PERMIT

CITY OF NAPOLEON - BUILDING DEPARTMENT

255 West Riverview Avenue, Napoleon, Ohio 43545 - 419-592-4010

Permit No. 01901 Issued 1-5-90 (date)

Job Location 960 Harmony Drive (address)

Lot 34 & PT35 Brickyard (sub-div or legal discript)

Issued By Eldon Huber (building official)

Owner Joe Celani (name) 599-3464 (tel.)

Address 1140 E. Riverview Apt. 1D

Agent Paul Celani (builder-eng.-etc.) 337-3902 (tel.)

Address 429 W. Elm Wauseon

Description of Use Residence

Residential 1 (no. dwelling units)

Commercial Industrial

New X Add'n. Alter Remodel

Mixed Occupancy

Change of Occupancy

Estimated Cost $ 65000.00

FEES	BASE	PLUS	TOTAL
[X] BUILDING	9.00	158.00	167.00
[X] ELECTRICAL	15.00	90.00	225.00 105.00
[X] PLUMBING	9.00	36.00	45.00
[X] MECHANICAL	18.00	10.00	28.00
[X] DEMOLITION			
[ ] ZONING	5.00	.00	5.00
[X] SIGN			
[ ] WATER TAP	375.00		375.00
SEW. INSP.			
SEWER TAP	60.00	.00	60.00
TEMP. WATER	5.00		5.00
TEMP. ELECT.	10.00		10.00

ADDITIONAL PLAN REVIEW — Struct. ____ hrs ____ ADD'L FLOOR DR. 3.00 — Elect. 1 JACUZZI 3.00 — 1 COOK BOOK 20.00

TOTAL FEES 1025.00

LESS MIN. FEES PAID ____ (date) LOS PAID

BALANCE DUE .....

ZONING INFORMATION

district	lot dimensions	area	front yd	side yds	rear yd
A	94' X 128.01'	12,033 SF	30'	13'4"L 19'R	35'

max hgt	no pkg spaces	no ldg spaces	max cover	petition or appeal req'd	date appr
35'	2-min		35%		

WORK INFORMATION:

Garage Fl. Area 598
1st Floor Area 1600
Ground Floor Area 1841

Size: Length 60'8" Width 62'8" Stories 1

Height 13' Building Volume (for demo. permit) ____ cu. ft.

Electrical: New construction 30 new circuits (brief description)

Plumbing: New construction (brief description)

Mechanical: New H.V.A.C. system (brief description)

Sign: ____ (type) Dimensions ____ Sign Area ____

Additional Information: New residence

Date 2-20-90 Applicant Signature Paul J Celani (owner-agent)

PAID FEB 20 1990 CITY

White-Building Department Yellow-Applicant Pink-Electrical Inspector Green-Clerk-Treasurer Gold-County Auditor

INSPECTION RECORD

	UNDERGROUND			ROUGH-IN						FINAL		
	Type	Date	By	Type	Date	By	Type	Date	By	Type	Date	By
PLUMBING	Building Drains			Drainage, Waste & Vent Piping			Indirect Waste			Drainage, Waste & Vent Piping		
	Water Piping									Backflow Prevention		
	Building Sewer			Water Piping			Condensate Lines			Water Heater		
	Sewer Connection									FINAL APPROVAL		
MECHANICAL	Refrigerant Piping			Refrigerant Piping			Chimney(s)			Grease Exhaust System		
				Duct Furnace(s)			Fire Dampers			Air Cond. Unit(s)		
	Ducts/ Plenums			Ducts/ Plenums	8/6	3D	☐ Radiant Htr(s) ☐ Unit Htr(s)			Refrigeration Equipment		
				Duct Insulation			Pool Heater			Furnace(s)		
				Combustion Products Vents			Ventilation ☐ Supply ☐ Exhst.			FINAL APPROVAL		
ELECTRICAL	Conduits & or Cable			Conduits/ Cable			☐ Range ☐ Dryer			Temp Service Temp Lighting		
	Grounding & or Bonding			Rough Wiring	8/6	3D	☐ Generator(s) ☐ Motors			Fixtures Lampholders		
	Floor Ducts Raceways			Service Panel Switchboard	8/6	3D	☐ Water Htr ☐ Welder			Signs		
	Service Conduit			Busways Ducts			☐ Heaters ☐ Heat Cable			Electric Mtr. Clearance		
	Temporary Power Pole			Subpanels			☐ Duct Htr(s) ☐ Furnace(s)			FINAL APPROVAL		
BUILDING	Location, Set-backs, Esmt(s)		EH	Exterior Wall Construction		EH	Roof Covering Roof Drainage	6/20	EH	Smoke Detector		
	Excavation		EH				Exterior Lath			Demolition (sewer cap)		
	Footings & Reinforcing		EH				☐ Interior Lath ☐ Wallboard					
	Floor Slab			Interior Wall Construction		EH	Fire Wall(s)			Building or Structure		
	Foundation Walls		EH	Columns & Supports			Fireplace Chimney					
	Sub-soil Drain			Crawl Space ☐ Vent ☐ Access		EH	Attic ☐ Vent ☐ Access					
	Piles			Floor System(s)	*	EH				FINAL APPROVAL BLDG. DEPT.		
				Roof System		EH	Special Insp Reports Rec'd			Certificate of Occupancy Issued		

ADDITIONAL	INSPECTIONS, CORRECTIONS, ETC.			INSPECTIONS, CORRECTIONS, ETC.		
	* CHECK CATAN FOR LOD BUC BTWN JOIST	6/20	EH			

APPLICATION
for
RESIDENTIAL BUILDING, ELECTRICAL, PLUMBING, MECHANICAL, PERMITS and DEMOLITION PERMIT
from the
CITY OF NAPOLEON - BUILDING DEPARTMENT
255 West Riverview Ave. Napoleon, Ohio 43545 Ph. 419-592-4010

Entry No. _____

Permit No. 01901 Issued 1-5-89

Job Location 960 Harmony Drive

Lot 34 & PT 35 Berkyard
sub-div. or legal disc.

Issued By EH
building official

Owner Joe Celani Ph 599-3464

Address 1140 East Riverview Apt 1D

Agent PAUL CELANI Ph 337-3902

Address 429 W. ELM WAUSEON OHIO

Description of Use ~~New Construction~~ RESIDENCE

Residential ~~Single family~~ 1
no. dwelling units

Commercial _____ Industrial _____

New X Add'n. _____ Alter _____ Remodel _____

Mixed Occupancy _____

Change of Occupancy _____

Estimated Cost $ 65000 00

Ck.	Permits Req.	Base	Fees Plus	Total
X	Building	9.00	~~158.00~~	167.00
X	Electrical	15.00	90.00	225.00 / 105.00
X	Plumbing	9.00	36.00	45.00
X	Mechanical	18.00	10.00	28.00
	Demolition			
X	Zoning	5.00	1.00	5.00
	Sign	~~3~~		~~20~~
X	Water tap	375.00	1.00	375.00
X	Sewer Tap	60.00	1.00	60.00
X	Temp. Water	5.00		5.00
X	Temp. Elec.	10.00		10.00

Additional plan review: struc. _____ hrs _____ Elect. _____ hrs _____

Total Fees..... 1025.00

Less Min. Fees Pd. _____ date _____

Balance Due..... _____

-ZONING INFORMATION

district	lot dimensions	area	front yd	side yds.	rear yd
A	94' x 128.01'	12,033 S.F.	30'	13'-4" & 19' R	35'

max hgt	no pkg spaces	no ldg spaces	max cover	petition or appeal req'd.	date appr
35'	2-MIN		35%		

WORK INFORMATION:
BUILDING: Garage Fl. Area ~~550~~ 598 sqft 1st Floor ~~Basement Fl.~~ Area 1600 sqft Second Floor Area _____

Size: Length 60'-8" Width 42'-8" Stories 1 Ground Floor Area 1841

Height 13' Building Volume (for demo. permit) _____ cu. ft.

Description of Work: NEW RESIDENCE

Continue on Back Side for Electrical, Plumbing and Mechanical and other Information;

ELECTRICAL: Electrical Contractor Joe Celarek Ph. --

Address 1140 East Riverview Apt 10 Estimated Cost $ 2500

Type of work: New X Service change ____ Rewiring ____ Additional Wiring ____ Temp. Elec. Req. X (yes) ____ (no)

Size of service ~~100~~ 200 Underground X Overhead ____ No. of new circuits 30

Description of work: New Construction

PLUMBING: Plumbing Contractor Yoder Plumb + Htg Ph. 335-4240

Address 1205 N. Ottokee Wauseon Estimated Cost $ 4800.00

Water Tap Req. X (yes) ____ (no) Size 3/4 Type of Pipe 3/4 K copper Water Dist. Pipe M- copper (type)

San. Sewer Tap Req. X (yes) ____ (no) Size 6" Type of Pipe PVC SDR 35 Dr.Waste Vt.Pipe PVC DWV-40 (type)

St. Sewer Tap Req. ____ (yes) ____ (no) Size ____ Type of Pipe ____ Street to be Opened ____ (yes) ____ (no)

Main Building Drain Size 4" Main Vent Pipe Size 3" List Number of Plumbing Fixtures Below

Water Closets 3 Bathtubs 1 Showers 1 Lavatories 3 Kitchen Sinks 1 Disposal 1 Dishwasher 1 Clothes Washer 1

Floor Drains 0 Other Fixtures: Type Domestic water heater No. 1

Description of Work: New construction

MECHANICAL: Mechanical Contractor Yoder Plumb + Htg Ph. 335-4240

Address 1205 N. Ottokee Wauseon Estimated Cost 5320.00

Heating System: Forced Air X Gravity ____ Hot Water ____ Steam ____ Unit Heaters ____ Radiant ____ Baseboard ____

Type of Fuel: Electric ____ Natural Gas X Propane ____ Wood ____ Coal ____ Solar ____ Geothermal ____ Other ____

No. of Heat.Zones 1 Hot Water: (One Pipe ____ Two Pipe ____ Series Loop ____) Electric Heat: (No of Circuits ____) No. of Furnaces ____

No. of Hot Air Runs 14 No. of Hot Water Radiators ____ Total Heat Loss 55,271 Rated Capacity of Furnace/Boiler 80,000

Location of Heating Units: Crawl Space X Floor Level ____ Attic ____ Suspended ____ Roof ____ Outside ____ Other ____

Description of Work New H.V.A.C. system

DRAWINGS REQUIRED: All Applications must be Accompanied by Two Complete sets of Drawings Including SITE PLAN, FOUNDATION PLAN, FLOOR PLANS, STRUCTURAL FRAMING PLANS, EXTERIOR ELEVATIONS, SECTIONS and DETAILS, STAIR DETAILS, ELECTRICAL LAYOUT, PLUMBING ISOMETRIC, HEATING LAYOUT ETC. All plans shall be DRAWN TO SCALE. Show all existing structures on the site plan also, show Electric Panel and Furnace Locations.

READ AND SIGN BELOW; The undersigned hereby makes application for a permit for all work described herein, and agrees to complete the work in strict accordance with all applicable provisions of the current edition of the C.A.B.O. Building Code, the Napoleon Building and Zoning Codes, the Napoleon Engineering Dept. Rules and Regulations, Standard Specifications and other Pertinent Sections of the Napoleon Code of Ordinances.

Date 1-4-90 **Signature of Applicant** Joseph A. Celarek

Application not valid without signature

RESIDENTIAL PLAN CORRECTION SHEET

CITY OF NAPOLEON
255 West Riverview Ave.
Napoleon, Ohio 43545
419/592-4010

ADDENDUM TO Permit No. 01901
Owner JOE CELANI
Contractor PAUL CELANI
Location 960 HARMONY DR.

Please note the items checked below and incorporate them into your plans as indicated: ☐ PERMIT NOT YET ISSUED, CORRECT PLANS AND RE-SUBMIT. ☐ PERMIT ISSUED, INCORPORATE ITEMS DURING CONSTRUCTION.

	GENERAL
X	Provide approved smoke detector(s) as req'd.
	Provide ½" gypsum wallboard between dwelling and garage, on garage side.
X	Provide min. 1 3/8" solid wood door from garage to dwelling. (or equal)
	Submit fully dimensioned plot plan.
	Provide min. of 1-3'0" x 6'8" exit door.
X	Provide min. 22" x 30" attic access opening.
X	Provide min. 18" x 24" crawl space access opening.
	Provide approved sheathing or flashing behind masonry veneer.
	Provide min. 15# underlayment on roof.
	Provide adequate fireplace hearth.
	Install factory built fireplaces/stoves according to manufacturers instructions.
	Terminate chimney 2' above roof or 2' above highest point of building within 10' of chimney.
	LIGHT AND VENTILATION
X	Provide mechanical exhaust or window in bathroom_____.
	Provide min. 1170 Sq. In. net free area attic ventilation. 112 @ R106 E
X	Provide min. 177 Sq. In. net free area crawl space ventilation. W/ VAPOR BARR +
	FOUNDATION VENT 3' FR. CORNERS
	Min. depth of foundation below finished grade is 32".
	Min. size of footer_____" x _____".
X	Provide anchor bolts ½" @ 6' o.c. 1' from each corner. Embedded 7" in concrete and 15" in masonry.
	Show size of basement columns.
	FRAMING
	Show size of wood girder in_____.
	Provide design data for structural member in_____.
	Floor joists undersized in_____.
	Provide double joists under parallel bearing partitions.
X	Provide 1" x 4" let in corner bracing, approved sheathing, or equal.
	Show size of headers for openings over 4' wide_____.
	Show size of members supporting porch roof.
	Provide double top plate for all bearing partitions and exterior walls.
	Provide design data for prefab wood truss.
	Ceiling joists undersized in_____.
	Roof rafters undersized in_____.
	PLUMBING AND MECHANICAL
X	Terminate all exhaust systems to outside air.
X	Insulate ducts in unheated areas.
	Provide backflow prevention device on all hose bibs.
	Terminate pressure and temperature relief valve drain in an approved manner.
	Provide dishwasher drain with approved air gap device.
	METAL VENEERS
	Contact City Utilities Dept. to remove conductors and/or meter.
	Provide approved system of grounding and bonding.
	ELECTRICAL
	Show location of service entrance panel and service equipment panel.
X	G. F. C. I. req'd. on temporary electric.
X	Outdoor, bathroom and garage recepticles shall be protected by G. F. C. I.
X	Maximum number of recepticles permitted on a G. F. C. I. circuit shall be 10 for 20 A. circuits and 7 for 15A. circuits.
X	Refrigerators, microwaves, washers, disposal, furnace and air conditioners shall be on separate circuits.
	INSPECTIONS
	The following indicated inspections are required. The owner or his agent shall contact the City Building Dept. at least 24 hrs. prior to the time the inspection is to be made.

X	Footers and Setbacks.	X	Building sewer.
X	Foundation.	X	HVAC rough-in.
X	Plumbing rough-in.	X	Final Building
X	Plumbing final.		other,
X	Electrical service.	X	BUILDING FRAMING
X	Electrical rough-in.		
X	Electrical final		

Additional Corrections._____

The approval of plans and specifications does not permit the violation of any section of the Building Code or other City Ordinance. This addendum is attached to Permit No. 01901 and made a part there-of. DATE APPROVED OR DISAPPROVED 1-9-90 Checked by ELDON HUBER
Plan Examiner.

DATE RECHECKED AND APPROVED Checked by

SEWER TAPPING PERMIT
Issued by
The City of Napoleon Engineering Dept.
255 West Riverview Ave. Napoleon, Ohio 43545 Ph. 592-4010

Entry No. _____

Permit No. SA 0127 Issued 1-5-90 Build. Permit No. 01901

Job Location 960 Harmony Drive

Lot 34 Brickyard
sub div. or legal disc.

Issued By EH

Owner Joe Celani Pn. 599-3464

Address 1140 Riverview Apt 1D

Agent PAUL CELANI Pn. 737-3502

Address 439 W. ELM WAUSEON OHIO

X Permit Fee $ 60.00

___ Street Bond $ NONE

___ Date Paid _____

for office use only

WORK INFORMATION

Sanitary Sewer Tap X (yes) ___ (no) Size of Tap 6 Size and Type of Sewer A.S.T.M 3034 SDR 35 Street to be Opened ___ (yes) X (no)

Storm Sewer Tap X (yes) ___ (no) Size of Tap 4 Size and Type of Sewer P.V.C. Street to be Opened ___ (yes) ___ (no)

Street opening Agreement Approval Date _____ Opening Bond Fee (Set by Engineer) _____

READ AND SIGN BELOW; The undersigned hereby agrees complete the work described above and to make use of said sewers only as allowed by and in strict accordance with all applicable provisions of The Napoleon Engineering Dept. Rules and Regulations, The Napoleon Standard Specification for Water Main, Sanitary Sewer and Storm Sewer Construction and other Pertinent Sections of the Napoleon Code of Ordinances.

Date 1-4-90 Signature of Applicant Joseph U. Celani
Permit not valid without signature

INSPECTION RECORD ---------- to be completed by the Field Inspector

Date Inspection is made 4-2-90 Size and Type of Sewer 6" SDR 35 ASTM 3034

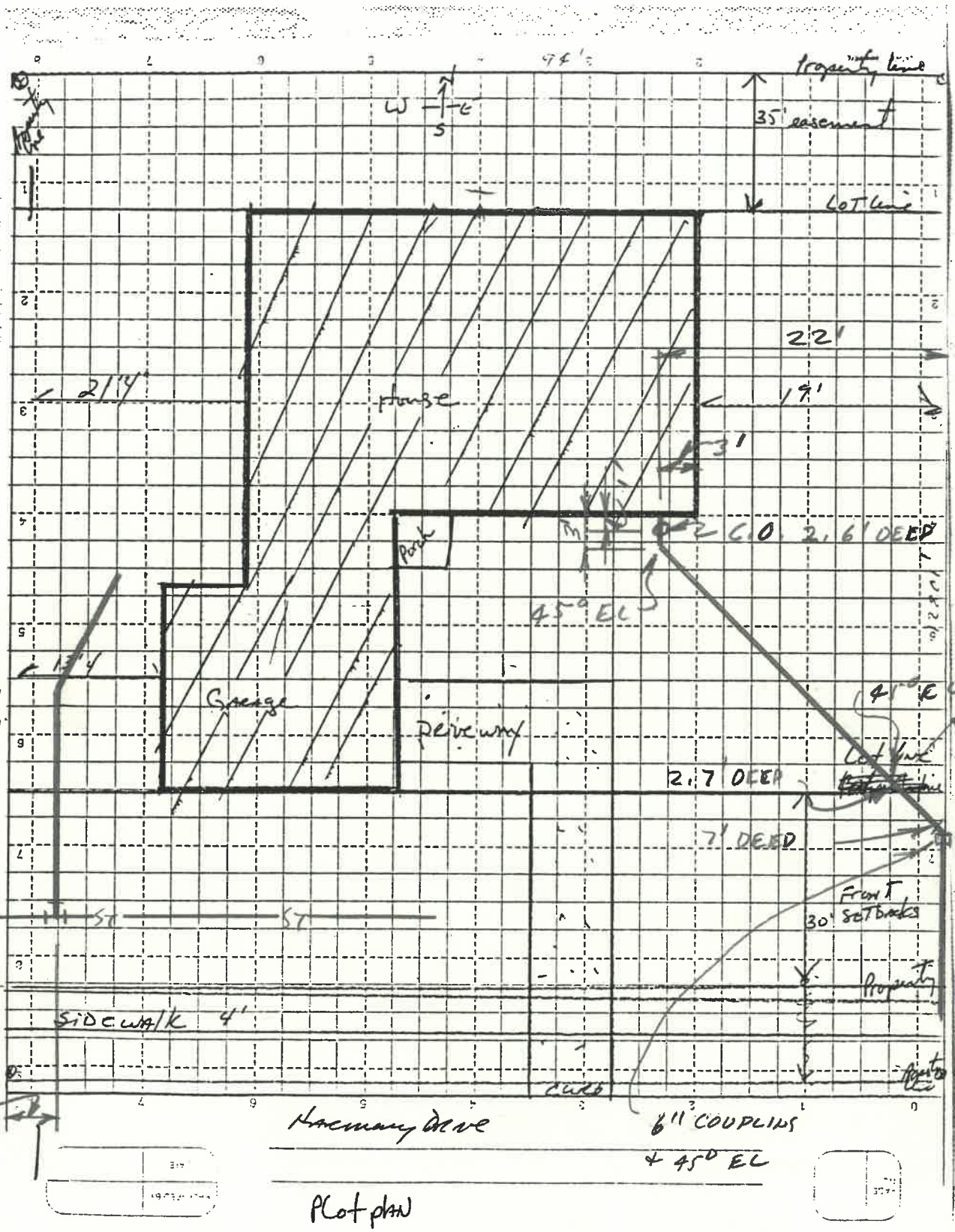
Location SEE PLAN Depth SEE PLAN Type of Test NONE Additional Information _____

Date 4-2-90 Inspected By ELDON HUBER
signature of inspector

Sketch Of Installation on Back or Attached

6" D.I.C.L. A.S.T.M. 3034
BEDDED IN #57 STONE

GLUE JOINT AT 4" TO 6" REDUCER @ WALL LINE



Plot plan

STRESS INDICES MSI= 0.798 VSI= 0.533

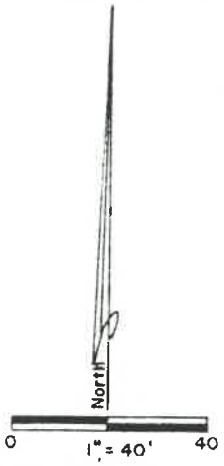
2 BEAMS SIZE: 1.75 X 14.250 GL3100-2.0

SLENDERNESS RATIO = 4.07 LIMIT = 10.0

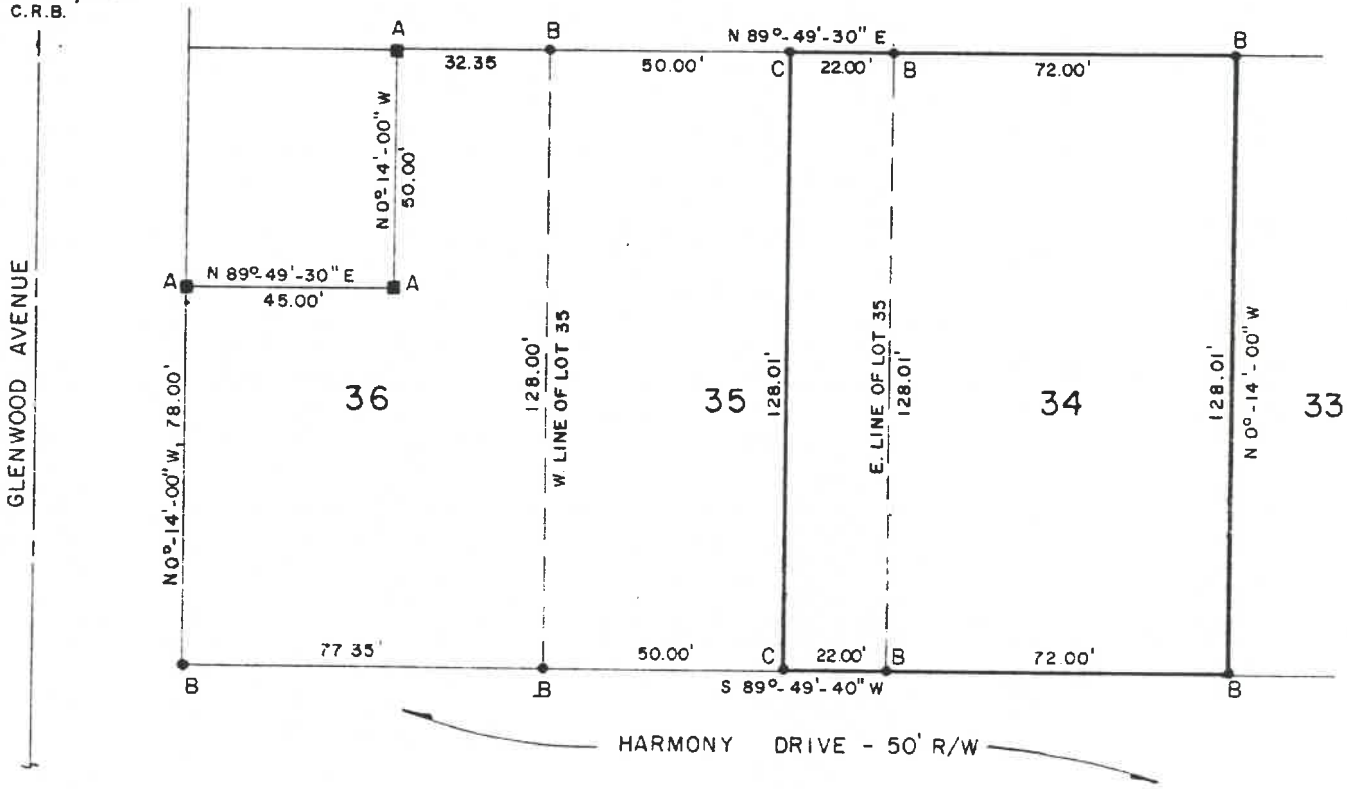
REPLAT OF LOTS 34, 35, 36, BRICKYARD SUBDIVISION

PLAT OF SURVEY

SURVEY OF LOT 34 AND THE EAST 22 FEET OF LOT 35 OF BRICKYARD SUBDIVISION - PHASE I IN THE CITY OF NAPOLEON, HENRY COUNTY, OHIO.



DWG. Nº. D-9004-H
FEBRUARY, 1990
BY: C.R.B.



LEGEND:

A. - FOUND CONC. MONUMENT

B. - FOUND IRON PIN.

C. - PLACED IRON PIN.

RECORD:

SURVEY FILED IN VOLUME 20, PAGE 157 OF THE RECORD OF SURVEYS IN THE OFFICE OF THE HENRY COUNTY ENGINEER, NAPOLEON, OHIO.

RUDOLPH H. BASSELMAN
Engineering & Surveying
1108 S. Defiance St Archbold, OH 43502
(419) 446-2643

Rudolph H Basselman
Professional Surveyor

P.S. 6379

QUOTE WAUSEON WOODWORKING (545624) TGT T-1 STARK TRUSS COMPANY 1556 PERRY DR. SW CANTON OHIO 44706
OH

7 83-19F
SCALE= 3/16

JT	TYPE	W	LEN	Y	X (MEMBER)
1	HL01 GNQ20	3.0X	5.0		
2	IN11 GNQ20	1.0X	4.0		
3	PK12 GNQ20	4.0X	4.0		
4	IN02 GNQ20	4.0X	5.0		
5	HL01 GNQ20	3.0X	5.0		
6	IN11 GNQ20	2.5X	4.0		
7	IN02 GNQ20	3.0X	4.0		
8	IN02 GNQ20	3.0X	4.0		

SPLICES
7- 8 SP10 GNQ20 3.0X 5.0

DESIGN SPECS. FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TPI,1985

MEMBR FR-TO	FORCE (LBS)	CHORDS HOR DISP FT-IN-SX	SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC. LENGTH	WEBS MEMBR FR-TO	WEBS FORCE (LBS)
1- 2	2117C	8- 1-14	5.000	70.0	0.0	2- 8	516C
2- 3	1786C	7- 6- 2	5.000	70.0	0.0	3- 8	781T
3- 4	1315C	7- 6- 2	-5.000	70.0	0.0	3- 7	67T
4- 5	1185T	8- 1-14	-5.000	70.0	0.0	4- 7	145T
5- 6	1094C	3- 6- 0	0.000	20.0	5.3	4- 6	2750C
6- 7	1128T	7- 1-15	0.000	20.0	10.0		
7- 8	1173T	10- 0- 2	0.000	20.0	10.0		
8- 1	1954T	10- 7-15	0.000	20.0	6.3		

CONC JT	LOAD LBS
1	140
5	140

CHORDS SIZE LUMBER DESCRIPTION
1- 3 2X 4 NO.1 KD15 SO. PINE
3- 5 2X 4 NO.1 KD15 SO. PINE
5- 1 2X 4 NO.2 KD15 SO. PINE
WEBS 2X 4 NO.3 S.P.F.
2- 8 3- 8 3- 7 4- 7
WEBS 2X 4 NO.2 KD15 SO. PINE
4- 6

THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

DESIGN CRITERIA
TOP CH. LL= 25 PSF
DL= 10 PSF
BOT CH. LL= 0 PSF
DL= 10 PSF
TOTAL LOAD= 45 PSF
SPACING= 24 IN. C/C
INPUT DEFL. L/360
INCREASES(PER CENT)
LUMBER= 15 NAIL= 15
TCH LS= 15 BCH LS= 15

NAIL VALUES(PSI) GROSS	CHORDS MAX MIN	WEBS MAX MIN
GNQ20	228 180	228 140

RIGHT CANTILEVER= 3- 4- 0
LEFT OVERHANG = 2- 0- 0
RIGHT OVERHANG= 2- 0- 0

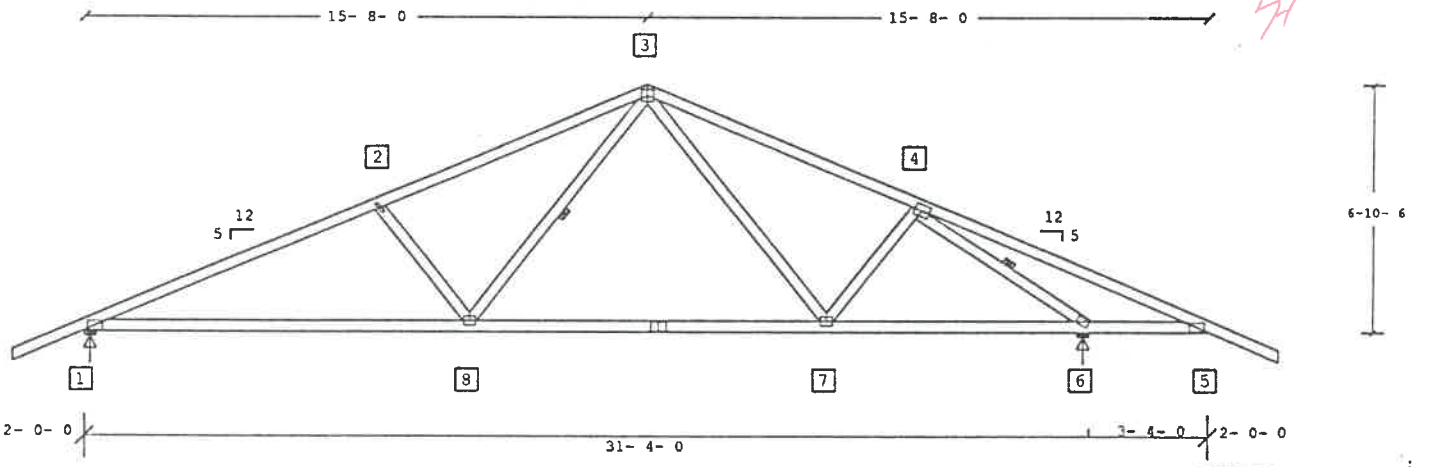
PROVIDE ANCHORAGE AT BEARING JT- 1 FOR 176 LBS UPLIFT
PROVIDE ANCHORAGE AT BEARING JT- 6 FOR 423 LBS UPLIFT
PROVIDE FOR 30.0 LBS HORIZONTAL REACTION AT JOINT- 1

THIS TRUSS HAS BEEN DESIGNED FOR THE WIND LOADS GENERATED BY 90.0 M.P.H. WINDS AT 25.0 FT. ABOVE GROUND LEVEL, USING 7.0 P.S.F TOP CHORD DEAD LOAD AND 10.0 P.S.F BOTTOM CHORD DEAD LOAD, 100.0 MILES FROM HURRICANE OCEANLINE, ON A CATEGORY I ENCLOSED BUILDING, OF DIMENSIONS 99.0 BY 28.0 WITH EXPOSURE C (ANSI A58.1-1982).
MAX. PURLIN SPACE= 0.0 FT. , MAX. UNBRACED BOT.CH. LEN.= 5.3 FT.
*** PLYWOOD SHEATHING REQUIRED ON TOP CHORD ***
1-1X4 LAT. BRACE REQD. AT 1/2 LEN. WEBS 3- 8 4- 6

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING. BY OTHERS.

REJECTED NO BOT CR LIVE LOAD. 1-5-90 EH

89-5163-1



4AC
0.85
0.86
0.5e

JT	GROSS REACT	BRG IN-SX
1	1355	4- 0
6	1745	4- 0

CAMBER= 0-2/8 HEEL = 4/16

0 1 2

Handling & Erection
Careless handling of components shall not be permitted. Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all bracing and fastenings are complete. At no time shall loads greater than design loads be applied to the component.
Care must be exercised to install component at proper bearing points, right side up, and properly braced. Read all notes hereon and obtain any design assistance indicated.
Gang Nail Systems, Inc. exercises no control and accepts no responsibility for the fabrication, handling, shipment and installation of components.

Miscellaneous Information
This data sheet and the information hereon is the property of Gang-Nail Systems, Inc. and is not to be copied in whole or in part or used for unauthorized exploitation of the items disclosed herein or in any other way disclosed or used for furnishing information to others.
The use of this component shall be specified by the designer of the complete structure.
Obtain all necessary code compliances, approvals and instructions from the designer of the complete structure before using this component.
If the design criteria listed above does not meet local building code requirements, DO NOT USE THIS DESIGN.
When this drawing is signed and sealed, Gang-Nail Systems, Inc. is approving only the structural design of the unit shown on the basis of data provided by the customer and shown on this drawing.

Bracing Information
All lateral bracing specified is for bracing individual web members and must be installed.
Web braces where required are to be equally spaced along web length.
Chord members are assumed to be laterally restrained by sheathing, purlins or ceiling materials.
Restraint of lateral bracing and additional bracing for the overall structure is to be provided by the designer of the complete structure.

Connector Hardware
Connector plates are manufactured in accordance with TPI.
Plates must be installed on both faces of the lumber with teeth fully embedded.
Plates must be of the size, gauge and capacity shown.
Refer to the AutoTruss joint detail sheet for definitions of joint types and plate locations. Position plates symetrically about joints unless other dimensions are shown.

Lumber
Lumber must bear a grade mark from an approved inspection bureau and must be of the size and species shown and equal to or better than the grade specified

Design Criteria
The design and the materials specified are in substantial conformity with the latest revision of NDS, AITC and TPI.

STATE OF OHIO
STANLEY E. KOEHLINGER
E-040491
REGISTERED
PROFESSIONAL ENGINEER

IMPORTANT: READ ALL NOTES ON THIS DRAWING!

11
DEC 19,1989 F3-19F

WARNING- VERIFY YOUR INPUT TO AVOID DESIGN AND FABRICATION MISTAKES.
YOU ARE SOLELY RESPONSIBLE FOR ERRORS RESULTING FROM WRONG INPUT

REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG

13 7
REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG T-1
DEC 19,1989 F3-19F

SPAN (OUT TO OUT) 28.000
NO. OF JOINTS 8
LOC. OF REACTIONS 1 6
SHORT TERM INCREASE TCH 1.15 BCH 1.15 WEBS 1.15 PLATES 1.15

TOP CHORD LOAD SHARE = 15 BOTTOM CHORD LOAD SHARE = 15

PLYWOOD SHEATHING USED ON TOP CHORD WHERE APPLICABLE.

TRUSS GEOMETRY AND LOAD DATA

JT	HOR.DISP. FT	VER.DISP. SLOPE/12	VERTICAL UNIF.LD. PLF	VERTICAL CONC.LD. LBS
1	8.1583	5.0000	-70.00	-140.00
2	7.5083	5.0000	-70.00	0.00
3	7.5083	-5.0000	-70.00	0.00
4	8.1583	-5.0000	-70.00	0.00
5	-3.5000	0.0000	-20.00	-140.00
6	-7.1611	0.0000	-20.00	0.00
7	-10.0111	0.0000	-20.00	0.00
8	-10.6611	0.0000	-20.00	0.00

TOTAL POSITIVE DISPLACEMENT= 31.33

NO. OF WEBS= 5
2- 8 3- 8 3- 7 4- 7 4- 6

GROSS REACTIONS(LBS):
RV- 1= 1355.1 RV- 6= 1744.9
RH- 1= 0.0

MEM	FORCE LBS	WID IN.	DEP IN.	FB PSI	FC:FT PSI	Q	P/AF	VM/ZF	HM/ZF	CSI	LAT. BRC
TOP CHORD MEMBERS											
1- 2	-2117.	1.50	3.50	2415	1668	0.90	0.24	0.65	0.00	0.89	0.0
2- 3	-1786.	1.50	3.50	2415	1668	0.90	0.20	0.65	0.00	0.85	0.0
3- 4	-1315.	1.50	3.50	2415	1668	0.90	0.15	0.65	0.00	0.80	0.0
4- 5	1185.	1.50	3.50	2415	1208	0.90	0.19	0.65	0.00	0.84	0.0
BOT CHORD MEMBERS											
5- 6	-1094.	1.50	3.50	1825	968	1.00	0.22	0.22	0.00	0.44	5.3
6- 7	1128.	1.50	3.50	2013	1035	1.00	0.21	0.40	0.00	0.60	10.0
7- 8	1173.	1.50	3.50	2013	1035	1.00	0.22	0.50	0.00	0.72	10.0
8- 1	1954.	1.50	3.50	2013	1035	1.00	0.36	0.50	0.00	0.86	10.0
WEB MEMBERS											
2- 8	-516.	1.50	3.50	633	418	0.00	0.24	0.00	0.00	0.24	4.2
3- 8	781.	1.50	3.50	633	374	0.00	0.40	0.00	0.00	0.40	8.2
3- 7	67.	1.50	3.50	633	374	0.00	0.03	0.00	0.00	0.03	8.2
4- 7	145.	1.50	3.50	633	374	0.00	0.07	0.00	0.00	0.07	4.2
4- 6	-2750.	1.50	3.50	1783	902	0.00	0.58	0.00	0.00	0.58	2.9

DEFLECTION AT 8 = -0.1709 INCHES
DEFLECTION BETWEEN 1- 8 = -0.4651 INCHES

EXPLANATIONS:
P/AF = AXIAL FORCE DIVIDED BY THE CROSS-SECTIONAL AREA AND THE ALLOWABLE UNIT STRESS IN TENSION OR COMPRESSION.
VM/ZF= VERTICAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
HM/ZF= HORIZONTAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
CSI = COMBINED STRESS INTERACTION EQUATION IS THE ADDITION OF P/AF + VM/ZF + HM/ZF
LAT. = MAXIMUM DISTANCE ALLOWABLE(FT) WITHOUT REQUIRING LATERAL BRC SUPPORT.
STRESSES SHOWN (FB FT FC) ARE ALLOWABLE LUMBER STRESSES MODIFIED BY THE SHORT TERM INCREASE AND OTHER APPROPRIATE FACTORS WHEREVER APPLICABLE.

STATE OF OHIO
STANLEY
KOEHLINGER
E-040411
REGISTERED
PROFESSIONAL ENGINEER

CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 4	NO.1 KD15 SO. PINE
3- 5	2X 4	NO.1 KD15 SO. PINE
5- 1	2X 4	NO.2 KD15 SO. PINE
WEBS	2X 4	NO.3 S.P.F.
2- 8 3- 8 3- 7 4- 7		
WEBS	2X 4	NO.2 KD15 SO. PINE
4- 6		

QUOTE WAUSEON WOODWORKING (545624) TGT T-2 STARK TRUSS COMPANY 1556 PERRY DR. SW CANTON OHIO 44706
OH

3 F3-19F
SCALE= 3/16

JT	TYPE	W	LEN	Y	X (MEMBER)
1	HL01	GNQ20	3.0X	6.0	
2	IN11	GNQ20	1.0X	4.0	
3	PK12	GNQ20	4.0X	4.0	
4	IN11	GNQ20	1.0X	4.0	
5	HL01	GNQ20	3.0X	6.0	
6	IN02	GNQ20	3.0X	4.0	
7	IN02	GNQ20	3.0X	4.0	

SPLICES
6- 7 SP10 GNQ20 3.0X 5.0

DESIGN SPECS. FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TPI,1985

MEMBR FR-TO	FORCE (LBS)	CHORDS HOR DISP FT-IN-SX	SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC. LENGTH
1- 2	2590C	8- 1-14	5.000	70.0	0.0
2- 3	2263C	7- 6- 2	5.000	70.0	0.0
3- 4	2263C	7- 6- 2	-5.000	70.0	0.0
4- 5	2590C	8- 1-14	-5.000	70.0	0.0
5- 6	2391T	10- 7-15	0.000	20.0	10.0
6- 7	1618T	10- 0- 2	0.000	20.0	10.0
7- 1	2391T	10- 7-15	0.000	20.0	10.0

MEMBR FR-TO	FORCE (LBS)	WEBS
2- 7	510C	
3- 7	772T	
3- 6	772T	
4- 6	510C	

CONC LOAD JT	LBS
1	140
5	140

MAX. PURLIN SPACE= 0.0 FT. , MAX. UNBRACED BOT.CH. LEN.= 10.0 FT.
*** PLYWOOD SHEATHING REQUIRED ON TOP CHORD ***

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING. BY OTHERS.

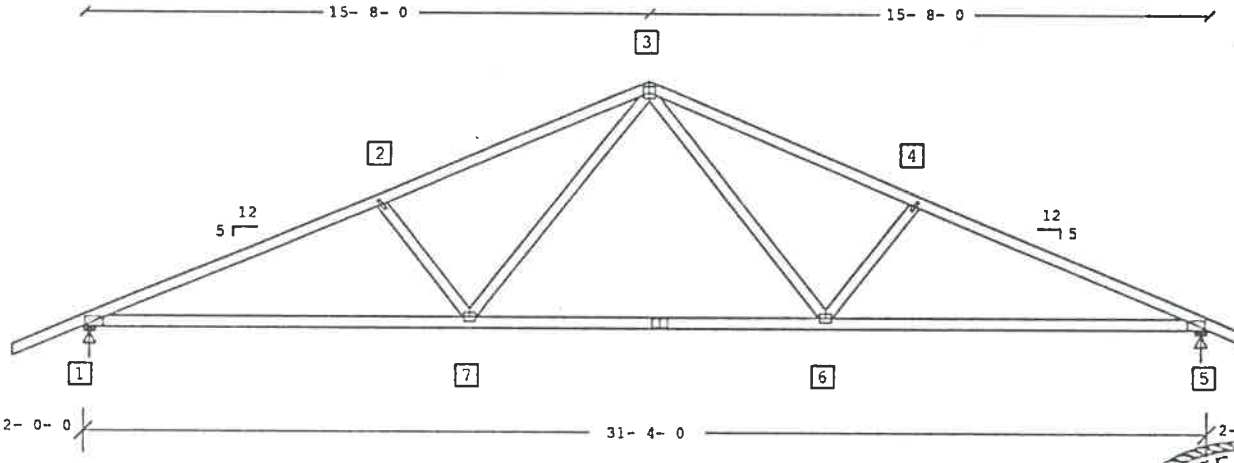
CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 4	NO.1 KD15 SO. PINE
3- 5	2X 4	NO.1 KD15 SO. PINE
5- 1	2X 4	NO.2 KD15 SO. PINE
ALL WEBS	2X 4	NO.3 S.P.F.

THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

DESIGN CRITERIA	
TOP CH. LL=	25 PSF
DL=	10 PSF
BOT CH. LL=	0 PSF
DL=	10 PSF
TOTAL LOAD=	45 PSF
SPACING=	24 IN. C/C
INPUT DEFL.	L/360
INCREASES(PER CENT)	
LUMBER= 15 NAIL= 15	
TCH LS= 15 BCH LS= 15	

NAIL VALUES(PSI)	GROSS CHORDS MAX	MIN	WEBS MAX	MIN
GNQ20	228	180	190	140

LEFT OVERHANG = 2- 0- 0
RIGHT OVERHANG= 2- 0- 0



JT	GROSS REACT	BRG IN-SX
1	1550	4- 0
5	1550	4- 0

CAMBER= 0-2/8 HEEL = 4/16

Handling & Erection	Miscellaneous Information	Bracing Information	Connector Hardware	Lumber
Careless handling of components shall not be permitted. Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all bracing and fastenings are complete. At no time shall loads greater than design loads be applied to the component. Care must be exercised to install component at proper bearing points, right side up, and properly braced. Read all notes hereon and obtain any design assistance indicated. Gang Nail Systems, Inc. exercises no control and accepts no responsibility for the fabrication, handling, shipment and installation of components.	This data sheet and the information hereon is the property of Gang Nail Systems, Inc. and is not to be copied in whole or in part or used for unauthorized exploitation of the items disclosed herein or in any other way disclosed or used for furnishing information to others. The use of this component shall be specified by the designer of the complete structure. Obtain all necessary code compliances, approvals and instructions from the designer of the complete structure before using this component. If the design criteria listed above does not meet local building code requirements, DO NOT USE THIS DESIGN. When this drawing is signed and sealed, Gang-Nail Systems, Inc. is approving only the structural design of the unit shown on the basis of data provided by the customer and shown on this drawing.	All lateral bracing specified is for bracing individual web members and must be installed. Web braces where required are to be equally spaced along web length. Chord members are assumed to be laterally restrained by sheathing, purlins or ceiling materials. Restraint of lateral bracing and additional bracing for the overall structure is to be provided by the designer of the complete structure.	Connector plates are manufactured in accordance with TPI. Plates must be installed on both faces of the lumber with teeth fully embedded. Plates must be of the size, gauge and capacity shown. Refer to the AutoTruss joint detail sheet for definitions of joint types and plate locations. Position plates symetrically about joints unless other dimensions are shown.	Lumber must bear a grade mark from an approved inspection bureau and must be of the size and species shown and equal to or better than the grade specified
				Design Criteria
				The design and the materials specified are in substantial conformity with the latest revision of NDS, AITC and TPI.

STATE OF OHIO
STANLEY E. KOEHLINGER
E-040411
REGISTERED
DEC 19,1989
PROFESSIONAL ENGINEER

IMPORTANT: READ ALL NOTES ON THIS DRAWING!

11
DEC 19,1989 F3-19F

WARNING- VERIFY YOUR INPUT TO AVOID DESIGN AND FABRICATION MISTAKES.
YOU ARE SOLELY RESPONSIBLE FOR ERRORS RESULTING FROM WRONG INPUT

REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG

13 7
REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG T-2
DEC 19,1989 F3-19F

SPAN (OUT TO OUT) 31.333
NO. OF JOINTS 7
LOC. OF REACTIONS 1 5
SHORT TERM INCREASE TCH 1.15 BCH 1.15 WEBS 1.15 PLATES 1.15

TOP CHORD LOAD SHARE = 15 BOTTOM CHORD LOAD SHARE = 15

PLYWOOD SHEATHING USED ON TOP CHORD WHERE APPLICABLE.

TRUSS GEOMETRY AND LOAD DATA

JT	HOR.DISP. FT	VER.DISP. SLOPE/12	VERTICAL UNIF.LD. PLF	VERTICAL CONC.LD. LBS
1	8.1583	5.0000	-70.00	-140.00
2	7.5083	5.0000	-70.00	0.00
3	7.5083	-5.0000	-70.00	0.00
4	8.1583	-5.0000	-70.00	0.00
5	-10.6611	0.0000	-20.00	-140.00
6	-10.0111	0.0000	-20.00	0.00
7	-10.6611	0.0000	-20.00	0.00

TOTAL POSITIVE DISPLACEMENT= 31.33

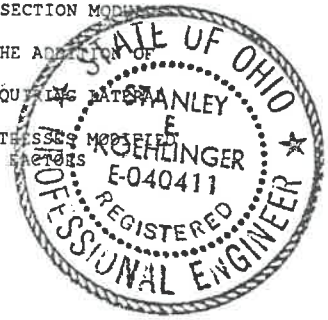
NO. OF WEBS= 4
2- 7 3- 7 3- 6 4- 6

GROSS REACTIONS(LBS):
RV- 1= 1550.0 RV- 5= 1550.0
RH- 1= 0.0

MEM	FORCE LBS	WID IN.	DEP IN.	FB PSI	FC:FT PSI	Q	P/AF	VM/ZF	HM/ZF	CSI	LAT. BRC
TOP CHORD MEMBERS											
1- 2	-2590.	1.50	3.50	2415	1668	0.90	0.30	0.65	0.00	0.94	0.0
2- 3	-2263.	1.50	3.50	2415	1668	0.90	0.26	0.65	0.00	0.91	0.0
3- 4	-2263.	1.50	3.50	2415	1668	0.90	0.26	0.65	0.00	0.91	0.0
4- 5	-2590.	1.50	3.50	2415	1668	0.90	0.30	0.65	0.00	0.94	0.0
BOT CHORD MEMBERS											
5- 6	2391.	1.50	3.50	2013	1035	1.00	0.44	0.50	0.00	0.94	10.0
6- 7	1618.	1.50	3.50	2013	1035	1.00	0.30	0.50	0.00	0.80	10.0
7- 1	2391.	1.50	3.50	2013	1035	1.00	0.44	0.50	0.00	0.94	10.0
WEB MEMBERS											
2- 7	-510.	1.50	3.50	633	418	0.00	0.23	0.00	0.00	0.23	4.2
3- 7	772.	1.50	3.50	633	374	0.00	0.39	0.00	0.00	0.39	8.2
3- 6	772.	1.50	3.50	633	374	0.00	0.39	0.00	0.00	0.39	8.2
4- 6	-510.	1.50	3.50	633	418	0.00	0.23	0.00	0.00	0.23	4.2

DEFLECTION AT 6 = -0.2635 INCHES
DEFLECTION BETWEEN 6- 7 = -0.5587 INCHES

EXPLANATIONS:
P/AF = AXIAL FORCE DIVIDED BY THE CROSS-SECTIONAL AREA AND THE ALLOWABLE UNIT STRESS IN TENSION OR COMPRESSION.
VM/ZF= VERTICAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
HM/ZF= HORIZONTAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
CSI = COMBINED STRESS INTERACTION EQUATION IS THE ADDITION OF P/AF + VM/ZF + HM/ZF
LAT. BRC = MAXIMUM DISTANCE ALLOWABLE(FT) WITHOUT REQUIRING LATERAL SUPPORT.
STRESSES SHOWN (FB FT FC) ARE ALLOWABLE LUMBER STRESSES MODIFIED BY THE SHORT TERM INCREASE AND OTHER APPROPRIATE FACTORS WHEREVER APPLICABLE.



CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 4	NO.1 KD15 SO. PINE
3- 5	2X 4	NO.1 KD15 SO. PINE
5- 1	2X 4	NO.2 KD15 SO. PINE
ALL WEBS	2X 4	NO.3 S.P.F.

QUOTE WAUSEON WOODWORKING (545624) TGT T-3 STARK TRUSS COMPANY 1556 PERRY DR. SW CANTON OHIO 44706
OH

7 F3-S9F
SCALE=" 3/16

JT	TYPE	W	LEN	Y	X (MEMBER)
1	HL01	GNQ20	3.0X	6.0	
2	IN11	GNQ20	1.0X	4.0	
3	PK12	GNQ20	4.0X	4.0	
4	IN11	GNQ20	1.0X	4.0	
5	HL01	GNQ20	3.0X	6.0	
6	IN02	GNQ20	3.0X	4.0	
7	IN02	GNQ20	3.0X	4.0	

SPLICES
6- 7 SP10 GNQ20 3.0X 5.0

DESIGN SPECS. FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TPI,1985

CHORDS

MEMBR FR-TO	FORCE (LBS)	HOR DISP FT-IN-SX	SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC. LENGTH
1- 2	2590C	8- 1-14	5.000	70.0	0.0
2- 3	2263C	7- 6- 2	5.000	70.0	0.0
3- 4	2263C	7- 6- 2	-5.000	70.0	0.0
4- 5	2590C	8- 1-14	-5.000	70.0	0.0
5- 6	2391T	10- 7-15	0.000	20.0	10.0
6- 7	1618T	10- 0- 2	0.000	20.0	10.0
7- 1	2391T	10- 7-15	0.000	20.0	10.0

WEBS

MEMBR FR-TO	FORCE (LBS)
2- 7	510C
3- 7	772T
3- 6	772T
4- 6	510C

CONC LOAD

JT	LBS
1	140

MAX. PURLIN SPACE= 0.0 FT. , MAX. UNBRACED BOT.CH. LEN.= 10.0 FT.
*** PLYWOOD SHEATHING REQUIRED ON TOP CHORD ***

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING. BY OTHERS.

CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 4	NO.1 KD15 SO. PINE
3- 5	2X 4	NO.1 KD15 SO. PINE
5- 1	2X 4	NO.2 KD15 SO. PINE
ALL WEBS	2X 4	NO.3 S.P.F.

THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

DESIGN CRITERIA

TOP CH. LL= 25 PSF
DL= 10 PSF
BOT CH. LL= 0 PSF
DL= 10 PSF
TOTAL LOAD= 45 PSF

SPACING= 24 IN. C/C

INPUT DEFL. L/360

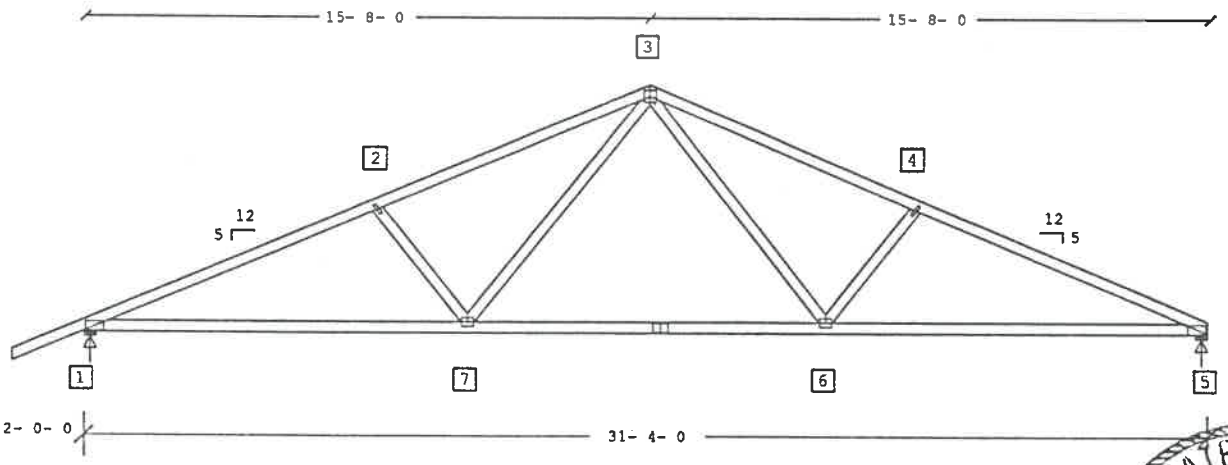
INCREASES(PER CENT)
LUMBER= 15 NAIL= 15
TCH LS= 15 BCH LS= 15

NAIL VALUES(PSI) GROSS

	CHORDS MAX	CHORDS MIN	WEBS MAX	WEBS MIN
GNQ20	228	180	190	140

LEFT OVERHANG = 2- 0- 0

S9-5163-3



JT	GROSS REACT	BRG IN-SX
1	1550	4- 0
5	1410	4- 0

CAMBER= 0-2/8 HEEL = 4/16

STATE OF OHIO
STANLEY E. KOEHLINGER
E-040411
REGISTERED
PROFESSIONAL ENGINEER

Handling & Erection

Careless handling of components shall not be permitted. Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all bracing and fastenings are complete. At no time shall loads greater than design loads be applied to the component.

Care must be exercised to install component at proper bearing points, right side up, and properly braced. Read all notes hereon and obtain any design assistance indicated.

Gang Nail Systems, Inc. exercises no control and accepts no responsibility for the fabrication, handling, shipment and installation of components.

Miscellaneous Information

This data sheet and the information hereon is the property of Gang-Nail Systems, Inc. and is not to be copied in whole or in part or used for unauthorized exploitation of the items disclosed herein or in any other way disclosed or used for furnishing information to others

The use of this component shall be specified by the designer of the complete structure.

Obtain all necessary code compliances, approvals and instructions from the designer of the complete structure before using this component.

If the design criteria listed above does not meet local building code requirements, DO NOT USE THIS DESIGN.

When this drawing is signed and sealed, Gang-Nail Systems, Inc. is approving only the structural design of the unit shown on the basis of data provided by the customer and shown on this drawing.

Bracing Information

All lateral bracing specified is for bracing individual web members and must be installed.

Web braces where required are to be equally spaced along web length.

Chord members are assumed to be laterally restrained by sheathing, purlins or ceiling materials.

Restraint of lateral bracing and additional bracing for the overall structure is to be provided by the designer of the complete structure.

Connector Hardware

Connector plates are manufactured in accordance with TPI.

Plates must be installed on both faces of the lumber with teeth fully embedded.

Plates must be of the size, gauge and capacity shown.

Refer to the AutoTruss joint detail sheet for definitions of joint types and plate locations. Position plates symetrically about joints unless other dimensions are shown.

Lumber

Lumber must bear a grade mark from an approved inspection bureau and must be of the size and species shown and equal to or better than the grade specified

Design Criteria

The design and the materials specified are in substantial conformity with the latest revision of NDS, AITC and TPI.

IMPORTANT: READ ALL NOTES ON THIS DRAWING!

11
DEC 19,1989 F3-19F

WARNING- VERIFY YOUR INPUT TO AVOID DESIGN AND FABRICATION MISTAKES.
YOU ARE SOLELY RESPONSIBLE FOR ERRORS RESULTING FROM WRONG INPUT

REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG

13 7
REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG T-3
DEC 19,1989 F3-19F

SPAN (OUT TO OUT) 31.333
NO. OF JOINTS 7
LOC. OF REACTIONS 1 5
SHORT TERM INCREASE TCH 1.15 BCH 1.15 WEBS 1.15 PLATES 1.15

TOP CHORD LOAD SHARE = 15 BOTTOM CHORD LOAD SHARE = 15

PLYWOOD SHEATHING USED ON TOP CHORD WHERE APPLICABLE.

TRUSS GEOMETRY AND LOAD DATA

JT	HOR.DISP. FT	VER.DISP. SLOPE/12	VERTICAL UNIF.LD. PLF	VERTICAL CONC.LD. LBS
1	8.1583	5.0000	-70.00	-140.00
2	7.5083	5.0000	-70.00	0.00
3	7.5083	-5.0000	-70.00	0.00
4	8.1583	-5.0000	-70.00	0.00
5	-10.6611	0.0000	-20.00	0.00
6	-10.0111	0.0000	-20.00	0.00
7	-10.6611	0.0000	-20.00	0.00

TOTAL POSITIVE DISPLACEMENT= 31.33

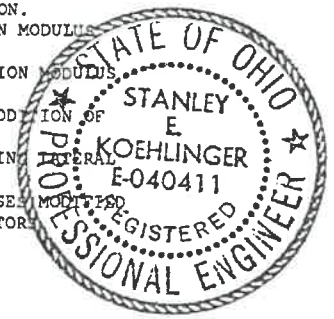
NO. OF WEBS= 4
2- 7 3- 7 3- 6 4- 6

GROSS REACTIONS(LBS):
RV- 1= 1550.0 RV- 5= 1410.0
RH- 1= 0.0

MEM	FORCE LBS	WID IN.	DEP IN.	FB PSI	FC:FT PSI	Q	P/AF	VM/ZF	HM/ZF	CSI	LAT. BRC
TOP CHORD MEMBERS											
1- 2	-2590.	1.50	3.50	2415	1668	0.90	0.30	0.65	0.00	0.94	0.0
2- 3	-2263.	1.50	3.50	2415	1668	0.90	0.26	0.65	0.00	0.91	0.0
3- 4	-2263.	1.50	3.50	2415	1668	0.90	0.26	0.65	0.00	0.91	0.0
4- 5	-2590.	1.50	3.50	2415	1668	0.90	0.30	0.65	0.00	0.94	0.0
BOT CHORD MEMBERS											
5- 6	2391.	1.50	3.50	2013	1035	1.00	0.44	0.50	0.00	0.94	10.0
6- 7	1618.	1.50	3.50	2013	1035	1.00	0.30	0.50	0.00	0.80	10.0
7- 1	2391.	1.50	3.50	2013	1035	1.00	0.44	0.50	0.00	0.94	10.0
WEB MEMBERS											
2- 7	-510.	1.50	3.50	633	418	0.00	0.23	0.00	0.00	0.23	4.2
3- 7	772.	1.50	3.50	633	374	0.00	0.39	0.00	0.00	0.39	8.2
3- 6	772.	1.50	3.50	633	374	0.00	0.39	0.00	0.00	0.39	8.2
4- 6	-510.	1.50	3.50	633	418	0.00	0.23	0.00	0.00	0.23	4.2

DEFLECTION AT 6 = -0.2635 INCHES
DEFLECTION BETWEEN 6- 7 = -0.5587 INCHES

EXPLANATIONS:
P/AF = AXIAL FORCE DIVIDED BY THE CROSS-SECTIONAL AREA AND THE ALLOWABLE UNIT STRESS IN TENSION OR COMPRESSION.
VM/ZF= VERTICAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
HM/ZF= HORIZONTAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
CSI = COMBINED STRESS INTERACTION EQUATION IS THE ADDITION OF P/AF + VM/ZF + HM/ZF
LAT. BRC = MAXIMUM DISTANCE ALLOWABLE(FT) WITHOUT REQUIRING LATERAL SUPPORT.
STRESSES SHOWN (FB FT FC) ARE ALLOWABLE LUMBER STRESSES MODIFIED BY THE SHORT TERM INCREASE AND OTHER APPROPRIATE FACTORS WHEREVER APPLICABLE.



CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 4	NO.1 KD15 SO. PINE
3- 5	2X 4	NO.1 KD15 SO. PINE
5- 1	2X 4	NO.2 KD15 SO. PINE
ALL WEBS	2X 4	NO.3 S.P.F.

QUOTE WAUSEON WOODWORKING (545624) TGT T-4 STARK TRUSS COMPANY 1556 PERRY DR. SW CANTON OHIO 44706 OH

7 F3-19F
SCALE= 4/16

JT	TYPE	W	LEN	Y	X (MEMBER)
1	HL01 GNQ20	3.0X	5.0		
2	IN11 GNQ20	1.0X	4.0		
3	PK12 GNQ20	4.0X	4.0		
4	IN11 GNQ20	1.0X	4.0		
5	HL01 GNQ20	3.0X	5.0		
6	IN02 GNQ20	3.0X	4.0		
7	IN02 GNQ20	3.0X	4.0		

SPLICES
6- 7 SP10 GNQ20 2.5X 4.0

DESIGN SPECS. FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TPI,1985

MEMBR FR-TO	FORCE (LBS)	CHORDS HOR DISP FT-IN-SX	SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC. LENGTH	WEBS MEMBR FR-TO	WEBS FORCE (LBS)
1- 2	1157C	4-10-13	7.000	70.0	0.0	2- 7	272C
2- 3	1012C	4- 5- 3	7.000	70.0	0.0	3- 7	410T
3- 4	1012C	4- 5- 3	-7.000	70.0	0.0	3- 6	410T
4- 5	1157C	4-10-13	-7.000	70.0	0.0	4- 6	272C
5- 6	1000T	6- 4- 8	0.000	20.0	10.0		
6- 7	679T	5-10-15	0.000	20.0	10.0		
7- 1	1000T	6- 4- 8	0.000	20.0	10.0		

CONC LOAD JT	LBS
1	140
5	140

MAX. PURLIN SPACE= 0.0 FT. , MAX. UNBRACED BOT.CH. LEN.= 10.0 FT.
*** PLYWOOD SHEATHING REQUIRED ON TOP CHORD ***

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING. BY OTHERS.

CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 4	NO.2 KD15 SO. PINE
3- 5	2X 4	NO.2 KD15 SO. PINE
5- 1	2X 4	NO.2 KD15 SO. PINE
ALL WEBS	2X 4	NO.3 S.P.F.

THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

DESIGN CRITERIA

TOP CH. LL= 25 PSF
DL= 10 PSF
BOT CH. LL= 0 PSF 20
DL= 10 PSF
TOTAL LOAD= 45 PSF 65

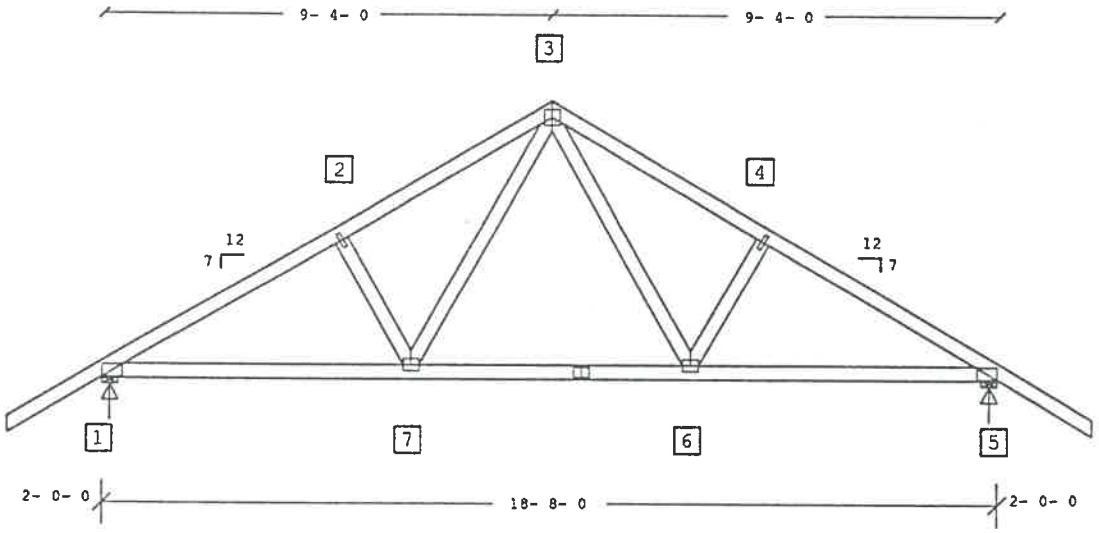
SPACING= 24 IN. C/C

INPUT DEFL. L/360

INCREASES(PER CENT)
LUMBER= 15 NAIL= 15
TCH LS= 15 BCH LS= 15

NAIL VALUES(PSI) GROSS	CHORDS MAX	CHORDS MIN	WEBS MAX	WEBS MIN
GNQ20	228	180	190	140

LEFT OVERHANG = 2- 0- 0
RIGHT OVERHANG= 2- 0- 0



89-5163-4

JT	GROSS REACT	BRG IN-SX
1	980	4- 0
5	980	4- 0

CAMBER= 0-0/8 HEEL = 4/16

Handling & Erection	Miscellaneous Information	Bracing Information	Connector Hardware	Lumber / Design Criteria
Careless handling of components shall not be permitted. Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all bracing and fastenings are complete. At no time shall loads greater than design loads be applied to the component. Care must be exercised to install component at proper bearing points, right side up, and properly braced. Read all notes hereon and obtain any design assistance indicated. Gang-Nail Systems, Inc. exercises no control and accepts no responsibility for the fabrication, handling, shipment and installation of components.	This data sheet and the information hereon is the property of Gang-Nail Systems, Inc. and is not to be copied in whole or in part or used for unauthorized exploitation of the items disclosed herein or in any other way disclosed or used for furnishing information to others. The use of this component shall be specified by the designer of the complete structure. Obtain all necessary code compliances, approvals and instructions from the designer of the complete structure before using this component. If the design criteria listed above does not meet local building code requirements, DO NOT USE THIS DESIGN. When this drawing is signed and sealed, Gang-Nail Systems, Inc. is approving only the structural design of the unit shown on the basis of data provided by the customer and shown on this drawing.	All lateral bracing specified is for bracing individual web members and must be installed. Web braces where required are to be equally spaced along web length. Chord members are assumed to be laterally restrained by sheathing, purlins or ceiling materials. Restraint of lateral bracing and additional bracing for the overall structure is to be provided by the designer of the complete structure.	Connector plates are manufactured in accordance with TPI. Plates must be installed on both faces of the lumber with teeth fully embedded. Plates must be of the size, gauge and capacity shown. Refer to the AutoTruss joint detail sheet for definitions of joint types and plate locations. Position plates symetrically about joints unless other dimensions are shown.	Lumber must bear a grade mark from an approved inspection bureau and must be of the size and species shown and equal to or better than the grade specified. **Design Criteria** The design and the materials specified are in substantial conformity with the latest revision of NDS, AITC and TPI.

STATE OF OHIO
STANLEY E. KOEHLINGER
E-040411
REGISTERED
DEC 19,1988
PROFESSIONAL ENGINEER

IMPORTANT: READ ALL NOTES ON THIS DRAWING!

11
DEC 19,1989 F3-19F

WARNING- VERIFY YOUR INPUT TO AVOID DESIGN AND FABRICATION MISTAKES.
YOU ARE SOLELY RESPONSIBLE FOR ERRORS RESULTING FROM WRONG INPUT

REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG

13 7
REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG T-4
DEC 19,1989 F3-19F

SPAN (OUT TO OUT) 18.667
NO. OF JOINTS 7
LOC. OF REACTIONS 1 5
SHORT TERM INCREASE TCH 1.15 BCH 1.15 WEBS 1.15 PLATES 1.15

TOP CHORD LOAD SHARE = 15 BOTTOM CHORD LOAD SHARE = 15

PLYWOOD SHEATHING USED ON TOP CHORD WHERE APPLICABLE.

TRUSS GEOMETRY AND LOAD DATA

JT	HOR.DISP. FT	VER.DISP. SLOPE/12	VERTICAL UNIF.LD. PLF	VERTICAL CONC.LD. LBS
1	4.8988	7.0000	-70.00	-140.00
2	4.4345	7.0000	-70.00	0.00
3	4.4345	-7.0000	-70.00	0.00
4	4.8988	-7.0000	-70.00	0.00
5	-6.3770	0.0000	-20.00	-140.00
6	-5.9127	0.0000	-20.00	0.00
7	-6.3770	0.0000	-20.00	0.00

TOTAL POSITIVE DISPLACEMENT= 18.67

NO. OF WEBS= 4
2- 7 3- 7 3- 6 4- 6

GROSS REACTIONS(LBS):
RV- 1= 980.0 RV- 5= 980.0
RH- 1= 0.0

MEM	FORCE LBS	WID IN.	DEP IN.	FB PSI	FC:FT PSI	Q	P/AF	VM/ZF	HM/ZF	CSI	LAT. BRC
TOP CHORD MEMBERS											
1- 2	-1157.	1.50	3.50	2013	1323	0.90	0.17	0.27	0.00	0.44	0.0
2- 3	-1012.	1.50	3.50	2013	1323	0.90	0.15	0.27	0.00	0.42	0.0
3- 4	-1012.	1.50	3.50	2013	1323	0.90	0.15	0.27	0.00	0.42	0.0
4- 5	-1157.	1.50	3.50	2013	1323	0.90	0.17	0.27	0.00	0.44	0.0
BOT CHORD MEMBERS											
5- 6	1000.	1.50	3.50	2013	1035	1.00	0.18	0.17	0.00	0.36	10.0
6- 7	679.	1.50	3.50	2013	1035	1.00	0.12	0.17	0.00	0.30	10.0
7- 1	1000.	1.50	3.50	2013	1035	1.00	0.18	0.17	0.00	0.36	10.0
WEB MEMBERS											
2- 7	-272.	1.50	3.50	633	465	0.00	0.11	0.00	0.00	0.11	3.2
3- 7	410.	1.50	3.50	633	374	0.00	0.21	0.00	0.00	0.21	6.2
3- 6	410.	1.50	3.50	633	374	0.00	0.21	0.00	0.00	0.21	6.2
4- 6	-272.	1.50	3.50	633	465	0.00	0.11	0.00	0.00	0.11	3.2

DEFLECTION AT 6 = -0.0600 INCHES
DEFLECTION BETWEEN 6- 7 = -0.0959 INCHES

EXPLANATIONS:
P/AF = AXIAL FORCE DIVIDED BY THE CROSS-SECTIONAL AREA AND THE ALLOWABLE UNIT STRESS IN TENSION OR COMPRESSION.
VM/ZF= VERTICAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
HM/ZF= HORIZONTAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
CSI = COMBINED STRESS INTERACTION EQUATION IS THE ADDITION OF P/AF + VM/ZF + HM/ZF
LAT. BRC = MAXIMUM DISTANCE ALLOWABLE(FT) WITHOUT REQUIRING LATERAL SUPPORT.
STRESSES SHOWN (FB FT FC) ARE ALLOWABLE LUMBER STRESSES MODIFIED BY THE SHORT TERM INCREASE AND OTHER APPROPRIATE FACTORS WHEREVER APPLICABLE.

STATE OF OHIO
STANLEY E. KOEHLINGER
E-040411
REGISTERED
PROFESSIONAL ENGINEER

CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 4	NO.2 KD15 SO. PINE
3- 5	2X 4	NO.2 KD15 SO. PINE
5- 1	2X 4	NO.2 KD15 SO. PINE
ALL WEBS	2X 4	NO.3 S.P.F.

QUOTE WAUSEON WOODWORKING (545624) TGT T-5 STARK TRUSS COMPANY 1556 PERRY DR. SW CANTON OHIO 44706
OH

7 F3-19F
SCALE= 3/16

JT	TYPE	W	LEN	Y	X (MEMBER)
1	HL01	GNQ20	3.0X	6.0	
2	IN11	GNQ20	1.0X	4.0	
3	IN02	GNQ20	3.0X	4.0	
4	PK12	GNQ20	4.0X	4.0	
5	IN11	GNQ20	1.0X	4.0	
6	HL01	GNQ20	3.0X	5.0	
7	IN02	GNQ20	3.0X	4.0	
8	IN02	GNQ20	3.0X	4.0	
9	IN02	GNQ20	3.0X	4.0	

SPLICES
2- 3 SP10 GNQ20 3.0X 5.0
7- 8 SP10 GNQ20 3.0X 5.0

DESIGN SPECS. FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TPI,1985

MEMBR FR-TO	FORCE (LBS)	CHORDS HOR DISP FT-IN-SX	SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC. LENGTH
1- 2	2885C	6- 3- 5	3.827	70.0	0.0
2- 3	2691C	5- 5- 2	3.827	70.0	0.0
3- 4	1765C	5- 5- 2	3.827	70.0	0.0
4- 5	1703C	4- 5- 7	-7.000	70.0	0.0
5- 6	1850C	4-11- 0	-7.000	70.0	0.0
6- 7	1598T	6- 4-13	0.000	20.0	10.0
7- 8	1271T	6- 2-11	0.000	20.0	10.0
8- 9	2010T	6- 6- 3	0.000	20.0	10.0
9- 1	2748T	7- 4- 6	0.000	20.0	10.0

MEMBR FR-TO	FORCE (LBS)	WEBS
2- 9	387C	
3- 9	730T	
3- 8	653C	
4- 8	802T	
4- 7	419T	
5- 7	276C	

CONC LOAD JT	LBS
1	140
6	140

CHORDS	SIZE	LUMBER DESCRIPTION
1- 4	2X 4	NO.2 KD15 SO. PINE
4- 6	2X 4	NO.2 KD15 SO. PINE
6- 1	2X 4	NO.2 KD15 SO. PINE
ALL WEBS	2X 4	NO.3 S.P.F.

MAX. PURLIN SPACE= 0.0 FT. , MAX. UNBRACED BOT.CH. LEN.= 10.0 FT.
*** PLYWOOD SHEATHING REQUIRED ON TOP CHORD ***

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING. BY OTHERS.

THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

DESIGN CRITERIA

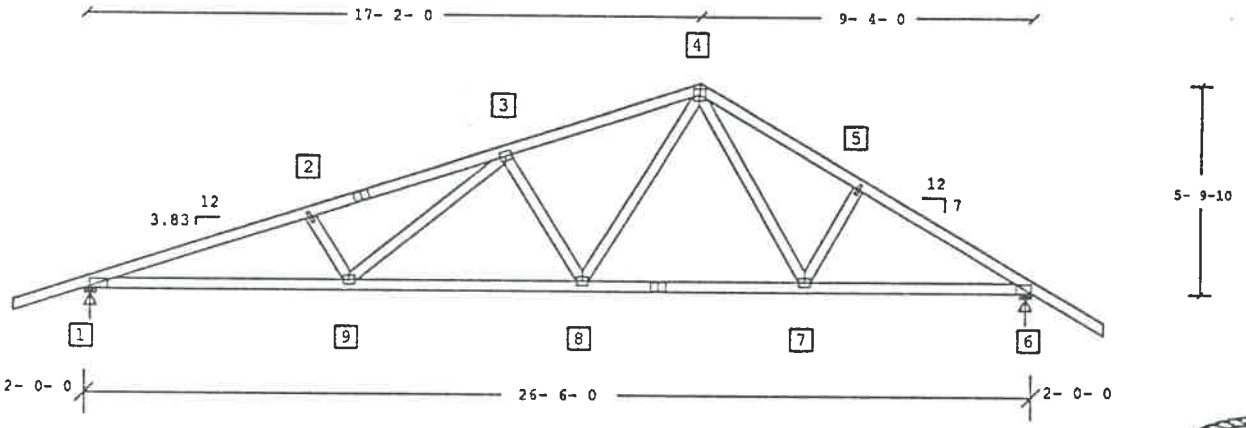
TOP CH.	LL= 25	PSF
	DL= 10	PSF
BOT CH.	LL= 0	PSF
	DL= 10	PSF
TOTAL LOAD=	45	PSF

SPACING= 24 IN. C/C
INPUT DEFL. L/360
INCREASES(PER CENT)
LUMBER= 15 NAIL= 15
TCH LS= 15 BCH LS= 15

	NAIL VALUES(PSI) GROSS CHORDS MAX	MIN	WEBS MAX	MIN
GNQ20	228	180	190	140

LEFT OVERHANG = 2- 0- 0
RIGHT OVERHANG= 2- 0- 0

89-5163-5



JT	GROSS REACT	BRG IN-SX
1	1333	4- 0
6	1333	4- 0

CAMBER= 0-1/8 HEEL = 4/16

32MA
0.82
0.73
0.41
W

Handling & Erection	Miscellaneous Information	Bracing Information	Connector Hardware	Lumber
Careless handling of components shall not be permitted. Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until all bracing and fastenings are complete. At no time shall loads greater than design loads be applied to the component. Care must be exercised to install components at proper bearing points, right side up, and properly braced. Read all notes hereon and obtain any design assistance indicated. Gang-Nail Systems, Inc. exercises no control and accepts no responsibility for the fabrication, handling, shipment and installation of components.	This data sheet and the information hereon is the property of Gang-Nail Systems, Inc. and is not to be copied in whole or in part or used for unauthorized exploitation of the items disclosed herein or in any other way disclosed or used for furnishing information to others. The use of this component shall be specified by the designer of the complete structure. Obtain all necessary code compliances, approvals and instructions from the designer of the complete structure before using this component. If the design criteria listed above does not meet local building code requirements, DO NOT USE THIS DESIGN. When this drawing is signed and sealed, Gang-Nail Systems, Inc. is approving only the structural design of the unit shown on the basis of data provided by the customer and shown on this drawing.	All lateral bracing specified is for bracing individual web members and must be installed. Web braces where required are to be equally spaced along web length. Chord members are assumed to be laterally restrained by sheathing, purlins or ceiling materials. Restraint of lateral bracing and additional bracing for the overall structure is to be provided by the designer of the complete structure.	Connector plates are manufactured in accordance with TPI. Plates must be installed on both faces of the lumber with teeth fully embedded. Plates must be of the size, gauge and capacity shown. Refer to the AutoTruss joint detail sheet for definitions of joint types and plate locations. Position plates symetrically about joints unless other dimensions are shown.	Lumber must bear a grade mark from an approved inspection bureau and must be of the size and species shown and equal to or better than the grade specified.

Design Criteria

The design and the materials specified are in substantial conformity with the latest revision of NDS, AITC and TPI.

STATE OF OHIO
STANLEY E. KOEHLINGER
E-040411
DEC 20, 1989
REGISTERED PROFESSIONAL ENGINEER

1 2

IMPORTANT: READ ALL NOTES ON THIS DRAWING!

11 *
DEC 20,1989 F3-19F

WARNING- VERIFY YOUR INPUT TO AVOID DESIGN AND FABRICATION MISTAKES.
YOU ARE SOLELY RESPONSIBLE FOR ERRORS RESULTING FROM WRONG INPUT

REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG

13 7
REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG T-5
DEC 20,1989 F3-19F

SPAN (OUT TO OUT) 26.500
NO. OF JOINTS 9
LOC. OF REACTIONS 1 6
SHORT TERM INCREASE TCH 1.15 BCH 1.15 WEBS 1.15 PLATES 1.15

TOP CHORD LOAD SHARE = 15 BOTTOM CHORD LOAD SHARE = 15

PLYWOOD SHEATHING USED ON TOP CHORD WHERE APPLICABLE.

TRUSS GEOMETRY AND LOAD DATA

JT	HOR.DISP. FT	VER.DISP. SLOPE/12	VERTICAL UNIF.LD. PLF	VERTICAL CONC.LD. LBS
1	6.2768	3.8275	-70.00	-140.00
2	5.4277	3.8275	-70.00	0.00
3	5.4277	3.8275	-70.00	0.00
4	4.4517	-7.0000	-70.00	0.00
5	4.9160	-7.0000	-70.00	0.00
6	-6.3999	0.0000	-20.00	-140.00
7	-6.2244	0.0000	-20.00	0.00
8	-6.5133	0.0000	-20.00	0.00
9	-7.3624	0.0000	-20.00	0.00

TOTAL POSITIVE DISPLACEMENT= 26.50

NO. OF WEBS= 6
2- 9 3- 9 3- 8 4- 8 4- 7 5- 7

GROSS REACTIONS(LBS):
RV- 1= 1332.5 RV- 6= 1332.5
RH- 1= 0.0

MEM	FORCE LBS	WID IN.	DEP IN.	FB PSI	FC:FT PSI	Q	P/AF	VM/ZF	HM/ZF	CSI	LAT. BRC
TOP CHORD MEMBERS											
1- 2	-2885.	1.50	3.50	1810	1245	0.80	0.44	0.38	0.00	0.82	0.0
2- 3	-2691.	1.50	3.50	1824	1245	0.80	0.41	0.38	0.00	0.79	0.0
3- 4	-1765.	1.50	3.50	2013	1323	0.85	0.25	0.36	0.00	0.62	0.0
4- 5	-1703.	1.50	3.50	2013	1323	0.90	0.25	0.27	0.00	0.52	0.0
5- 6	-1850.	1.50	3.50	2013	1323	0.90	0.27	0.27	0.00	0.54	0.0
BOT CHORD MEMBERS											
6- 7	1598.	1.50	3.50	2013	1035	1.00	0.29	0.18	0.00	0.48	10.0
7- 8	1271.	1.50	3.50	2013	1035	1.00	0.23	0.20	0.00	0.43	10.0
8- 9	2010.	1.50	3.50	2013	1035	1.00	0.37	0.22	0.00	0.59	10.0
9- 1	2748.	1.50	3.50	2013	1035	1.00	0.51	0.22	0.00	0.73	10.0
WEB MEMBERS											
2- 9	-387.	1.50	3.50	633	483	0.00	0.15	0.00	0.00	0.15	2.3
3- 9	730.	1.50	3.50	633	374	0.00	0.37	0.00	0.00	0.37	5.7
3- 8	-653.	1.50	3.50	633	411	0.00	0.30	0.00	0.00	0.30	4.3
4- 8	802.	1.50	3.50	633	374	0.00	0.41	0.00	0.00	0.41	6.4
4- 7	419.	1.50	3.50	633	374	0.00	0.21	0.00	0.00	0.21	6.2
5- 7	-276.	1.50	3.50	633	464	0.00	0.11	0.00	0.00	0.11	3.2

DEFLECTION AT 9 = -0.2704 INCHES
DEFLECTION BETWEEN 8- 9 = -0.3080 INCHES

EXPLANATIONS:
P/AF = AXIAL FORCE DIVIDED BY THE CROSS-SECTIONAL AREA AND THE ALLOWABLE UNIT STRESS IN TENSION OR COMPRESSION.
VM/ZF= VERTICAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
HM/ZF= HORIZONTAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
CSI = COMBINED STRESS INTERACTION EQUATION IS THE ADDITION OF P/AF + VM/ZF + HM/ZF
LAT. BRC = MAXIMUM DISTANCE ALLOWABLE(FT) WITHOUT REQUIRING INTERMEDIATE SUPPORT.
STRESSES SHOWN (FB FT FC) ARE ALLOWABLE LUMBER STRESSES MODIFIED BY THE SHORT TERM INCREASE AND OTHER APPROPRIATE FACTORS WHEREVER APPLICABLE.

CHORDS	SIZE	LUMBER DESCRIPTION
1- 4	2X 4	NO.2 KD15 SO. PINE
4- 6	2X 4	NO.2 KD15 SO. PINE
6- 1	2X 4	NO.2 KD15 SO. PINE
ALL WEBS	2X 4	NO.3 S.P.F.

STATE OF OHIO
STANLEY E. KOEHLINGER
E-040411
REGISTERED
PROFESSIONAL ENGINEER

FLOOR FRAMING OK

GIVE M INFO ON O.H. DOOR
LAM BEAM

128.01'
35
93.01'
62.8'
30'11

12

(CASEMENT) (ANDERSON)

6'
5'-2"
5'-4"

32'-9"
1'-4"
31'-5" = 15'-9"

(40×16)
15'-9" × 50" = 788#

M = w/8 = 788 × 13'-4" × 13'-4" × 12 / 8 = 170,208 / 210,210

S = M/f = 121 ~~130~~ 15

S = bd²/6 = 94.9 4 - 2×12" 2 SYP

10'-2"
13'-4"
12'-4"
7'-10"
4 | 43 8 10'-11"

16'-5"
7
23'-5" = ~~=~~ 11'-9" × 50 = 588

QUOTE WAUSEON WOODWORKING (545624) TGT T-2 STARK TRUSS COMPANY 1556 PERRY DR. SW CANTON OHIO 44706
OH

7 F3-19F
SCALE= 3/16

JT	TYPE	W	LEN	Y	X (MEMBER)
1	HL01	GNQ20	3.0X10.0		
2	IN11	GNQ20	1.0X 4.0		
3	IN02	GNQ20	3.0X 4.0		
4	PK12	GNQ20	4.0X 5.0		
5	IN02	GNQ20	3.0X 4.0		
6	IN11	GNQ20	1.0X 4.0		
7	HL01	GNQ20	3.0X10.0		
8	IN02	GNQ20	3.0X 4.0		
9	IN02	GNQ20	3.0X 5.0		
10	IN02	GNQ20	3.0X 5.0		
11	IN02	GNQ20	3.0X 4.0		

SPLICES
2- 3 SP10 GNQ20 3.0X 5.0
5- 6 SP10 GNQ20 3.0X 5.0
8- 9 SP10 GNA16 3.0X 7.5

DESIGN SPECS. FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TPI,1985

MEMBR FR-TO	FORCE (LBS)	CHORDS HOR DISP FT-IN-SX	CHORDS SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC. LENGTH	WEBS MEMBR FR-TO	WEBS FORCE (LBS)
1- 2	4171C	5- 7-14	5.000	70.0	0.0	2-11	337C
2- 3	4028C	5- 0- 1	5.000	70.0	0.0	3-11	918T
3- 4	3046C	5- 0- 1	5.000	70.0	0.0	3-10	710C
4- 5	3046C	5- 0- 1	-5.000	70.0	0.0	4-10	1101T
5- 6	4028C	5- 0- 1	-5.000	70.0	0.0	4- 9	1101T
6- 7	4171C	5- 7-14	-5.000	70.0	0.0	5- 9	710C
7- 8	3850T	6- 7-14	0.000	60.0	10.0	5- 8	918T
8- 9	3103T	6- 0- 1	0.000	60.0	10.0	6- 8	337C
9-10	2351T	6- 0- 1	0.000	60.0	10.0		
10-11	3103T	6- 0- 1	0.000	60.0	10.0		
11- 1	3850T	6- 7-14	0.000	60.0	10.0		

MAX. PURLIN SPACE= 0.0 FT. , MAX. UNBRACED BOT.CH. LEN.= 10.0 FT.
*** PLYWOOD SHEATHING REQUIRED ON TOP CHORD ***

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING. BY OTHERS.

CONC JT	LOAD LBS
1	140
7	140

CHORDS	SIZE	LUMBER DESCRIPTION
1- 4	2X 4	NO.2 KD15 SO. PINE
4- 7	2X 4	NO.2 KD15 SO. PINE
7- 1	2X 4	NO.1 D.KD15 SO.PINE
ALL WEBS	2X 4	NO.3 S.P.F.

THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

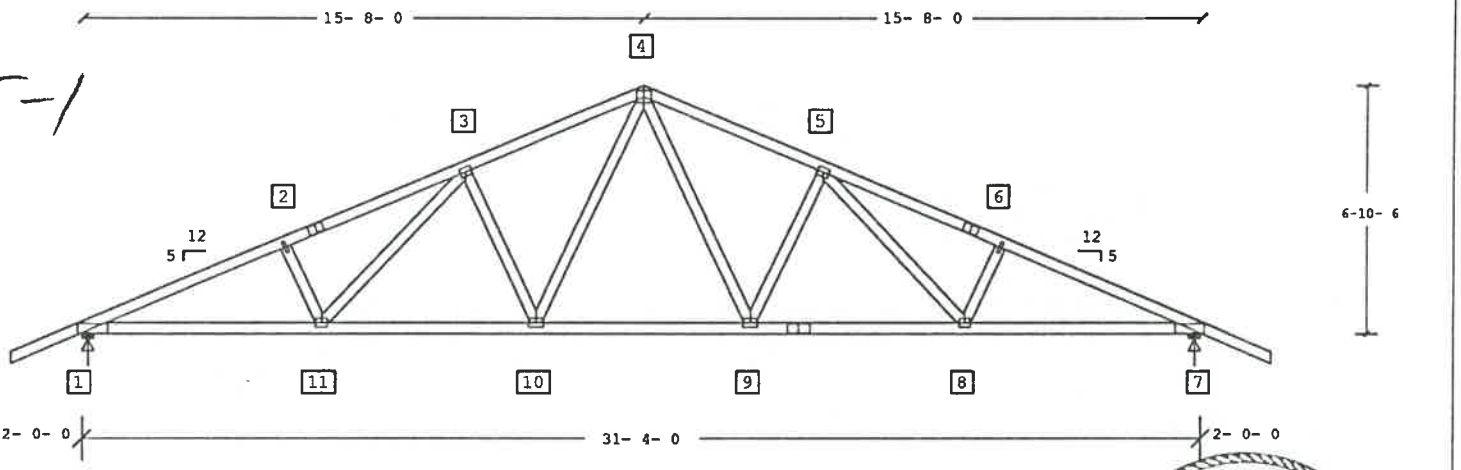
DESIGN CRITERIA
TOP CH. LL= 25 PSF
DL= 10 PSF
BOT CH. LL= 20 PSF
DL= 10 PSF
TOTAL LOAD= 65 PSF
SPACING= 24 IN. C/C
INPUT DEFL. L/360
INCREASES(PER CENT)
LUMBER= 15 NAIL= 15
TCH LS= 15 BCH LS= 15

NAIL VALUES(PSI) GROSS

	CHORDS MAX	CHORDS MIN	WEBS MAX	WEBS MIN
GNQ20	228	180	190	140
GNA16	163	150	122	119

LEFT OVERHANG = 2- 0- 0
RIGHT OVERHANG= 2- 0- 0

90-5005-1
Revised



BAA

JT	GROSS REACT	BRG IN-SX
1	2177	4- 0
7	2177	4- 0

0.91
0.91
0.56

CAMBER= 0-1/8 HEEL = 4/16

1 2

STATE OF OHIO
STANLEY E. KOEHLINGER
E-040411
JAN 19,1990
REGISTERED
PROFESSIONAL ENGINEER

Handling & Erection

Careless handling of components shall not be permitted. Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until after all bracing and fastenings are complete. At no time shall loads greater than design loads be applied to the component.

Care must be exercised to install component at proper bearing points, right side up, and properly braced. Read all notes hereon and obtain any design assistance indicated.

Gang Nail Systems, Inc. exercises no control and accepts no responsibility for the fabrication, handling, shipment and installation of components.

Miscellaneous Information

This data sheet and the information hereon is the property of Gang-Nail Systems, Inc. and is not to be copied in whole or in part or used for unauthorized exploitation of the items disclosed herein or in any other way disclosed or used for furnishing information to others

The use of this component shall be specified by the designer of the complete structure.

Obtain all necessary code compliances, approvals and instructions from the designer of the complete structure before using this component.

If the design criteria listed above does not meet local building code requirements, DO NOT USE THIS DESIGN.

When this drawing is signed and sealed, Gang-Nail Systems, Inc. is approving only the structural design of the unit shown on the basis of data provided by the customer and shown on this drawing.

Bracing Information

All lateral bracing specified is for bracing individual web members and must be installed.

Web braces where required are to be equally spaced along web length.

Chord members are assumed to be laterally restrained by sheathing, purlins or ceiling materials.

Restraint of lateral bracing and additional bracing for the overall structure is to be provided by the designer of the complete structure.

Connector Hardware

Connector plates are manufactured in accordance with TPI.

Plates must be installed on both faces of the lumber with teeth fully embedded.

Plates must be of the size, gauge and capacity shown.

Refer to the AutoTruss joint detail sheet for definitions of joint types and plate locations. Position plates symetrically about joints unless other dimensions are shown.

Lumber

Lumber must bear a grade mark from an approved inspection bureau and must be of the size and species shown and equal to or better than the grade specified

Design Criteria

The design and the materials specified are in substantial conformity with the latest revision of NDS, AITC and TPI.

IMPORTANT: READ ALL NOTES ON THIS DRAWING!

11
JAN 19,1990 F3-19F

WARNING- VERIFY YOUR INPUT TO AVOID DESIGN AND FABRICATION MISTAKES.
YOU ARE SOLELY RESPONSIBLE FOR ERRORS RESULTING FROM WRONG INPUT

REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG

13 7
REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG T-2
JAN 19,1990 F3-19F

SPAN (OUT TO OUT) 31.333
NO. OF JOINTS 11
LOC. OF REACTIONS 1 7
SHORT TERM INCREASE TCH 1.15 BCH 1.15 WEBS 1.15 PLATES 1.15

TOP CHORD LOAD SHARE = 15 BOTTOM CHORD LOAD SHARE = 15

PLYWOOD SHEATHING USED ON TOP CHORD WHERE APPLICABLE.

TRUSS GEOMETRY AND LOAD DATA

JT	HOR.DISP. FT	VER.DISP. SLOPE/12	VERTICAL UNIF.LD. PLF	VERTICAL CONC.LD. LBS
1	5.6556	5.0000	-70.00	-140.00
2	5.0056	5.0000	-70.00	0.00
3	5.0056	5.0000	-70.00	0.00
4	5.0056	-5.0000	-70.00	0.00
5	5.0056	-5.0000	-70.00	0.00
6	5.6556	-5.0000	-70.00	0.00
7	-6.6567	0.0000	-60.00	-140.00
8	-6.0067	0.0000	-60.00	0.00
9	-6.0067	0.0000	-60.00	0.00
10	-6.0067	0.0000	-60.00	0.00
11	-6.6567	0.0000	-60.00	0.00

TOTAL POSITIVE DISPLACEMENT= 31.33

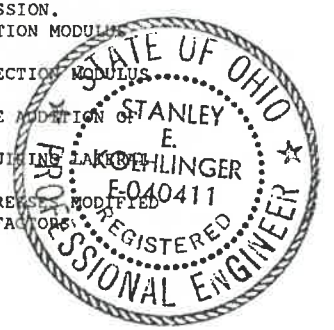
NO. OF WEBS= 8
2-11 3-11 3-10 4-10 4- 9 5- 9 5- 8 6- 8

GROSS REACTIONS(LBS):
RV- 1= 2176.7 RV- 7= 2176.7
RH- 1= 0.0

MEM	FORCE LBS	WID IN.	DEP IN.	FB PSI	FC:FT PSI	Q	P/AF	VM/ZF	HM/ZF	CSI	LAT. BRC
TOP CHORD MEMBERS											
1- 2	-4171.	1.50	3.50	2013	1323	0.85	0.60	0.31	0.00	0.91	0.0
2- 3	-4028.	1.50	3.50	2013	1323	0.85	0.58	0.31	0.00	0.89	0.0
3- 4	-3046.	1.50	3.50	2013	1323	0.85	0.44	0.31	0.00	0.75	0.0
4- 5	-3046.	1.50	3.50	2013	1323	0.85	0.44	0.31	0.00	0.75	0.0
5- 6	-4028.	1.50	3.50	2013	1323	0.85	0.58	0.31	0.00	0.89	0.0
6- 7	-4171.	1.50	3.50	2013	1323	0.85	0.60	0.31	0.00	0.91	0.0
BOT CHORD MEMBERS											
7- 8	3850.	1.50	3.50	2818	1438	1.00	0.51	0.40	0.00	0.91	10.0
8- 9	3103.	1.50	3.50	2818	1438	1.00	0.41	0.40	0.00	0.81	10.0
9-10	2351.	1.50	3.50	2818	1438	1.00	0.31	0.38	0.00	0.69	10.0
10-11	3103.	1.50	3.50	2818	1438	1.00	0.41	0.40	0.00	0.81	10.0
11- 1	3850.	1.50	3.50	2818	1438	1.00	0.51	0.40	0.00	0.91	10.0
WEB MEMBERS											
2-11	-337.	1.50	3.50	633	479	0.00	0.13	0.00	0.00	0.13	2.6
3-11	918.	1.50	3.50	633	374	0.00	0.47	0.00	0.00	0.47	6.0
3-10	-710.	1.50	3.50	633	363	0.00	0.37	0.00	0.00	0.37	4.9
4-10	1101.	1.50	3.50	633	374	0.00	0.56	0.00	0.00	0.56	7.2
4- 9	1101.	1.50	3.50	633	374	0.00	0.56	0.00	0.00	0.56	7.2
5- 9	-710.	1.50	3.50	633	363	0.00	0.37	0.00	0.00	0.37	4.9
5- 8	918.	1.50	3.50	633	374	0.00	0.47	0.00	0.00	0.47	6.0
6- 8	-337.	1.50	3.50	633	479	0.00	0.13	0.00	0.00	0.13	2.6

DEFLECTION AT 9 = -0.4069 INCHES
DEFLECTION BETWEEN 9-10 = -0.5036 INCHES

EXPLANATIONS:
P/AF = AXIAL FORCE DIVIDED BY THE CROSS-SECTIONAL AREA AND THE ALLOWABLE UNIT STRESS IN TENSION OR COMPRESSION.
VM/ZF= VERTICAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
HM/ZF= HORIZONTAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
CSI = COMBINED STRESS INTERACTION EQUATION IS THE ADDITION OF P/AF + VM/ZF + HM/ZF
LAT. = MAXIMUM DISTANCE ALLOWABLE(FT) WITHOUT REQUIRING LATERAL
BRC SUPPORT.
STRESSES SHOWN (FB FT FC) ARE ALLOWABLE LUMBER STRESSES MODIFIED BY THE SHORT TERM INCREASE AND OTHER APPROPRIATE FACTORS WHEREVER APPLICABLE.



CHORDS	SIZE	LUMBER DESCRIPTION
1- 4	2X 4	NO.2 KD15 SO. PINE
4- 7	2X 4	NO.2 KD15 SO. PINE
7- 1	2X 4	NO.1 D.KD15 SO.PINE
ALL WEBS	2X 4	NO.3 S.P.F.

QUOTE WAUSEON WOODWORKING (545624) TGT T-3 STARK TRUSS COMPANY 1556 PERRY DR. SW CANTON OHIO 44706
OH

7 F3-19F
SCALE= 3/16

JT	TYPE	W	LEN	Y	X (MEMBER)
1	HL01 GNQ20	3.0X	10.0		
2	IN11 GNQ20	1.0X	4.0		
3	IN02 GNQ20	3.0X	4.0		
4	PK12 GNQ20	4.0X	5.0		
5	IN02 GNQ20	3.0X	4.0		
6	IN11 GNQ20	1.0X	4.0		
7	HL01 GNQ20	5.0X	6.0	0.25	
8	IN02 GNQ20	3.0X	4.0		
9	IN02 GNQ20	3.0X	5.0		
10	IN02 GNQ20	3.0X	5.0		
11	IN02 GNQ20	3.0X	4.0		

SPLICES
2- 3 SP10 GNQ20 3.0X 5.0
5- 6 SP10 GNQ20 3.0X 5.0
8- 9 SP10 GNA16 3.0X 7.5

DESIGN SPECS. FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TPI,1985

MEMBR FR-TO	FORCE (LBS)	CHORDS HOR DISP FT-IN-SX	CHORDS SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC. LENGTH
1- 2	4171C	5- 7-14	5.000	70.0	0.0
2- 3	4028C	5- 0- 1	5.000	70.0	0.0
3- 4	3046C	5- 0- 1	5.000	70.0	0.0
4- 5	3046C	5- 0- 1	-5.000	70.0	0.0
5- 6	4028C	5- 0- 1	-5.000	70.0	0.0
6- 7	4171C	5- 7-14	-5.000	70.0	0.0
7- 8	3850T	6- 7-14	0.000	60.0	10.0
8- 9	3103T	6- 0- 1	0.000	60.0	10.0
9-10	2351T	6- 0- 1	0.000	60.0	10.0
10-11	3103T	6- 0- 1	0.000	60.0	10.0
11- 1	3850T	6- 7-14	0.000	60.0	10.0

WEBS MEMBR FR-TO	FORCE (LBS)
2-11	337C
3-11	918T
3-10	710C
4-10	1101T
4- 9	1101T
5- 9	710C
5- 8	918T
6- 8	337C

MAX. PURLIN SPACE= 0.0 FT. , MAX. UNBRACED BOT.CH. LEN.= 10.0 FT.
*** PLYWOOD SHEATHING REQUIRED ON TOP CHORD ***

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING. BY OTHERS.

CONC JT	LOAD LBS
1	140

CHORDS	SIZE	LUMBER DESCRIPTION
1- 4	2X 4	NO.2 KD15 SO. PINE
4- 7	2X 4	NO.2 KD15 SO. PINE
7- 1	2X 4	NO.1 D.KD15 SO.PINE
ALL WEBS	2X 4	NO.3 S.P.F.

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DESIGN CRITERIA

TOP CH. LL= 25 PSF
DL= 10 PSF
BOT CH. LL= 20 PSF
DL= 10 PSF
TOTAL LOAD= 65 PSF

SPACING= 24 IN. C/C

INPUT DEFL. L/360

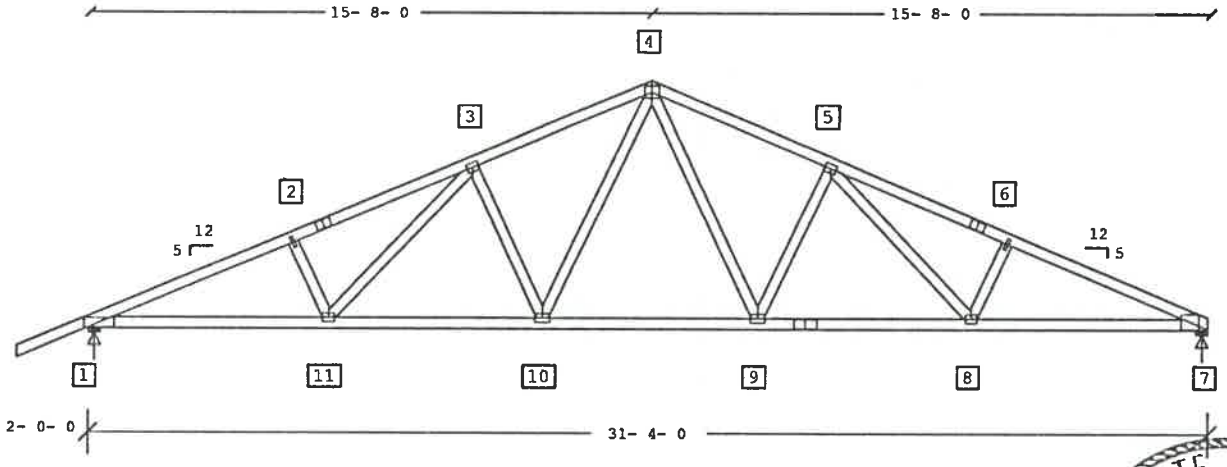
INCREASES(PER CENT)
LUMBER= 15 NAIL= 15
TCH LS= 15 BCH LS= 15

NAIL VALUES(PSI) GROSS

	CHORDS MAX	CHORDS MIN	WEBS MAX	WEBS MIN
GNQ20	228	180	190	140
GNA16	163	150	122	119

LEFT OVERHANG = 2- 0- 0

90-5005-2
Revised



JT	GROSS REACT	BRG IN-SX
1	2177	4- 0
7	2037	4- 0

CAMBER= 0-1/8 HEEL = 4/16

0 1 2

STATE OF OHIO
STANLEY E. KOEHLINGER
E-040411
REGISTERED
JAN 19,1990
PROFESSIONAL ENGINEER

LOC

Handling & Erection

Careless handling of components shall not be permitted. Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until alter all bracing and fastenings are complete. At no time shall loads greater than design loads be applied to the component.

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Bracing Information

All lateral bracing specified is for bracing individual web members and must be installed.

Web braces where required are to be equally spaced along web length.

Chord members are assumed to be laterally restrained by sheathing, purlins or ceiling materials.

Restraint of lateral bracing and additional bracing for the overall structure is to be provided by the designer of the complete structure.

Connector Hardware

Connector plates are manufactured in accordance with TPI.

Plates must be installed on both faces of the lumber with teeth fully embedded.

Plates must be of the size, gauge and capacity shown.

Refer to the AutoTruss joint detail sheet for definitions of joint types and plate locations. Position plates symmetrically about joints unless other dimensions are shown.

Lumber

Lumber must bear a grade mark from an approved inspection bureau and must be of the size and species shown and equal to or better than the grade specified

Design Criteria

The design and the materials specified are in substantial conformity with the latest revision of NDS, AITC and TPI.

IMPORTANT: READ ALL NOTES ON THIS DRAWING!

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11
 JAN 19,1990 F3-19F

 WARNING- VERIFY YOUR INPUT TO AVOID DESIGN AND FABRICATION MISTAKES.
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 REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG

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 ALL RIGHTS RESERVED.  AUTOTRUSS


13 7
 REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG T-3
 JAN 19,1990 F3-19F


 SPAN (OUT TO OUT)     31.333
 NO. OF JOINTS         11
 LOC. OF REACTIONS      1   7
 SHORT TERM INCREASE   TCH 1.15   BCH 1.15   WEBS 1.15   PLATES 1.15

 TOP CHORD LOAD SHARE = 15  BOTTOM CHORD LOAD SHARE = 15

 ***PLYWOOD SHEATHING USED ON TOP CHORD WHERE APPLICABLE.***

 TRUSS GEOMETRY AND LOAD DATA
 JT     HOR.DISP.      VER.DISP.   VERTICAL   VERTICAL
          FT           SLOPE/12    UNIF.LD.   CONC.LD.
                                     PLF        LBS
  1       5.6556         5.0000     -70.00    -140.00
  2       5.0056         5.0000     -70.00       0.00
  3       5.0056         5.0000     -70.00       0.00
  4       5.0056        -5.0000     -70.00       0.00
  5       5.0056        -5.0000     -70.00       0.00
  6       5.6556        -5.0000     -70.00       0.00
  7      -6.6567         0.0000     -60.00       0.00
  8      -6.0067         0.0000     -60.00       0.00
  9      -6.0067         0.0000     -60.00       0.00
 10      -6.0067         0.0000     -60.00       0.00
 11      -6.6567         0.0000     -60.00       0.00

 TOTAL POSITIVE DISPLACEMENT=   31.33

 NO. OF WEBS=   8
  2-11   3-11   3-10   4-10   4- 9   5- 9   5- 8   6- 8

 GROSS REACTIONS(LBS):
 RV- 1=  2176.7   RV- 7=  2036.7
 RH- 1=     0.0


  MEM      FORCE  WID   DEP  FB   FC:FT  Q    P/AF VM/ZF HM/ZF  CSI  LAT.
            LBS   IN.   IN.  PSI   PSI                              BRC

 TOP CHORD MEMBERS
  1- 2    -4171.  1.50  3.50 2013 1323  0.85 0.60  0.31  0.00  0.91   0.0
  2- 3    -4028.  1.50  3.50 2013 1323  0.85 0.58  0.31  0.00  0.89   0.0
  3- 4    -3046.  1.50  3.50 2013 1323  0.85 0.44  0.31  0.00  0.75   0.0
  4- 5    -3046.  1.50  3.50 2013 1323  0.85 0.44  0.31  0.00  0.75   0.0
  5- 6    -4028.  1.50  3.50 2013 1323  0.85 0.58  0.31  0.00  0.89   0.0
  6- 7    -4171.  1.50  3.50 2013 1323  0.85 0.60  0.31  0.00  0.91   0.0
 BOT CHORD MEMBERS
  7- 8     3850.  1.50  3.50 2818 1438  1.00 0.51  0.40  0.00  0.91  10.0
  8- 9     3103.  1.50  3.50 2818 1438  1.00 0.41  0.40  0.00  0.81  10.0
  9-10     2351.  1.50  3.50 2818 1438  1.00 0.31  0.38  0.00  0.69  10.0
 10-11     3103.  1.50  3.50 2818 1438  1.00 0.41  0.40  0.00  0.81  10.0
 11- 1     3850.  1.50  3.50 2818 1438  1.00 0.51  0.40  0.00  0.91  10.0
 WEB MEMBERS
  2-11     -337.  1.50  3.50  633  479  0.00 0.13  0.00  0.00  0.13   2.6
  3-11      918.  1.50  3.50  633  374  0.00 0.47  0.00  0.00  0.47   6.0
  3-10     -710.  1.50  3.50  633  363  0.00 0.37  0.00  0.00  0.37   4.9
  4-10     1101.  1.50  3.50  633  374  0.00 0.56  0.00  0.00  0.56   7.2
  4- 9     1101.  1.50  3.50  633  374  0.00 0.56  0.00  0.00  0.56   7.2
  5- 9     -710.  1.50  3.50  633  363  0.00 0.37  0.00  0.00  0.37   4.9
  5- 8      918.  1.50  3.50  633  374  0.00 0.47  0.00  0.00  0.47   6.0
  6- 8     -337.  1.50  3.50  633  479  0.00 0.13  0.00  0.00  0.13   2.6

 DEFLECTION AT  9 = -0.4069 INCHES
 DEFLECTION BETWEEN  9-10 = -0.5036 INCHES

 EXPLANATIONS:
 P/AF = AXIAL FORCE DIVIDED BY THE CROSS-SECTIONAL AREA AND THE
        ALLOWABLE UNIT STRESS IN TENSION OR COMPRESSION.
 VM/ZF= VERTICAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS
        AND THE ALLOWABLE UNIT STRESS IN BENDING.
 HM/ZF= HORIZONTAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS
        AND THE ALLOWABLE UNIT STRESS IN BENDING.
 CSI  = COMBINED STRESS INTERACTION EQUATION IS THE ADDITION OF
        P/AF + VM/ZF + HM/ZF
 LAT. = MAXIMUM DISTANCE ALLOWABLE(FT) WITHOUT REQUIRING LATERAL
 BRC    SUPPORT.
 STRESSES SHOWN (FB FT FC) ARE ALLOWABLE LUMBER STRESSES MODIFIED
 BY THE SHORT TERM INCREASE AND OTHER APPROPRIATE FACTORS
 WHEREVER APPLICABLE.


 CHORDS    SIZE      LUMBER  DESCRIPTION
  1- 4     2X 4      NO.2 KD15 SO. PINE
  4- 7     2X 4      NO.2 KD15 SO. PINE
  7- 1     2X 4      NO.1 D.KD15 SO.PINE

 ALL WEBS  2X 4      NO.3 S.P.F.
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STATE OF OHIO
STANLEY E. KOEHNINGER
E-040411
REGISTERED
PROFESSIONAL ENGINEER

QUOTE WAUSEON WOODWORKING (545624) TGT T-4 STARK TRUSS COMPANY 1556 PERRY DR. SW CANTON OHIO 44706
OH

7 F3-19F
SCALE= 4/16

JT	TYPE	W	LEN	Y	X (MEMBER)
1	HL01 GNQ20	3.0X	5.0		
2	IN11 GNQ20	1.0X	4.0		
3	PK12 GNQ20	4.0X	4.0		
4	IN11 GNQ20	1.0X	4.0		
5	HL01 GNQ20	3.0X	5.0		
6	IN02 GNQ20	3.0X	4.0		
7	IN02 GNQ20	3.0X	4.0		

SPLICES
6- 7 SP10 GNQ20 2.5X 4.0

DESIGN SPECS. FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TPI,1985

MEMBR FR-TO	CHORDS FORCE (LBS)	CHORDS HOR DISP FT-IN-SX	CHORDS SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC. LENGTH	WEBS MEMBR FR-TO	WEBS FORCE (LBS)
1- 2	1628C	4-10-13	7.000	70.0	0.0	2- 7	272C
2- 3	1483C	4- 5- 3	7.000	70.0	0.0	3- 7	680T
3- 4	1483C	4- 5- 3	-7.000	70.0	0.0	3- 6	680T
4- 5	1628C	4-10-13	-7.000	70.0	0.0	4- 6	272C
5- 6	1406T	6- 4- 8	0.000	60.0	10.0		
6- 7	956T	5-10-15	0.000	60.0	10.0		
7- 1	1406T	6- 4- 8	0.000	60.0	10.0		

MAX. PURLIN SPACE= 0.0 FT. , MAX. UNBRACED BOT.CH. LEN.= 10.0 FT.
*** PLYWOOD SHEATHING REQUIRED ON TOP CHORD ***

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING. BY OTHERS.

CONC LOAD JT	LBS
1	140
5	140

CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 4	NO.2 KD15 SO. PINE
3- 5	2X 4	NO.2 KD15 SO. PINE
5- 1	2X 4	NO.2 KD15 SO. PINE
ALL WEBS	2X 4	NO.3 S.P.F.

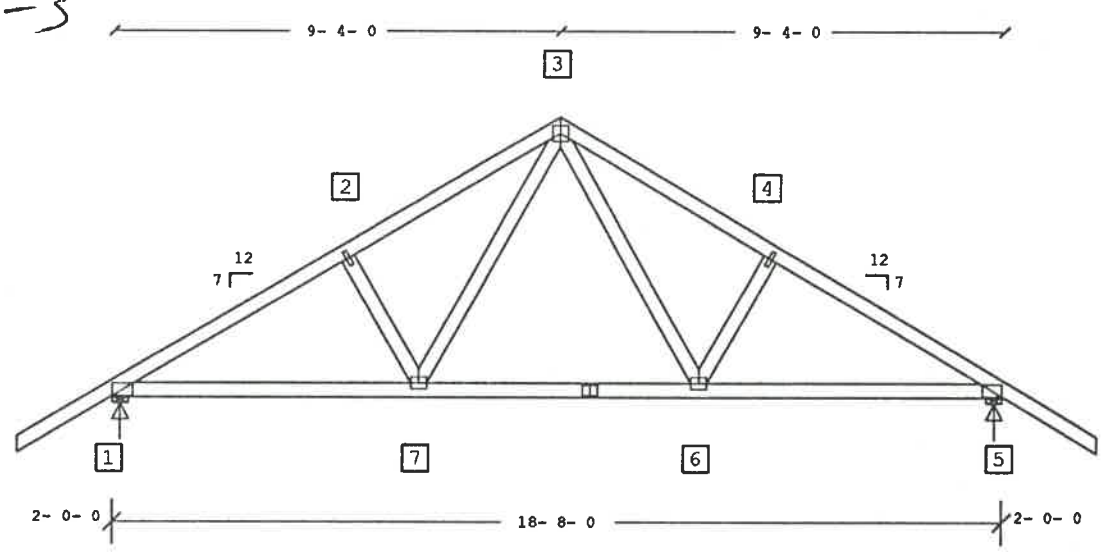
THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

DESIGN CRITERIA	
TOP CH. LL=	25 PSF
DL=	10 PSF
BOT CH. LL=	20 PSF
DL=	10 PSF
TOTAL LOAD=	65 PSF
SPACING=	24 IN. C/C
INPUT DEFL.	L/360
INCREASES(PER CENT)	
LUMBER= 15 NAIL=	15
TCH LS= 15 BCH LS=	15

NAIL VALUES(PSI) GROSS	CHORDS MAX	CHORDS MIN	WEBS MAX	WEBS MIN
GNQ20	228	180	190	140

LEFT OVERHANG = 2- 0- 0
RIGHT OVERHANG= 2- 0- 0

90-5005-3
Revised



4AA
0.51
0.78
0.35
W

JT	GROSS REACT	BRG IN-SX
1	1353	4- 0
5	1353	4- 0

CAMBER= 0-0/8 HEEL = 4/16

0 1 2

STATE OF OHIO
STANLEY
E
KOEHLINGER
E-040411
REGISTERED
JAN 19,1990
PROFESSIONAL ENGINEER

Handling & Erection

Careless handling of components shall not be permitted. Temporary and permanent bracing for holding component plumb and for resisting lateral forces shall be designed and installed by others. No loads are to be applied to the component until all bracing and fastenings are complete. At no time shall loads greater than design loads be applied to the component.

Care must be exercised to install component at proper bearing points, right side up, and properly braced. Read all notes hereon and obtain any design assistance indicated.

Gang-Nail Systems, Inc. exercises no control and accepts no responsibility for the fabrication, handling, shipment and installation of components.

Miscellaneous Information

This data sheet and the information hereon is the property of Gang-Nail Systems, Inc. and is not to be copied in whole of in part or used for unauthorized exploitation of the items disclosed herein or in any other way disclosed or used for furnishing information to others

The use of this component shall be specified by the designer of the complete structure.

Obtain all necessary code compliances, approvals and instructions from the designer of the complete structure before using this component.

If the design criteria listed above does not meet local building code requirements, DO NOT USE THIS DESIGN.

When this drawing is signed and sealed, Gang-Nail Systems, Inc. is approving only the structural design of the unit shown on the basis of data provided by the customer and shown on this drawing.

Bracing Information

All lateral bracing specified is for bracing individual web members and must be installed.

Web braces where required are to be equally spaced along web length.

Chord members are assumed to be laterally restrained by sheathing, purlins or ceiling materials.

Restraint of lateral bracing and additional bracing for the overall structure is to be provided by the designer of the complete structure.

Connector Hardware

Connector plates are manufactured in accordance with TPI.

Plates must be installed on both faces of the lumber with teeth fully embedded.

Plates must be of the size, gauge and capacity shown.

Refer to the AutoTruss joint detail sheet for definitions of joint types and plate locations. Position plates symetrically about joints unless other dimensions are shown.

Lumber

Lumber must bear a grade mark from an approved inspection bureau and must be of the size and species shown and equal to or better than the grade specified

Design Criteria

The design and the materials specified are in substantial conformity with the latest revision of NDS, AITC and TPI.

LOC1

IMPORTANT: READ ALL NOTES ON THIS DRAWING!

11
JAN 19,1990 F3-19F

WARNING- VERIFY YOUR INPUT TO AVOID DESIGN AND FABRICATION MISTAKES.
YOU ARE SOLELY RESPONSIBLE FOR ERRORS RESULTING FROM WRONG INPUT

REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG

13 7
REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG T-4
JAN 19,1990 F3-19F

SPAN (OUT TO OUT) 18.667
NO. OF JOINTS 7
LOC. OF REACTIONS 1 5
SHORT TERM INCREASE TCH 1.15 BCH 1.15 WEBS 1.15 PLATES 1.15

TOP CHORD LOAD SHARE = 15 BOTTOM CHORD LOAD SHARE = 15

PLYWOOD SHEATHING USED ON TOP CHORD WHERE APPLICABLE.

TRUSS GEOMETRY AND LOAD DATA

JT	HOR.DISP. FT	VER.DISP. SLOPE/12	VERTICAL UNIF.LD. PLF	VERTICAL CONC.LD. LBS
1	4.8988	7.0000	-70.00	-140.00
2	4.4345	7.0000	-70.00	0.00
3	4.4345	-7.0000	-70.00	0.00
4	4.8988	-7.0000	-70.00	0.00
5	-6.3770	0.0000	-60.00	-140.00
6	-5.9127	0.0000	-60.00	0.00
7	-6.3770	0.0000	-60.00	0.00

TOTAL POSITIVE DISPLACEMENT= 18.67

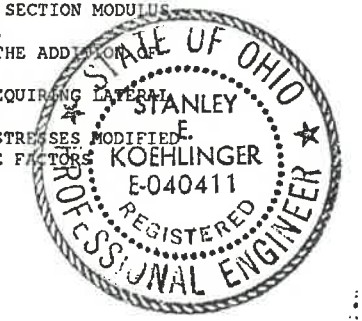
NO. OF WEBS= 4
2- 7 3- 7 3- 6 4- 6

GROSS REACTIONS(LBS):
RV- 1= 1353.3 RV- 5= 1353.3
RH- 1= 0.0

MEM	FORCE LBS	WID IN.	DEP IN.	FB PSI	FC:FT PSI	Q	P/AF	VM/ZF	HM/ZF	CSI	LAT. BRC
TOP CHORD MEMBERS											
1- 2	-1628.	1.50	3.50	2013	1323	0.90	0.23	0.27	0.00	0.51	0.0
2- 3	-1483.	1.50	3.50	2013	1323	0.90	0.21	0.27	0.00	0.48	0.0
3- 4	-1483.	1.50	3.50	2013	1323	0.90	0.21	0.27	0.00	0.48	0.0
4- 5	-1628.	1.50	3.50	2013	1323	0.90	0.23	0.27	0.00	0.51	0.0
BOT CHORD MEMBERS											
5- 6	1406.	1.50	3.50	2013	1035	1.00	0.26	0.52	0.00	0.78	10.0
6- 7	956.	1.50	3.50	2013	1035	1.00	0.18	0.52	0.00	0.70	10.0
7- 1	1406.	1.50	3.50	2013	1035	1.00	0.26	0.52	0.00	0.78	10.0
WEB MEMBERS											
2- 7	-272.	1.50	3.50	633	465	0.00	0.11	0.00	0.00	0.11	3.2
3- 7	680.	1.50	3.50	633	374	0.00	0.35	0.00	0.00	0.35	6.2
3- 6	680.	1.50	3.50	633	374	0.00	0.35	0.00	0.00	0.35	6.2
4- 6	-272.	1.50	3.50	633	465	0.00	0.11	0.00	0.00	0.11	3.2

DEFLECTION AT 6 = -0.0867 INCHES
DEFLECTION BETWEEN 6- 7 = -0.1944 INCHES

EXPLANATIONS:
P/AF = AXIAL FORCE DIVIDED BY THE CROSS-SECTIONAL AREA AND THE ALLOWABLE UNIT STRESS IN TENSION OR COMPRESSION.
VM/ZF= VERTICAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
HM/ZF= HORIZONTAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
CSI = COMBINED STRESS INTERACTION EQUATION IS THE ADDITION OF P/AF + VM/ZF + HM/ZF
LAT. BRC = MAXIMUM DISTANCE ALLOWABLE(FT) WITHOUT REQUIRING LATERAL SUPPORT.
STRESSES SHOWN (FB FT FC) ARE ALLOWABLE LUMBER STRESSES MODIFIED BY THE SHORT TERM INCREASE AND OTHER APPROPRIATE FACTORS WHEREVER APPLICABLE.



CHORDS	SIZE	LUMBER DESCRIPTION
1- 3	2X 4	NO.2 KD15 SO. PINE
3- 5	2X 4	NO.2 KD15 SO. PINE
5- 1	2X 4	NO.2 KD15 SO. PINE
ALL WEBS	2X 4	NO.3 S.P.F.

QUOTE WAUSEON WOODWORKING (545624) TGT T-5 STARK TRUSS COMPANY 1556 PERRY DR. SW CANTON OHIO 44706
OH

7 F3-19F
SCALE= 3/16

JT	TYPE	W	LEN	Y	X (MEMBER)
1	HL01 GNQ20	3.0X	8.0		
2	IN11 GNQ20	1.0X	4.0		
3	IN02 GNQ20	3.0X	5.0		
4	PK12 GNQ20	4.0X	5.0		
5	IN11 GNQ20	1.0X	4.0		
6	HL01 GNQ20	3.0X	6.0		
7	IN02 GNQ20	3.0X	4.0		
8	IN02 GNQ20	3.0X	5.0		
9	IN02 GNQ20	3.0X	4.0		

SPLICES
2- 3 SP10 GNQ20 3.0X 5.0
7- 8 SP10 GNQ20 3.0X 5.0

DESIGN SPECS. FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES, TPI,1985

MEMBR FR-TO	FORCE (LBS)	CHORDS HOR DISP FT-IN-SX	SLOPE/12 DEPTH IN	LOAD (PLF)	MAXIMUM UNBRAC. LENGTH	WEBS MEMBR FR-TO	WEBS FORCE (LBS)
1- 2	4113C	6- 3- 5	3.827	70.0	0.0	2- 9	387C
2- 3	3919C	5- 5- 2	3.827	70.0	0.0	3- 9	1145T
3- 4	2575C	5- 5- 2	3.827	70.0	0.0	3- 8	819C
4- 5	2481C	4- 5- 7	-7.000	70.0	0.0	4- 8	1258T
5- 6	2628C	4-11- 0	-7.000	70.0	0.0	4- 7	700T
6- 7	2270T	6- 4-13	0.000	60.0	10.0	5- 7	276C
7- 8	1809T	6- 2-11	0.000	60.0	10.0		
8- 9	2865T	6- 6- 3	0.000	60.0	10.0		
9- 1	3918T	7- 4- 6	0.000	60.0	10.0		

MAX. PURLIN SPACE= 0.0 FT. , MAX. UNBRACED BOT.CH. LEN.= 10.0 FT.
*** PLYWOOD SHEATHING REQUIRED ON TOP CHORD ***

NOTE: LATERAL BRACES AND PURLINS INDICATED FOR TRUSS MEMBERS ARE REQUIRED TO REDUCE BUCKLING LENGTH OF MEMBER, AND SHOULD BE NAILED TO TRUSS MEMBERS WITH MINIMUM OF 2-10D COMMON WIRE NAILS. PROVISIONS MUST BE MADE AT ENDS OR SPECIFIED INTERVALS TO RESTRAIN OR ANCHOR LATERAL BRACING. BY OTHERS.

CONC LOAD JT	LBS
1	140
6	140

CHORDS	SIZE	LUMBER DESCRIPTION
1- 4	2X 4	NO.1 KD15 SO. PINE
4- 6	2X 4	NO.1 KD15 SO. PINE
6- 1	2X 4	NO.1 D.KD15 SO.PINE
ALL WEBS	2X 4	NO.3 S.P.F.

THIS TRUSS IS DESIGNED TO SUPPORT VERTICAL LOADS AS DETERMINED BY OTHERS AND SHOWN ON INPUT LISTING. VERIFICATION OF LOADING, DEFLECTION LIMITATIONS, FRAMING METHODS, WIND BRACING OR OTHER LATERAL BRACING THAT IS ALWAYS REQUIRED, IS THE RESPONSIBILITY OF THE PROJECT ARCHITECT OR ENGINEER.

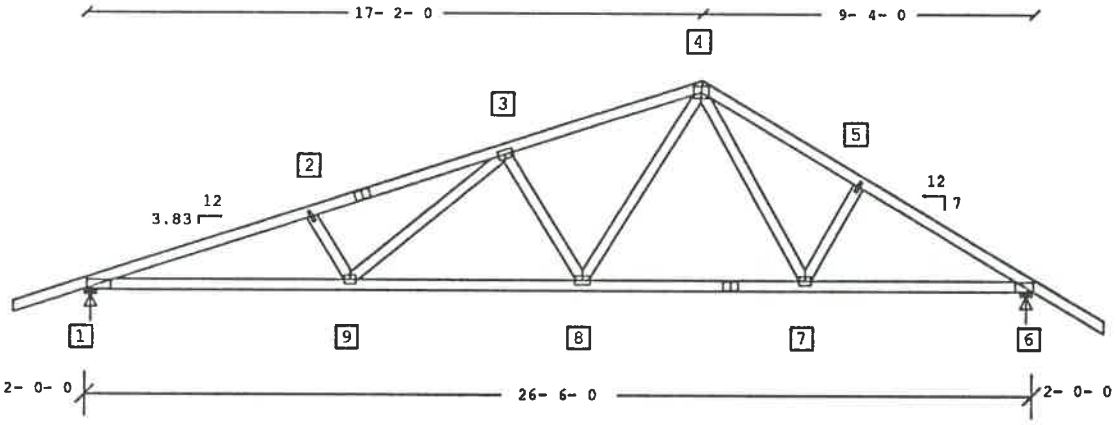
DESIGN CRITERIA	
TOP CH. LL=	25 PSF
DL=	10 PSF
BOT CH. LL=	20 PSF
DL=	10 PSF
TOTAL LOAD=	65 PSF
SPACING=	24 IN. C/C
INPUT DEFL.	L/360
INCREASES(PER CENT)	
LUMBER= 15 NAIL=	15
TCH LS= 15 BCH LS=	15

NAIL VALUES(PSI) GROSS

	CHORDS MAX	CHORDS MIN	WEBS MAX	WEBS MIN
GNQ20	228	180	190	140

LEFT OVERHANG = 2- 0- 0
RIGHT OVERHANG= 2- 0- 0

90-5005-4
Rev Bal



JT	GROSS REACT	BRG IN-SX
1	1863	4- 0
6	1863	4- 0

CAMBER= 0-1/8 HEEL = 4/16

32AA
0.64
1.00
0.64
W

1 2

STATE OF OHIO
STANLEY E. KOEHLINGER
E-040411
JAN 22,1990
REGISTERED
PROFESSIONAL ENGINEER

Handling & Erection

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Connector plates are manufactured in accordance with TPI.

Plates must be installed on both faces of the lumber with teeth fully embedded.

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Refer to the AutoTruss joint detail sheet for definitions of joint types and plate locations. Position plates symetrically about joints unless other dimensions are shown.

Lumber

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Design Criteria

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11
JAN 22,1990 F3-19F

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REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG

13 7
REQUEST NO. CALCONLY QUOTE WAUSEON WOODWORKING (545624) TG T-5
JAN 22,1990 F3-19F

SPAN (OUT TO OUT) 26.500
NO. OF JOINTS 9
LOC. OF REACTIONS 1 6
SHORT TERM INCREASE TCH 1.15 BCH 1.15 WEBS 1.15 PLATES 1.15

TOP CHORD LOAD SHARE = 15 BOTTOM CHORD LOAD SHARE = 15

PLYWOOD SHEATHING USED ON TOP CHORD WHERE APPLICABLE.

TRUSS GEOMETRY AND LOAD DATA

JT	HOR.DISP. FT	VER.DISP. SLOPE/12	VERTICAL UNIF.LD. PLF	VERTICAL CONC.LD. LBS
1	6.2768	3.8275	-70.00	-140.00
2	5.4277	3.8275	-70.00	0.00
3	5.4277	3.8275	-70.00	0.00
4	4.4517	-7.0000	-70.00	0.00
5	4.9160	-7.0000	-70.00	0.00
6	-6.3999	0.0000	-60.00	-140.00
7	-6.2244	0.0000	-60.00	0.00
8	-6.5133	0.0000	-60.00	0.00
9	-7.3624	0.0000	-60.00	0.00

TOTAL POSITIVE DISPLACEMENT= 26.50

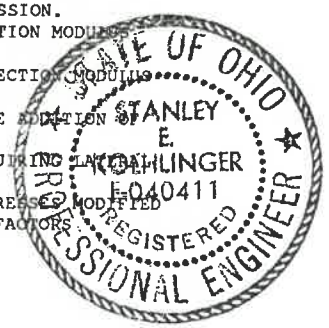
NO. OF WEBS= 6
2- 9 3- 9 3- 8 4- 8 4- 7 5- 7

GROSS REACTIONS(LBS):
RV- 1= 1862.5 RV- 6= 1862.5
RH- 1= 0.0

MEM	FORCE LBS	WID IN.	DEP IN.	FB PSI	FC:FT PSI	Q	P/AF	VM/ZF	HM/ZF	CSI	LAT. BRC
TOP CHORD MEMBERS											
1- 2	-4113.	1.50	3.50	2091	1542	0.80	0.51	0.33	0.00	0.84	0.0
2- 3	-3919.	1.50	3.50	2106	1542	0.80	0.48	0.33	0.00	0.81	0.0
3- 4	-2575.	1.50	3.50	2231	1556	0.80	0.32	0.29	0.00	0.60	0.0
4- 5	-2481.	1.50	3.50	2415	1668	0.90	0.28	0.23	0.00	0.51	0.0
5- 6	-2628.	1.50	3.50	2415	1668	0.90	0.30	0.23	0.00	0.53	0.0
BOT CHORD MEMBERS											
6- 7	2270.	1.50	3.50	2818	1438	1.00	0.30	0.39	0.00	0.69	10.0
7- 8	1809.	1.50	3.50	2818	1438	1.00	0.24	0.42	0.00	0.66	10.0
8- 9	2865.	1.50	3.50	2818	1438	1.00	0.38	0.48	0.00	0.86	10.0
9- 1	3918.	1.50	3.50	2818	1438	1.00	0.52	0.48	0.00	1.00	10.0
WEB MEMBERS											
2- 9	-387.	1.50	3.50	633	483	0.00	0.15	0.00	0.00	0.15	2.3
3- 9	1145.	1.50	3.50	633	374	0.00	0.58	0.00	0.00	0.58	5.7
3- 8	-819.	1.50	3.50	633	411	0.00	0.38	0.00	0.00	0.38	4.3
4- 8	1258.	1.50	3.50	633	374	0.00	0.64	0.00	0.00	0.64	6.4
4- 7	700.	1.50	3.50	633	374	0.00	0.36	0.00	0.00	0.36	6.2
5- 7	-276.	1.50	3.50	633	464	0.00	0.11	0.00	0.00	0.11	3.2

DEFLECTION AT 9 = -0.3435 INCHES
DEFLECTION BETWEEN 8- 9 = -0.4567 INCHES

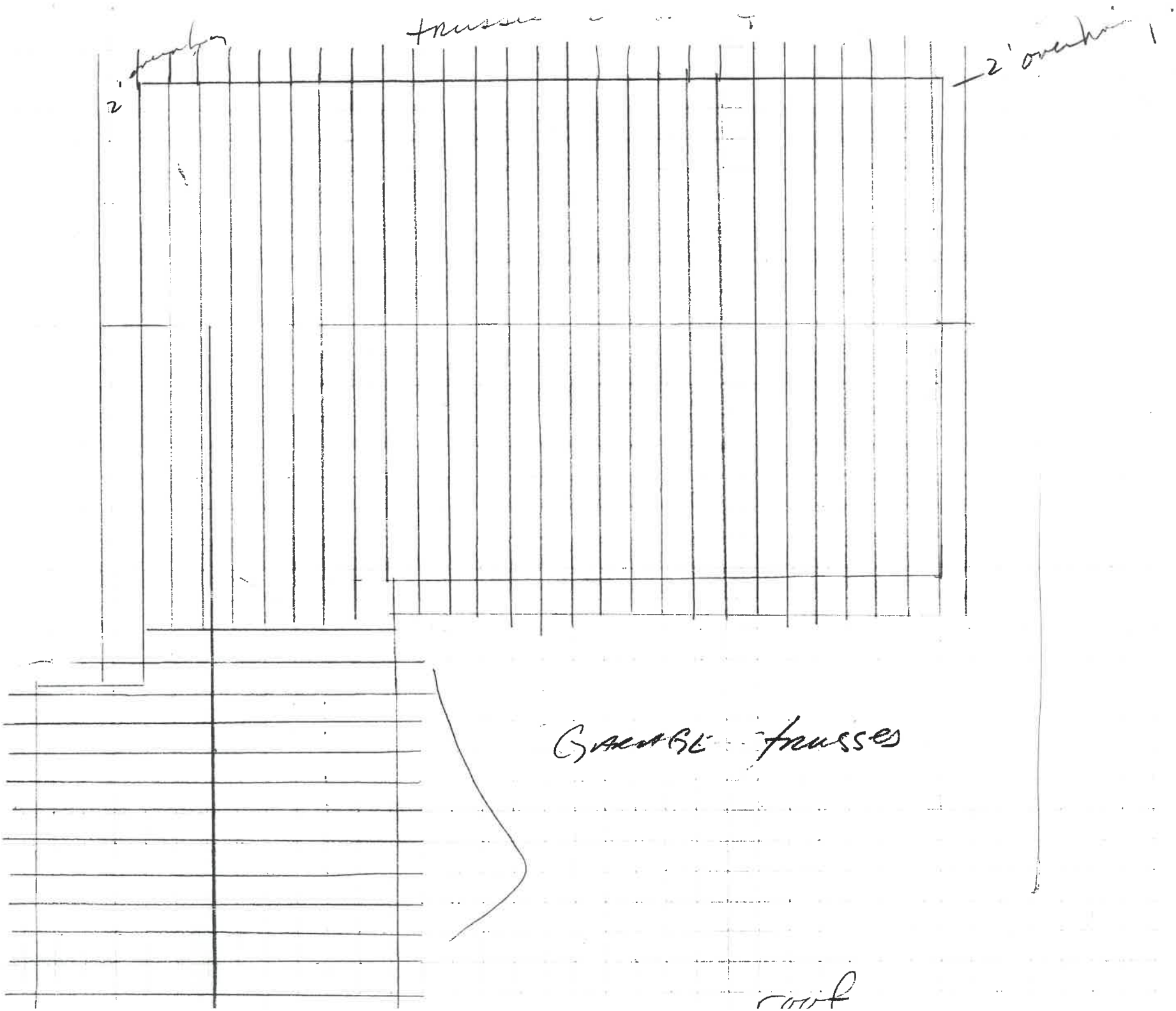
EXPLANATIONS:
P/AF = AXIAL FORCE DIVIDED BY THE CROSS-SECTIONAL AREA AND THE ALLOWABLE UNIT STRESS IN TENSION OR COMPRESSION.
VM/ZF= VERTICAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
HM/ZF= HORIZONTAL BENDING MOMENT DIVIDED BY THE SECTION MODULUS AND THE ALLOWABLE UNIT STRESS IN BENDING.
CSI = COMBINED STRESS INTERACTION EQUATION IS THE ADDITION OF P/AF + VM/ZF + HM/ZF
LAT. BRC = MAXIMUM DISTANCE ALLOWABLE(FT) WITHOUT REQUIRING LATERAL SUPPORT.
STRESSES SHOWN (FB FT FC) ARE ALLOWABLE LUMBER STRESSES MODIFIED BY THE SHORT TERM INCREASE AND OTHER APPROPRIATE FACTORS WHEREVER APPLICABLE.



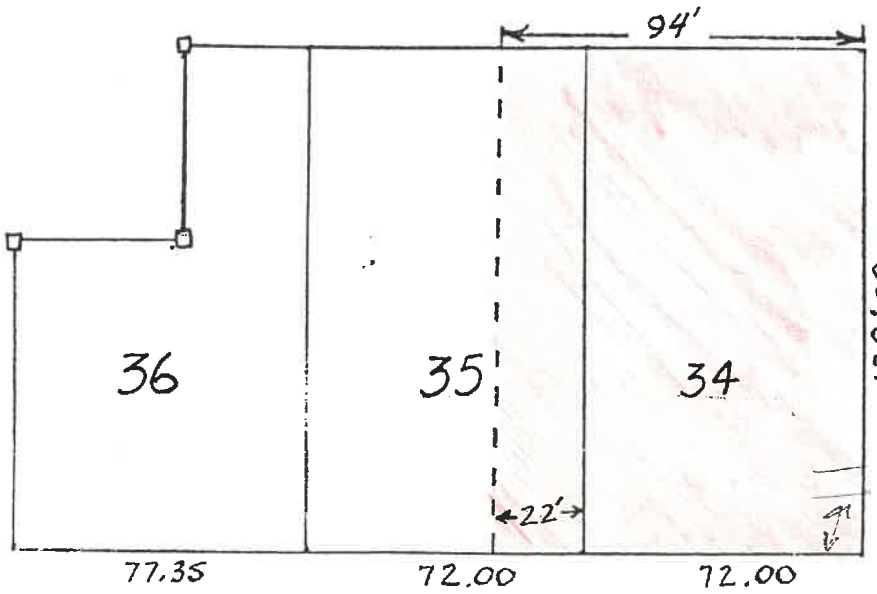
CHORDS	SIZE	LUMBER DESCRIPTION
1- 4	2X 4	NO.1 KD15 SO. PINE
4- 6	2X 4	NO.1 KD15 SO. PINE
6- 1	2X 4	NO.1 D.KD15 SO.PINE
ALL WEBS	2X 4	NO.3 S.P.F.

Property line
35' easement
LOT line
W
S
21'4"
House
19'
Porch
13'4
Garage
Driveway
Lot line
Property line
FRONT
SETBACKS
30'
Property
SIDEWALK 4'
CURB
HARMONY DRIVE

PLOT PLAN

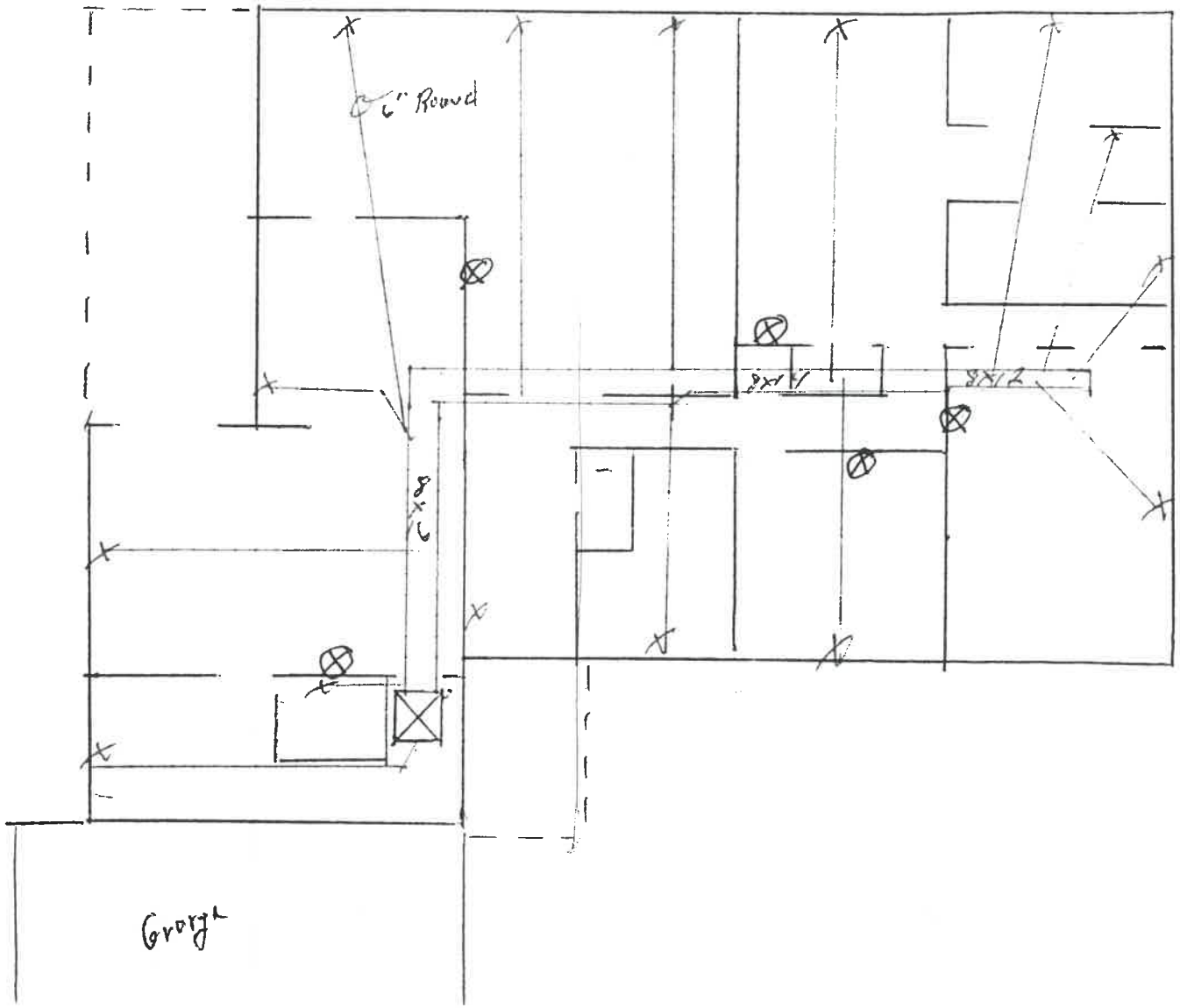

2'
2' overhang
GARAGE trusses

BRICKYARD SUBDIVISION



⊗ Return Air

× Supply Air



Return and Supply Plenum To Be of 26 Ga Metal

Supply and Return Ductings To Be of 28 GA Metal

Round Ductings To Be Wire guard Plastic with 1" thick colored Fiberglass flexduct

Supply Metal Ducting To Be Insulated with 1" Fiberglass with Vapour Facing Ductwrap