

(COLUMN2 - 22' Wall Height 4ply 2X6)

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

This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center. Supply a copy of this design to the building designer and building contractor.

Refer to the H1B-98 post frame summary sheet by TPI for information on installation of bracing.

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load Importance factor=1.00, snow load Importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.
End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 4-2X6 SPF 1650F-1.5E untreated
** 4-2X6 SP #2 treated to .60 treatment retention level

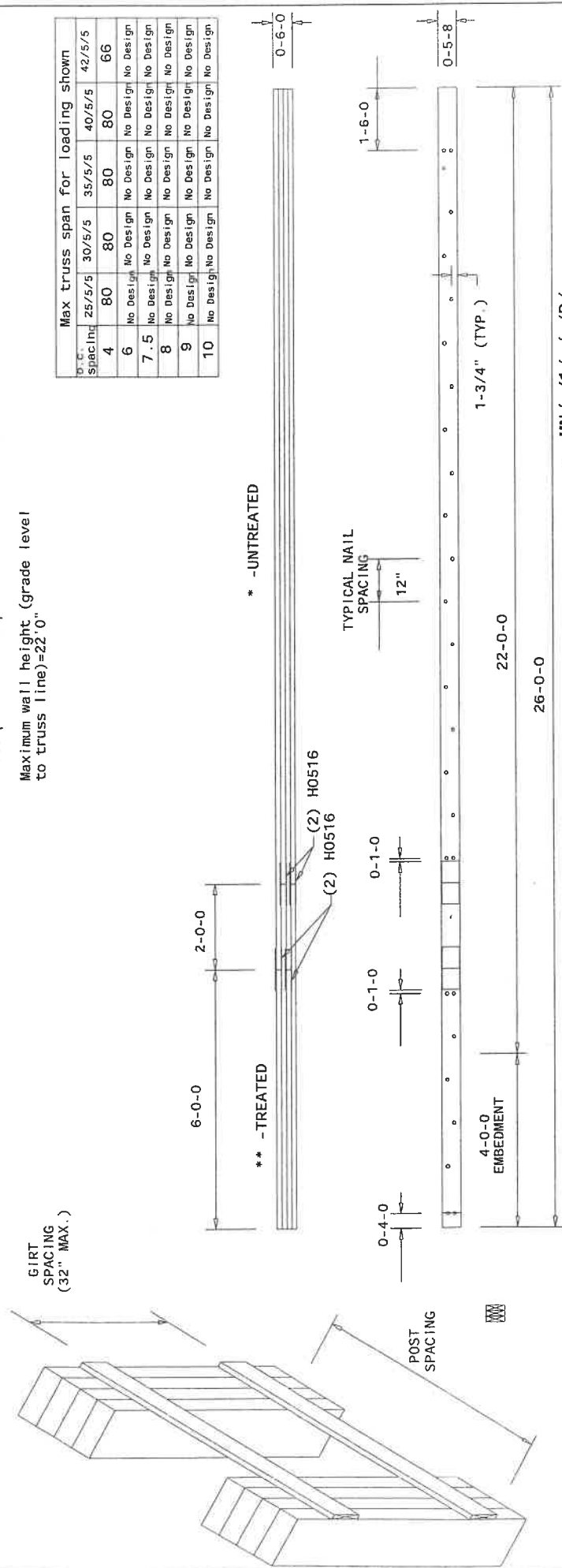
Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0516 20GA.

Maximum wall height (grade level to truss line)=22'0"

Max truss span for loading shown						
Spacing	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5	
4	80	80	80	80	80	66
6	No Design	No Design	No Design	No Design	No Design	No Design
7.5	No Design	No Design	No Design	No Design	No Design	No Design
8	No Design	No Design	No Design	No Design	No Design	No Design
9	No Design	No Design	No Design	No Design	No Design	No Design
10	No Design	No Design	No Design	No Design	No Design	No Design



* -UNTREATED

** -TREATED

MN/-1/-/-R/-

TRUSS REPAIR

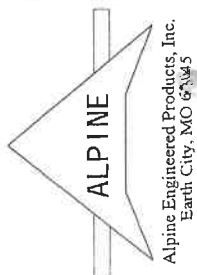
DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

I HEREBY CERTIFY THAT THIS PROJECT IS THE PROPERTY OF ALPINE ENGINEERED PRODUCTS, INC. AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NORMAN D WOOD
DATE May 12 '04
REG. NO. 13305
DESIGN UNDER TPI-85 CRITERIA

REF R7113-11111
DATE 03/20/03
DRW M0USR7113 04132003
MO-ENG SAS/NDW
FROM DJ
JREF- 15047113Z01



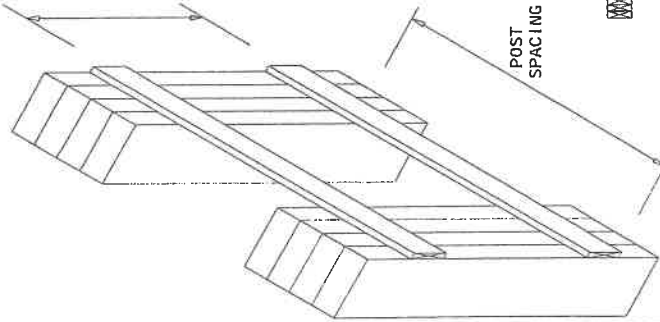
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Post shall be braced laterally by wall girts spaced at a maximum of 32" on center.

Supply a copy of this design to the building designer and building contractor.

Refer to the BCSI-BTO SUMMARY SHEET (Post Frame Truss Installation and Bracing) by TPI/WTCA for information on installation of bracing.

GIRT
SPACING
(32" MAX.)



POST
SPACING

6-0-0

2-0-0

** - TREATED

* - UNTREATED

(2) H0510
(2) H0510

0-4-0

0-1-0

0-1-0

0-1-0

4-0-0
EMBEDMENT

18-0-0

22-0-0

1-3/4" (TYP.)

TYPICAL NAIL
SPACING

12"

1-6-0

0-5-8

0-6-0

Max truss span for loading shown						
o.c. spacing	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5	
4	80	80	80	80	80	
6	80	80	80	79	62	
7.5	27	24	21	20	No Design	
8	No Design	No Design	No Design	No Design	No Design	
9	No Design	No Design	No Design	No Design	No Design	
10	No Design	No Design	No Design	No Design	No Design	

Maximum wall height (grade level to truss line)=18'0"

Truss plates are alpine series H0510 20GA.

Wind load per ASCE-7-02: design wind speed=90, exposure C
Wind load importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 4-2X6 SPF 1650F-1.5E untreated
** 4-2X6 SP #2 treated to .60 treatment retention level

Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated. Nails are pestode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

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ALPINE

ITW Building Components Group, Inc.
63045

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NORMAN WOOD

DATE

Jul 19 '07

REG. NO. 13895

REF R7113-11111

DATE 07/19/07

DRW MOUSR7113 07200007

MO-ENG JY/NDW

FROM DJ

JRE 113201

(COLUMN2 - 17' Wall Height 4ply 2X6)

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load Importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.
End wall post require lateral support ("wind bracing") at truss bottom elevation.

Lumber: * 4-2X6 SPF 1650F-1.5E untreated
 ** 4-2X6 SP #2 treated to .60 treatment retention level

Preservative treatment: The treated portion of the post shall be treated with a non corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

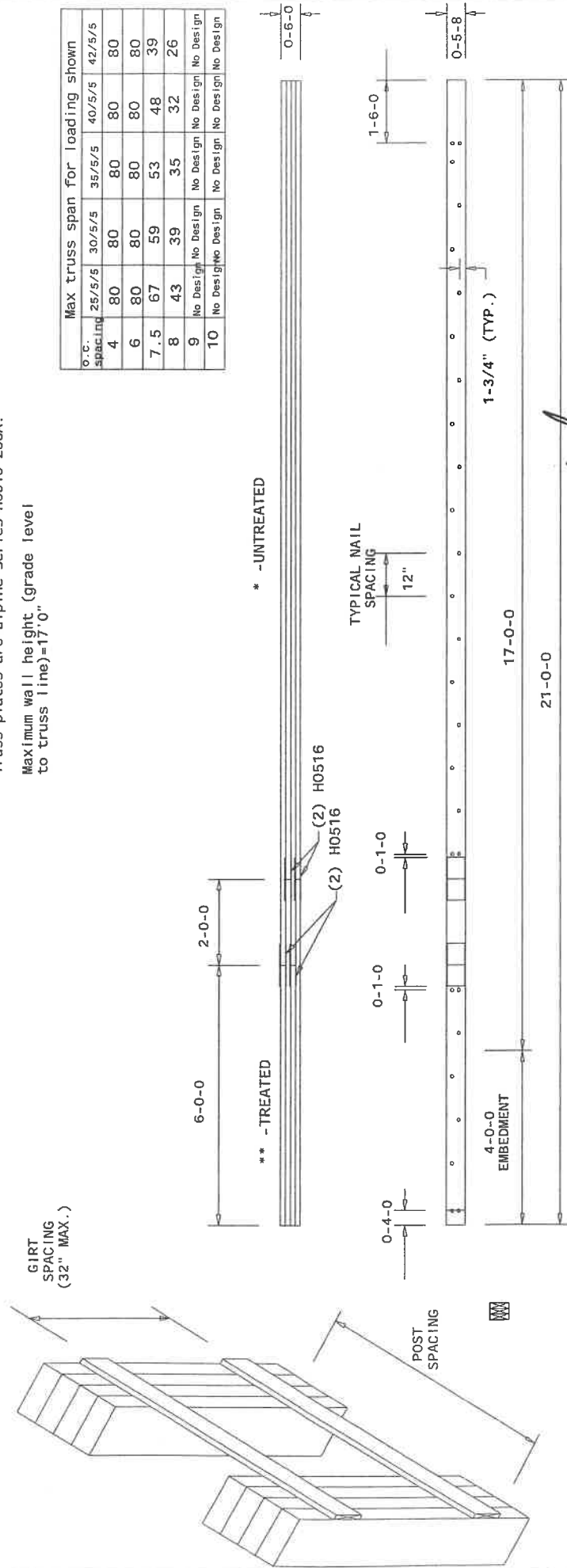
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Truss plates are alpine series H0516 20GA.

Maximum wall height (grade level to truss line)=17'-0"

[illegible]

TRUSS REPAIR

DATE	REG. NO. 13885	FROM	DJ
NORMAN D. WOOD		DRW	MOUSR7113 04132006
May 12 '04		MO-ENG	SAS/NDW
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, REPORT, OR RECORD WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA		REF	R7113-11111
		DATE	03/20/03
		IDEE 2471113701	

Alpine Engineered Products, Inc.
Earth City, MO 63045

Wind load per ASCE-7-02: design wind speed=90, exposure C
Wind load importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 4-2X6 SPF 1650f-1.5E untreated
 ** 4-2X6 SP #2 treated to .60 treatment retention level

Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to

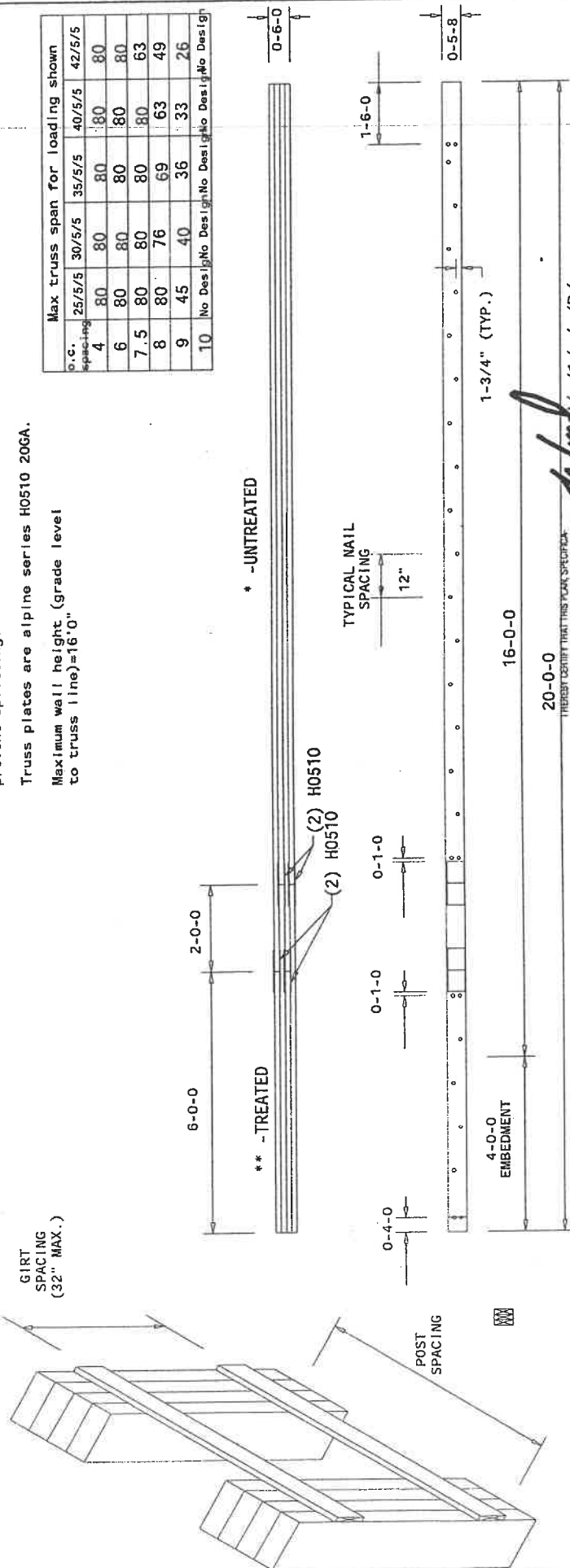
Refer to the BCS1-B10 SUMMARY SHEET (Post Frame Truss Installation and Bracing) by TPI/WTCA for information on installation of bracing.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0510 20GA.

Maximum wall height (grade level to truss line) = 16'0"

		Max truss span for loading shown							
No. c. separating	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5				
4	80	80	80	80	80				
6	80	80	80	80	80				
7.5	80	80	80	80	80	63			
8	80	76	69	63	49				
9	45	40	36	33	26				
10	No Design	No Design	No Design	No Design	No Design				



TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

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20-0-0

NORMAN D. WOOD
JUL 19 '07
DATE
REG. NO. 13305

REF R7113-11111

DATE 07/19/07

DRW MOUSR7113 07200005

MO-ENG JY/NDW

FROM DJ
JREF- '7113Z01

MINIMUM RECOMMENDED EMBEDMENT DEPTH 4.0 FT. FOUNDATION DESIGN BY OTHERS.
 END WALL POSTS REQUIRE LATERAL SUPPORT ("WIND BRACING") AT TRUSS BOTTOM
 CHORD ELEVATION.

LUMBER: * 4-2x6 SPF 1650-1.5E UNTREATED
 ** 4-2x6 SP #2 TREATED TO .60 TREATMENT RETENTION LEVEL

PRESERVATIVE TREATMENT: THE TREATED PORTION OF THE POST SHALL BE TREATED WITH A NON CORROSIVE TREATMENT FOR USE IN THE GROUND. IT SHALL BE RE-DRIED AFTER TREATMENT TO MC 19, AND BE STAMPED WITH A QUALITY MARK THAT IT HAS BEEN SO TREATED.

NAILS ARE PASLODE TLN R.S. 3.50" x 0.131" DIAMETER. NAILS INDICATED ARE TO BE INSTALLED THROUGH EACH PLY OF POST. STAGGER NAILS WITH RESPECT TO ADJACENT PLY TO PREVENT SPLITTING.

TRUSS PLATES ARE ALPINE SERIES HS412 20GA OR KS514 16GA.

WALL HEIGHT (GRADE LEVEL TO TRUSS LINE) = 14'0"

WALL HEIGHT (GRADE LEVEL TO TRUSS LINE) = 14'-0"

	25/5/5	30/5/5
4	80	80
7.5	80	80
8	80	80
9	80	80

2-HS412

1
0-6-0
1

..* - UNTREATED

TYPICAL NAIL
SPACING

2-HS412
**-TREATEDPOST
SPACING

0-1-0

1-3/4" (TYP.)

14-0-0

4-0-0
EMBEDMENT

18-0-0

MN/-/1/-/-/-/

HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

ALPINE

Alpine Engineering
Earth City, Missouri 63045

REF R7113-11111
DATE 05/12/99
DRW M0USR7113 90132015
M0-ENG /BAF
SEQN - 12089
FROM SMS

DATE May 13 1969 REG. NO. 19742

DESIGN UNDER TPI-95 CRITERIA

This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center. Supply a copy of this design to the building designer and building contractor. Refer to the HIB-98 post frame summary sheet by TPI for information on installation of bracing.

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.
End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 3-2X6 SPF 1650F-1.5E untreated
** 3-2X6 SP #2 treated to .60 treatment retention level

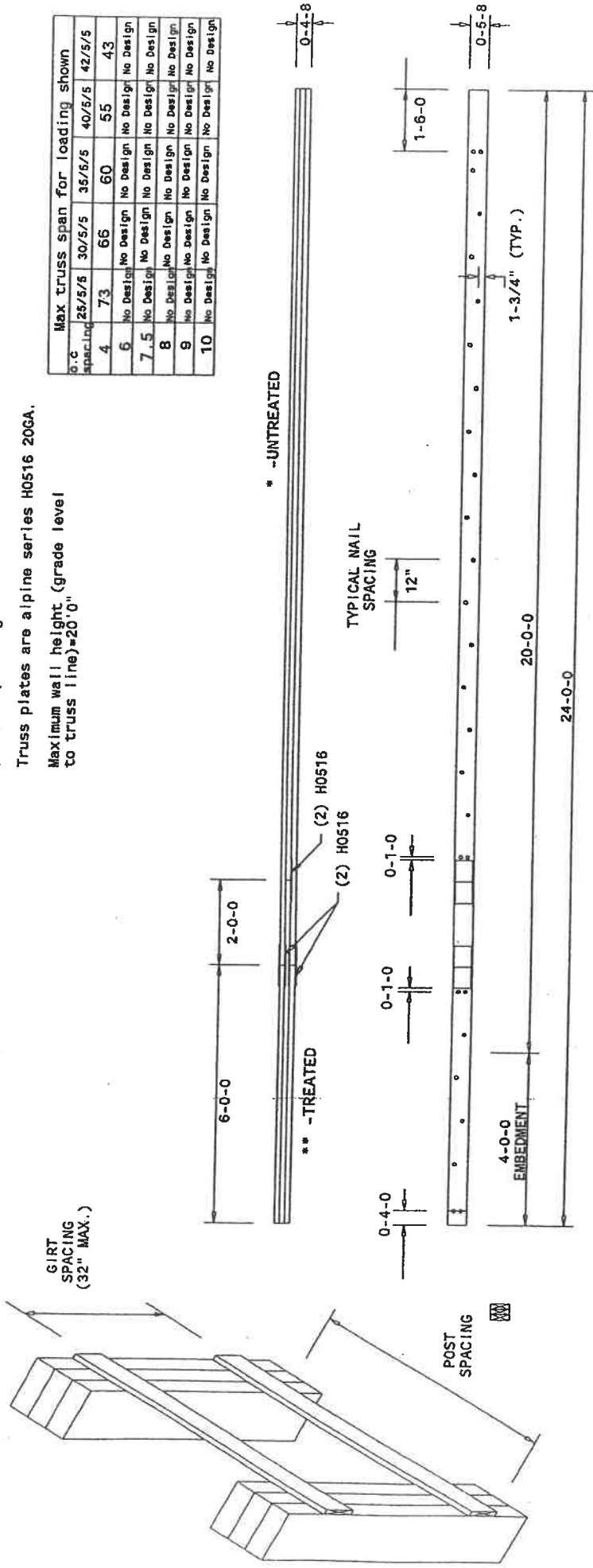
Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0516 20GA.

Maximum wall height (grade level to truss line)=20'-0"

Max truss span for loading shown					
Max truss span for loading shown	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5
4	73	66	60	55	43
6	No Design	No Design	No Design	No Design	No Design
7.5	No Design	No Design	No Design	No Design	No Design
8	No Design	No Design	No Design	No Design	No Design
9	No Design	No Design	No Design	No Design	No Design
10	No Design	No Design	No Design	No Design	No Design



TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

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MN/-1/-1/-R/-

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF THE ORIGINAL DRAWING AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NORMAN Q. WOOD
DATE May 12 '04
REG. NO. 13085
DESIGN UNDER TPI-95 CRITERIA

REF R7113-11111

DATE 03/20/03

DRW M05R7113 04132010

MO-ENG SAS/NDW

FROM DJ

JREF-17 13Z01

ALPINE

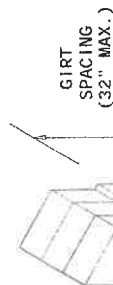
Alpine Engineered Products, Inc.
Earth City, MO 63045

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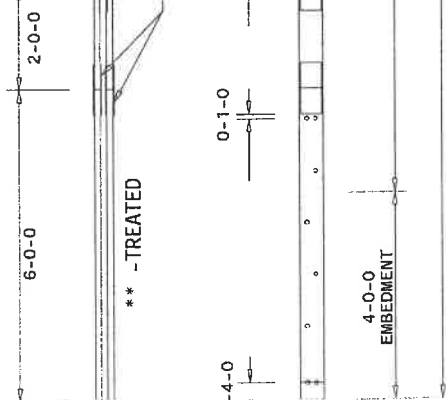
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GIRT
SPACING
(32" MAX.)

POST
SPACING



** - TREATED

(2) H0510
(2) H0510

* - UNTREATED

TYPICAL NAIL
SPACING

0-4-0
0-1-0
0-1-0
0-1-0

4-0-0
EMBEDMENT

18-0-0

22-0-0

1-3/4" (TYP.)

1-6-0

0-4-8

0-5-8

Max truss span for loading shown									
D.C.	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5	44/5/5	46/5/5	48/5/5	50/5/5
4	80	80	80	80	80	80	80	80	80
6	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design
7, 5	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design
8	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design
9	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design
10	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design

Truss plates are alpine series H0510 20GA.

Maximum wall height (grade level to truss line)=18'0"

Wind load per ASCE-7-02: design wind speed=90, exposure C
Wind load importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

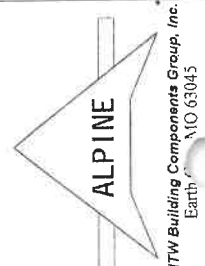
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TRUSS REPAIR

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I HEREBY CERTIFY THAT THIS PLAN SPECIFICALLY FOR THE REPORT WAS PREPARED BY ME OR BY AN ENGINEER OR ARCHITECT REGISTERED IN THE STATE OF ILLINOIS.

DATE: Jul 19 '07
REG NO. 12385

REF	R7113-1111
DATE	07/19/07
DRW	MOUSR7113 07200003
MO-ENG	JY/NDW
FROM	DJ
JREF-	7113Z01

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load Importance factor=1.00, snow load Importance factor=1.00
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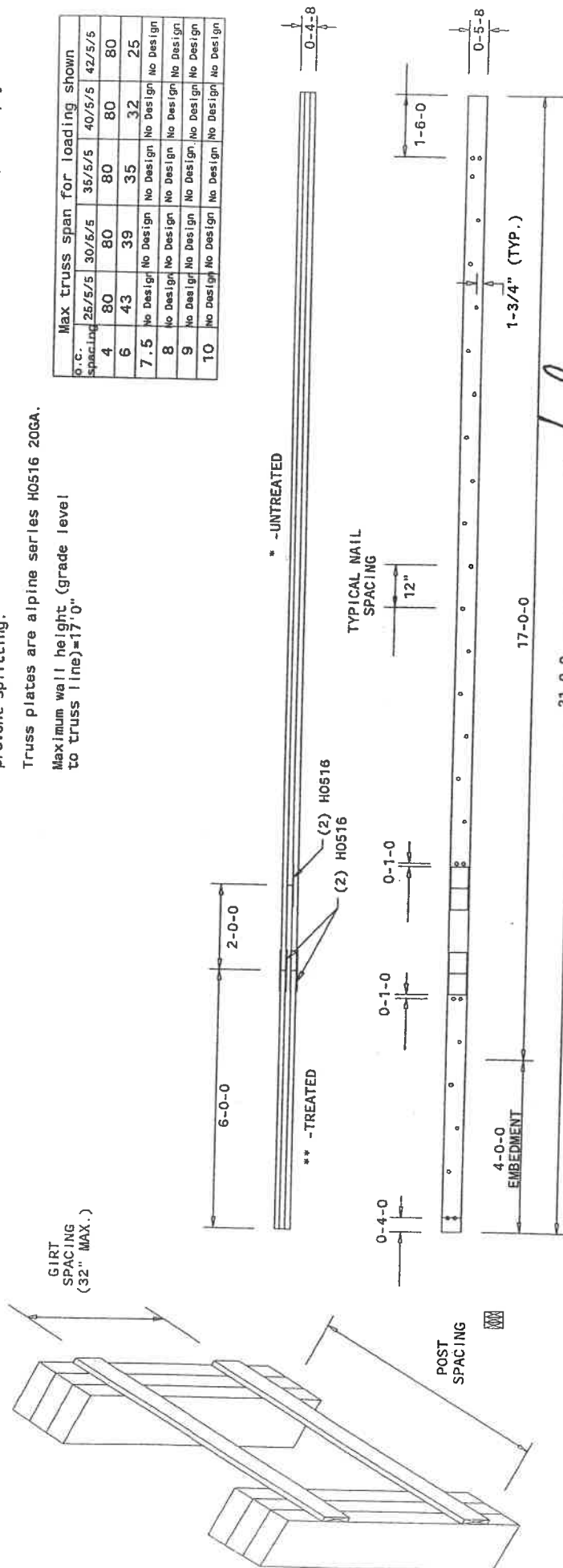
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Maximum wall height (grade level to truss line)=17'0"

[illegible]

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NORMAN D WOOD
May 12 '04

DATE _____ REG. NO. 133915

DESIGN UNDER TPI-85 CRITERIA

REF R7113-111111

DATE 03/20/03

DRW MOUSR7113 04132023

MO-ENG SAS/NDW

FROM DJ

JREF- 1S '13Z01

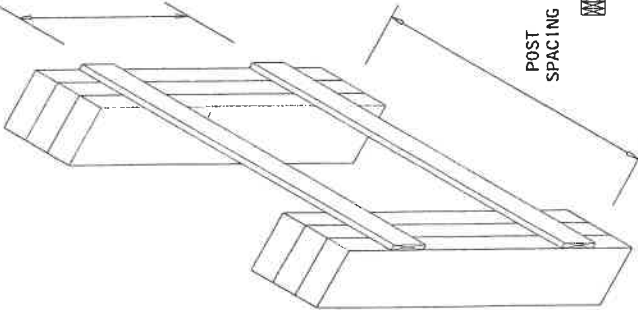
This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center.

Supply a copy of this design to the building designer and building contractor.

Refer to the BCSI-B10 SUMMARY SHEET (Post Frame Truss Installation and Bracing) by TPI/WTCA for information on installation of bracing.

GIRT
SPACING
(32" MAX.)

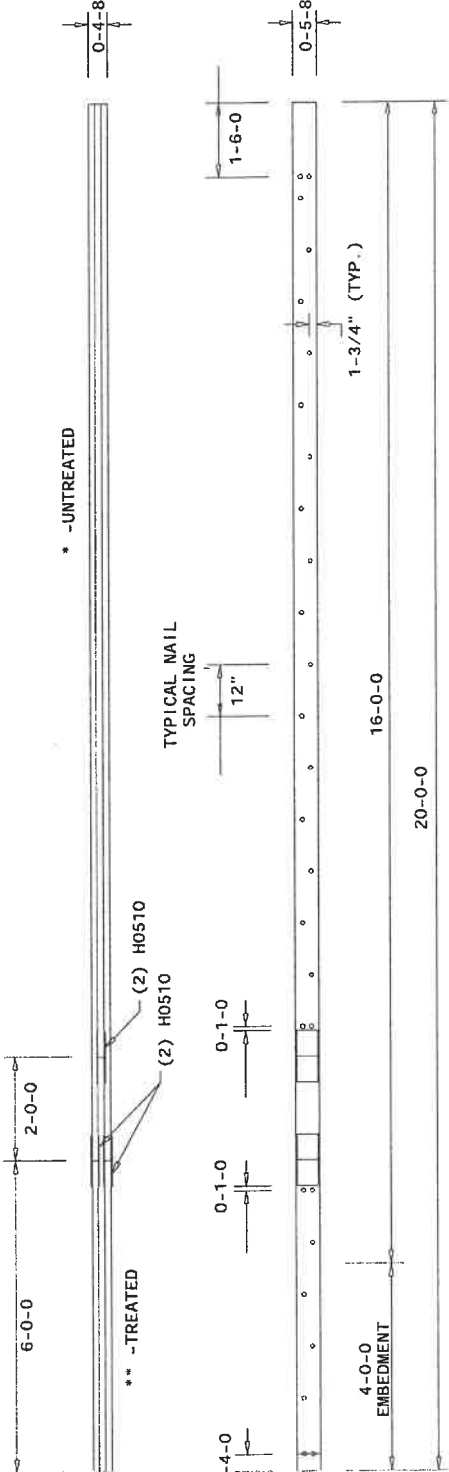


POST
SPACING

Max truss span for loading shown									
o.c. spacing		25/5/5	30/5/5	35/5/5	40/5/5	42/5/5			
4	80	80	80	80	80	80			
6	80	76	69	63	49				
7.5	No Design	No Design	No Design	No Design	No Design	No Design			
8	No Design	No Design	No Design	No Design	No Design	No Design			
9	No Design	No Design	No Design	No Design	No Design	No Design			
10	No Design	No Design	No Design	No Design	No Design	No Design			

Truss plates are alpine series H0510 20GA.

Maximum wall height (grade level to truss line)=16'-0"



* -UNTREATED

** -TREATED

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

ALPINE

ITW Building Components Group, Inc.
Earth City, MO 63045

I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI.

Norman J. Wood
JUL 19 '07
REG. NO. 13885

NORMAN J. WOOD
DATE

REF R7113-11111
DATE 07/19/07
DRW MOUR7113 07200002
MO-ENG JY/NDW

FROM DJ
JREF- 7113Z01

(COLUMN2 - 14' Wall Height 3ply 2X6)

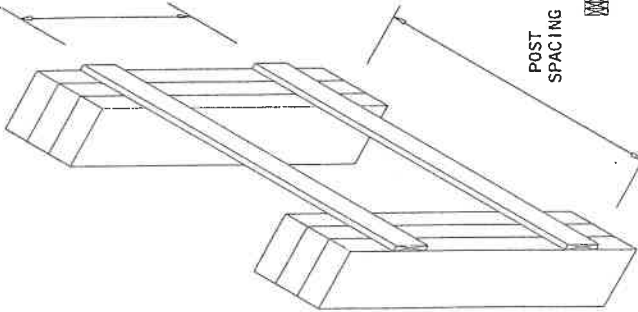
This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center.

Supply a copy of this design to the building designer and building contractor.

Refer to the BCS1-B10 SUMMARY SHEET (Post Frame Truss Installation and Bracing) by TPI/WTCA for information on installation of bracing.

GIRT
SPACING
(32" MAX.)



POST
SPACING

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

Wind load per ASCE-7-02: design wind speed=90, exposure C
Wind load importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 3-2X6 SPF 1650F-1.5E untreated
** 3-2X6 SP #2 treated to .60 treatment retention level

Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated. Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0510 20GA or H0612 20GA.

Maximum wall height (grade level to truss line)=14'0"

Max truss span for loading shown					
O.C. spacing	25/5/5	30/5/5	35/5/5	40/5/5	
4	80	80	80	80	80
6	80	80	80	80	80
7.5	80	80	80	77	71
8	73	66	60	55	
9	36	32	29	27	
10	No Design	No Design	No Design	No Design	

* -UNTREATED

** -TREATED

(2) H0510
(2) H0510

6-0-0

2-0-0

0-1-0

0-1-0

0-1-0

0-1-0

0-1-0

0-1-0

0-1-0

0-1-0

0-1-0

0-1-0

0-1-0

0-1-0

POST
SPACING

4-0-0
EMBEDMENT

14-0-0

18-0-0

1-3/4" (TYP.)

1-6-0

0-5-8

0-4-8

I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER IN THE STATE OF ALABAMA.

Signature: *Norman J. Wood*
Date: Jul 19 '07
REG. NO. 13365

WARNING** TRUSSES REQUIRE EXTREME CARE IN FABRICATION, HANDLING, SHIPPING, INSTALLING AND BRACING. REFER TO BCS1 (BUILDING COMPONENT SAFETY INFORMATION), PUBLISHED BY TPI (TRUSS PLATE INSTITUTE, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND TPI'S TRUSSING MANUAL (TPI TRUSSING MANUAL, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) FOR ADDITIONAL INFORMATION. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING.

IMPORTANT** FURNISH A COPY OF THIS DESIGN TO THE INSTALLATION CONTRACTOR. ITW BUILDING COMPONENTS GROUP, INC. SHALL NOT BE RESPONSIBLE FOR ANY DEVIATION FROM THIS DESIGN. ANY FAILURE TO BUILD THE TRUSS IN CONFORMANCE WITH TPI OR FABRICATING, HANDLING, SHIPPING, INSTALLING & BRACING OF TRUSSES. DESIGN CONFORMS WITH TPI'S TRUSSING MANUAL (TPI TRUSSING MANUAL, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) AND TPI'S TRUSSING MANUAL (TPI TRUSSING MANUAL, 218 NORTH LEE STREET, SUITE 312, ALEXANDRIA, VA, 22304) FOR ADDITIONAL INFORMATION. UNLESS OTHERWISE INDICATED TOP CHORD SHALL HAVE PROPERLY ATTACHED STRUCTURAL PANELS AND BOTTOM CHORD SHALL HAVE A PROPERLY ATTACHED RIGID CEILING. ANY INSPECTION OF PLATES FOLLOWED BY (1) SHALL BE PER ANNEX A3 OF TPI-2002 SEC.3. A SEAL ON THIS DRAWING INDICATES ACCEPTANCE OF PROFESSIONAL ENGINEERING RESPONSIBILITY SOLELY FOR THE TRUSS COMPONENT DESIGN SHOWN. THE SUITABILITY AND USE OF THIS COMPONENT FOR ANY BUILDING IS THE RESPONSIBILITY OF THE BUILDING DESIGNER. PER ANSI/TPI 1 SEC. 2.

ALPINE

ITW Building Components Group, Inc.
10 63045

REF	R7113-10539
DATE	07/19/07
DRW	MOUSR7113 07200001
MO-ENG	JY/NDW
FROM	DJ
JR	7113Z01

This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center.

Supply a copy of this design to the building designer and building contractor.

Refer to the HIB-98 post frame summary sheet by TPI for information on installation of bracing.

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 4-2X8 SPF 1650F-1.5E untreated
** 4-2X8 SP #2 treated to .60 treatment retention level

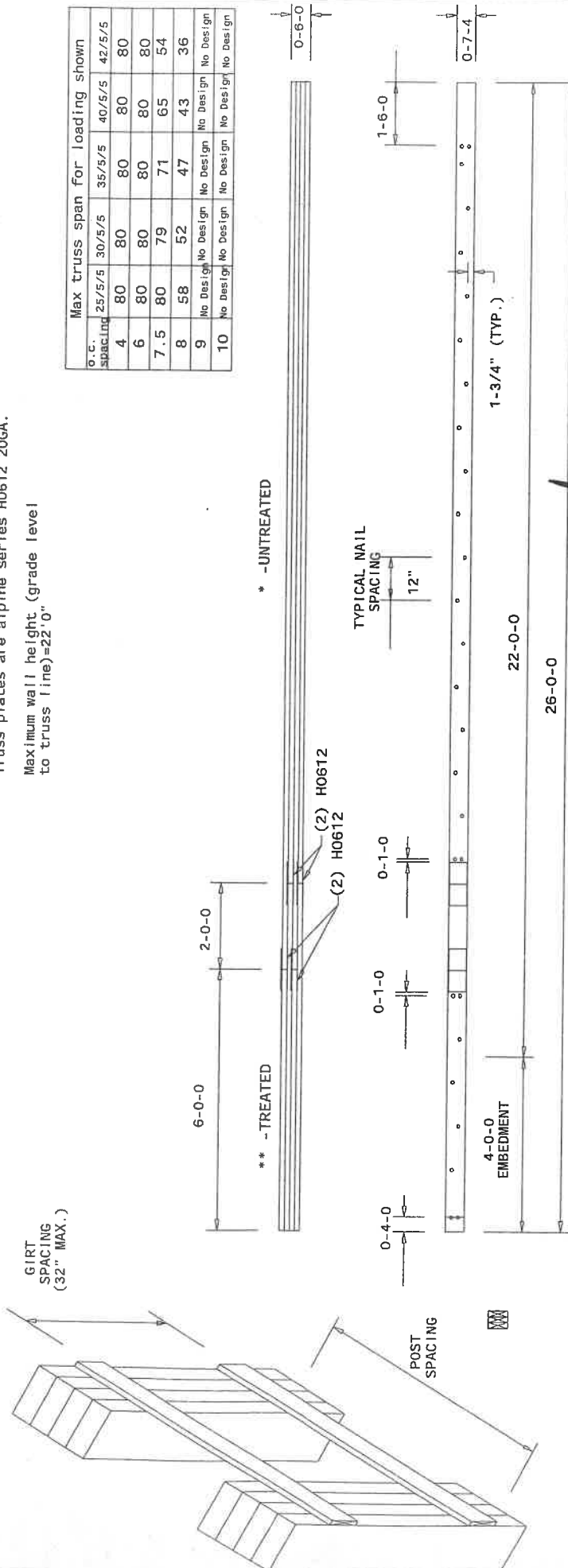
Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0612 20GA.

Maximum wall height (grade level to truss line)=22'0"

O.C. spacing	Max truss span for loading shown					
	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5	
4	80	80	80	80	80	80
6	80	80	80	80	80	80
7.5	80	79	71	65	54	
8	58	52	47	43	36	
9	No Design	No Design	No Design	No Design	No Design	No Design
10	No Design	No Design	No Design	No Design	No Design	No Design



TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, AND CALCULATIONS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NORMAN D. WOOD
DATE May 12 '04
REG. NO. 13305
DESIGN UNDER TPI-98 CRITERIA

MN/-/1/-/-/R/-

REF	R7113-1111
DATE	03/20/03
DRW	MOUSR7113 04132015
MO-ENG	SAS/NDW
FROM	DJ
JREF-	1SCU7113Z01

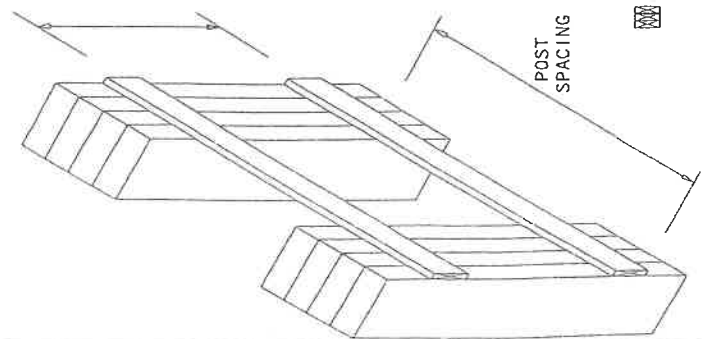
ALPINE

Alpine Engineered Products, Inc.
Earth City, MO 63045

criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shear walls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center. Supply a copy of this design to the building designer and building contractor.

Refer to the HIB-98 post frame summary sheet by TPI for information on installation of bracing.



GIRT
SPACING
(32" MAX.)

POST
SPACING

6-0-0

2-0-0

** - TREATED

(2) H0612
(2) H0612

* - UNTREATED

TYPICAL NAIL
SPACING
12"

0-4-0

0-1-0

0-1-0

4-0-0
EMBEDMENT

1-3/4" (TYP.)

20-0-0

24-0-0

1-6-0

0-6-0

0-7-4

Max truss span for loading shown									
O.C. Spacing	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5	44/5/5	46/5/5	48/5/5	50/5/5
4	80	80	80	80	80	80	80	80	80
6	80	80	80	80	80	80	80	80	80
7.5	80	80	80	80	80	80	80	80	80
8	80	80	80	80	80	80	80	80	80
9	80	80	80	80	80	80	80	80	55
10	42	38	34	32	26				

Wind load Importance Factor=1.00, snow load Importance Factor=1.00

Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 4-2X8 SPF 1650F-1.5E untreated
** 4-2X8 SP #2 treated to .60 treatment retention level

Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0612 20GA.

Maximum wall height (grade level to truss line)=20'0"

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

I HEREBY CERTIFY THAT THIS DRAWING IS A TRUE AND CORRECT REPRESENTATION OF THE TRUSS AS REPORTED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

NORMAN D. WOOD May 12 '04

DATE REG. NO. 10385

DESIGN UNDER TPI AS CRITERIA

REF R7113-11111

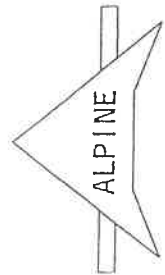
DATE 03/20/03

DRW MOUSR7113 04132014

MO-ENG SAS/NDW

FROM DJ

JREF-1SCU7113Z01

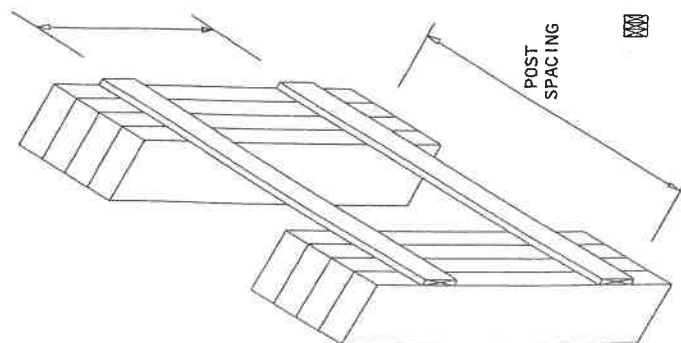


Alpine Engineered Products, Inc.
Earth City, MO 63045

This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center. Supply a copy of this design to the building designer and building contractor.

Refer to the H1B-98 post frame summary sheet by TPI for information on installation of bracing.



GIRT
SPACING
(32" MAX.)

POST
SPACING

6-0-0

2-0-0

** -TREATED

* -UNTREATED

(2) H0612

(2) H0612

0-4-0

0-1-0

0-1-0

TYPICAL NAIL
SPACING
12"

1-6-0

4-0-0
EMBEDMENT

18-0-0

1-3/4" (TYP.)

22-0-0

0-6-0

0-7-4

Max truss span for loading shown						
O.C. spacing	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5	
4	80	80	80	80	80	80
6	80	80	80	80	80	80
7.5	80	80	80	80	80	80
8	80	80	80	80	80	80
9	80	80	80	80	80	80
10	80	80	80	80	80	80

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load Importance factor=1.00, snow load importance factor=1.00

Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 4-2X8 SPF 1650F-1.5E untreated
** 4-2X8 SP #2 treated to .60 treatment retention level

Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0612 20GA.

Maximum wall height (grade level
to truss line)=18'0"

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

HERBERT GERRY, P.E.
DIRECTOR OF REPAIRS
ALPINE ENGINEERED PRODUCTS, INC.
A FULLY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MINNESOTA

MA/-/1/-/-/R/-

REF R7113-11111
DATE 03/20/03
DRW MOUSR7113 04132017
MO-ENG SAS/NDW

NORMAN D WOOD May 12 '04
DATE REG NO. 13385
DESIGN UNDER TPI-88 CRITERIA

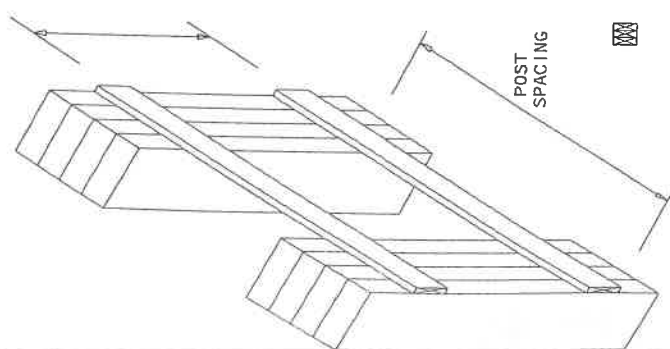
ALPINE

Alpine Engineered Products, Inc.
Earth City, MO 63045

FROM DJ
JREF - 15017113Z01

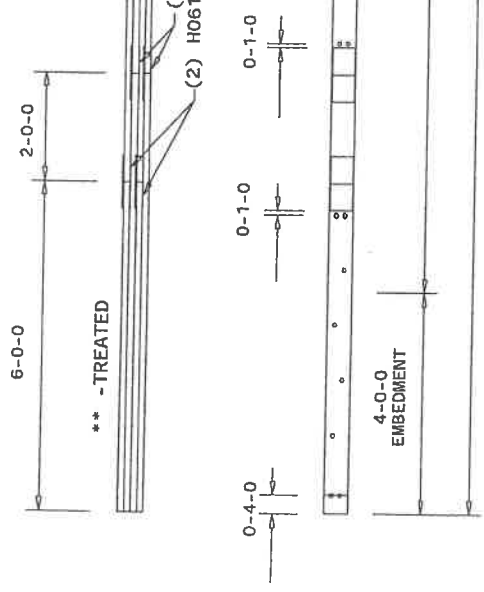
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Post shall be braced laterally by wall girts spaced at a maximum of 32" on center. Supply a copy of this design to the building designer and building contractor. Refer to the HIB-98 post frame summary sheet by TPI for information on installation of bracing.



GIRT
SPACING
(32" MAX.)

POST
SPACING



6-0-0

** - TREATED

(2) H0612

0-1-0

0-1-0

4-0-0
EMBEDMENT

17-0-0

21-0-0

* - UNTREATED

TYPICAL NAIL
SPACING
12"

1-6-0

1-3/4" (TYP.)

0-7-4

0-6-0

Max truss span for loading shown					
0-0-0 Spacing	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5
4	80	80	80	80	80
6	80	80	80	80	80
7.5	80	80	80	80	80
8	80	80	80	80	80
9	80	80	80	80	80
10	80	80	80	80	80

Wind load per ASCE-7: design wind speed=90, exposure C

Wind load importance factor=1.00, snow load importance factor=1.00

Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 4-2X8 SPF 1650F-1.5E untreated

** 4-2X8 SP #2 treated to .60 treatment retention level

Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0612 20GA.

Maximum wall height (grade level to truss line)=17'0"

TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

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I HEREBY CERTIFY THAT THE TRUSS MANUFACTURER HAS BEEN ADVISED OF THE DAMAGE TO THE TRUSS AND THAT I AM A QUALIFIED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

NORMAN D. WOOD May 12 '04

DATE REG. NO. 13385

DESIGN UNDER TPI-HS CRITERIA

MN/-1/-/-/R/-

REF R7113-11111

DATE 03/20/03

DRW MOUSR7113 04132016

MO-ENG SAS/NDW

FROM DJ

JREF-1SCU7113Z01

ALPINE

Alpine Engineered Products, Inc.
Earth City, MO 63045

This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center. Supply a copy of this design to the building designer and building contractor. Refer to the HIB-98 post frame summary sheet by TPI for information on installation of bracing.

Wind load per ASCE-7: design wind speed=90, exposure C.
Wind load importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.
End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 4-2X8 SPF 1650f-1.5E untreated
** 4-2X8 SP #2 treated to .60 treatment retention level

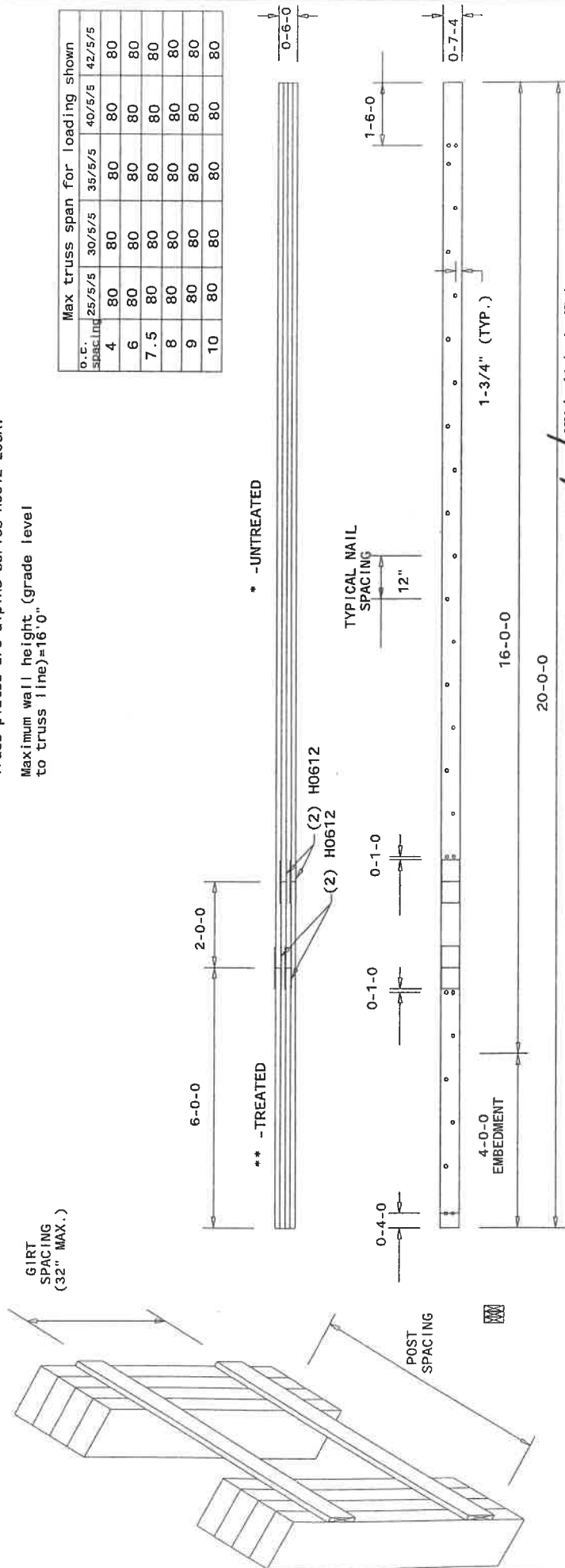
Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0612 206A.

Maximum wall height (grade level to truss line)=16'-0"

O.C. SPACING	Max truss span for loading shown						
	25'/5'/5	30'/5'/5	35'/5'/5	40'/5'/5	42'/5'/5		
4	80	80	80	80	80	80	80
6	80	80	80	80	80	80	80
7.5	80	80	80	80	80	80	80
8	80	80	80	80	80	80	80
9	80	80	80	80	80	80	80
10	80	80	80	80	80	80	80



TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

REPAIR WORK SHOWN ON THIS DRAWING APPLIES ONLY TO THOSE SECTIONS OF THE TRUSS REPORTED BY THE TRUSS MANUFACTURER TO HAVE BEEN DAMAGED. A QUALIFIED THIRD PARTY INSPECTOR SHALL CHECK TRUSSES TO DETERMINE THE EXTENT OF ANY FURTHER DAMAGE, IF ANY, AND VERIFY THAT REPAIRS HAVE BEEN PERFORMED AS INDICATED ON THIS DRAWING.

MINNAPOLIS

HERBERT GIBBY, CIVIL ENGINEER, LICENSE NO. 100001, STATE OF MINNESOTA
UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

NORMAN D. WOOD
DATE May 12 '04
REG. NO. 13385
DESIGN UNDER TPI-98 CRITERIA

REF	R7113-11111
DATE	03/20/03
DRW	MOUSR7113 04132011
MO-ENG	SAS/NDW
FROM	DJ
JREF-	1SCU7113701

(COLUMN2 - 14' Wall Height 4ply 2X8)

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

This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center. Supply a copy of this design to the building designer and building contractor.

Refer to the HIB-98 post frame summary sheet by TPI for information on installation of bracing.

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load Importance factor=1.00, snow load Importance factor=1.00

Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 4-2X8 SPF 1650F-1.5E untreated
** 4-2X8 SP #2 treated to .60 treatment retention level

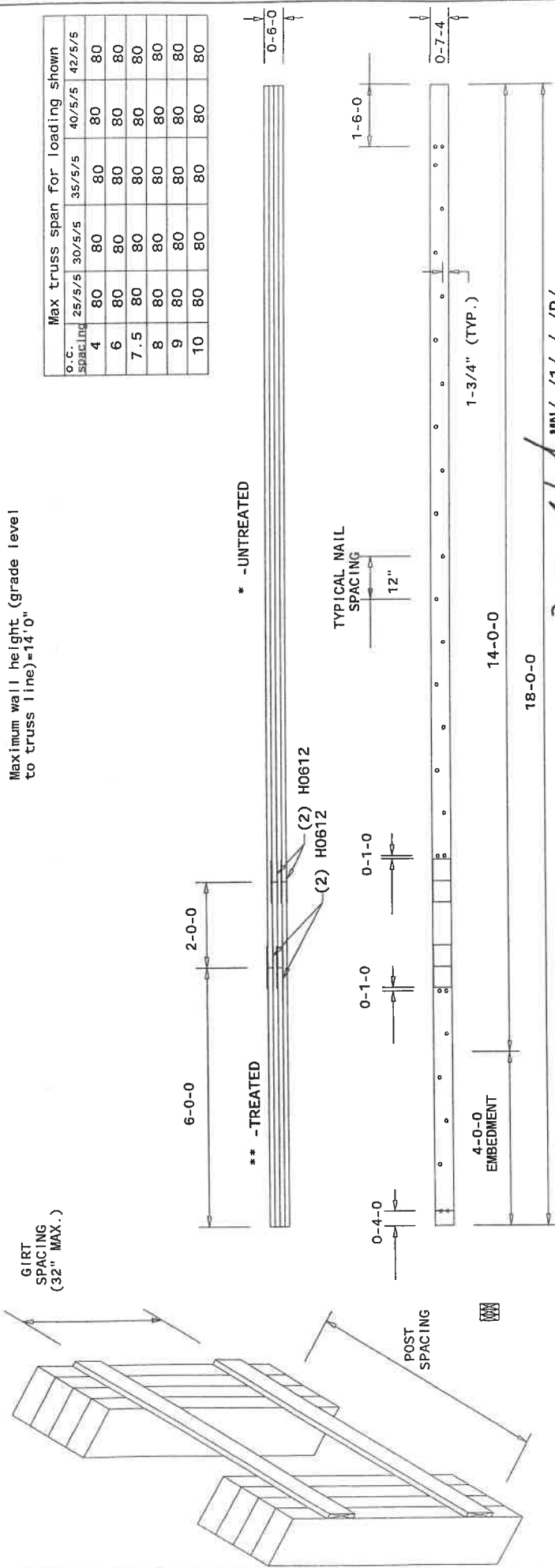
Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0612 20GA.

Maximum wall height (grade level to truss line)=14'0"

O.C. Spacing	Max truss span for loading shown					
	25'/S/S	30'/S/S	35'/S/S	40'/S/S	42'/S/S	42'/S/S
4	80	80	80	80	80	80
6	80	80	80	80	80	80
7.5	80	80	80	80	80	80
8	80	80	80	80	80	80
9	80	80	80	80	80	80
10	80	80	80	80	80	80



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Alpine Engineered Products, Inc.
Earth City, MO 63073

MINNESOTA PROFESSIONAL ENGINEER
JERRY CRONIN, LICENSE NO. 10385
UNDER THE LAWS OF THE STATE OF MINNESOTA

NORMAN D. WOOD
DATE
DESIGN UNDER TPI-AS CRITERIA

May 12 '04
FEB. NO. 10385

REF	R7113-11111
DATE	03/20/03
DRW	MOUSR7113 04132002
MO-ENG	SAS/NDW
FROM	DJ
JREF-	1SCI 3201

This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center.

Supply a copy of this design to the building designer and building contractor.

Refer to the HIB-98 post frame summary sheet by TPI for information on installation of bracing.

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load importance factor=1.00, snow load importance factor=1.00

Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 3-2X8 SPF 1650f-1.5E untreated

** 3-2X8 SP #2 treated to .60 treatment retention level

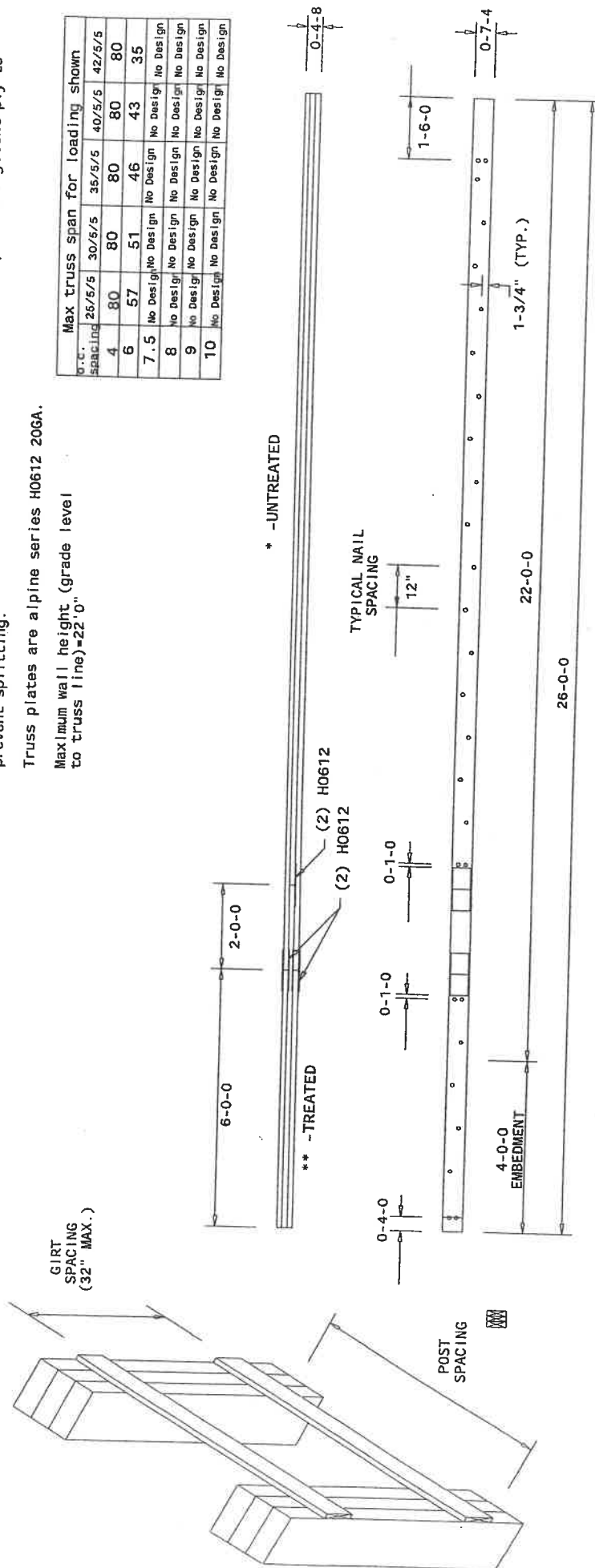
Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0612 206A.

Maximum wall height (grade level to truss line)=22'-0"

Max truss span for loading shown									
D.C.									
spacing	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5	44/5/5	46/5/5	48/5/5	50/5/5
4	80	80	80	80	80	80	80	80	80
6	57	51	46	43	35				
7.5	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design
8	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design
9	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design
10	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design	No Design



TRUSS REPAIR

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HEREBY CERTIFY THAT THE PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

MM/11/-/-/-/R/-

REF R7113-11111
DATE 03/20/03
DRW MOUSR7113 04132022
MO-ENG SAS/NDW

NORMAN D. WOOD
DATE May 12 '04
REG. NO. 13855
DESIGN UNDER TPI-98 CRITERIA

FROM DJ
JREF- 1: 201

ALPINE

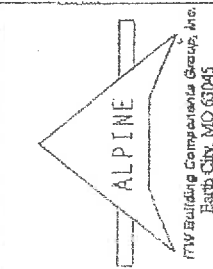
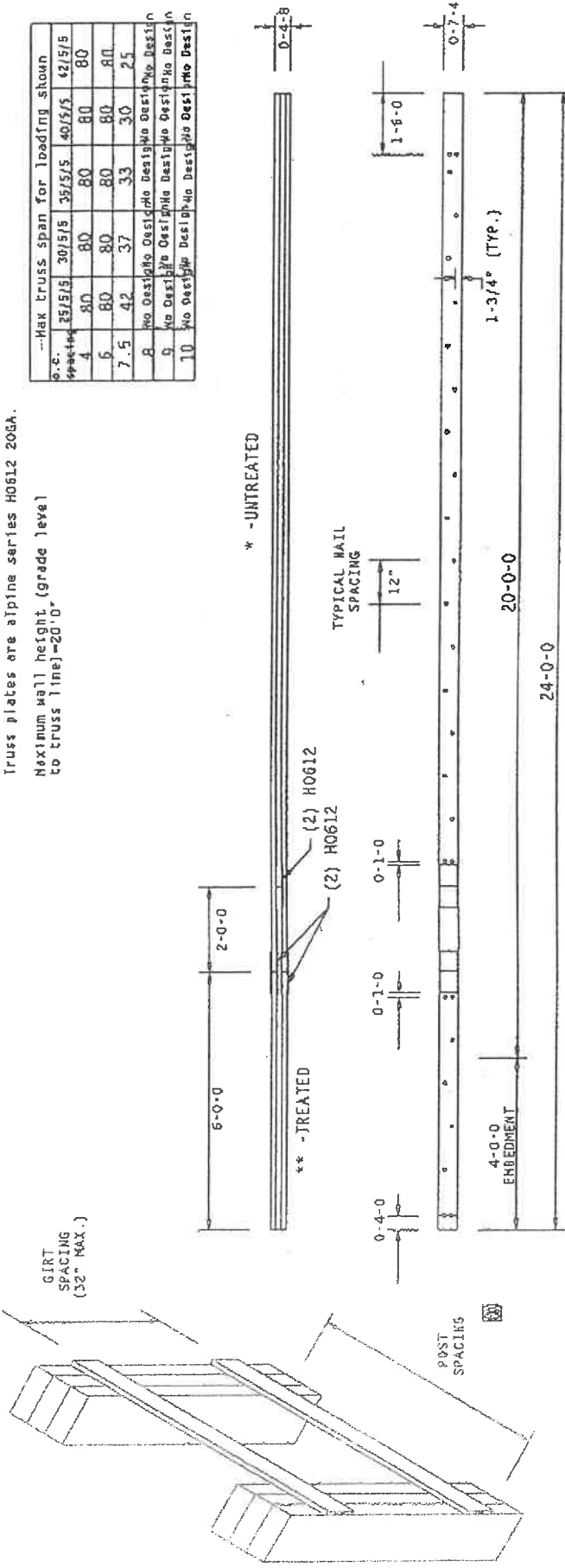
Alpine Engineered Products, Inc.
Earth City, MO 63045

This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 22' on center.

Supply a copy of this design to the building designer and building contractor.

Refer to the BCSF-B10 SUMMARY SHEET (Post Frame Truss Installation and Bracing) by IP/WTCA for information on installation of bracing.



TRUSS REPAIR

TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE MOST SOUND SOLUTION IS TO SCRAP THE TRUSS AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTION STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

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TRUSS REPAIR

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REF	R7113-22222
DATE	08/11/08
DRW	MOUSR7113 08224012
MO-ENG	JY/NDW
FROM	DJ
JREF	11027113205

in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center. Supply a copy of this design to the building designer and building contractor. Refer to the HIB-98 post frame summary sheet by TPI for information on installation of bracing.

Wind load importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.
End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 3-2X8 SPF 1650F-1.5E untreated
** 3-2X8 SP #2 treated to .60 treatment retention level

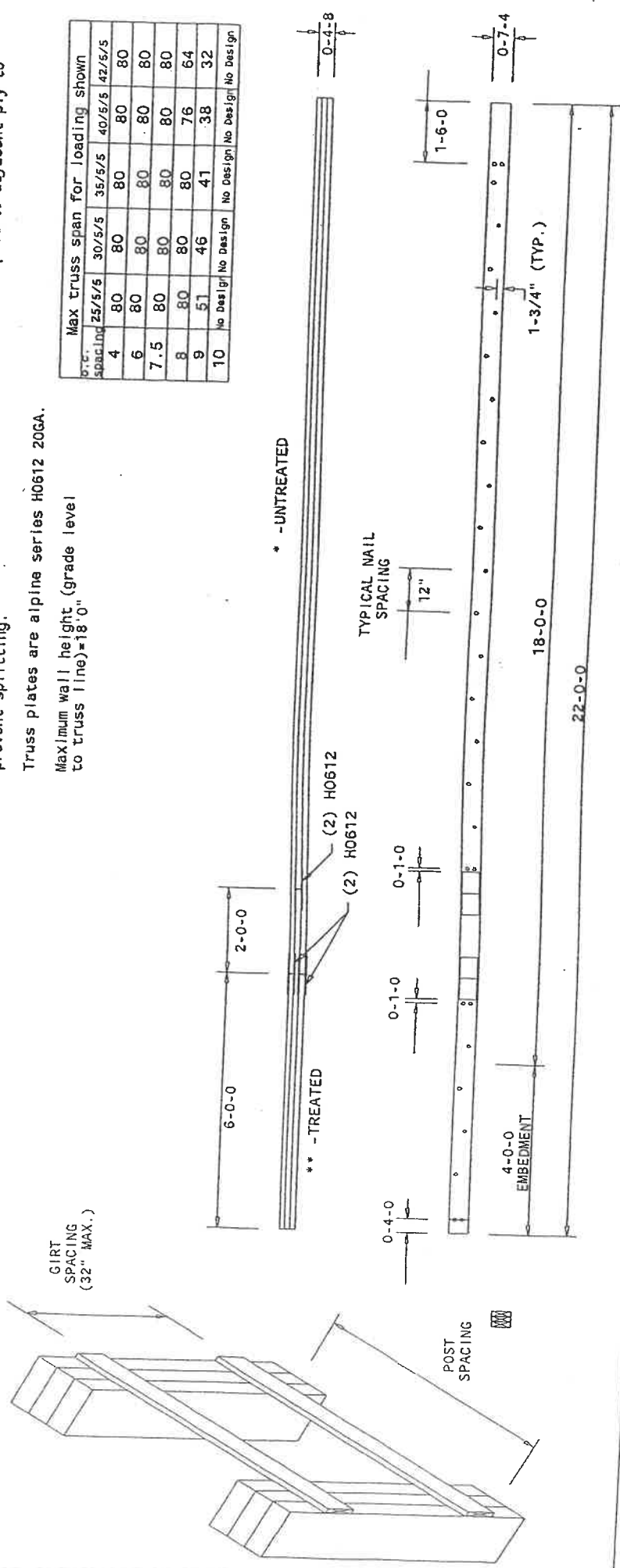
Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0612 20GA.

Maximum wall height (grade level to truss line)=18'0"

Max truss span for loading shown						
Post Spacing	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5	45/5/5
4	80	80	80	80	80	80
6	80	80	80	80	80	80
7.5	80	80	80	80	80	80
8	80	80	80	80	76	64
9	51	46	41	38	32	
10	No Design	No Design	No Design	No Design	No Design	No Design



TRUSS REPAIR

DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

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MINN/ -1/-/-/R/-

I HEREBY CERTIFY THAT THIS PLAN SPECIFIED WORK WAS REPORTED AND PREPARED BY ME OR BY AN INDIVIDUAL DIRECTLY SUPERVISED BY ME OR BY AN INDIVIDUAL WHOSE PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

NORMAND WOOD
DATE May 12 '04
REG. NO. 12385
DESIGN UNDER TPI-45 CRITERIA

REF	R7113-11111
DATE	03/20/03
DRW	MOUSR7113 04132021
MO-ENG	SAS/NDW
FROM	D.J.
JREF	

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

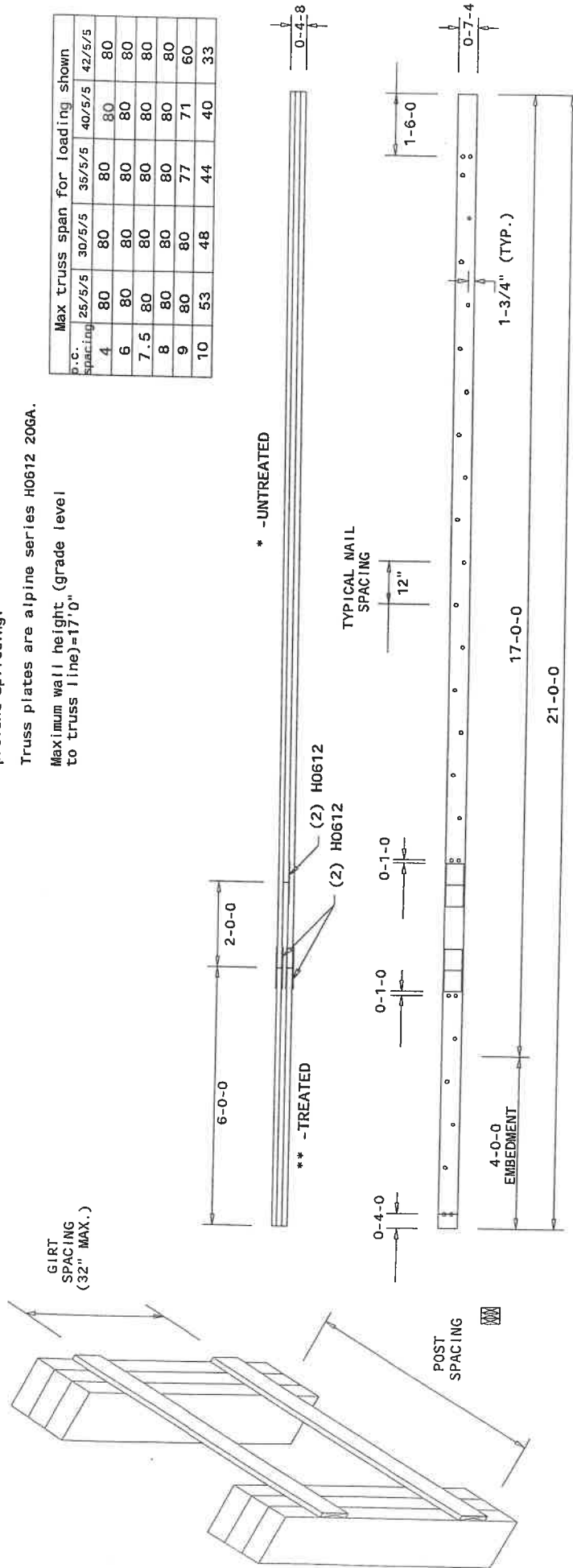
Lumber: * 3-2X8 SPF 1650f-1.5E untreated

Preservative treatment: The treated portion of the post shall be treated with a non-corrosive treatment for use in the ground. It shall be re-dried after treatment to MC 19, and be stamped with a quality mark that it has been so treated.

Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Maximum wall height (grade level to truss line)=17'0"

p.c. spacing	Max truss span for loading shown							
	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5	44/5/5	46/5/5	48/5/5
4	80	80	80	80	80	80	80	80
6	80	80	80	80	80	80	80	80
7.5	80	80	80	80	80	80	80	80
8	80	80	80	80	80	80	80	80
9	80	80	77	71	60	50	40	33
10	53	48	44	40	33	27	22	18



DAMAGED TRUSSES MUST BE CAREFULLY EVALUATED TO DETERMINE THE EXTENT OF DAMAGE AND THE FEASIBILITY OF REPAIR. IN SOME CASES THE PRUDENT SOLUTION IS TO SCRAP THE DAMAGED TRUSSES AND REBUILD. INTERNAL WOOD FIBER DAMAGE AND EXCESSIVE CONNECTOR STRESS FROM BENDING OR SHOCK CANNOT BE READILY DETECTED. THEREFORE, IT IS VITAL THAT THE TRUSS FABRICATOR AND BUILDING CONTRACTOR CONSIDER THE CAUSE OF THE DAMAGE IN THEIR DECISION WHETHER TO REPAIR OR REBUILD.

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HEREBY CERTIFY THAT THIS PLAN SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

NORMAN D. WOOD
May 13 1964

DATE _____ REC NO 19306

DESIGN UNDER TPI-95 CRITERIA

REF R7113-11111

DATE 03/20/03

DRW MOUSR7113 04132020

MO-ENG SAS/NDW

FROM D.J.

JREF- 1SCU7113Z01

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.
End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 3-2X8 SPF 1650f-1.5E untreated
 ** 3-2X8 SP #2 treated to .60 treatment retention level

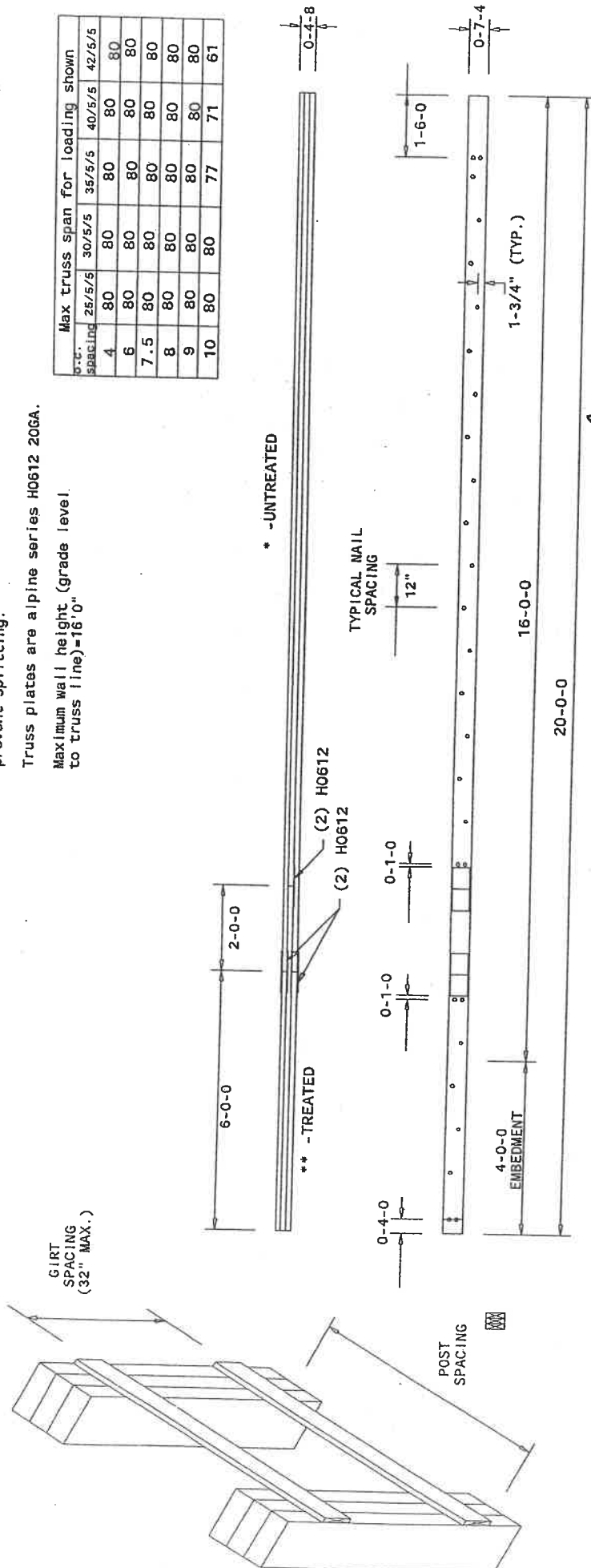
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Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0612 20GA.

Maximum wall height (grade level).

Span discrepancy	Max truss span for loading shown						
	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5	42/5/5	42/5/5
4	80	80	80	80	80	80	80
6	80	80	80	80	80	80	80
7.5	80	80	80	80	80	80	80
8	80	80	80	80	80	80	80
9	80	80	80	80	80	80	80
10	80	80	77	71	61		



TRUSS REPAIR

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WHEREBY CERTIFY THAT THIS IS AN SPECIFIC
TOLATION REPORT AND APPROVED BY ME OR
UNDER MY DIRECT SUPERVISION AND THAT I AM
A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MINNESOTA

... NORMAN D. WOOD.

DATE
REC NO 1098E

DESIGN UNDER TPI-95 CRITERIA

REF R7113-17117

DATE 03/20/03

DRW MOUSR7113 04132019

MO-ENG SAS/NDW

FROM DJ

JREF- 1SCU7113Z01

ALPINE

Alpine Engineered Products, Inc.
Earth City, MO 63045

This post has been designed as a component for a post framed building with the criteria stated on this drawing. It is intended for use as a typical wall column in a closed wall building. The design is based on a propped cantilever structural analog with a governing load case that considers dead loads, wind loads and one half of the roof snow load to act simultaneously. The building designer shall incorporate this post component into their structural design of the post-frame building. The building designer shall be responsible for the design of all other elements of the structure including the post foundation, shearwalls, roof diaphragm, bracing and the connections between these elements for lateral and vertical loads.

Post shall be braced laterally by wall girts spaced at a maximum of 32" on center.

Supply a copy of this design to the building designer and building contractor.

Refer to the HIB-98 post frame summary sheet by TPI for information on installation of bracing.

Wind load per ASCE-7: design wind speed=90, exposure C
Wind load Importance factor=1.00, snow load importance factor=1.00
Minimum recommended embedment depth=4.0FT. Foundation design by others.

End wall post require lateral support ("wind bracing") at truss bottom chord elevation.

Lumber: * 3-2X8 SPF 1650F-1.5E untreated
** 3-2X8 SP #2 treated to .60 treatment retention level

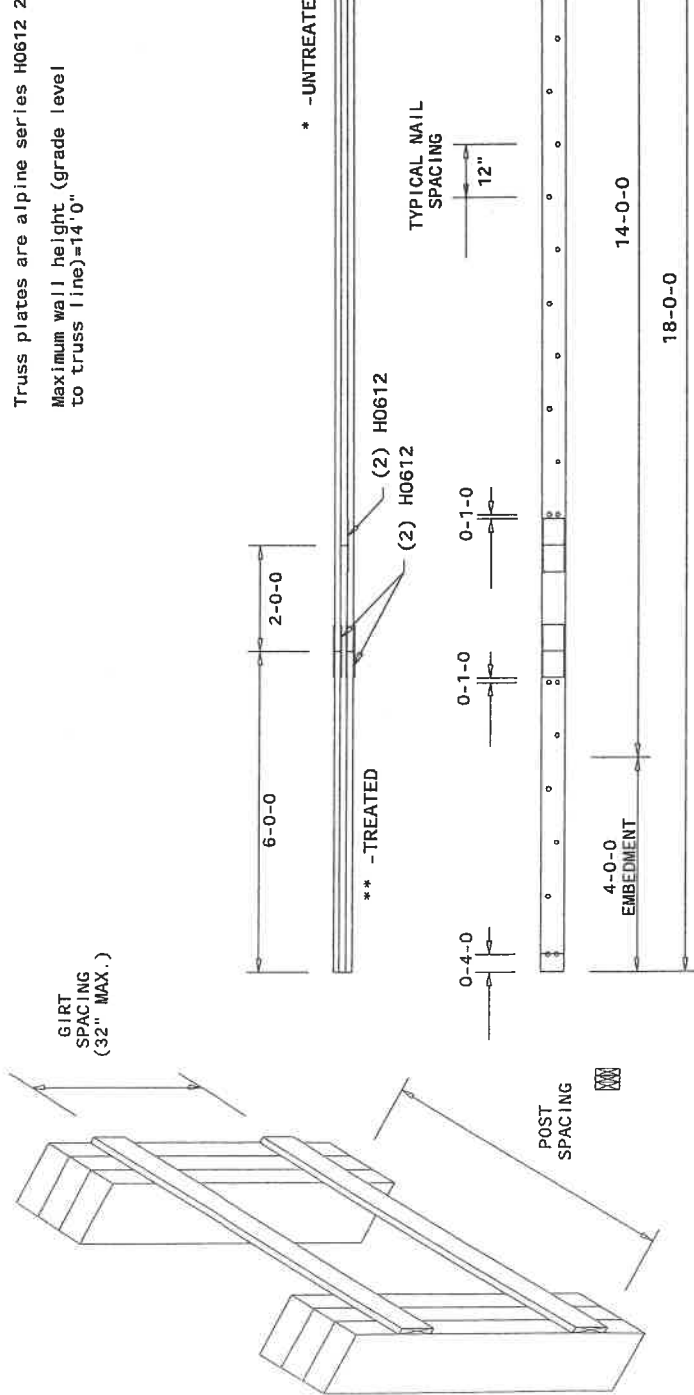
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Nails are paslode TLN R.S. 3.50" X 0.131" diameter, nails indicated are to be installed through each ply of post. Stagger nails with respect to adjacent ply to prevent splitting.

Truss plates are alpine series H0612 20GA.

Maximum wall height (grade level to truss line)=14'-0"

Max truss span for loading shown					
o.c. spacing	25/5/5	30/5/5	35/5/5	40/5/5	42/5/5
4	80	80	80	80	80
6	80	80	80	80	80
7.5	80	80	80	80	80
8	80	80	80	80	80
9	80	80	80	80	80
10	80	80	80	80	80



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MN/-/1/-/-/R/-

ALPINE
ENGINEERED PRODUCTS, INC.
EARTH CITY, MO 63045

NORMAN D. WOOD

DATE

May 12 '04

REG. NO. 13305

DESIGN UNDER TPI-15 CRITERIA

REF R7113-11111

DATE 03/20/03

DRW MOUSR7113 04132009

MO-ENG SAS/NDW

FROM DJ

JREF- 1SCU7113Z01