

PERMIT

CITY OF NAPOLEON - BUILDING DEPARTMENT

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

Permit No. 02122 Issued 10/11/90
date

Job Location 607 Sheffield
address

Lot 57 & 58 Adam Stouts
sub-div or legal discript

Issued By Brent N. Damman
building official

Owner Otto E. Duenweg
name tel.

Address 607 Sheffield

Agent Ron's Rental 335-9061
builder-eng.-etc. tel.

Address 1424 N. Shoop Ave., Wauseon,
Ohio 43567

Description of Use Residence

Residential 1
no. dwelling units

Commercial _____ Industrial _____

New _____ Add'n. Alter _____ Remodel _____

Mixed Occupancy _____

Change of Occupancy _____

Estimated Cost \$ 2300.00

FEE	BASE	PLUS	TOTAL
<input checked="" type="checkbox"/> BUILDING	9.00	18.00	27.00
<input type="checkbox"/> ELECTRICAL			
<input type="checkbox"/> PLUMBING			
<input type="checkbox"/> MECHANICAL			
<input type="checkbox"/> DEMOLITION			
<input type="checkbox"/> ZONING			
<input type="checkbox"/> SIGN			
<input type="checkbox"/> WATER TAP			
<input type="checkbox"/> SEW. INSP.			
<input type="checkbox"/> SEWER TAP			
<input type="checkbox"/> TEMP. WATER			
<input type="checkbox"/> TEMP. ELECT.			
ADDITIONAL PLAN REVIEW	Struct. _____ hrs	Elect. _____ hrs	
TOTAL FEES.....			27.00
LESS MIN. FEES PAID <u>10/11/90</u> date			27.00
BALANCE DUE.....			-0-

ZONING INFORMATION

district	lot dimensions	area	front yd	side yds	rear yd
A	132 x 132	17,424	30	7	15
max hgt	no pkg spaces	no ldg spaces	max cover	petition or appeal req'd	date appr
35'	2 per		35%		

WORK INFORMATION:

Size: Length _____ Width _____ Stories _____ Ground Floor Area _____

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

Electrical: _____
brief description

Plumbing: _____
brief description

Mechanical: _____
brief description

Sign: _____ Dimensions _____ Sign Area _____
type

Additional Information: add Carport attached to house.

PAID

Date 10-11-90 Applicant Signature Chris Waiters
owner-agent **CITY OF NAPOLEON**

OCT 11 1990

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			<input type="checkbox"/> Radiant Htr(s) <input type="checkbox"/> Unit Htr(s)			Refrigeration Equipment		
				Duct Insulation			Pool Heater			Furnace(s)		
				Combustion Products Vents			Ventilation <input type="checkbox"/> Supply <input type="checkbox"/> Exhst.			FINAL APPROVAL		
ELECTRICAL	Conduits & or Cable			Conduits/ Cable			<input type="checkbox"/> Range <input type="checkbox"/> Dryer			Temp Service Temp Lighting		
	Grounding & or Bonding			Rough Wiring			<input type="checkbox"/> Generator(s) <input type="checkbox"/> Motors			Fixtures Lampholders		
	Floor Ducts Raceways			Service Panel Switchboard			<input type="checkbox"/> Water Htr <input type="checkbox"/> Welder			Signs		
	Service Conduit			Busways Ducts			<input type="checkbox"/> Heaters <input type="checkbox"/> Heat Cable			Electric Mtr. Clearance		
	Temporary Power Pole			Subpanels			<input type="checkbox"/> Duct Htr(s) <input type="checkbox"/> Furnace(s)			FINAL APPROVAL		
BUILDING	Location, Set-backs, Esmt(s)			Exterior Wall Construction			Roof Covering Roof Drainage			Smoke Detector		
	Excavation						Exterior Lath			Demolition (sewer cap)		
	Footings & Reinforcing						<input type="checkbox"/> Interior Lath <input type="checkbox"/> Wallboard					
	Floor Slab			Interior Wall Construction			Fire Wall(s)			Building or Structure		
	Foundation Walls			Columns & Supports			Fireplace Chimney					
	Sub-soil Drain			Crawl Space <input type="checkbox"/> Vent <input type="checkbox"/> Access			Attic <input type="checkbox"/> Vent <input type="checkbox"/> Access					
	Piles			Floor System(s)						FINAL APPROVAL BLDG. DEPT.	1/13	BD
				Roof System			Special Insp Reports Rec'd			Certificate of Occupancy Issued		
ADDITIONAL	INSPECTIONS, CORRECTIONS, ETC.						INSPECTIONS, CORRECTIONS, ETC.					

PAID
 OCT 1 1990
 CITY OF WASHINGTON

APPLICATION
for
RESIDENTIAL BUILDING, ELECTRICAL, PLUMBING, MECHANICAL, PERMITS and DEMOLITION PERMIT
from the
CITY OF NAPOLEON - BUILDING DEPARTMENT
255 West Riverview Ave. Napoleon, Ohio 43345 Ph. 419-592-4010

Entry No. _____
 Permit No. 02122 Issued 10-11-90
 Job Location 607 Sheffield
 Lot 57+58 ADAM Stouts
 Issued By Brent N. Damman
sub-div. or legal disc.
building official
 Owner Otto E. Duchweg Pn _____
 Address 607 Sheffield
 Agent Ron's Rental Pn 335-9061
 Address 1424 N. Shoop Ave. Wauscon, OH 43567
 Description of Use Residence
 Residential 1
no. dwelling units
 Commercial _____ Industrial _____
 New _____ Add'n. X Alter _____ Remodel _____
 Mixed Occupancy _____
 Change of Occupancy _____
 Estimated Cost \$ 2300.00

Ck. Permits Req.	Base	Fees Plus	Total
<input checked="" type="checkbox"/> Building	9.00	18.00	27.00
<input type="checkbox"/> Electrical			
<input type="checkbox"/> Plumbing			
<input type="checkbox"/> Mechanical			
<input type="checkbox"/> Demolition			
<input type="checkbox"/> Zoning			
<input type="checkbox"/> Sign			
<input type="checkbox"/> Water tap			
<input type="checkbox"/> Sewer Tap			
<input type="checkbox"/> Temp. Water			
<input type="checkbox"/> Temp. Elec.			
Additional plan review	struc. _____ hrs	Elect. _____ hrs	
Total Fees.....			27.00
Less Min. Fees Pd. <u>10-11-90</u>			27.00
			date
Balance Due.....			0

-ZONING INFORMATION

district	lot dimensions	area	front yd	side yds.	rear yd
<u>A</u>	<u>132 x 132</u>	<u>17424</u>	<u>30</u>	<u>7</u>	<u>15</u>
max hgt.	no pkg spaces	no ldg spaces	max cover	petition or appeal req'd.	date appr
<u>35'</u>	<u>2 per</u>		<u>35%</u>		

WORK INFORMATION:
BUILDING: Garage Fl. Area _____ Basement Fl. Area _____ Second Floor Area _____
 Size: Length _____ Width _____ Stories _____ Ground Floor Area _____
 Height _____ Building Volume (for demo. permit) _____ cu. ft.
 Description of Work: add car port attached to house

PAID

OCT 11 1990

ELECTRICAL: Electrical Contractor _____ Pn. _____

Address _____ Estimated Cost \$ _____

Type of work: New _____ Service change _____ Rewiring _____ Additional Wiring _____ Temp. Elec. Req. _____
yes no

Size of service _____ Underground _____ Overhead _____ No. of new circuits _____

Description of work: _____

PLUMBING: Plumbing Contractor _____ Pn. _____

Address _____ Estimated Cost \$ _____

Water Tap Req. _____ Size _____ Type of Pipe _____ Water Dist. Pipe _____
yes no type

San. Sewer Tap Req. _____ Size _____ Type of Pipe _____ Dr. Waste Vt. Pipe _____
yes no type

St. Sewer Tap Req. _____ Size _____ Type of Pipe _____ Street to be Opened _____
yes no yes no

Main Building Drain Size _____ Main Vent Pipe Size _____ List Number of Plumbing Fixtures Below

Water Closets _____ Bathtubs _____ Showers _____ Lavatories _____ Kitchen Sinks _____ Disposal _____ Dishwasher _____ Clothes Washer _____

Floor Drains _____ Other Fixtures: Type _____ No. _____

Description of Work: _____

MECHANICAL: Mechanical Contractor _____ Pn. _____

Address _____ Estimated Cost _____

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

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

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

No. of Hot Air Runs _____ No. of Hot Water Radiators _____ Total Heat Loss _____ Rated Capacity of Furnace/Boiler _____

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

Description of Work _____

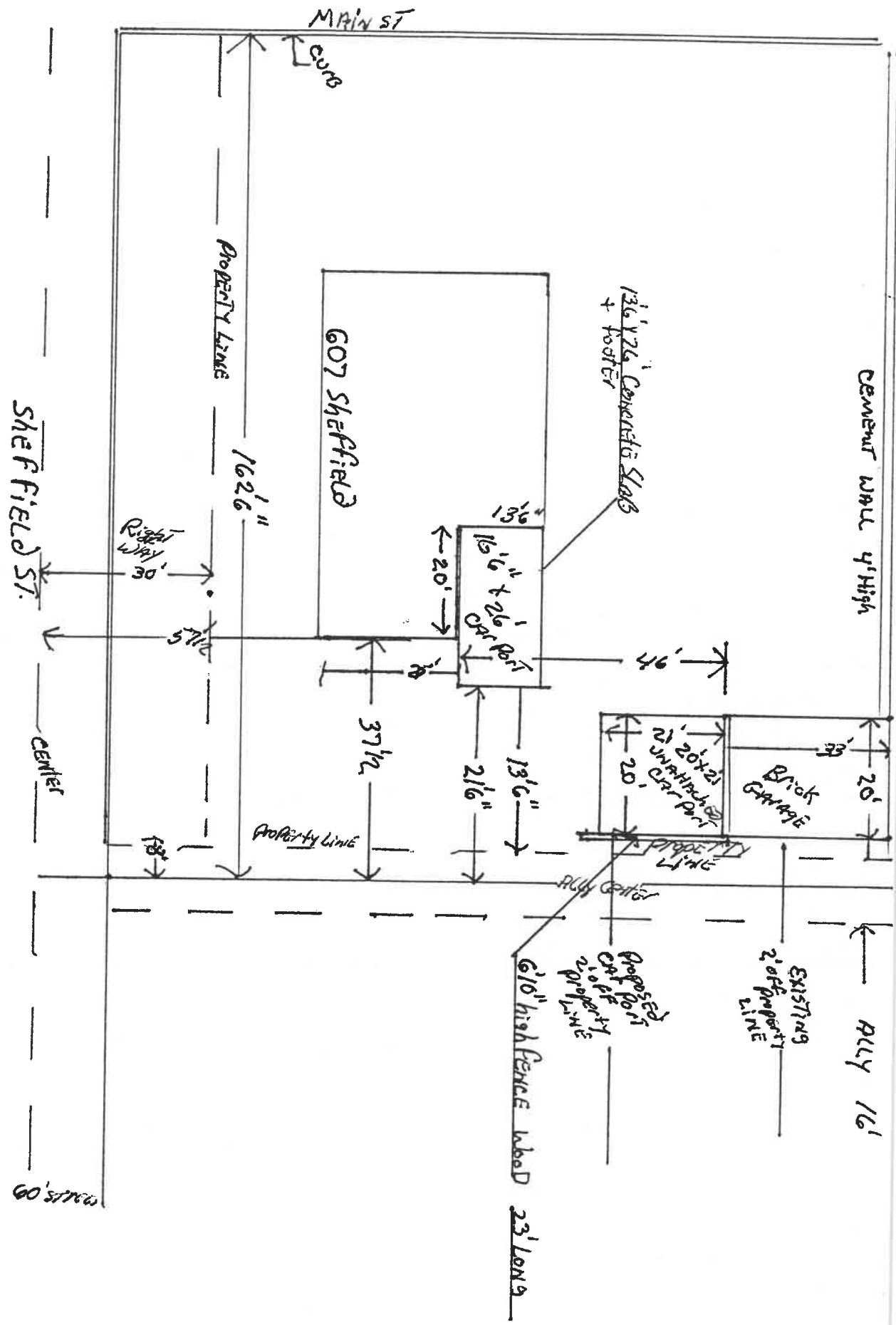
DRAWINGS REQUIRED: All Applications must be Accompanied by Two Complete sets of Drawings Including SITE PLAN, FOUNDATION PLAN, FLOOR PLANS, STRUCTURAL FRAMING PLANS, EXTERIOR ELEVATIONS, SECTIONS and DETAILS, STAIR DETAILS, ELECTRICAL LAYOUT, PLUMBING ISOMETRIC, HEATING LAYOUT ETC. All plans shall be 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.

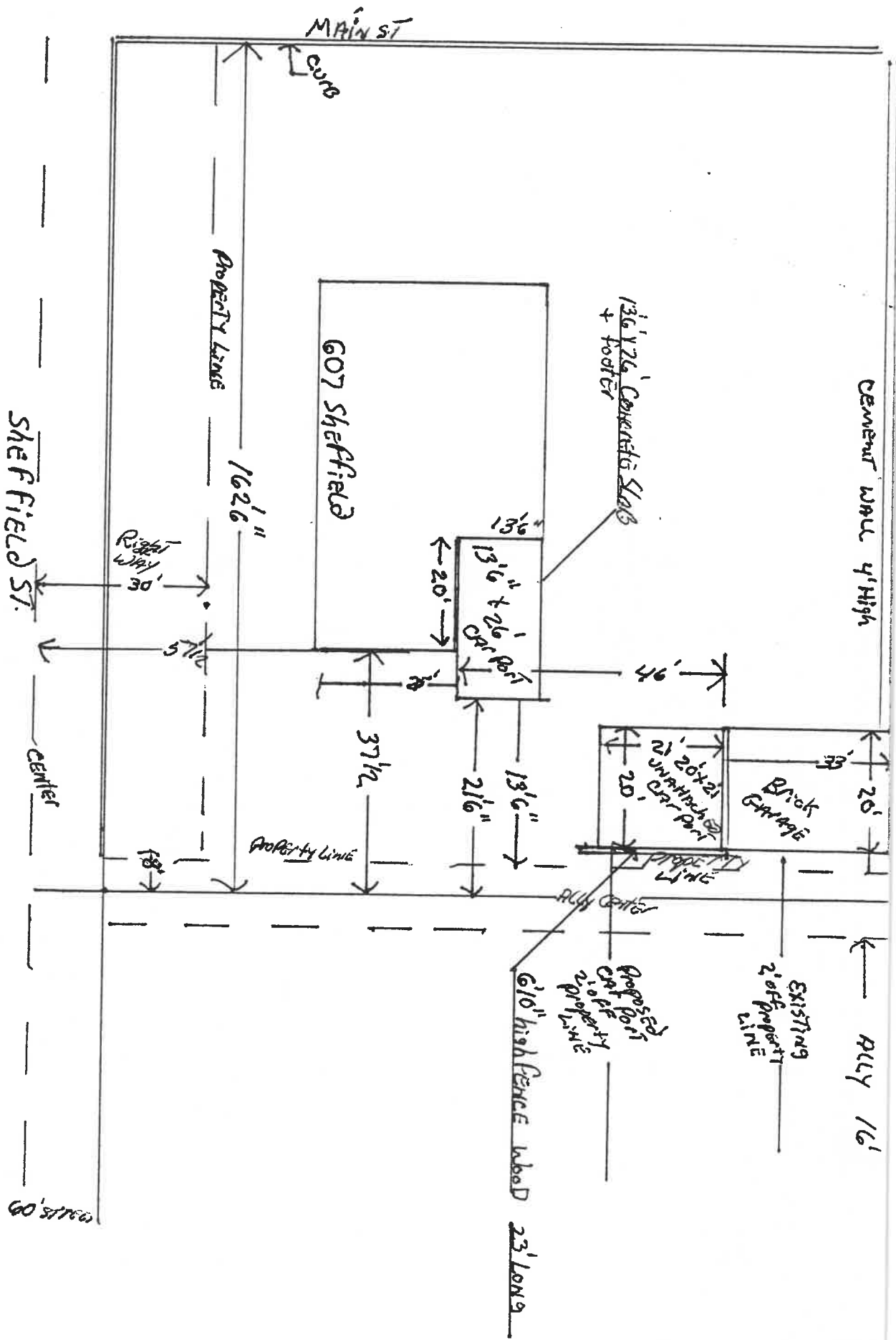
Date _____ Signature of Applicant _____

Application not valid without signature

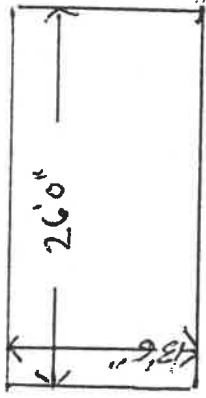
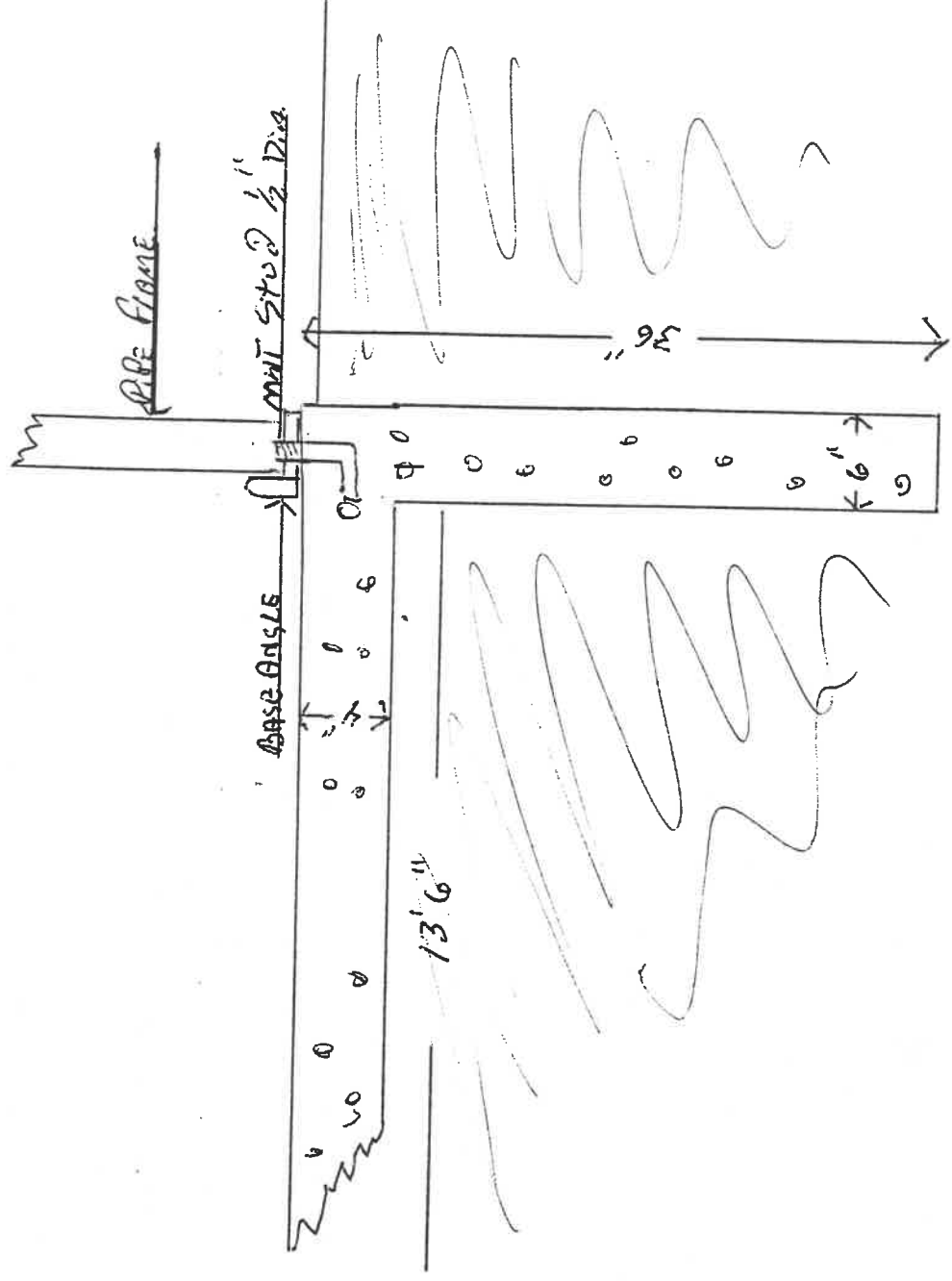
UTAH
COUNTY
NATIONAL TO THE



ORA E DUEWEG
 607 SHEFFIELD
 NAPOLSON
 592-7636
 WALTERS COLLISION
 Jack D. Walters



OTHO E. DIEMER, JR.
 607 SHEFFIELD
 NAPPOLIS, OHIO
 592-7626
 WALTERS COLLISION
 Jack A. Walters



CEMENT SLAB & STRIP FOOTER

WALTERS CONSULTING SERVICE
 JACK D. WALTERS

June 5, 1990

Dear Mr. Connelly,

These are drawings supplied by the manufacturer, except for a drawing of the pier. Diameter would vary with the roof of the car port.

Please look these over and see if there would be any problem with compliance to building codes.

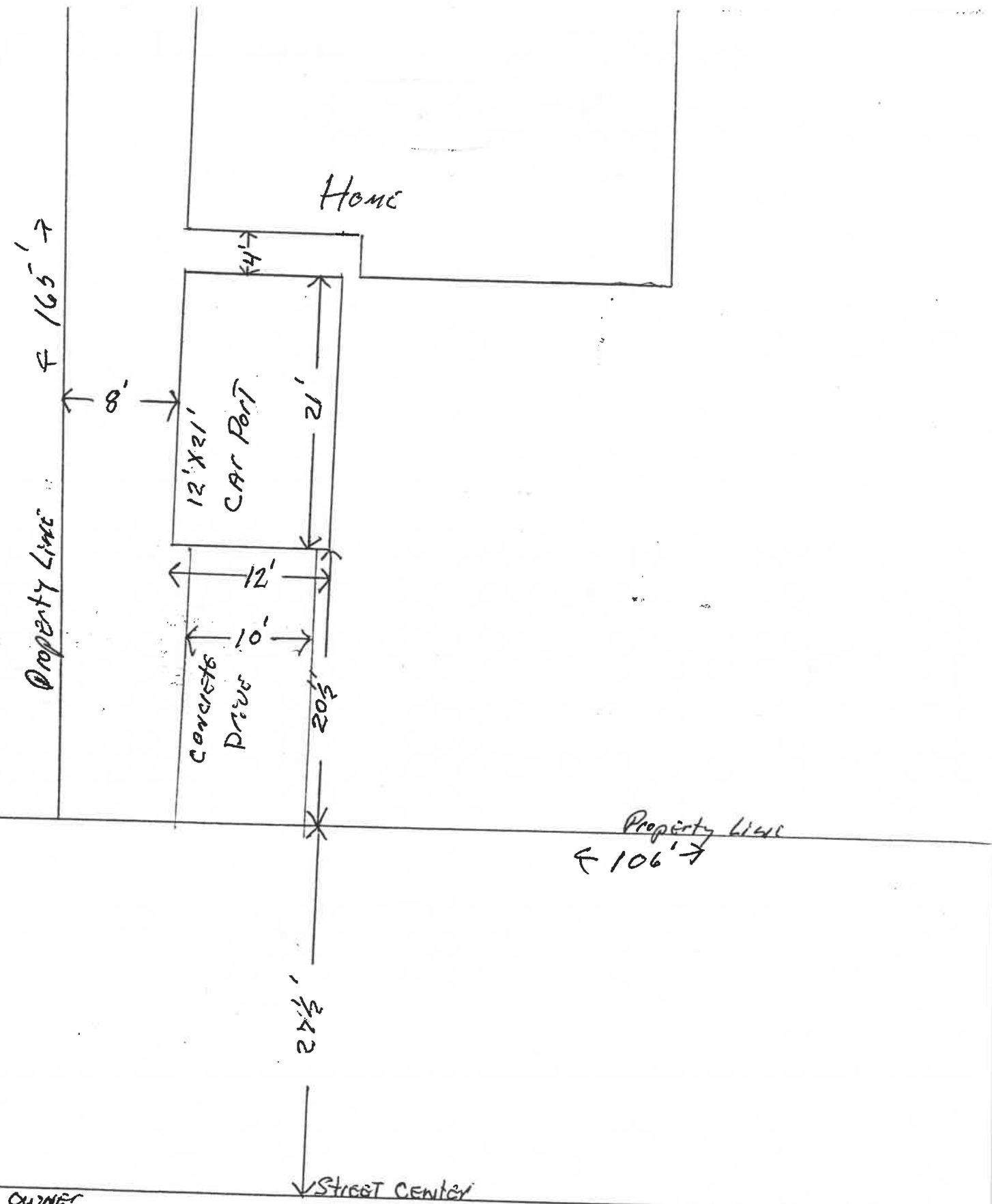
Thank You.

Gene R. Walters

Gene Walters
Walters Collision Service
222 E. Front
Napoleon, Ohio

Sent 6-6-90

*Bob Connelly
1 COURTHOUSE SQUARE
BOWLING GREEN, OHIO 43402*



OWNER
 HERBERT BEDELHYMER
 422 BROWNELL
 NAPOLEON
 592-6276

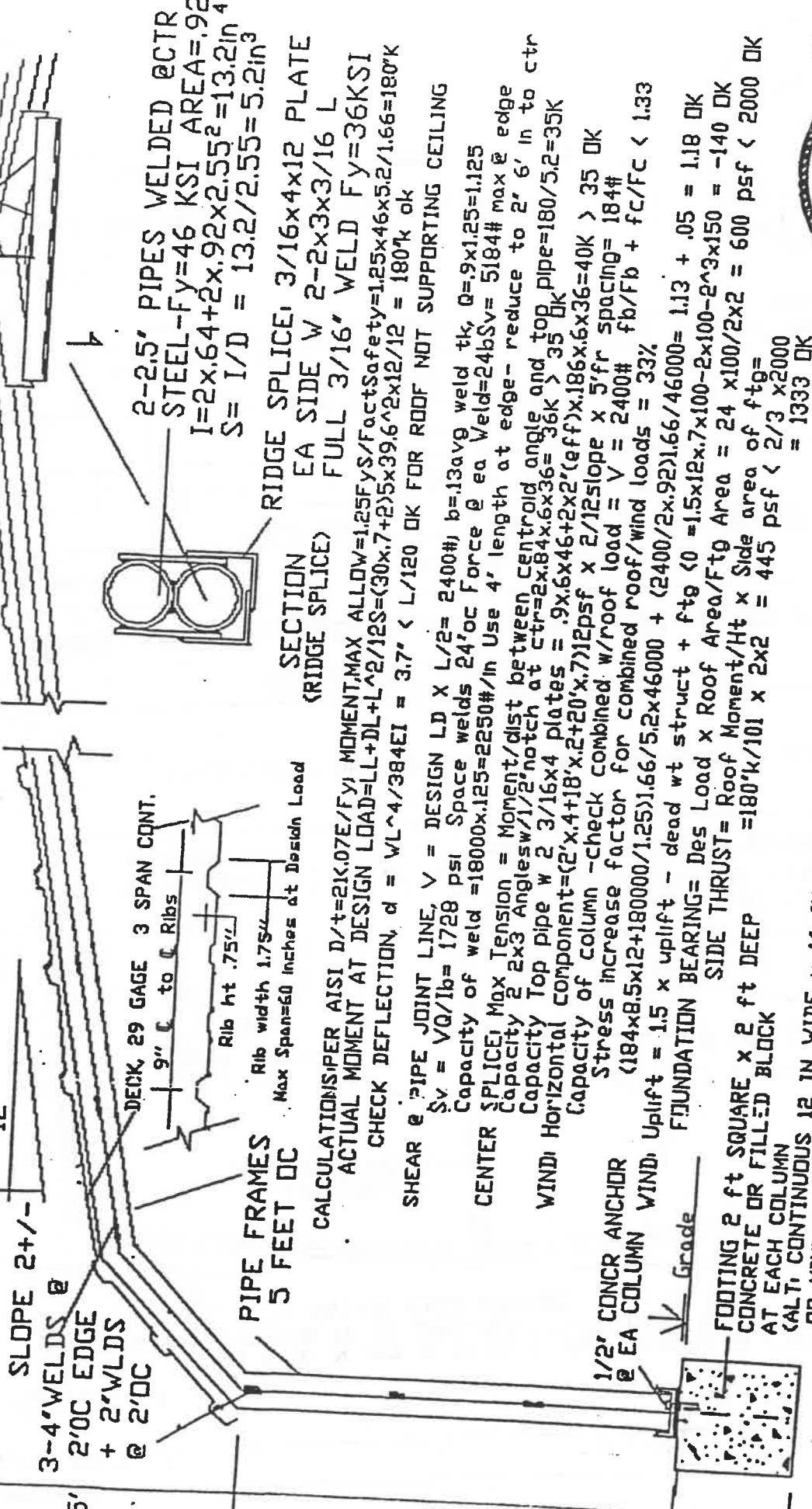
Herbert E. Belchymmer

DEALER
 WALTERS COLLISION SERVICE
 222 E. FRONT ST
 NAPOLEON OHIO

Prepared by Jack Walters

Check for \$50.00 By Tuesday 2nd Oct.
Meeting Date 23 Oct.

DESIGN BASIS: SNOW LD ROOF COEF = .7
 HORIZONTAL WIND PRESSURE = 12 PSF @ VELOCITY = 80 MPH
 ROOF COEFFICIENTS: WINDWARD-EDGE = +.4, CTR = +.2
 SOIL BEARING = 2000 PSF MIN
 LEEWARD = -.7



2-2.5" PIPES WELDED @ CTR
 STEEL-FY=46 KSI AREA=.92
 $I=2 \times .64 + 2 \times .92 \times 2.55^2 = 13.2 \text{ in}^4$
 $S=I/D = 13.2/2.55 = 5.2 \text{ in}^3$

RIDGE SPLICE, 3/16x4x12 PLATE
 EA SIDE W 2-2x3x3/16 L
 FULL 3/16" WELD FY=36KSI

SECTION (RIDGE SPLICE)

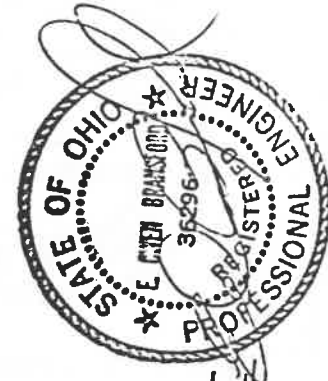
CALCULATIONS PER AISI D/t = 21.07E/Fy, MOMENT MAX ALLOW = 1.25 Fy S / Fact Safety = 1.25 x 46 x 5.2 / 1.66 = 180 K
 ACTUAL MOMENT AT DESIGN LOAD = LL + DL + L^2/12S = (30 x .7 + 2) x 39.6^2 x 12 / 12 = 180 K OK
 CHECK DEFLECTION, d = VL^4 / 384EI = 3.7" < L/120 OK FOR ROOF NOT SUPPORTING CEILING

SHEAR @ PIPE JOINT LINE, V = DESIGN LD X L/2 = 2400#
 b = 13 avg weld tk, Q = 9 x 1.25 = 1.125
 $S_v = VQ/Ib = 1728 \text{ psi}$
 Capacity of weld = 18000 x .125 = 2250 #/in Use 4" length at edge - reduce to 2' 6" in to ctr

CENTER SPLICE: Max Tension = Moment / dist between centroid angle and top pipe = 186 x 6 x 36 = 40K > 35 OK
 Capacity 2 2x3 Angles w/ 1/2 notch at ctr = 2 x 84 x 6 x 36 = 36K > 35 OK
 Capacity Top pipe w 2 3/16x4 plates = .9 x 6 x 46 + 2 x 2" (eff) x 186 x 6 x 36 = 40K > 35 OK
 Capacity Horizontal component = (2' x .4 + 18' x .2 + 20' x .7) 12 psf x 2/12 slope x 5' fr spacing = 184#
 Stress increase factor for combined roof/wind loads = V = 2400# fb/Fb + fc/Fc < 1.33
 (184 x 8.5 x 12 + 180000 / 1.25) 1.66 / 5.2 x 46000 + (2400 / 2 x .92) 1.66 / 46000 = 1.13 + .05 = 1.18 OK

FOUNDATION BEARING = Des Load x Roof Area / Ftg Area = 24 x 100 - 2 x 3 x 150 = -140 OK
 SIDE THRUST = Roof Moment / Ht x Side area of ftg = 180'k / 101 x 2 x 2 = 445 psf < 2/3 x 2000 = 1333 OK

1/2' CONCR ANCHOR @ EA COLUMN WIND, Uplift = 1.5 x uplift - dead wt struct + ftg < 0 = 1.5 x 12 x 7 x 100 - 2 x 100 - 2 x 3 x 150 = -140 OK
 FOOTING 2 ft SQUARE x 2 ft DEEP CONCRETE OR FILLED BLOCK AT EACH COLUMN (ALT: CONTINUOUS 12 IN WIDE x 16 IN DEEP CONT FTG OR MINUTEMAN TYPE GND ANCHOR)



CROSS SECTION AT DOUBLE TUBE FRAME
 40 FEET MAXIMUM OVERALL SPAN

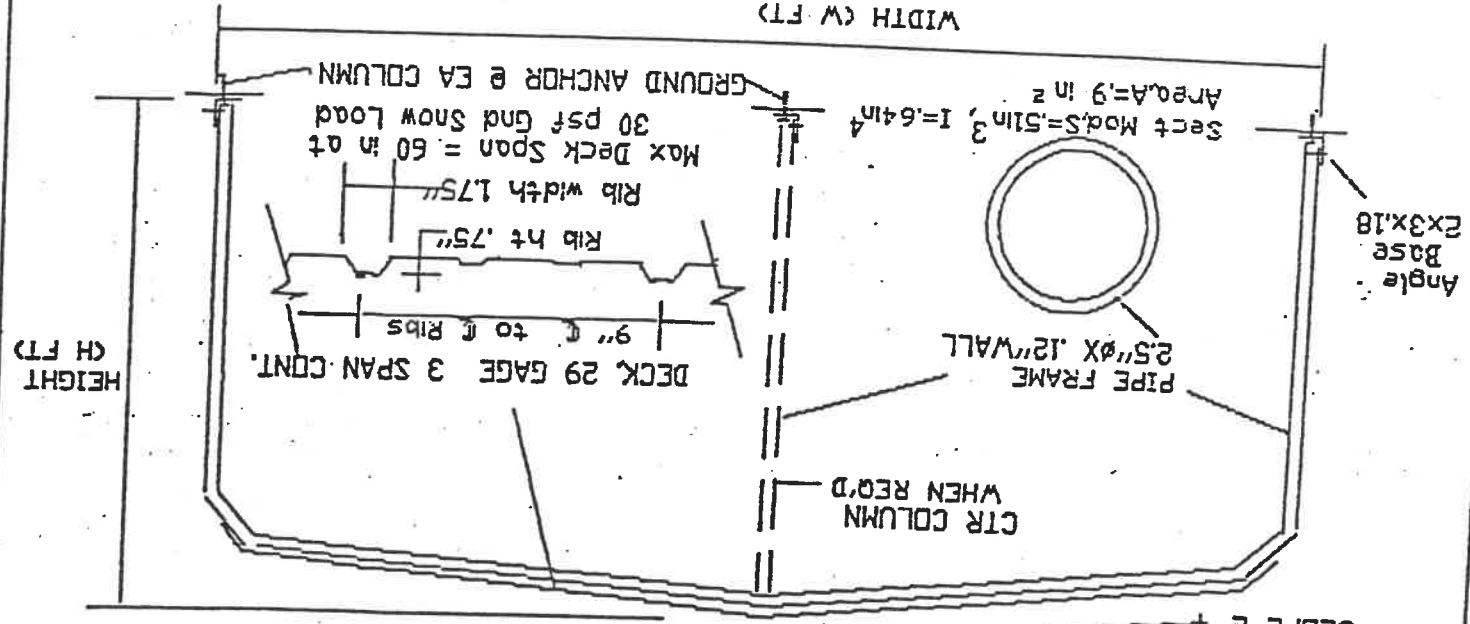
JAN 23 1990

Porta Carpet

SUBJECT: CARPET SPAN TABLE

80 MPH DESIGN WIND
(INLAND AREAS)

DESCRIPTION:
BENT PIPE FRAMES 2 30 IN AND 60 IN ON CENTER COVERED BY CORRUGATED
STEEL DECKING (DECKING TO BE CONTINUOUS OVER THREE OR MORE SUPPORTS)
MATERIAL: STEEL WITH MINIMUM YIELD STRENGTH $F_y = 46$ KSI
SLOPE 2" / 12"



LENGTH OVER ALL MULTIPLES OF FRAME SPACING AS DESIRED, (L FT)

SPAN TABLE

GROUND SNOW LOAD, 30 PSF
WIND LOAD, 80 MPH (12 PSF)

FRAME SPACING INCHES	CLEAR SPAN		MAXIMUM DIMENSIONS, FEET	
	WIDTH, W	HEIGHT, H	WIDTH, W	HEIGHT, H
30	12' 6"	10' 0"	29' 0"	12' 0"
60	18' 0"	10' 0"	29' 0"	11' 0"

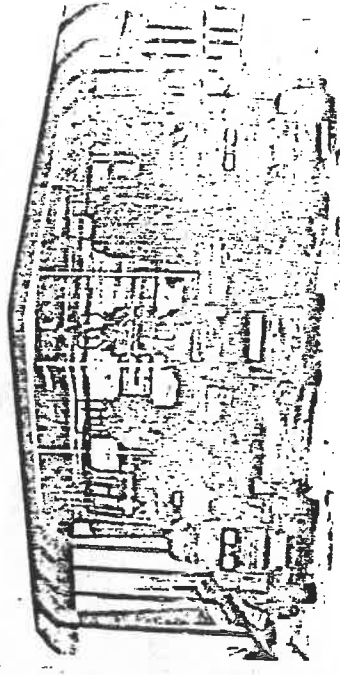
TOTAL LENGTH, DESIRED MULTIPLE OF 30 IN OR 60 IN FRAME SPACING

REFERENCES:

1. THE BOCA NATIONAL BUILDING CODE, 1987 ED
2. COLD FORMED STEEL DESIGN MANUAL, AISI, 1986

DATE: 5/15/88

PORTA CARPORT®



**Excellent protection
from the elements.**

SELF SUPPORTING STEEL CARPORT

29 Gauge Steel - 20 Year Guarantee On Roof
2 1/2" 11 Gauge Steel Black Tubes

Sizes: Double - 20' x 21' Single - 12' x 21'

J-Channel On Side

All White Trim

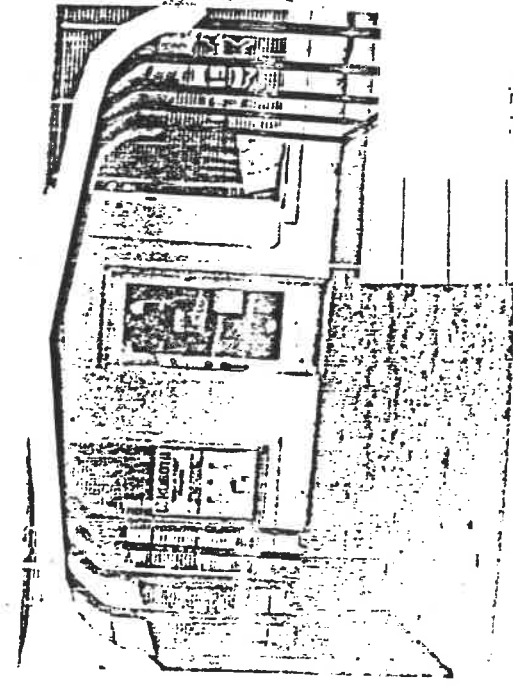
All Black Frame

Four Colors Red, White, Blue, Beige, And
Other Colors Special Order.

Special Lengths And Sides May Be Ordered

When you need to protect your investment in expensive equipment, the answer is always **PORTA CARPORT!** THE PRICE IS RIGHT TOO! This efficient and good looking solution will last for years. All you need is to contact:

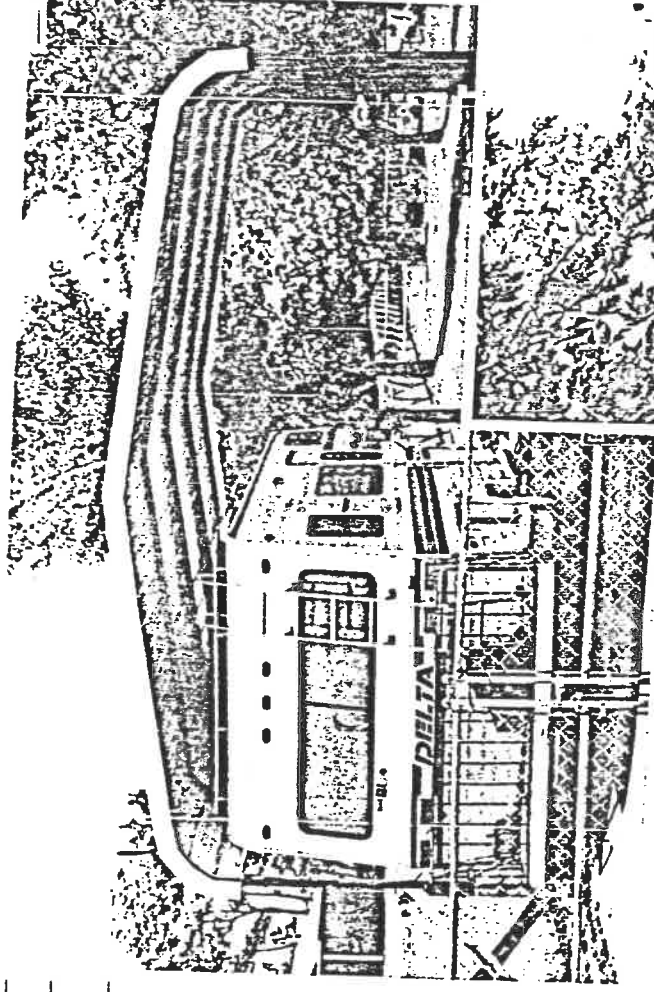
Ron's Rentals Sales & Service
1424 N. Shoop Ave.
Wauseon, Ohio 43361



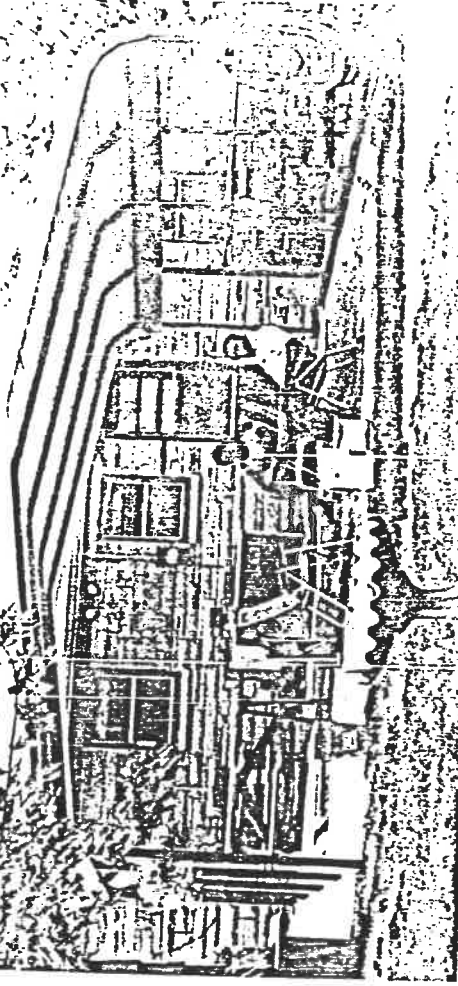
- ◇ Double size is 20 x 21 feet. Can shelter two cars, boat, tractors. There are many uses for this modern item.
- ◇ Trimmed on all sides, resulting in a neat, beautiful appearance.
- ◇ Many available colors.

- ◇ Single size - 12 x 21 feet. Ample space to open car door with car parked under roof.
- ◇ Outstanding protection for farm products, flea markets. Restful shade for farm animals.
- ◇ Covers motor home, RV's, various pieces of equipment, boats. Unlimited Uses!!!

- ◇ Heavy steel angle iron base enables user to anchor the Porta Carport to any surface available.
- ◇ Posts are dipped in black enamel.
- ◇ Roof material applied with self-drilling screws to insure that there will be no leaks.



- ◇ Surround the Porta Carport with beautiful flowers to beguile a guest with nature's wonders.
- ◇ Imaginative and innovative use results in this cool, appealing patio for outdoor and gracious living. Family and friends can gather for either conversation or cooking - or both.



June 5, 1990

Dear Mr. Connelly,

These are drawings supplied by the manufacturer,
except for a drawing of the pier. Diameter would vary
with the roof of the car port.
Please look these over and see if there would be
any problem with compliance to building codes.

Thank you.

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Gene Walters
Walters Collision Service
222 E. Front
Napoleon, Ohio

Bob Connelly
1 Courthouse Square
Bowling Green, Ohio 43402

6-6-90

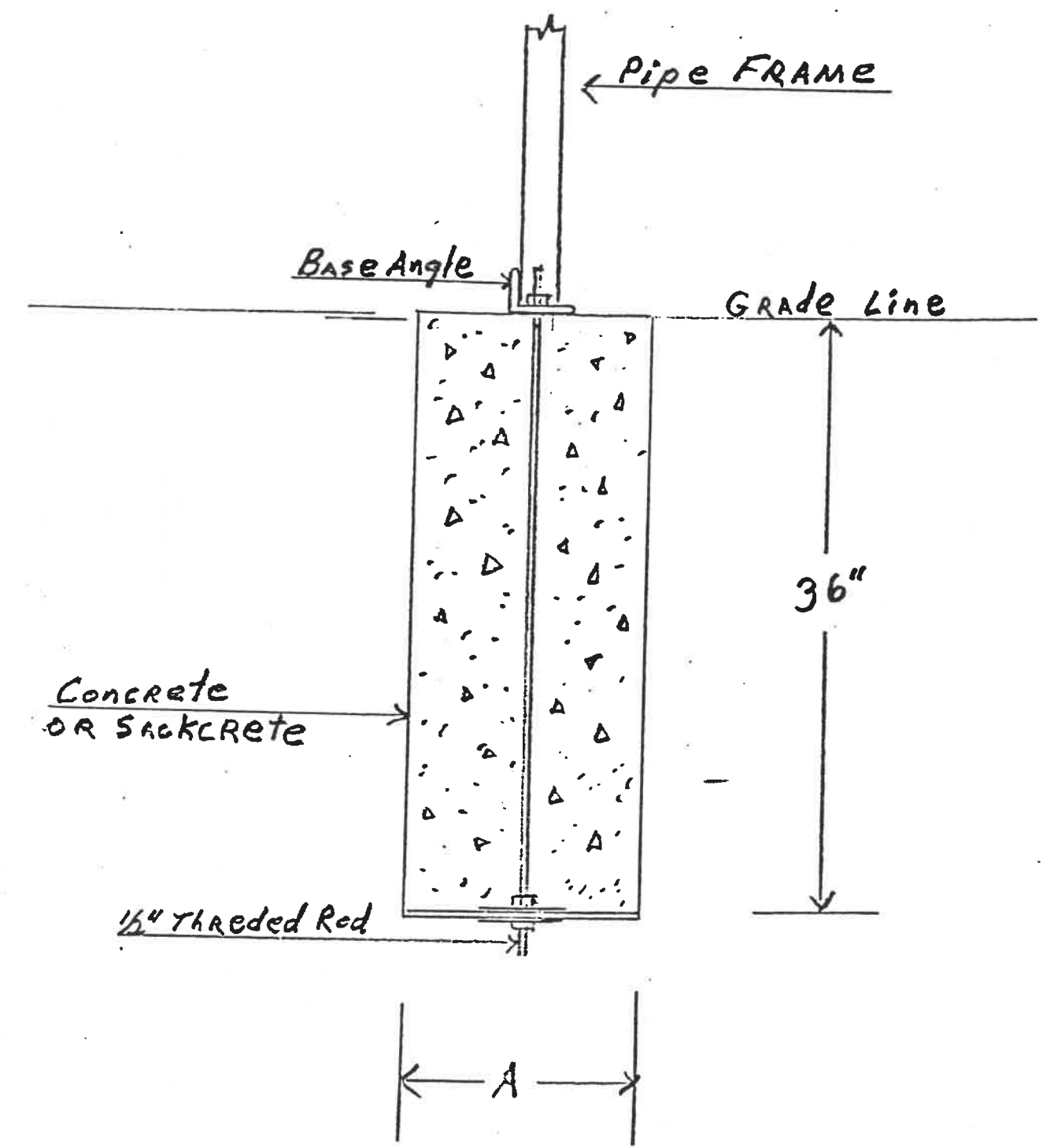
Carport Pier Foundation 5' Apart AT FRAMES

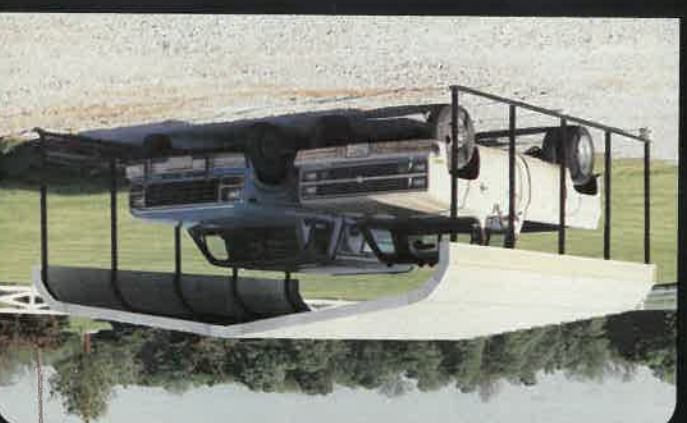
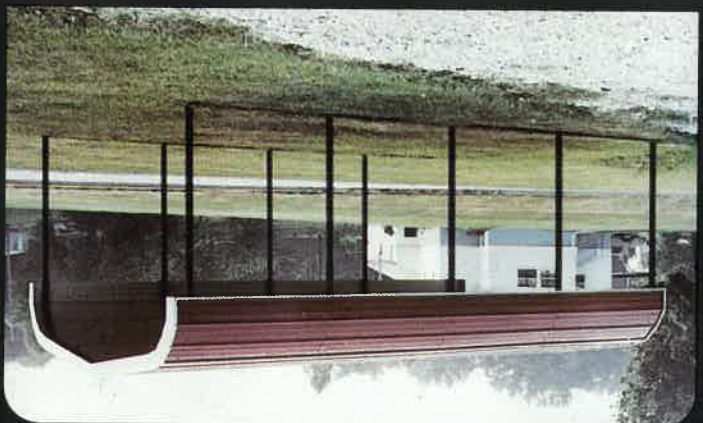
DIMENSION A CHANGES FOR VARIOUS ROOF SIZES

12X21 A=9" DIA.

15X21 A=10" DIA.

20X21 A=12" DIA.





Excellent for Commercial, Agricultural and Residential Applications

SELF SUPPORTING STEEL STRUCTURES



20 Year Limited Warranty

THE GENUINE PORTA CARPORT

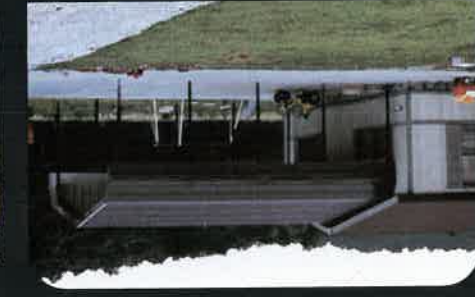
Great Protection For All Equipment



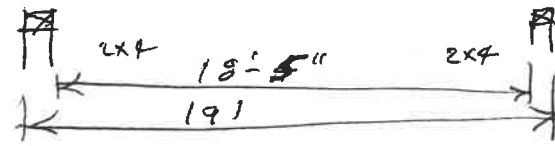
- Carports & Patio covers, many colors.
- 20 year limited warranty on sheeting and trusses.
- Lengths, widths, heights, adjustable.
- 29 Gauge "Galvalume" steel sheeting.
- 2 1/2" 11 Gauge Enamelled steel frame.
- Enamelled, heavy steel ground rails

PORTA CARPORT MANUFACTURING — Hopkinsville, Ky. 1-800-458-3464

SELF SUPPORTING STEEL CARPORTS



STEUE BRONS



#2 SOUTHERN PINE $F_b = 1400$ $E = 1.6$

FLOOR VOISTS

LIVING SPACE 40# P.S.F. LIVE LOAD

16" O.C. MAX SPAN FOR 2x10S = 16'-5"

#2 SOUTHERN PINE

2x12S @ 16" O.C. MAX SPAN = 19'-11"

SLEEPING AREA 30# P.S.F. LIVE LOAD

2x10S @ 16" O.C. #2 S.P. MAX SPAN = 18'-0"

2x12S @ 16" O.C. = 21'-11"

20# P.S.F. STORAGE AREA LOAD CEIL. VOISTS

2x8S @ 16" O.C. #2 S.P. MAX SPAN = 18'-6"

12" O.C. " " = 20'-5"

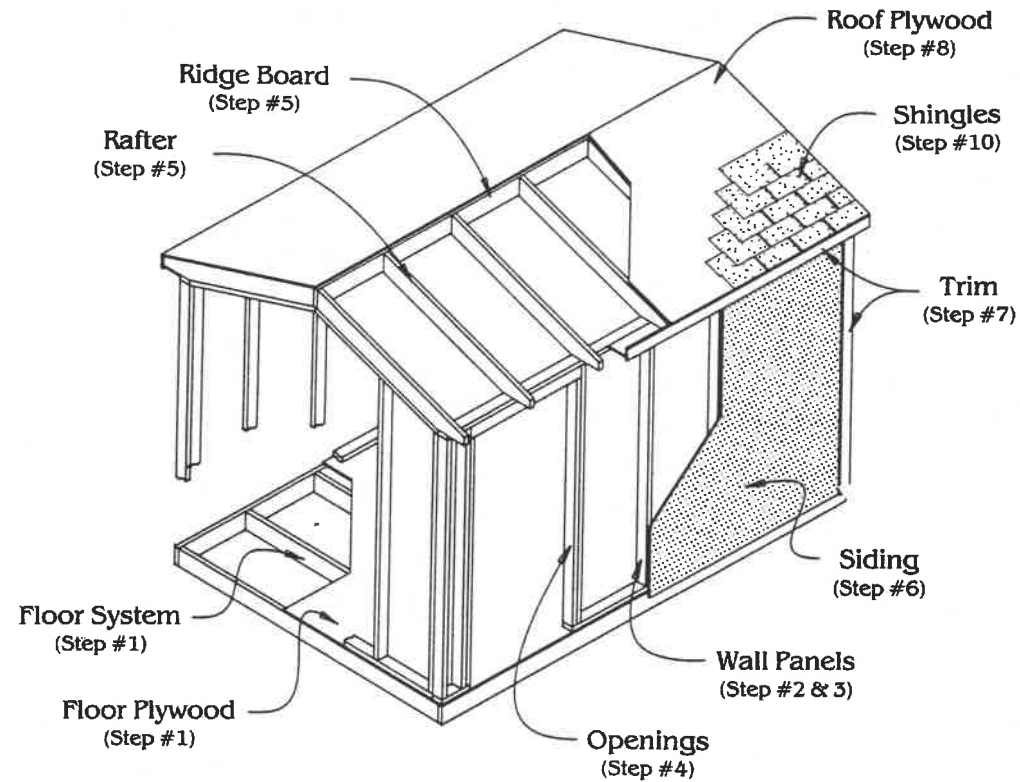
2x10S @ 16" O.C. " " = 23'-8"

ABOUT YOUR PLANS . . .

Your shed plans provide detailed step by step instructions for construction of your shed. A variety of sizes and options are provided for in these plans. If using prefabricated components, some steps may be omitted.

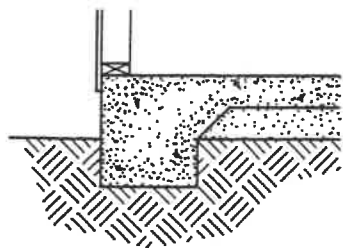
These plans provide basic information needed to construct the shed as shown; however, you may alter finish and trim details to provide a more personalized style of shed to better meet your needs.

TYPICAL SHED ASSEMBLY

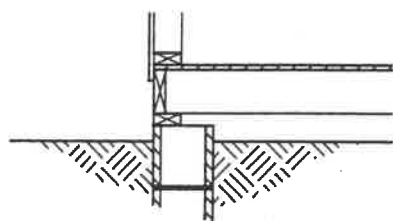


CHOOSING YOUR FOUNDATION

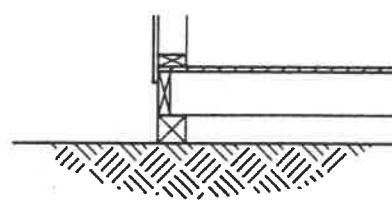
Check local codes for foundation requirements



Slab



Floor System On Block



Floor System On Skids

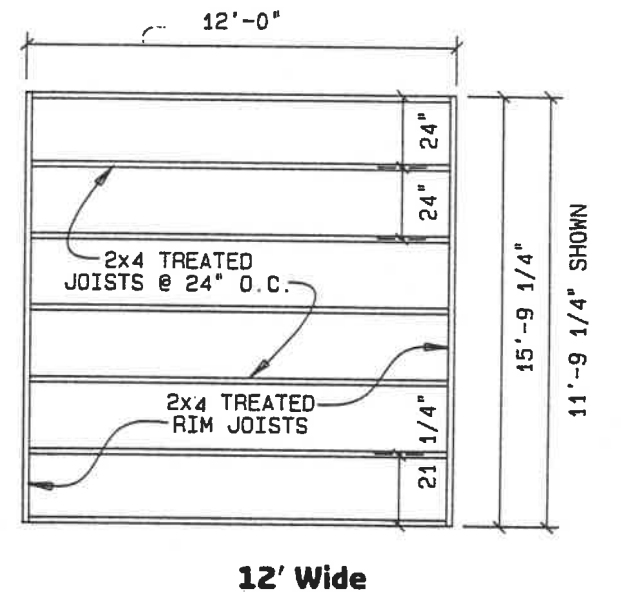
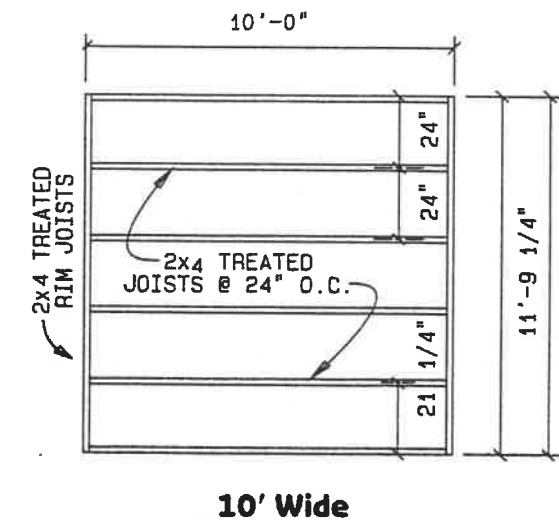
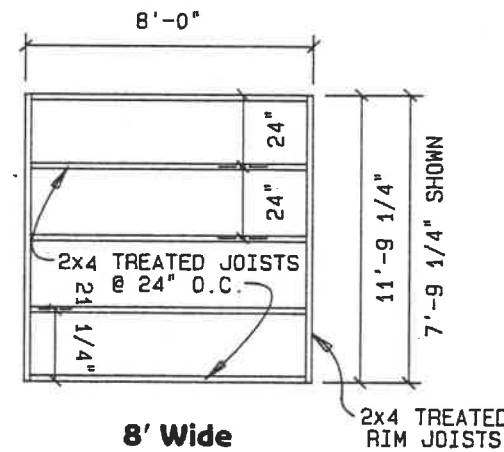
1 THE FLOOR SYSTEM

After building your desired foundation, the next step is framing the floor system (if applicable).

Select the floor system for the shed size you are building.

Mark joist locations on rim joist. Nail rim joist to floor joist. Check floor system making sure it's level and square before applying plywood.

Equal diagonal measurements insure a square floor system.



Interior bearing required @ 4' O.C. maximum

APPLY FLOOR PLYWOOD

Apply floor plywood perpendicular to floor joists using 8d nails. Stagger adjacent rows of plywood at least 2'.

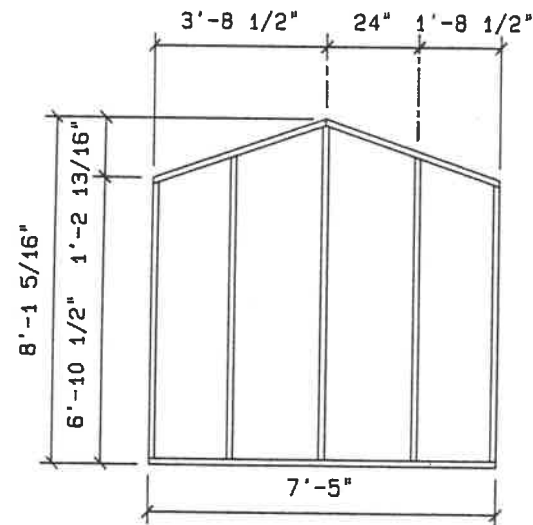
Laying out a foundation is the critical beginning in construction. If you make sure the foundation is square and level, you will find all later jobs are made much easier.

NOTE: Equal diagonal measurements insure a square foundation.

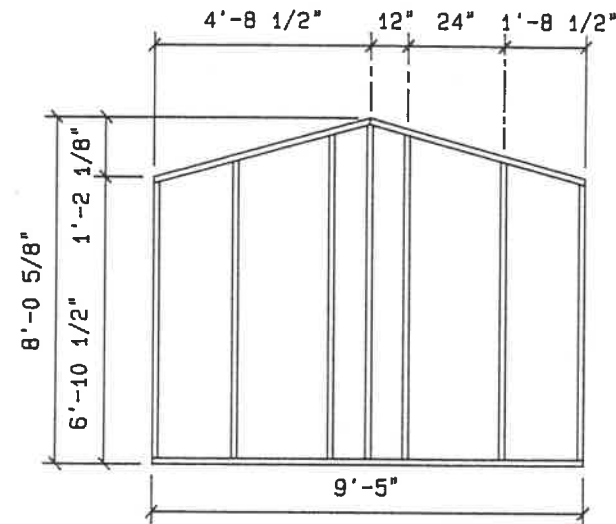


GABLE WALL PANELS

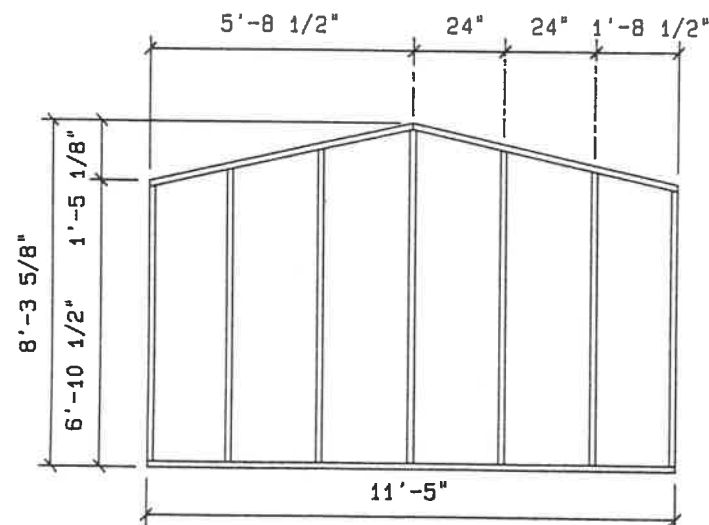
Use 2x4 studs located at 24" O.C. and as shown below. The size of the gable panels will be determined by the depth of your shed and the side panels determined by length of shed.



8' Gable Panel



10' Gable Panel



12' Gable Panel

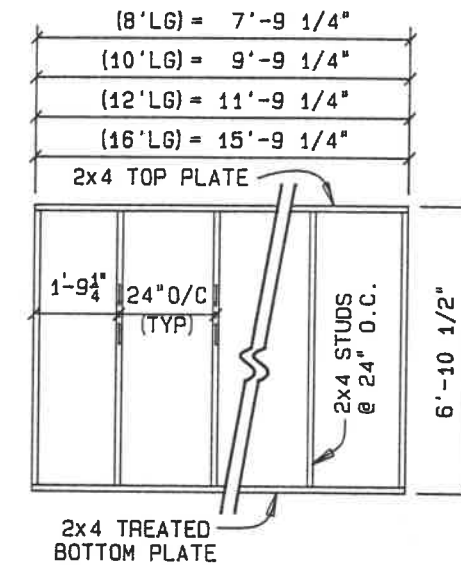
After your gable end panels have been framed, frame your sidewall panels.

Shown are the panel envelopes without window and door subassemblies. Step #4 shows subassembly framing. The locations of your windows and doors are based entirely upon your preference.

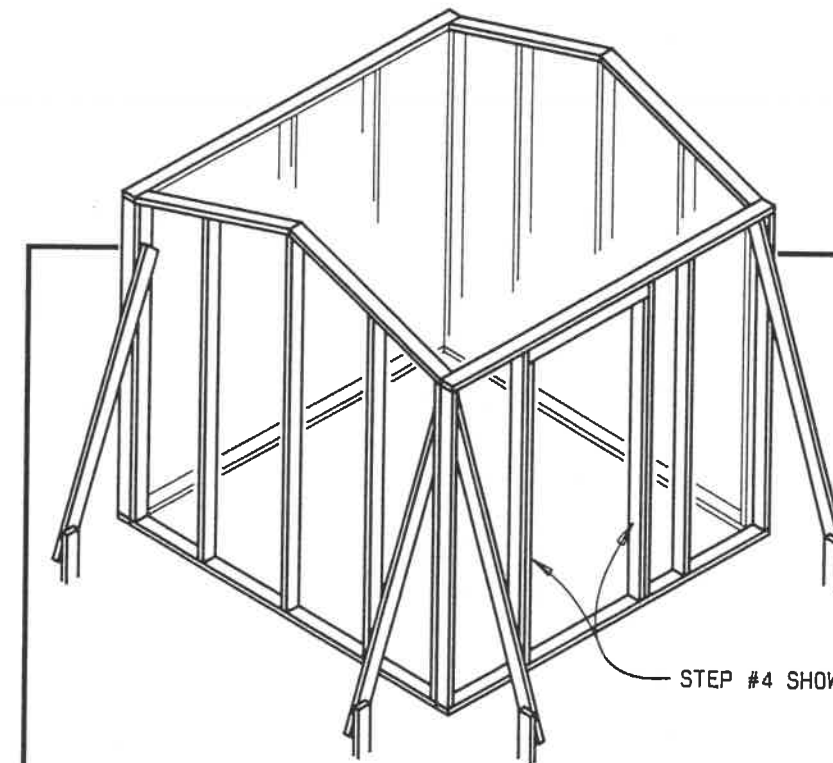


SIDE WALL PANELS

Use 2x4 studs located at 24" on center as shown below. The length of these panels will be determined by the length of shed.



Panels are shown without window and door openings. Step #4 shows subassembly framing. These openings should be placed in wall panel during construction of panels.



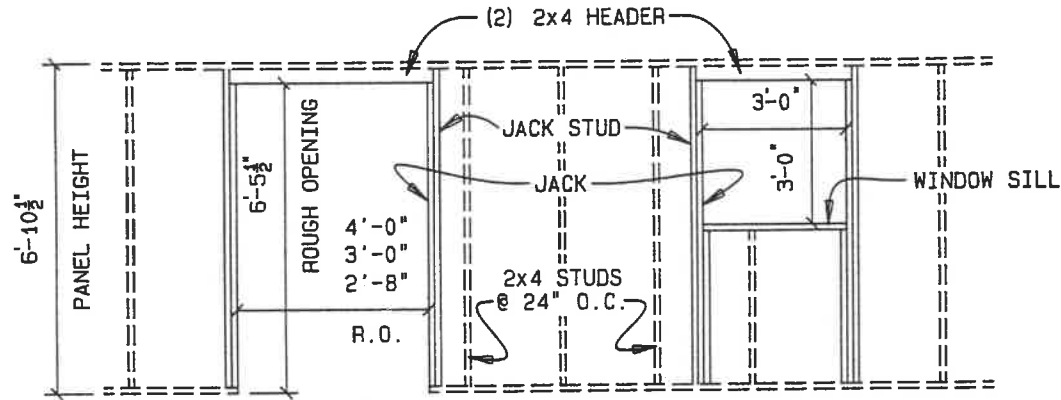
Shed shown with temporary bracing. After siding is applied on two sides, bracing can be taken down and later used for shelf material.

4

DOOR AND WINDOW SUBASSEMBLY FRAMING

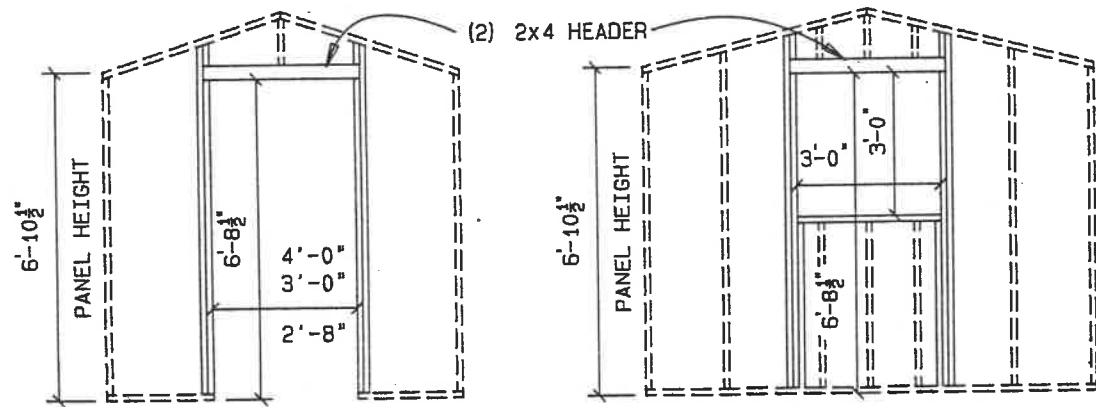
Subassemblies located in side wall panels will maintain a consistent height. The header

height will differ on the gable panels. Shown below is typical subassembly framing.



Door & Window Subassembly

Shown are standard door and window rough openings. You may choose a different window or door style for your shed. If so, adjust rough opening to accommodate new window/door.



Gable Panel Subassembly

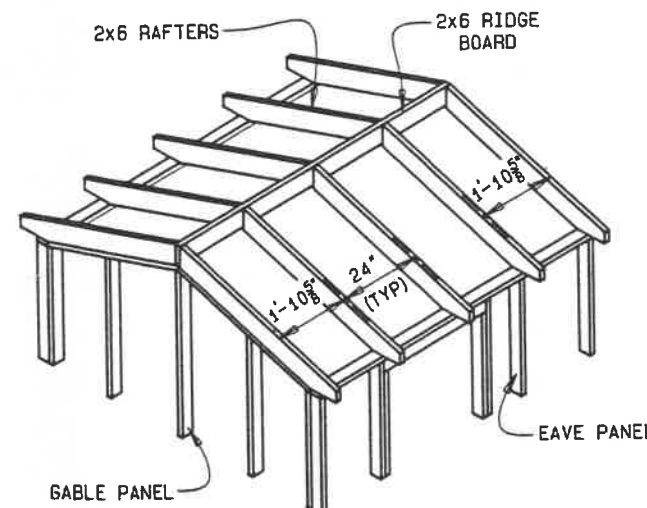
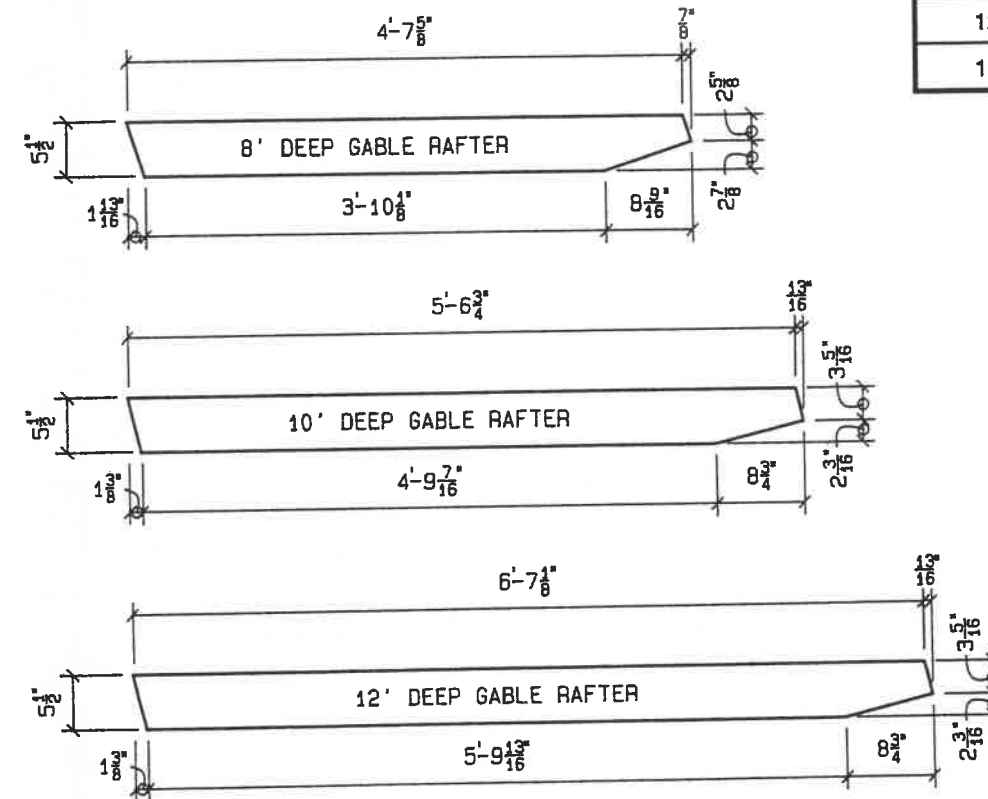
The locations of these subassemblies are based entirely upon your preference. You may choose an eave entry as well as a gable entry shed with a window location or locations wherever you desire.

5

THE ROOF SYSTEM

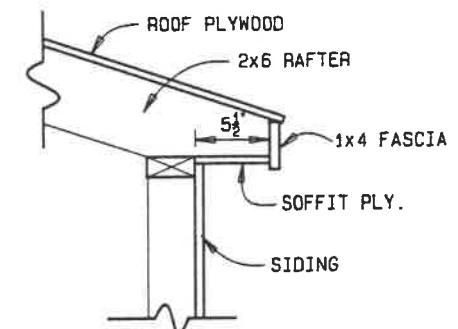
Rafters are determined by gable depth. Use rafter cutting diagram below which coincides with your gable size. Cut the amount of rafters needed per the length of your shed.

Shed Length Chart	
8' Long	= 10 ea.
10' Long	= 12 ea.
12' Long	= 14 ea.
16' Long	= 18 ea.



Roof Framing

Nail ridge board and rafters in place keeping rafters 22 5/8" in from gable ends to center and at 24" on center. This will provide adequate nailers for roof plywood.



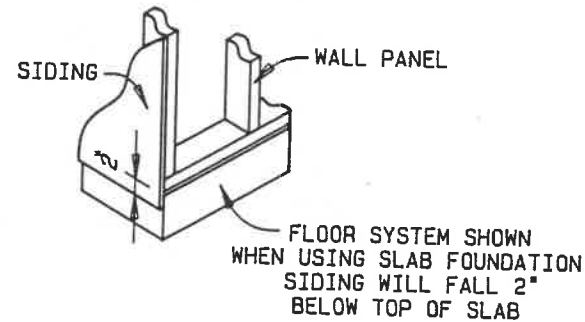
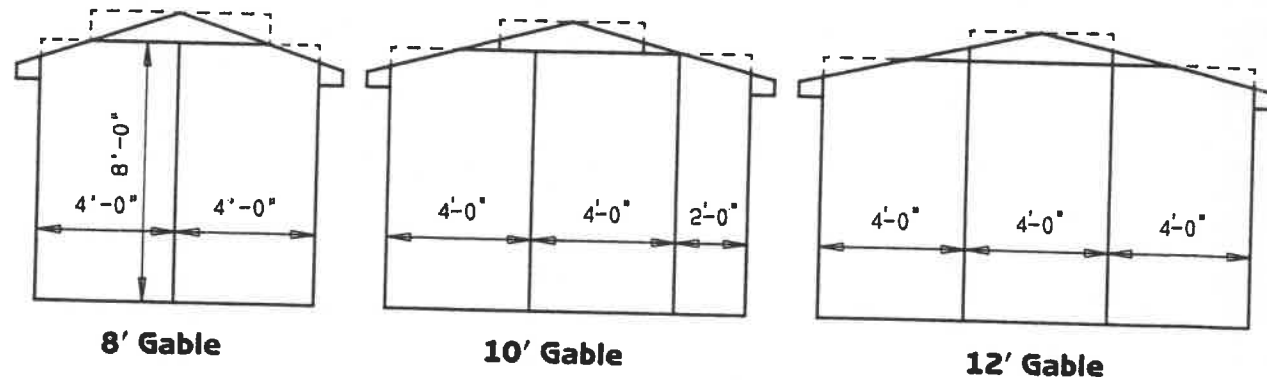
Eave Detail



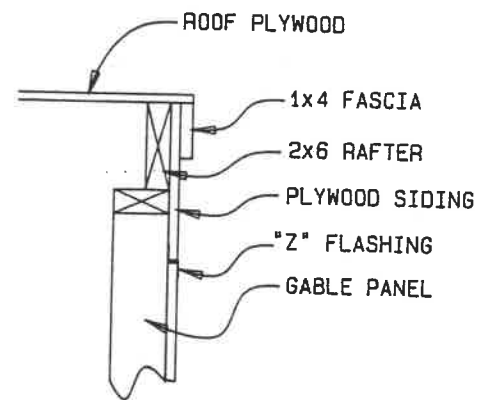
PLYWOOD SIDING

Temporarily nail sheets in place to gable end panels allowing for a 2" bottom lap. Mark roof line on back of panels. Remove, cut and reapply. Repeat steps for opposite gable marking and cutting window openings also. Shown are the panel positions for the gable ends.

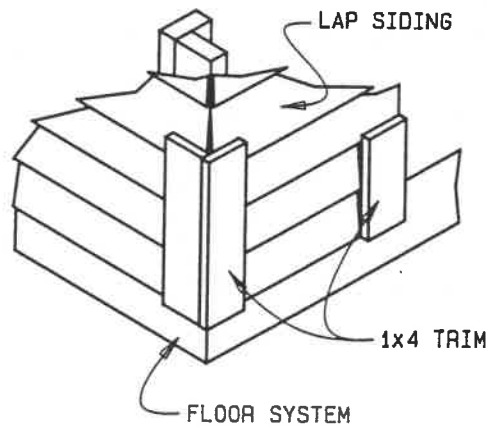
Note: Layouts shown may need to be modified to accommodate door locations so that doors may be built without a plywood seam.



Siding will fall 2" below the bottom plate to accommodate floor systems and slabs. Cut a 5 1/2" strip of roof plywood and nail to the eave for soffit plywood (shown in "Eave Detail" at Step #5). Cut sheet siding for front and rear panels. Mark and cut out the window and door openings.



Gable Section



Lap Siding At Corner

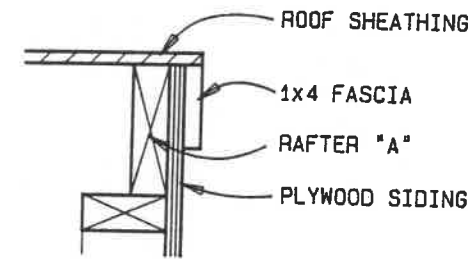
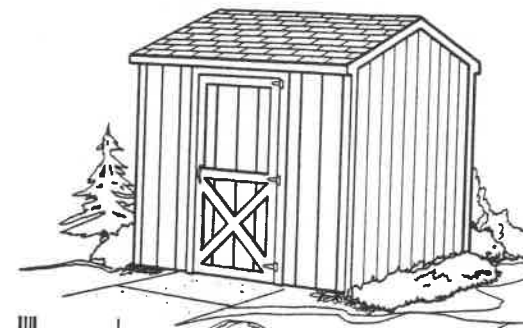
APPLYING LAP SIDING

Cut and nail lap siding over entire shed shell omitting siding at window and door openings. The 1x4 trim will then be nailed on top of lap siding. The door will still be constructed of plywood. (See Step #7.)

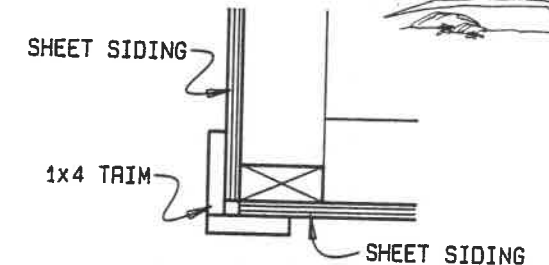


TRIM

Trim out gable ends with 1x4 held flush with the top of the rafters. Apply corner trim at all four corners and trim around doors.



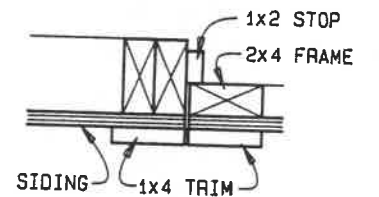
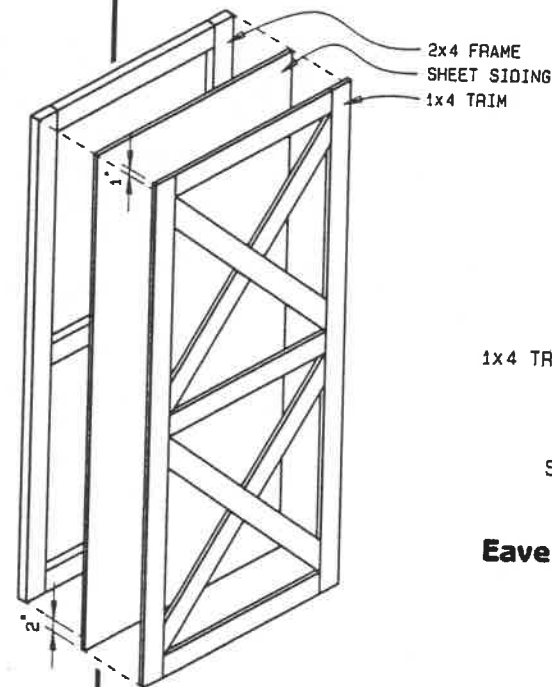
Gable Details



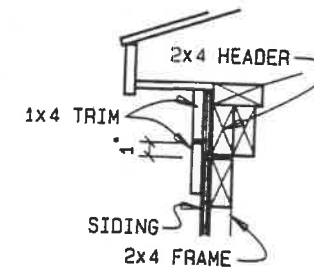
Sheet Siding Corner Plan

DOOR FRAMING

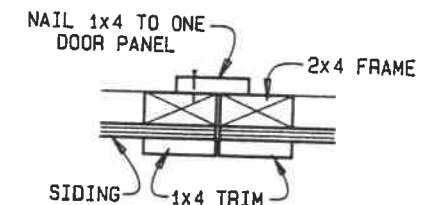
Nail 2x4 frame to the back of the plywood siding and 1x4 trim to front. Door panel must be constructed using one continuous sheet of plywood. Do not "seam" plywood within a door panel. Shown below is one way of trimming the door, although there are several door styles or you may design your own preferred style of door trim.



Door Jamb



Eave Header Section



Double Door Plan

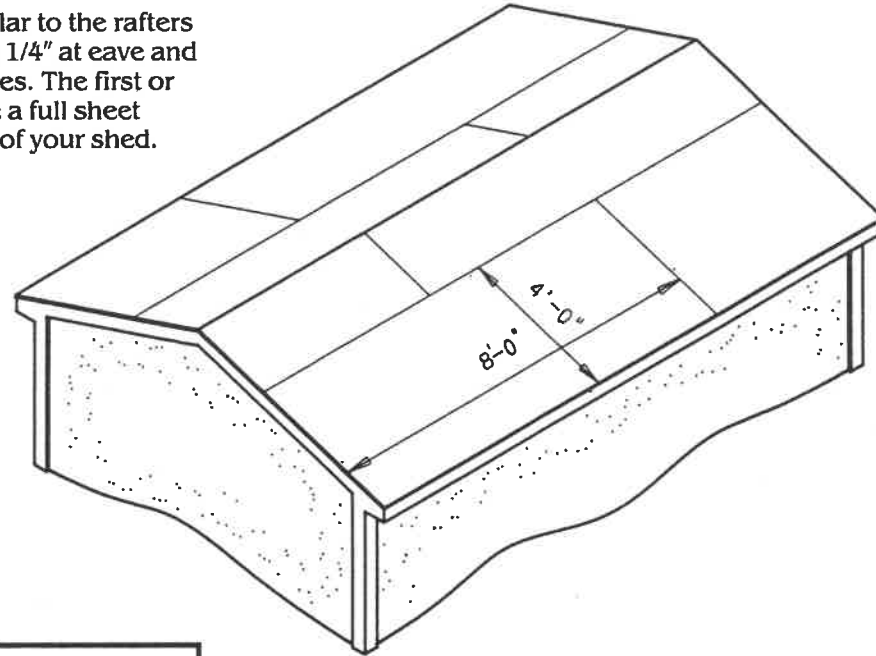
Below are other door trim styles.



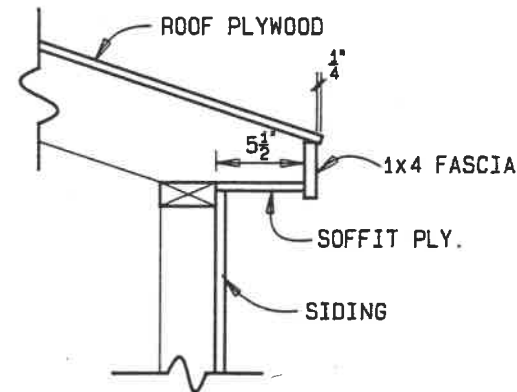
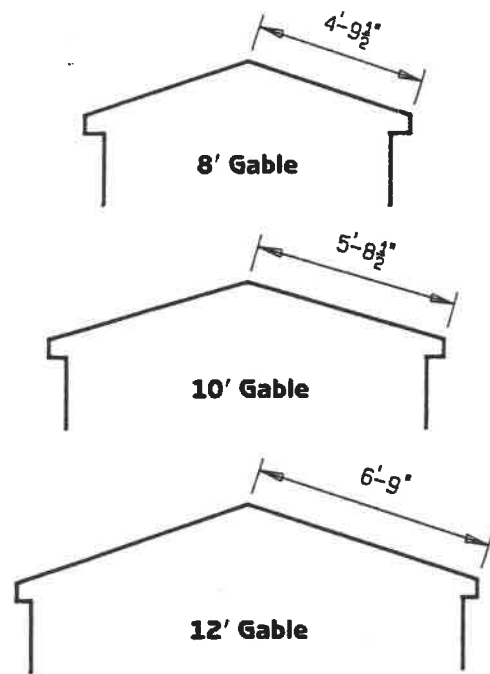
8 ROOF PLYWOOD

The plywood runs perpendicular to the rafters and hangs over the 1x4 fascia 1/4" at eave and is flush with 1x4 fascia at gables. The first or bottom row of plywood will be a full sheet tight to the gable eave corner of your shed.

Shown is a typical plywood arrangement on roofs.



Shown below are gable elevations dimensioning the actual run of roof which will be covered, including eave overhangs and the 1/4" plywood overhang. Stagger adjacent rows of plywood by at least 2'.



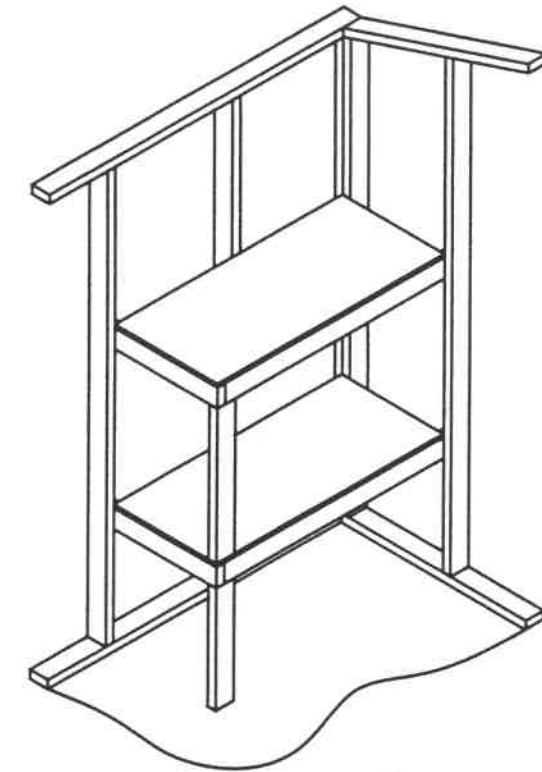
Eave Detail

Eave detail shows plywood 1/4" past 1x4 eave fascia

9 SCRAP MATERIAL USAGE

There will be a minimal amount of scraps including the 2x4 temporary bracing and pieces of left over plywood.

Shown at right is a corner shelf assembly. There are a multitude of shelf arrangements and you can construct shelves to accommodate your needs.



10 COMPLETION

Apply roofing per manufacturer's directions. We recommend that you paint or stain the building.

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