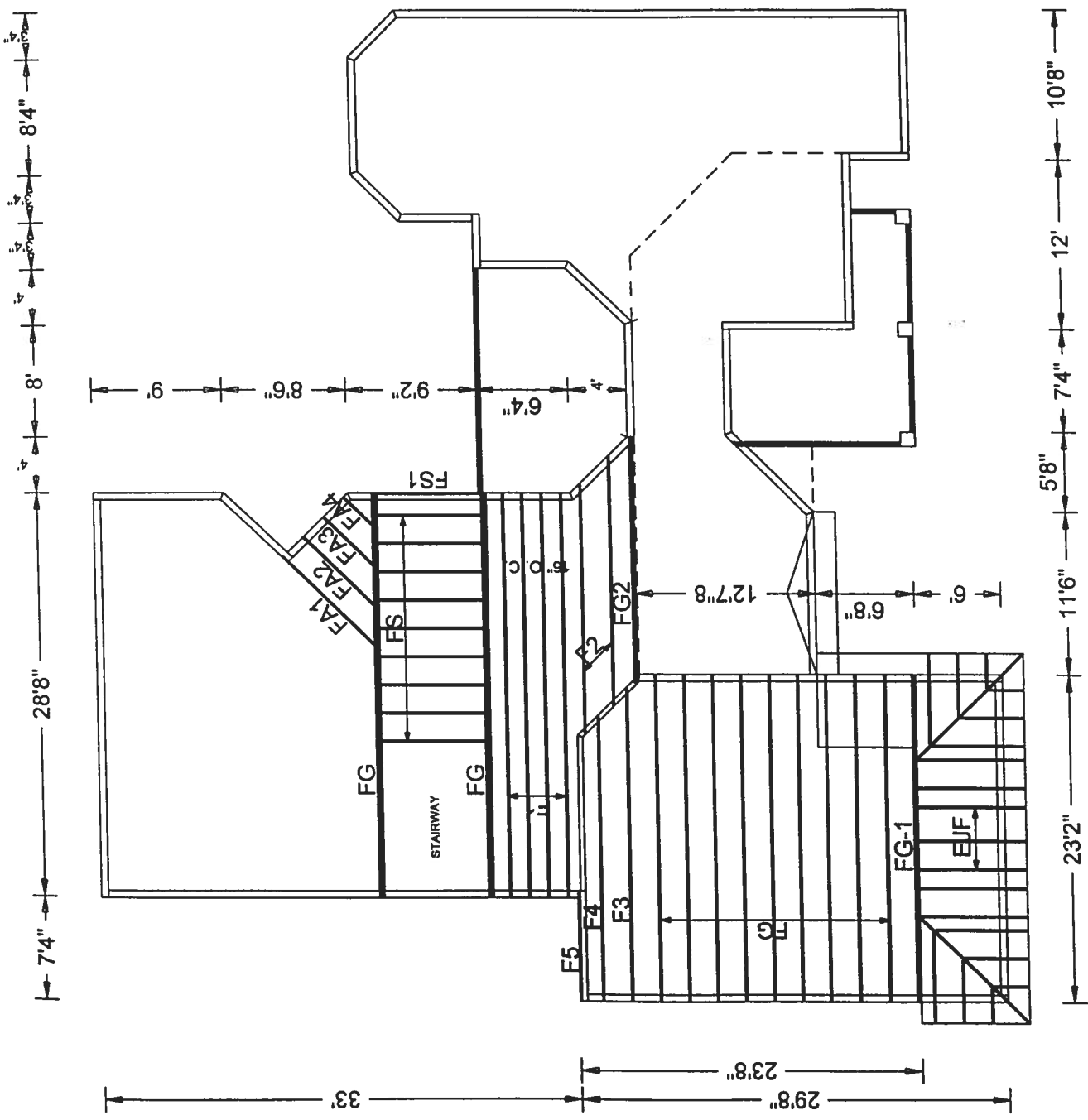


JOB NO: 556	DESIGNED BY:	JOB DESCRIPTION: AARON SIMQUE/STEPHENS	JOB LOCATION:
PAGE NO: 1 OF 1			



SIMQUE CONST/STEPHENS
FLOOR

Alpine Engineered Products, Inc.

1950 Marley Drive Haines City, FL 33844 (863) 422-8685

Florida Engineering Certificate of Authorization Number: 567

Page 1 of 1 Document ID:1S9K487-20215084413

Truss Fabricator: Anderson Truss Company

Job Identification: 556A-AARON SIMQUE/STEPHENS-ROOF (556A|-AARON SIMQUE/STEPHENS-ROOF)

Truss Count: 59

Model Code: Florida Building Code 2001

Truss Criteria: ANSI/TPI-1995(STD)/FLBC

Engineering Software: Alpine Software,Version 19.633.

Structural Engineer of Record:

Address:

Minimum Design Loads: Roof - 40 PSF @ 1.25 Duration

Floor - N/A

Wind - 110 MPH ASCE-98 -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 1-1995 Section 2.2
2. The seal date shown on the individual truss component drawings must match the seal date on this index sheet.
3. As shown on attached drawings; the drawing number is preceded by: HCUSR487

Seal Date: 01/15/2004

-Truss Design Engineer-

Manuel Martinez

Florida License Number: 47182

1950 Marley Drive

Haines City, FL 33844

Details: BRCLBSUB

#	Ref	Description	Drawing#	Date
1	10254--H7A		04015032	01/15/04
2	10255--AH1		04015033	01/15/04
3	10256--H9A		04015022	01/15/04
4	10257--H11A		04015023	01/15/04
5	10258--H13A		04015034	01/15/04
6	10259--AC		04015024	01/15/04
7	10260--AC1		04015035	01/15/04
8	10261--A		04015025	01/15/04
9	10262--AH5		04015026	01/15/04
10	10263--AH4		04015027	01/15/04
11	10264--AH3		04015028	01/15/04
12	10265--AH2		04015029	01/15/04
13	10266--H7B		04015036	01/15/04
14	10267--H9B		04015037	01/15/04
15	10268--HS21B		04015038	01/15/04
16	10269--HS19B		04015039	01/15/04
17	10270--HS11B		04015040	01/15/04
18	10271--HS13B		04015041	01/15/04
19	10272--HS15B		04015042	01/15/04
20	10273--HS17B		04015043	01/15/04
21	10274--BS		04015044	01/15/04
22	10275--B2		04015045	01/15/04
23	10276--B1		04015046	01/15/04
24	10277--H7C		04015047	01/15/04
25	10278--H7C1		04015048	01/15/04
26	10279--C		04015030	01/15/04
27	10280--CF		04015049	01/15/04
28	10281--H5D		04015050	01/15/04
29	10282--D		04015051	01/15/04
30	10283--H7D		04015052	01/15/04
31	10284--D-1		04015053	01/15/04
32	10285--H5E		04015054	01/15/04
33	10286--H7E		04015055	01/15/04
34	10287--E-1		04015056	01/15/04
35	10288--CJ1		04015057	01/15/04
36	10289--CJ3		04015058	01/15/04
37	10290--CJ5		04015059	01/15/04
38	10291--EJ7		04015060	01/15/04

#	Ref	Description	Drawing#	Date
39	10292--HJ7		04015061	01/15/04
40	10293--HJ2		04015062	01/15/04
41	10294--H3M		04015063	01/15/04
42	10295--CJ2		04015064	01/15/04
43	10296--CJ1D		04015065	01/15/04
44	10297--HJ5D		04015066	01/15/04
45	10298--H3D		04015067	01/15/04
46	10299--CJ3D		04015068	01/15/04
47	10300--EJ5D		04015069	01/15/04
48	10301--MGE		04015070	01/15/04
49	10302--HJE		04015071	01/15/04
50	10303--HJ1E		04015072	01/15/04
51	10304--CS		04015031	01/15/04
52	10305--M-2		04015073	01/15/04
53	10306--M-1		04015074	01/15/04
54	10307--H2L		04015075	01/15/04
55	10308--L-1		04015076	01/15/04
56	10309--MC		04015077	01/15/04
57	10310--MC		04015078	01/15/04
58	10311--H23BP		04015079	01/15/04
59	10312--BP		04015080	01/15/04



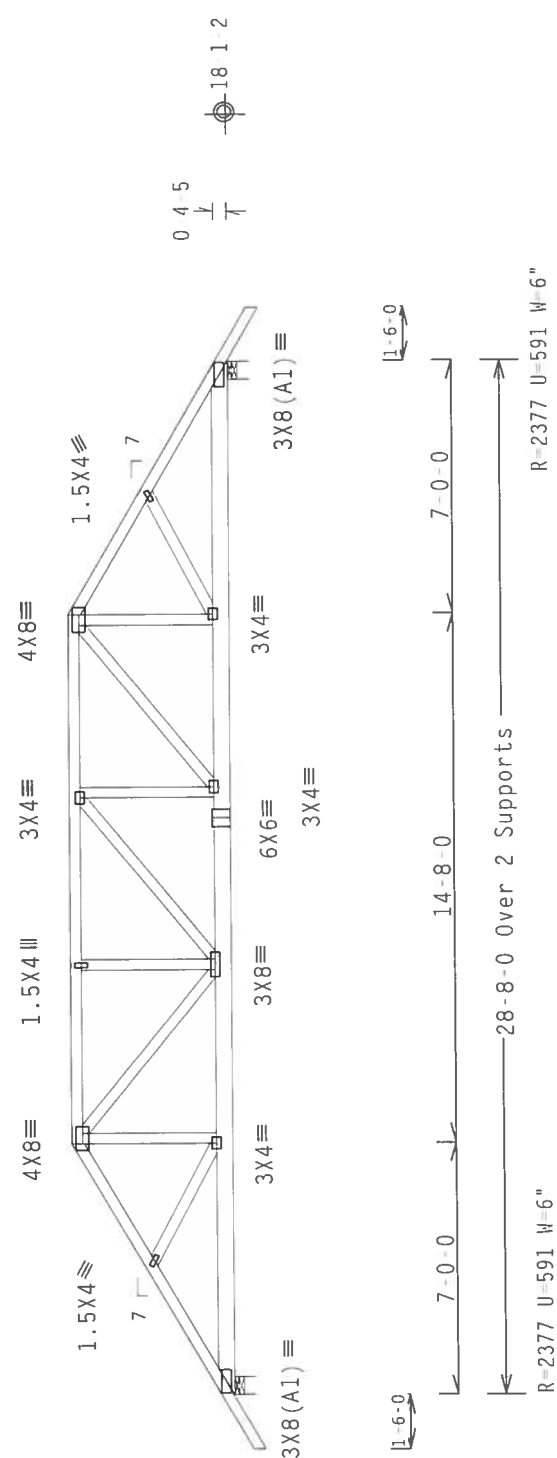
(556A AARON SIMONE/STEPHENS ROOF 10254 - H7A)

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

110 mph wind, 20.06 ft mean hgt, ASCE 7 98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

#1 hip supports 7 0 0 jacks with no webs.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

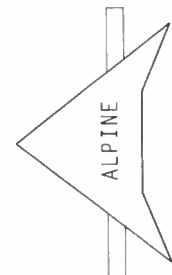
Design Crit: TPI-1995(STD)/FLBC

19.0

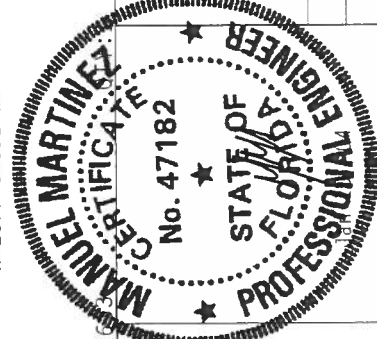
FL/-4/-/-R/-

Scale = .1875"/Ft.

REF	R487--	10254
DATE	01/15/04	
DRW	HCUSR487	04015032
HC-ENG	JB/MMA	
SEQN	64481	
TOT.LD.	40.0 PSF	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1S9K487_Z02	



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



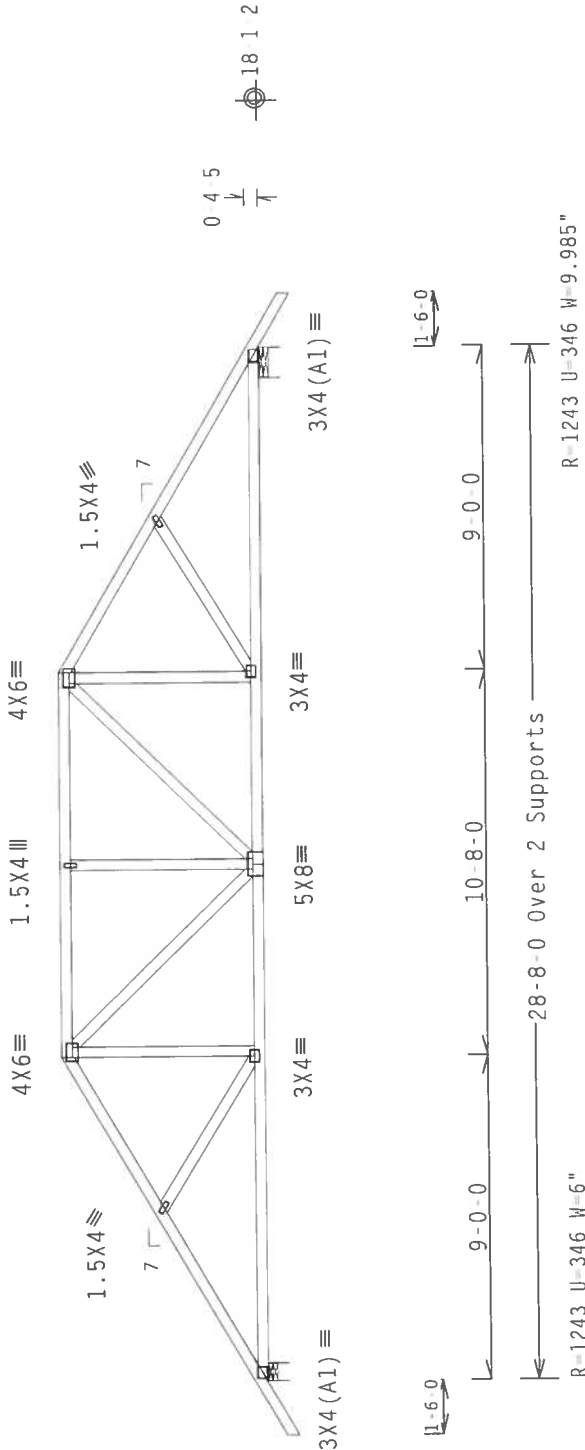
****WARNING**** TRUSSES REQUIRING EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGNER'S SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE FABRICATOR. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSSES BEING SHIPPED TO THE SITE IN A MANNER THAT WILL PROTECT THEM FROM DAMAGE. THE FABRICATOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED INSULATION. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSSES BEING SHIPPED TO THE SITE IN A MANNER THAT WILL PROTECT THEM FROM DAMAGE. THE FABRICATOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED INSULATION.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE INSTALLATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRUSSES BEING SHIPPED TO THE SITE IN A MANNER THAT WILL PROTECT THEM FROM DAMAGE. THE FABRICATOR SHALL BE RESPONSIBLE FOR THE TRUSSES BEING SHIPPED TO THE SITE IN A MANNER THAT WILL PROTECT THEM FROM DAMAGE. THE FABRICATOR SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED INSULATION.

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 20.64 ft mean hgt, ASCE 7 98, 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.



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)

19.0

FL/- /4/- /- /R/-

Scale = .1875"/Ft.

REF	R487 -	10256
DATE	01/15/04	
DRW	HCUSR487	04015022
HC-ENG	JB/MMA	
SEQN	64487	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1S9K487	202

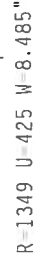
MANUEL MARTINEZ
CERTIFICATE OF
No. 47182
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

ALPINE
Alpine Engineered Products, 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 PRACTICES FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. 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 AISC (NATIONAL DESIGN SPEC. BY AISC) AND TPI. ALL THE CONNECTOR PLATES AND LATHS OF 20/10/16GA. (20/10/16GA) WITH AISC GRADE 40/60 (40/60 (40/60) GRADE 40/60) SHALL BE INSPECTED BY EACH FACE OF TRUSS. AND, UNLESS OTHERWISE LOCATED OR OTHERWISE INDICATED, A SEAL ON THIS DRAWING INDICATES THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC 7.

110 mph wind, 21.22 ft mean hgt, ASCE 7 98, 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.

Deflection meets L/360 live and L/240 total load.



19

20.0 PSF

DATE 01/15/04

0001 110100407 0101E033

[illegible]

אור רותם/אור רותם

40.0

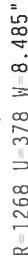
OUR.FAC. 1.25

JREF- 1S9K487_Z02



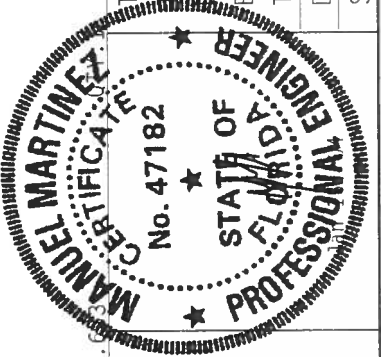
110 mph wind, 22.20 ft mean hgt., ASCE 7 98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Webs 2x4 SP #3

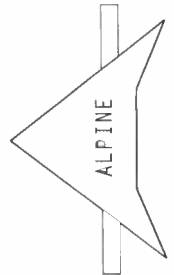


Scale = .1875"/Ft.

TC LL	20.0 PSF	REF	R487 -- 10260
C DL	10.0 PSF	DATE	01/15/04
C DL	10.0 PSF	DRW	HCUSR4B7 04015035
BC LL	0.0 PSF	HC ENG	JB/MMA
TOT.LD.	40.0 PSF	SEQN-	64545
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1S9K487_z02



***IMPORT NOTE:** PURCHASER & COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALTHOUGH ENGINEERED PROVISIONS ARE SHOWN, THEY ARE NOT RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE DESIGN IN CONFORMANCE WITH THE OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, TRUSS COMPONENTS WITH APPLICABLE PROVISIONS OF AISC (ALLOWABLE DESIGN SPEC., BY AISC) AND TPI. CONNECTOR PLATES ARE MADE OF 20/10/10G. (U.S.A.) ASTM A575 GRADE 40/60 (U.S.A.) GALV. STEEL. APPLY TO PLATES TO EACH FACE OF TRUSS AND, (ENGINEER'S OFFICE LOCATED ON THE POSITION OF DRAWINGS FOR 20/10/10G). ANY INSPECTION OF PLATES FOLLOWED BY (I) SHALL BE THE USER'S RESPONSIBILITY TO VERIFY THE TRUSS COMPONENT OPERATING INDICATORS ACCEPTABLE TO THE USER'S DESIGN. THE USER SHALL BE SOLELY RESPONSIBLE FOR THE BUILDING SHOWN. THE USER MUST USE IN THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNED PER AISC/TPI 1 SEC. 2.



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

110 mph wind, 22.20 ft mean hgt, ASCE 7 98, 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.

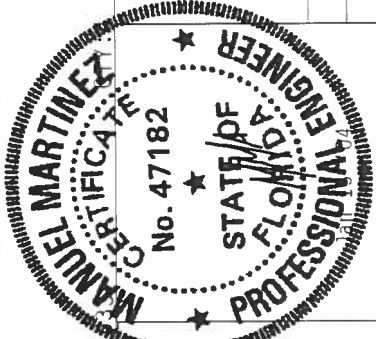
Deflection meets L/360 live and L/240 total load.



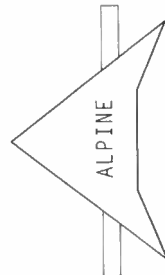
19

Scale = .1875"/Ft.

TC LL	20.0 PSF	REF R487-- 10261
TC DL	10.0 PSF	DATE 01/15/04
BC DL	10.0 PSF	DRW HCUR487 04015025
BC LL	0.0 PSF	HC-ENG JB/MMA *
TOT.LD.	40.0 PSF	SEQN- 64550
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1S9K487_Z02

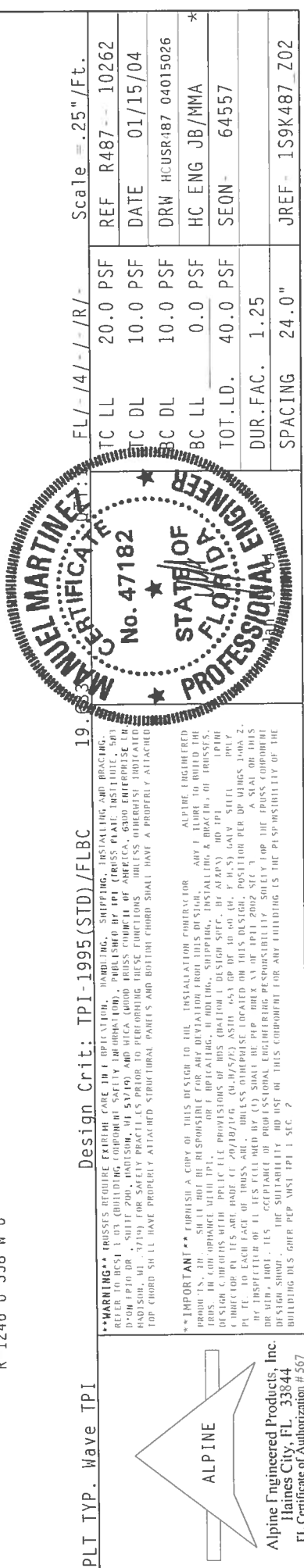


*WARNING** TRUSSES ACQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DECS 1-03 (BUILDING COMPONENT SAFETY INFORMATION), AND VICA (WOOD TRUSS COUNCIL OF AMERICA, 6700 ENTERPRISE DRIVE, HOUSTON, TX, SUITE 200, HADIS00, MI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSSES MUST BE PROPERLY ATTACHED TO THE CHORD SHALL HAVE PROPERLY ATTACHED STRUTURAL PANELS AND BUTT JOINT SHALL HAVE PROPERLY ATTACHED

[illegible]

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

110 mph wind, 21.68 ft mean hgt, ASCE 7 98, 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.



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
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
86

Scale = .25" / Ft.

TC 11 20.0 PSF

RFF R487-10262

DATE 01/15/04

DATE 01/13/04

DRW HCUSR487 04015026

HC ENG JB/MMA

SEON- 64557

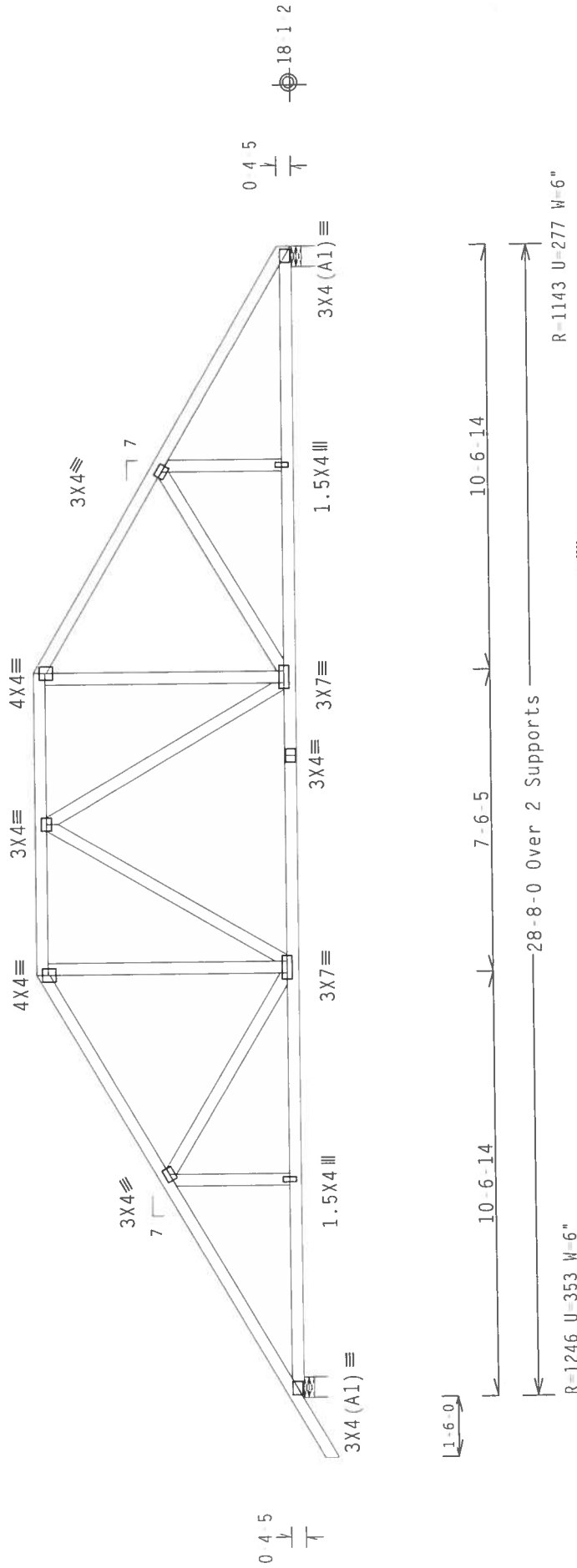
15340 MB7C

JREF- 1S9K487_Z02

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 21.10 ft mean hgt, ASCE 7 98, 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.

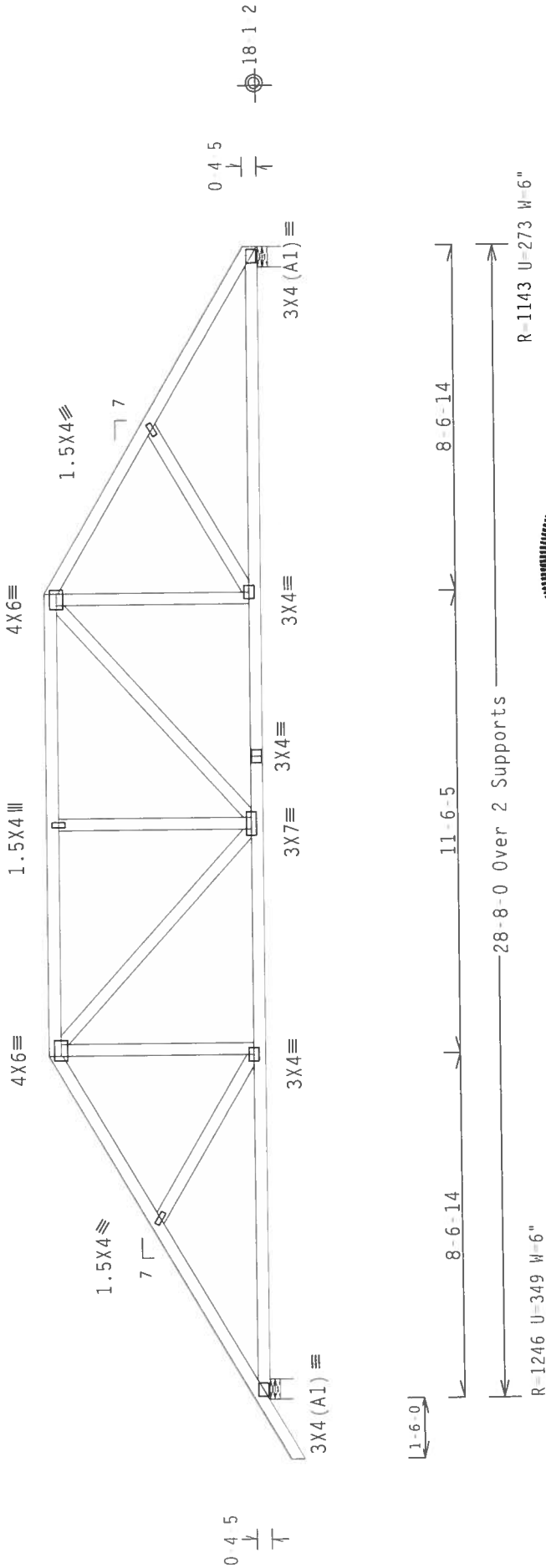


PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FLBC	19.0	FL/-4/-/-R/-	Scale = .25" / Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES (ENR 10/1/98) FOR SAFETY INFORMATION. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5810 ORCHARD DR., SUITE 100, HADISON, NJ 07719) AND WEA (WOOD TRUSS COUNCIL OF AMERICA, 600 ENTERPRISE LN., SUITE 100, WILMINGTON, NC 28403) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL DIMENSIONS SHALL BE IN FEET AND INCHES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRACING SYSTEM.				REF R487 -- 10263
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 AND BRACING OF TRUSSES. DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF THIS (OPTIONAL) DESIGN SPEC. BY ALPINE AND TPI. APPLY CONNECTOR PLATES ARE PART OF 2010/10/04 (4-11/03) ASH 5053 GRADE 40/50 DESIGN. PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (OPTIONAL) ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPONENT DESIGNER'S USE. ALL DIMENSIONS SHALL BE IN FEET AND INCHES. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF THE DESIGN. THE DESIGNER'S RESPONSIBILITY IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AMSE/PTI 1 SEC. 2.				DATE 01/15/04
				DRW HCUSR487 04015027
				HC-ENG JB/MMA
				SEQN - 64564
				TOT.LD. 40.0 PSF
				DUR.FAC. 1.25
				SPACING 24.0"
				JREF- 1S9K487_Z02

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

Deflection meets L/360 live and L/240 total load.

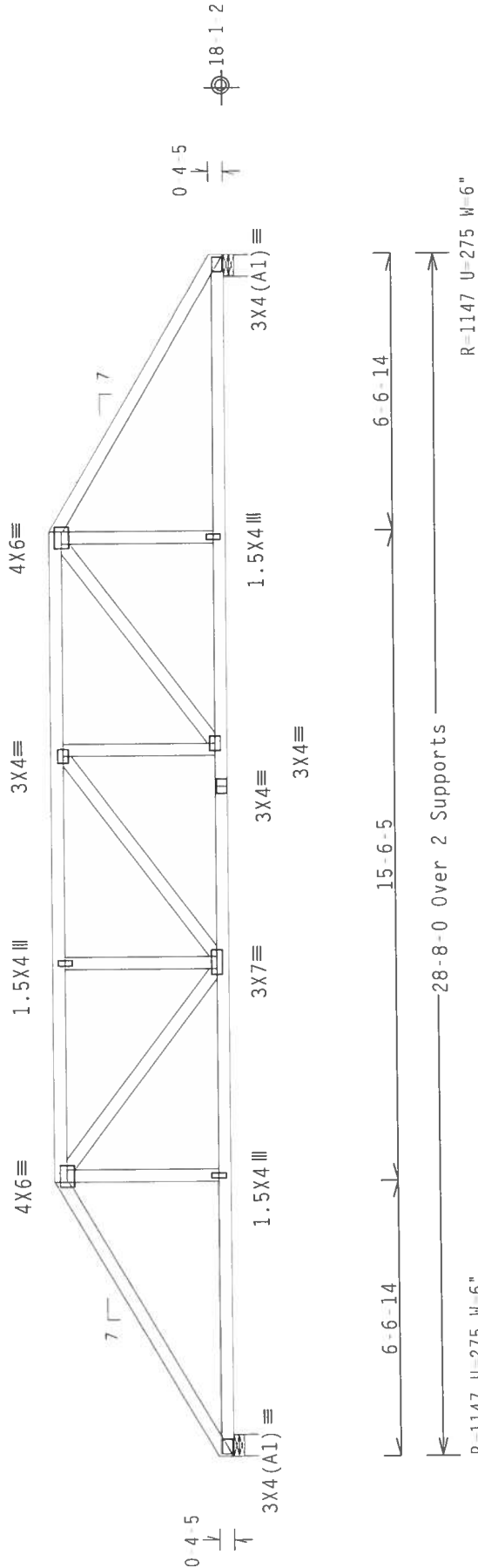
110 mph wind, 20.51 ft mean hgt, ASCE 7 98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.



PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FLBC	19.0	FL/-4/-/-/R/-	Scale = .25"/Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND UNLOADING. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER.				REF R487 - 10264
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER. ANY FAILURE TO BUILD THE TRUSSES IN ACCORDANCE WITH THE DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLER.				DATE 01/15/04
ALPINE ENGINEERED PRODUCTS, INC. HAINES CITY, FL 33844 FL Certificate of Authorization # 567				DRW HCUSR487 04015028
ALPINE ENGINEERED PRODUCTS, INC. HAINES CITY, FL 33844 FL Certificate of Authorization # 567				HC-ENG JB/MMA
ALPINE ENGINEERED PRODUCTS, INC. HAINES CITY, FL 33844 FL Certificate of Authorization # 567				SEQN 64569
ALPINE ENGINEERED PRODUCTS, INC. HAINES CITY, FL 33844 FL Certificate of Authorization # 567				TOT.LD. 40.0 PSF
ALPINE ENGINEERED PRODUCTS, INC. HAINES CITY, FL 33844 FL Certificate of Authorization # 567				DUR.FAC. 1.25
ALPINE ENGINEERED PRODUCTS, INC. HAINES CITY, FL 33844 FL Certificate of Authorization # 567				SPACING 24.0"
ALPINE ENGINEERED PRODUCTS, INC. HAINES CITY, FL 33844 FL Certificate of Authorization # 567				JREF - 1S9K487_Z02

110 mph wind, 20.37 ft mean hgt, ASCE 7 98, 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.

Deflection meets L/360 live and L/240 total load.



FL/-/4/-/-/R/-

Scale = .25"/Ft.

[illegible]

(556A AARON SIMQUE/STEPHENS ROOF 10266 H7B)

Top chord 2x6 SP #2 : T1 2x4 SP #2 Dense:
Bot chord 2x6 SP #2
Webs 2x4 SP #3 : W9 2x4 SP #2 Dense:

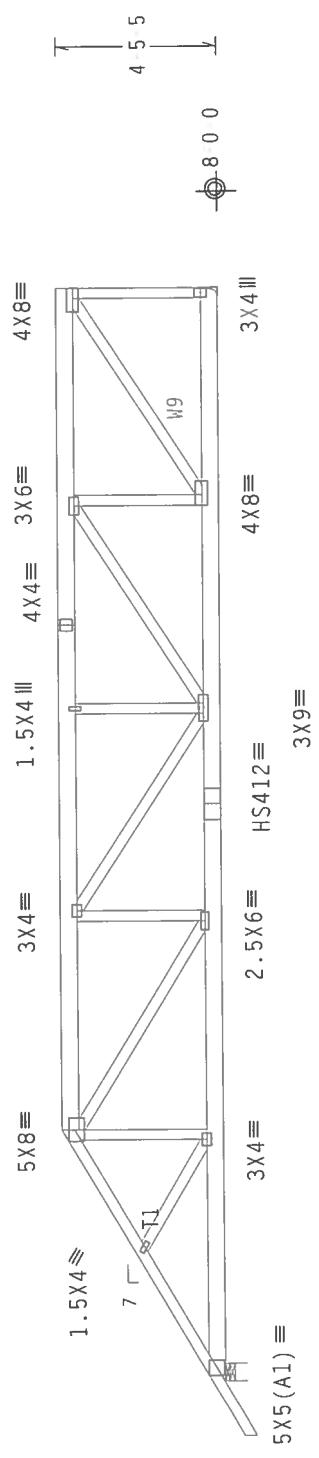
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

110 mph wind, 15.00 ft mean hgt, ASCE 7 98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

#1 hip supports 7 0 0 jacks with no webs.

Deflection meets L/360 live and L/240 total load.



11-6-0

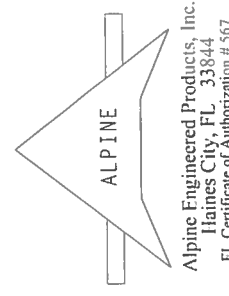
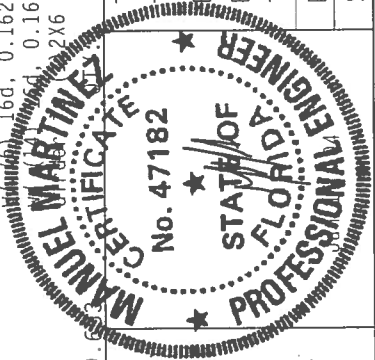
7-0-0

23-4-0

30-4-0 Over 2 Supports

R=2506 U=474 W=6"
R=2578 U=462 H=Simpson HUS26
W9, 0.162"x2.5" nails in Truss
0.162"x2.5" nails in Girder
2X6 min. So.Pine

PLT TYP. 20 Gauge HS, Wave TPI	Design Crit: TPI-1995(STD)/FLBC	19.8	FL/-/4/-/-R/-	Scale = .1875"/Ft.
WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR TRUSS FABRICATION, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI-1995(STD) 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.				REF R487-- 10266
IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. TRUSSES IN CONFORMANCE WITH TPI-1995(STD) 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.				DATE 01/15/04
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI-1995(STD) 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.				DRW HCUSR487 04015036
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI-1995(STD) 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.				HC-ENG JB/MMA
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI-1995(STD) 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.				SEQN- 64462
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI-1995(STD) 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.				DUR.FAC. 1.25
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI-1995(STD) 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.				SPACING 24.0"
ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH TPI-1995(STD) 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.				JREF- 1S9K487 Z02

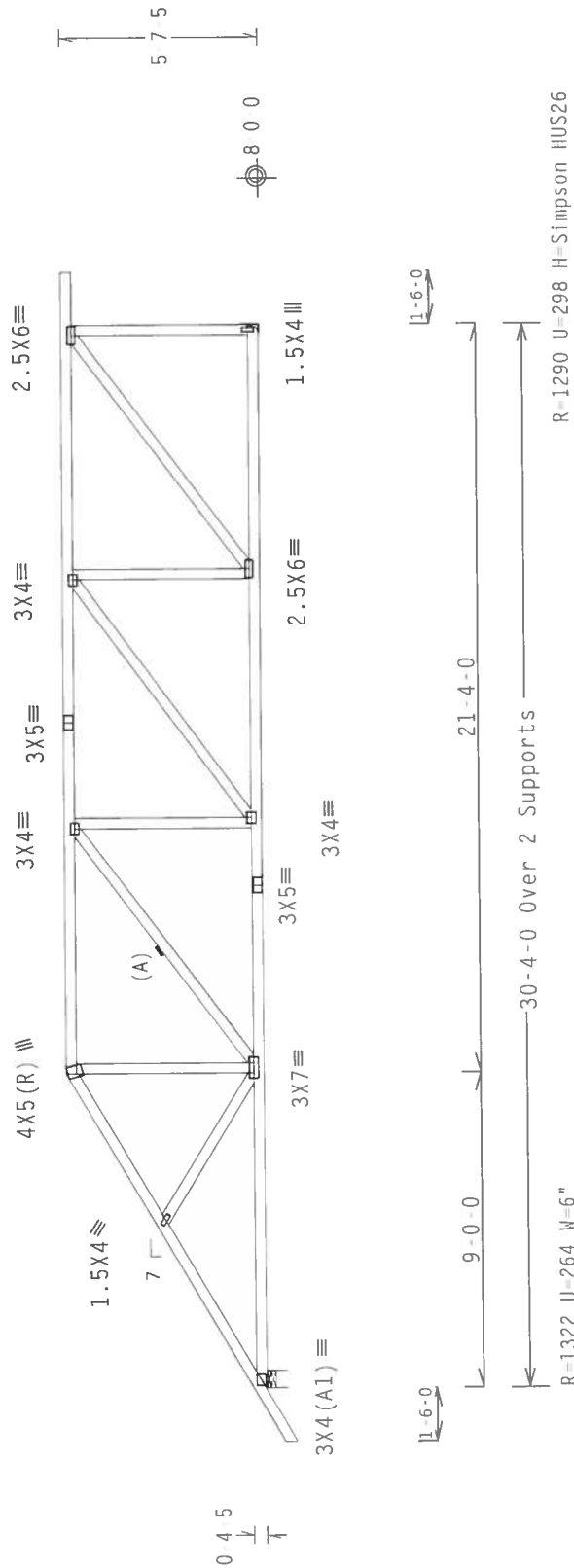


110 mph wind, 10.55 ft mean hgt, ASCE 7-98, CLOSED bldg, not located within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.



R-1290 U=298 H=Simpson HUS26

Common, 0.148"x3.0" nails in Truss
Common, 0.148"x3.0" nails in Girder
2X6 min. So.Pine

PLT TYP. Wave TPI



Alpine Engineered Products, Inc.
Haines City, FL 33844

Design Crit: TPI-1995(STD)/FLBC

19.65

Scale = .1875" / Ft.

****WARNING**** THESE BECOME EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST AVAILABLE COMPONENT SELLER INFORMATION. PUBLISHED BY TPI CROSS PLATE INSTITUTE, 583 DUNDON BLVD., SUITE 200, MADISON, MI 48120, AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6500 ENTERPRISE DR., DUNDON BLVD., SUITE 200, MADISON, MI 48120) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PARTS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE PRODUCTS, THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY INSTALLATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE PRODUCTS, THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY INSTALLATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE PRODUCTS, THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY INSTALLATION FROM THIS DESIGN.

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

REF R487 - - 10267

DATE 01/15/04

DRW HCUSR487 04015037

HC-ENG JB/MMA

SEQN- 64680

JREF- 1S9K487 Z02

110 mph wind, 17.76 ft mean hgt, ASCE 7-98, 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.

Right end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.



$R=863$ $l=298$ $W=3.5$

W/ (4) 10d ~~Common~~ 1 5" nails in Truss
W/ (6) 10d ~~Common~~ 1 5" nails in Girder

Scale = .25"/Ft.

PLT TYP. Wave TPI



ALPINE

Alpine Engineering Products, Inc.
Haines City, FL 33844

Design Crit: IPT-1995(S)U/FLEBC 19.0

****WARNING**** THESE PREPARE EXISTING CARL IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRAGING. AFTER THESE BUILDING COMPONENTS SAFETY INFORMATION, PUBLISHED BY IPTI (MISSISSIPPI PLATE INSTITUTE, 814 RIVERVIEW DR., SUITE 200, HAWTHORNE, NJ 07095), AND APCA (WOOD PRODUCT CODES OF AMERICA, 6300 ENTERPRISE LN, HAWTHORNE, NJ 07095), 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

****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 PRESS IN CONFORMANCE WITH IPTI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & DRAGING OF TRUSSES, DESIGN COMPONENTS WITH APPLICABLE PROVISIONS OF AOS (NATIONAL DESIGN SPEC. BY ACPA) AND IPTI, ALPINE CONNECTOR PLATES ARE MADE OF 2024/T36GA (ALUMINUM) A536 GRADE 40/60 (IN. W/IN) GALV. STEEL. PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AT OR 1001 2002 SEC 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SIGNED BY THE AOS CONTRACTOR DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER APCA/IPTI 1 SEC. 2.



REF	R487 - -	10268	TC LL	20.0	PSF
DATE	01/15/04		C DL	10.0	PSF
DRW	HCUSR487	04015038	C DL	10.0	PSF
HC-ENG	JB/MMA		BC LL	0.0	PSF
SEQN-	64709		TOT.LD.	40.0	PSF
DUR.FAC.	1.25				
SPACING	24.0"				
JREF-	1S9K487_Z02				

(556A) AARON SIMQUE/STEPHENS ROOF 10269 HS198)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 :W1 2x6 SP #2:

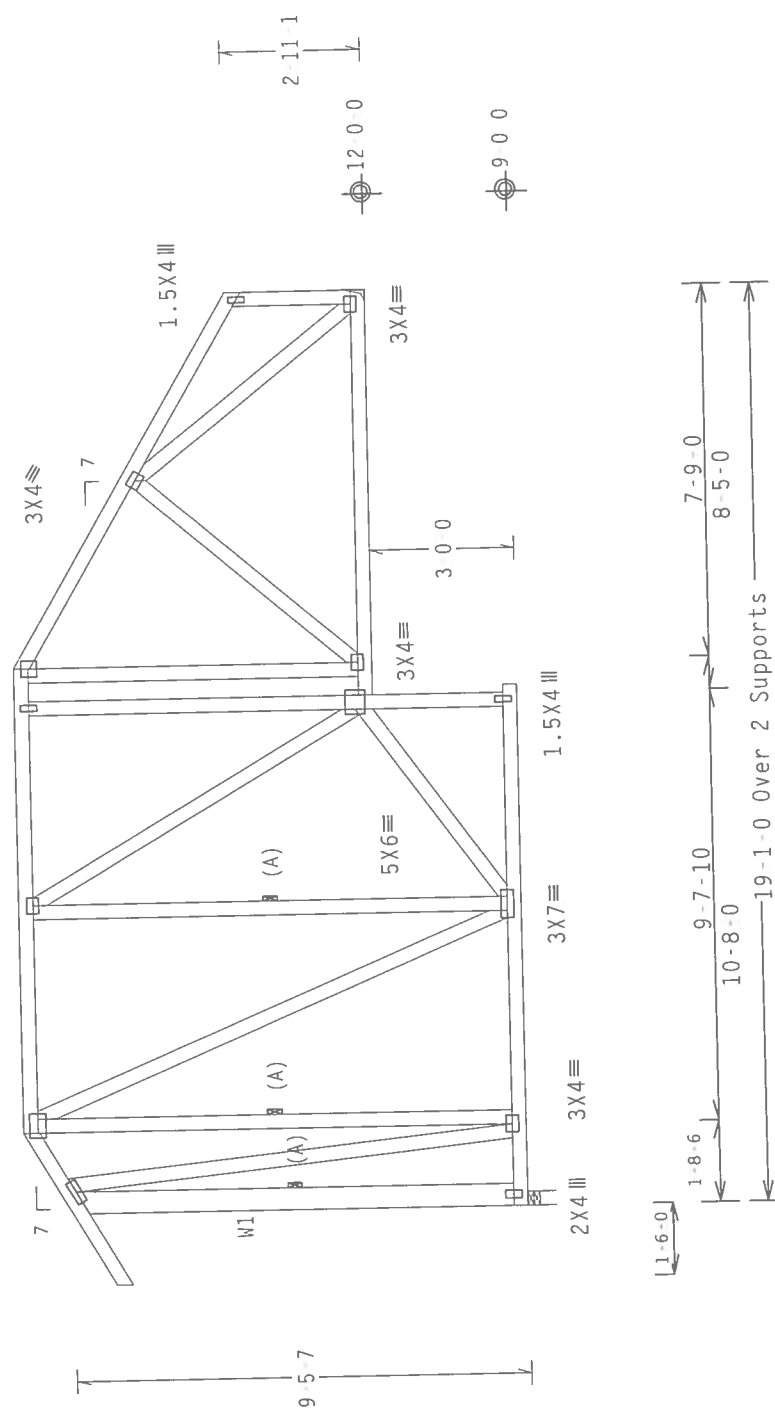
Left end vertical exposed to wind pressure. Deflection meets L/240
criteria for brittle and flexible wall coverings.
(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.
2.5X6 4X6 3X4 1.5X4 III 4X4 III

110 mph wind, 17.18 ft mean hgt, ASCE 7-98, 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.

Right end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and
calculations. Conditions may exist that require different connections than
indicated. Refer to manufacturer publication for additional information.

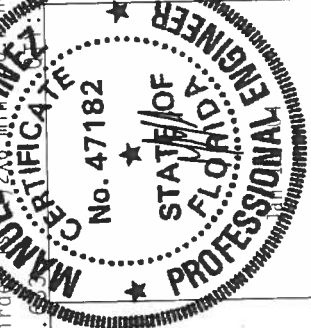


R-863 U=293 W=3.5"

R 760 U 242 H=Simpson LU26
w/ (4) 10d nails in Truss
w/ (6) 10d nails in Girder
Girders 2x8 III

Scale = .25" / Ft.

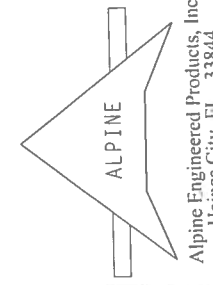
REF	R487	-	10269
DATE	01/15/04		
DRW	HCUSR487	04015039	
HC-ENG	JB/MMA		
SEQN	64803		
TOT.LD.	40.0	PSF	
DUR.FAC.	1.25		
SPACING	24.0"		
JREF	1S9K487	Z02	



Design Crit: TPI-1995(STD)/FLBC

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. THE USER SHALL BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSSES. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSSES. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSSES.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSSES. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSSES. THE USER SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE TRUSSES.



110 mph wind, 15.43 ft mean hgt, ASCE 7-98, 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.

Right end vertical not exposed to wind pressure.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections indicated. Refer to manufacturer publication for additional information.

calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



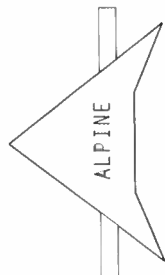
17 4 0
15 1 6
19 1 0 Over 2 Supports
3 11 10
1 9 0

R 760 U 230 H Simpson LU26
10d, 0.148"x1.5" nails in Truss
16d, 0.162"x2.5" nails in Girder
2X6 min. So.Pine

Design Crit: TPI-1995(STD)/FLBC

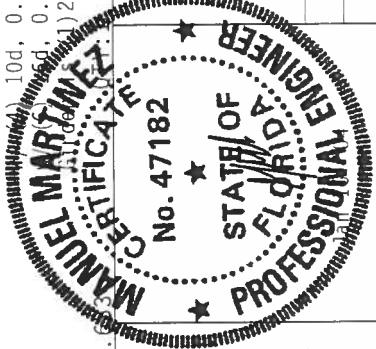
Scale = .3125"/Ft.

TC LL	20.0 PSF	REF	R487--	10271
C DL	10.0 PSF	DATE	01/15/04	
C DL	10.0 PSF	DRW	HCUSR487	04015041
BC LL	0.0 PSF	HC-ENG	JB/MMA	
TOT.LD.	40.0 PSF	SEQN-	64692	
DUR.FAC.	1.25			
SPACING	24.0"	JREF-	1S9K487	Z02



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

FL Certificate of Authorization # 567



Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Lt Bearing Leg 2x8 SP SS:

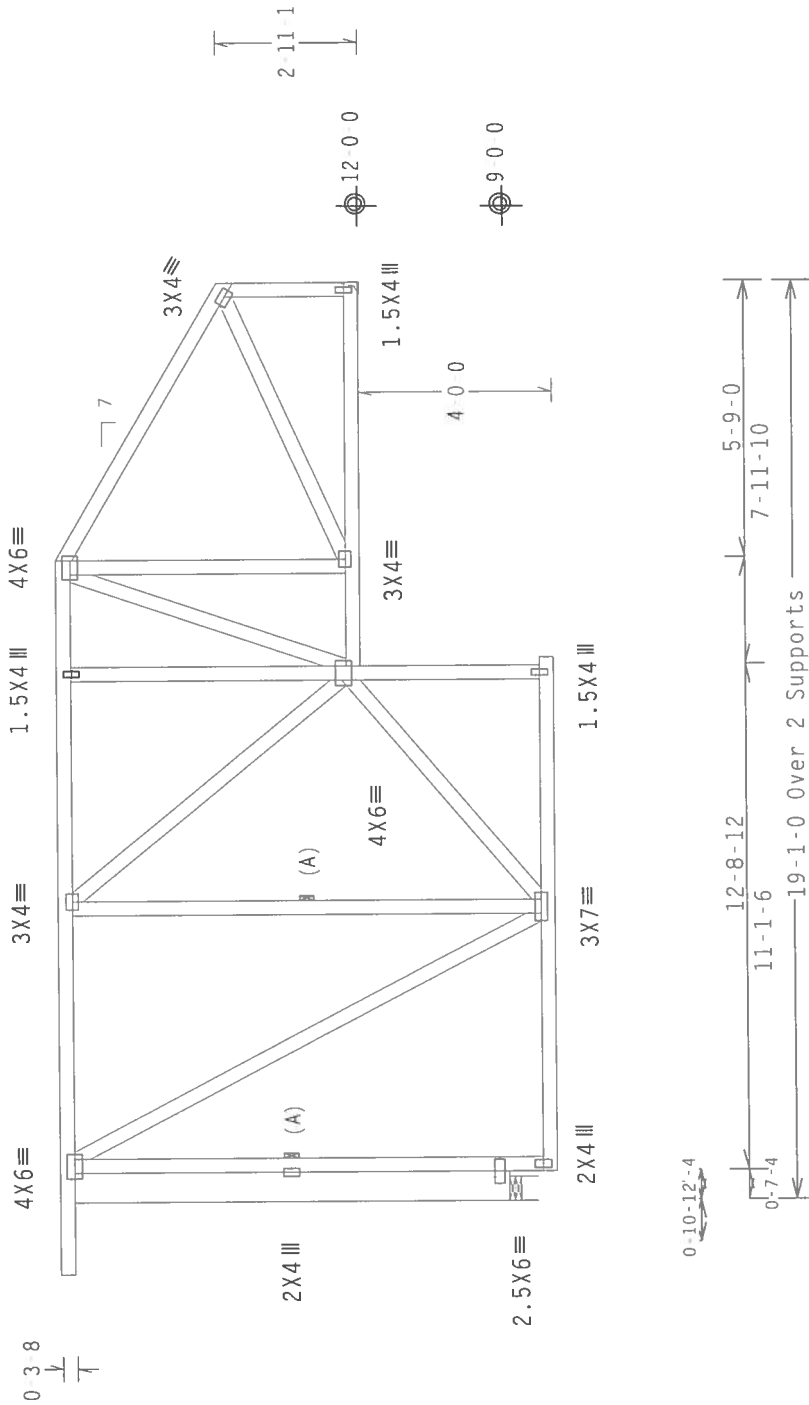
H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

110 mph wind, 16.60 ft mean hgt, ASCE 7 98, 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.

Right end vertical not exposed to wind pressure.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.



R=742 U 180 H Simpson LU26
w/ (4) 10d nails in Truss
w/ (6) 10d nails in Girder
Girder
Scale = .25\"/>



PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FLBC	19.5	FL/-/4/-/R/-	Scale = .25\"/>
		20.0 PSF	TC LL	REF R487 - - 10273
		10.0 PSF	TC DL	DATE 01/15/04
		10.0 PSF	BC DL	DRW HCUSR487 04015043
		0.0 PSF	BC LL	HC-ENG JB/MMA
		40.0 PSF	TOT.LD.	SEQN- 64706
		1.25	DUR.FAC.	
		24.0\"/>	SPACING	JREF - 1S9K487_Z02

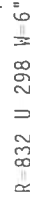
ALPINE
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

ALPINE

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

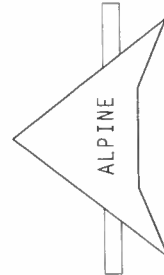
Left end vertical exposed to wind pressure. Deflection meets L/240 criteria for brittle and flexible wall coverings.

Deflection meets L/360 live and L/240 total load.



Scale = .25"/Ft.

TC LL	20.0	PSF	REF	R487 - -	10274
TC DL	10.0	PSF	DATE	01/15/04	
BC DL	10.0	PSF	DRW	HCUSR487	04015044
BC LL	0.0	PSF	HC-ENG	JB/MMA	
TOT.LD.	40.0	PSF	SEQN-	64795	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1S9K487_Z02	



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

[illegible]

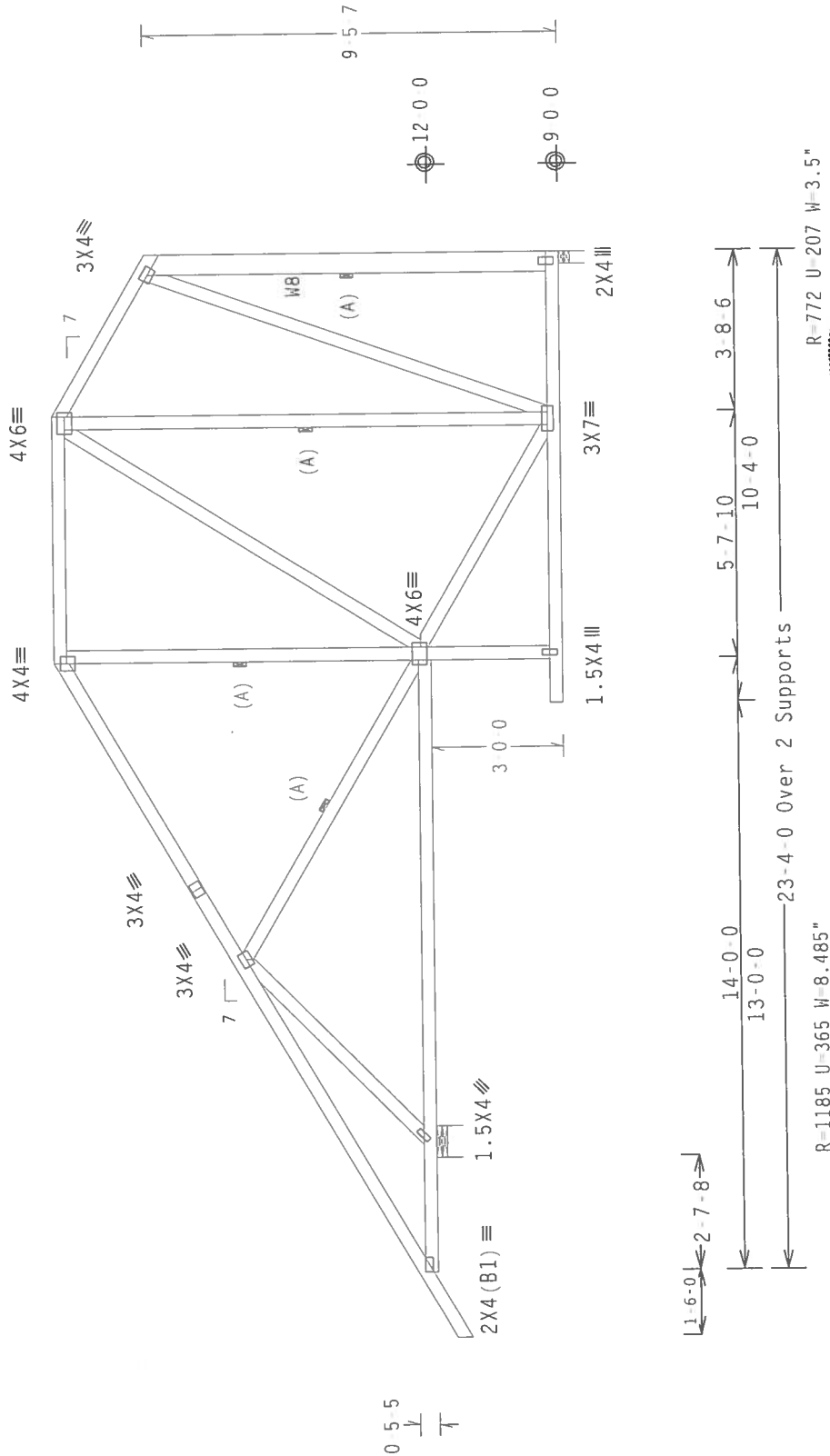
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3 : W8 2x6 SP #2:

(A) Continuous lateral bracing equally spaced on member.

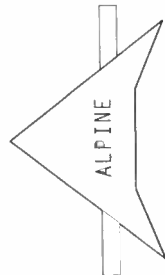
Deflection meets L/360 live and L/240 total load.

110 mph wind, 16.09 ft mean hgt, ASCE 7 98, 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.

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



PLT TYP. Wave TPI



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

Design Crit: TPI-1995(STD)/FLBC

19.0

Scale = .25" / Ft.

WARNING TRUSSES REQUIRE EXTERIOR CORNERS TO BE FABRICATED, HANDLED, SHIPPING, INSTALLING AND BRACING. REFER TO BEST PRACTICES FOR CORNER CONNECTIONS. THIS DESIGN IS THE PROPERTY OF ALPINE ENGINEERING PRODUCTS, INC. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AREA) AND TPI SHALL BE THE RESPONSIBILITY OF THE DESIGNER. DESIGNER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD.

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 IN CONFORMANCE WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AREA) AND TPI SHALL BE THE RESPONSIBILITY OF THE DESIGNER. DESIGNER SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD. ANY INSPECTION OF PLATES FOLLOWED BY THE DESIGNER SHALL BE THE RESPONSIBILITY OF THE DESIGNER. A SEAL ON THIS DRAWING INDICATES THE DESIGNER'S ACCEPTANCE OF THE DESIGN. THE DESIGNER'S PROFESSIONAL ENGINEERING RESPONSIBILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/TPI 1 SEC. 2.



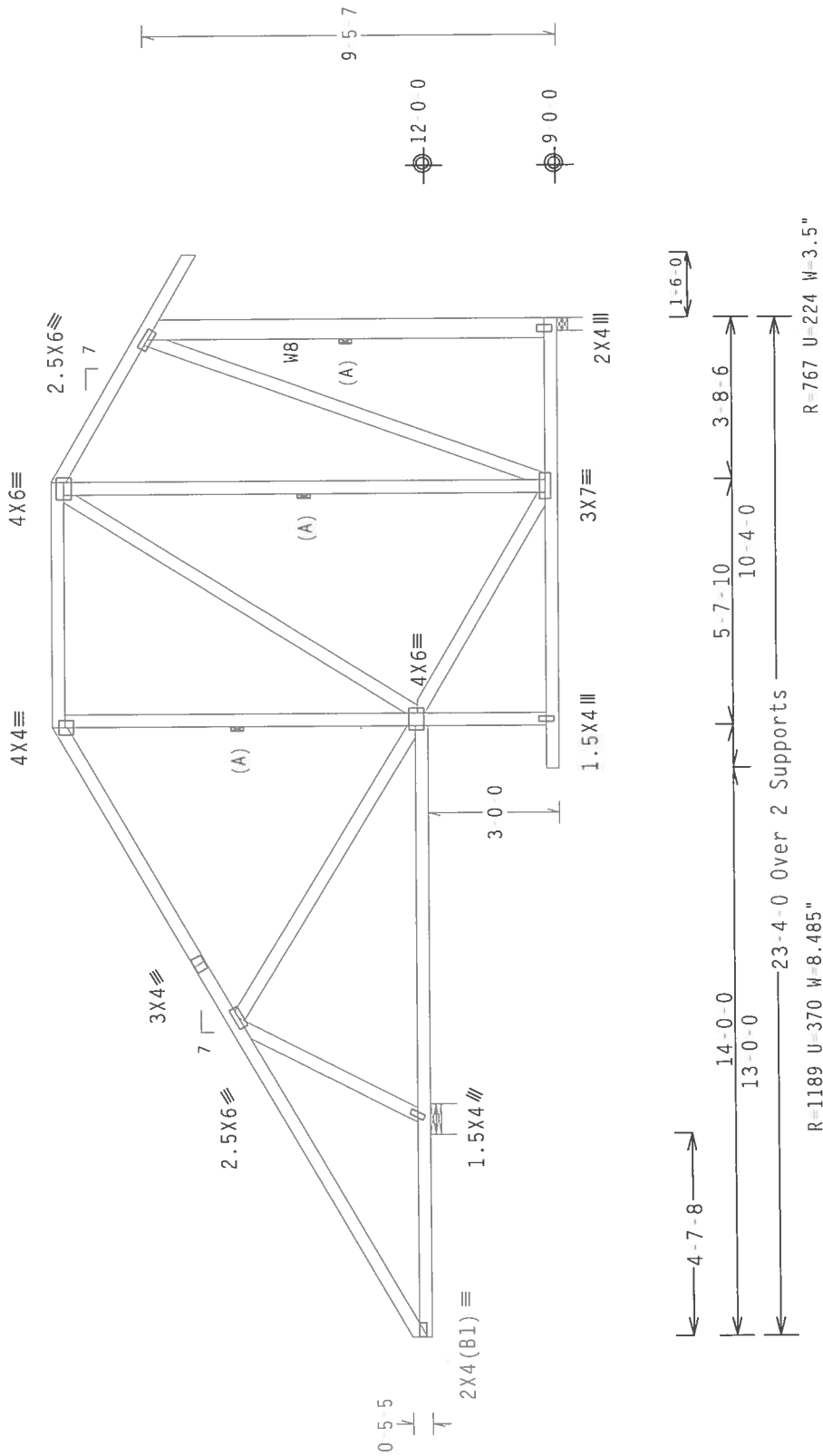
TC LL	20.0 PSF	FL / - / 4 / - / - / R / -
C DL	10.0 PSF	REF R487 - - 10275
C DL	10.0 PSF	DATE 01/15/04
C DL	10.0 PSF	DRW HCUSR487 04015045
BC LL	0.0 PSF	HC-ENG JB/MMA
TOT.LD.	40.0 PSF	SEQN- 64818
DUR.FAC.	1.25	JREF- 1S9K487_202
SPACING	24.0"	

110 mph wind, 16.53 ft mean hgt, ASCE 7 98, 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.

110 mph wind, 16.53 ft mean hgt., ASCE 7 98, 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.

(A) Continuous lateral bracing equally spaced on member.

Deflection meets L/360 live and L/240 total load.



R=1189 U=370 W=8.485"

R=767 U=224 W=3.5"

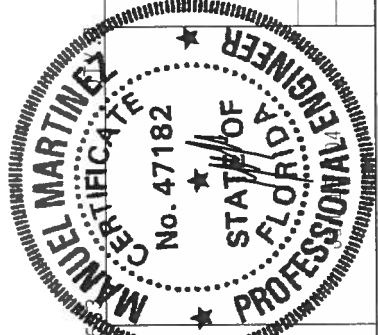
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19

Scale = .25"/Ft.

TC LL	20.0 PSF	REF R487 - 10276
TC DL	10.0 PSF	DATE 01/15/04
BC DL	10.0 PSF	DRW HCUSR487 04015046
BC LL	0.0 PSF	HC-ENG JB/MMA
TOT.LD.	40.0 PSF	SEQN - 64822
DUR.FAC.	1.25	
SPACING	24.0"	JREF - 1S9K487_Z02



A

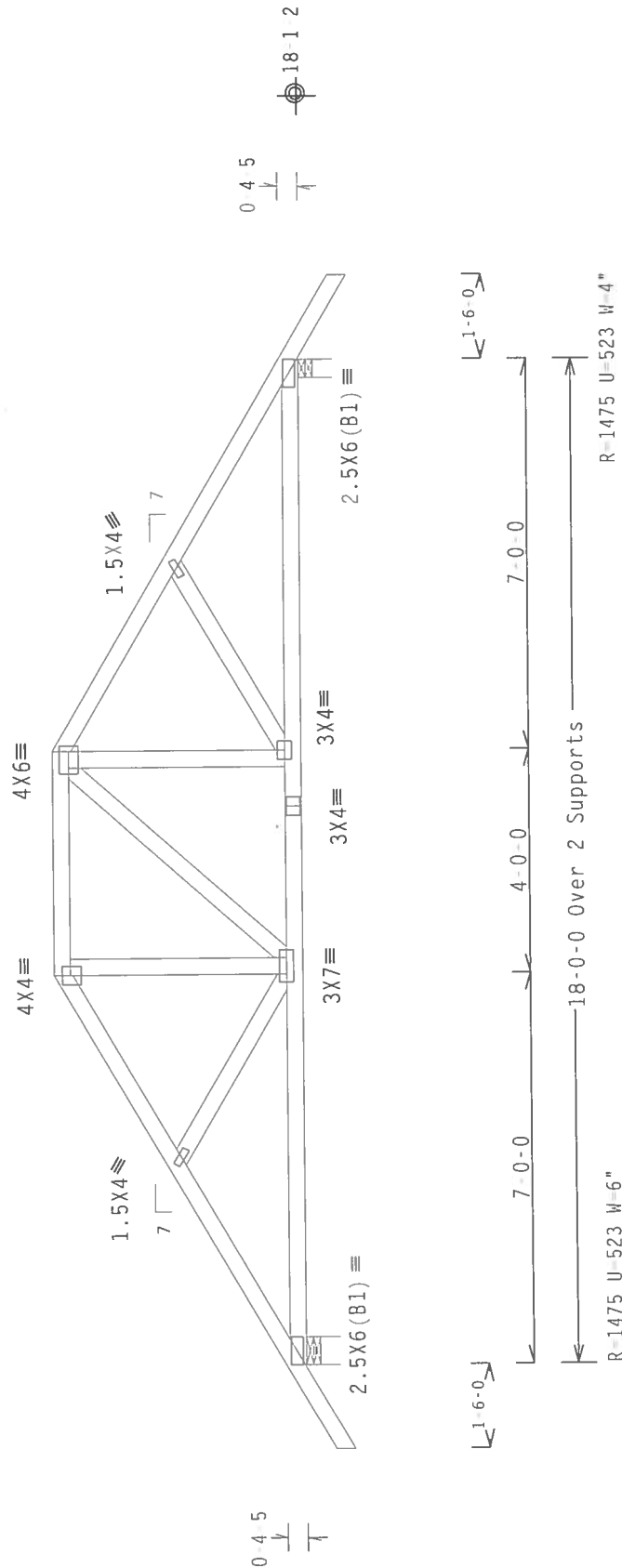
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 20.06 ft mean hgt, ASCE 7 98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

#1 hip supports 7 0 0 jacks with no webs.



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FLBC

19'-0"

FL/-4/-/-R/-

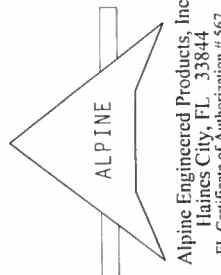
Scale = .3125"/Ft.

REF	R487--	10277
DATE	01/15/04	
DRW	HCUSR487 04015047	
HC-ENG	JB/MMA	
SEQN	64388	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1S9K487_Z02	



****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 PLATE INSTITUTE, 561 D'ORFORD DR., SUITE 200, DADISON, MI 48118) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MEEKS AVE., PITTSBURGH, PA 15222) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PLATES AND BOTTOM CHORD SHALL HAVE A PROPER ATTACHMENT.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY CONSTRUCTION DEFICIENCIES OR FAILURE TO BUILD THE TRUSSES IN CONFORMANCE WITH THE SPECIFICATIONS AND REQUIREMENTS OF THE MANUFACTURER. SHIPPING, INSTALLING & BRACING OF TRUSSES IN CONFORMANCE WITH THE SPECIFICATIONS OF THE MANUFACTURER SHALL BE THE RESPONSIBILITY OF THE INSTALLER. INSTALLATION PLATES ARE MADE OF 2024-T3 ALUMINUM (OR 6061-T6 ALUMINUM) WITH A MINIMUM THICKNESS OF .0625" (1/16"). ALL PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED OR THIS DESIGN, POSITION PER DRAWINGS 100% 7. A SEAL ON THIS SEAL INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUSTAINABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISI/TPI 1 SEC. 2.



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

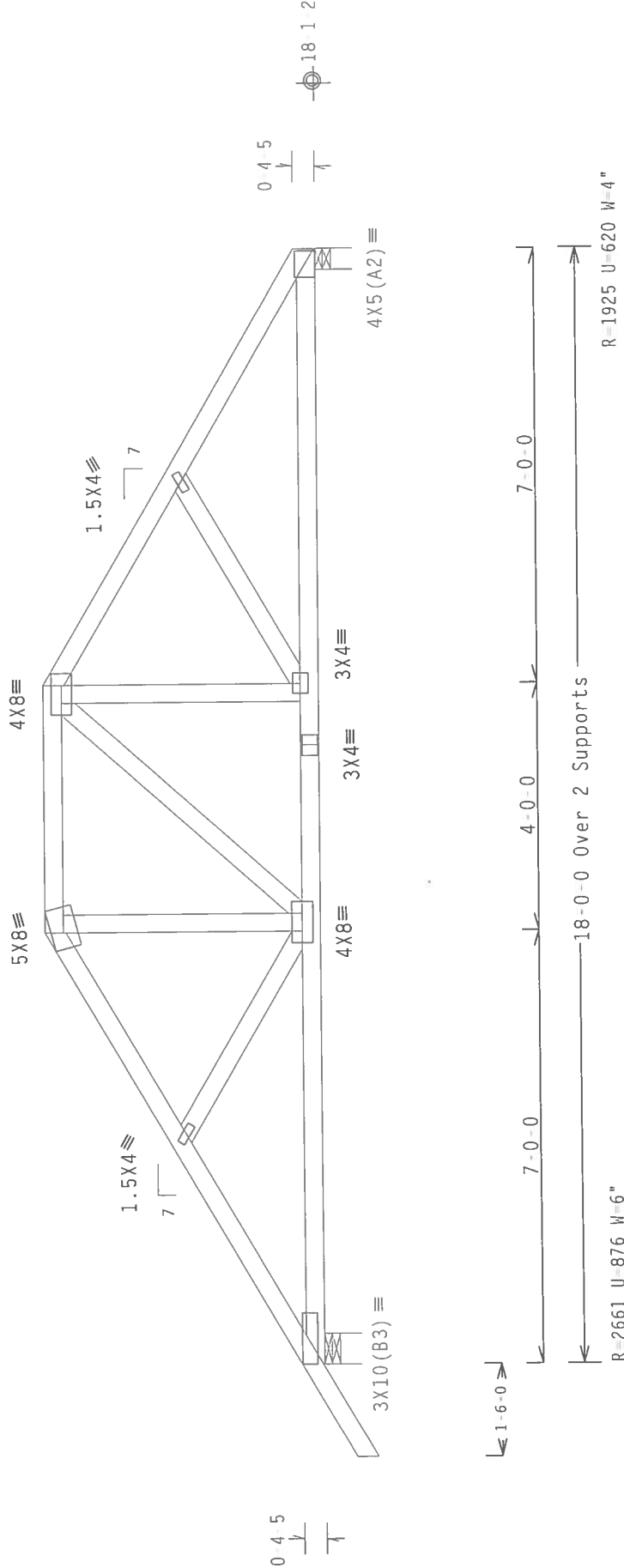
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 20.06 ft mean hgt, ASCE 7-98, 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.

Deflection meets L/360 live and L/240 total load.

SPECIAL LOADS

(LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)
TC From 60 PLF at 1.50 to 60 PLF at 18.00
BC From 4 PLF at 1.50 to 4 PLF at 0.00
BC From 20 PLF at 0.00 to 20 PLF at 18.00
TC 312 LB Conc. Load at 7.00
TC 1153 LB Conc. Load at 7.27
BC 432 LB Conc. Load at 7.00
BC 1153 LB Conc. Load at 7.27



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19.8

Scale = .375"/Ft.

FL/- /4/- /- /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"

REF R487 -- 10278

DATE 01/15/04

DRW HCUSR487 04015048

HC-ENG JB/MMA

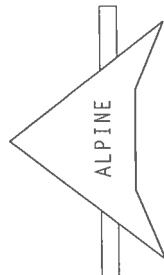
SEQN- 64450

JREF- 1S9K487_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RCSE 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 500 O'DONOHIO DR., SUITE 200, HADISON, NJ 07719), AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6700 ENTERPRISE LN, 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 TOP CHORD.

****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 EXISTING OR BRACING OF TRUSSES IN CONFORMANCE WITH TPI, PRODUCT INFORMATION, NATIONAL DESIGN SPEC., BY (A/R/S) GALV. AND TPI. APPLY DESIGN CONDITIONS WITH ALL CORRECTIONS TO THE NATIONAL DESIGN SPEC., BY (A/R/S) GALV. AND TPI. APPLY CORRECTIONS TO EACH CASE 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) 360-16. THE SOLE RESPONSIBILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

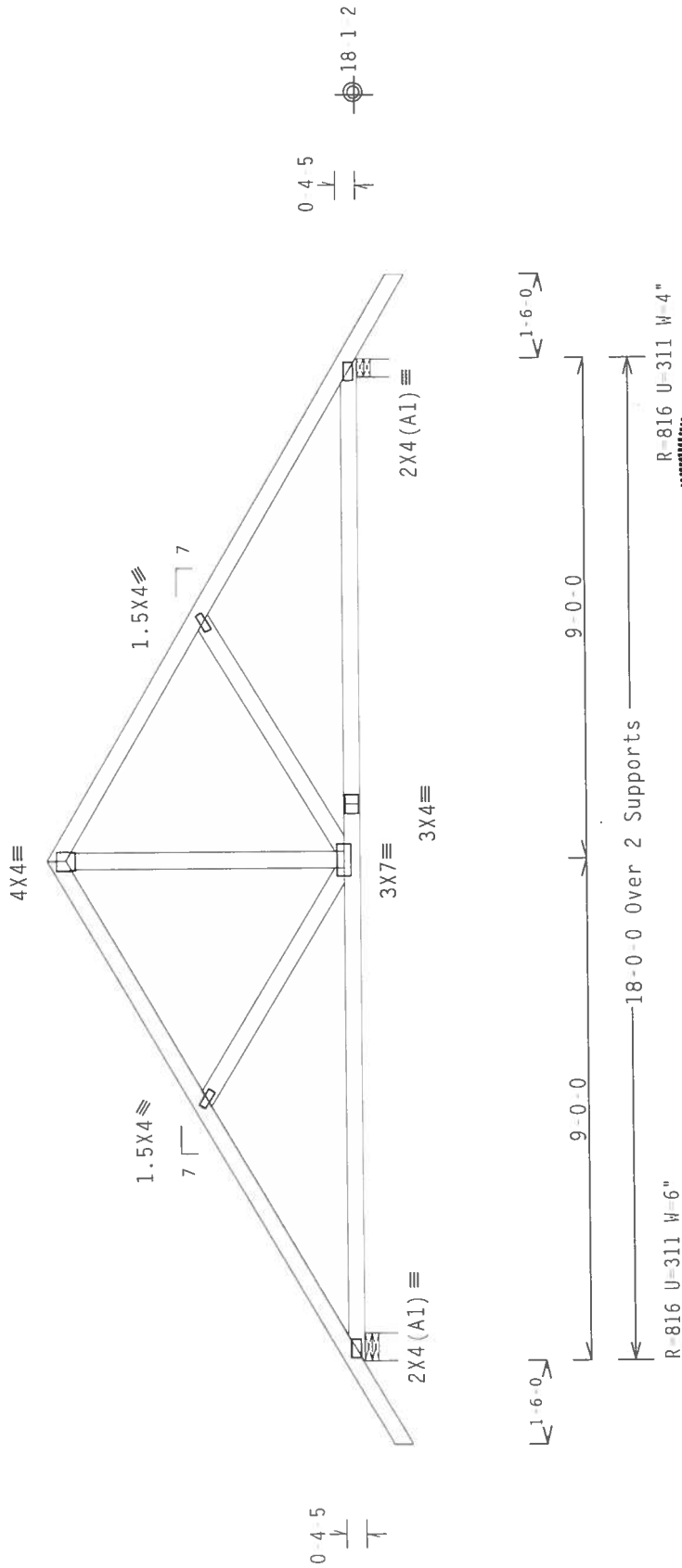


Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 20.64 ft mean hgt, ASCE 7 98, 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.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FLBC

19

Scale .3125"/Ft.

FL/-4/-/-/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"

REF R487-- 10279

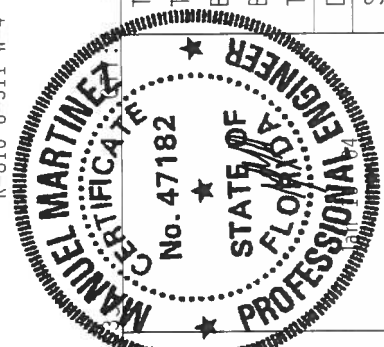
DATE 01/15/04

DRW HCUSR487 04015030

HC-ENG JB/MMA

SEQN 64393

JREF- 1S9K487_Z02



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 500 D'UNION RD., SUITE 200, MADISON, WI 53719) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN, CHICAGO, IL 60611) 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 BRACING SYSTEM.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR THE DESIGN, FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRACING SYSTEM.

ALPINE ENGINEERED PRODUCTS, INC.
Haines City, FL 33844
FL Certificate of Authorization # 567

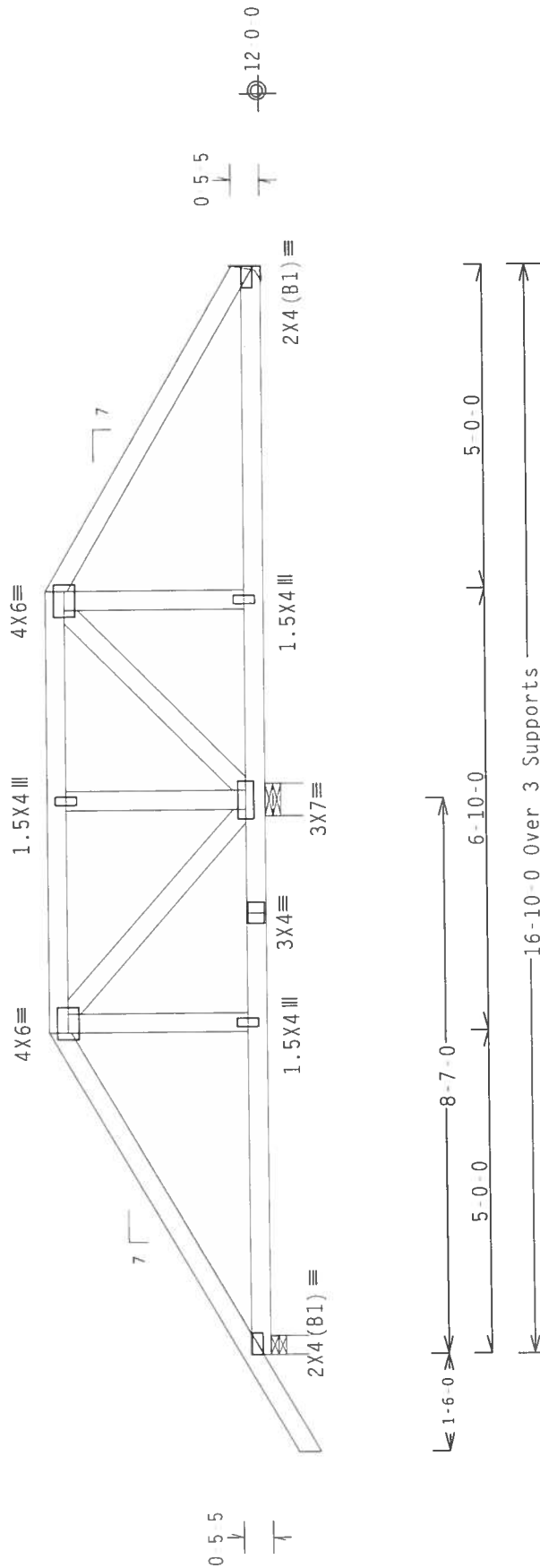
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof. CAT II. EXP B.wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



R-517 U=183 W=3.5"

16-10-0 Over 3 Supports —
R=1275 U=374 W 6"

R=381 U-180 H Simpson LU24

(2) 10d, 0.148"x1.5" nails in Truss
10d Common, 0.148"x3.0" nails in Girder

Scale = .375"/Ft.

19.9

Design Crit: TPI-1995(STD)/FLBC

PIT TYP. Wave TPI

REF R487 - - 10281

DATE 01/15/04

DRW HCUSR487 04015050

HC-ENG JB/MMA

SEON- 64421

DUR.FAC. 1.25

SPACING 24.0"

JREF- 1S9K487_Z02



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

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51-1-03 (BUILDING EQUIPMENT SAFETY INFORMATION), PUBLISHED BY IP1 (CRUSS PLATE INSTITUTE, 501 D'ONDRILO DR., SUITE 100, MADISON, WI 53719) AND VITA (WOOD TRUSS COUNCIL OF AMERICA, 6700 ENTERPRISE DR., MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS UNLESS OTHERWISE INDICATED. (MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS UNLESS OTHERWISE INDICATED. (MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS UNLESS OTHERWISE INDICATED.

[illegible]A circular professional engineer seal for Manuel Martinez, State of Florida, No. 47182. The seal features the text "MANUEL MARTINEZ" at the top, "CERTIFICATE" on the left, "STATE OF FLORIDA" on the right, and "PROFESSIONAL ENGINEER" at the bottom. The number "No. 47182" is in the center. There are two stars on the seal.

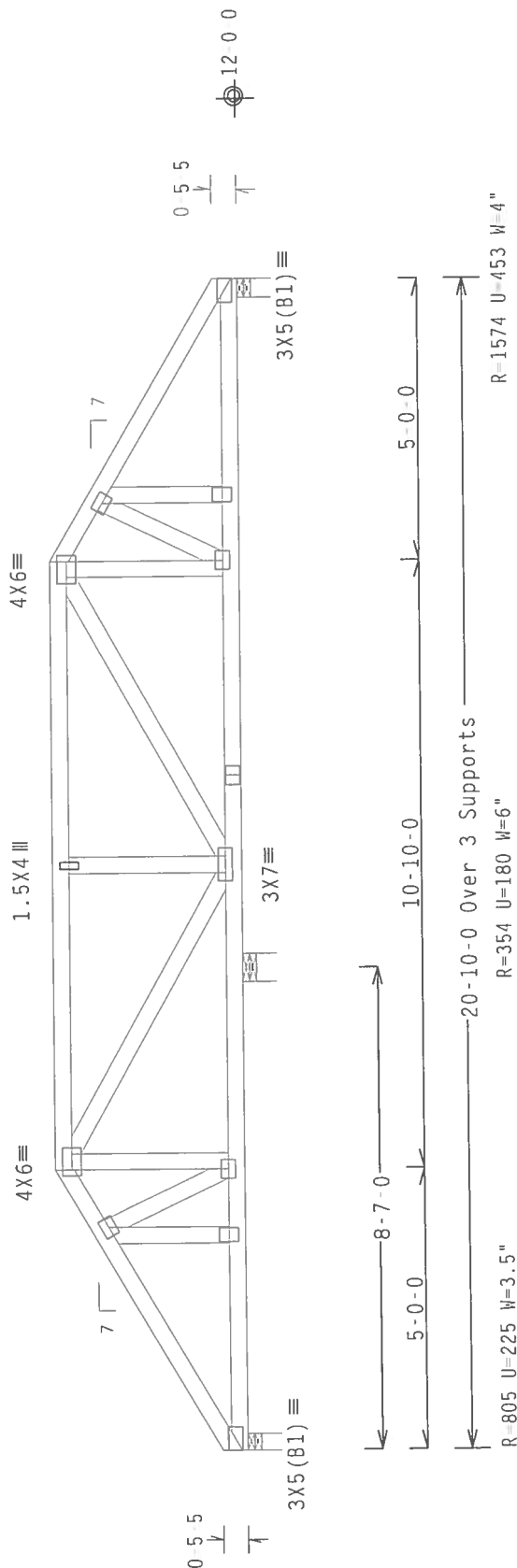
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7 98, 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.

SPECIAL LOADS

	(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)	
TC	From 60 PLF at 0.00 to	60 PLF at 20.83
8C	From 20 PLF at 0.00 to	20 PLF at 20.83
8C	816 LB Conc. Load at 16.90	
8C	250 LB Conc. Load at 17.77	

Deflection meets L/360 live and L/240 total load.



Note: All Plates Are W3X4 Except As Shown.

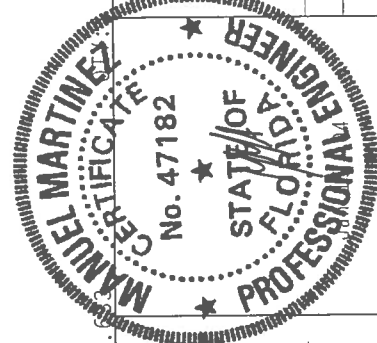
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19.6

Scale = .3125"/Ft.

TC LL	20.0 PSF	REF R487 -	10282
TC DL	10.0 PSF	DATE	01/15/04
BC DL	10.0 PSF	DRW	HCURS487 04015051
BC LL	0.0 PSF	HC-ENG JB/MMA	
TOT.LD.	40.0 PSF	SEON-	64656
DUR.FAC.	1.25		
SPACING	24.0"	JREF-	1S9K487_Z02



ALPINE

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

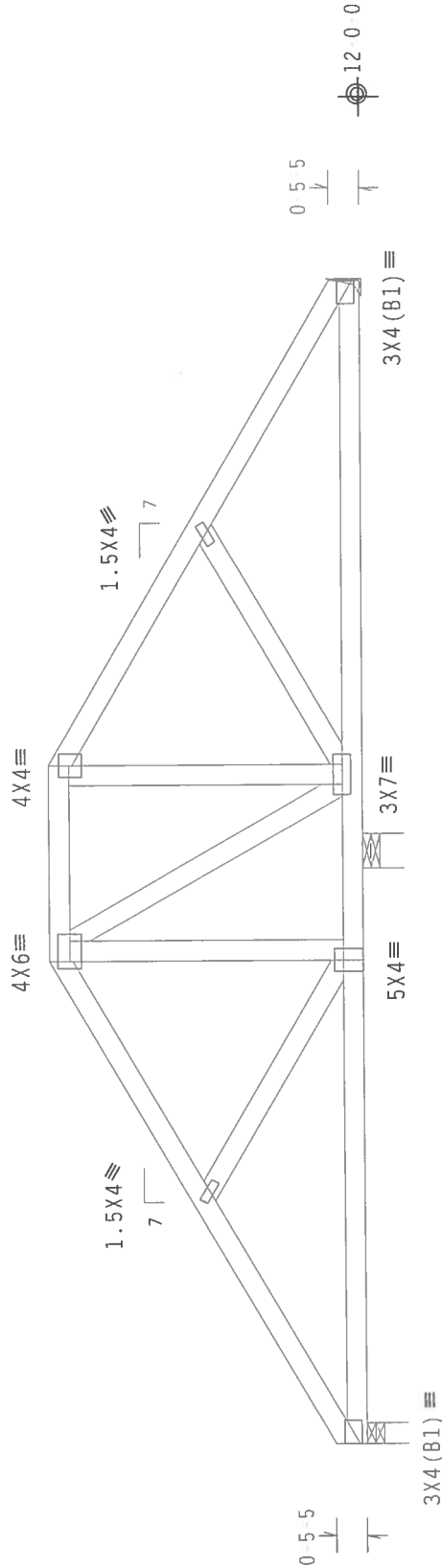
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

#1 hip supports 7 0 0 jacks with no webs.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 15.00 ft mean hgt, ASCE 7 98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



8-7-0
7-0-0
2-10-0
7-0-0
7-0-0
16-10-0 Over 3 Supports
R=981 U-278 W=3.5"
R=655 U=253 W=6"
R-962 U-271 H Simpson HUS26
(6) 10d Common, 0.148"x3.0" nails in Truss
10d Common, 0.148"x3.0" nails in Girder
(1) 2X6 min. So. Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

Scale = .375"/Ft.

REF R487 - 10283

DATE 01/15/04

DRW HCUSR487 04015052

HC-ENG JB/MMA

SEON- 64431

JREF- 1S9K487 Z02



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

PLT TYP. Wave TPI
Design Crit: TPI-1995(STD)/FLBC
Scale = .375"/Ft.
REF R487 - 10283
DATE 01/15/04
DRW HCUSR487 04015052
HC-ENG JB/MMA
SEON- 64431
JREF- 1S9K487 Z02

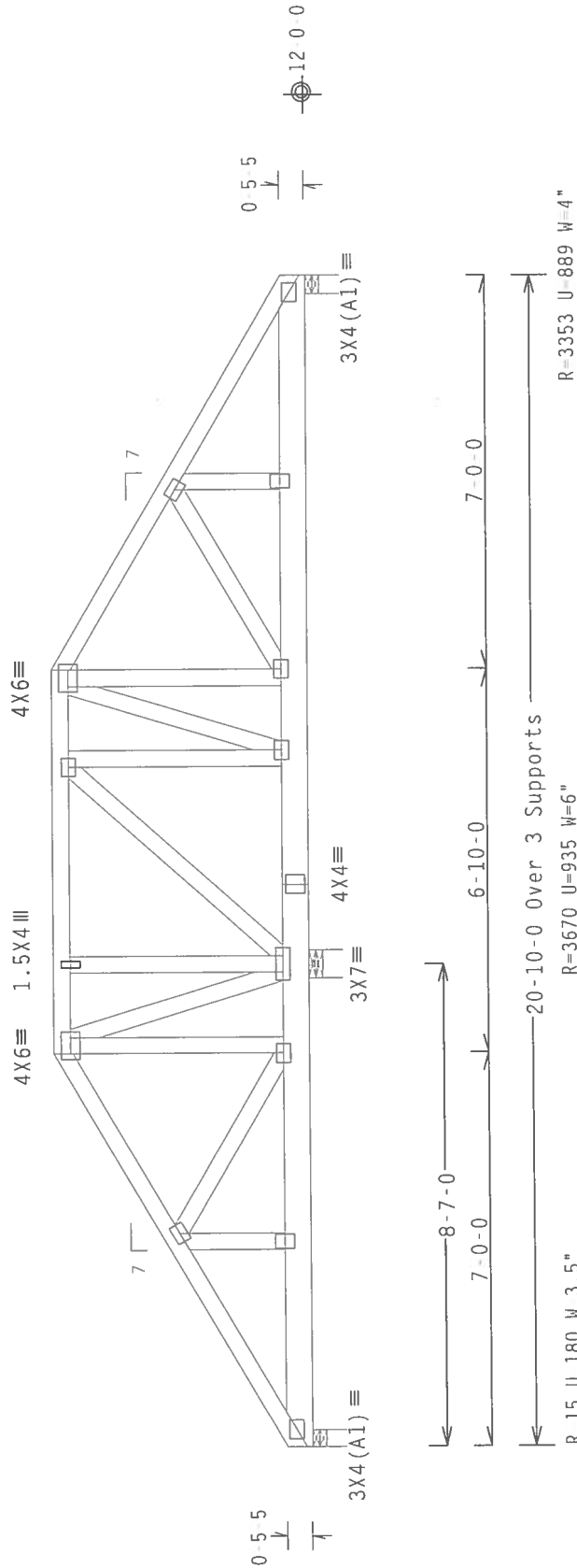
2 COMPLETE TRUSSES REQUIRED

NAILING SCHEDULE: (10d common nails)
TOP CHORD: 1 ROW @ 12" O.C.
BOT CHORD: 1 ROW @ 7" O.C.
WEBS : 1 ROW @ 4" O.C.

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

TC	From	60 PLF at 0.00 to	60 PLF at 20.83
BC	From	20 PLF at 0.00 to	20 PLF at 20.83
BC	760 LB Conc.	Load at 9.94,	11.94
BC	747 LB Conc.	Load at 13.94,	15.94
BC	763 LB Conc.	Load at 17.94	
BC	1523 LB Conc.	Load at 19.94	

110 mph wind, 15.00 ft mean hgt, ASCE 7 98, 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.



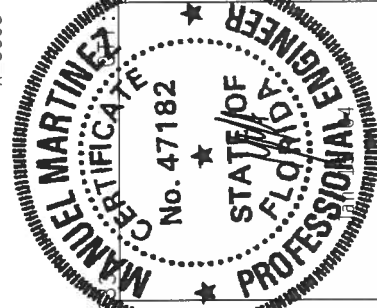
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19

Scale = .3125"/Ft.

TC LL	20.0	PSF	REF	R487--	10284
TC DL	10.0	PSF	DATE	01/15/04	
BC DL	10.0	PSF	DRW	HCUSR487	04015053
BC LL	0.0	PSF	HC-ENG	JB/MMA	
TOT.LD.	40.0	PSF	SEQN-	64747	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1S9K487_Z02	



ALPINE

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

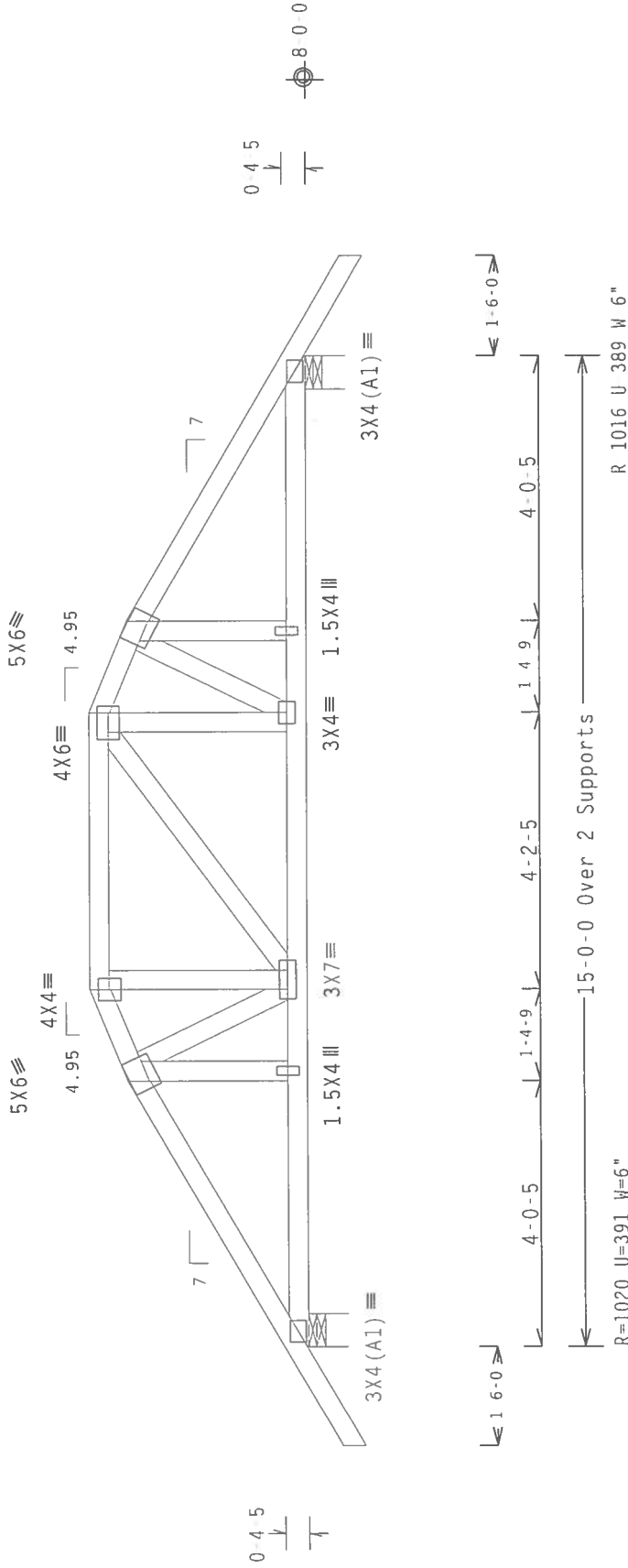
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 15.00 ft mean hgt, ASCE 7 98, 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.

Deflection meets L/360 live and L/240 total load.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 60 PLF at 1.50 to 60 PLF at 16.50
BC From 4 PLF at 1.50 to 4 PLF at 0.00
BC From 20 PLF at 0.00 to 20 PLF at 15.00
BC From 4 PLF at 15.00 to 4 PLF at 16.50
TC 118 LB Conc. Load at 5.46, 7.46, 9.46
BC 21 LB Conc. Load at 4.02, 10.98
BC 100 LB Conc. Load at 5.40
BC 48 LB Conc. Load at 7.46, 9.46
BC 52 LB Conc. Load at 9.60



PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD) / FLBC

19.0

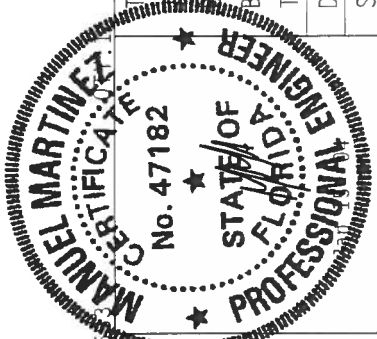
FL / - / 4 / - / R / -

Scale = .375" / Ft.

****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 DORRIS DR., SUITE 200, MADISON, WI 53719) AND WCA (WOOD CONNECTIONS COUNCIL OF AMERICA, 6000 INTERSTATE 40, 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



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



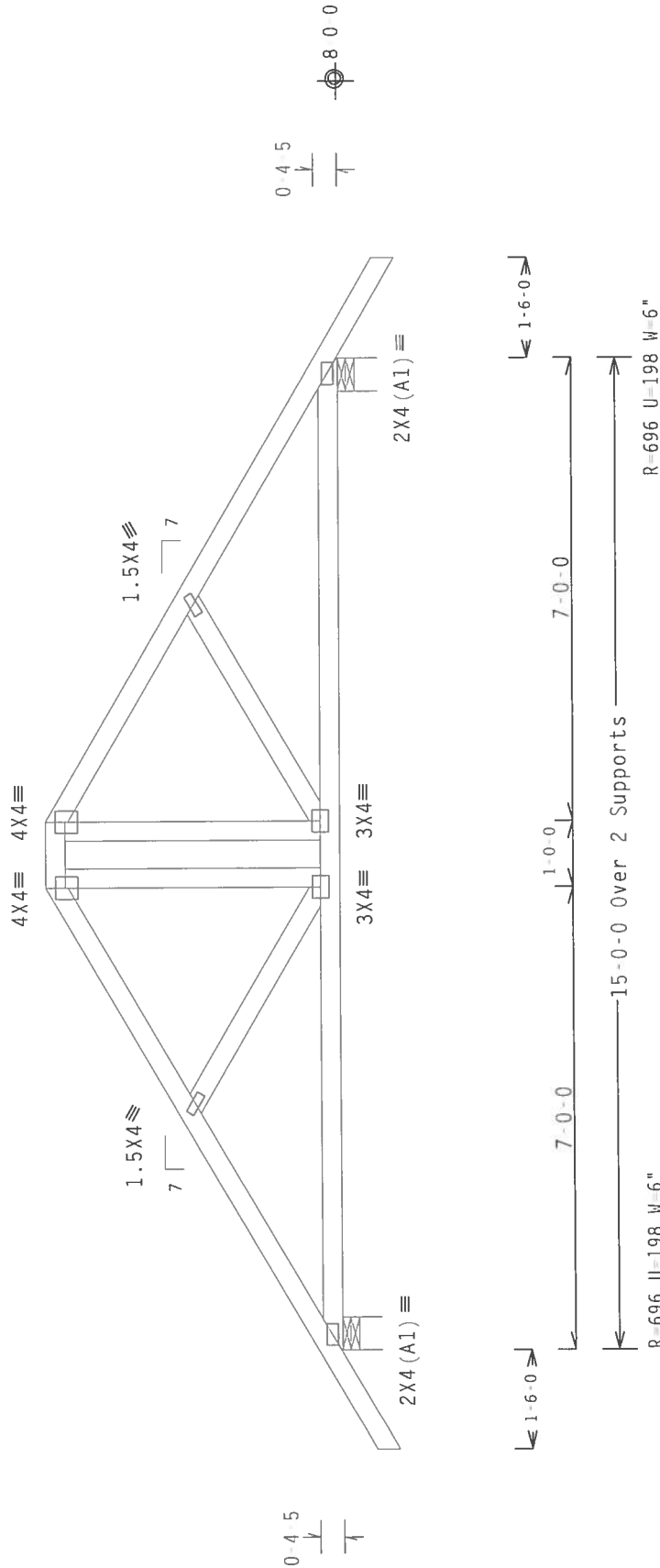
TC LL	20.0 PSF
C DL	10.0 PSF
C DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	24.0"

REF	R487 --	10285
DATE	01/15/04	
DRW	HCUSR487	04015054
HC-ENG	JB/MMA	
SEON	64453	
JREF	1S9K487_Z02	

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

110 mph wind, 9.96 ft mean hgt, ASCE 7 98, 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.

Deflection meets L/360 live and L/240 total load.



PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19.0

FL/- /4/- /- /R/-

Scale = .375"/Ft.

ALPINE

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

****WARNING**** TROTTERS REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCST 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TPI (THE TPI TRUSS INSTITUTE) FOR MORE INFORMATION. THE TPI TRUSS INSTITUTE IS NOT RESPONSIBLE FOR THE DESIGN OR CONSTRUCTION OF THE TRUSS OR FOR THE RESULTS OF THE TRUSS. THE TPI TRUSS INSTITUTE IS NOT RESPONSIBLE FOR THE RESULTS OF THE TRUSS. THE TPI TRUSS INSTITUTE IS NOT RESPONSIBLE FOR THE RESULTS OF THE TRUSS.

****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 ACCORDANCE 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 ENGINEERED PRODUCTS, INC. IS NOT RESPONSIBLE FOR THE RESULTS OF THE TRUSS. THE TPI TRUSS INSTITUTE IS NOT RESPONSIBLE FOR THE RESULTS OF THE TRUSS. THE TPI TRUSS INSTITUTE IS NOT RESPONSIBLE FOR THE RESULTS OF THE TRUSS.

MANUEL MARTINEZ
No. 47182
STATE OF FLORIDA
PROFESSIONAL ENGINEER

TC LL	20.0 PSF
BC 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	R487--	10286
DATE	01/15/04	
DRW	HCUSR487	04015055
HC-ENG	JB/MMA	
SEQN	64458	
JREF	1S9K487	Z02

2 COMPLETE TRUSSES REQUIRED

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

SPECIAL LOADS

NUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)

TC	From	60 PLF at 1.50 to	60 PLF at 16.50
BC	From	4 PLF at 1.50 to	4 PLF at 0.00
BC	From	20 PLF at 0.00 to	20 PLF at 15.00
BC	From	4 PLF at 15.00 to	4 PLF at 16.50
BC	763 LB Conc.	Load at 1.94,	3.94
BC	1198 LB Conc.	Load at 5.94	
BC	2578 LB Conc.	Load at 7.94	

NAILING SCHEDULE: (10d common nails)

TOP CHORD: 1 ROW @ 12" O.C.

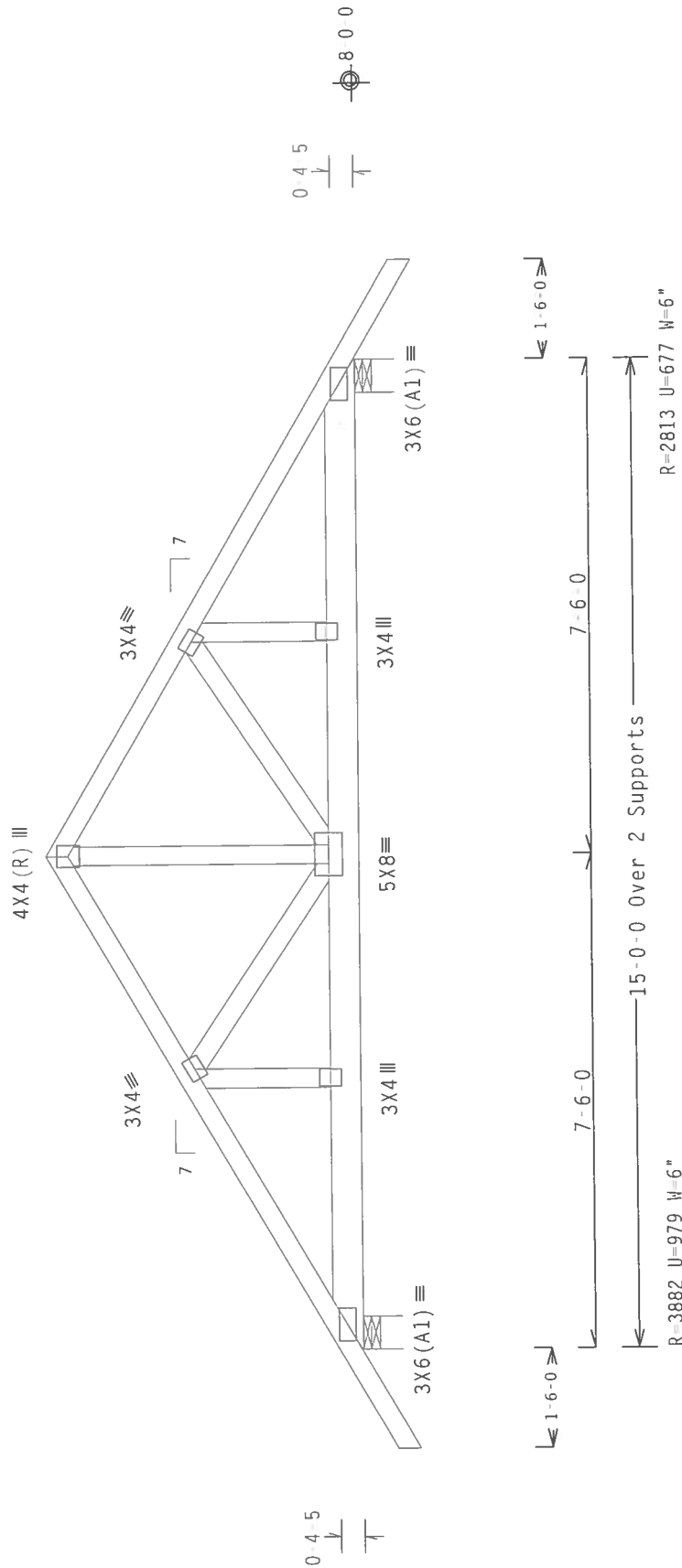
BOT CHORD: 1 ROW @ 5" O.C.

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 98, 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.

Deflection meets L/360 live and L/240 total load.



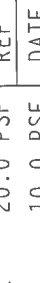
PIT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19.

Scale = .375"/Ft.

PLT TYP. Wave IPI



ALPINE

Alpine Engineering Products, Inc.
Haines City, FL 33844

Design CTRC: IPI-1993-3101/FLBC

****WARNING**** TRUSSES PROVIDE EXCEL. CAP. IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRCTING. REFER TO BEST PRACTICES FOR BUILDING COMPONENT SAFETY INFORMATION. PUBLISHED BY IPI (TRUSS PLATE INSTITUTE, 583 DUNSTON DR., SUITE 200, HUDSON, MI 47129) AND MCA (WOOD TRUSS COUNCIL OF AMERICA, 6700 ENTERPRISE DR., HUDSON, MI 47129) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, TOP CHORD SHALL HAVE PROPERLY ATTACHED STRIPCLIP PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED TOP CHORD.

****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 ACCORDANCE WITH THIS DESIGN SHALL BE THE RESPONSIBILITY OF THE INSTALLATION CONTRACTOR. THE DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (HORIZONTAL DESIGN SPEC., BY AISC) AND IPI. APPLY CURVED TOP PLATES ARE MADE OF 20/10/16GA. 40/60 (W. 4/10.5) GALV. STEEL. PLATES TO EACH FACE OF TRUSSES AND, UNLESS OTHERWISE INDICATED IN THIS DESIGN, POSITION PER DRAWINGS TIGA-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 BUILDING SHOWN. THE SUBMITTAL AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC/IPI SEC. 2.

NEW CENTRIFUGAL ENGINEER

STATE OF FLORIDA

PROFESSIONAL ENGINEER

No. 47182

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

REF R487-- 10287

DATE 01/15/04

DRW HCUSR487 04015056

HC-ENG JB/MMA

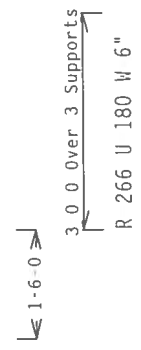
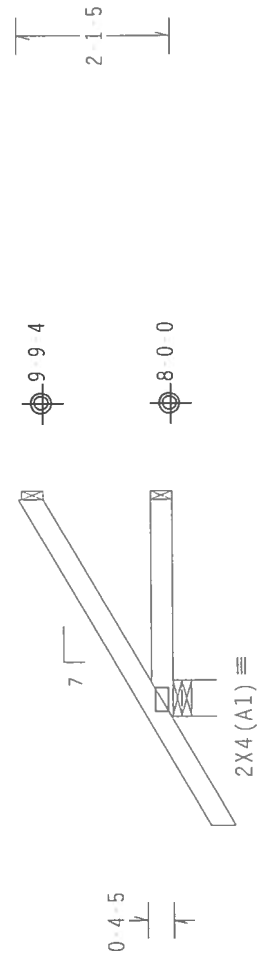
SEQN- 64630

JREF- 1S9K487_Z02

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.00.

R=48 U=180



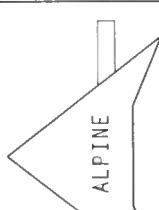
PLT TYP. Wave TPI

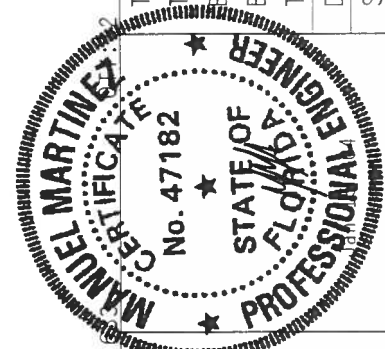
Design Crit: TPI-1995(STD)/FLBC

19.

FL/-4/-/-R/-

Scale = .375"/Ft.

 Alpine Engineering Products, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES PROVIDE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REF TO BC51 (BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY IPTI (TRUSS PLATE INSTITUTE, 503 DUNDAS RD., SUITE 200, HAINES CITY, MI 53719) AND MECA (GOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., 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 **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 A BRACING OF TRUSSES DESIGN COMPLIES WITH APPLICABLE PROVISIONS OF AISC (NATIONAL DESIGN SPEC., BY AISC/A) AND IPTI. ALPINE CONNECTION PLATES ARE MADE OF 20/18/16GA (U/L/S/E/S) ASH 6053 GRADE 40/60 (U, F/H/S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY TESTING OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AT THE 1911-2002 SEC. 3. A SEAL ON THIS BRACING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SUEPLY 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/IPTI 1 SEC. 2.				
	TC LL	20.0 PSF	REF	R487 -	10289
	TC DL	10.0 PSF	DATE	01/15/04	
	BC DL	10.0 PSF	DRW	HCUSR487	04015058
	BC LL	0.0 PSF	HC-ENG	JB/MMA	
	TOT.LD.	40.0 PSF	SEQN-	64308	
DUR.FAC.	1.25				
SPACING	24.0"	JREF-	1S9K487_Z02		



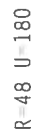
****WARNING**** TRUSSES PROVIDE EXTERIOR CASE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. TRUSSES IN COMPLIANCE WITH TPI-1995 (STD)/FLBC. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ORPHEO DR., SUITE 202, HADISON, MI 48321) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HADISON, MI 48321) 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

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO BUILD THE TRUSSES IN COMPLIANCE WITH TPI-1995 (STD)/FLBC. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ORPHEO DR., SUITE 202, HADISON, MI 48321) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HADISON, MI 48321) 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

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN COMPLIANCE WITH TPI-1995 (STD)/FLBC. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ORPHEO DR., SUITE 202, HADISON, MI 48321) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HADISON, MI 48321) 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

ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSSES IN COMPLIANCE WITH TPI-1995 (STD)/FLBC. PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 503 D'ORPHEO DR., SUITE 202, HADISON, MI 48321) AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LN, HADISON, MI 48321) 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

110 mph wind, 9.38 ft mean hgt., ASCE 7 98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf.

$$R=118 \quad U=180$$


5-0-0 Over 3 Supports

 $R=330 \text{ U}=180 \text{ W}=6''$

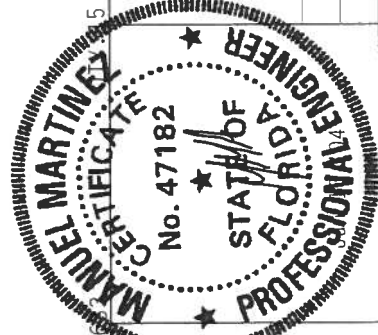
Design Crit: TPI-1995(STD)/FLBC

19.

FL/-/4/-/1/-/R/-

Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R487 -	10290
TC DL	10.0	PSF	DATE	01/15/04	
BC DL	10.0	PSF	DRW	HCUSR487	04015059
BC LL	0.0	PSF	HC-ENG	JB/MMA	
TOT.LD.	40.0	PSF	SEQN -	64305	
DUR.FAC.	1.25				
SPACING	24.0"		JREF -	1S9K487	Z02



ALPINE

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

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 20.06 ft mean hgt, ASCE 7 98, 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.

R-179 U-180

22 2 6

18 1 2

R-74 U-180

4 5 5

0 4 5

2X4 (A1) =

1-6-0

7-0-0

7-0-0 Over 3 Supports

R=403 U=180 W=6"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

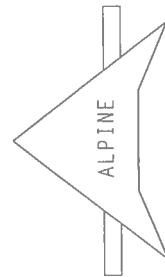
19.0

FL/-4/-/R/-

Scale = .375"/Ft.

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. PER TO RES 1-01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 583 D'AMORE DR., SUITE 200, MADISON, WI 53719) AND MECA (WOOD TRUSS COUNCIL OF AMERICA, 600 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

IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CORPORATION. ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH TPI, OF FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSS DESIGN CONFORMS WITH APPLICABLE TPI, PROFESSIONAL ENGINEERING, ARCHITECTURAL, STRUCTURAL AND OTHER CODES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 1004.2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. (AISC) 13.1. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SOLELY FOR THE TRUSS COMPANY DESIGN SHOWN. THE STABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC 1.1 SEC. 2.



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

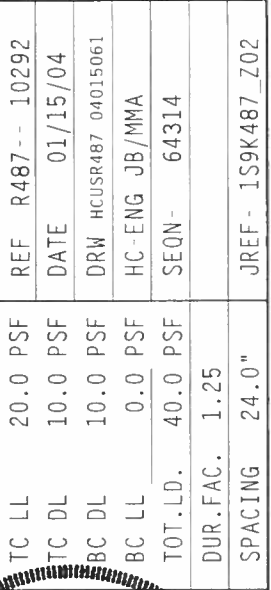


TC LL	20.0 PSF
C DL	10.0 PSF
SC DL	10.0 PSF
BC LL	0.0 PSF
TOT. LD.	40.0 PSF
DUR. FAC.	1.25
SPACING	24.0"

REF	R487 - - 10291
DATE	01/15/04
DRW	HCUSR487 04015060
HC-ENG	JB/MMA
SEON	64251
JREF	1S9K487_Z02

Webs 2x4 SP #3

Hipjack supports 7-0-0 setback jacks with no webs.

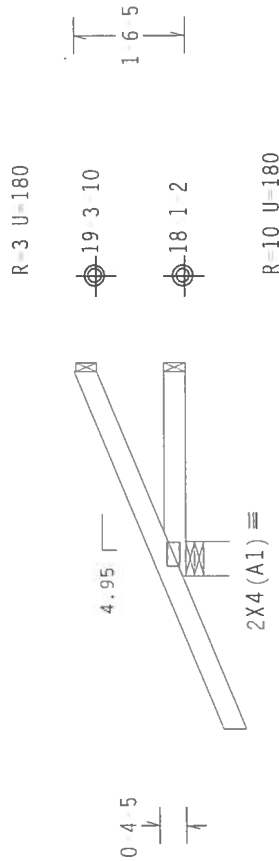


Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

110 mph wind, 18.60 ft mean hgt, ASCE 7 98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 2-0-0 setback jacks with no webs.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.00.



$\leftarrow 2-1-7 \rightarrow$
 $\leftarrow 2-9-15 \text{ Over } 3 \text{ Supports} \rightarrow$
 $R=166 \quad U=180 \quad W=5.657''$

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19

FL/-/4/-/-/R/-

$$\text{Scale} = .375"/\text{Ft.}$$

REF	R487--	10293
DATE	01/15/04	
PRW	HCUSR487	0401506
4C-ENG	JB/MMA	
SEQN-	64296	
REF-	1S9K487_Z02	

C LL	20.0 PSF
C DL	10.0 PSF
C DL	10.0 PSF
C LL	0.0 PSF
TOTAL	40.0 PSF
WIND FAC.	1.25
SPACING	24.0"

Professional Engineer Seal for the State of Florida, No. 47182, dated 12/1/2011.

****WARNING**** TROSSES BEINGWIRE (EXTRUDE CARBON FIBER) FABRICATION. HARMING LINE. SHIPPING/INSTALLING AND DRIPPING. REFER TO BEST 1-03 BUILDING CONTRACTOR SAFELY INFORMATION. PUBLISHED BY TPI LIPSUS PAPER INSTITUTION, 5610 DOWNEY BLVD., SUITE 200, HAZLETON, MI 47619, AND WICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE LANE, HAZLETON, MI 47619), 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

ALPHIE ENGINEERED CONTRACTOR. ANY FAILURE TO BUILD THE TRUSS TO BE CONFORMANT WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & DRIPPING OF TRUSSES, DESIGN COMPLIANCE WITH ANY OF THE PROVISIONS OF THIS SPEC, BY ATAPPA AND TPI, ALPHIE ENGINEERED CONTRACTOR SHALL BE IN VIOLATION OF 2010/1366A (N/A/S/C) ASH 4653 GRADE AND/OR (U, K/J/L/S) GALV. STEEL. PLATES TO EACH FACE OF TROUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TROUSSES. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PERFORMED AT TPI 2009 SEC 3, A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SHELLEY FOR THE TROUSSES COMPONENT IN SIGN SIGNATURE. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER AISC TPI 1 SEC 2.



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

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

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)			
TC	From	60 PLF at 0.00 to	60 PLF at 5.00
BC	From	20 PLF at 0.00 to	20 PLF at 5.00
TC		66 LB Conc. Load at	3.06
BC		40 LB Conc. Load at	3.06

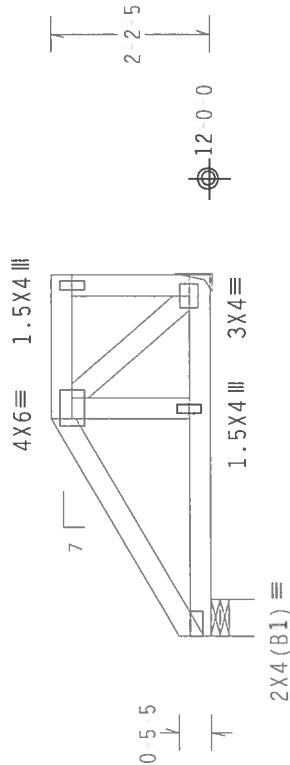
Right end vertical not exposed to wind pressure.

##1 hip supports 3-0-0 jacks with no webs.

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.

Deflection meets L/360 live and L/240 total load.



3-0-0 2-0-0

←5-0-0 Over 2 Supports →

R=256 U=180 W=6"
R=250 U=180 H=Simpson LU24
w/ (2) 10d, 0.148"x1.5" nails in Truss
w/ (4) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19.

FL/-/4/-/-/R/-

Scale = .375"/Ft.

****WARNING**** THUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIG 1-03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE CRUSS PAPER INSTITUTE, 5010 DORADO DR., SUITE C, HOUSTON, TX 57219 AND AISC (AISC) STEEL CONSTRUCTION OF AMERICA, 6000 ENTERPRISE DR., HOUSTON, TX 57119 FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BUTION CHORD SHALL HAVE PROPERLY ATTACHED

R487-- 10294

DATE 01/15/04

MAIL 01/13/04

ORW HCUR487 04015063

HC-ENG JB/MMA

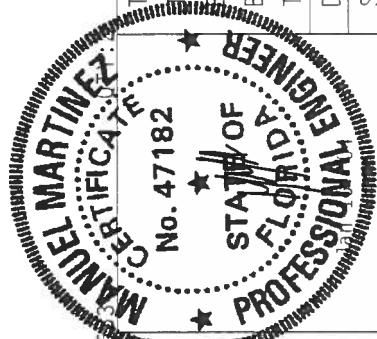
SEON - 64357

10

[illegible]

JREF- IS9K48/_Z02

110 mph wind, 18.60 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

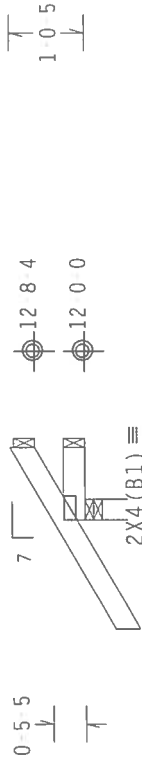
[illegible]

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

110 mph wind, 12.30 ft mean hgt, ASCE 7 98, 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. Creep increase factor
for dead load is 1.00.

R=113 U=180



R=15 U=180



R=294 U=232 W=3.5"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19

FL/-4/-/-R/-

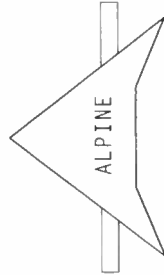
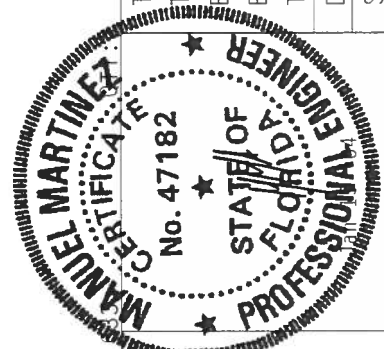
Scale = .375"/Ft.

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1 01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5810 DUNDAS DR., SUITE 200, HAMILTON, ONTARIO, L8N 3R9), AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN, CHICAGO, IL 60610) FOR SAFETY PRACTICES. TRUSSES MUST BE PROPERLY BRACED AND SHIPPED. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRACE.

****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 TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN, CHICAGO, IL 60610) AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC., 500 N. MICHIGAN, CHICAGO, IL 60610) AS WELL AS THE DESIGN SPEC. BY AISC AND TPI. APPLY PLATES TO EACH END OF TRUSSES AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A 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 TRUSSES COMPONENT BUILDING DESIGNER. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANNEX 1 SEC. 2.

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	R487--	10296
DATE	01/15/04	
DRW	HCUSR487	04015065
HC-ENG	JB/MMA	
SEON-	64317	
JREF	1S9K487_Z02	



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

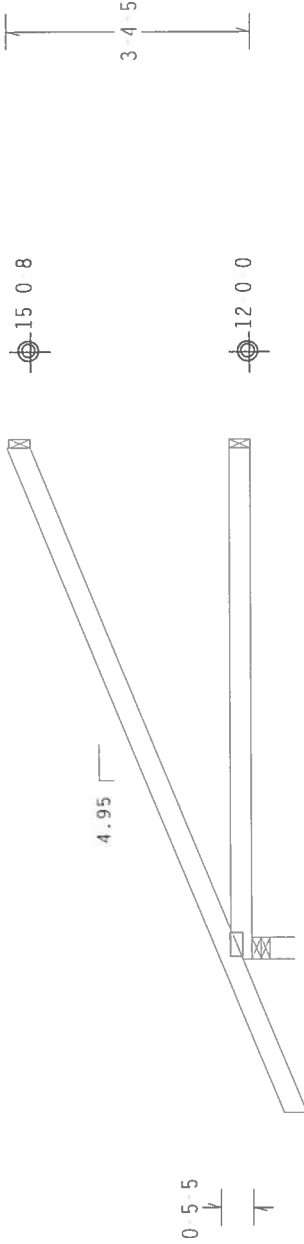
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense

110 mph wind, 15.00 ft mean hgt, ASCE 7 98, CLOSED bldg, Located anywhere
in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 5 0 0 setback jacks with no webs.

Deflection meets L/360 live and L/240 total load.

R 202 U=180



2X4 (A1) ≡

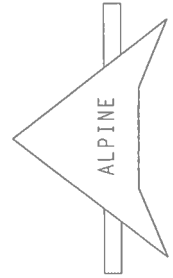
R=77 U=180

← 2-1-7 →

← 7-0-14 Over 3 Supports →

R=302 U=180 W=3.5"

PLT TYP. Wave TPI



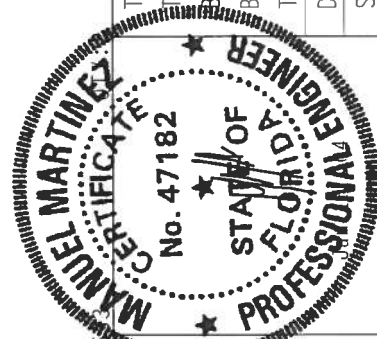
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

Design Crit: TPI-1995(STD)/FLBC

19.6

WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO RES 1 OF (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5810 OMBROSD DR., SUITE 200, MADISON, WI 53719) AND WEA (WOOD ENGINEERING ASSOCIATION, 1000 W. 10TH AVE., SUITE 100, DENVER, CO 80202) FOR SAFETY PRACTICES. ALL TRUSSES SHALL BE PROPERLY ATTACHED TO THE STRUCTURE. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED

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 COMPLIANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF AWS (QUALITY DESIGN SPEC., BY AWS) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2024-T3 ALUMINUM (AL-6061) ASH 6061 GRADE 10/60 (AL 7/8-S) GUV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS T60A 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 BUILDING DESIGNER PER AWS/TPI 1 SEC. 2.



Scale = .375"/Ft.

FL/-/4/-/4/-/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"

REF R487-- 10297

DATE 01/15/04

DRW HCUSR487 04015066

HC-ENG JB/MMA

SEON- 64333

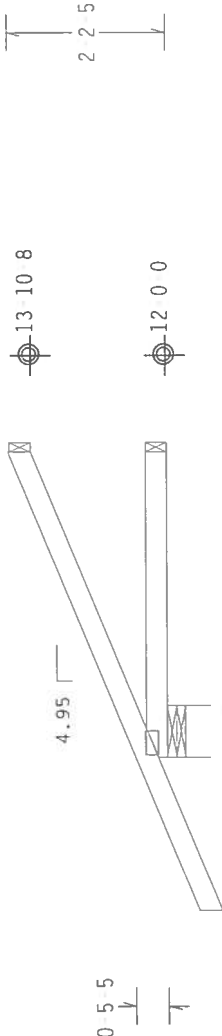
JREF- 1S9K487_Z02

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

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere
in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Hipjack supports 3-0-0 setback jacks with no webs.

R-39 U=180



R-18 U=180

←-2-1-7→

←-4-2-15 Over 3 Supports→

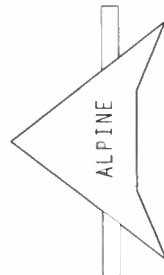
R-217 U=180 W=8.485"

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 60 PLF at 2.12 to 60 PLF at 4.24
BC From 4 PLF at 2.12 to 4 PLF at 0.00
BC From 20 PLF at 0.00 to 20 PLF at 4.24
TC 217 LB Conc. Load at 1.54
BC 19 LB Conc. Load at 1.54

Deflection meets L/360 live and L/240 total load.

PLT TYP. Wave TPI

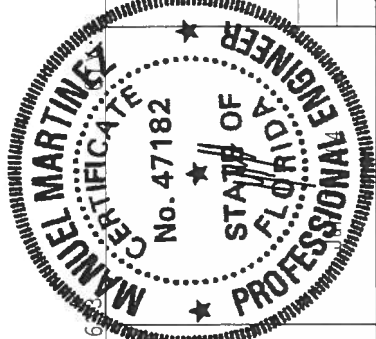


Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

Design Crit: TPI 1995(STD)/FLBC

19.6

Scale = .375"/Ft.



****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BEST 1 OF (INCLUDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 5010 BOWEN DR., SUITE 200, HADISBORN, MI 48429), AND MICA (WOOD PRESERVATION INSTITUTE, 10000 W. 10TH AVE., SUITE 100, DENVER, CO 80231) FOR SAFETY PRACTICES. TRUSS CHORDS AND BRACING MEMBERS SHALL HAVE A PROPERLY ATTACHED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED

****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 TPI: OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CHORDS WITH APPLICABLE PROVISIONS OF NDS (NATIONAL DESIGN SPEC. BY ALPINE) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 2017/10/16/2018 (A1/S1/E) ASH A653 GRADE 40/60 (V, F/R, S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A-2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI 2009 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.

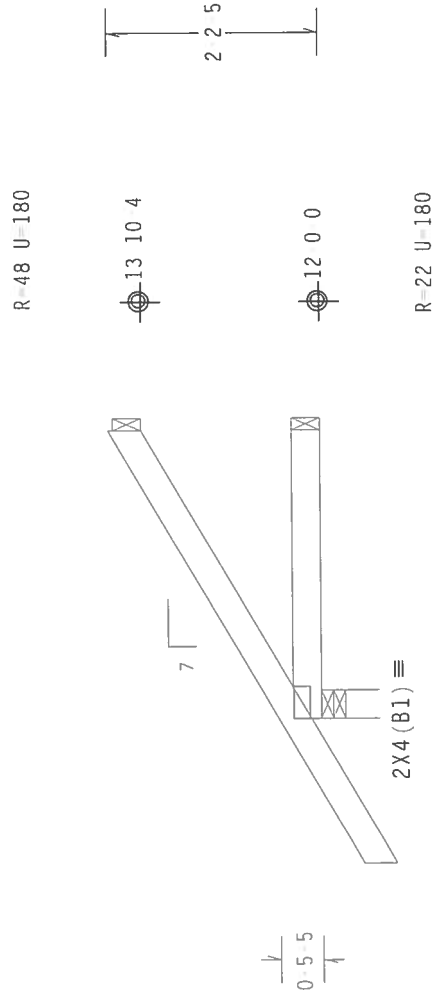
FL / - / 4 / - / - / R / -	TC LL	20.0 PSF
	TC DL	10.0 PSF
	BC DL	10.0 PSF
	BC LL	0.0 PSF
	TOT. LD.	40.0 PSF
	DUR. FAC.	1.25
	SPACING	24.0"

REF	R487 --	10298
DATE	01/15/04	
DRW	HCUSR487	04015067
HC-ENG	JB/MMA	
SEON	64341	
JREF	1S9K487_Z02	

110 mph wind, 12.88 ft mean hgt, ASCE 7 98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL 5.0 psf, wind BC DL 5.0 psf.

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

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.00.



→ 60 ←

← 3 0 0 Over 3 Supports →

R=266 U=180 W=3.5"

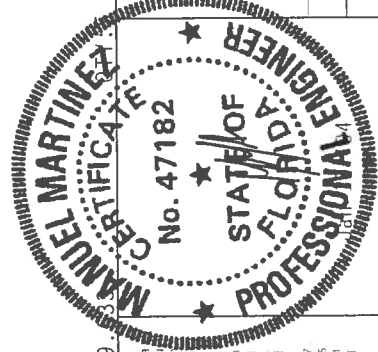
PIT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19

Scale = .5"/Ft.

TC LL	20.0	PSF	REF	R487 -	10299
TC DL	10.0	PSF	DATE	01/15/04	
BC DL	10.0	PSF	DRW	HCUSR487	040150686
BC LL	0.0	PSF	HC-ENG	JB/MMA	
TOT.LD.	40.0	PSF	SEQN-	64323	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1S9K487	Z02



ALPINE

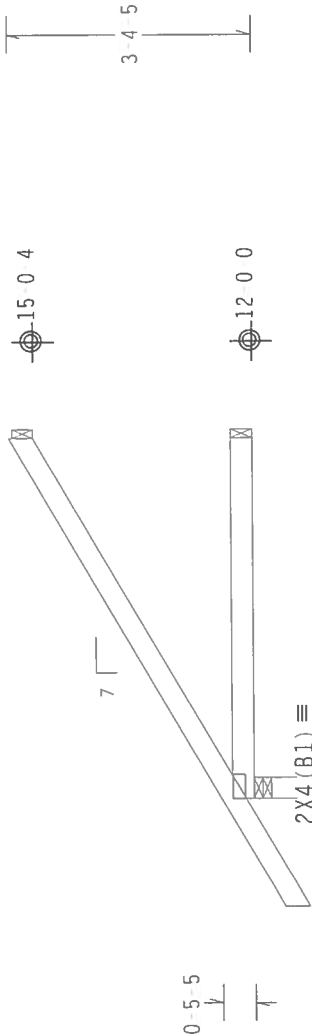
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 13.46 ft mean hgt, ASCE 7 98, 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.

R-118 U-180



1-6-0

5-0-0 Over 3 Supports
R-330 U=180 W=3.5"

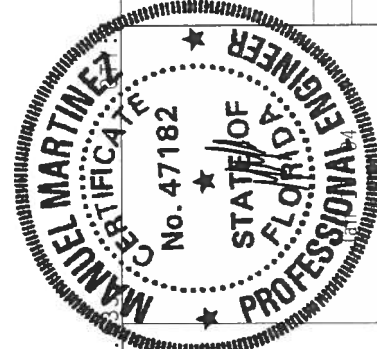
PLT TYP. Wave TPI

Design Crit: TPI-1995 (STD)/FLBC

19

Scale = .375" / Ft.

TC LL	20.0 PSF	REF	R487 - - 10300
TC DL	10.0 PSF	DATE	01/15/04
BC DL	10.0 PSF	DRW	HCUSR487 04015069
BC LL	0.0 PSF	HC-ENG	JB/MMA
TOT.LD.	40.0 PSF	SEQN	64326
DUR.FAC.	1.25		
SPACING	24.0"	JREF	1S9K487_Z02



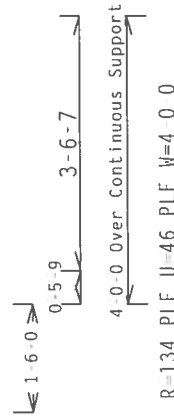
ALPINE

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

Right end vertical not exposed to wind pressure.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.00.

	(LUMBER DUR.FAC. = 1.25 / PLATE DUR.FAC. = 1.25)		
TC	From 82 PLF at 1.50 to	82 PLF at 4.00	
BC	From 4 PLF at 1.50 to	4 PLF at 0.00	
BC	From 20 PLF at 0.00 to	20 PLF at 4.00	

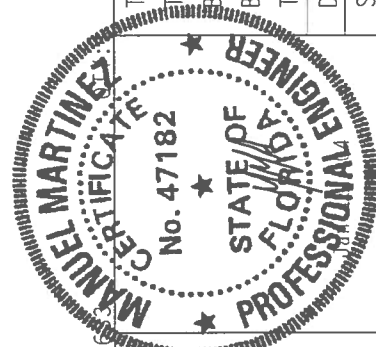


R=134 PLF U=46 PLF W=400

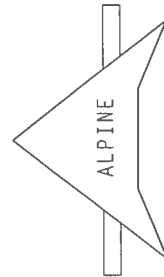
19.6

Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R487	10301
TC DL	10.0	PSF	DATE	01/15/04	
BC DL	10.0	PSF	DRW	HCUSR487	04015070
BC LL	0.0	PSF	HC-ENG	JB/MMA	
TOT.LD.	40.0	PSF	SEQN	64338	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1S9K487	Z02



****WARNING**** TRUSSES REQUIRE EXTENSIVE CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO DESIGN OR BUILDING COMPONENT SAFETY INFORMATION, PUBLISHED BY THE CROSS PAPER INSTITUTION, 583 S. GARDEN AVENUE, SUITE 220, HAZARD, MI 48219, AND AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION), 500 N. DEARBORN ROAD, HAZARD, MI 48219, FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, THE ABOVE INFORMATION IS NOT A CONTRACT DOCUMENT. THE ABOVE SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED

[illegible]

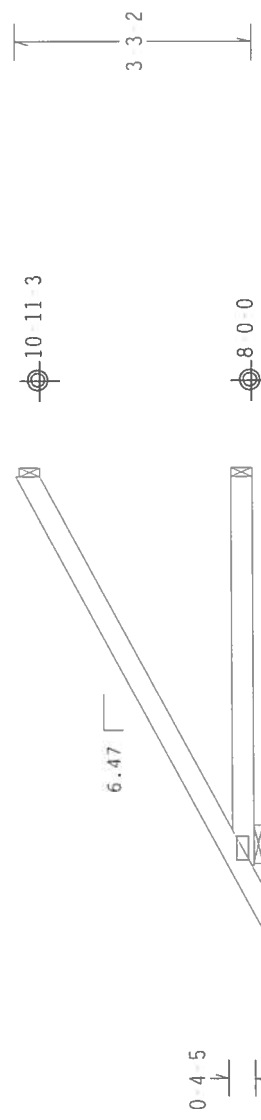
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

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

110 mph wind, 15.00 ft mean hgt, ASCE 7 98, 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/360 live and L/240 total load.

R-114 U-180



R-43 U-180

L=1-7-80.5

←5-4-10 Over 3 Supports→
R=165 U-180 W=6.494"

PLT TYP. Wave TPI

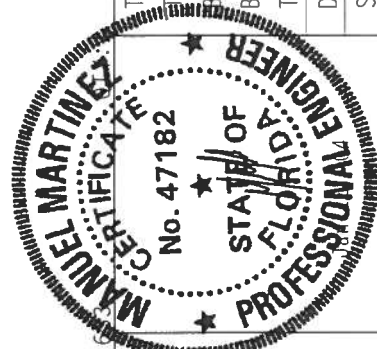
Design Crit: TPI-1995(STD)/FLBC

19.0

FL/-4/-/-R/-

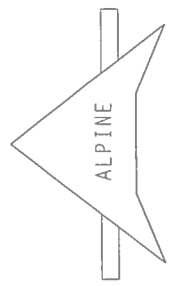
Scale = .375"/Ft.

TC LL	20.0 PSF	REF	R487-- 10302
TC DL	10.0 PSF	DATE	01/15/04
BC DL	10.0 PSF	DRW	HCUSR487 04015071
BC LL	0.0 PSF	HC-ENG	JB/MMA
TOT. LD.	40.0 PSF	SEON	64349
DUR. FAC.	1.25	JREF	1S9K487_Z02
SPACING	24.0"		



WARNING TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 581 DUNN PLO DR - SUITE 200 - MADISON, WI 53719) AND MECA (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 TOP CHORD.

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 COMPLIANCE WITH TPI OR ALPINE DESIGN SPECIFICATIONS, OR ANY FAILURE TO BRACE OR BRACING OF TRUSSES, DESIGN CONTRACTORS WITH APPLICABLE PROVISIONS OF AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) OR AISC (AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.) SHALL BE PERMITTED BY THE DESIGNER. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN, THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.

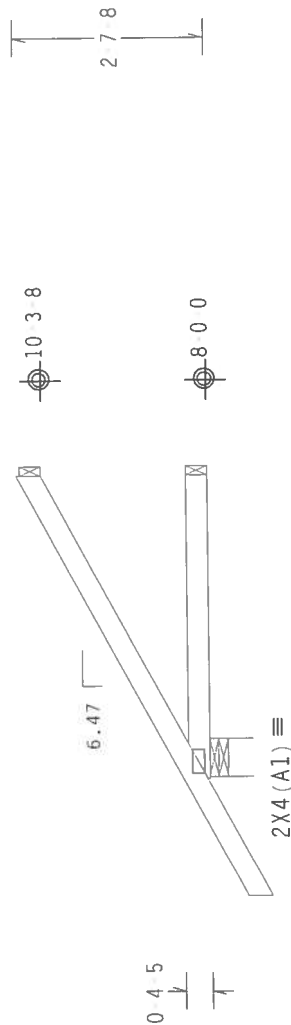


Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization # 567

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, CLOSED bldg, Located anywhere in roof. CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Whipjack supports 2-11-11 setback jacks with no webs.

Deflection meets L/360 live and L/240 total load.


$$L \leq 1.7 \cdot 8^{0.005}$$

← 4-2-7 Over 3 Supports →
R=160 I=180 W=6.494"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

1964

Scale = .375"/Ft.

TC 11	20.0 PSF
-------	----------

RFF R487 -- 10303

DATE 01/15/04

MAIL 01/13/04

MAIL 01/13/04

JRW HCU5K487 040

HC · ENG JB/MMA

TOT.LD. 40.0

DUR. FAC. 1.25

1RFF-1S9K487 702

[illegible]

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

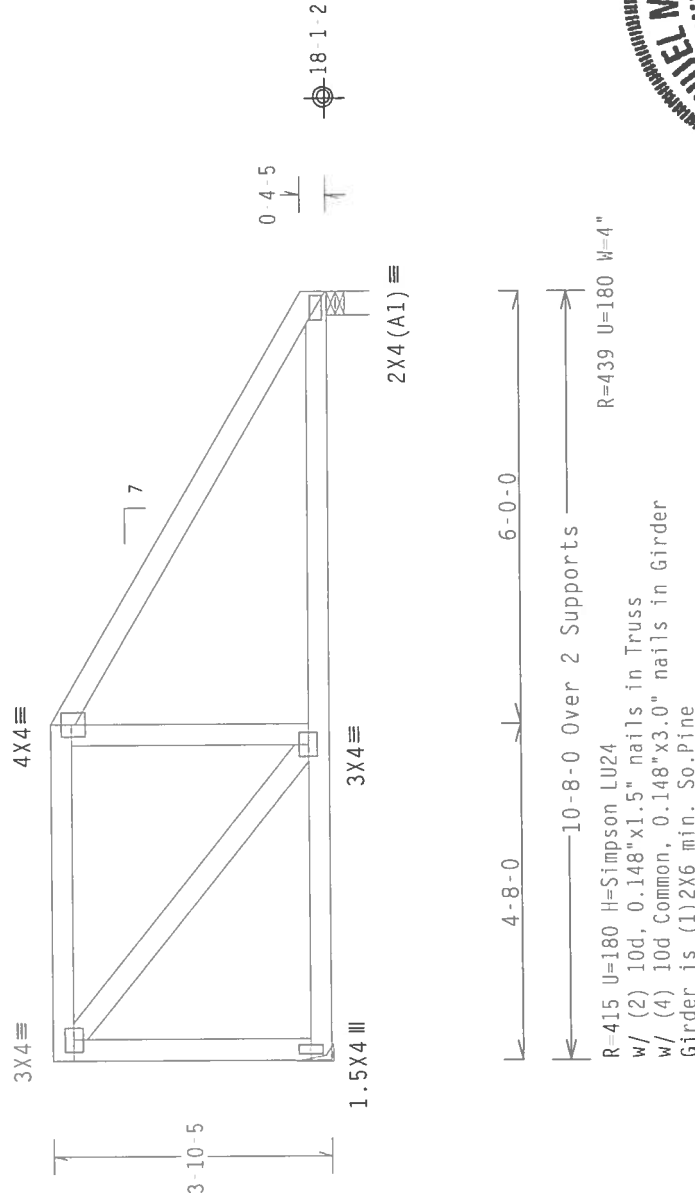
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

Left end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

110 mph wind, 20.20 ft mean hgt, ASCE 7 98, 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.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



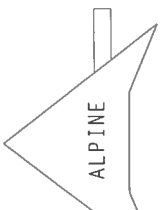
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19.8

FL/-4/-/-R/-

Scale = .375"/Ft.

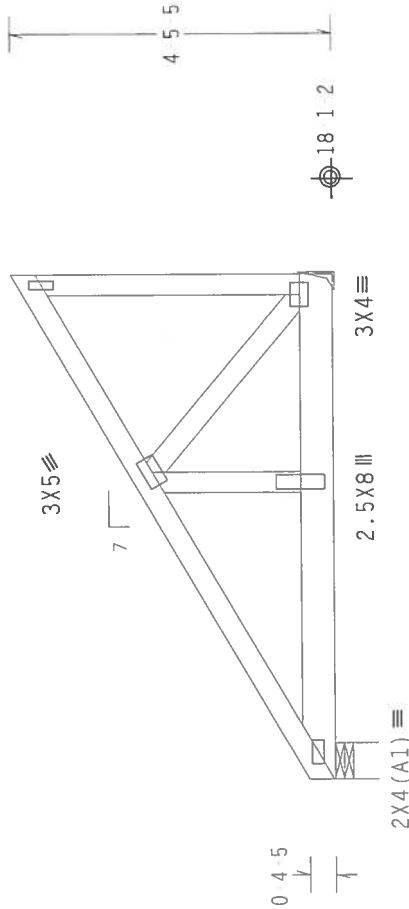
 Alpine Engineered Products, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567	**WARNING** TRUSSES REQUIRE EXPERT CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND DRACING. REFER TO RCSE 1.01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 581 D'ORFORD DR., SUITE 200, HADISON, NJ 07732) AND VICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR, HADISON, NJ 07732) 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.		REF	R487	-	10304		
	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 FOLLOW THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR DRACING OF THIS TRUSS DESIGN COMPONENTS WITH APPLICATION OF PROVISIONS IN RCSE 1.01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 581 D'ORFORD DR., SUITE 200, HADISON, NJ 07732) AND VICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR, HADISON, NJ 07732) 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.		DATE	01/15/04				
	ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR DRACING OF THIS TRUSS DESIGN COMPONENTS WITH APPLICATION OF PROVISIONS IN RCSE 1.01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 581 D'ORFORD DR., SUITE 200, HADISON, NJ 07732) AND VICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR, HADISON, NJ 07732) 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.		DRW	HCUSR487	04015031			
	ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR DRACING OF THIS TRUSS DESIGN COMPONENTS WITH APPLICATION OF PROVISIONS IN RCSE 1.01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 581 D'ORFORD DR., SUITE 200, HADISON, NJ 07732) AND VICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR, HADISON, NJ 07732) 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.		HC ENG	JB/MMA	*			
	ALPINE ENGINEERED PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO FOLLOW THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING OR DRACING OF THIS TRUSS DESIGN COMPONENTS WITH APPLICATION OF PROVISIONS IN RCSE 1.01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 581 D'ORFORD DR., SUITE 200, HADISON, NJ 07732) AND VICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR, HADISON, NJ 07732) 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.		SEQN	64400				
TOT.LD.			40.0	PSF				
DUR.FAC.			1.25					
SPACING			24.0"					
JREF			1S9K487	Z02				

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

110 mph wind, 20.49 ft mean hgt, ASCE 7 98, 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.

H = recommended connection based on manufacturer tested capacities and
calculations. Conditions may exist that require different connections than
indicated. Refer to manufacturer publication for additional information.

1.5X4 III



R=1375 U 373 W=6"
R 1153 U 371 H=Simpson HUS26
w/ (6) 10d Common, 0.148"x3.0" nails in Truss
w/ (14) 10d Common, 0.148"x3.0" nails in Girder
Girder is (1)2X6 min. So.Pine

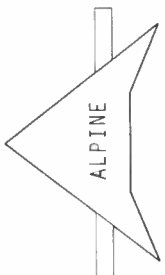
PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19.8

FL/-4/-/-R/-

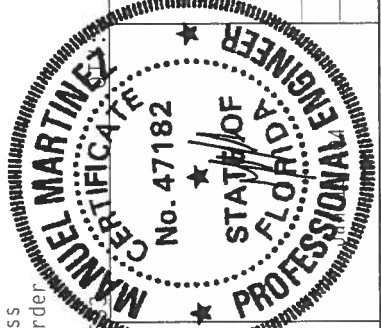
Scale = .375"/Ft.



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

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. ANY FAILURE TO FOLLOW THE INSTRUCTIONS OF THE MANUFACTURER OR THE DESIGNER SHALL BE THE RESPONSIBILITY OF THE INSTALLER. TRUSSES IN CONFORMANCE WITH TPI-1995(STD) SHALL BE USED IN CONFORMANCE WITH THE TPI-1995(STD) SPECIFICATIONS. TRUSSES IN CONFORMANCE WITH TPI-1995(STD) SHALL BE USED IN CONFORMANCE WITH THE TPI-1995(STD) SPECIFICATIONS. TRUSSES IN CONFORMANCE WITH TPI-1995(STD) SHALL BE USED IN CONFORMANCE WITH THE TPI-1995(STD) SPECIFICATIONS.

****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ANY FAILURE TO FOLLOW THE INSTRUCTIONS OF THE MANUFACTURER OR THE DESIGNER SHALL BE THE RESPONSIBILITY OF THE INSTALLER. TRUSSES IN CONFORMANCE WITH TPI-1995(STD) SHALL BE USED IN CONFORMANCE WITH THE TPI-1995(STD) SPECIFICATIONS. TRUSSES IN CONFORMANCE WITH TPI-1995(STD) SHALL BE USED IN CONFORMANCE WITH THE TPI-1995(STD) SPECIFICATIONS. TRUSSES IN CONFORMANCE WITH TPI-1995(STD) SHALL BE USED IN CONFORMANCE WITH THE TPI-1995(STD) SPECIFICATIONS.



SPECIAL LOADS

------(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 60 PLF at 0.00 to 60 PLF at 7.00
BC From 20 PLF at 0.00 to 20 PLF at 7.00
BC 1157 LB Conc. Load at 2.06
BC 397 LB Conc. Load at 4.06
BC 415 LB Conc. Load at 6.06

Right end vertical not exposed to wind pressure.

Deflection meets L/360 live and L/240 total load.

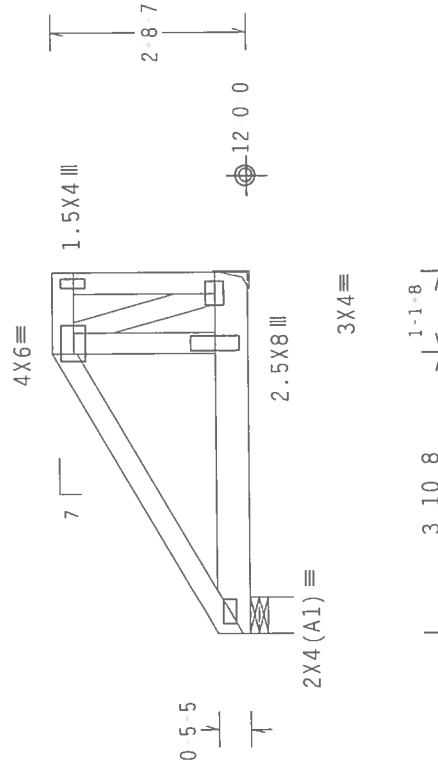
TC LL	20.0 PSF	REF R487 - - 10305
TC DL	10.0 PSF	DATE 01/15/04
BC DL	10.0 PSF	DRW HCUSR487 04015073
BC LL	0.0 PSF	HC-ENG JB/MMA
TOT.LD.	40.0 PSF	SEQN- 64417
DUR.FAC.	1.25	
SPACING	24.0"	JREF- 1S9K487_Z02

SPECIAL LOADS

110 mph wind, 15.00 ft mean hgt, ASCE 7-98, 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.

Right end vertical not exposed to wind pressure.
Deflection meets L/360 live and L/240 total load.

H = recommended connection based on manufacturer tested capacities and calculations. Conditions may exist that require different connections than indicated. Refer to manufacturer publication for additional information.



$\overleftarrow{\leftarrow}$ 5-0 0 Over 2 Supports $\overrightarrow{\rightarrow}$
 R 927 U 281 W 6" R=816 U=243 H Simpson LUS26
 w/ (4) 10d Common, 0.148"x3.0" nails in Truss
 w/ (4) 10d Common, 0.148"x3.0" nails in Girder
 Girder is 112X6 min. So Pine

PIT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

Design Crit: TPI-1995(STD)/FLBC

****WARNING**** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BUSH 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY THE TRUSS PLATE INSTITUTE, 5431 RIFLER CIRCLE, SUITE 120, MADISON, WI 53719, AND AISC (AISC TRUSS COUNCIL OF AMERICA, 6700 ENTERPRISE LANE, MADISON, WI 53719) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TRUSSES HAVE PROPERLY ATTACHED SUBORDINATE PANELS, AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED

ALPINE

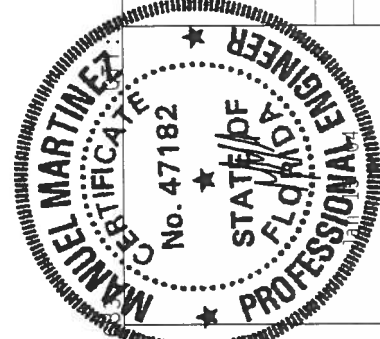
Alpine Engineered Products, Inc.
Haines City, FL 33844
FL Certificate of Authorization #567

[illegible]

19

Scale = .375"/Ft.

TC LL	20.0	PSF	REF	R487 - -	10306
TC DL	10.0	PSF	DATE	01/15/04	
BC DL	10.0	PSF	DRW	HCUSR487	04015074
BC LL	0.0	PSF	HC-ENG	JB/MMA	
TOT.LD.	40.0	PSF	SEQN-	64439	
DUR.FAC.	1.25				
SPACING	24.0"		JREF-	1S9K487_Z02	



(556A AARON SIMQUE/STEPHENS ROOF 10307 H2L)

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

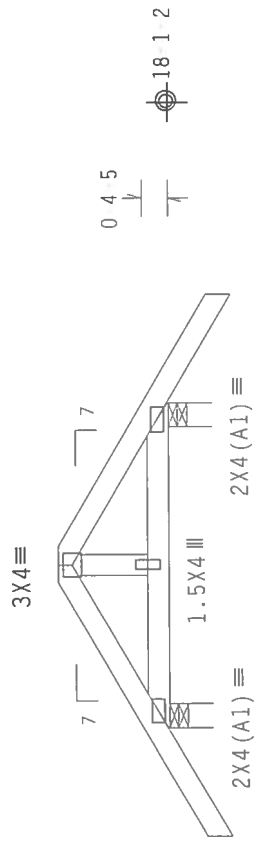
110 mph wind, 18.60 ft mean hgt, ASCE 7 98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

#1 hip supports 2 0 0 jacks with no webs.

SPECIAL LOADS

(LUMBER DUR.FAC.=1.25 / PLATE DUR.FAC.=1.25)
TC From 60 PLF at 1.50 to 60 PLF at 6.00
BC From 4 PLF at 1.50 to 4 PLF at 0.00
BC From 20 PLF at 0.00 to 20 PLF at 4.50
BC From 4 PLF at 4.50 to 4 PLF at 6.00
TC 92 LB Conc. Load at 2.00, 2.50
BC 94 LB Conc. Load at 2.00, 2.50
BC 9 LB Conc. Load at 2.06, 2.44

Deflection meets L/360 live and L/240 total load.



1-6-0
2-3-0
4-6-0 over 2 supports
R=287 U=180 W=4"

PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19.6

FL/-4/-1-R/-

Scale = .375"/Ft.

REF	R487--	10307
DATE	01/15/04	
DRW	HCUSR487	04015075
HC-ENG	JB/MMA	
SEQN	64442	
DUR.FAC.	1.25	
SPACING	24.0"	
JREF	1S9K487_Z02	

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



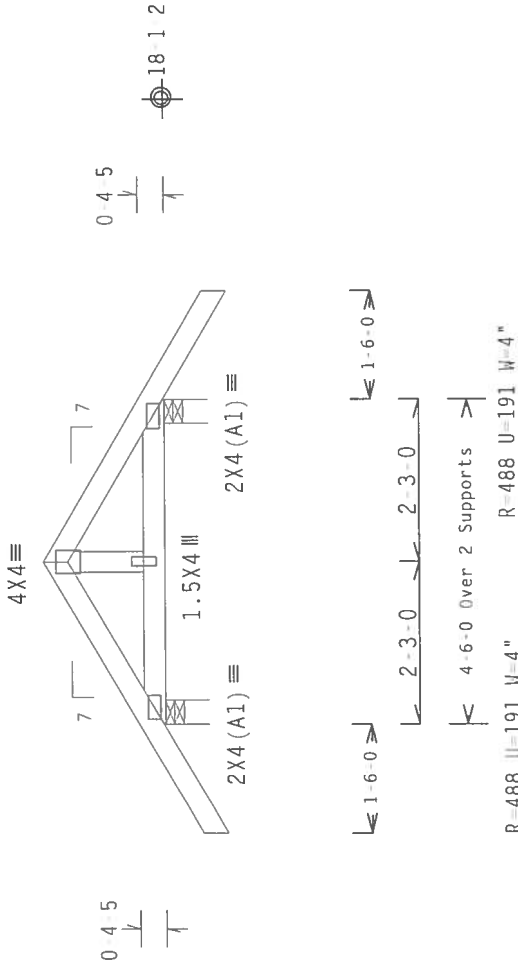
(556A AARON SIMQUE/STEPHENS ROOF - 10308 - L 1)

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

Deflection meets L/360 live and L/240 total load.

110 mph wind, 18.67 ft mean hgt, ASCE 7 98, CLOSED bldg, Located anywhere in roof, CAT II, EXP B, wind TC DL=5.0 psf, wind BC DL=5.0 psf.

Girder supports 7 0 0 span to BC one face and 2 0 0 span to TC/BC split opposite face.

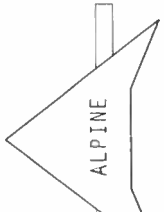


PLT TYP. Wave TPI

Design Crit: TPI-1995(STD)/FLBC

19.6

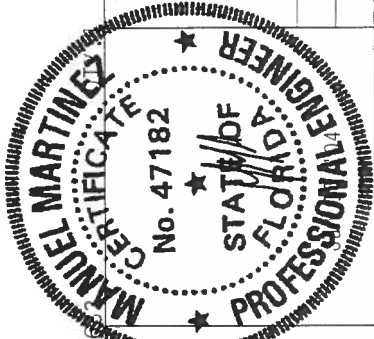
Scale = .375"/Ft.



Alpine Engineered Products, 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 1-01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 505 O'CONNOR DR., SUITE 200, HADISON, NJ 07733) AND WCA (WOOD TRUSS COUNCIL OF AMERICA, 6000 INTERNATIONAL BLVD., SUITE 100, HADISON, NJ 07733) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. THESE TRUSSES MUST BE PROPERLY ATTACHED TO THE BUILDING STRUCTURE. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED BRACE.

****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 CONCORDS WITH APPLICABLE PROVISIONS OF 2005 NATIONAL DESIGN SPEC., BY ACPA) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (4-W/5/3) ASH A653 GRADE 40/60 (A, K/B-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS TGA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2009 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SUELY FOR THE TPISS 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.



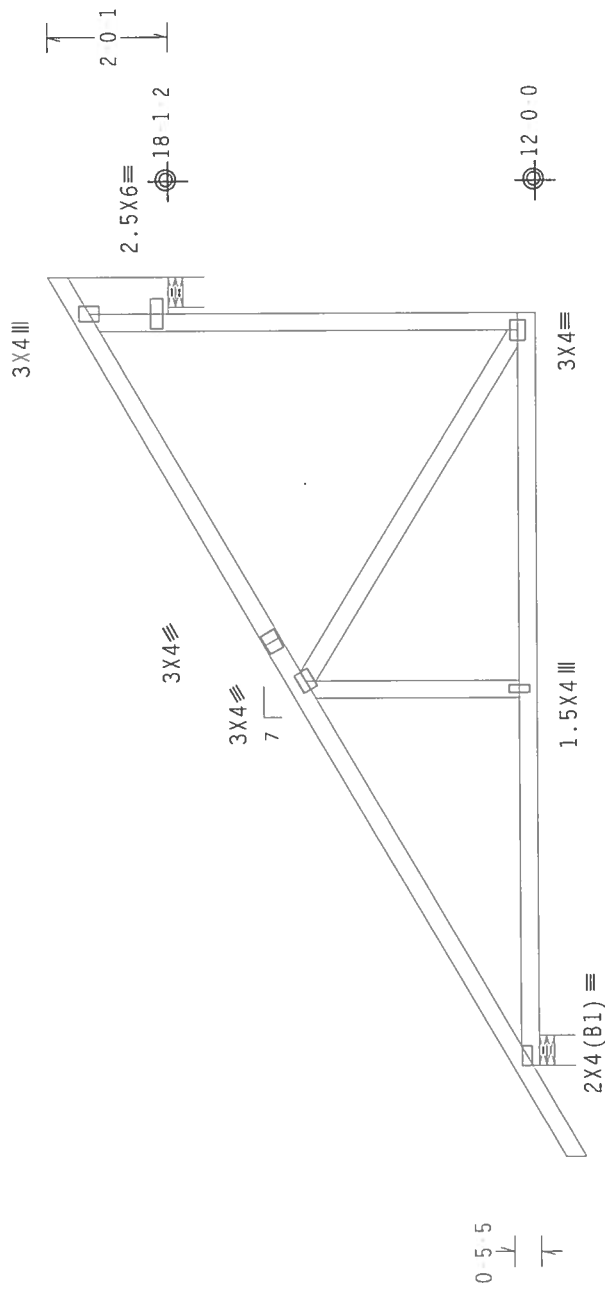
FL / - / 4 / - / - / R / -	TC LL	20.0 PSF	REF R487 - - 10308
TC DL	10.0 PSF	DATE 01/15/04	
BC DL	10.0 PSF	DRW HCUSR487 04015076	
BC LL	0.0 PSF	HC-ENG JB/MMA	
TOT.LD.	40.0 PSF	SEON - 64445	
DUR.FAC.	1.25		
SPACING	24.0"	JREF - 1S9K487_Z02	

(556A AARON SIMQUE/STEPHENS ROOF - 10309 MC)

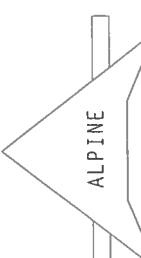
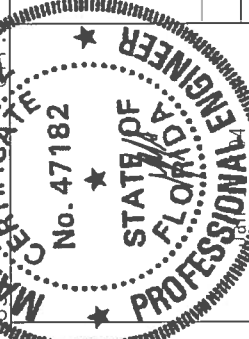
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x8 SP SS:

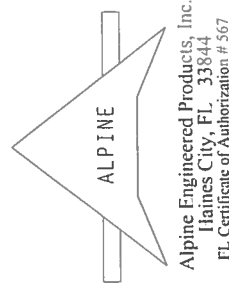
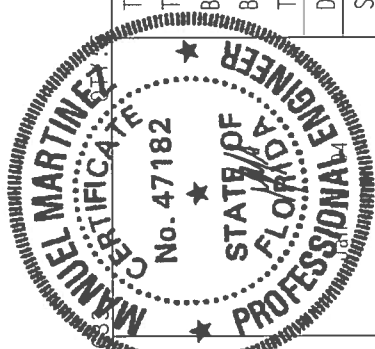
110 mph wind, 15.83 ft mean hgt, ASCE 7 98, CLOSED bldg, not located
within 4.50 ft from roof edge, CAT II, EXP B, wind TC DL=5.0 psf, wind BC
DL=5.0 psf.

Deflection meets L/360 live and L/240 total load.



L 1 6 0 J

PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FLBC	19	Scale = .3125"/Ft.
	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLATION AND BRACING. REFER TO RES 1.03 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 500 DUNDAS ST. E., SUITE 200, HAMILTON, ON L8N 3T9), AND MICA (GOOD TRUSS COUNCIL OF AMERICA, 6800 INTERPRET LANE, HAMILTON, ON L8N 3T9) FOR SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, ALL TOP CHORDS SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORDS SHALL HAVE A PROPERLY ATTACHED TOP CHORD. **IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERED PRODUCTS, INC. SHALL BE RESPONSIBLE FOR THE DESIGN OF THIS TRUSS. ANY FAILURE TO BUILD THE TRUSS IN ACCORDANCE WITH THE PREVIOUSLY MENTIONED DESIGN SPECIFICATIONS SHALL BE THE RESPONSIBILITY OF THE INSTALLER. THE SOLE RESPONSIBILITY FOR THE DESIGN OF THIS TRUSS IS THE RESPONSIBILITY OF THE BUILDING DESIGNER PER ANSI/TPI 1 SEC. 2.		
	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 R487-- 10309
			DATE 01/15/04
			DRW HCUSR487 04015077
			HC-ENG JB/MMA
			SEON- 64371
			JREF- 1S9K487_Z02

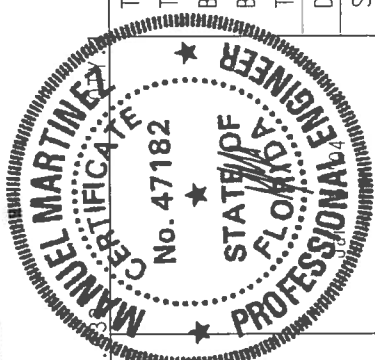
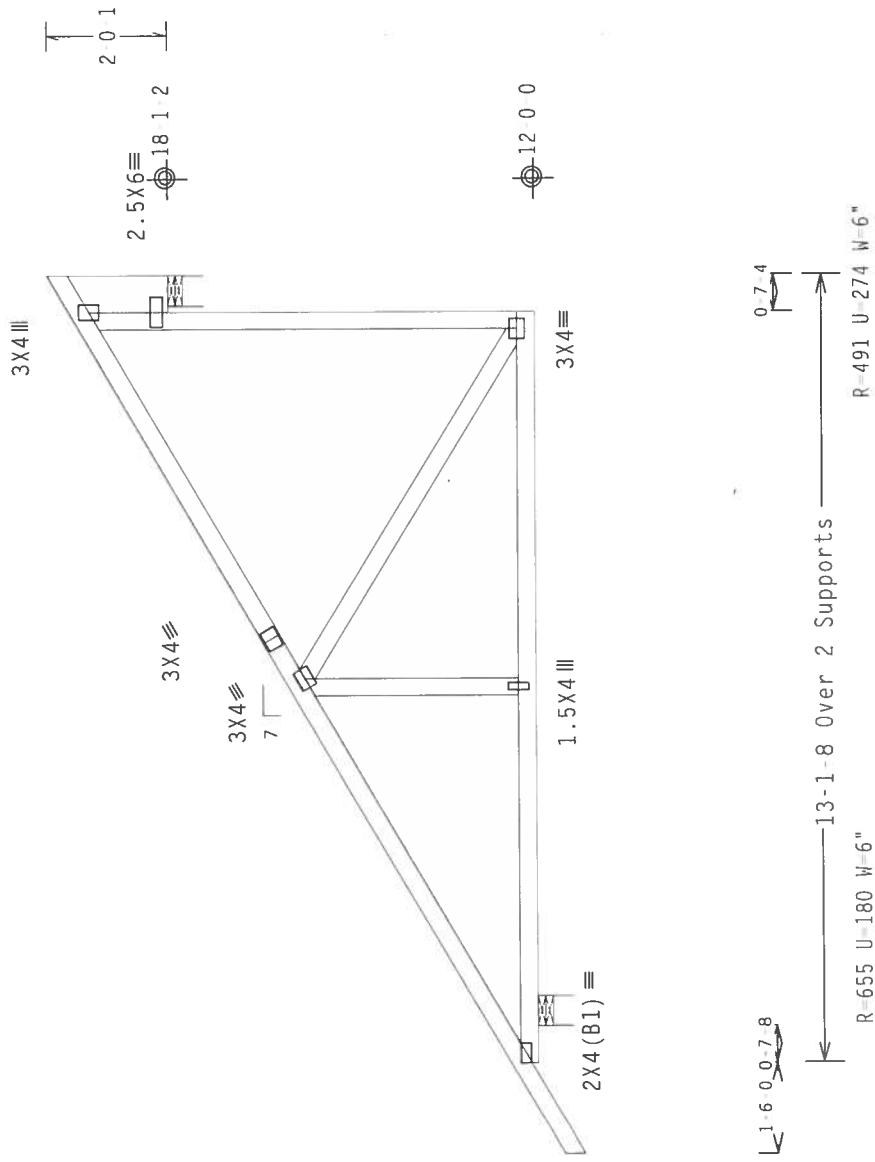


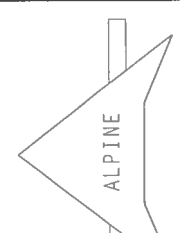
(556A AARON SIMQUE/STEPHENS ROOF 10310 MC)

Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3
:Rt Bearing Leg 2x8 SP SS:

110 mph wind, 15.83 ft mean hgt, ASCE 7 98, 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.

Deflection meets L/240 live and L/180 total load. Creep increase factor for dead load is 1.00.



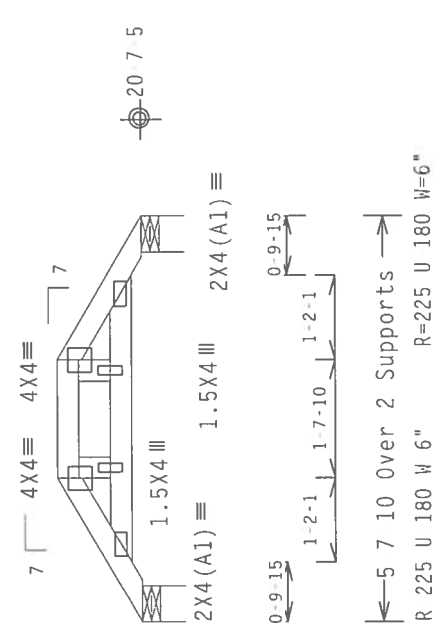
PLT TYP. Wave TPI	Design Crit: TPI-1995(STD)/FLBC	19	Scale = .3125"/Ft.
 Alpine Engineered Products, Inc. Haines City, FL 33844 FL Certificate of Authorization #567	**WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCSE 1-01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (PRESS PLATE INSTITUTE, 96 DODGERS DR., SUITE 200, HADSDON, NJ 07033) AND AISC (AISC TRUSS COMMITTEE OF AMERICA, 1100 N. 17TH ST., SUITE 100, HADSDON, NJ 07033) FOR SAFETY PRACTICES PRIOR TO FABRICATING TRUSSES. TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED PANEL.		
	IMPORTANT FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERS 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 AND BRACING OF TRUSSES, DESIGN CONFORMS WITH APPLICABLE PROVISIONS OF IBCS (NATIONAL DESIGN SPEC., BY AISC) AND TPI. ALPINE CONNECTOR PLATES ARE MADE OF 20/18/16GA (U-18/5/P) WITH A653 GRADE 40/60 (U, F/H-S) GALV. STEEL. APPLY PLATES TO EACH FACE OF TRUSS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS. TODA 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AISC 3.01 (1) 2002 SEC. 3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY. SUEPLY 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.		
	TC LL	20.0 PSF	FL / - / 4 / - / - / R / -
	TC DL	10.0 PSF	REF R487 - - 10310
	BC DL	10.0 PSF	DATE 01/15/04
	BC LL	0.0 PSF	DRW HCUSR487 04015078
	TOT.LD.	40.0 PSF	HC-ENG JB/MMA
	DUR.FAC.	1.25	SEON - 64381
	SPACING	24.0"	JREF - 1S9K487_Z02

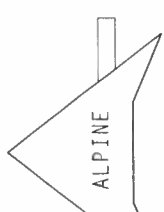
Top chord 2x4 SP #2 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 21.19 ft mean hgt, ASCE 7 98, 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.

Deflection meets L/360 live and L/240 total load.

REFER TO DWG PIGBACKA0203 OR PIGBACKB0203 FOR PIGGYBACK DETAILS.



PLT TYP. Wave TPI		Design Crit: TPI-1995(STD)/FLBC		Scale = .375"/Ft.	
 Alpine Engineering Products, Inc. Haines City, FL 33844 FL Certificate of Authorization # 567		19		TC LL	20.0 PSF
		19		TC DL	10.0 PSF
		19		BC DL	10.0 PSF
		19		BC LL	0.0 PSF
		19		TOT.LD.	40.0 PSF
19		DUR.FAC.	1.25	SEQN-	64717
19		SPACING	24.0"	JREF-	1S9K487_Z02

MANUEL MARTINEZ
CERTIFICATE
No. 47182
STATE OF FLORIDA
PROFESSIONAL ENGINEER

****WARNING**** TRUSSES PROVIDED EXPIRE DATE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BC51 1-01 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE), 500 DUNDREDD DR., SUITE 200, MADISON, WI 53719, AND MICA (WOOD TRUSS COUNCIL OF AMERICA, 6300 ENTERPRISE DR., 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 BRACE.

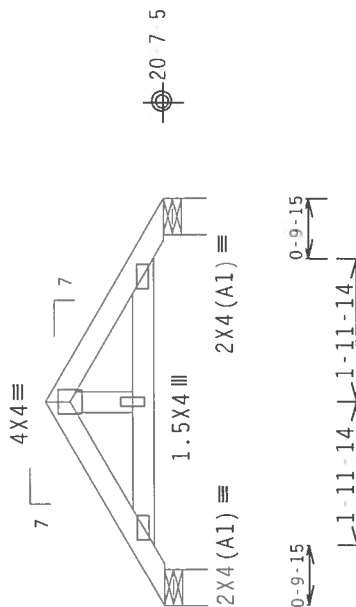
****IMPORTANT**** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ALPINE ENGINEERING PRODUCTS, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI, OR FABRICATING, HANDLING, SHIPPING, INSTALLING AND BRACING OF TRUSSES OR DESIGNER CONDITIONS WITH ANY MODIFICATIONS SHALL BE THE RESPONSIBILITY OF THE INSTALLER. APPLY PLATES TO EACH FACE OF TOPS AND, UNLESS OTHERWISE LOCATED ON THIS DESIGN, POSITION PER DRAWINGS 100A, 2. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC. 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 Dense
Bot chord 2x4 SP #2 Dense
Webs 2x4 SP #3

110 mph wind, 21.43 ft mean hgt, ASCE 7 98, 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.

Deflection meets L/360 live and L/240 total load.

REFER TO DWG PIGBACKA0203 OR PIGBACKB0203 FOR PIGGYBACK DETAILS.



← 5-7-10 Over 2 Supports →
R=225 U=180 W=6" R=225 U=180 W=6"

PLT TYP. Wave TPI

Design Crit: $\text{TPI-1995(STD)}/\text{FLBC}$

19

FL/-/4/-/-/R/-

Scale = .375"/Ft.

EF R487-- 10312

DATE 01/15/04

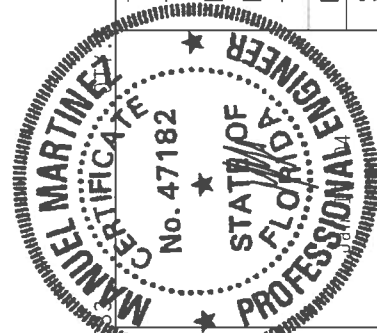
RW HC115B487 04015080

ENC 1D / MMA

CONG JB/MMA

UN- 64722

*WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. CONTACT US TO DISCUSS BUILDING COMPONENT SAFETY AND APPLICATION. PUBLISHED BY THE CROSS PLATE INSTITUTE, 593 WEST 10TH STREET, SUITE 200, MADISON, WI 53719. AND MICA, CROSS PLATE OF AMERICA, 6100 ENTERPRISE DRIVE, MADISON, WI 53719. HAVE SAFETY PRACTICES PRIOR TO PERFORMING THESE FUNCTIONS. UNLESS OTHERWISE INDICATED, CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE PROPERLY ATTACHED

[illegible]

ALPINE

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

