

50 Contractor Garage Plans Construction Blueprints



**Sheds, Barns
Garages
Apartment Garages
John Davidson**

100 Contractor Garage Plans

Construction Blueprints

Sheds, Barns, Garages, Apartment Garages

By John Davidson

Kindle Edition

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50 Contractor Garage Plans

Construction Blueprints



**Sheds, Barns
Garages
Apartment Garages**
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About the Author

John Davidson

John has been drawing homes barns and garages since 1984. He has drawn over 500 homes and over 1000 garages and barns. John started a family drafting business called Specialized Design Systems (SDSPlans).

On the website <http://housecabin.com> there are over 100 full house and cabin plans available for easy download for as low as \$1 each. John has been selling affordable digital plans online for over 10 years.

Other plans have also been part of the development of this online business. Over 100 websites market these plans on the Internet. Low cost plans that you can download instantly.

<http://pdfgarages.com> is loaded with digital garage plans specials

<http://pdfbarns.com> has a wide variety of barn plans

<http://thegardenshed.net> has garden shed plans

<http://plansforplayhouse.com> is for playhouse plans

<http://build-chicken-coop.com> has chicken coop plans

<http://bunkhouseplans.com> is loaded with bunkhouse and cabin plans

Check out more of the plans at the main company website <http://sdsplans.com>

Specialized Designs Systems LLC, Mendon, Utah

DISCLAIMER

READ BEFORE YOU BEGIN! THESE PLANS ARE INTENDED AS A GUIDE ONLY!
READ THESE INSTRUCTIONS COMPLETELY THROUGH ONCE AND UNDERSTAND
WHAT IS REQUIRED.

We will not be held responsible for any accidents or injuries anyone may sustain. Builder assumes all risks associated with construction work!

We assume some builder competency in the use of tools, safety and equipment.

Work safely and wear proper safety equipment such as gloves, ear protection and eye protection.

To the best of my knowledge these plans are drawn to comply with owner's and/ or builder's specifications and any changes made on them after prints are made will be done at the owner's and / or builder's expense and responsibility. The contractor shall verify all dimensions and enclosed drawing. SDSCAD is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker can not guarantee against human error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible thereafter. All calculations and member sizing should be verified for your building by a certified building official.

Please Note

Please note, this book is not a step by step book for construction but the actual plans that can be used to apply for permits. Plans in the kindle book are low resolution

because of limits to the kindle format but links to download and print high resolution to scale blueprints in PDF format are available in the book. Engineering may be required on plans to be built in different locations.

About this book

This book is meant to be a catalog of garage plans offered by <http://sdsplans.com> . This is a set of spec pages for 50 Contractor Garage Plans. The kindle format is not the highest resolution method to view these spec pages but gives you an idea of the garage plan layouts for each of the plans. All of these plans have been drawn and built. All 50 plans are available to buy for less than \$1 each on a DVD in both High resolution PDF and CAD DWG files for easy editing of the plans. Go to <http://pdfgarages.com> to download the high resolution catalog or purchase all of these plans in one DVD or purchase plans individually.

Download higher resolution pictures at <http://www.9plans.com/over-100-garage-and-barn-plans-in-pdf-jpg-and-dwg/>

Download sample garage plan here

<http://www.sdscad.com/pdf/garagesample.pdf>

Download high resolution house plan catalog here <http://sdsplans.com/100houseplans.pdf>

Download full sample house plan <http://www.sdsplans.com/wp-content/uploads/2012/04/H267-BJ-Custom-Spec-Sample.pdf>

Garage Main Floor Plan

Custom 24 x 30' Garage Plan
Honor Built Construction Plan Available

By EDS-CAD Specialized Design Systems

Page 1 - This Plan Type Plan
Page 2 - Foundation Plan & Notes
Page 3 - Foundation Plan & Notes
Page 4 - Foundation Plan & Notes
Page 5 - Foundation Plan & Notes
Page 6 - Foundation Plan & Notes

REAR ELEVATION

LEFT ELEVATION

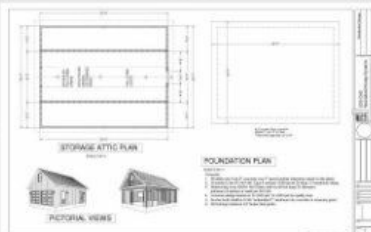
FRONT ELEVATION

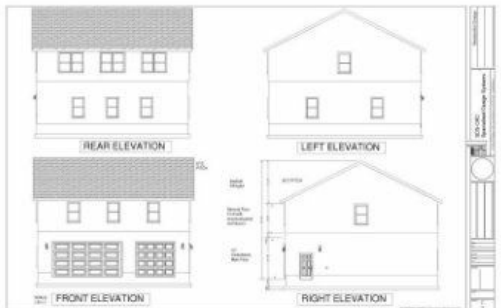
RIGHT ELEVATION

PICTORIAL VIEWS

FOUNDATION PLAN

WALL FRAMING SECTIONS



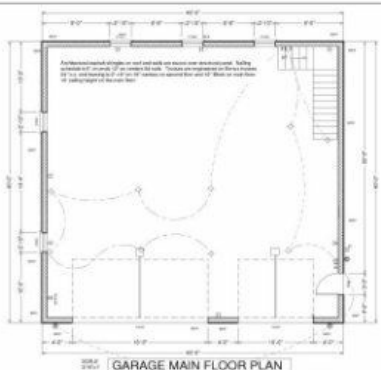


This is a preliminary rendering and does not represent a final design. It is intended to provide a general idea of the proposed structure and its location on the property. The actual design and construction of the building will be subject to the requirements of the local building department and the final design will be provided to the client upon completion of the design process.

BUILDING CONTRACTOR'S COMMENTS:
TO VIEW AND VERIFY ALL DIMENSIONS, NOTES AND CONSTRUCTION REQUIREMENTS, CONTACT US AT 800-888-8888, OR VISIT OUR WEBSITE, WWW.800-888-8888.COM.

#G482 Plans, 40' x 40' x 10' detached garage with bonus room by 800-CAD Specialized Design Systems.

- Page 1 - Two View Floor Plan
- Page 2 - Elevation Views
- Page 3 - Foundation Plan & Details
- Page 4 - Framing and Details
- Page 5 - Detail Page
- Page 6 - General Details
- Page 7 - Materials List



800-CAD Specialized Design Systems

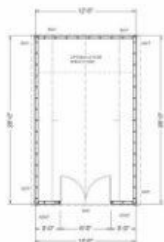




#G484 12 x 20 x 8 Gambrel Shed
By SDS-CAD Specialized Design Systems

Page 1	The Main Text Map
Page 2	Navigation Icons
Page 3	How Map 4 is Produced
Page 4	Training and Goals
Page 5	Global Issues and Objectives

These guidelines suggest we should avoid using "floating" numbers in our code. If we cannot avoid floating-point numbers, we should use the `float` or `double` type.

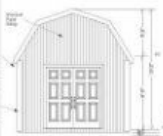


BARN MAIN FLOOR PLAN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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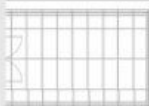
REAR ELEVATION

LEFT ELEVATION



FRONT ELEVATION

RIGHT ELEVATION



WALL FRAMING SECTIONS

Summary topics:

1. **How is water used in the cell?**
 - a. **Water is used in the cell for:**
 - i. **Hydrolysis reactions** (e.g. breaking down of polymers into monomers)
 - ii. **Transport** (e.g. moving substances in and out of the cell)
 - iii. **Temperature regulation** (e.g. sweating)
 - iv. **As a solvent** (e.g. dissolving substances)
2. **What is the role of water in the cell?**
 - a. **Water is the most abundant molecule in the cell.**
 - b. **It is the most important molecule in the cell.**
 - c. **It is the most important molecule in the cell.**
 - d. **It is the most important molecule in the cell.**
3. **What is the role of water in the cell?**
 - a. **Water is the most abundant molecule in the cell.**
 - b. **It is the most important molecule in the cell.**
 - c. **It is the most important molecule in the cell.**
 - d. **It is the most important molecule in the cell.**
4. **What is the role of water in the cell?**
 - a. **Water is the most abundant molecule in the cell.**
 - b. **It is the most important molecule in the cell.**
 - c. **It is the most important molecule in the cell.**
 - d. **It is the most important molecule in the cell.**
5. **What is the role of water in the cell?**
 - a. **Water is the most abundant molecule in the cell.**
 - b. **It is the most important molecule in the cell.**
 - c. **It is the most important molecule in the cell.**
 - d. **It is the most important molecule in the cell.**
6. **What is the role of water in the cell?**
 - a. **Water is the most abundant molecule in the cell.**
 - b. **It is the most important molecule in the cell.**
 - c. **It is the most important molecule in the cell.**
 - d. **It is the most important molecule in the cell.**
7. **What is the role of water in the cell?**
 - a. **Water is the most abundant molecule in the cell.**
 - b. **It is the most important molecule in the cell.**
 - c. **It is the most important molecule in the cell.**
 - d. **It is the most important molecule in the cell.**
8. **What is the role of water in the cell?**
 - a. **Water is the most abundant molecule in the cell.**
 - b. **It is the most important molecule in the cell.**
 - c. **It is the most important molecule in the cell.**
 - d. **It is the most important molecule in the cell.**
9. **What is the role of water in the cell?**
 - a. **Water is the most abundant molecule in the cell.**
 - b. **It is the most important molecule in the cell.**
 - c. **It is the most important molecule in the cell.**
 - d. **It is the most important molecule in the cell.**
10. **What is the role of water in the cell?**
 - a. **Water is the most abundant molecule in the cell.**
 - b. **It is the most important molecule in the cell.**
 - c. **It is the most important molecule in the cell.**
 - d. **It is the most important molecule in the cell.**

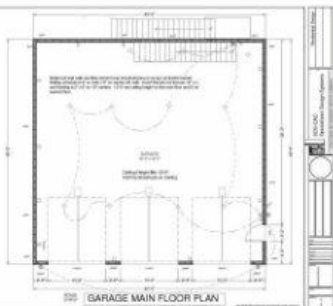
1. I have great thoughts for
 2. The self-made man.
 3. For those who have the will to rise above
 4. The common level of the world.
 5. For those who have the courage to stand up
 6. For those who have the strength to stand up
 7. For those who have the power to stand up
 8. For those who have the will to stand up
 9. For those who have the strength to stand up
 10. For those who have the power to stand up



As the owner, you are responsible for obtaining all necessary permits and approvals from the local building department. The design is based on the information provided and is not intended to be a final construction document. The design is for informational purposes only and is not intended to be a final construction document. The design is for informational purposes only and is not intended to be a final construction document.

General Note: 48' x 48' x 12'0"
General Note: 48' x 48' x 12'0"
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Page 1	General Note
Page 2	General Note
Page 3	General Note
Page 4	General Note
Page 5	General Note
Page 6	General Note
Page 7	General Note
Page 8	General Note
Page 9	General Note
Page 10	General Note



000 GARAGE MAIN FLOOR PLAN



SECOND FLOOR PLAN

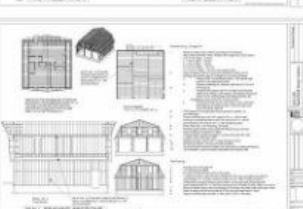
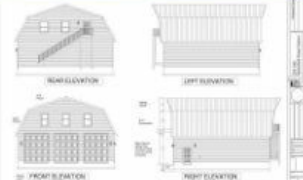
NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
1	1st Floor Concrete Slab	1	SQ YD	12.00	12.00
2	2nd Floor Concrete Slab	1	SQ YD	12.00	12.00
3	Foundation	1	SQ YD	12.00	12.00
4	Roofing	1	SQ YD	12.00	12.00
5	Exterior Siding	1	SQ YD	12.00	12.00
6	Interior Siding	1	SQ YD	12.00	12.00
7	Windows	1	SQ YD	12.00	12.00
8	Doors	1	SQ YD	12.00	12.00
9	Stairs	1	SQ YD	12.00	12.00
10	Handrails	1	SQ YD	12.00	12.00
11	Lighting	1	SQ YD	12.00	12.00
12	Plumbing	1	SQ YD	12.00	12.00
13	Electrical	1	SQ YD	12.00	12.00
14	Paint	1	SQ YD	12.00	12.00
15	Trim	1	SQ YD	12.00	12.00
16	Hardware	1	SQ YD	12.00	12.00
17	Finishes	1	SQ YD	12.00	12.00
18	Other	1	SQ YD	12.00	12.00
19	Subtotal				12.00
20	Total				12.00

- Notes:
1. All notes are to be read in conjunction with the plans.
 2. All notes are to be read in conjunction with the plans.
 3. All notes are to be read in conjunction with the plans.



FOUNDATION PLAN

000 GARAGE MAIN FLOOR PLAN







EXTERIOR FINISHES: EXTERIOR FINISHES: 1. Siding: 2. Trim: 3. Windows: 4. Doors: 5. Garage Door: 6. Foundation: 7. Roof: 8. Gutters: 9. Downspouts: 10. Electrical: 11. Plumbing: 12. HVAC: 13. Insulation: 14. Drywall: 15. Paint: 16. Flooring: 17. Stairs: 18. Handrails: 19. Balustrade: 20. Fencing: 21. Landscaping: 22. Irrigation: 23. Lighting: 24. Security: 25. Fire: 26. Sound: 27. Vibration: 28. Air: 29. Water: 30. Gas: 31. Electric: 32. Mechanical: 33. Structural: 34. Foundation: 35. Roof: 36. Gutters: 37. Downspouts: 38. Electrical: 39. Plumbing: 40. HVAC: 41. Insulation: 42. Drywall: 43. Paint: 44. Flooring: 45. Stairs: 46. Handrails: 47. Balustrade: 48. Fencing: 49. Landscaping: 50. Irrigation: 51. Lighting: 52. Security: 53. Fire: 54. Sound: 55. Vibration: 56. Air: 57. Water: 58. Gas: 59. Electric: 60. Mechanical: 61. Structural: 62. Foundation: 63. Roof: 64. Gutters: 65. Downspouts: 66. Electrical: 67. Plumbing: 68. HVAC: 69. Insulation: 70. Drywall: 71. Paint: 72. Flooring: 73. 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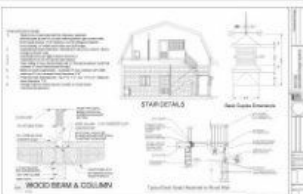


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SECOND FLOOR PLAN



These drawings are prepared for the use of the client and are not to be used for any other purpose without the written consent of the designer. The designer is not responsible for any errors or omissions in these drawings.

GARAGE MAIN FLOOR PLAN

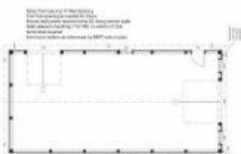
Custom 24 X 30 - 10' Pole Garage Plan
Plan #5511
By BDS-CAD Specialized Design Systems

Page 1 - Main Floor Plan
Page 2 - Elevation Views
Page 3 - Foundation & Footings
Page 4 - Framing & Joists
Page 5 - Details

Building Information
Project Name: Custom 24 X 30 - 10' Pole Garage
Project Location: [Redacted]
Project Date: 10/10/2023
Project Status: [Redacted]



PICTORIAL VIEWS



POST PLAN

1. All walls are 10' high and 10' wide.
2. All walls are 10' high and 10' wide.
3. All walls are 10' high and 10' wide.
4. All walls are 10' high and 10' wide.
5. All walls are 10' high and 10' wide.
6. All walls are 10' high and 10' wide.
7. All walls are 10' high and 10' wide.
8. All walls are 10' high and 10' wide.
9. All walls are 10' high and 10' wide.
10. All walls are 10' high and 10' wide.



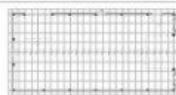
REAR ELEVATION

LEFT ELEVATION



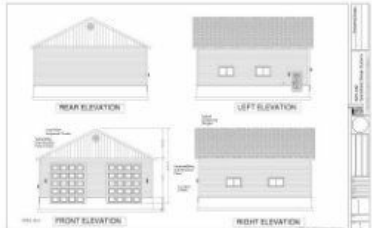
FRONT ELEVATION

RIGHT ELEVATION

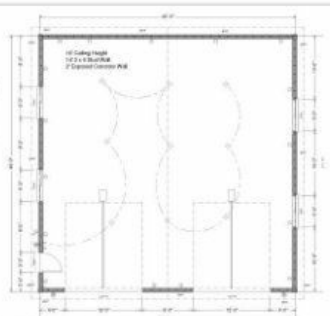


WALL FRAMING SECTIONS

Notes:
1. All walls are 10' high and 10' wide.
2. All walls are 10' high and 10' wide.
3. All walls are 10' high and 10' wide.
4. All walls are 10' high and 10' wide.
5. All walls are 10' high and 10' wide.
6. All walls are 10' high and 10' wide.
7. All walls are 10' high and 10' wide.
8. All walls are 10' high and 10' wide.
9. All walls are 10' high and 10' wide.
10. All walls are 10' high and 10' wide.



Continuous data are analysed using the following statistical procedures: testing whether D' is zero (D' is non-zero), Fisher's permutation test (D' and $\log_{10}(D')$) and Spearman's ρ (D' and $\log_{10}(D')$).



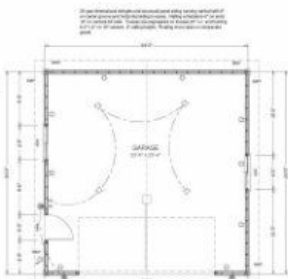
GARAGE MAIN FLOOR PLAN

By BGS CAN Design Systems





THIS GARAGE DESIGN IS A GENERAL REPRESENTATION OF THE DESIGN. IT IS NOT A CONTRACT DOCUMENT. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF THE DESIGN. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF THE DESIGN. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR VERIFYING THE ACCURACY OF THE DESIGN.



GARAGE MAIN FLOOR PLAN



FOUNDATION PLAN

- NOTES:
1. All walls shall be 8" concrete with 8" poured concrete foundation below on the slab.
 2. Foundation for the 24' x 24' garage shall be 8" concrete with 8" poured concrete below on the slab.
 3. Foundation for the 24' x 24' garage shall be 8" concrete with 8" poured concrete below on the slab.
 4. Foundation for the 24' x 24' garage shall be 8" concrete with 8" poured concrete below on the slab.
 5. Foundation for the 24' x 24' garage shall be 8" concrete with 8" poured concrete below on the slab.
 6. Foundation for the 24' x 24' garage shall be 8" concrete with 8" poured concrete below on the slab.
 7. Foundation for the 24' x 24' garage shall be 8" concrete with 8" poured concrete below on the slab.
 8. Foundation for the 24' x 24' garage shall be 8" concrete with 8" poured concrete below on the slab.
 9. Foundation for the 24' x 24' garage shall be 8" concrete with 8" poured concrete below on the slab.
 10. Foundation for the 24' x 24' garage shall be 8" concrete with 8" poured concrete below on the slab.

PICTORIALS



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION



It is the owner's responsibility to obtain all necessary permits and approvals from the local building department. The owner is responsible for obtaining all necessary permits and approvals from the local building department. The owner is responsible for obtaining all necessary permits and approvals from the local building department.

#00201 10 x 24 - 8' Garage Plan
By SDA-CAD Specialized Design Systems

Page 1: Plan View
Page 2: Section View
Page 3: Foundation Plan
Page 4: Elevation View
Page 5: Detail View
Page 6: Notes



GARAGE MAIN FLOOR PLAN

10' x 24' x 8'



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION

10' x 24' x 8'



PICTORIALS



FOUNDATION PLAN

1. Foundation Plan
2. Foundation Plan
3. Foundation Plan
4. Foundation Plan
5. Foundation Plan
6. Foundation Plan
7. Foundation Plan
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9. Foundation Plan
10. Foundation Plan



WALL FRAMING SECTIONS

1. Wall Framing Section
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THIS BARN CONSTRUCTION PLAN IS FOR A 20' x 34' BARN. ALL DIMENSIONS ARE IN FEET AND INCHES. THIS PLAN IS FOR A 20' x 34' BARN. ALL DIMENSIONS ARE IN FEET AND INCHES. THIS PLAN IS FOR A 20' x 34' BARN. ALL DIMENSIONS ARE IN FEET AND INCHES.

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40524 20' x 34' Gambrel Barn Plans
By SCS-CAD Specialized Design Systems

Page	Top Main Floor Plan
Page	Front Elevation
Page	Front Elevation & Section
Page	Front Elevation & Section
Page	Front Elevation
Page	Front Elevation



BARN MAIN FLOOR PLAN



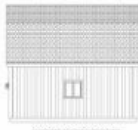
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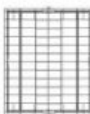
LEFT ELEVATION



FRONT ELEVATION



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WALL FRAMING SECTION
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WALL FRAMING SECTION



FRONT ELEVATION

Wall Framing

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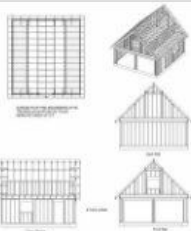
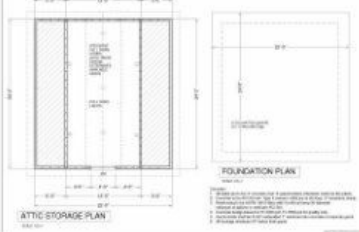
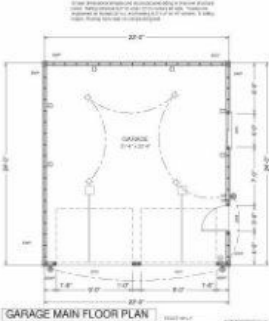
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Building Information:
 - Structure: Single-Story Garage
 - Foundation: Concrete Slab
 - Roof: Asphalt/Flt Shingles
 - Siding: Horizontal Siding
 - Windows: 1x6 Double Hung
 - Doors: 2x8 Double Hung
 - Garage: 2x8 Double Hung
 - Notes: See notes on drawings for details.
 - Foundation: See notes on drawings for details.
 - Roof: See notes on drawings for details.
 - Siding: See notes on drawings for details.
 - Windows: See notes on drawings for details.
 - Doors: See notes on drawings for details.
 - Garage: See notes on drawings for details.

87526 22 x 24 - 8' Garage Plan With Loft
 By SED-CAD Specialized Design Systems



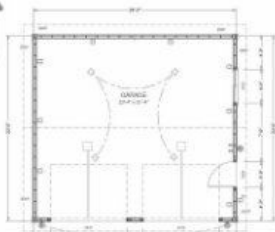
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25 mm diameter flanges with 16 radial cooling fins having radii of 17 or 20 mm, gross and net cross-sectional areas of 100 and 80 mm², and mass of 12 and 10 mm respectively. The fins are spaced at 180° and 120° and having 1.5 and 1.2 mm thickness. The flange height, flange mass, and fin spacing are compared in Table 1.

THIS FIRM SPECIALIZES IN THE DESIGN OF ALL TYPES OF VERTICAL LIFTING DEVICES, SPACES, AND CONNECTIONS BEFORE CONSTRUCTION BEGINS. GARAGE TO BE BUILT AS PER PLAN SET FOR CONCRETE LIFT, 100%.

[illegible]

GARAGE MAIN FLOOR PLAN



FUNCTION VALUES



FOUNDATION PLAN

[illegible]

Investigating the Impact of

1. The first step is to identify the problem. This involves understanding the symptoms and the context in which they are occurring.

2. The second step is to gather information. This includes looking at the data, talking to the people involved, and reviewing any relevant documents.

3. The third step is to analyze the information. This involves looking for patterns, identifying the root cause, and determining the scope of the problem.

4. The fourth step is to develop a solution. This involves brainstorming ideas, evaluating the options, and choosing the best one.

5. The fifth step is to implement the solution. This involves putting the plan into action, monitoring progress, and making adjustments as needed.

6. The sixth step is to evaluate the results. This involves comparing the actual outcomes with the expected ones, identifying any gaps, and determining the next steps.

7. The seventh step is to communicate the results. This involves sharing the findings with the relevant stakeholders, providing feedback, and documenting the process.

8. The eighth step is to review the process. This involves reflecting on the experience, identifying lessons learned, and making improvements for the future.



WALL FRAMING SECTIONS

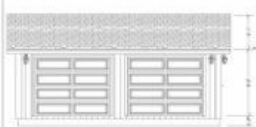
Key Words:

aggression; children; gender differences; social skills training



REAR ELEVATION

LEFT ELEVATION



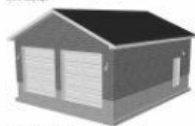
FRONT ELEVATION



RIGHT ELEVATION



Read and follow all instructions carefully. All dimensions are in feet and inches. All materials are to be used as specified. All materials are to be used as specified. All materials are to be used as specified.



BUILDING INFORMATION SYSTEM
 1. Project Name: Garage
 2. Project Number: 1000
 3. Project Location: 1000
 4. Project Date: 1000

GENERAL NOTES
 1. All dimensions are in feet and inches.
 2. All materials are to be used as specified.
 3. All materials are to be used as specified.
 4. All materials are to be used as specified.

#2531 Garage 28 X 34 X 12
 By SOS-CAD Specialized Design Systems

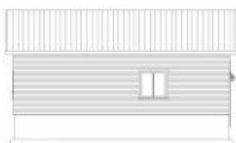
Page 1 - Title Page
Page 2 - General Notes
Page 3 - Foundation Plan & Details
Page 4 - Framing & Details
Page 5 - Roofing
Page 6 - Siding
Page 7 - Windows & Doors



GARAGE MAIN FLOOR PLAN



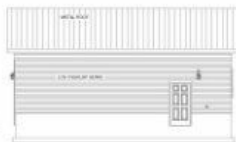
REAR ELEVATION



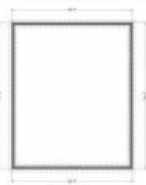
LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION



FOUNDATION PLAN



WALL FRAMING SECTIONS
 1. All dimensions are in feet and inches.
 2. All materials are to be used as specified.
 3. All materials are to be used as specified.
 4. All materials are to be used as specified.



WALL FRAMING SECTIONS
 1. All dimensions are in feet and inches.
 2. All materials are to be used as specified.
 3. All materials are to be used as specified.
 4. All materials are to be used as specified.



Students are asked to graph the function $f(x) = \sin(x)$ on the interval $[0, 2\pi]$. They are then asked to find the area under the curve. The area is given by the integral $\int_0^{2\pi} \sin(x) dx$. The integral is evaluated as follows:



225 GARAGE MAIN FLOOR PLAN

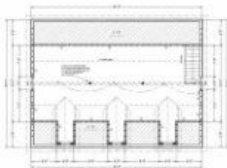
For anyone in any design discipline, there are some common, generally applicable, and, in fact, extremely important, guidelines that can improve your design process. Although they are presented in the order in which I will address them, it is important to understand that they are all equally important and interdependent. Addressing only one of the mentioned guidelines without the others will not only be ineffective, but it will also be inefficient. Addressing all of them will, however, be effective and efficient. The guidelines are:

1. **Define the problem.** Before you can solve a problem, you must first define it. This is not a simple task, but it is a necessary one. It is the foundation of the design process. It is the first step in the design process. It is the first step in the design process. It is the first step in the design process.

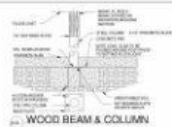
EXCLUDED CONTRACTORS CAN CONTACT
FBI BUREAU AND REPORT ALL INFORMATION.
SPECIAL AND OPERATIONAL BUREAU
CONSTRUCTION DIVISION, BUREAU OF
BUILT AND REPAIRING, LLC OR CHARTER CODE, COT

WG532 30 x 40 x 10' detached garage with bonus room
By SDS-CAD Specialized Design Systems

Page 1	Title, Main Floor Plan
Page 2	Foundation Plans
Page 3	Foundation Plan & Materials
Page 4	Framing and Details
Page 5	Detail Page
Page 6	Material List
Page 7	Material List Cont.



BONUS ROOM

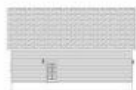


WOOD BEAM & COLUMN



FOUNDATION PLAN

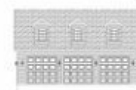
1. All units are to be 17' maximum over 17' ground unless otherwise noted on the plans.
2. Positive loads shall be 4.5K' undisturbed 17' maximum into concrete or masonry grade.
3. All loadings minimum 20' below final grade, or as per final grade.



REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION



WALL FRAMING SECTIONS

Question 10 (10 Marks)
The following table shows the results of a survey of 100 people who were asked to rate their satisfaction with their current job on a scale of 1 to 5, where 1 is 'Very Dissatisfied' and 5 is 'Very Satisfied'. The results are as follows:

Satisfaction Level	Number of People
1 (Very Dissatisfied)	10
2 (Dissatisfied)	20
3 (Neutral)	30
4 (Satisfied)	25
5 (Very Satisfied)	15

Based on the above data, calculate the following:

- The mean satisfaction level.
- The standard deviation of the satisfaction levels.
- The probability that a randomly selected person is 'Very Satisfied' (rating 5).
- The probability that a randomly selected person is 'Dissatisfied' (rating 2) or 'Very Dissatisfied' (rating 1).

Question 11 (10 Marks)
A company is considering two investment options, A and B. The expected cash flows for each option over a 3-year period are as follows:

Year	Option A (€)	Option B (€)
Year 1	100,000	120,000
Year 2	150,000	180,000
Year 3	200,000	250,000

The initial investment for both options is €500,000. The discount rate is 10% per annum. Calculate the Net Present Value (NPV) for each option and recommend the best investment based on the NPV calculation.



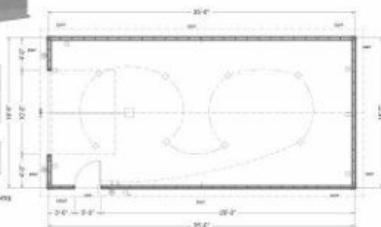
30 year dimensional Douglas fir Mass Ply and long dimensional
siding with finished sheathing. Siding outside 4" x 8" at 16" o/c
1/2" air cavity for rains. Trusses are engineered on 20' and
spanning 4.2' x 4' on 16' o/c. 1" eave height.

Traditional policy strategies have often been aimed at making all women's work conditions comparable and have therefore neglected their own voluntary work and its impact on the women's own and family's experience and responsibility. The article discusses voluntary work and its impact on women's experience. It identifies a new dimension of women's participation strategies. While many other authors mention the importance of voluntary work for women, the article also points to the importance of taking young women into account in the development of women's work and strategies for sustainable and voluntary participation. For this reason, the author's main conclusion is that the development of a sustainable participation strategy should be differentiated by looking at a certain target group.

SEIZING CONTRACTORS' POWER TO PENETRATE AND REPAIR ALL DAMPNESS, SPECS. AND CONNECTIONS BEFORE CONSTRUCTION BEGINS. HARMON TO BE BUILT IN FLORIDA; SEE COMMENT 12/04/00

Ag503 18 x 35 x 10 Garage Plans
By SOG-CAD Specialized Design Systems

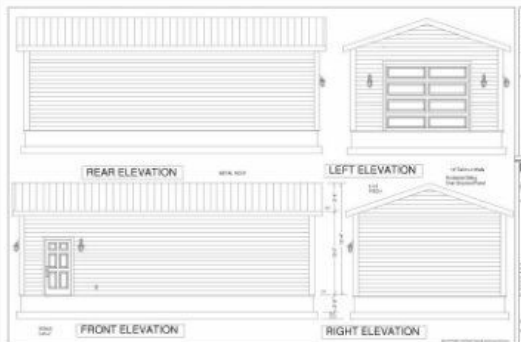
Page 1	Title Sheet-First Page
Page 2	Declaration sheet
Page 3	Foundation Plan & Footings
Page 4	Roofing and Ceilings
Page 5	Detail Page
Page 6	Materials List



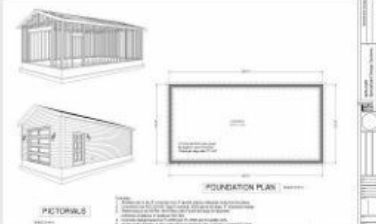
GARAGE MAIN FLOOR PLAN



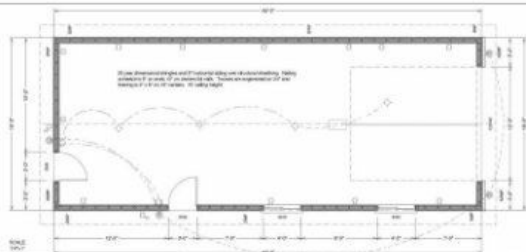
WALL TRAINING SECTIONS



FOUNDATION PLAN 1000



FACTORS



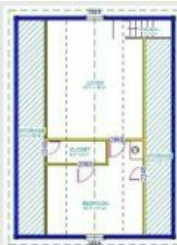
GARAGE MAIN FLOOR PLAN

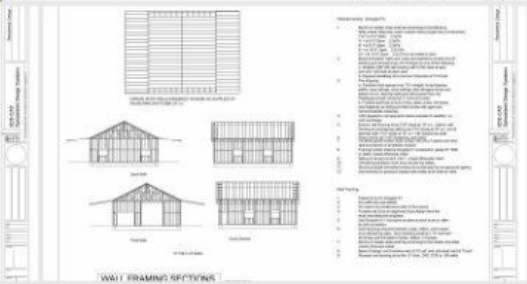
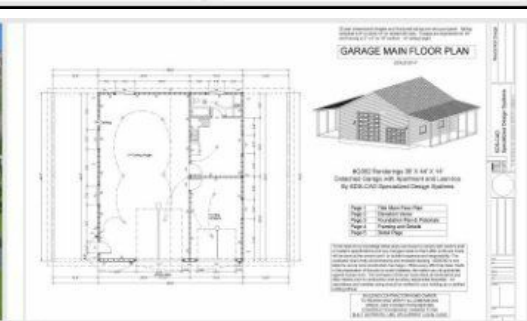
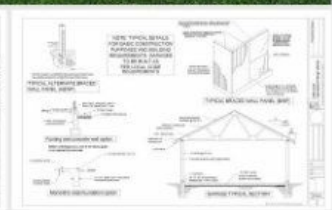
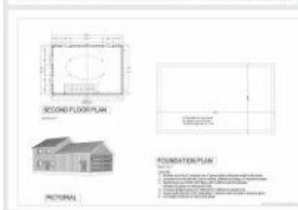
80646 16' X 45' - 16' RV Garage Plans
By SDC-CAD Specialized Design Systems

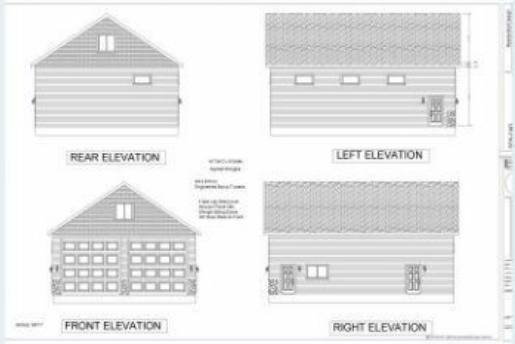
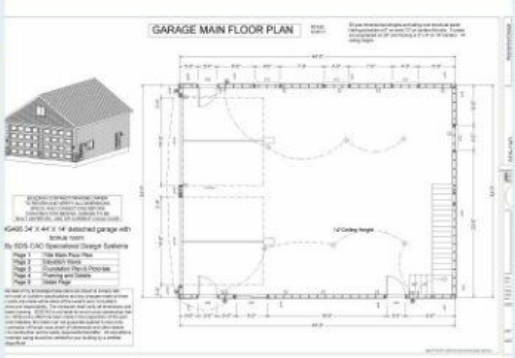
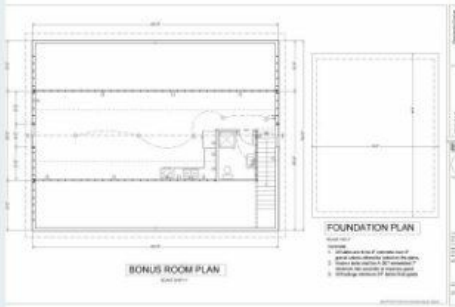
- Page 1 Title Main Floor Plan
- Page 2 Elevation Views
- Page 3 Foundation Plan & Details
- Page 4 Framing Plan & Details
- Page 5 Detail Page
- Page 6 Material List

THE BUYER REPRESENTS THAT THIS PLAN IS FOR CONCEPTUAL USE ONLY and is not intended to be used for construction. The Buyer agrees to hold the Designer harmless from and against all claims, damages, and expenses, including reasonable attorney's fees, arising from the use of this plan for any purpose other than that intended by the Designer.

RESOLVING CONTRACTOR/OWNER DISPUTES:
To resolve any dispute, the Owner and Contractor shall attempt to resolve the dispute through mediation. If mediation fails, the dispute shall be resolved by arbitration. The arbitration shall be conducted by the American Arbitration Association (AAA) in accordance with its rules of procedure. The arbitration shall be held in the county of the Designer's principal place of business.

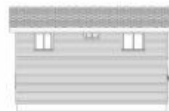








REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION



3418 28 x 36 x 9 detached garage with 2nd story
By SDG-CAD Specialized Design Systems

3418 28 x 36 x 9 detached garage with 2nd story
By SDG-CAD Specialized Design Systems

PAGE 1 - This floor plan
PAGE 2 - Foundation Plan
PAGE 3 - Foundation Plan
PAGE 4 - Foundation Plan

3418 28 x 36 x 9 detached garage with 2nd story
By SDG-CAD Specialized Design Systems



GARAGE MAIN FLOOR PLAN

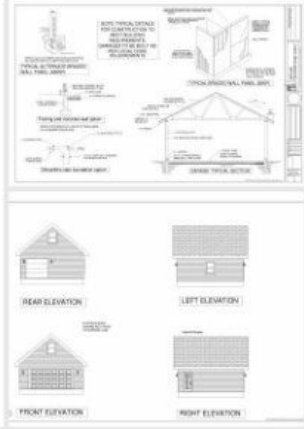
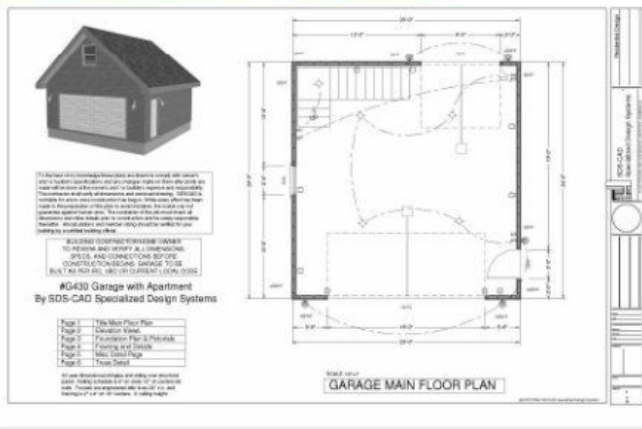
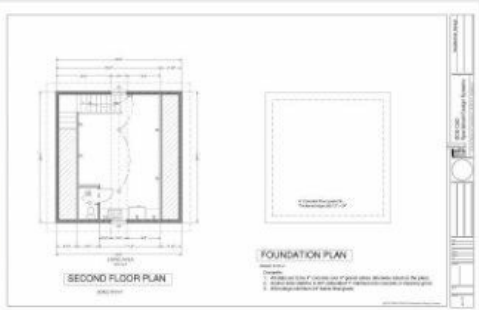


SECOND FLOOR PLAN



FOUNDATION PLAN

3418 28 x 36 x 9 detached garage with 2nd story
By SDG-CAD Specialized Design Systems





REAR ELEVATION



LEFT ELEVATION



FRONT ELEVATION



RIGHT ELEVATION

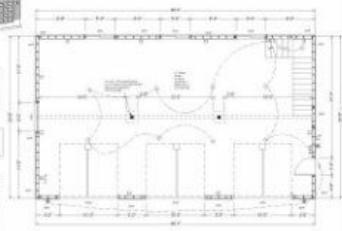


Architect's drawings are prepared for the purpose of providing information only. They are not to be used for construction or for any other purpose without the written consent of the architect. The architect is not responsible for the accuracy of the information provided in these drawings. The architect is not responsible for the accuracy of the information provided in these drawings. The architect is not responsible for the accuracy of the information provided in these drawings.

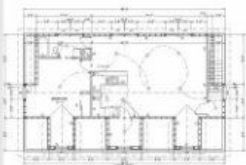
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GARAGE MAIN FLOOR PLAN



BONUS ROOM

Room	Area	Volume
Bonus Room	1,200 sq. ft.	12,000 cu. ft.
Garage	1,200 sq. ft.	12,000 cu. ft.
Total	2,400 sq. ft.	24,000 cu. ft.

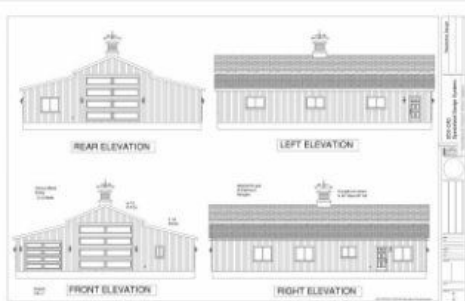


WOOD BEAM & COLUMN



FOUNDATION PLAN

Architect's drawings are prepared for the purpose of providing information only. They are not to be used for construction or for any other purpose without the written consent of the architect. The architect is not responsible for the accuracy of the information provided in these drawings. The architect is not responsible for the accuracy of the information provided in these drawings. The architect is not responsible for the accuracy of the information provided in these drawings.



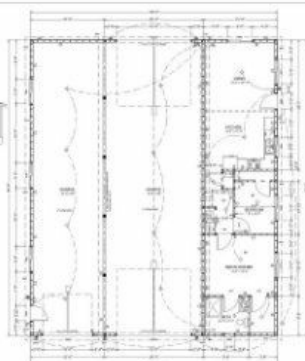
X and *Y* represent single and double bonds, being two for each coupling. *N* is number of *T* or *F* in system, 30 runs. *T* and *F* represent true and false, *T* or *F* is *T* or *F* in *N* system. *L* is coupling length, 100. *M* is coupling length, 100.

**BUILDING CONTRACTORS HAVE
TO CHECK AND VERIFY ALL DIMENSIONS,
SPEC. AND CONDITIONS BEFORE
CONSTRUCTION BEGINS. (COURTESY OF
THE U.S. AIR FORCE)**

[illegible]

52' x 60' - 2' Sides 14' Center Garage Plan
With Apartment Plan #g450
By SDS-CAD Specialized Design Systems

Page 1	Title Sheet/Place Plot
Page 2	Reminders/Vision
Page 3	Foundation Plan & Materials
Page 4	Framing and Details
Page 5	Detail Page

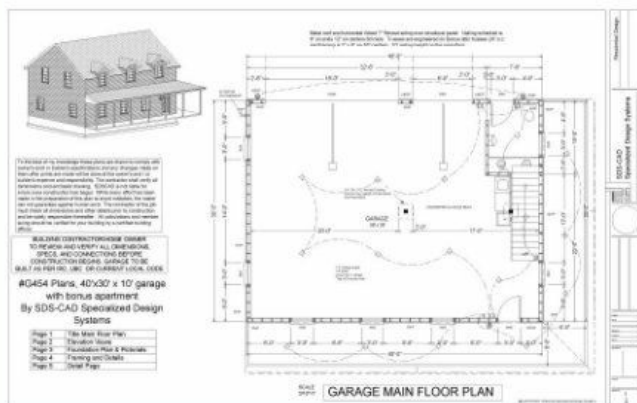
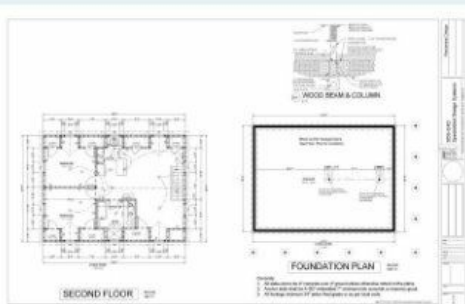


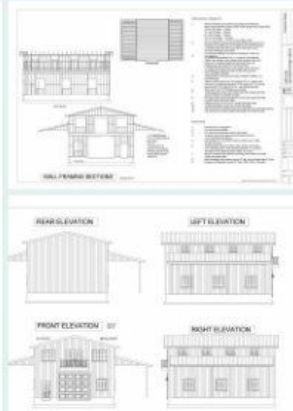
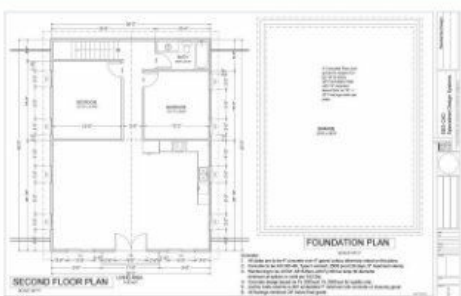
GARAGE MAIN FLOOR PLAN

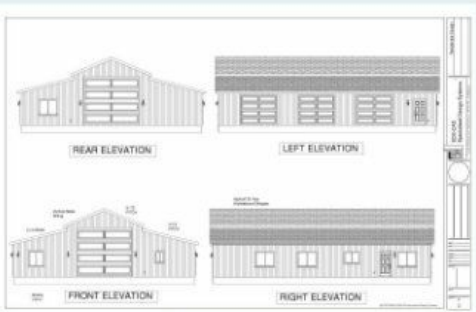
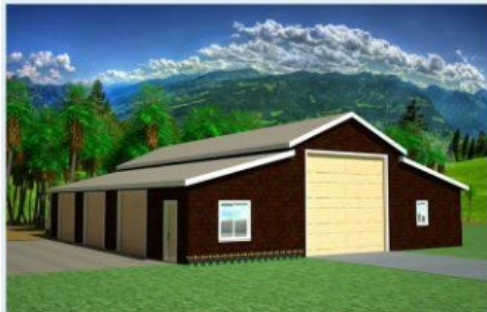
50% CAD Specialized Design Systems	Systemic Design
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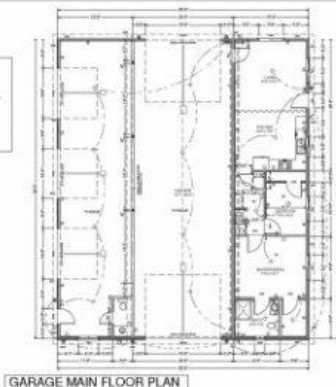


BUILDING CONTRACTOR/OWNER
 TO REVIEW AND SIGNIFY ALL DIMENSIONS,
 FINISHES, AND CONNECTIONS SHOWN
 ON THIS SET OF DRAWINGS. SIGNATURE: _____
 DATE: _____

NO PART OF THIS DRAWING SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS. THE DESIGNER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY OTHERS.

50' x 60' - 9' Sides 14' Center Garage Plan
G471: Apartment Barn Style
 By SDS-CAD Specialized Design Systems

Page 1: Plan and Section Views
 Page 2: General Notes
 Page 3: Foundation and Footing
 Page 4: Framing and Details
 Page 5: Detail Page



GARAGE MAIN FLOOR PLAN

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 (619) 581-1000
 www.sds-cad.com





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WALL FRAMING SECTIONS

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

- Interdisciplinary Group 1:**
1. **Abstract:** describe what the study is about in the following:
 - a. **Background:** what is the problem? What is the research question?
 - b. **Methods:** how did you do it? (2-3 lines)
 - c. **Results:** what did you find? (2-3 lines)
 - d. **Conclusions:** what is the message? (2-3 lines)
 2. **Introduction:** what is the problem? what is the research question? (2-3 lines)
 3. **Methods:** how did you do it? (2-3 lines)
 4. **Results:** what did you find? (2-3 lines)
 5. **Conclusions:** what is the message? (2-3 lines)
 6. **Discussion:** what is the message? (2-3 lines)
 7. **References:** what is the message? (2-3 lines)
 8. **Appendix:** what is the message? (2-3 lines)
 9. **Supplementary material:** what is the message? (2-3 lines)
 10. **Other:** what is the message? (2-3 lines)

Self-Review

1. How do you think you will perform in this course?
2. How do you think you will perform in this course?
3. How do you think you will perform in this course?
4. How do you think you will perform in this course?
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8. How do you think you will perform in this course?
9. How do you think you will perform in this course?
10. How do you think you will perform in this course?



REAR ELEVATION



FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



SEE S&P CONTRACTOR/OWNER
TO REVIEW AND VERIFY ALL DIMENSIONS,
SPEC'S, AND CONNECTIONS BEFORE
CONSTRUCTION BEGINS. HARN TO BE
TAKEN FOR THE NEW OR CURRENT LOCAL CODE

To the best of my knowledge and belief, there is no conflict of interest with myself or my family's participation, and any changes made on these data points are made only to best fit the scenario and the behavior appears and is responsible. The court report that each of these items is not a direct finding. TDSAP is a voluntary to assess every participant has signed. For the same, affected has been made to the supervisor of division to assist them, the issue can be resolved. I am not a participant. The contents of this report are not a statement and are therefore not to be considered and be responsible for the author. All participants in the study, including the author, are not responsible for the author's contribution to the study, including the author's contribution to the study, including the author's contribution to the study.

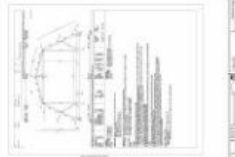
#g537 20 x 24 x 10 Gambrel Barn Plans
By SDS-CAD Specialized Design Systems

Page 1	Title Page
Page 2	Executive Summary
Page 3	Foundation Plan & Pictorial
Page 4	Forming and Details
Page 5	Joint Page
Page 6	Column Forming Detail
Page 7	Materials List

30-year dimensional shrinkage and swelling were observed in swelling. Swelling shrinkage is 4% on both 12° inclination and 0°. There are no significant differences between 12° and 0° inclination for 30 years of service. 30 swelling/shrinkage



BARN MAIN FLOOR PLAN



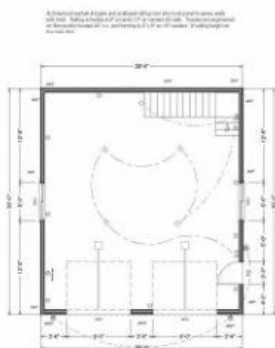


These drawings are intended to provide a visual representation of the proposed design. They are not to be used for construction purposes. The drawings are subject to change without notice. The drawings are not to be used for any other purpose without the written consent of the designer.

BUILDING CONTRACTOR/OWNER
TO REVIEW AND VERIFY ALL DIMENSIONS,
NOTES, AND MATERIALS BEFORE
CONSTRUCTION IS BEGUN. GARAGE TO BE
BUILT TO MEET ALL LOCAL AND NATIONAL CODES.

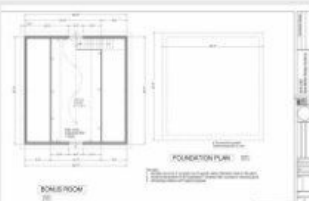
**#0560 Plans 28' x 30' detached garage
with bonus room**
By SOS-CAD Specialized Design Systems

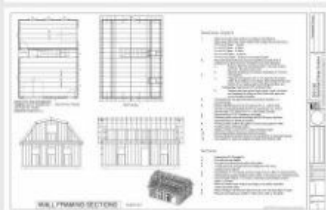
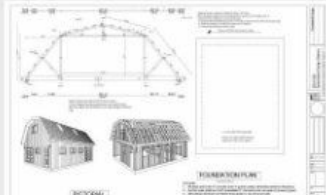
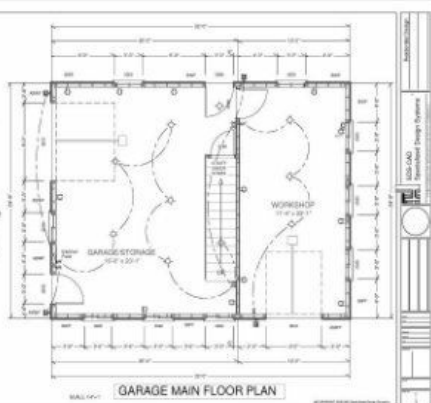
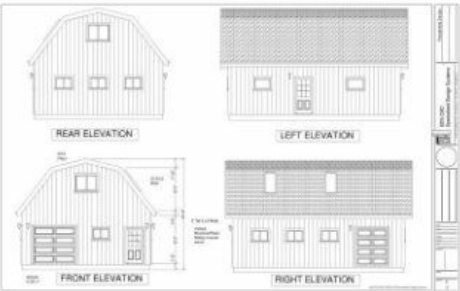
Page 1	Title Sheet, Floor Plan
Page 2	Elevation Views
Page 3	Foundation Plan & Footings
Page 4	Roofing and Details
Page 5	Door Page
Page 6	Main Floor Plan
Page 7	Main Floor Plan



GARAGE MAIN FLOOR PLAN

NOTES
1. ALL DIMENSIONS ARE IN FEET AND INCHES.
2. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.
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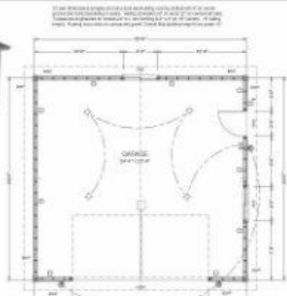




- #0551 24 x 30 - 12 Gambrel Barn
By GDS-CAD Specialized Design Systems
- Page 1 - This Sheet (Floor Plan)
 - Page 2 - Elevation Views
 - Page 3 - Foundation Plan & Sectional
 - Page 4 - Framing and Details
 - Page 5 - Detail Page
 - Page 6 - Second Floor Plan
 - Page 7 - Material List



PLEASE CONSIDER THE FOLLOWING:
 1. ALL DIMENSIONS ARE IN FEET AND INCHES.
 2. ALL DIMENSIONS ARE TO THE OUTSIDE UNLESS NOTED OTHERWISE.
 3. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE DOOR OR WINDOW UNLESS NOTED OTHERWISE.
 4. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE DOOR OR WINDOW UNLESS NOTED OTHERWISE.
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 10. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE DOOR OR WINDOW UNLESS NOTED OTHERWISE.



GARAGE MAIN FLOOR PLAN

#3556 25' x 24' x 10' Garage Plan
 By SCS-CAD Specialized Design Systems

Page 1: Main Floor Plan
 Page 2: Exterior View
 Page 3: Foundation Plan
 Page 4: Wall Framing Sections
 Page 5: Roof Framing Sections
 Page 6: Detail 1
 Page 7: Detail 2

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PICTORIALS



FOUNDATION PLAN

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 2. ALL DIMENSIONS ARE TO THE OUTSIDE UNLESS NOTED OTHERWISE.
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REAR ELEVATION



LEFT ELEVATION

Aerial View



FRONT ELEVATION



RIGHT ELEVATION

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WALL FRAMING SECTIONS

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 3. ALL DIMENSIONS ARE TO THE CENTERLINE OF THE DOOR OR WINDOW UNLESS NOTED OTHERWISE.
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To the best of my knowledge, these plans are drawn to comply with the code of best practice, and any design loads in these plans are based on the best of my knowledge of the owner's and building's requirements. I warrant that this statement shall verify all dimensions and materials as designed. I warrant that I shall be responsible for any construction that begins. While some plans have been made in the preparation of this plan to avoid mistakes, the maker can not guarantee equal human error. The contractor is required to check all dimensions at every design stage. Construction is also the owner's responsibility. All calculations and materials shall therefore be subject to the contractor's best efforts.

Page 1	Title Main Floor Plan
Page 2	Elevation Views
Page 3	Foundation Plan & Floorplans
Page 4	Framing and Details
Page 5	Detail Page
Page 6	Materials List

30-year-old trees and shrubs in a deciduous forest undergoing vertical shift in canopy structure and horizontal origin across a forest subdivide. H⁺ or under 120° or corners 1st rank. H⁺ trees are engaged on trunks 24° or 6 and standing 12° or 6 on H⁺ corners. H⁺ rolling height. H⁺ rolling more stable in compacted soil.




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General		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	122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Links to Download PDF Version of Bonus Plans

G518 24 x 24 x 8 Garage Plans with PDF and DWG

<http://www.sdsplans.com/wp-content/uploads/2013/02/G518-24-x-24-x-8-SDS.pdf>

Download full sample house plan

<http://www.sdsplans.com/wp-content/uploads/2012/04/H267-BJ-Custom-Spec-Sample.pdf>

How to Print Plans

Step 1

Download or Email the plans to yourself or send them to a google drive or dropbox if you have one available.

You may also want to email the plans to a local print store that has the ability to print the plans at 100% scale on 11 x 17 paper.

Step 2

Open the plan file in your email.

Step 3

Send the plans to the printer. If you print the plans to fit on a 8 1/2 x 11 paper printer they will be readable but not to scale.

If you have an 11 x 17 printer you can print the plans to scale at 100%. If not email them to a print store that has those capabilities, if you need full scale plans for building.

Links to Purchase the CAD DWG Version of Plans

G518 24 x 24 x 8 Garage Plans with PDF and DWG

<http://www.sdsplans.com/#!/~/product/category=137769&id=11876427>

Other Garage Plans in our online store

<http://www.sdsplans.com/#!/~/category/id=137769&inview=product11876427&offset=0&sc>

House plans in CAD format can be purchased separately in the store at <http://sdsplans.com>

How to Read Prints - Custom House Plan #h225



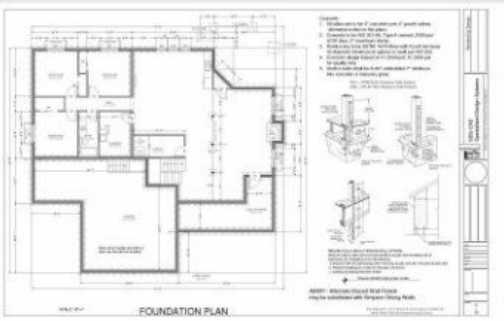
Rendering

This home was designed for a Dentist and his wife. The home turned out to be a beautiful custom home. This first part of the book is a kind of an explanation of what a set of house plans consists of so that you will have a better understanding of what goes into designing homes. The picture above is a 3D model or rendering of what the house will look like with a yard and concrete, just an artist's idea of possibilities. The picture below is a rendering without the surrounding of the actual 3d model of the house trying to visualize different exterior finishes that can be applied. To get a rendering done for your home costs anywhere from fifty to several hundred dollars depending on how realistic you want the renderings to

be.



Model Rendering



Spec Page

The picture above is a Spec Page. Those are put together to give out as plan overviews showing a few of the pages with the floor plans and elevations. That is what this book is all about, it is the spec pages of 100 different house that have been drawn and that are available to purchase the entire working plans on a DVD for easy printing and building of the homes.

2. Fasten to wall by Douglas Fir.
3. For 40ft size see details.
4. For spans and dimensions refer to floor plans.
5. Trusses are to be approved truss design from the truss manufacturer's engineer.
6. Install as per engineers space
7. Use Simpson H-1 hurricane anchors at each truss or refer to wall connection.
8. Solid blocking required between patts, rafters, and trusses over all bearing walls.
9. Solid blocking shall be 1" x 7" minimum thickness and full depth of patts, rafters, or trusses.
10. Minimum header sizes shall be according to the header size table unless otherwise noted.
11. Basis of design roof/live/roof load at 37 psf, and roof dead load of 15 psf.
12. Plywood roof decking to be Min 1/2" thick, 24/0, CDX or 2x solid water.



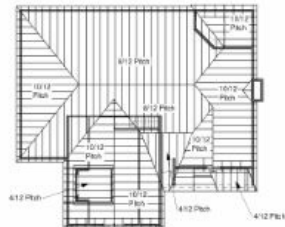
NACAL 1185-1



SEE GENERAL SPECS AND
NOTES FOR FRAMING DETAILS

ROOF FRAMING

25.48 g (0.118 mol)



PRE-ENGINEERED ENERGY TRUSSES AS
SUPPLIED BY TRUSS MANUFACTURER

- Trusses to be 24" O.C.
- Attic access min 22 1/2" x 36" were most convenient.
For all areas greater than 20"
- Vaulted ceiling over family and living room area using vaulted soffit trusses where possible.
- Install all trusses as per truss manufacturer installation guidelines.
- Attic Trusses 10'12 Pitch over garage area for bonus room
10/12 and 8/12 Pitch for main house

1999-2000: 71,175,000; 2000-2001: 70,175,000; 2001-2002: 69,175,000

Play is best fun. Don't lose.

ADS-CAD
Specialized Design Systems

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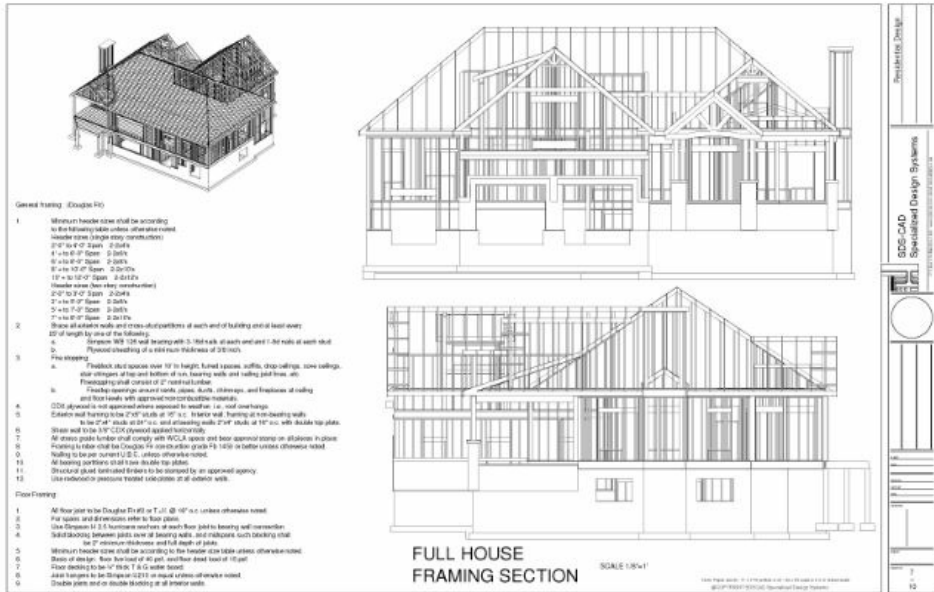
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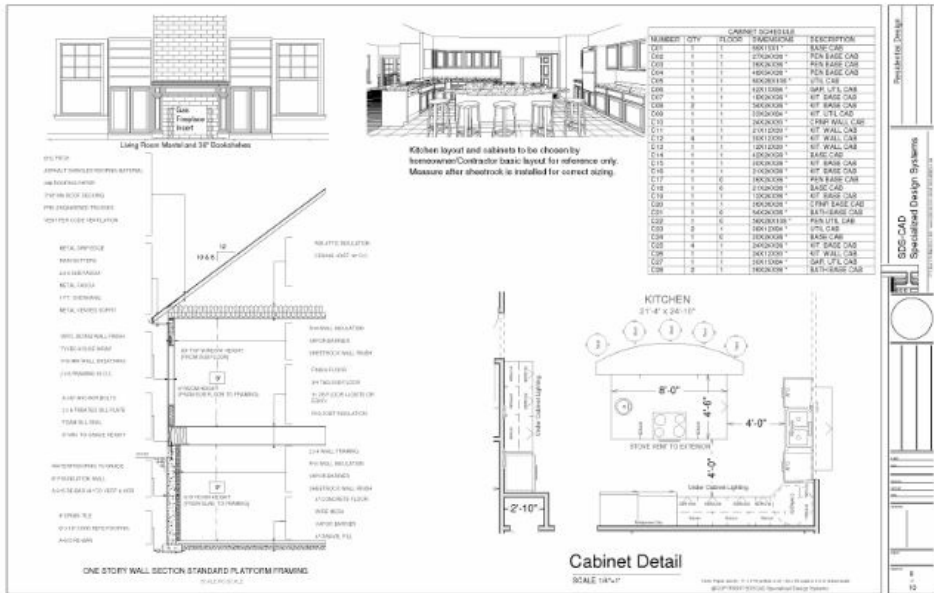
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The detail specification for framing and any bearing walls are also shown on this page.





Cabinet Details and Typical Cross Section Page

The picture above is a detail that shows cabinet details and a schedule of cabinets required. There aren't full cabinet details because most homeowners want to be involved in designing the kitchen with a kitchen designer or cabinet manufacturer.

The full detail section is a cut through of the walls to show what materials are going to be used on the plans.

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Bonus Plan

20' x 24' x 10' Gambrel Barn Plans With Loft



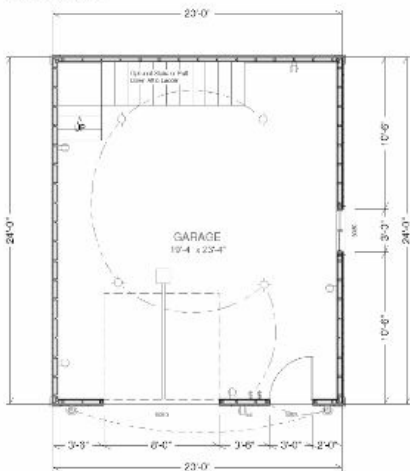
BUILDING CONTRACTOR/HOME OWNER
TO REVIEW AND VERIFY ALL DIMENSIONS,
SPACE, AND CONNECTIONS BEFORE
CONSTRUCTION BEGINS BARN TO BE
BUILT AS PER IRC 2003 OR CURRENT LOCAL CODE

To the best of our knowledge and belief we are issuing this set of plans to a contractor or homeowner for their use only. It is the contractor's responsibility to ensure that all dimensions and specifications are correct and to verify all dimensions and specifications before construction begins. We are not responsible for any errors or omissions that may occur. We are not responsible for any damage or injury that may occur as a result of using these plans. We are not responsible for any damage or injury that may occur as a result of using these plans. We are not responsible for any damage or injury that may occur as a result of using these plans.

#g524 20 x 24 x 10 Gambrel Barn Plans By SDS-CAD Specialized Design Systems

Page 1	Title Main Floor Plan
Page 2	Elevation Views
Page 3	Foundation Plan & Details
Page 4	Framing and Details
Page 5	Detail Page
Page 6	Optional Framing Detail
Page 7	Materials List

30 year dimensional stability and dimensional accuracy. Building sheet scale of 1/8" = 1'-0". Overall exterior dimensions: 20'-0" x 24'-0" x 10'-0". Overall interior dimensions: 19'-4" x 23'-4" x 9'-0".



SCALE: 1/8" = 1'-0"

BARN MAIN FLOOR PLAN

SDS-CAD Specialized Design Systems

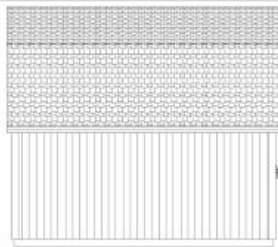




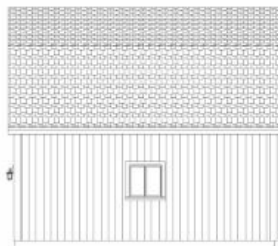
REAR ELEVATION

ROOF
6/12 and 5/12 PITCH
ENGINEERED MANUFACTURED
DWARFEL ATTIC TRUSS
ASPHALT SHINGLES

WALLS
9 TALL 2" X 4" WALLS
VINYL SIDING AS PER OWNER
OVER STRUCTURAL SHEATHING



LEFT ELEVATION



RIGHT ELEVATION



FRONT ELEVATION

SCALE
3/16"=1'

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1/16"=1'

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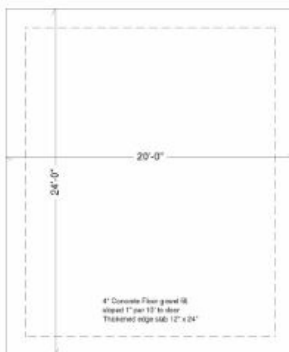
1/16"=1'

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1/16"=1'



PICTORIAL VIEWS



FOUNDATION PLAN

SCALE 1/8"=1'

Concrete

1. All slabs are to be 4" concrete over 4" gravel unless otherwise noted on the plans.
2. Concrete to be ACI 301-66, Type II cement, 2500 psi at 28 days, 0" maximum slump.
3. Reinforcing to be ASTM A615-Bars with Fy=60 ksi temp 36 diameter minimum all splices or weld per ACI 308.
4. Concrete design based on Fc 2000 psi, Fc 2000 psi for quality only.
5. Anchor bolts shall be A-307 embedded 7" minimum into concrete or masonry ground.
6. All footings minimum 24" below final grade.

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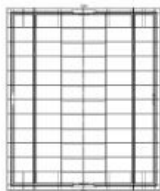
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STAIR SPECIFICATIONS

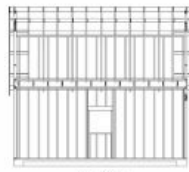
1. Stairs to be constructed with the following material:
Painted plate metal to concrete with expansion tape anchor bolts,
2x12 treads rising 1" 10" minimum, 3x12 stringers required,
2x12 blocking, 1/2" rubber-based clems and 2x12 balusters.
2. Handrails to be 1 1/2" x 4" solid, material and color
to be owner's choice. Design to be per code.
3. Guards to be 42" high minimum from floor
to be owner's choice. Design to be per code.
4. Handrails to be 1 1/2" x 4" solid, material and color
to be owner's choice. Design to be per code.
5. Open railing to have intermediate rail or ornamental
pattern such that a sphere 4" round cannot pass through.
6. Minimum clear measurements: maximum 8" rise, minimum 32" width,
minimum 12" run, minimum head clearance 6'-6".
7. Preferred stair requirements: rise 7 1/2" to 11", run 11" to 12", minimum
head clearance 7'-0".
8. Garage entrance stairs may be concrete or wood as
per contract/owner's request.



GARAGE ROOF PRE-ENGINEERED TRUSSES ARE SUPPLIED BY TRUSS MANUFACTURER. 2" x 4" OR OPTIONAL 2" x 6" STUDS AS DETAIL ON PAGE 7



Side Wall



Cross Section



Front Wall

WALL FRAMING SECTIONS

SCALE: 1/8"=1'

General Framing: (Douglas Fir)

- Maximum header sizes shall be according to the following table unless otherwise noted. Header sizes (single story construction):
2" to 4" x 4" Span: 2-bats
4" to 6" x 4" Span: 2-bats
6" to 8" x 4" Span: 2-bats
8" to 10" x 4" Span: 2-bats
10" to 12" x 4" Span: 2-bats or as noted on plan
- Show all exterior walls and cross at all corners of each end of building and at least every 25' or length to one of the following:
a. Simpson WD 125 wall bracing with 3-16d nails at each end and 1-16d nail at each stud
b. Plywood sheathing of a minimum thickness of 7/16 inch (7/16 sheathing)
c. 2x6 stud spaces over 10' in height, turned spacers, walls, floor ceilings, cone ceilings, other openings at top and bottom of sun, bearing walls and ceiling joist lines, etc.
d. Framing shall consist of 2" nominal lumber
e. Plywood sheathing around vents, pipes, ducts, chimneys, and fireplaces at ceiling and floor levels with approved noncombustible materials.
- CEX plywood is not approved where exposed to weather, i.e., roof overhangs.
- Exterior wall framing to be 2"x4" studs at 16" o.c. Interior wall framing at non-bearing walls to be 2"x4" studs at 24" o.c. and at bearing walls 2"x4" studs at 16" o.c. with double top plates. Other walls to be 2"x6" sheathing, per detail.
- All stress grade lumber shall comply with NDS/A space and bear approval stamp or approval in place.
- Framing lumber shall be Douglas Fir construction grade PB-1450 or better unless otherwise noted.
- Roofing to be per current U.S.C. unless otherwise noted.
- All eave partitions shall have double top plates.
- Structural steel framed partitions to be stamped by an approved agency.
- Use rebarbed or pressure treated sole plates at all exterior walls.

Roof Framing:

- Follow to be 2"x4" Douglas Fir.
- For soffit size see details.
- For spans and dimensions refer to floor plans.
- Trusses are to be an approved truss design from the truss manufacturer's engineer.
- Use Simpson D-11 hurricane anchors at all truss ends or other to wall connection.
- Solid blocking required between piers, rafters, and trusses over all bearing walls.
- Such blocking shall be 1" minimum in thickness and full depth of joist, rafter, or trusses.
- Maximum header sizes shall be according to the header size table unless otherwise noted.
- Size of design roof beams load of 27 psf, and a roof dead load of 15 psf.
- Physical roof decking to be 1/2" thick, 2x6, 2x8, 2x10 or 6x6 walls.

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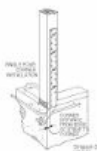
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IF/AND straps for all (ABWP) Alternate Braced Wall Panels. See additional detail for all (ABWP) Braced Wall Panels.

TYPICAL ALTERNATE BRACED WALL PANEL (ABWP)



Footing and concrete wall option

Bottom of footing to be a min of 24" below grade or as required by local code



Monolithic slab foundation option

NOTE: TYPICAL DETAILS FOR CONSTRUCTION TO MEET IRC 2006 REQUIREMENTS. GARAGES TO BE BUILT AS PER LOCAL CODE REQUIREMENTS

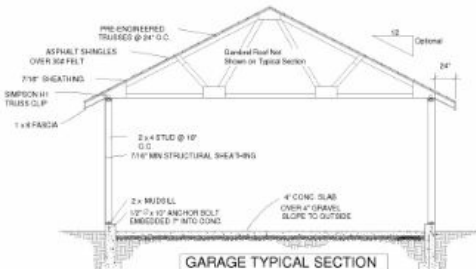
CEX PLYWOOD SHEAR WALL INSTALLED IN LONG-DIRECTION AND CROSS-DIRECTION. STAGGER VERTICAL JOINTS

PANEL ORIENTED HED AS FORMER ORIENTED IN LONG-DIRECTION. PARALLEL TO STUDS

SECOND MATERIAL: STRUCTURAL PANELS MAY ACT AS EXTERIOR OR EXTERIOR GIRDERS



TYPICAL BRACED WALL PANEL (BWP)



GARAGE TYPICAL SECTION

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SNR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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[illegible]

<http://www.sdsplans.com/wp-content/uploads/2013/02/g524-20-x-24-x-8-Gambrel-Barn-Plans.pdf>

Sample Forms you may need in your area for building a garage.

You will need to go to your local building department to determine the actual forms that they require to apply for a building department.

Name of Owner/Builder: Address:

City: State: Zip:

LOCATION OF CONSTRUCTION SITE

Address: City: State: Zip:

Subdivision Name:

CERTIFICATION

I, _____, certify under penalty that the following statements are true and correct and are based upon my understanding of the Utah Construction Trades Licensing Act:

1. I am sole owner of the property and construction project at the above described location;
2. The improvements being placed on the property are intended to be used and will be used for my personal, noncommercial, non public use;
3. I understand that work performed on the project, if it is the type of work which is regulated under the Construction Trades License Act, and Rules of the Contractor's Licensing Board, must be

performed by the following:

- a. myself as the sole owner property; or b. a licensed contractor; or
- c. my employee(s) on whom I have worker's compensation insurance coverage, on whom I withhold and pay all required payroll taxes, and with respect to whom I comply with all other applicable employee/employer laws; or d. any other person working under my supervision as owner/builder to whom no compensation is paid; and

4. I understand that if I retain the services of an unlicensed contractor or compensate an unlicensed person, other than as an employee for wages, to perform construction services for which licensure is required, I may be guilty of a class A misdemeanor and may be additionally subject to an administrative fine in the maximum of \$2,000 for each day on which I violate the law.

Dated this _____ day of _____
20_____

Signature of owner/builder Subscribed and sworn before me this
_____ day of _____ 20____, in the County of
_____,
State of _____.

My
commission expires: _____

SHED / DETACHED

GARAGE

GUIDE

This handout has been created to serve as an information tool to individuals wishing to erect a shed or a detached garage accessory to a single family dwelling. This is intended only as a guide for plan submittal and as an aid to the minimum information needed to submit for an application for a building permit. This is by no means all-inclusive, and additional information may be needed in order for the Building Department to process your building permit application. Please take a moment to ensure the items listed below are included in your submittal package. Failure to submit all the information requested may result in delays in processing your permit application.

Detached structures for uses other than sheds require permits regardless of size. Sheds < 200 square feet do not require a building permit. Utilities, such as electricity, will require a permit for the applicable use. Depending upon the size of the shed, specific setback and height requirements must be met per the Land Development Code 17:15. All accessory structures (i.e.

sheds) must be 10 feet behind the deepest portion of the front plane of the house.

Sheds that are < 120 square feet and < 10 feet in total height:

1. Can be 1 foot from the side and rear property line, but the structure must be removable.
2. The shed must be at least 6 feet from the house.

3. If the rear yard is adjacent to a street, the shed must be a minimum of 10 feet away from the rear property line.
4. If the side yard is adjacent to a street, the shed must be a minimum of 20 feet from the side property line.

Sheds that are < 120 square feet and > than 10 feet in height:

1. Must meet the standard setbacks of 8 feet from the side property line and 10 feet from the rear property line.
2. The shed must be at least 6 feet from the house.
3. The maximum height for an accessory structure is 15 feet measured at mid-gable.
4. If the side yard is adjacent to a street, the shed must be a minimum of 20 feet from the side property line.

Sheds > 120 square feet and < 200 square feet:

1. Must meet the standard setbacks of 8 feet from the side property line and 10 feet from the rear property line.
2. The shed must be at least 6 feet from the house.
3. The maximum height for an accessory structure is 15 feet measured at mid-gable.
4. If the side yard is adjacent to a street, the shed must be a minimum of 20 feet from the side property line.

The following items must be included in your permit application submittal:

Residential Permit Application

1. Completed building permit application with contact phone numbers and contractor license numbers if applicable. The

application must be completely filled out.

2. Proof of ownership. This may be obtained at the Cache County Recorder's office located at 179 N Main.

Site and plat plans

1. 1 copy of plat map. This may be obtained at the Cache County Recorder's office located at 179 North Main.

2. Copies of the building site plan (plot plan).

3. The site plans must show all property lines, all easements and right-of-ways, setbacks, all existing structures and proposed structures. Measurements must be provided. Construction documents/plans (sample plans are attached):

1. Show footings and foundations. Specify size, depth, width, and steel placement/spacing. Show locations of hold-down straps.

2. Floor plan and layout with dimensions. Show doors, windows, foundations straps, bracing details, etc.

3. Show electrical breaker panels, outlets, lights switches, etc.

4. Specify framing materials, roof framing details, and anchoring methods.

5. Submit engineering if required by code.

6. Show any heating or plumbing.

7. Show cross sections and elevations.

Please note that plans cannot be accepted for review without the information listed above.

Incomplete submittals cannot be accepted.

24' x 24' Garage Plans Construction Blueprints



By John Davidson

Building A Garden Shed

Step By Step
Instructions And Plans



By John Davidson

Building A Playhouse

Step By Step
Instructions And Plans



By John Davidson

Gambrel Barn And Shed Plans Construction Blueprints



By John Davidson

16' x 16' Garage Plans Construction Blueprints



By John Davidson

How To Build A Portable Chicken Coop



Plans
and Videos

By John Davidson

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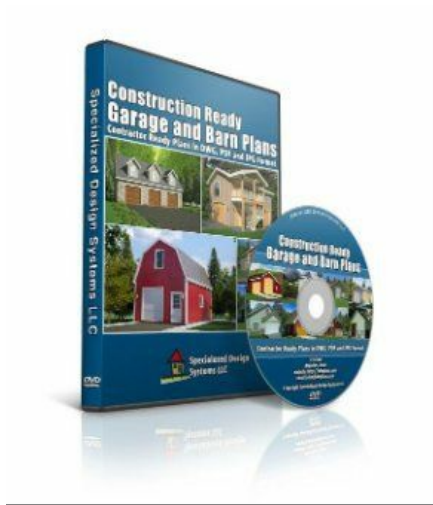
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