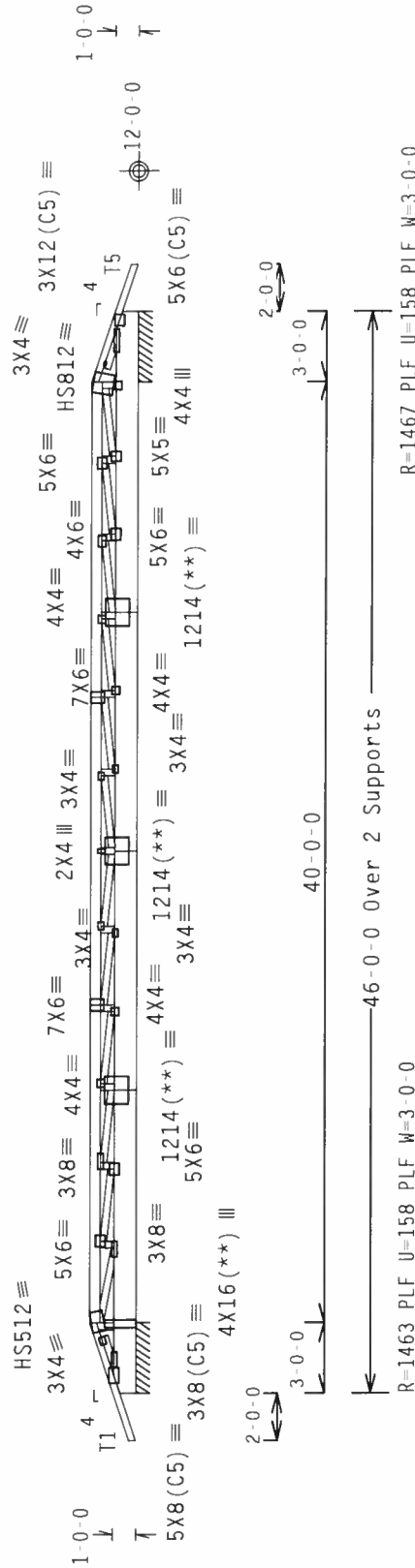
Repeat nailing as each layer is applied. Use equal spacing between rows and stagger nails in each row to avoid splitting.

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

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

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



R=1467 P1F U=158 P1F W=3-0-0

R=1463 PLF U=158 PLF W=3-0-0

Design Crit: TPI-2002(STD)/FBC

PLT TYP. 20 Gauge HS.Wave

 $Cq/RT=1.00(1.25)/10(0)$

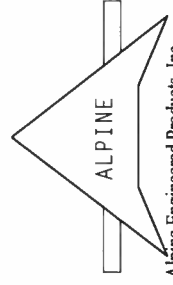
503.

QTY:1 FI/-/5/-/-/R/-/-

Scale = 125"/Ft.

WARNING RUSSIES OUTLINE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO CESSI'S OUTLINES OUTLIVING COMPONENTS, DURA AND COLD CHILL (RUSS FLEET INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, WI 53719) FOR FURTHER INFORMATION. RUSSIES UNLESS OTHERWISE INDICATED, MADISON, WI 53719) FOR SCAFFOLDING PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD CEILING.

****IMPORTANT**** TURN IN A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. ALPINE ENGINEERING, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD TRUSSES IN CONFORMANCE WITH TP1 OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH TP1 OR PROVIDING PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AIA/A) AND ALPINE DESIGN CONDITIONS WITH APPLICABLE PROVISIONS OF MDS (NATIONAL DESIGN SPEC. BY AIA/A) AND ALPINE PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWING 160A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER APPENDIX A3 OF TP11-2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT OF THIS DESIGN. THE USE OF THIS CONSENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER APPENDIX 11-1 SEC.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

Haines City, FL 33844
FL Certificate of Authorization # 567



SEP 27 1966

TC LL	20.0	PSF	REF	R215--	93485
TC DL	10.0	PSF	DATE	09/26/06	
BC DL	10.0	PSF	DRW	HCUSR215	06269024
BC LL	0.0	PSF	HC-ENG	WHK/WHK	
TOT.LD.	40.0	PSF	SEQN-	48682	REV
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1T0Y215 Z03	

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

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

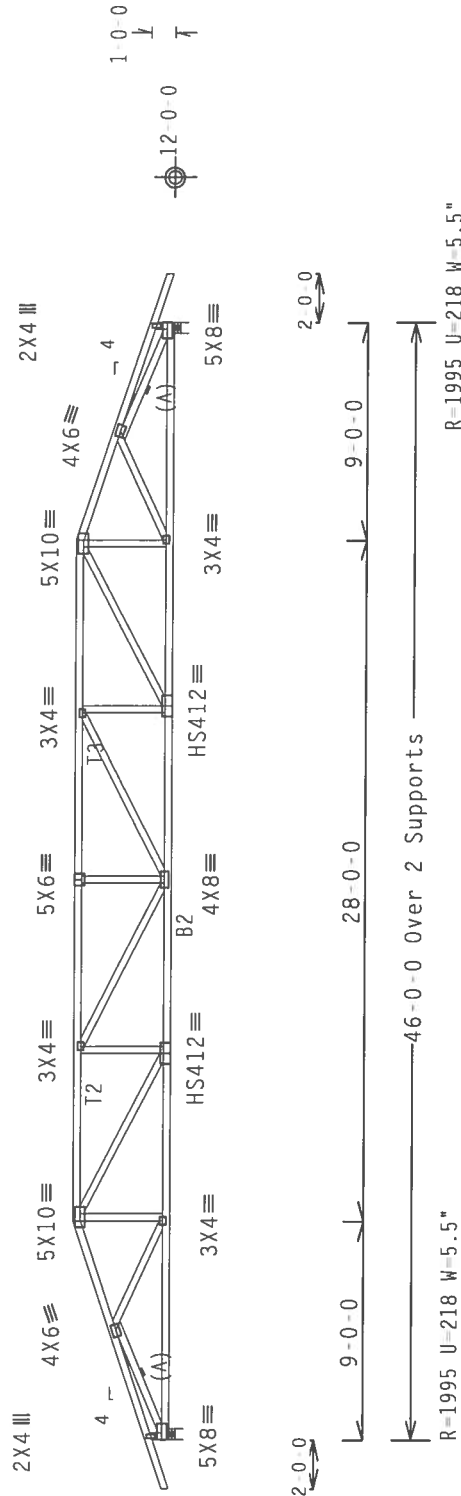
Calculated vertical deflection is 0.57" due to live load and 0.57" due to dead load at $X = 23.0-0$.

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

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

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



PLT TYP. 20 Gauge HS.Wave

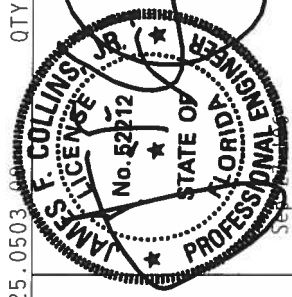
Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.25.0503$

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

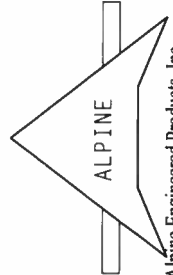
Scale = 125"/Ft.

TC LL	20.0	PSF	REF	R215--	93486
TC DL	10.0	PSF	DATE	09/26/06	
BC DL	10.0	PSF	DRW	HCUSR215	06269025
BC LL	0.0	PSF	HC-ENG	JK/AP	
TOT.LD.	40.0	PSF	SEQN-	48709	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1T0Y215	Z03



*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BGS 1-1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 583 MIDLAND DRIVE, ZION, ILLINOIS 60089, (800) 368-5838, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 500 NORTH DEARBORN, PITTSBURGH, PENNSYLVANIA 15222, FOR ADDITIONAL INFORMATION. THE TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

*******IMPORTANT******* FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATIONS FROM THE DESIGN. IT IS THE RESPONSIBILITY OF THE USER OF THIS DESIGN TO BUILD THE TRUSS IN CONFORMANCE WITH ALL CODES OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC., BY ASEP) AND TPI ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA. M/H/35/40 ASTM A563 GRADE 40/60 (4, 8/16-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, OTHERWISE LOCATED ON THE DESIGN, POSITION PER DRAWINGS 160A-2. IF ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX 43 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE DESIGNING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # S67

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; 15.00 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.

Wind reactions based on MwFRS pressures.

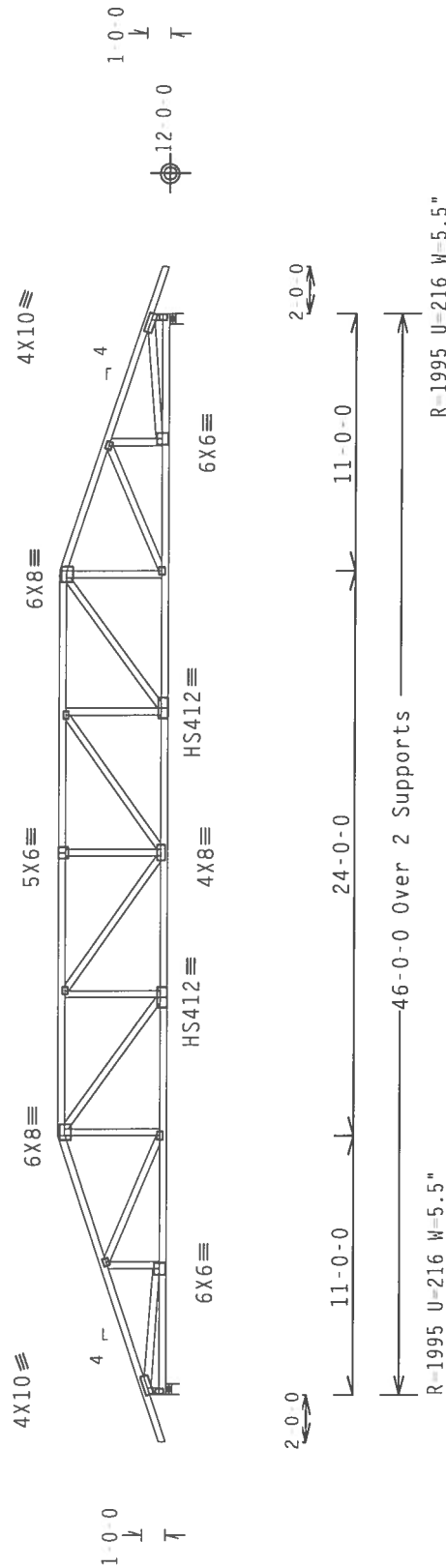
Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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

Calculated vertical deflection is 0.52" due to live load and 0.52" due to dead load at $X = 23'-0"$.

The overall height of this truss excluding overhang is 480.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

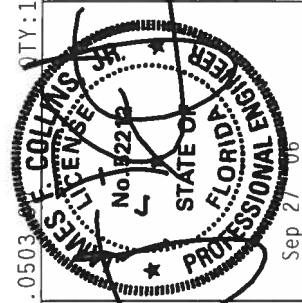
PLT TYP. 20 Gauge HS.Wave

$$C\alpha/RT=1.00(1.25)/10(0) \quad 7.25.0503$$

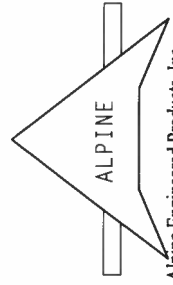
QTY: 1 EL 1-151-1-1R1-

Scale = 125"/ft

TC LL	20.0	PSF	REF	R215--	93487
TC DL	10.0	PSF	DATE	09/26/06	
BC DL	10.0	PSF	DRW	HCUSR215	06269026
BC LL	0.0	PSF	HC-ENG	JK/WHK	
TOT.LD.	40.0	PSF	SEQN-	48707	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	1T0V215	Z03



Sep 27 '06



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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

(A) Continuous lateral bracing equally spaced on member.

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

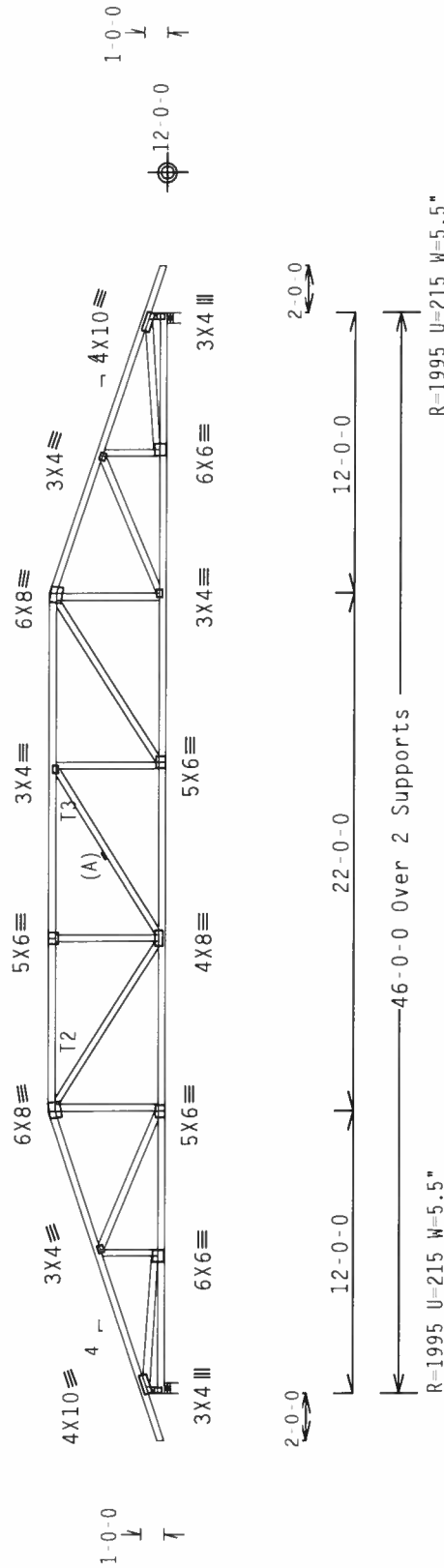
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

	Top chord	2x4	SP	#2	N	:T2,	T3	2x4	SP	SS:
	Bot chord	2x4	SP	#2	N					
	webs	2x4	SP	#2	N					

Wind reactions based on MwFRS pressures.

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

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



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
C_g/RT=1.00(1.25)
$$Cq/RT = 1.00(1.25)/10(0)$$

Scale = .125"/Ft.



ALPINE Engineered Products, Inc.
 1950 Marley Drive
 Gaines City, FL 32644
 FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BGS1 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE, 583 D ORRIS DR., SUITE 200, MAISON, WI 53119) AND WICK (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, FOND DU LAC, WI 53119) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THIS DRAWING 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH IPTI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES: TRUSSES IN CONFORMANCE WITH IPTI. PROVIDERS OF THIS (NATIONAL DESIGN SPEC. BY ATAPA) AND IPTI. ALPINE CORRELATOR PLATES ARE MADE OF 2018 T3 ALUMINUM (6061, 6063, 6068, 6082, 6083, 6084, 6085, 6086, 6087, 6088, 6089, 6090, 6091, 6092, 6093, 6094, 6095, 6096, 6097, 6098, 6099, 6100, 6101, 6102, 6103, 6104, 6105, 6106, 6107, 6108, 6109, 6110, 6111, 6112, 6113, 6114, 6115, 6116, 6117, 6118, 6119, 6120, 6121, 6122, 6123, 6124, 6125, 6126, 6127, 6128, 6129, 6130, 6131, 6132, 6133, 6134, 6135, 6136, 6137, 6138, 6139, 6140, 6141, 6142, 6143, 6144, 6145, 6146, 6147, 6148, 6149, 6150, 6151, 6152, 6153, 6154, 6155, 6156, 6157, 6158, 6159, 6160, 6161, 6162, 6163, 6164, 6165, 6166, 6167, 6168, 6169, 6170, 6171, 6172, 6173, 6174, 6175, 6176, 6177, 6178, 6179, 6180, 6181, 6182, 6183, 6184, 6185, 6186, 6187, 6188, 6189, 6190, 6191, 6192, 6193, 6194, 6195, 6196, 6197, 6198, 6199, 6200, 6201, 6202, 6203, 6204, 6205, 6206, 6207, 6208, 6209, 6210, 6211, 6212, 6213, 6214, 6215, 6216, 6217, 6218, 6219, 6220, 6221, 6222, 6223, 6224, 6225, 6226, 6227, 6228, 6229, 6230, 6231, 6232, 6233, 6234, 6235, 6236, 6237, 6238, 6239, 6240, 6241, 6242, 6243, 6244, 6245, 6246, 6247, 6248, 6249, 6250, 6251, 6252, 6253, 6254, 6255, 6256, 6257, 6258, 6259, 6260, 6261, 6262, 6263, 6264, 6265, 6266, 6267, 6268, 6269, 6270, 6271, 6272, 6273, 6274, 6275, 6276, 6277, 6278, 6279, 6280, 6281, 6282, 6283, 6284, 6285, 6286, 6287, 6288, 6289, 6290, 6291, 6292, 6293, 6294, 6295, 6296, 6297, 6298, 6299, 6300, 6301, 6302, 6303, 6304, 6305, 6306, 6307, 6308, 6309, 6310, 6311, 6312, 6313, 6314, 6315, 6316, 6317, 6318, 6319, 6320, 6321, 6322, 6323, 6324, 6325, 6326, 6327, 6328, 6329, 6330, 6331, 6332, 6333, 6334, 6335, 6336, 6337, 6338, 6339, 6340, 6341, 6342, 6343, 6344, 6345, 6346, 6347, 6348, 6349, 6350, 6351, 6352, 6353, 6354, 6355, 6356, 6357, 6358, 6359, 6360, 6361, 6362, 6363, 6364, 6365, 6366, 6367, 6368, 6369, 6370, 6371, 6372, 6373, 6374, 6375, 6376, 6377, 6378, 6379, 6380, 6381, 6382, 6383, 6384, 6385, 6386, 6387, 6388, 6389, 6390, 6391, 6392, 6393, 6394, 6395, 6396, 6397, 6398, 6399, 6400, 6401, 6402, 6403, 6404, 6405, 6406, 6407, 6408, 6409, 6410, 6411, 6412, 6413, 6414, 6415, 6416, 6417, 6418, 6419, 6420, 6421, 6422, 6423, 6424, 6425, 6426, 6427, 6428, 6429, 6430, 6431, 6432, 6433, 6434, 6435, 6436, 6437, 6438, 6439, 6440, 6441, 6442, 6443, 6444, 6445, 6446, 6447, 6448, 6449, 6450, 6451, 6452, 6453, 6454, 6455, 6456, 6457, 6458, 6459, 6460, 6461, 6462, 6463, 6464, 6465, 6466, 6467, 6468, 6469, 6470, 6471, 6472, 6473, 6474, 6475, 6476, 6477, 6478, 6479, 6480, 6481, 6482, 6483, 6484, 6485, 6486, 6487, 6488, 6489, 6490, 6491, 6492, 6493, 6494, 6495, 6496, 6497, 6498, 6499, 6500, 6501, 6502, 6503, 6504, 6505, 6506, 6507, 6508, 6509, 6510, 6511, 6512, 6513, 6514, 6515, 6516, 6517, 6518, 6519, 6520, 6521, 6522, 6523, 6524, 6525, 6526, 6527, 6528, 6529, 6530, 6531, 6532, 6533, 6534, 6535, 6536, 6537, 6538, 6539, 6540, 6541, 6542, 6543, 6544, 6545, 6546, 6547, 6548, 6549, 6550, 6551, 6552, 6553, 6554, 6555, 6556, 6557, 6558, 6559, 6560, 6561, 6562, 6563, 6564, 6565, 6566, 6567, 6568, 6569, 6570, 6571, 6572, 6573, 6574, 6575, 6576, 6577, 6578, 6579, 6580, 6581, 6582, 6583, 6584, 6585, 6586, 6587, 6588, 6589, 6590, 6591, 6592, 6593, 6594, 6595, 6596, 6597, 6598, 6599, 6600, 6601, 6602, 6603, 6604, 6605, 6606, 6607, 6608, 6609, 6610, 6611, 6612, 6613, 6614, 6615, 6616, 6617, 6618, 6619, 6620, 6621, 6622, 6623, 6624, 6625, 6626, 6627, 6628, 6629, 6630, 6631, 6632, 6633, 6634, 6635, 6636, 6637, 6638, 6639, 6640, 6641, 6642, 6643, 6644, 6645, 6646, 6647, 6648, 6649, 6650, 6651, 6652, 6653, 6654, 6655, 6656, 6657, 6658, 6659, 6660, 6661, 6662, 6663, 6664, 6665, 6666, 6667, 6668, 6669, 6670, 6671, 6672, 6673, 6674, 6675, 6676, 6677, 6678, 6679

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, 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

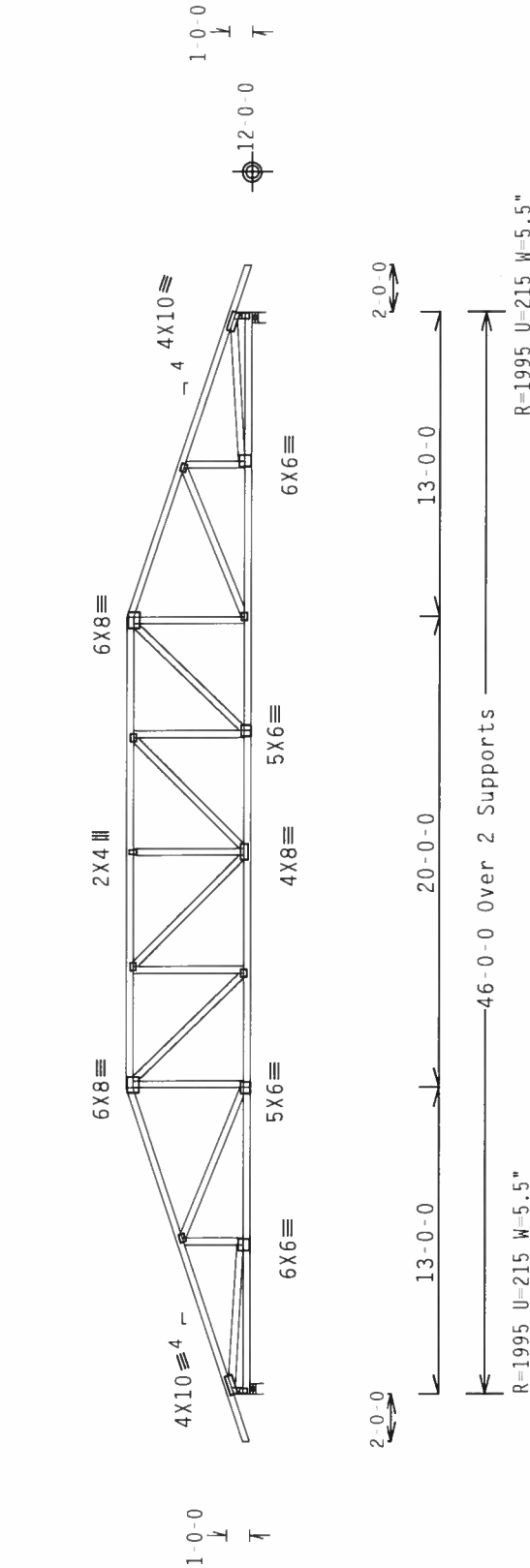
Wind reactions based on MWFRS pressures.

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

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

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Note: All Plates Are 3X4 Except As Shown.

Design Crit: TPI-2002(STD)/FBC

PLT TYP. Wave

QTY: 1
ELL-5/-/-R/-
Scale = .125" / Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BECS 1, 2 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 O'DONOHUE LN, SUITE 200, MADISON, WI 53719) AND MICA (4000 TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, SUITE 33719) FOR THE LATEST RECOMMENDATIONS ON PERMITTING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ACHIEVED STRUCTURAL PLAYS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED TOP CHORD SHELLING.

Scale = .123 / 100.

REF R215-- 93489

DATE 09/26/06

DRW HCUSR215 06269010

HC - ENG JK/AP

CEON 1970E

48703 SEQU-

FROM LRB

JREF- 1T0Y215 Z03

FL Certificate of Authorization # 567

Top chord 2x4 SP SS :T2 2x4 SP #2 N:
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

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 5-8-0.

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.

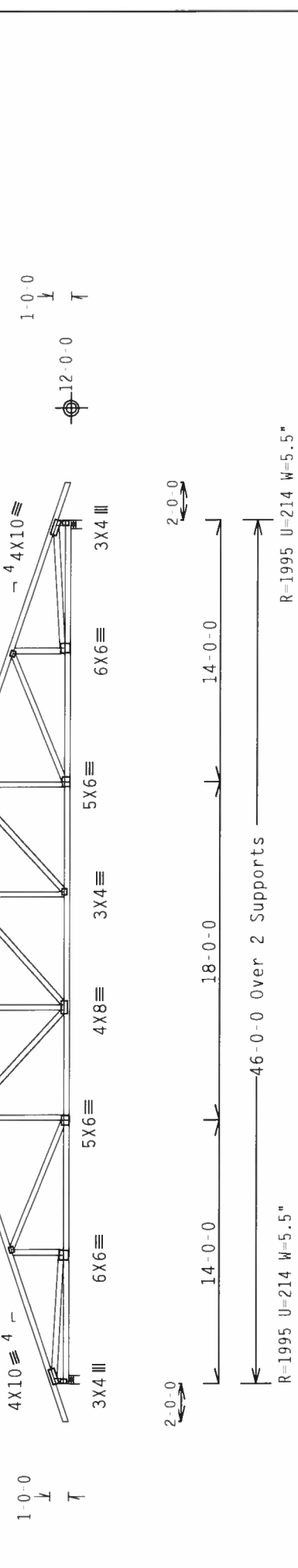
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

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.

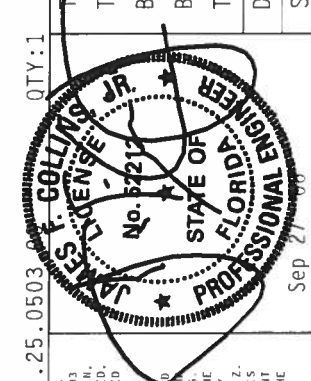
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

PLT TYP. Wave	QTY: 1	FL / - / 5 / - / - / R / -	Scale = .125" / Ft.
	TC LL	20.0 PSF	REF R215 - - 93490
	TC DL	10.0 PSF	DATE 09/26/06
	BC DL	10.0 PSF	DRW HCUSR215 06269011
	BC LL	0.0 PSF	HC-ENG JK/AP *
	TOT.LD.	40.0 PSF	SEQN - 48694
	DUR.FAC.	1.25	FROM LRB
	SPACING	24.0"	JREF - 1T0Y215_Z03



ALPINE
Alpine Engineered Products, Inc.
1950 Manley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

PLT TYP. Wave

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

110 mph wind, 15.17 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.

Wind reactions based on MwFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

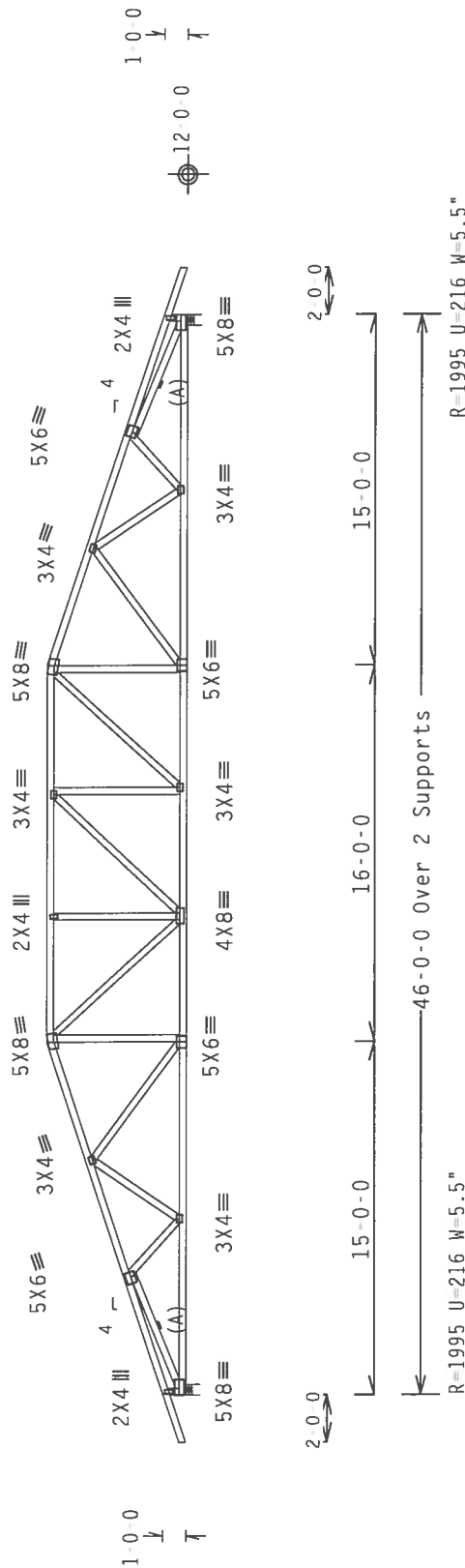
Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Calculated horizontal deflection is 0.13" due to live load and 0.13" due to dead load.

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

The overall height of this truss excluding overhang is 6-0-0.



PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC

 $Cq/RT=1.00(1.25)/10(0) \quad 7.$

503

QTY:1 FL/-15/-1-1R/-

Scale = .125"/Ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. THE FOLLOWING BEST PRACTICES (BPP) (INCLUDING CORRECTION INFORMATION), PUBLISHED BY THE THUSSES PLATE INSTITUTE, 5815 DUNBAR BLVD., SUITE 100, SAN JOSE, CA 95123, 408.434.1234, [WWW.THUSSEX.COM](http://www.thussex.com), MUST BE FOLLOWED TO AVOID INJURY, DAMAGE, AND MADISON, WI 53709. FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS, THUSSES OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD SETTING.

TC	11	20.0	PSE
----	----	------	-----

TC	DL
10	0
0	0
0	0
0	0

70 11 10.0 PST

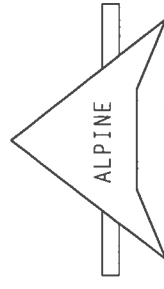
BC DL 10.0 PSF

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUPLICATE 1 2E

DUR. FAC. 1.23



Alpine Engineered Products, Inc.

1950 Marley Drive
Haines City, Fl. 33844

FL Certificate of Authorization # S

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

110 mph wind, 15.33 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

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

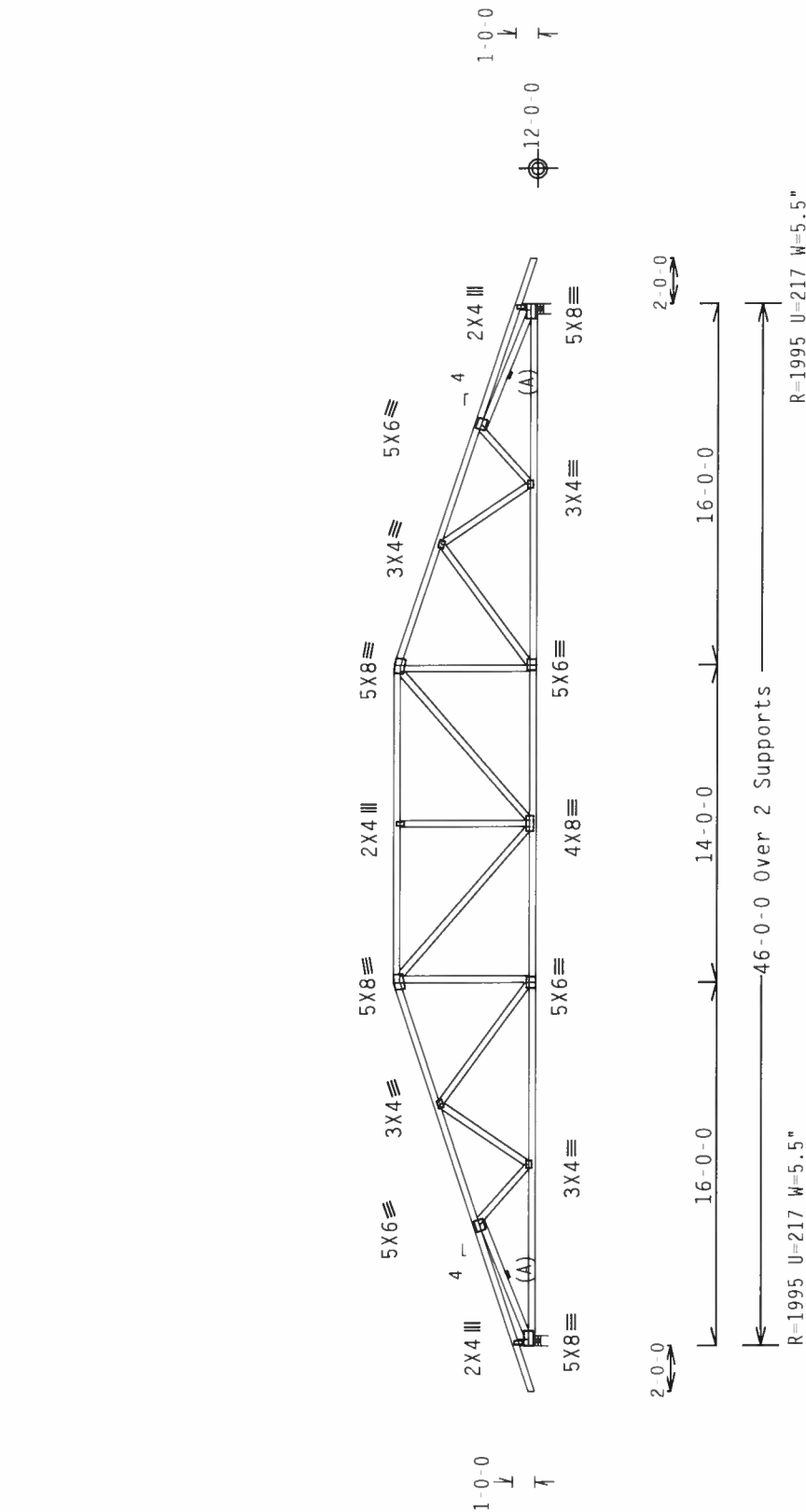
Deflection meets L/240 live and L/180 total load.

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

Calculated horizontal deflection is 0.13" due to live load and 0.13" due to dead load.

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

The overall height of this truss excluding overhang is 6-4-0.



Design Crit: TPI-2002(STD)/FBC

$$Cq/RT=1.00(1.25)/10(0)$$

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

Scale = .125"/Ft.

WARNING: TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, UNLOADING AND DRAGING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS ASSOCIATION, 303 D'AMORIO RD., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA), 6100 ENTERPRISE, D'AMORIO RD., SUITE 200, 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 TOP CHORD CEILING.

TC LL	20.0 PSF
-------	----------

TC DI 10 0 PSE

[illegible]

BU 7 10.0 PST

BC LL 0.0 PSF

TOT.LD. 40.0 PSF

DUR.FAC. 1.25

SPACING 24 0"



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

(3865 - F0T1 HANGER /CONTRACTOR -- . ** - H17A)

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

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.50 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.

Calculated horizontal deflection is 0.13" due to live load and 0.13" due to dead load.

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

The overall height of this truss excluding overhang is 6'-8"-0.

1'-0-0

2'-0-0

17'-0-0

12'-0-0

17'-0-0

46'-0-0 Over 2 Supports

R=1995 U=219 W=5.5"

R=1995 U=219 W=5.5"

Scale = .125"/Ft.

PLT TYP. Wave

Design Crit: TPI-2002 (STD) /FBC

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

7-25.050

QTY:1

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

20.0 PSF

10.0 PSF

10.0 PSF

0.0 PSF

40.0 PSF

1.25

24.0"

REF R215 - 93493

DATE 09/26/06

DRW HCUSR215 06269014

HC-ENG JK/AP

SEQN - 48701

FROM LRB

JREF - 1TOY215_Z03

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ORFORD DR., SUITE 200, MADISON, MI 48371) AND NCA (NATIONAL COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, MI 48371) 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. PRODUCTS, 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. CONNECTION PLATES ARE MADE OF 2018/16GA (N.H/5/8) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLICABLE PLATES ARE LOCATED ON THIS DESIGN. POSITION PER DRAWINGS TOOK 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPANY 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.

(3865 /F0T1 HANGER /CONTRACTOR -- , ** - H18A)

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

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.67 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.

Calculated horizontal deflection is 0.13" due to live load and 0.13" due to dead load.

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

The overall height of this truss excluding overhang is 7'-0".

PLT TYP. Wave

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503.00 QTY:1 FL/-/5/-/-/R/-

Scale = .125" / Ft.

REF	R215--	93494
DATE	09/26/06	
DRW	HCUSR215	06269015
HC-ENG	JK/AP	*
SEQN	48690	
FROM	LRB	
JREF	1T0Y215_Z03	

ALPINE
Alpine Engineered Products, Inc.
1950 Marley Drive
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

Wind reactions based on MWFRS pressures.

(A) Continuous lateral bracing equally spaced on member.

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

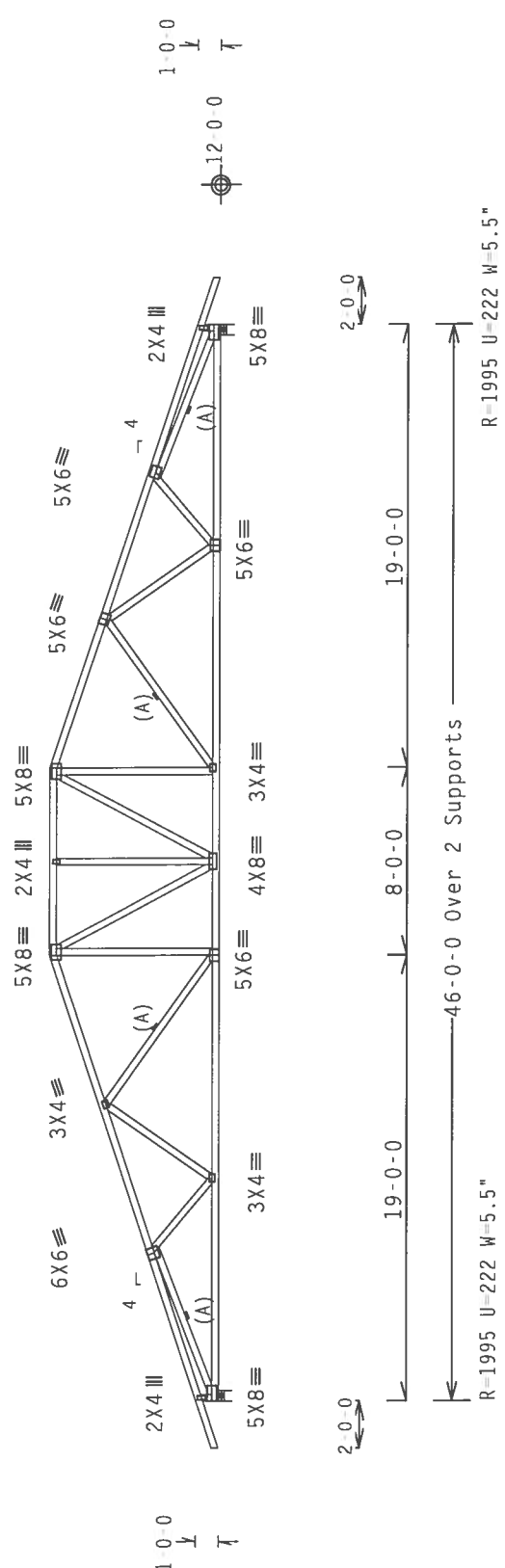
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

110 mph wind, 15.83 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.

Calculated horizontal deflection is 0.13" due to live load and 0.13" due to dead load.

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

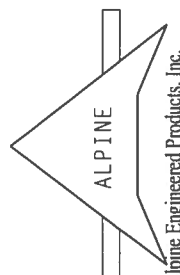
The overall height of this truss excluding overhang is 7'-4" 0."



Design Crit: TPI-2002(STD)/FBC

Cq/RT=1.00(1.25)/10(0) 7.25.0503.00

Scale = .125"/ft.

 Alpine Engineering Products, Inc. 1950 Marley Drive Haines City, FL 33844 FL Certificate of Authorization # 567	PLT TYP. Wave		QTY: 1		FL / - / 5 / - / - / R / -		Scale = .125" / ft.	
	REF R215-- 93495		20.0 PSF		TC LL		DATE 09/26/06	
	DRW HCUSR215 06269016		10.0 PSF		*TC DL		HC-ENG JK/AP *	
	HC-ENG JK/AP *		10.0 PSF		BC DL		SEQN- 48699	
	FROM LRB		40.0 PSF		TOT.LD.		JREF- 1T0Y215_Z03	

110 mph wind, 16.00 ft mean ht, 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.

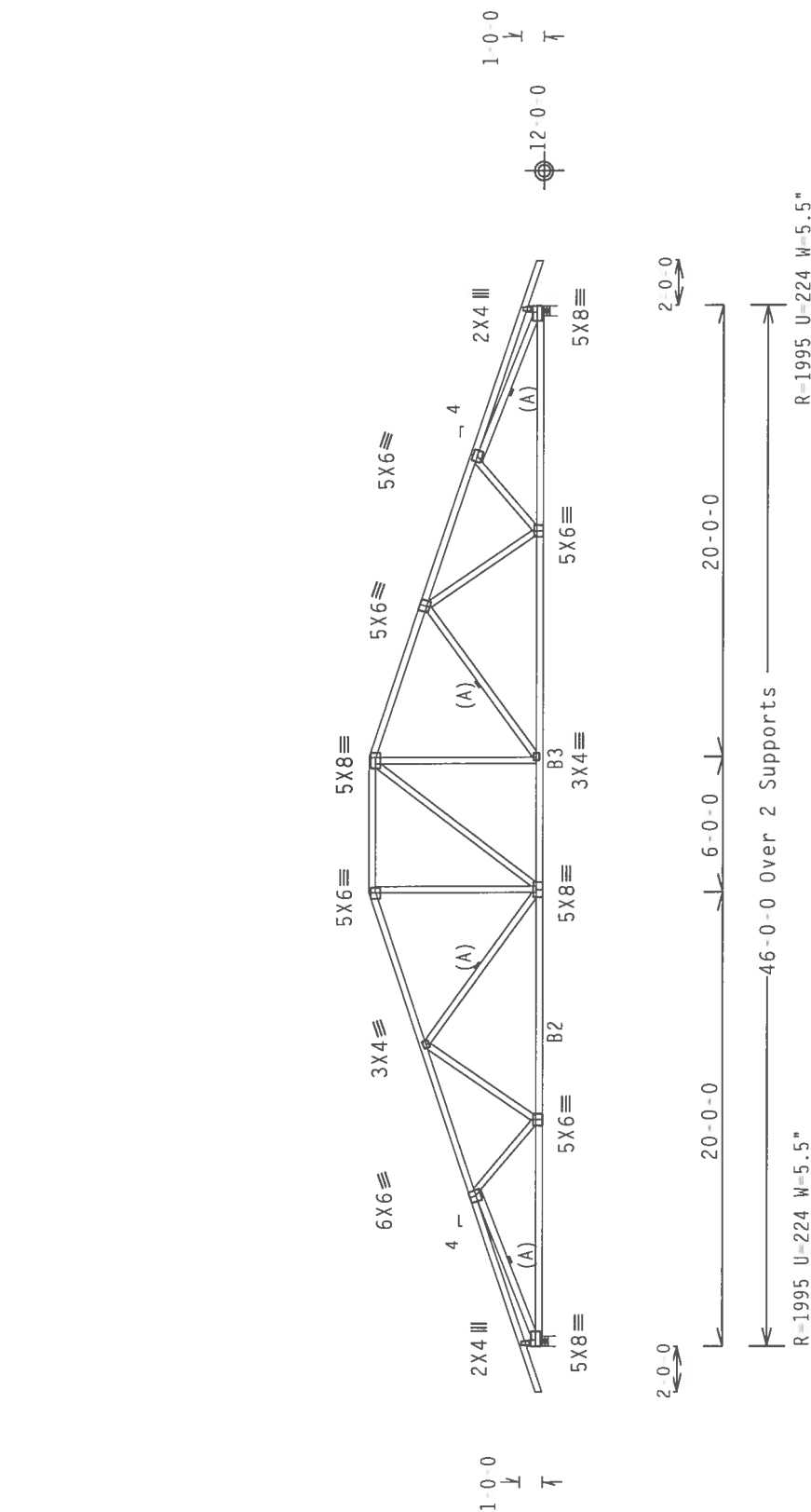
(A) Continuous lateral bracing equally spaced on member.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

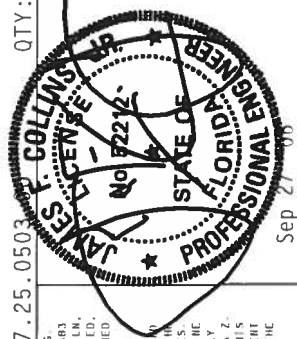
In lieu of structural panels use purlins to brace all flat TC @ 24" OC.

The overall height of this truss excluding overhang is 7-8-0.

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

QTY:1 FL/-/5/-/-/R/-
Scale =.125"/Ft.

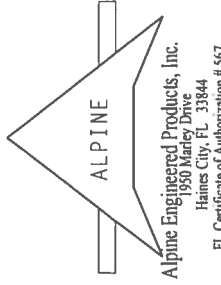
TC LL	20.0	PSF	REF	R215 - -	93496
TC DL	10.0	PSF	DATE	09/26/06	
BC DL	10.0	PSF	DRW	HCU2R215 06269017	
BC LL	0.0	PSF	HC-ENG	JK/AP *	
TOT.LD.	40.0	PSF	SEQN-	48765	
DUR.FAC.	1.25		FROM	LRB	
SPACING	24.0"		JREF-	170Y215 Z03	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE (TRUSS PLATE INSTITUTE, 583 D. OMBRIER RD., SUITE 200, MADISON, WI 53719) AND TRCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE CIRCLE, 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. ALPHE ENGINEERING, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH THE _____ OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES CONFORMS WITH ALL APPLICABLE PROVISIONS OF THIS (NATIONAL DESIGN SPEC. BY AFAPA) AND TP1. ALPHE ENGINEERING PLATES ARE MADE OF 20/18/16GA (W/H/S/K) ASTM A653 GRAUL 40/60 (W. K/P1-S) 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 TP11/2002 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/TP1 P1 SEC. 2.

PLT TYP. Wave



110 mph wind, 16.15 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.

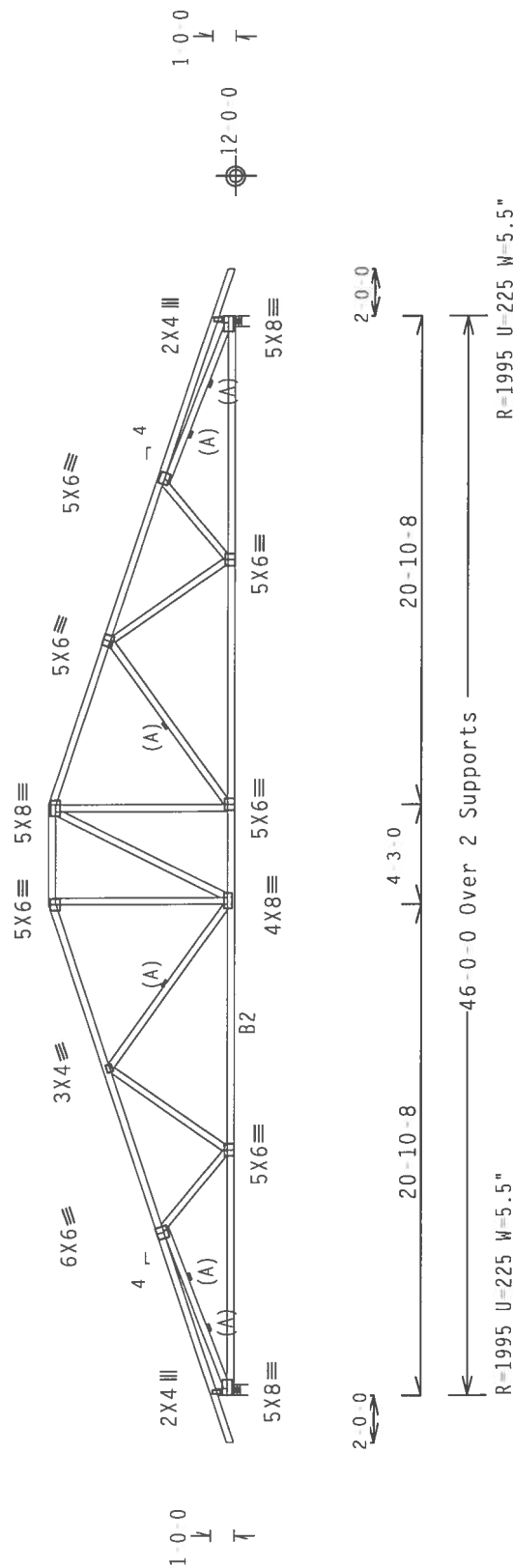
(A) Continuous lateral bracing equally spaced on member.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.

In lieu of structural panels use purlins to brace all flat TC @

The overall height of this truss excluding overhang is 7'11"-8."



Design Crit: TPI-2002(STD)/FBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFLECT TO 2001 IBC BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY BUILDING TECHNOLOGICAL ASSOCIATION, 363 DOWNTOWN DR., SUITE 2700, MADISON, WI 53719, AND WCA (WOOD PRESSES COUNCIL OF AMERICA) TOP CHORD ENTERPRISE, 1000 W. 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.
PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN;
TRUSS IN CONFORMANCE WITH TP-1; OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES
DESIGN CONFORMS WITH APPLICATIONS OF AISC (NATIONAL DESIGN SPEC., BY AIA/AISI) AND ALPINE ENGINEERING
PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS, FOLD 2,
ANY INSPECTION OF PLATES FOLLOWED BY (1). SHALL BE PER ANNEX A OF TP-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 ANS/I/P-1 SEC. 2.

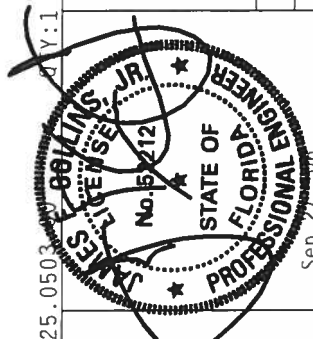
PLT TYP. Wave

503

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

Scale = .125"/Ft.

TC LL	20.0 PSF	REF	R215 -	93497
TC DL	10.0 PSF	DATE	09/26/06	
BC DL	10.0 PSF	DRW	HCUSR215 06269018	
BC LL	0.0 PSF	HC-ENG	JK/AP *	
TOT.LD.	40.0 PSF	SEQN-	48687	
DUR.FAC.	1.25	FROM	LRB	
SPACING	24.0"	JREF-	1T0Y215.Z03	



Haines City, FL 33844
FL Certificate of Authorization # 567

(3865 - F01) HANGER /CONTRACTOR -- . ** - HG7A)

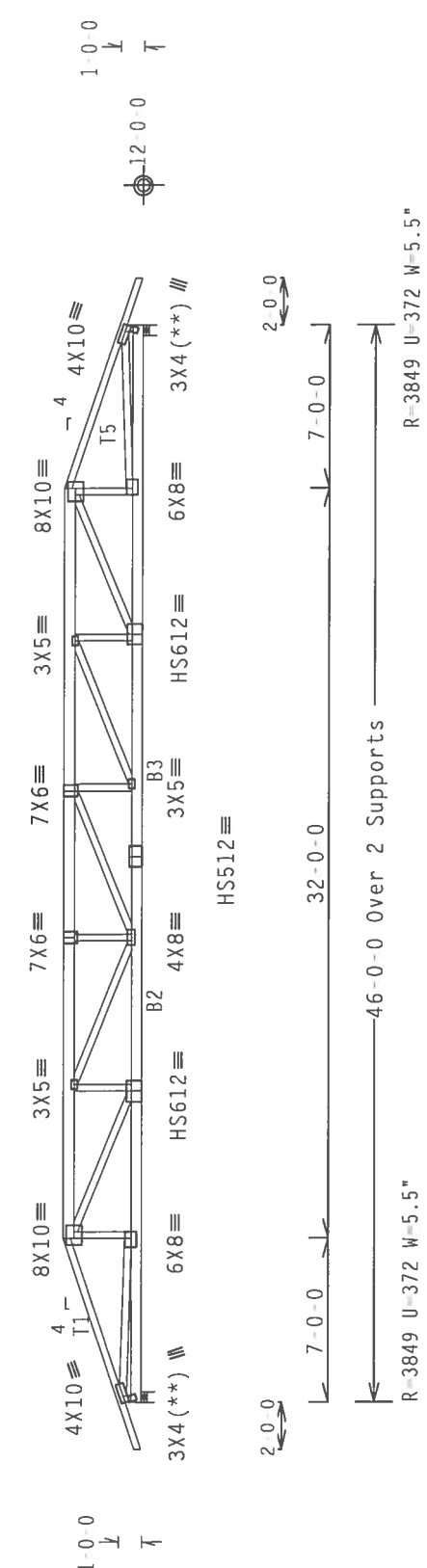
Top chord 2x6 SP #2 N :T1, T5 2x4 SP #2 N :
Bot chord 2x6 SP #2 N :B2, B3 2x6 SP SS:
Webs 2x4 SP #2 N

(**) 2 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

In lieu of structural panels use purlins to brace all flat TC @ 24" OC.
Calculated vertical deflection is 0.72" due to live load and 0.74" due to dead load at X = 19' 9" 10".
The overall height of this truss excluding overhang is 3'-4".

2 COMPLETE TRUSSES REQUIRED

Mailing Schedule: (0.131"x3" Gun nails)
Top Chord: 1 Row @12.00" O.C.
Bot Chord: 1 Row @12.00" O.C.
Webs : 1 Row @ 4" O.C.
Use equal spacing between rows and stagger nails in each row to avoid splitting.
Wind reactions based on MMFRS pressures.
#1 hip supports 7'-0" jacks W/2 panel TC and no end vert.
Deflection meets L/240 live and L/180 total load.
WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



PLT TYP. 20 Gauge HS, Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7.25.0503

QTY:1	FL/-5/-/-R/-	Scale = .125"/Ft.
REF	R215 -	93498
DATE	09/26/06	
DRW	HCUSR215	06269027
HC-ENG	JK/WHK	
SEQN	48754	
FROM	LRB	
JREF	1T0Y215_Z03	

Alpine Engineering Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

James F. Collins, P.E.
No. B2282
State of Florida
Professional Engineer
Sep 27 '06

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1.03 BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY THE TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BLVD., 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. PRODUCTS, 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 AFAPA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA (N.H/S/K) ASTM A653 GRADE 40/60 (N. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T604 Z. DRAWING INDICATES THE PLACEMENT OF PLATES. (1) SHALL BE THE PRIME AS OF PTI 2002 SEC.3. A SEAL ON THIS DESIGN SHOWS THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

2 COMPLETE TRUSSES REQUIRED

Nailing Schedule: (0.131"x3" Gun_nails)
 Top Chord: 1 Row @ 2.00" o.c.
 Bot Chord: 1 Row @ 2.00" o.c.
 Webs : 1 Row @ 4" o.c.

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

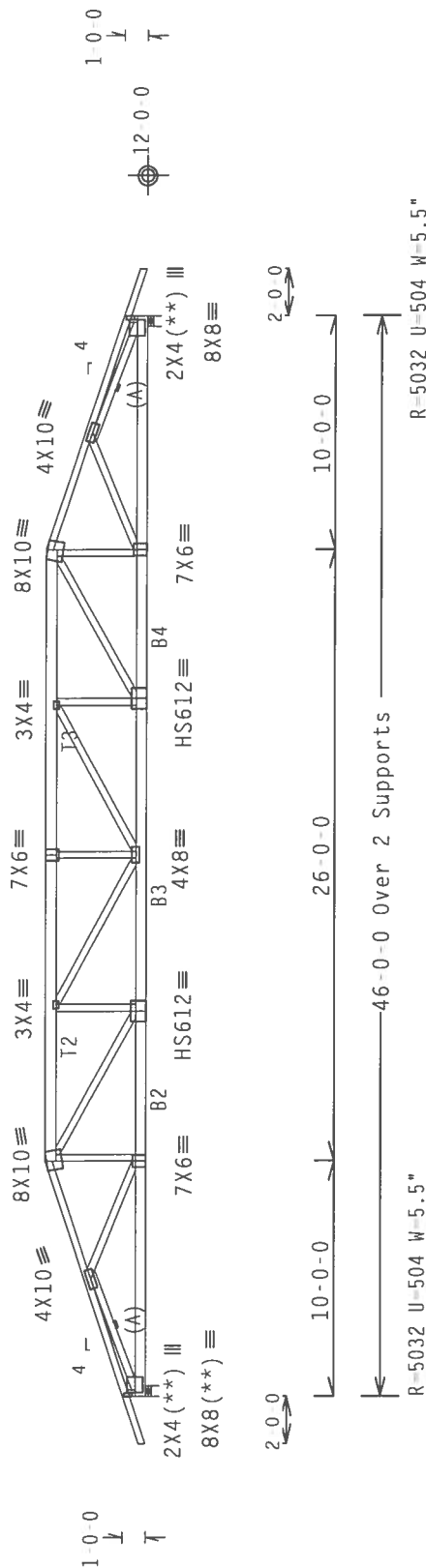
Wind reactions based on MWFRS pressures.

Calculated horizontal deflection is 0.12" due to live load and 0.13" due to dead load.

#1 hip supports 10 0-0 jacks W/2 panel TC and no end vert.

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

WARNING: Furnish a copy of this DWG to the installation contractor. Special care must be taken during handling, shipping and installation of trusses. See "WARNING" note below.



R-5032 11-504 W-5 5"

R=5032 IJ=504 W=5 5"

PLT TYP. 20 Gauge HS,Wave

Design Crit: $\text{TPI} - 2002(\text{STD}) / \text{FBC}$
 $\text{Ca}/\text{RT} = 1.00(1.25)$

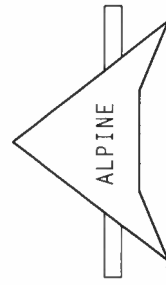
7 25 0503

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

Scale = .125"/Ft.

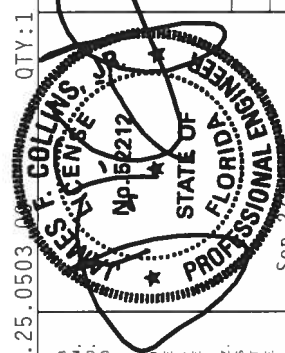
*****WARNING***** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS 1-03 (BUILDING COMPONENT SAFETY) PUBLISHED BY TPI (TRUSS PEAKE INSTITUTE, 583 MADISON RD, SUITE 200, MADISON, WI 53719) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, SUITE 200, WILSONVILLE, OR 97150) FOR MORE INFORMATION CONCERNING THESE CONCERNS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED RIGID CEILING.

****IMPORTANT****—FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE ALPINE ENGINEERING GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI1: PROVISIONS FOR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AIAA) AND TPI1: ALPINE TRUSS DESIGN SPECIFICATION. THE TRUSS SHALL BE BUILT TO THE FOLLOWING DIMENSIONS AND REQUIREMENTS: PLATES TO EACH FACE OF PLYS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A OF TPI1 2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN. THE QUALITY AND USE OF THIS COMMENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING INDICATOR PER TPI1 2002 SEC.3.



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

James City, FL 33844
 El. Certificate of Authorization # 567



Sen 27

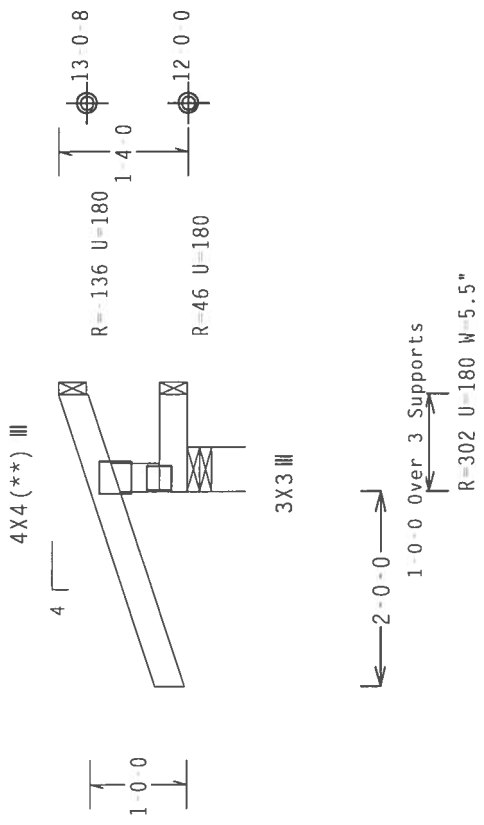
(3865- /FOTI HANGER /CONTRACTOR -- ** - JCL)

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

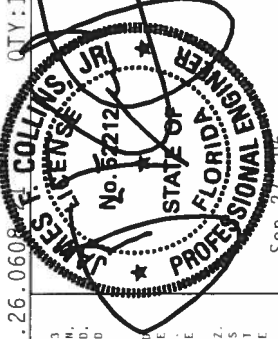
(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.

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.

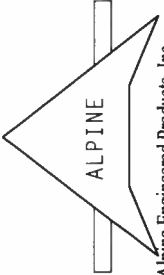


PLT TYP. Wave
Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0) 7-26.0608
Scale = .5"/Ft.

	QTY: 1		FL / - / 5 / - / - / R / -	Scale = .5" / Ft.
	REF	R215 -	93500	
	DATE	09/26/06		
	DRW	HCUSR215	06269029	
	HC-ENG	JK/WHK		
TOT.LD.		40.0	PSF	
DUR.FAC.		1.25		
SPACING		24.0"		
FROM		LRB		
JREF		1T0Y215_Z03		

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSS 1-03, BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 103 O'CONNOR DR., SUITE 200, MADISON, WI 53719, AND NCA (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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, 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. APPLY CONNECTION PLATES ARE MADE OF 2018/16GA (N. 41/2/4) ASTM A653 GRADE 40/60 (N. 41/2/5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS. THIS DESIGN SHOWS THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

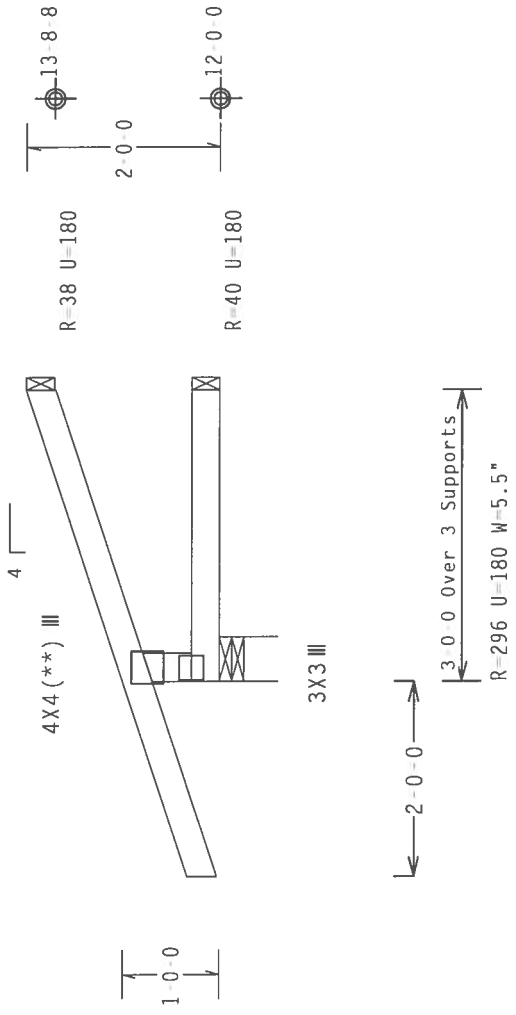
(3865-/F0T1 HANGER /CONTRACTOR ** - JC3)

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

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

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

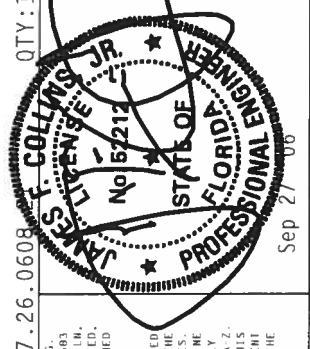
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL-5.0 psf, wind BC DL-5.0 psf.



Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

Scale = .5"/Ft.

QTY:1	FL/-5/-/-R/-	REF R215-- 93501
TC LL	20.0 PSF	DATE 09/26/06
TC DL	10.0 PSF	DRW HCUSR215 06269030
BC DL	10.0 PSF	HC-ENG JK/WHK
BC LL	0.0 PSF	SEQN- 121441 REV
TOT.LD.	40.0 PSF	FROM LRB
DUR.FAC.	1.25	JREF- 1T0Y215_Z03
SPACING	24.0"	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DECSI 1.03, BUILDING COMPONENT SAFETY INFORMATION, FURNISHED BY TPI TRUSSES, 6300 ENTERPRISE BL, DUNFORD DR., SUITE 200, MADISON, WI 53719, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL, 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. ALPINE ENGINEERED PRODUCTS, 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 2018/16GA (W. 1/2/5/8) ASTM A653 GRADE 40/60 (W. K/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF EACH TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T04 Z. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSSES AND DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANS/1/1 SEC. 2.

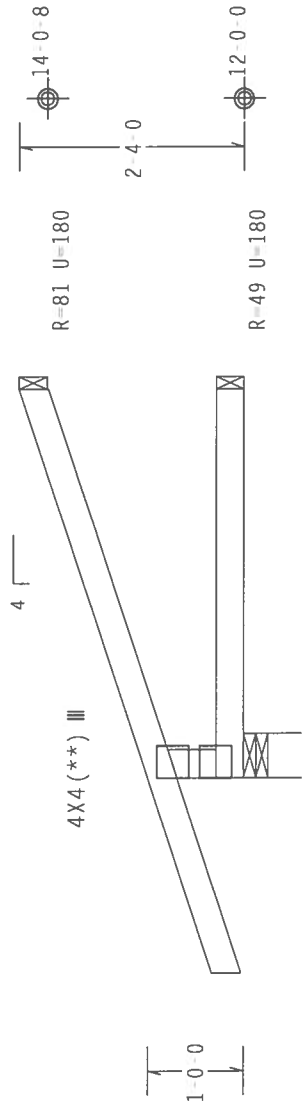
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

(3865 - /FOTI HANGER /CONTRACTOR -- , ** - JC4)

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

(**) 1 plate(s) require special positioning. Refer to scaled plate plot details for special positioning requirements.
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, located anywhere in roof, CAT II, EXP 8, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

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

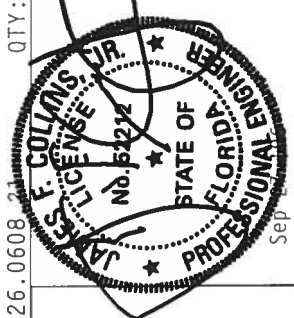


← 2'-0" →
← 4'-0" Over 3 Supports →
R=325 U=180 W=5.5"

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

Scale = .5" / Ft.

QTY:1	FL / - / 5 / - / R / -	TC LL	20.0 PSF	REF	R215 - 93502
		TC DL	10.0 PSF	DATE	09/26/06
		BC DL	10.0 PSF	DRW	HGUSR215 06269031
		BC LL	0.0 PSF	HC-ENG	JK/WHK
		TOT.LD.	40.0 PSF	SEQN	121445 REV
		DUR.FAC.	1.25	FROM	LRB
		SPACING	24.0"	JREF	1TOY215_Z03



****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSEI, SUITE 200, MADISON, WI 53719, AND VITA TRUSS COMPANY 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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, 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 APA) AND TPI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/10GA (W./T./G) ASTM A653 GRADE 40/60 (W. K./I.S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE SPECIFIED, LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TON 2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 7.

Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

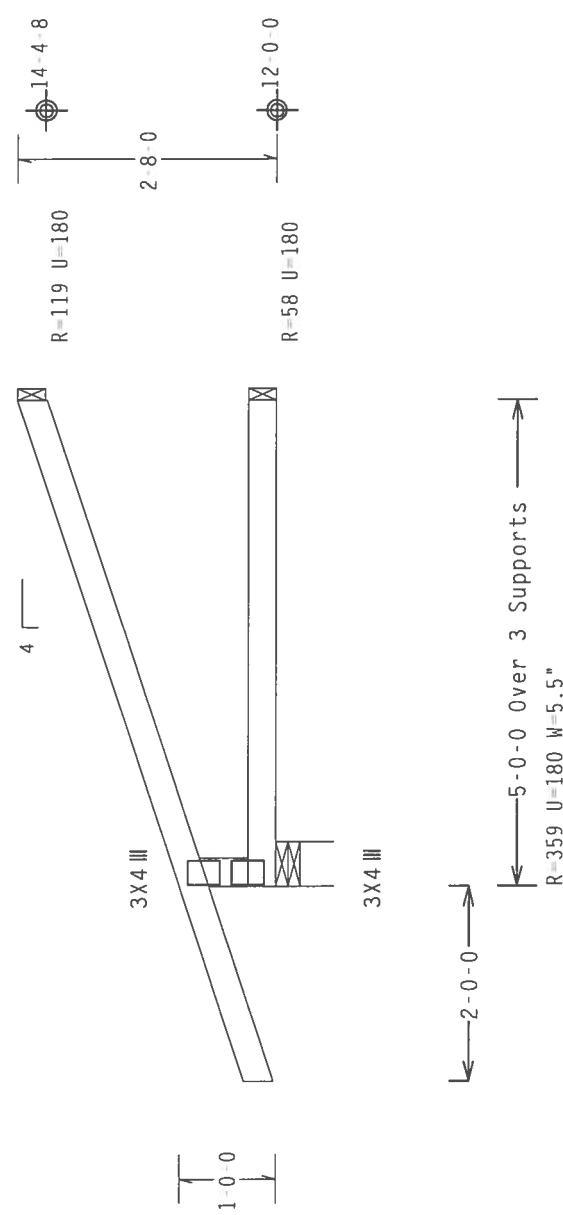
Top	chord	2x4	SP	#2	N
3ot	chord	2x4	SP	#2	N
	webs	2x4	SP	#2	N

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.

blind reactions based on MWFRS pressures.

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

The overall height of this truss excluding overhang is 2-8-0.



Design Crit: TPI-2002(STD)/FBC

Scale = .5"/Ft.

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

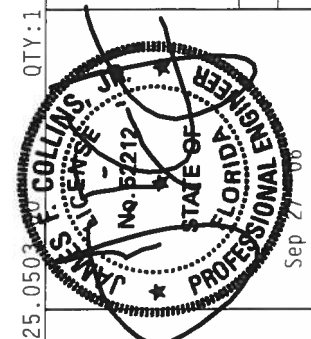
7.25.0503

$$Cq/RT=1.00(1.25)/10(0)$$

Design Crit:

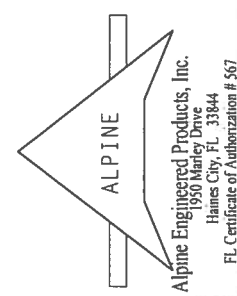
PLT TYP. Wave

TC LL	20.0	PSF	REF R215 - 93503
TC DL	10.0	PSF	DATE 09/26/06
BC DL	10.0	PSF	DRW HCUR215 06259019
BC LL	0.0	PSF	HC-ENG JK/AP *
TOT.LD.	40.0	PSF	SEQN- 48718
DUR.FAC.	1.25		FROM LRB
SPACING	24.0"		JREF- 1T0Y215_Z03



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSP 1-03, BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY TPI (TRUSS PACE INSTITUTE, 583 2ND FLOOR DR., SUITE 200, MADISON, WI 53719), AND METAL TRUSS COUNCIL OF AMERICA, 6100 ENTERPRISE LN., MADISON, WI 53719, FOR SAFETY PRACTICES PRIOR TO MICA (WOOD TRUSS) OR TPI (STEEL TRUSS) INSTALLATION. 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H²/K) ASTM A653 GRADE 40/60 (W/ K/H-3) GALV. STEEL. 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 ANS A3 OF TPI 1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES THE ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

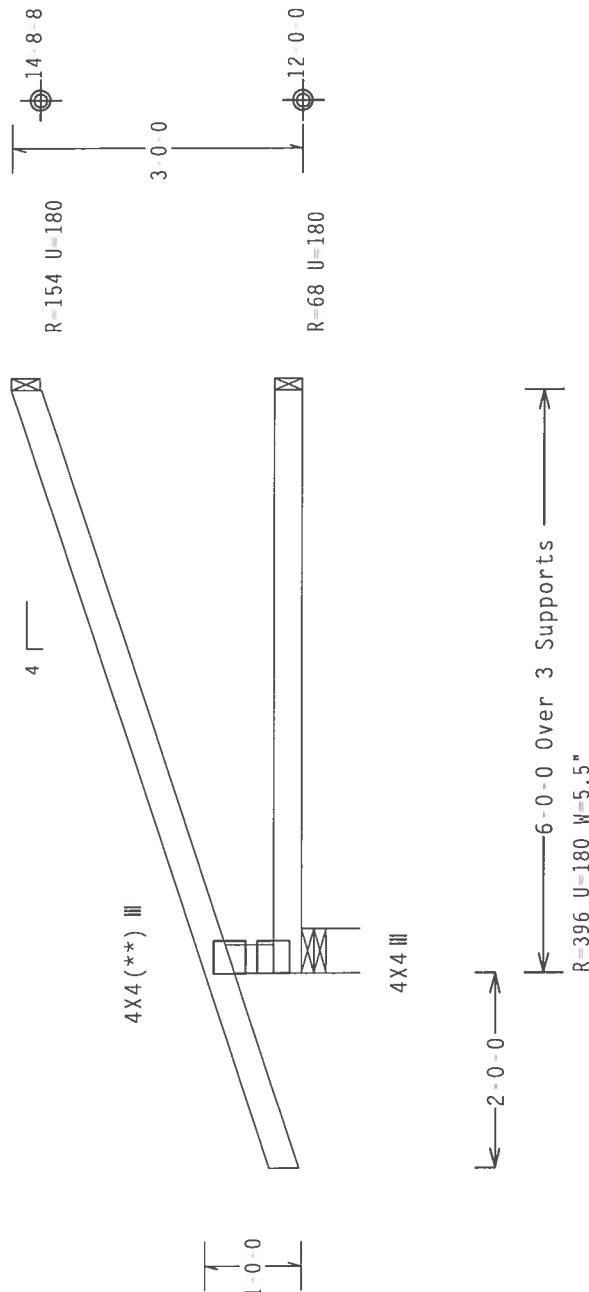


Top chord	2x4	SP #2
30t chord	2x4	SP #2
Web	2x4	SP #2

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

1110 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.

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



Design Crit: TPI-2002(STD)/FBC

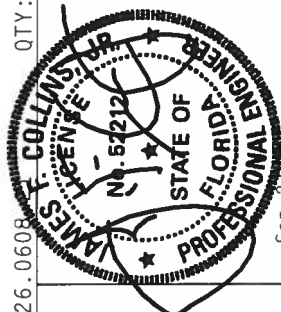
PIT TYP. Wave

7 26 0608

QTY:1 EL1-151-1-1R1-

Scale = .5"/Ft.

TC LL	20.0	PSF	REF R215-- 93504
TC DL	10.0	PSF	DATE 09/26/06
BC DL	10.0	PSF	DRW HCURS215 06269032
BC LL	0.0	PSF	HC-ENG JK/WHK
TOT.LD.	40.0	PSF	SEQN- 121449 REV
DUR.FAC.	1.25		FROM LRB
SPACING	24.0"		JREF- 1T0Y215_Z03



~~SECRET~~
Sep 27 '06



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844

James City, FL 33844
FL Certificate of Authorization # 567

El. Certificate of Authorization # 567

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

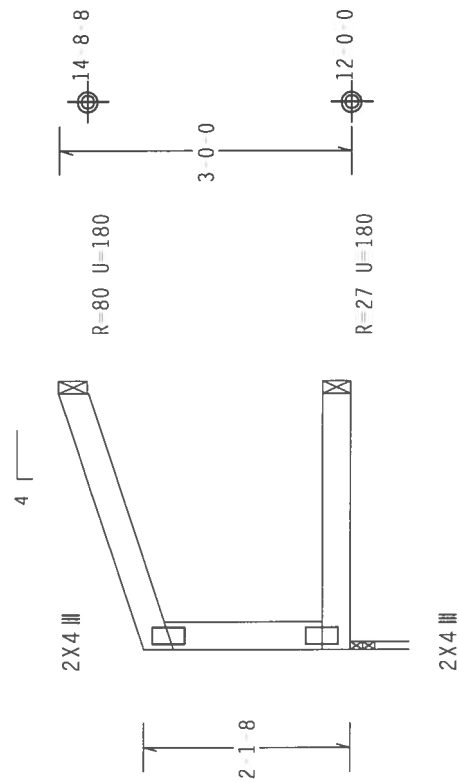
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

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

Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 3-0-0.



2' 7" 8 Over 3 Supports
R=106 U-180 W-1.5" (++)

Design Crit: $\text{TPI} - 2002(\text{STD})/\text{FBC}$
 $\text{Cq}/\text{RT} = 1.00(1.25)/$

PLT TYP. Wave

ALPINE

Alpine Engineered Products, Inc.
1950 Marlow Drive
Haines City, FL 33844

FL Certificate of Authorization # 567

Design of Truss: 11/11/2002 (300) / PBC

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

7.25-.0503.00

QTY: 1

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 363 D'ONOFIO DR., SUITE 200, MADISON, WI 53719, AND AISC (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE BL, 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 A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (4-M/5/3) ASTM A653 GRADE 40/60 (M, K/H-S) 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 TPI1-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.



7.25-.0503.00

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

Scale = .5"/Ft.

REF R215-- 93506

DATE 09/26/06

DRW HCUSR215 06269020

HC-ENG JK/AP

SEQN- 48724

FROM LRB

JREF- 1T0V215_Z03

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/-

Scale = .5"/Ft.

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

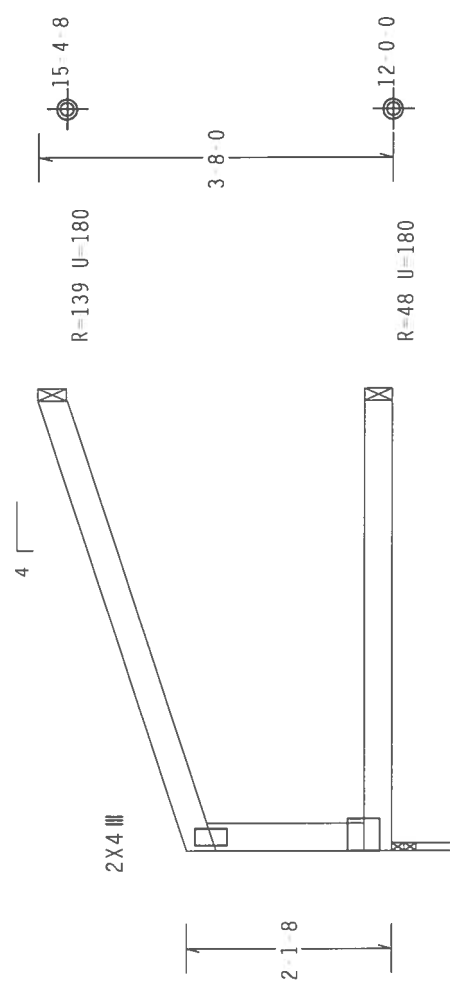
110 mph wind, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind Tc DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

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

Left end vertical not exposed to wind pressure.

The overall height of this truss excluding overhang is 3-8 0.

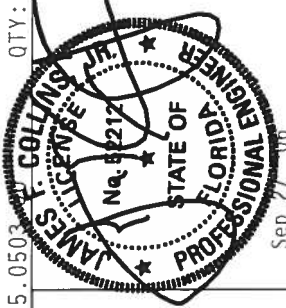


4-7-8 Over 3 Supports
R=188 U=180 W=1.5" (++)

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

Scale = .5" / Ft.

TC LL	20.0 PSF	REF	R215 -- 93507
TC DL	10.0 PSF	DATE	09/26/06
BC DL	10.0 PSF	DRW	HCUSR215 06269021
BC LL	0.0 PSF	HC-ENG	JK/AP
TOT.LD.	40.0 PSF	SEQN	48728
DUR.FAC.	1.25	FROM	LRB
SPACING	24.0"	JREF	1T0Y215 Z03



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AWS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-1/5/5) ASTM A653 GRADE 40/60 (N, K/H-S) 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 DESIGNER. THE SEALING AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, 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 AWS (NATIONAL DESIGN SPEC. BY AIA/PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (N-1/5/5) ASTM A653 GRADE 40/60 (N, K/H-S) 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 DESIGNER. THE SEALING AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

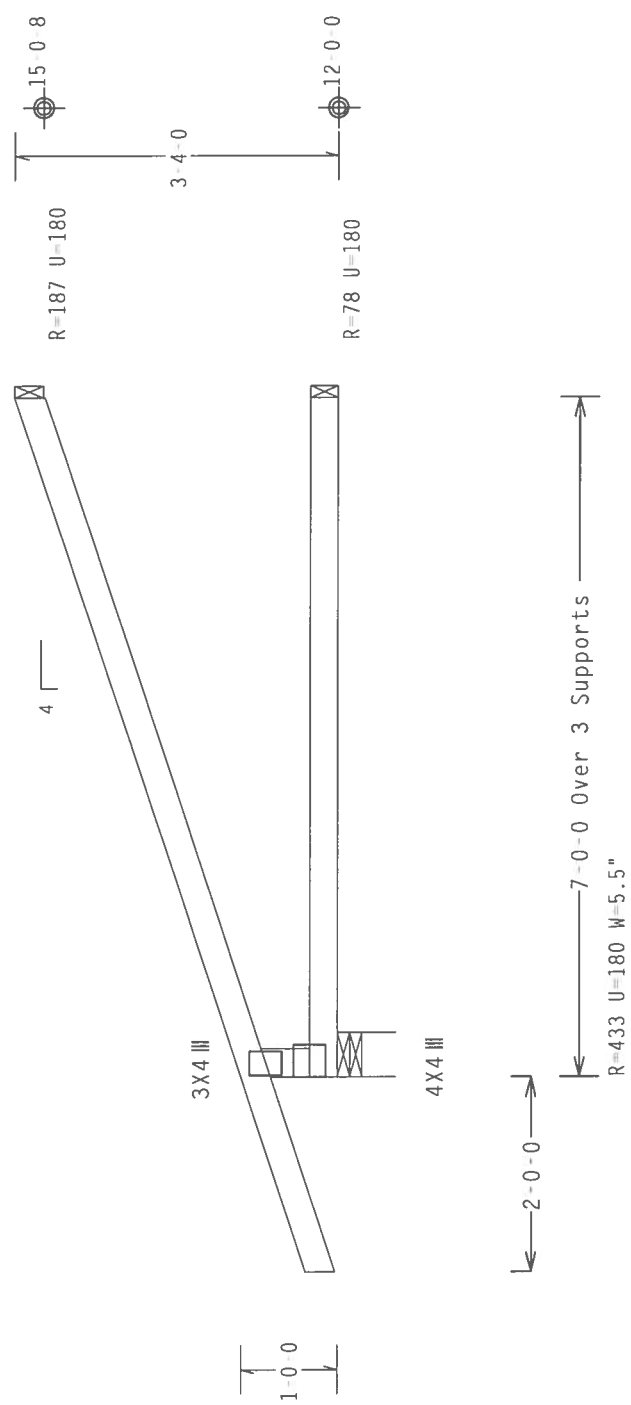
Top chord 2x4 SP #2 N
Bot chord 2x4 SP #2 N
Webs 2x4 SP #2 N

110 mph wind, 15.00 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.

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 3-4-0.



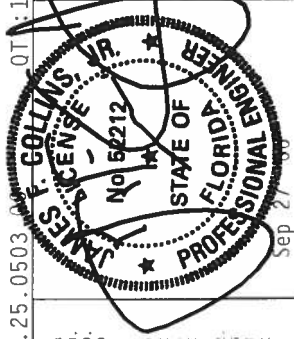
Design Crit: TPI-2002(STD)/FBC

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

7.25.0503

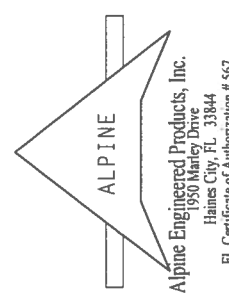
Scale = .5" / Ft.

PLT TYP. Wave	OT: 1	FL: -	5/ -	- / R/ -	REF R215 - - 93508
					DATE 09/26/06
					DRW HCUSR215 06269022
					HC-ENG JK/AP
					SEQN - 48712
					FROM LRB
					JREF - 1T0Y215 Z03



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 MADISON AVE, SUITE 100, 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. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-N/5/K) ASTM A653 GRADE 40/60 (4, 8/16.5) 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 AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13TH EDITION, 2005. (2) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13TH EDITION, 2005. (3) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13TH EDITION, 2005. 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 AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13TH EDITION, 2005.



(3865 - /F011 HANGER /CONTRACTOR *** - JE7A)

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

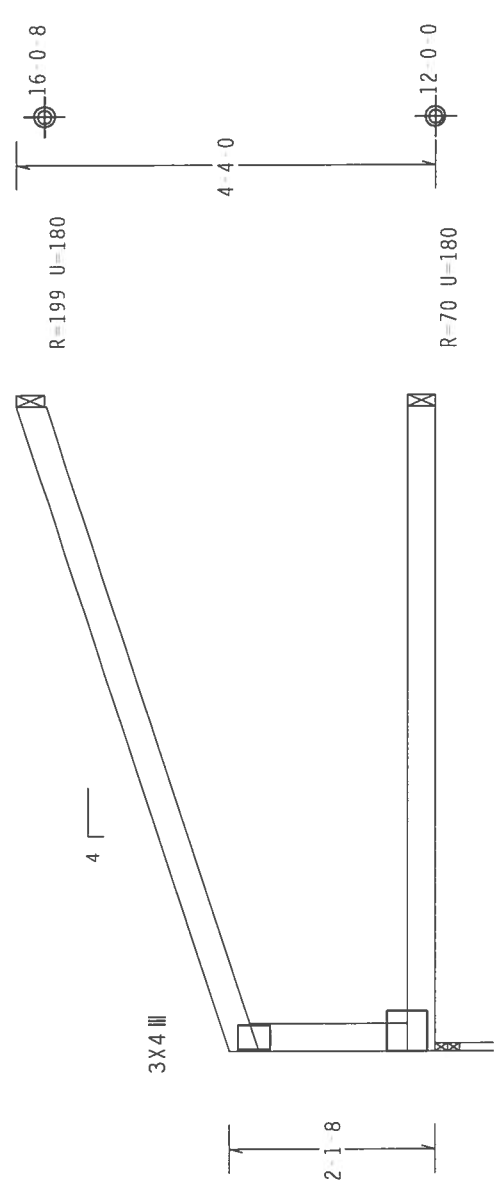
110 mph wind, 15.23 ft mean hgt, ASCE 7-02, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

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

Left end vertical not exposed to wind pressure.

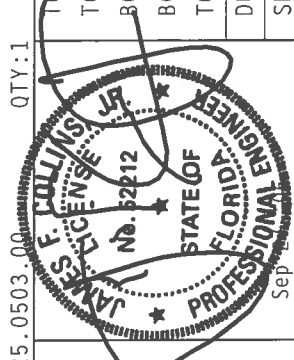
The overall height of this truss excluding overhang is 4-4 0.



6-7-8 Over 3 Supports
R-269 U=180 W=1.5" (++)

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

PLT TYP. Wave	QTY:1	FL/-/5/-/-/R/-	Scale = .5" /Ft.
REF R215 - 93509	TC LL	20.0 PSF	
DATE 09/26/06	TC DL	10.0 PSF	
DRW HCUSR215 06269023	BC DL	10.0 PSF	
HC-ENG JK/AP	BC LL	0.0 PSF	
SEQN - 48726	TOT.LD.	40.0 PSF	
FROM LRB	DUR.FAC.	1.25	
JREF - 1T0Y215 Z03	SPACING	24.0"	



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 503 MADISON STREET, SUITE 200, MADISON, WI 53703, AND TPI'S TRUSS CHORD CONNECTIONS, PUBLISHED BY TPI, 503 MADISON STREET, SUITE 200, MADISON, WI 53703. 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. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI'S OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY AF&PA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-11/5/K) ASTM A653 GRADE 40/60 (4-11/5) 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 DESIGN 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. 2.

Alpine Engineered Products, Inc.
1950 Marley Drive
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

Bearing blocks: Nail type: 0.131"x3" Gun nails
 LB RG X LOC #BLOCKS LENGTH/BLK #NAILS/BLK WALL PLATE
 1 0.000' 1 12" 4 Match Truss
 Bearing block to be same size and species as bottom chord.
 Refer to drawing CMBRBLK1103 for additional information.

110 mph wind, 15.22 ft mean hat, 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.

Left end vertical not exposed to wind pressure.

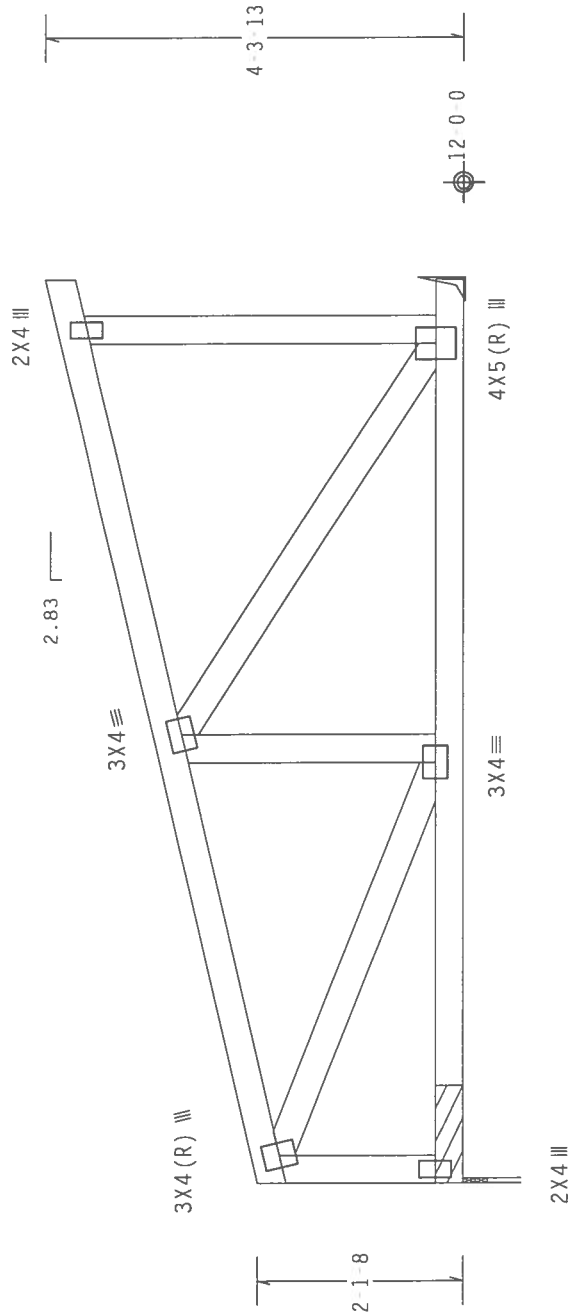
The overall height of this truss excluding overhang is 4-3-13.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)			
TC	From	61 PLF at 0.00 to	61 PLF at 9.31
BC	From	20 PLF at 0.00 to	20 PLF at 9.31
TC	81 LB Conc.	Load at 0.80	
TC	233 LB Conc.	Load at 3.62	
TC	506 LB Conc.	Load at 6.45	
BC	49 LB Conc.	Load at 0.80,	6.45
BC	95 LB Conc.	Load at 3.62	

Wind reactions based on MWFRS pressures.

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



9-3-11 Over 2 Supports $\overleftrightarrow{\hspace{10em}}$
 $R=845 \quad U=180 \quad W=0.664'' \quad (++)$
 $R=857 \quad U=244$

Design Crit: $\text{TPI} - 2002(\text{STD})/\text{FBC}$

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY IPI (CRUISING PLATE INSTITUTE, 583 DORCHESTER RD., SUITE 200, MADISON, WI 53719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6200 ENTERPRISE, IN. 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. ALPINE ENGINEERED PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN; ANY FAILURE TO BUILD THE TRUSSS IN COMPLIANCE WITH TPI's OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING TO TRULLES DESPECIFICATIONS WILL HAVE NO PROVISIONS OF NATIONAL DESIGN SPEC. BY AIRPAQ AND TYPICAL ALPINE TRUSS CONNECTIONS MAY BE USED UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER PARAGRAPHS 160A-2 PLATES TO EACH FACE OF TRUSS AND UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER PARAGRAPHS 160A-2 UNLESS OTHERWISE LOCATED ON THIS DESIGN. POSITION PER PARAGRAPH 17 OF TPI-2002 SEC. 3. A SEAL ON THIS AN INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A.3 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 DESIGNING DESIGNER PER ANNEX B.1 SEC. 2.

PLT TYP. Wave



Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

Scale = .5"/Ft.

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

503-440-0011

TC LL	20.0 PSF	REF R215 - 93510
TC DL	10.0 PSF	DATE 09/26/06
BC DL	10.0 PSF	DRW HCUSR215 06269034
BC LL	0.0 PSF	HC-ENG JK/WHK
TOT.LD.	40.0 PSF	SEQN- 48736
DUR.FAC.	1.25	FROM LRB
SPACING	24.0"	JREF- 1T0Y215_Z03

Sep 27 '06

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

110 mph wind, 15.20 ft mean hgt, ASCE 7-02, CLOSED bldg, Located
anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.

Wind reactions based on MWFRS pressures.

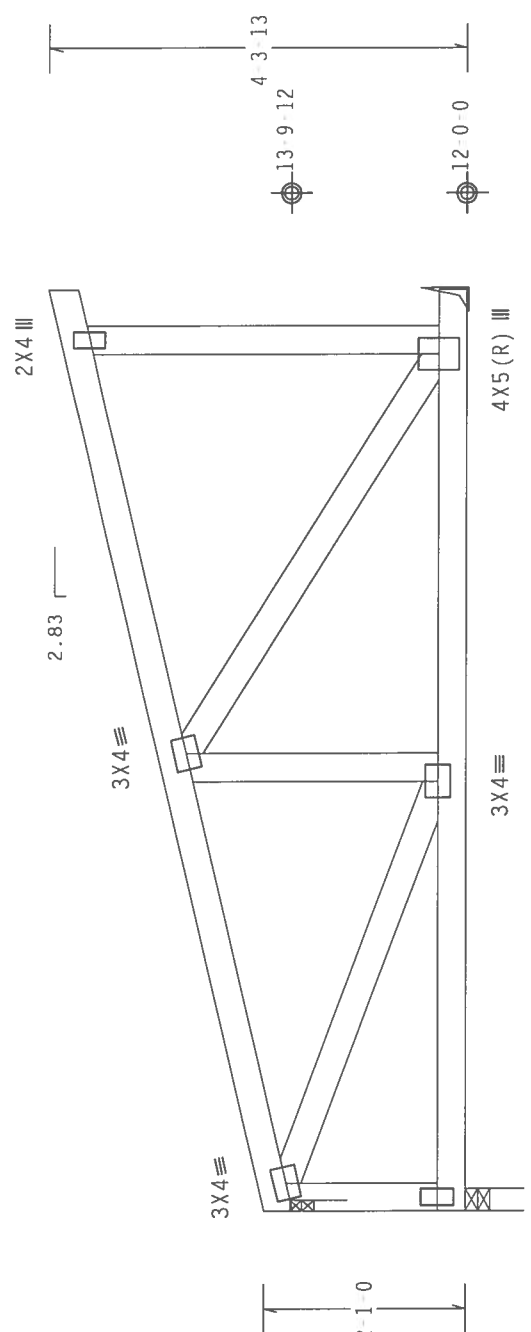
Left end vertical not exposed to wind pressure.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC - From 61 PLF at 0.00 to 61 PLF at 9.48
BC - From 20 PLF at 0.00 to 20 PLF at 9.48
TC - 81 LB Conc. Load at 0.97
TC - 233 LB Conc. Load at 3.80
TC - 506 LB Conc. Load at 6.63
BC - 49 LB Conc. Load at 0.97, 6.63
BC - 95 LB Conc. Load at 3.80

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

The overall height of this truss excluding overhang is 4-3-13.



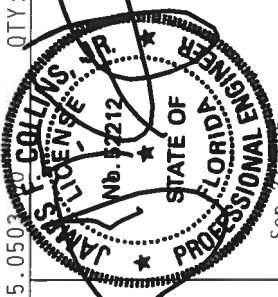
0-0-11

9-5-13 Over 3 Supports

R-68 U=180 W=2.786"
R-776 U=230 W=1.371" (++)

Design Crit: TPI-2002 (STD) / FBC

PLT TYP. Wave	QTY: 1	FL / - / 5 / - / - / R / -	Scale = .5" / Ft.
REF R215 - - 93511	TC LL	20.0 PSF	
DATE 09/26/06	TC DL	10.0 PSF	
DRW HCUSR215 06269035	BC DL	10.0 PSF	
HC-ENG JK / WHK	BC LL	0.0 PSF	
SEQN - 48738	TOT. LD.	40.0 PSF	
FROM LRB	DUR. FAC.	1.25	
JREF - 1T0Y215-Z03	SPACING	24.0"	



****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 13 D'AMORE DR., SUITE 200, MADISON, WI 53719, AND AISC (STEEL EDUCATION CENTER), 500 N. MICHIGAN, CHICAGO, IL 60611. 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. ALPINE ENGINEERED PRODUCTS, 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2018/166A (4-H/5X) ASTM A653 GRADE 40/60 (4- K/H-5) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A-2. PLATES TO BE USED FOR CONNECTIONS SHALL BE IDENTIFIED BY THE TPI-2002 SEC. 3 FOR THE TRUSS COMPONENT DESIGN SHOW THE SUFFICIENCY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
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, 15.00 ft mean hgt, ASCE 7-02, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Wind reactions based on MWFRS pressures.

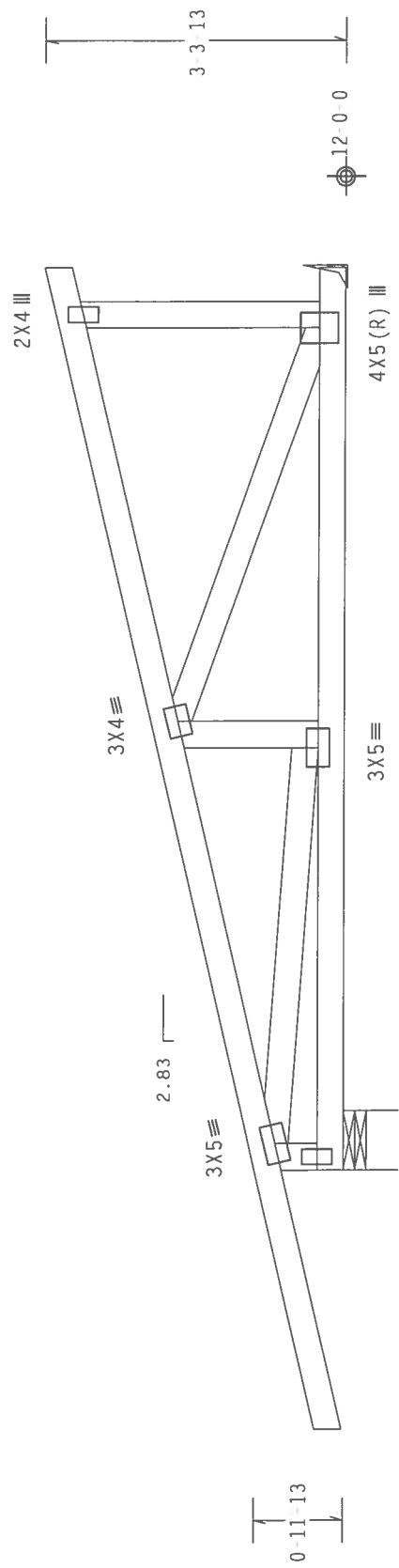
Deflection meets L/240 live and L/180 total load.

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

SPECIAL LOADS

- TC - From 61 PLF at -2.83 to 61 PLF at 9.90
- BC - From 4 PLF at -2.83 to 4 PLF at 0.00
- TC - From 20 PLF at 0.00 to 20 PLF at 9.90
- TC - 75 LB Conc. Load at 4.22
- TC - 237 LB Conc. Load at 7.05
- BC - 92 LB Conc. Load at 1.39
- BC - 81 LB Conc. Load at 4.22
- BC - 116 LB Conc. Load at 7.05

The overall height of this truss excluding overhang is 3-3-13.



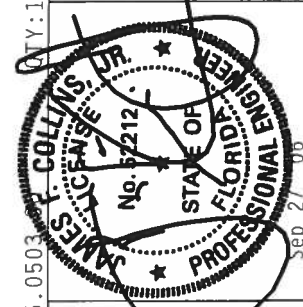
2-9-15

9-10-13 Over 2 Supports
R-644 U-297 W-7.778

R-665 U-180

Design Crit: TPI-2002(STD)/FBC
Cq/RT=1.00(1.25)/10(0)

PLT TYP. Wave	QTY:1	FL/-/5/-/-/R/-	Scale = .5"/Ft.
	TC LL	20.0 PSF	REF R215 - 93512
	TC DL	10.0 PSF	DATE 09/26/06
	BC DL	10.0 PSF	DRW HCUR215 06269036
	BC LL	0.0 PSF	HC-ENG JK/WHK
	TOT.LD.	40.0 PSF	SEQN- 48734
	DUR.FAC.	1.25	FROM LRB
	SPACING	24.0"	JREF- 1T0Y215_Z03



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), RES 1.04 (INSTALLATION AND BRACING), RES 1.05 (CONNECTIONS), RES 1.06 (LOADS), RES 1.07 (DESIGN), RES 1.08 (CONNECTIONS), RES 1.09 (INSTALLATION AND BRACING), RES 1.10 (LOADS), RES 1.11 (DESIGN), RES 1.12 (CONNECTIONS), RES 1.13 (INSTALLATION AND BRACING), RES 1.14 (LOADS), RES 1.15 (DESIGN), RES 1.16 (CONNECTIONS), RES 1.17 (INSTALLATION AND BRACING), RES 1.18 (LOADS), RES 1.19 (DESIGN), RES 1.20 (CONNECTIONS), RES 1.21 (INSTALLATION AND BRACING), RES 1.22 (LOADS), RES 1.23 (DESIGN), RES 1.24 (CONNECTIONS), RES 1.25 (INSTALLATION AND BRACING), RES 1.26 (LOADS), RES 1.27 (DESIGN), RES 1.28 (CONNECTIONS), RES 1.29 (INSTALLATION AND BRACING), RES 1.30 (LOADS), RES 1.31 (DESIGN), RES 1.32 (CONNECTIONS), RES 1.33 (INSTALLATION AND BRACING), RES 1.34 (LOADS), RES 1.35 (DESIGN), RES 1.36 (CONNECTIONS), RES 1.37 (INSTALLATION AND BRACING), RES 1.38 (LOADS), RES 1.39 (DESIGN), RES 1.40 (CONNECTIONS), RES 1.41 (INSTALLATION AND BRACING), RES 1.42 (LOADS), RES 1.43 (DESIGN), RES 1.44 (CONNECTIONS), RES 1.45 (INSTALLATION AND BRACING), RES 1.46 (LOADS), RES 1.47 (DESIGN), RES 1.48 (CONNECTIONS), RES 1.49 (INSTALLATION AND BRACING), RES 1.50 (LOADS), RES 1.51 (DESIGN), RES 1.52 (CONNECTIONS), RES 1.53 (INSTALLATION AND BRACING), RES 1.54 (LOADS), RES 1.55 (DESIGN), RES 1.56 (CONNECTIONS), RES 1.57 (INSTALLATION AND BRACING), RES 1.58 (LOADS), RES 1.59 (DESIGN), RES 1.60 (CONNECTIONS), RES 1.61 (INSTALLATION AND BRACING), RES 1.62 (LOADS), RES 1.63 (DESIGN), RES 1.64 (CONNECTIONS), RES 1.65 (INSTALLATION AND BRACING), RES 1.66 (LOADS), RES 1.67 (DESIGN), RES 1.68 (CONNECTIONS), RES 1.69 (INSTALLATION AND BRACING), RES 1.70 (LOADS), RES 1.71 (DESIGN), RES 1.72 (CONNECTIONS), RES 1.73 (INSTALLATION AND BRACING), RES 1.74 (LOADS), RES 1.75 (DESIGN), RES 1.76 (CONNECTIONS), RES 1.77 (INSTALLATION AND BRACING), RES 1.78 (LOADS), RES 1.79 (DESIGN), RES 1.80 (CONNECTIONS), RES 1.81 (INSTALLATION AND BRACING), RES 1.82 (LOADS), RES 1.83 (DESIGN), RES 1.84 (CONNECTIONS), RES 1.85 (INSTALLATION AND BRACING), RES 1.86 (LOADS), RES 1.87 (DESIGN), RES 1.88 (CONNECTIONS), RES 1.89 (INSTALLATION AND BRACING), RES 1.90 (LOADS), RES 1.91 (DESIGN), RES 1.92 (CONNECTIONS), RES 1.93 (INSTALLATION AND BRACING), RES 1.94 (LOADS), RES 1.95 (DESIGN), RES 1.96 (CONNECTIONS), RES 1.97 (INSTALLATION AND BRACING), RES 1.98 (LOADS), RES 1.99 (DESIGN), RES 2.00 (CONNECTIONS).

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. PRODUCTS, INC., SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. TRUSS IN CONFORMANCE WITH TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES CONFORMS WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 2010/1666 (40/1666) ASTM A653 GRADE 40/60 (40/60) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 160A.2. DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE DESIGN OF THE BUILDING. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.

ALPINE

Alpine Engineered Products, Inc.
1950 Marley Drive
Haines City, FL 33844
FL Certificate of Authorization # 567

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.

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.

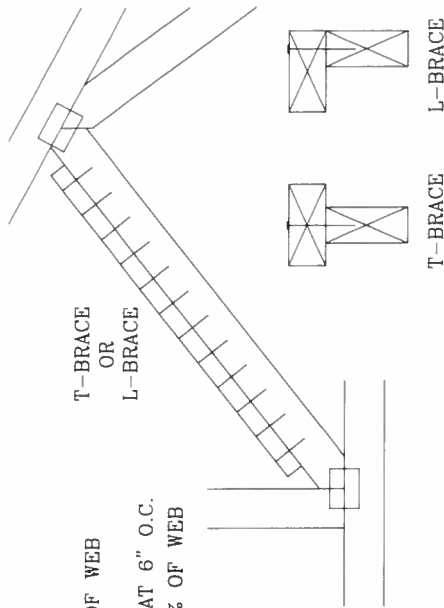
WEB MEMBER SIZE	SPECIFIED CLB BRACING	T OR L-BRACE	ALTERNATIVE BRACING SCAB BRACE
2X3 OR 2X4	1 ROW	2X4	1-2X4
2X3 OR 2X4	2 ROWS	2X6	2-2X4
2X6	1 ROW	2X4	1-2X6
2X6	2 ROWS	2X6	2-2X4(*)
2X8	1 ROW	2X6	1-2X8
2X8	2 ROWS	2X6	2-2X6(*)

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.

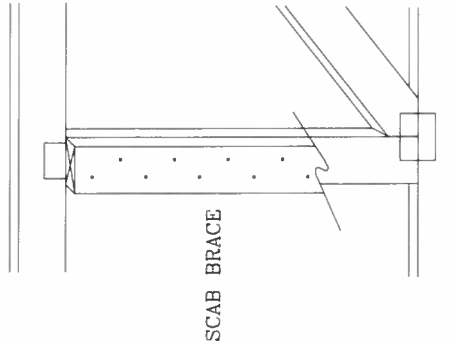
T-BRACING
OR
L-BRACING:

APPLY TO EITHER SIDE OF WEB
NARROW FACE
ATTACH WITH 16d 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 OR .128"x3" GUN
NAILS AT 6" O.C. BRACE IS A MINIMUM
80% OF WEB MEMBER LENGTH



THIS DRAWING REPLACES DRAWING 579,640

	REF	CLB SUBST.
PSF	TC LL	
PSF	TC DL	DATE 11/26/03
PSF	BC DL	DRWG BRLCSUB1103
PSF	BC LL	-ENG MLH/KAR
PSF	TOT. LD.	
DUR. FAC.		
SPACING		

JAMES F. COLLINS
LICENSE NO. 5212
STATE OF FLORIDA
PROFESSIONAL ENGINEER

ALPINE

ALPINE ENGINEERED PRODUCTS, INC.
POMPANO BEACH, FLORIDA

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC31 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI TRUSS PLATE INSTITUTE, 583 D'ONDRIFF DR., SUITE 200, MADISON, WI. 53719) AND WICA (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. ALPINE ENGINEERED PRODUCTS, 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 ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (W/H/S/A) ASTM A653 GRADE 40/50 (W/K/H/S) 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 ID SHALL BE PER ANNEX 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 ANSI/TPI 1 SEC. 2.

BEARING BLOCK NAIL SPACING DETAIL

MAXIMUM NUMBER OF NAIL LINES PARALLEL TO GRAIN

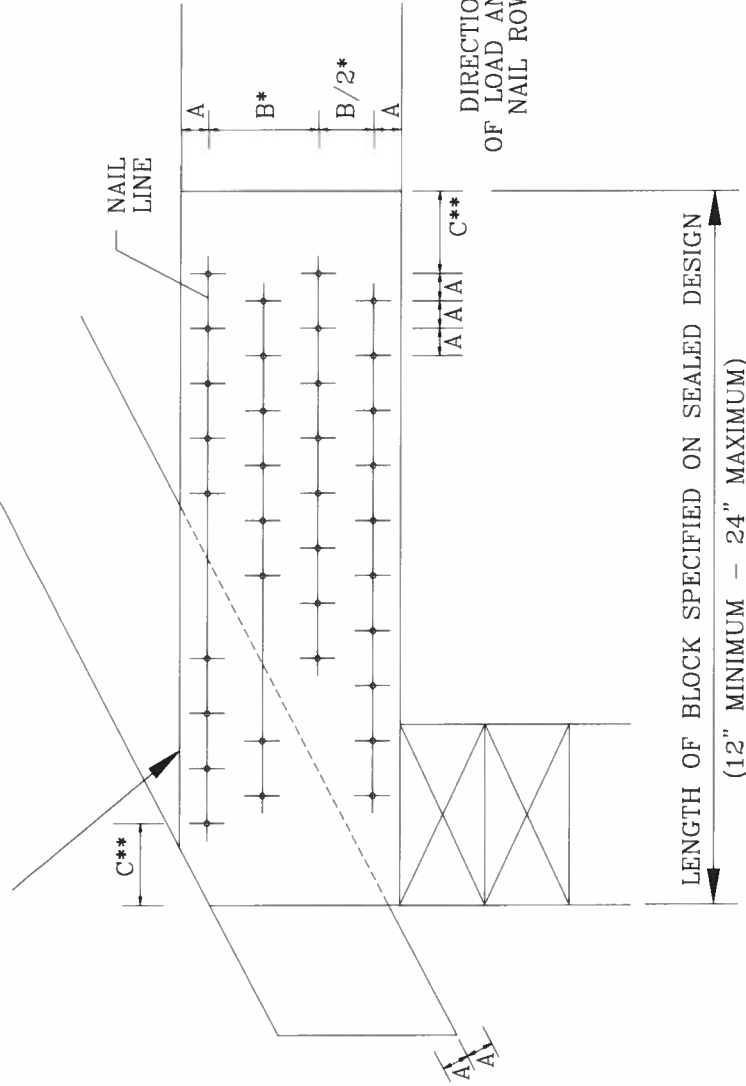
MINIMUM SPACING FOR SINGLE BEARING BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

- 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 (F_c -perp) IS AT LEAST THAT OF THE CHORD.



NAIL TYPE	CHORD SIZE					
	2X4	2X6	2X8	2X10	2X12	
8d BOX (0.113"x2.5")	3	6	9	12	15	
10d BOX (0.128"x3")	3	5	7	10	12	
12d BOX (0.128"x3.25")	3	5	7	10	12	
16d BOX (0.135"x3.5")	3	5	7	10	12	
20d BOX (0.148"x4")	2	4	5	6	8	
8d COMMON (0.131"x2.5")	3	5	7	10	12	
10d COMMON (0.148"x3")	2	4	6	8	10	
12d COMMON (0.148"x3.25")	2	4	6	8	10	
16d COMMON (0.162"x3.5")	2	4	6	8	10	
0.120"x2.5" GUN	3	6	8	11	14	
0.131"x2.5" GUN	3	5	7	10	12	
0.120"x3.0" GUN	3	6	8	11	14	
0.131"x3.0" GUN	3	5	7	10	12	

MINIMUM NAIL SPACING DISTANCES

NAIL TYPE	DISTANCES		
	A	B*	C**
8d BOX (0.113"x2.5")	3/4"	1 3/8"	1 3/4"
10d BOX (0.128"x3")	7/8"	1 5/8"	2"
12d BOX (0.128"x3.25")	7/8"	1 5/8"	2"
16d BOX (0.135"x3.5")	7/8"	1 5/8"	2 1/8"
20d BOX (0.148"x4")	1"	1 7/8"	2 1/4"
8d COMMON (0.131"x2.5")	7/8"	1 5/8"	2"
10d COMMON (0.148"x3")	1"	1 7/8"	2 1/4"
12d COMMON (0.148"x3.25")	1"	1 7/8"	2 1/4"
16d COMMON (0.162"x3.5")	1"	2"	2 1/2"
0.120"x2.5" GUN	3/4"	1 1/2"	1 7/8"
0.131"x2.5" GUN	7/8"	1 5/8"	2"
0.120"x3.0" GUN	3/4"	1 1/2"	1 7/8"
0.131"x3.0" GUN	7/8"	1 5/8"	2"

THIS DRAWING REPLACES DRAWING B139 AND CNBRGBLK0699

ALPINE

ENGINEERED PRODUCTS, INC.

POMPANO BEACH, FLORIDA

SEP 22 2006

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 52212

JAMES B. COAKINS, JR.

LICENSE

REF BEARING BLOCK

DATE 11/26/03

DRWG CNBRGBLK1103

-ENG SJP/KAR

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'ONOFRIO DR., SUITE 200, MADISON, VT 53719) AND WTCA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, MADISON, VT 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. ALPINE ENGINEERED PRODUCTS, 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. ALPINE CONNECTOR PLATES ARE MADE OF 2018/16GA (W/H/S/K) ASTM A653 GRADE 40/60 (W/K/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED BY AFR&PA, DESIGN, DESIGNER, OR TPI. PROTECT ALL TRUSS MEMBERS FROM DAMAGE. THE 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

ENGINEERED PRODUCTS, INC.

POMPANO BEACH, FLORIDA

SEP 22 2006

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 52212

JAMES B. COAKINS, JR.

LICENSE