63664

63664

TR

Street Number

1105

Street Dir

Document Date

12/9/69

Street Name

SARATOGA

Street Type

AV

Tract Number

Sub Doc Type

BL

Doc Type

PL

Box Number

	Prepped By	Scanned By	Indexed By	Verified By
Initials	RS			
Date	6/15/07			

BY R.R. DATE 1/20/70

CHKD. BY _____ DATE _____

SUBJECT ADDENDUM TO DRAWING
PIZZA HUT OF WEST SAN JOSE
1105 SARATOGA AVENUE.

SHEET NO. 1 OF 1

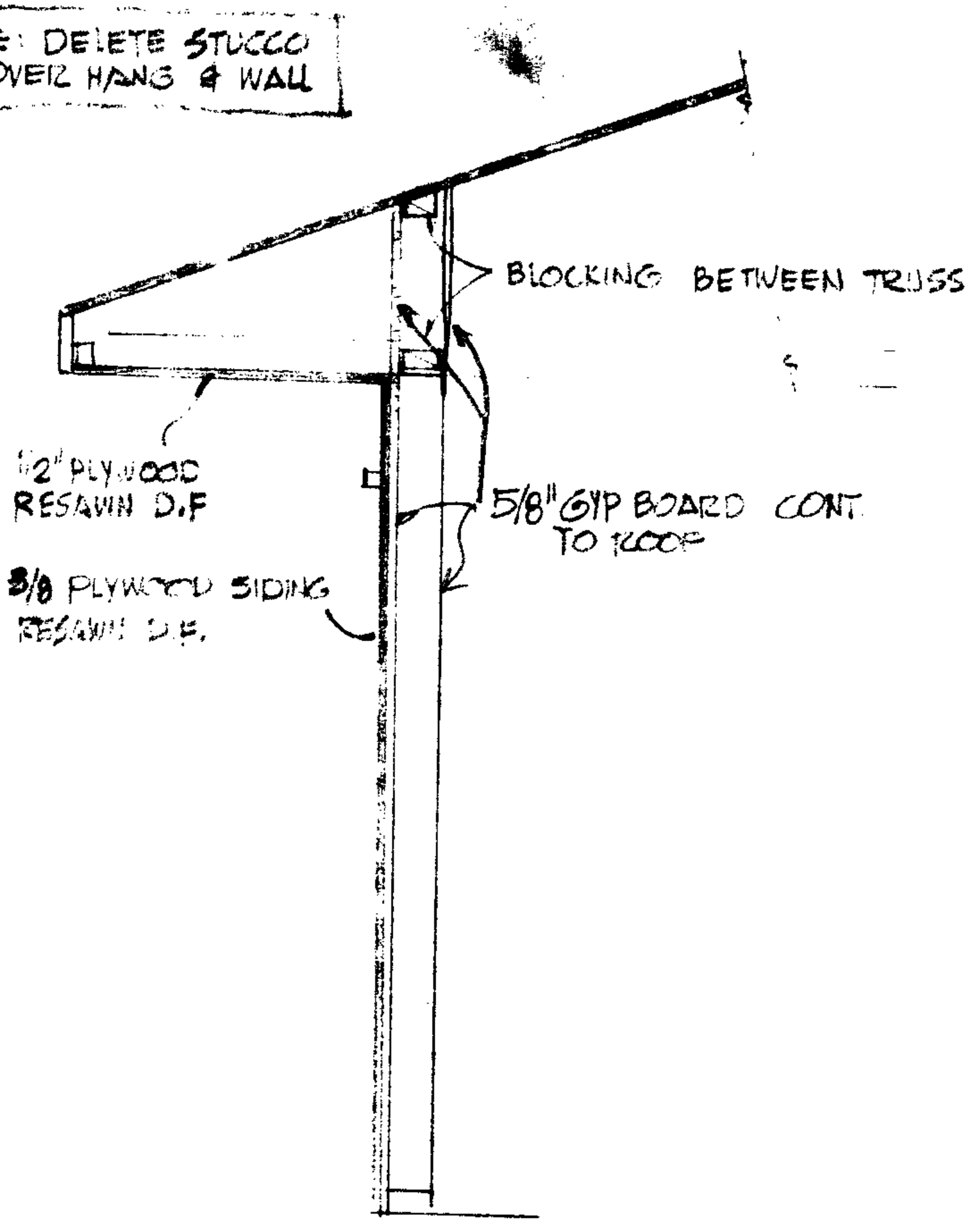
JOB NO. _____

R. Rapattoni Jr.

R. RAPATTONI JR.
R. C. E. [illegible]

63664 ✓

NOTE: DELETE STUCCO AT OVER HANG & WALL



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TYPICAL SECTION WEST WALL

BY ..... DATE ..... SUBJECT PIZZA HUT INC. SHEET NO. 4 OF 13

CHKD. BY ..... DATE ..... JOB NO. .....

ROOF STRUCTURE

15 EACH

R. RAPATTONI JR.
R. C. E. NO. 17506

LOADS L.L. = 20.0 psf

T.C.D.L. ROOFING = 6.0 psf
SHEATHING = 1.8 psf
FRAMING 2.1
1.4
2.2
5.7

USE 6.0 plf

B.C.D.L. CEIL'G = 2.8 psf
MISC. PIPE ETC. = 1.0
Σ D.L. 11.6 psf

FOR TRUSSES @ 24" O.C.:
(LOADS PER FOOT)

D.L. = 23.2 plf
6.0
29.2 plf
L.L = 40.0 plf
ΣLL+D.L. 69.2 plf TOTAL

T.C.
D.L. 7.8(2) = 15.6 + 6.0 = 21.6 plf
L.L. 40.0 plf
62.6 plf

B.C.
D.L. = 3.8(2) = 7.6 7.6 plf

FOR 6.5' PANEL SPACING

T.C. PANEL LOAD (3)+(6) = 6.5(62.5) = 406#

T.C. PANEL LOAD (2)+(7) = $\frac{6.5+4.5}{2}$(62.5) = 343#

PROJECTING CAP

LOADS
D.L. ROOFING 6.0
SHEATHING 1.8
FRAMING 1.0
ΣD.L. 8.8 psf

L.L. $\frac{5.6}{2}$(70) = 56#/ft

FOR 24" O.C.

LOAD AT @ # (5)

= 8.8(6.75)(2) + 56(2) = 230#
118 + 112

3659

BY ..... DATE ..... SUBJECT PIZZA HUT INC SHEET NO. 5 OF 13

CHKD BY ..... DATE ..... JOB NO. .....

R. RAPATTONI JR.
R. C. E. NO. 17506

LOADS CONT.

B.C. LOADS $5.87(7.6) = 45^{\#}$

OVERHANG / TRUSS

D.L. ROOF & FRAMING $7.8(2) = 15.6 + 6.0 = 21.6$ plf
SOFFIT $10(2) =$ 20 plf
41.6 plf

L.L. 40.0
81.6

$4.6(81.6) = 375^{\#}$

WIND LOAD

$H = \left(6.5 + \frac{6.75}{2}\right)(15)(2) = 296^{\#}$

PROJECTING CAP.

$M_{OT.} = \left(\frac{6.5}{2}\right)^2(15)(2) = 633'^{\#}$

REACTIONS $= \frac{633}{5.5} = 115^{\#}$ (+) & (−) @ PANELS 4 & 5

3669

BY ..... DATE ..... SUBJECT PIZZA HUT INC SHEET NO. 6 OF 13

CHKD. BY ..... DATE ..... JOB NO. .....

R. RAPATTONI JR.
R. C. E. NO. 17506

TRUSS 2 2-EA.

PANEL LOADS

T.C. ② + ⑥ 110 (5.5) = 605 #

T.C. ③ + ⑤ 110 (7.5) = 825 #

T.C. ④ 110 (9) = 985 #

T.C LOAD/FT = 3.75(7.8+20) + 6.0 = 110 plf

B.C. " " 3.75(3.8) = 14.2 plf

B.C ② + ④ 7(14.2) = 99 #

B.C ③ 9(14.2) = 127 #

OVERHANG = 375# at 2.25'

PANEL LOAD $\frac{375(2.25)}{4.5}$ = 200 #

REACTIONS

625
625
200
99
1749 +
556
2305#

R_2 $\frac{985+127}{2}$ = 2305#

TRUSS 3

PANEL LOADS

T.C. LOAD = 2(7.8+20) + 6.0 = 62.5 plf

B.C LOAD = 2(3.8) = 7.6 plf

T.C. ② + ⑥ = 6.5(62.5) = 405 #

T.C. ③ + ⑤ = 7.5(62.5) = 478 #

T.C. ④ = 7.0(62.5) = 438 #

① + ⑦ = 200 #

B.C. ③ + ⑤ = 7.25(7.6) = 55 #

B.C. ④ = 9.5(7.6 = 72 #

REACTIONS = $\frac{438+72}{2}$ = 255 #

478
405
200
55
1343 #

$R_2 = R_6$ = 1343 #

6369
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BY ..... DATE ..... SUBJECT PIZZA HUT INC SHEET NO. 7 OF 13

CHKD. BY ..... DATE ..... JOB NO. .....

R. RAPATTONI JR.
R. C. E. NO. 17506

TRUSS 4

T.C. LOAD = 62.5 plf
B.C. LOAD = 7.6 plf

PANEL LOADS

T.C. (2) & (5) = 7.5(62.5) = 468#
T.C (3) & (4) = 10 (62.5) = 625#
T.C (1) & (6) = 200#

B.C (3) & (5) = 7(7.6) = 53#
B.C (4) 9.5(7.6) = 72#

REACTIONS:

$R_2 = R_6 = 1382^{\#}$

12
468
625
200
53
36
1382#

63CC9

BY ..... DATE.....
CHKD. BY ..... DATE.....

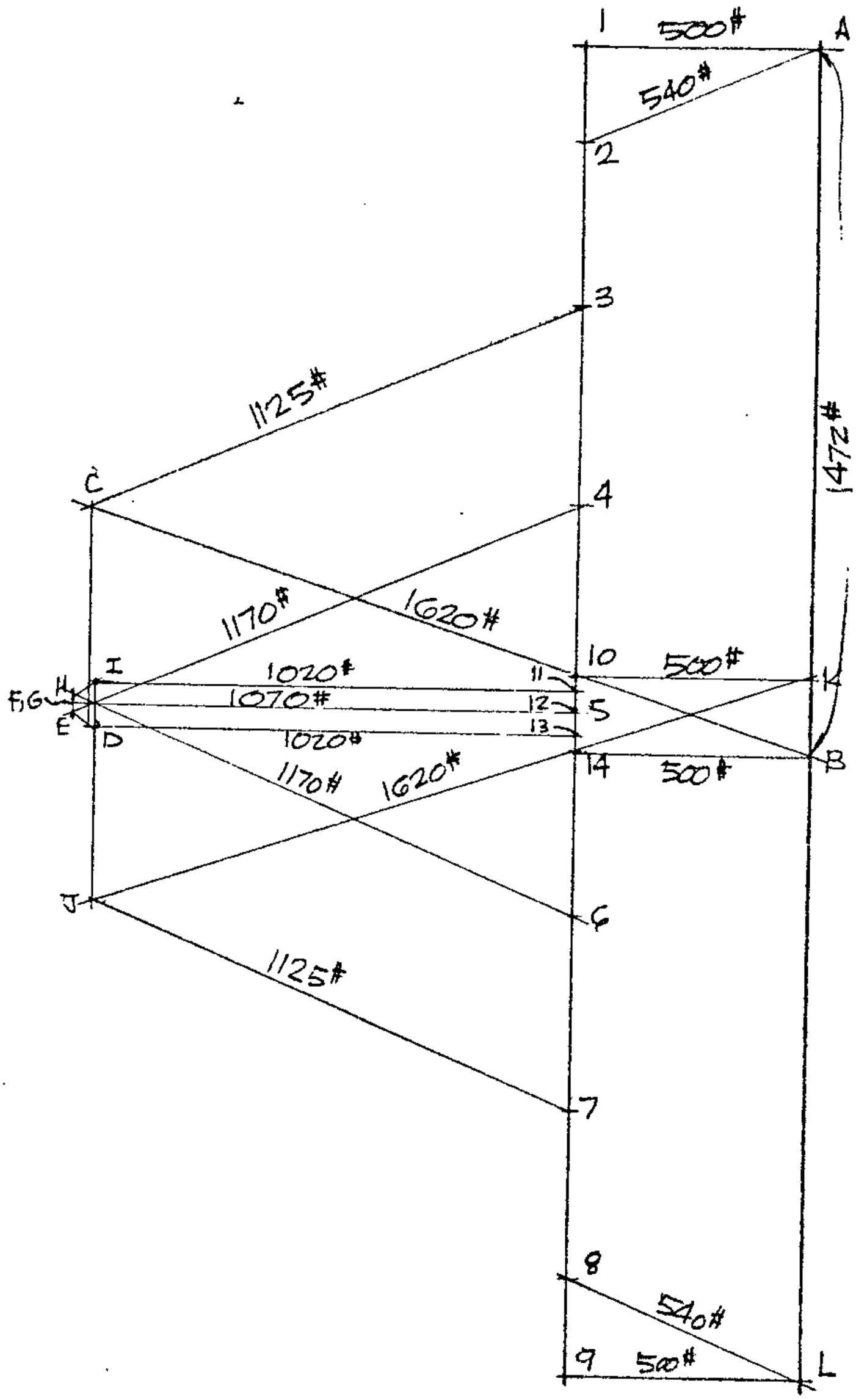
SUBJECT PIZZA HUT INC.

SHEET NO. 8 OF 13
JOB NO. .....

R. RAPATTONI JR.
R. C. E. NO. 17506

TRUSS 1

STRESS DIAGRAM
SCALE 1" = 400#



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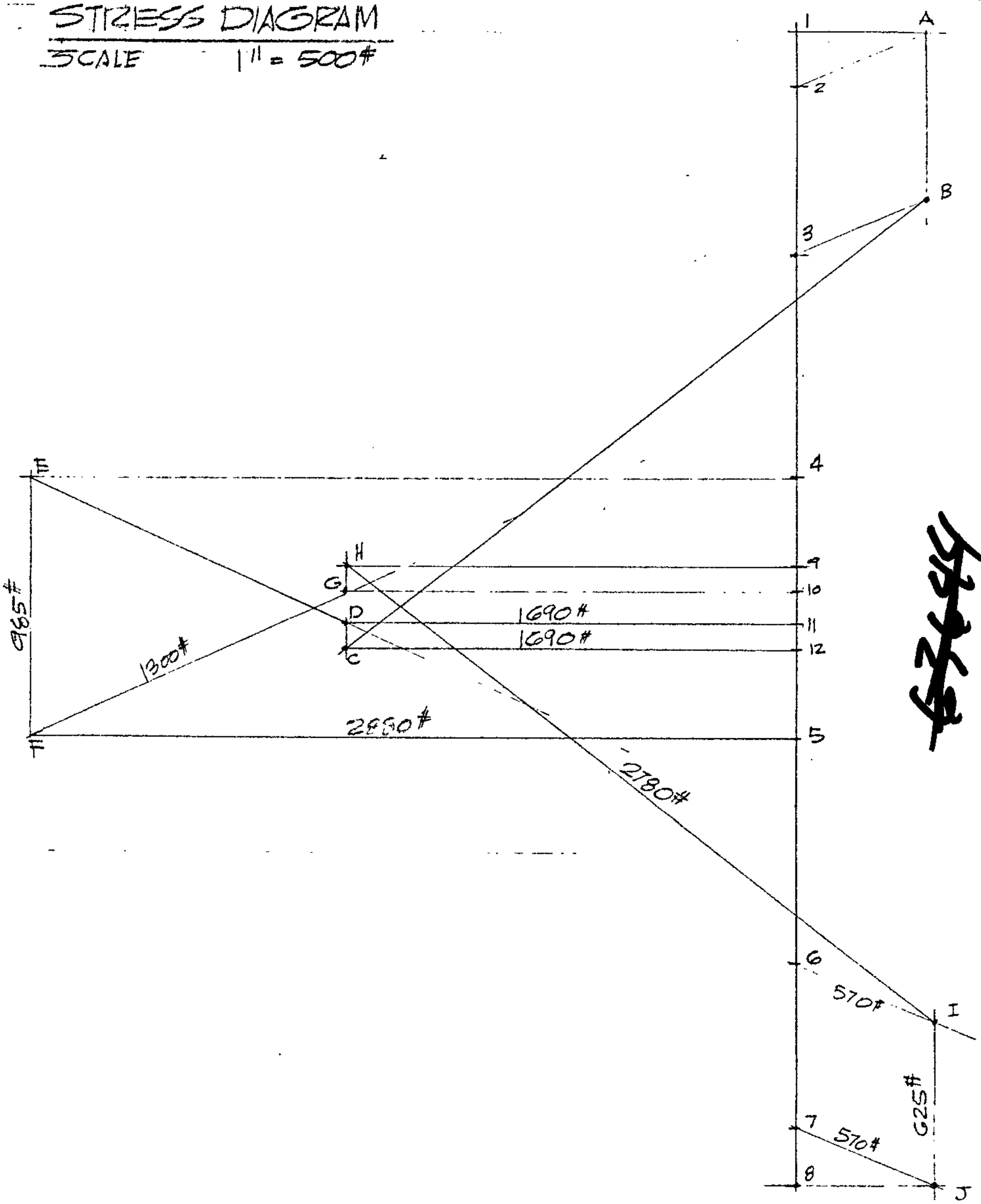
BY..... DATE..... SUBJECT..... SHEET NO. 9 OF 13

CHKD. BY..... DATE..... JOB NO.....

R. RAPATONI JR.
R. C. E. NO. 17506

TRUSS 2 (CARRYING TRUSS)
STRESS DIAGRAM

SCALE 1" = 500#



~~$2444~~

6366#

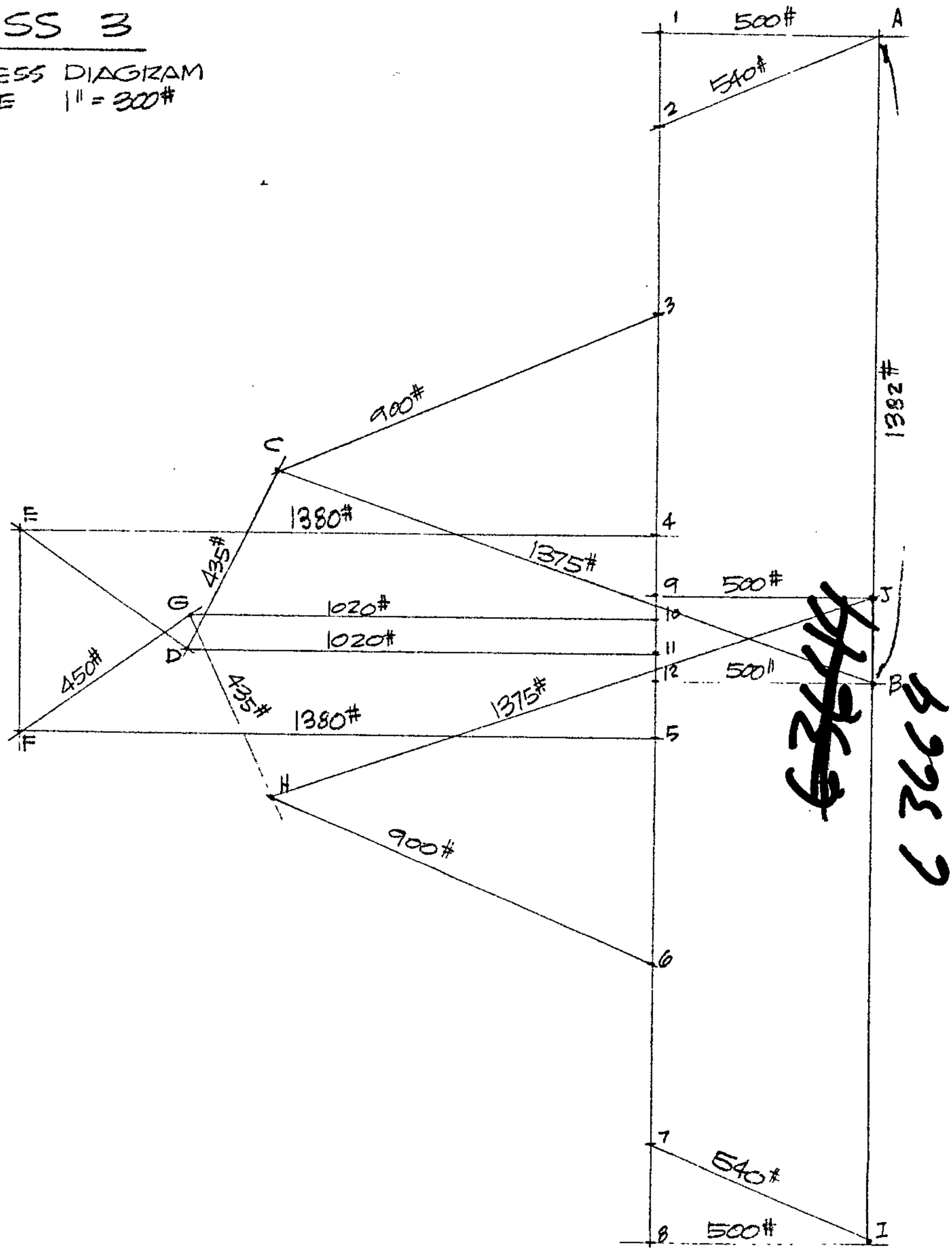
BY ..... DATE ..... SUBJECT PIZZA HUT INC. SHEET NO. 10 OF 13

CHKD. BY ..... DATE ..... JOB NO.

R. RAPATTONI JR.
R. C. E. NO. 17506

TRUSS 3

STRESS DIAGRAM
SCALE 1" = 300#



BY ..... DATE ..... SUBJECT PIZZA HUT INC SHEET NO. 11 OF 13

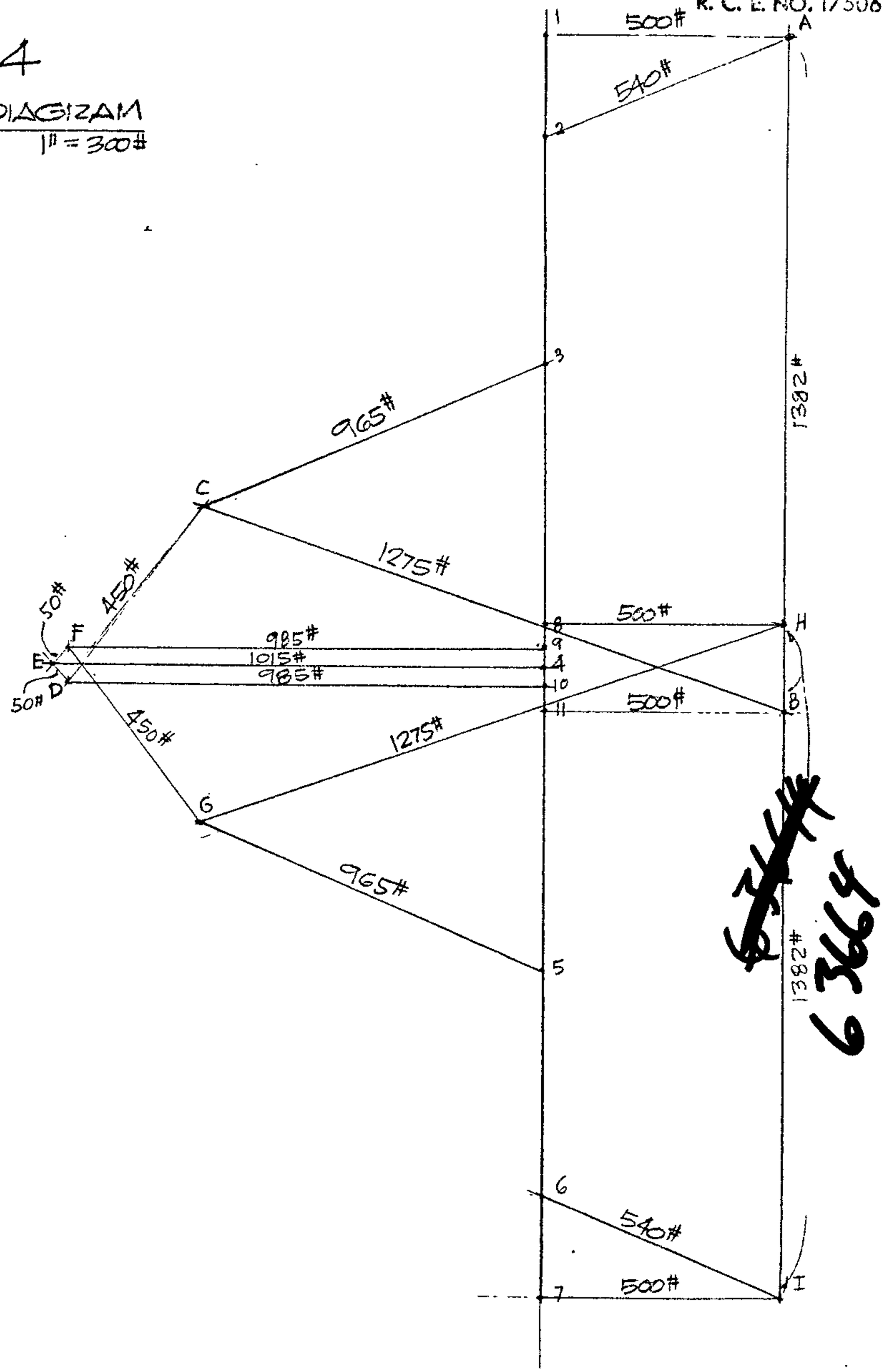
CHKD. BY ..... DATE ..... JOB NO.

R. RAPATTONI JR.
R. C. E. NO. 17506

TRUSS 4

STRESS DIAGRAM

SCALE 1" = 300#



TRUSS 3

T.C. 1380#C

$\ell = 6.62'$

$\ell/d = \frac{6.62(12)}{3.625} = 2.2$ OK

P/A allow = 1200 PSI

$P/A = \frac{1380}{5.89} = 235$ PSI < 1200 ∴ 2x4 OK

NO. OF NAILS REQ'D

$= \frac{1380}{82} = 17$

USE 10 NAILS EA. SIDE

USE 2x4 TOP CHORD

T.C. 9.00#C

$\ell = 8'-2''$

$d = 3.65''$

$\ell/d = \frac{98}{3.65} = 27$

$P/A_{allow} = \frac{527{,}000}{(27)^2} = 722$ PSI

$P/A = \frac{980}{5.89} = 110$ PSI < 722 OK

NO. OF NAILS REQ'D

$985/82 = 12$

USE 7-NAILS EA. SIDE

USE 2x4 T.C.

REMAINDER OF WEB MEMBERS & BOTTOM CHORD

USE 2x4s

TRUSS 4

T.C. 9'-3" 1015#C

USE 2x4

$\ell/d = \frac{111}{3.625} = 30.5$

$P/A_{allow} = \frac{527{,}000}{(30.5)^2} = 565$ PSI

$P/A = \frac{1015}{5.89} = 172$ PSI < 565 OK

NO OF NAILS REQ'D

$985/82 = 12$

USE 7-NAILS EA SIDE

USE 2x4 TOP CHORD

T.C 10'-3" 965#C

$\ell/d = \frac{123}{3.65} = 33.8$, $P/A_{allow} = \frac{527{,}000}{(33.8)^2} = 465$ PSI

$P/A = \frac{965}{5.89} = 167$ PSI < 465 PSI OK

USE 2x4 TOP CHORD

6.3664

BY ..... DATE ..... SUBJECT PIZZA HUT INC SHEET NO. 13 OF 13

CHKD. BY ..... DATE ..... JOB NO.

R. RAPATTONI JR.
R. C. E. NO. 17506

TRUSS 2 CARRYING TRUSS

T.C. $P = 2880^{\#}$

TRY 2x6

$P/A = 2880/1.625(5.5) = 320$ psi

$L/d = 9.62(12)/5.5 = 21.0$

$P/A_{allow} = \frac{.30(1{,}760{,}000)}{(21.0)^2} = \frac{527{,}000}{440} = 1200 > 320$ OK

2x6 OK

BENDING

$M = \frac{110(9.62)^2}{8} = 1260'^{\#}$

$S = \frac{1260(12)}{1500} = 10.2 \text{ in}^3$

$S_{2x6} = 8.19$

$S_{2x8} = 15.23$

$f = \frac{12.60(12)}{15.23} = 1010$ psi < 1500

$\frac{1010}{1500} + \frac{320}{1200} = .67 + .27 = .94 < 1$ OK

NO. OF NAILS REQ'D =

$\frac{2880}{82} = 35$

USE 18 NAILS EA SIDE

USE 2x8 TOP CHORD

Member BC

2780# COMP.

$\ell = 6.5'$

$d = 1.625''$

$\ell/d = \frac{6.5(12)}{1.625} = 48$

$P/A_{allow.} = \frac{527{,}000}{(48)^2} = 228$

$A_{reqd} = 2780/228 = 12.2 \text{ in}^2$

Area of 2x8 = 12.19 ≈ 12.2 OK

NO. OF NAILS REQ'D

$\frac{2780}{82} = 34$

USE 18 NAILS EA. SIDE

USE 2x8 WEB MEMBER

BOT. CHORD

1690T

$P/A = \frac{1690}{5.89} = 287$ psi < 1500 OK

USE 2x4s FOR B.C. & REMAINDER OF WEB MEMBERS

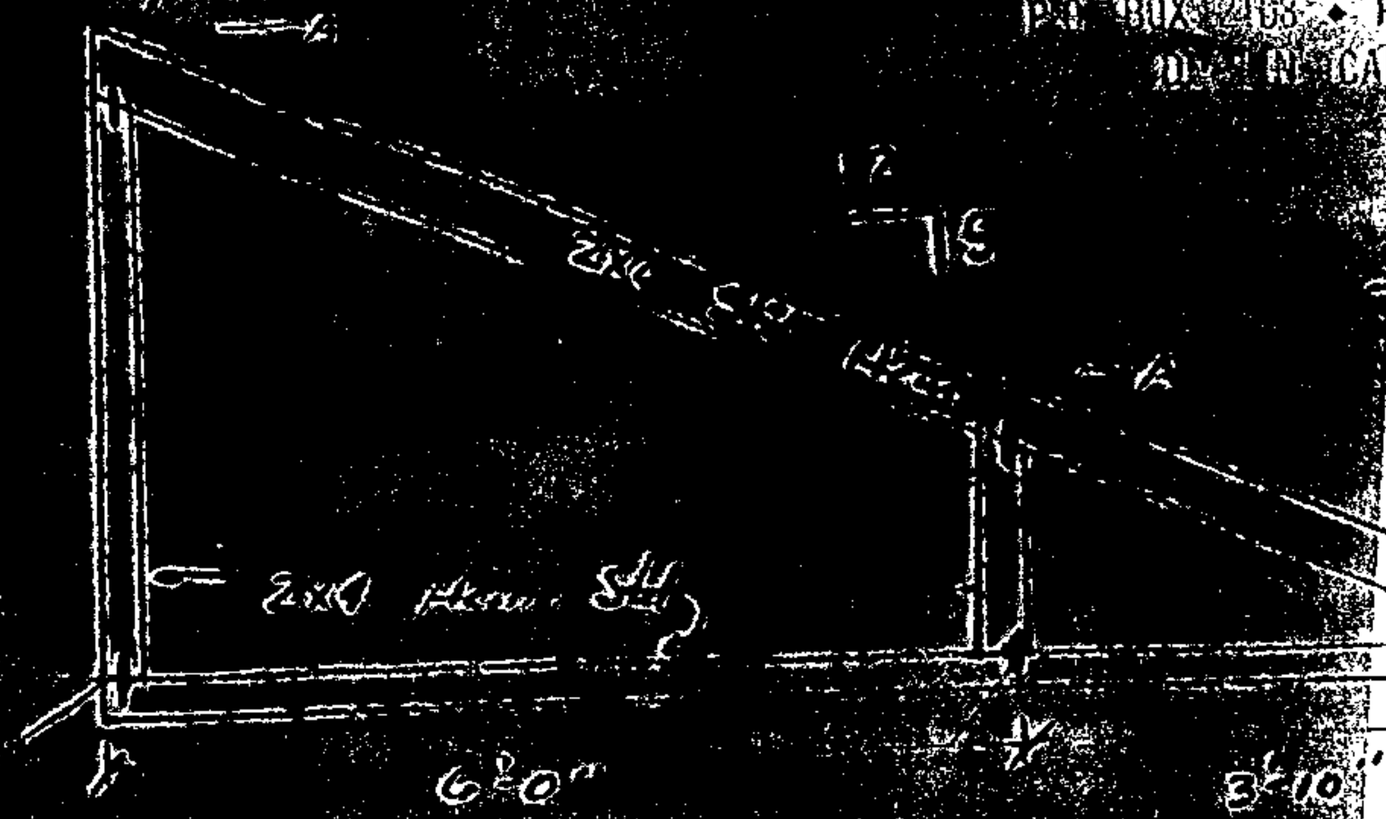
63664

AMERICAN BUILDING COMPONENTS CO.
P.O. BOX 12163 • PHONE 828-0400
CALIFORNIA

T169

100mbs
& Chitwood

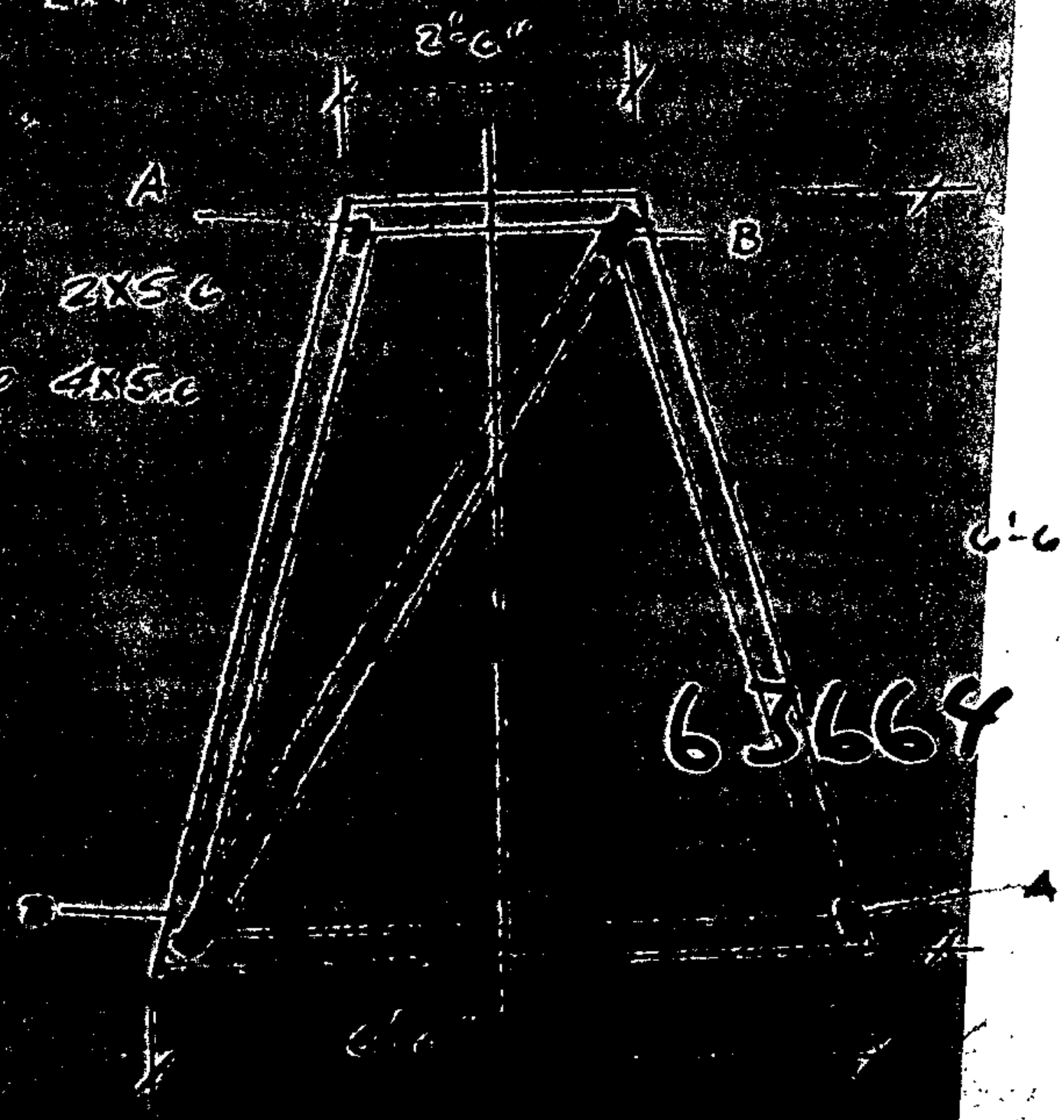
T-5



GN 20
4X5.6

GN 20

Hit Section
From 2x10 Sill Plate



A GN 20 2X5.6
B GN 20 4X5.6

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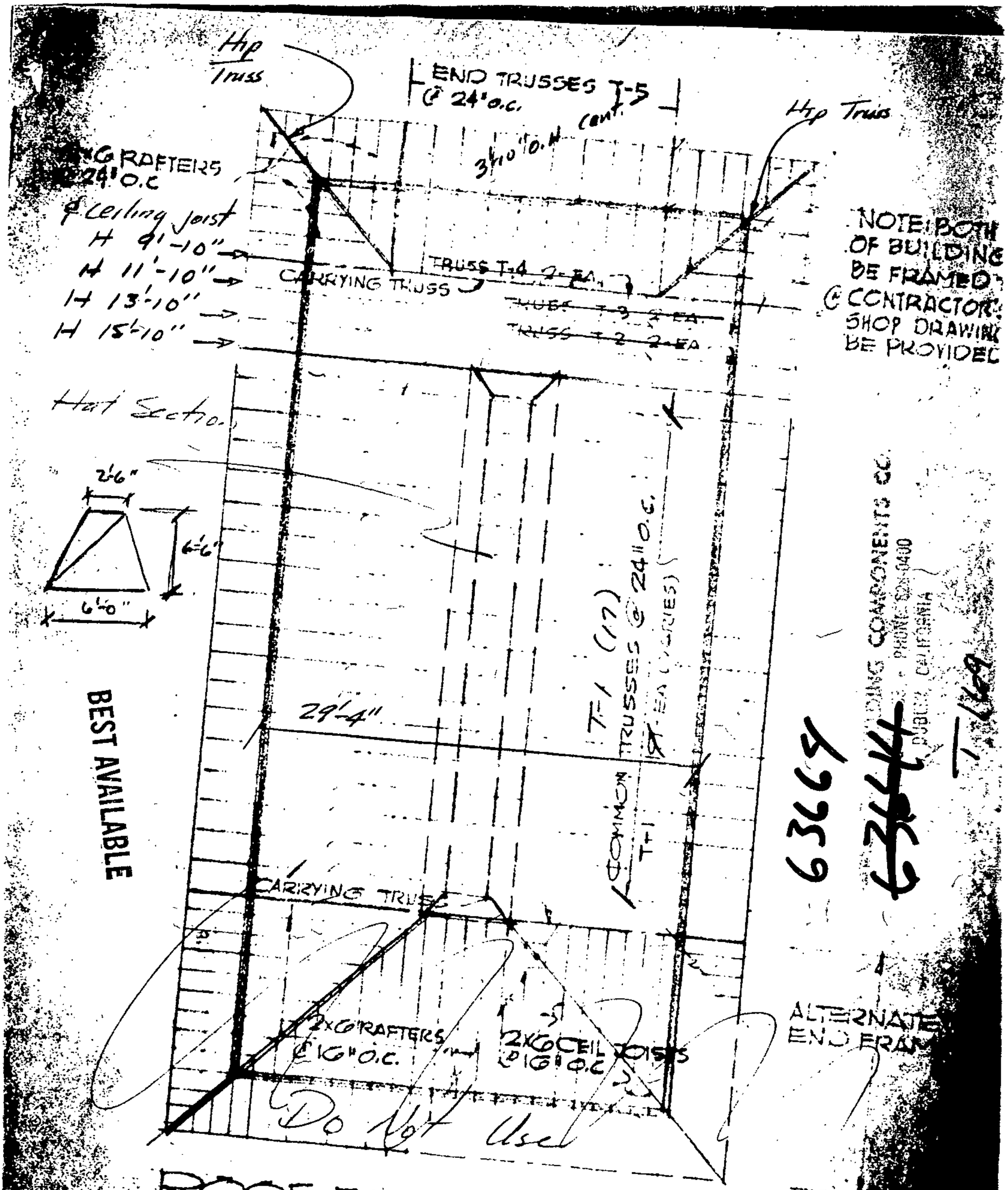

ROOF FRAMING PLAN

SCALE 1/8" = 1'-0"

BUILDING CO.
PHONE 520-0400
PUBLIC, CALIFORNIA

63667

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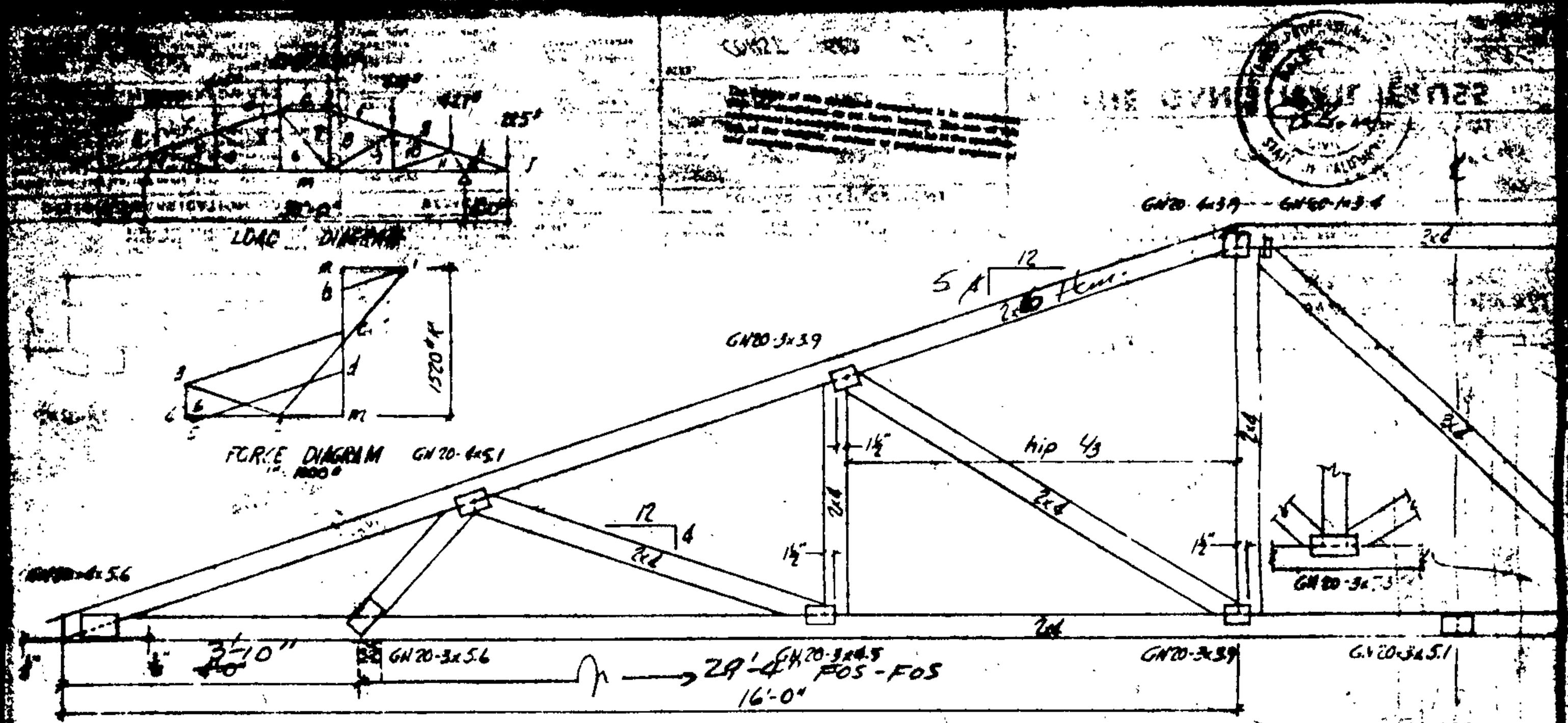

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"Wind Uplift Tested Joints: 1.6" [illegible] Nailing Plate Height."

DESIGN & FABRICATION DATA	DESIGN CRITERIA	LUMBER SPECIFICATIONS	
Design and fabrication made with "National Design Specifications for Stress-Grade Lumber and Connections" by National Lumber Manufacturers Association (latest revision), and "Timber Construction Manual" by American Institute of Timber Construction (latest revision).	TOP CHORD - Live Load = 30 p.s.f.; Dead Load = p.s.f.	TOP CHORD: Std. 1200f IND. D.F.	CANTILEVER HIP TRUSS 4/5 SPAN TO 38'-0" OVR 40'-0" EF SET BACK 16'-0" CH 6/30/6-4-00
GANG-NAIL HARDWARE: Gang-Nail Plates manufactured from 20 Ga. Galvanized Steel, conforming to ASTM A446 and A525. Plates provided symmetrically on both sides of truss joints.	BOTTOM CHORD - Live Load = p.s.f.; Dead Load = 10 p.s.f.	BOTTOM CHORD: 1200f IND. D.F.	THE GANG-NAIL® TRUSS
	TOTAL DESIGN LOAD = 40 p.s.f.	WEB: CONST. GRD. D.F.	DESIGNED BY CL; DATE 3/15/66; REVISED; REVISED; DRAWN BY CL; APPROVED; APPROVED; FABRICATOR; SCALE NONE; SHEET 1 OF 1
	Truss-to-Spacer Spacing = 24" c/c; Maximum Nail Load = 25 lbs/nail; Design at 1.60 unit stress increase for short time loading.		

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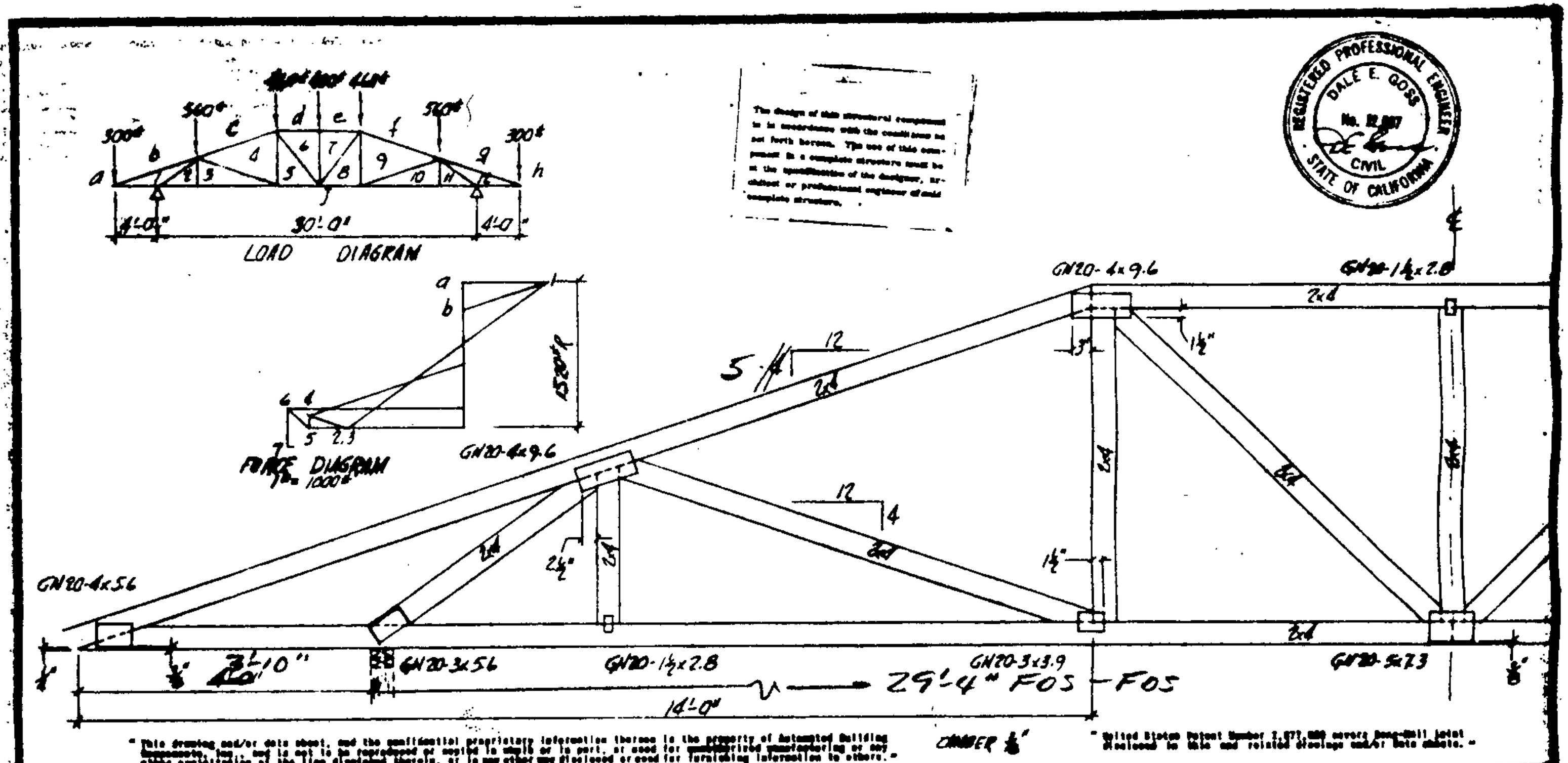

The design of this structural component is in accordance with the conditions as set forth herein. The use of this component in a complete structure must be at the specification of the designer, architect or professional engineer of said complete structure.

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" United States Patent Number 2,877,000 covers Gang-Nail joint disclosed in this and related drawings and/or data sheets."

DESIGN & FABRICATION DATA

Design and fabrication meets with "National Design Specifications for Stress-Grade Lumber and Its Fastenings" by National Lumber Manufacturers Assoc. (latest revision), and "Timber Construction Standards" by American Institute of Timber Construction (latest revision).

GANG-NAIL HARDWARE

Stamped from 20 Ga. Galvanized Steel: Manufactured and supplied by Automated Building Components, Inc., Miami, Florida. Install Gang-Nail hardware on both sides of truss face.

DESIGN CRITERIA

TOP CHORD - Live Load = } 30 p.s.f.
Dead Load = } p.s.f.
BOTTOM CHORD - Live Load = p.s.f.
Dead Load = 10 p.s.f.
TOTAL DESIGN LOAD = 40 p.s.f.

Trussed Rafter Spacing = 24" c/c
Maximum Nail Load = 25 Lbs/Nail
Design at NO unit stress increase for short time loading.

LUMBER SPECIFICATIONS

TOP CHORD: Std. Hem ~~1500f IND D.F.~~
BOTTOM CHORD: 1200f IND D.F.
WEBS: CONST GRD D.F.

CANTILEVER HIP TRUSS 4/12
SPAN TO 38'-0" CANT. 4'-0" E.E. #3 of 5
SET BACK 14'-0" CN 4/30/4-4-40

Miami THE GANG-NAIL® TRUSS Fla.

DESIGNED BY CAL	DATE 2/15/66	REVISED	REVISED	
DRAWN BY CAL	APPROVED	APPROVED	APPROVED	
FABRICATOR				

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SPEC. GABLE

37'-0" 0" SPAN 5/12 SLOPE

AUTOMATED BUILDING COMPONENTS, INC.
Miami — THE GANG-NAIL® TRUSS — Florida

J. CALVIN JUBETT
ENGINEER
Regist. No. 4509
State FLORIDA

Designed by J.S.	Date 12-7-76	Scale 5SBC	
Drawn by J.S.	Approved RJD	Building number D6973	
Revised	Approved		

DESIGN CRITERIA

TOP CHORD - Live Load = 20 p.s.f.
Dead Load = 10 p.s.f.
BOTTOM CHORD - Live Load = p.s.f.
Dead Load = 10 p.s.f.
TOTAL DESIGN LOAD = 40 p.s.f.

Truss Bottom Spacing = 2'-0" o.c.
Design at 25% that stress increase for short time loading

LUMBER SPECIFICATIONS

TOP CHORD: C.G. Hem.
2X6 ~~No. 2 G.N.P.~~
BOTTOM CHORD OR EQ.
2X4 1500f Hem.
WEBS
2X4

DESIGN & FABRICATION DATA

Design and fabrication meets with "National Design Specifications for Stress-Grade Lumber and Its Fastenings" by National Lumber Manufacturers Association (latest revision), "Timber Construction Standards" by American Institute of Timber Construction (latest revision) and "Design Specifications for Light Metal Plate Connected Wood Trusses" by Truss Plate Institute (latest revision).

GANG-NAIL HARDWARE

Stamped from 20GA Galvanized Steel; Manufactured and Supplied by Automated Building Components, Inc., Miami, Florida. Install Gang-Nail hardware on both sides of truss.

ALL DETAILS SCALE:- 2"=1'-0"

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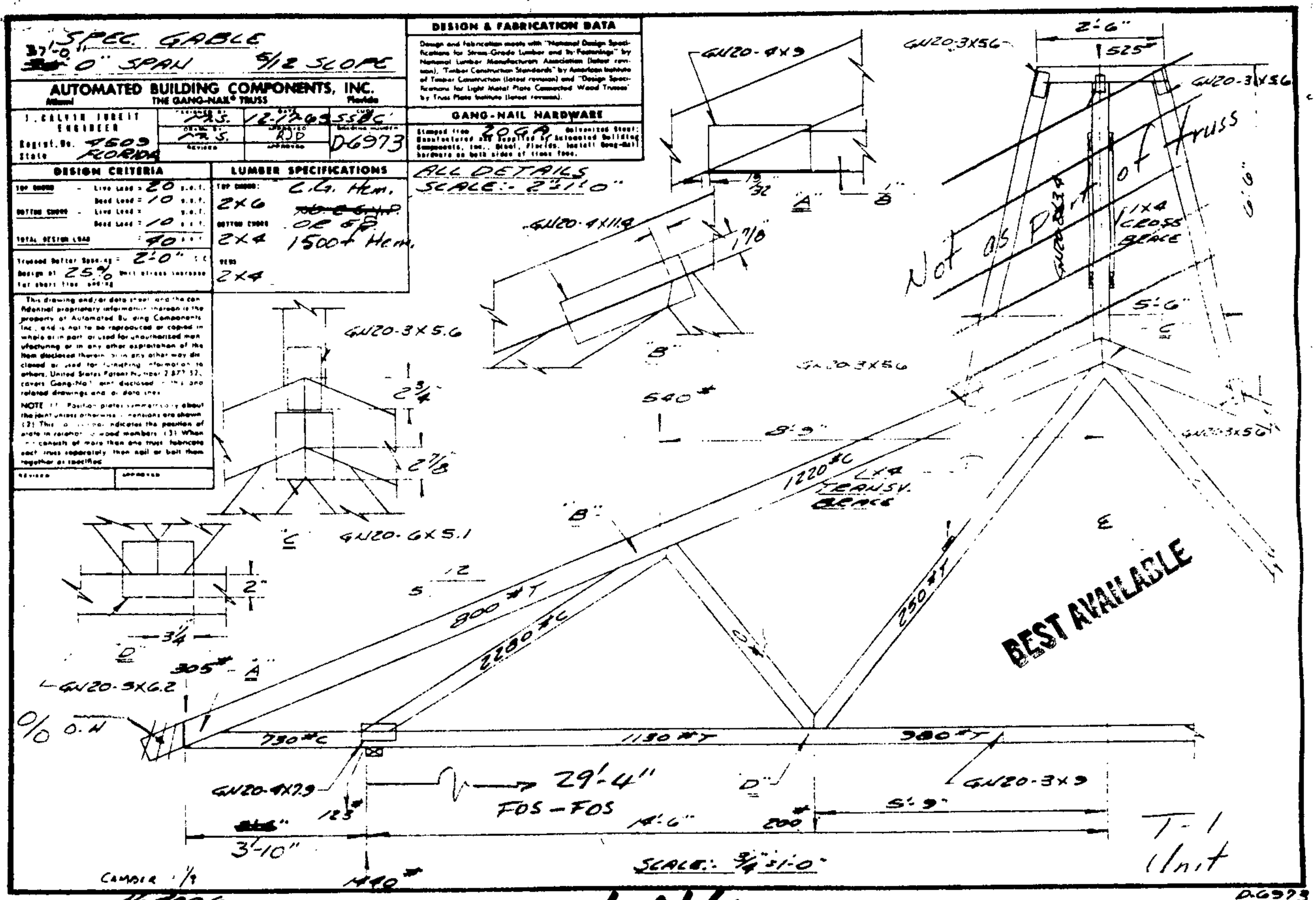
NOTE (1) Position plates symmetrically about the joint unless otherwise dimensions are shown. (2) This symbol indicates the position of plate in relation to wood members. (3) When a panel of more than one truss fabricate each truss separately then nail or bolt them together as specified.

Revised | Approved



T-1
Unit

D-6973

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T169

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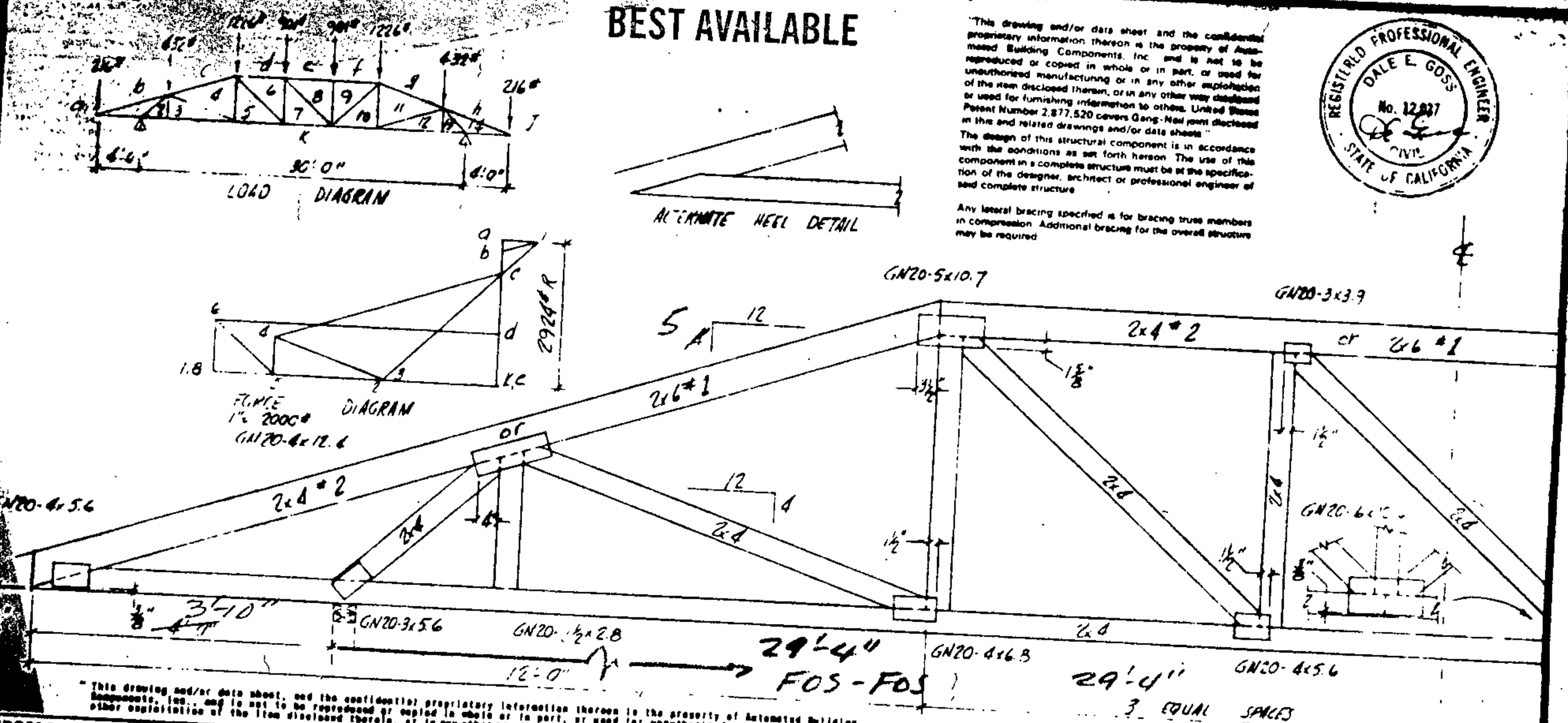

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The design of this structural component is in accordance with the conditions as set forth hereon. The use of this component in a complete structure must be at the specification of the designer, architect or professional engineer of said complete structure.

Any lateral bracing specified is for bracing truss members in compression. Additional bracing for the overall structure may be required.

REGISTERED PROFESSIONAL ENGINEER
DALE E. GOSS
No. 12,037
CIVIL
STATE OF CALIFORNIA

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"United States Patent Number 2,877,520 covers Gang-Nail joint disclosed in this and related drawings and/or data sheets."

DESIGN & FABRICATION DATA

Design and fabrication meets with "National Design Specifications for Stress-Grade Lumber and its Fastenings" by National Lumber Manufacturers Assoc. (latest revision), and "Timber Construction Standards" by American Institute of Timber Construction (latest revision).

GANG-NAIL HARDWARE

Stamped from 20 Ga. Galvanized Steel: Manufactured and supplied by Automated Building Components, Inc., Miami, Florida, Install Gang-Nail hardware on both sides of truss face.

DESIGN CRITERIA

TOP CHORD - Live Load = 30 p.s.f.
Dead Load = 30 p.s.f.

BOTTOM CHORD - Live Load = 10 p.s.f.
Dead Load = 10 p.s.f.

TOTAL DESIGN LOAD = 40 p.s.f.

Spaced Rafter Spacing = 24" c/c
Maximum Nail Load = 25 Lbs/Nail
NO unit stress increase for short time loading.

LUMBER SPECIFICATIONS

TOP CHORD:
2x4 1500f IND. D.F. #2
or 2x6 STD. GRD. D.F. #1

BOTTOM CHORD:
1500F IND. D.F.

WEBS:
CONST. GRD. D.F.

CANTILEVER HIP TRUSS
SPAN TO 38'-0" CANT. 4'-0" E.E. #1 & #2 & 5
SET BACK 12'-0"
CN 4/30/4-4-40

Miami THE GANG-NAIL® TRUSS Fla.

DESIGNED BY CGL	DATE 2/15/66	REVISED	REVISED	CODE
DRAWN BY CGL	APPROVED	APPROVED	APPROVED	DRAWING NUMBER 8-8376
FABRICATOR				

8376

~~63644~~

T 169