REVISED CONSTRUCTION PLANS FOR HISTORIC PRESERVATION APPROVAL

874 MAIN – DEMOLISH STRUCTURE AND CONSTRUCT NEW GARAGE

The proposed structure will be a 24 x 30 one story garage. The current garage is 14' 2" with 7' side walls, the garage on the left is 15' high at the peak and the garage on the right is 16' high. New construction will be cedar siding with same reveal as house.

NEIGHBORING GARAGES

Date: 6/08/2023 - 1:50 PM
Design ID: 313358023524
Estimate ID: 75568
Estimated Price: $17,965.20
**Today's estimated price. Future pricing may go up or down. Tax, labor, and delivery not included.*

MENARDS®
Design&Buy™
GARAGE

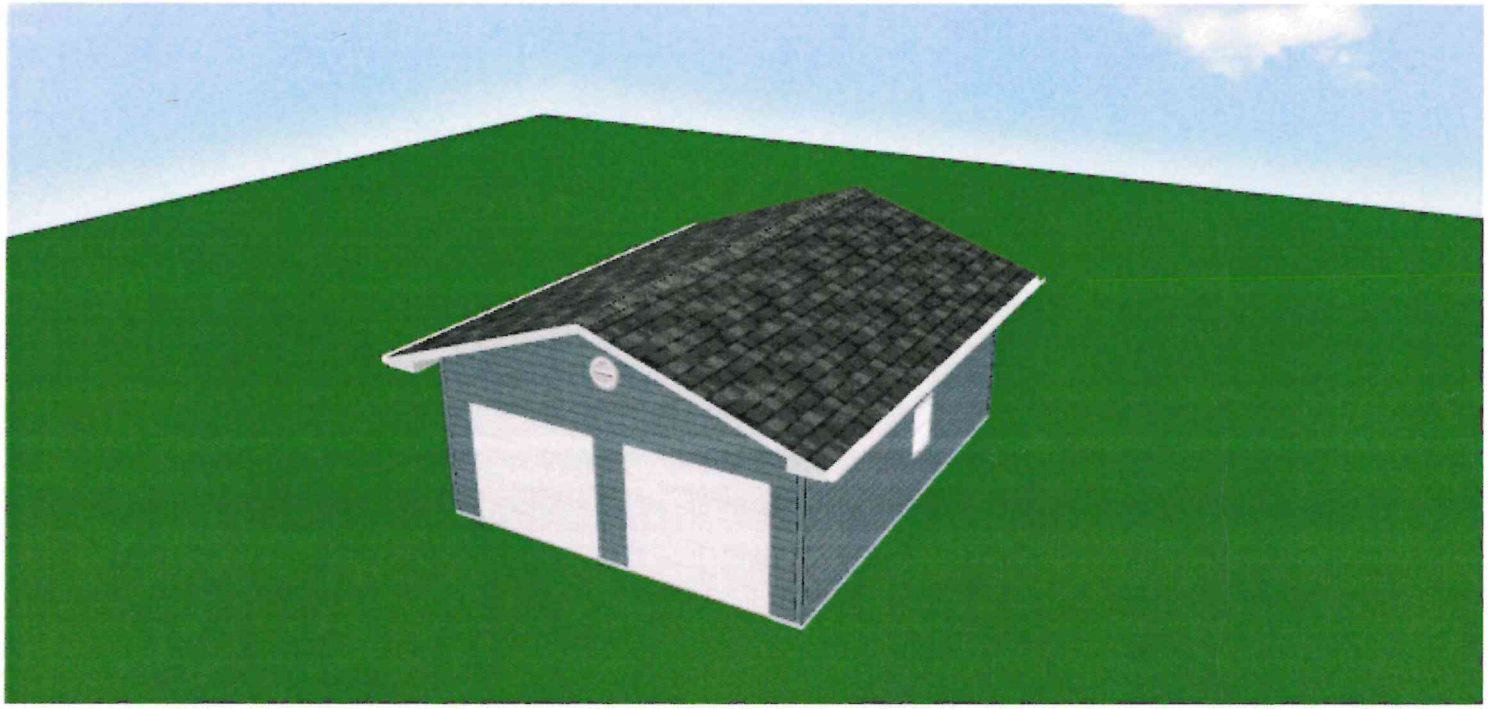
How to recall and purchase your design at home:

OR

1. On Menards.com, enter "Design & Buy" in the search bar
2. Select the Garage Designer
3. Recall your design by entering Design ID: 313358023524
4. Follow the on-screen purchasing instructions

How to purchase your design at the store:

1. Enter Design ID: 313358023524 at the Design-It Center Kiosk in the Building Materials Department
2. Follow the on-screen purchasing instructions



Floor type (concrete, dirt, gravel) is NOT included in estimated price. The floor type is used in the calculation of materials needed. Labor, foundation, steel beams, paint, electrical, heating, plumbing, and delivery are also NOT included in estimated price. This is an estimate. It is only for general price information. This is not an offer and there can be no legally binding contract between the parties based on this estimate. The prices stated herein are subject to change depending upon the market conditions. The prices stated on this estimate are not firm for any time period unless specifically written otherwise on this form. The availability of materials is subject to inventory conditions.

MENARDS IS NOT RESPONSIBLE FOR ANY LOSS INCURRED BY THE GUEST WHO RELIES ON PRICES SET FORTH HEREIN OR ON THE AVAILABILITY OF ANY MATERIALS STATED HEREIN. All information on this form, other than price, has been provided by the guest and Menards is not responsible for any errors in the information on this estimate, including but not limited to quantity, dimension and quality. Please examine this estimate carefully.

MENARDS MAKES NO REPRESENTATIONS, ORAL, WRITTEN OR OTHERWISE THAT THE MATERIALS LISTED ARE SUITABLE FOR ANY PURPOSE BEING CONSIDERED BY THE GUEST. BECAUSE OF WIDE VARIATIONS IN CODES, THERE ARE NO REPRESENTATIONS THAT THE MATERIALS LISTED HEREIN MEET YOUR CODE REQUIREMENTS. THE PLANS AND/OR DESIGNS PROVIDED ARE NOT ENGINEERED. LOCAL CODE OR ZONING REGULATIONS MAY REQUIRE SUCH STRUCTURES TO BE PROFESSIONALLY ENGINEERED AND CERTIFIED PRIOR TO CONSTRUCTION.

For other design systems search "Design & Buy" on Menards.com

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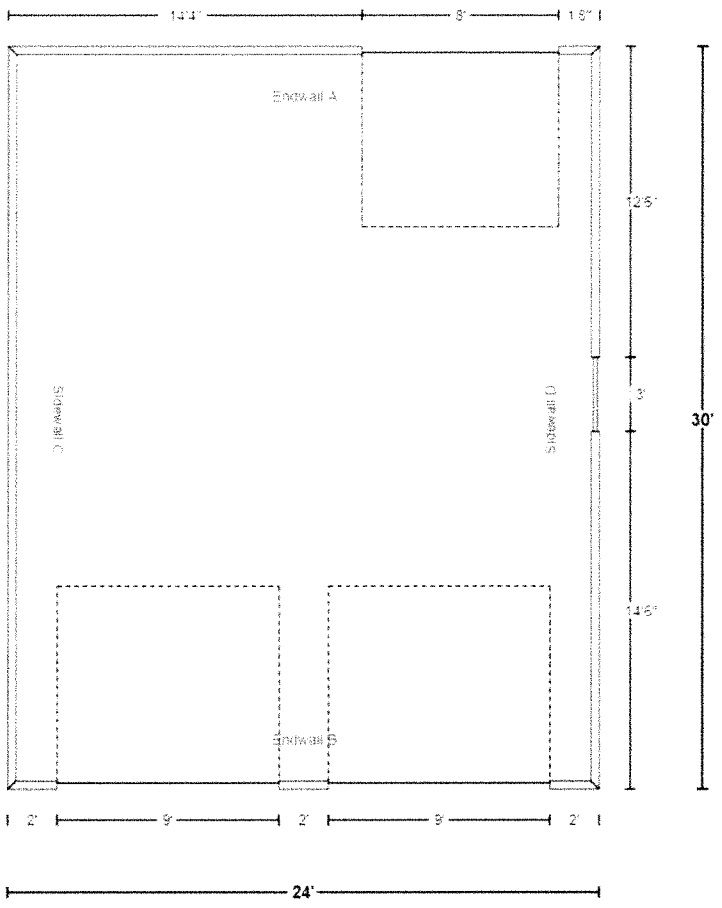

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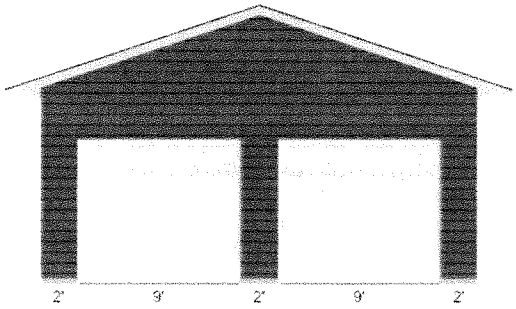
Dimensions

Wall Configurations

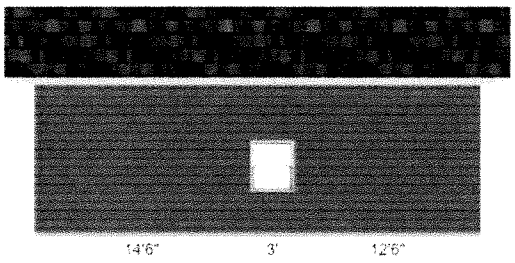
*Some items like wainscot, gutter, gable accents, are not displayed if selected.



ENDWALL B

Ideal Door® 4-Star 9' x 8' White Select Value Insulated

Ideal Door® 4-Star 9' x 8' White Select Value Insulated



SIDEWALL D

36"W x 42"H JELD-WEN® Vinyl Single Hung

For other design systems search "Design & Buy" on Menards.com

Date: 6/08/2023 - 1:50 PM
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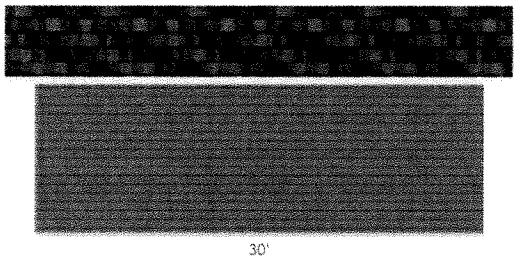
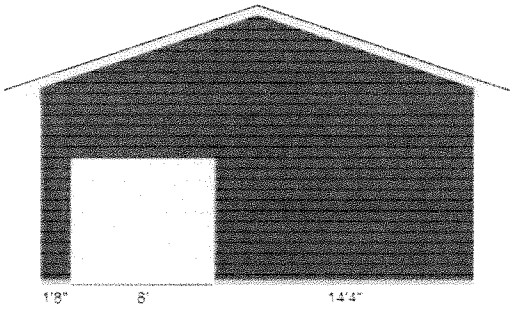


SIDEWALL C



ENDWALL A

Ideal Door® 4-Star 8' x 7' White Select Value Insulated

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MENARDS Design&Buy™ GARAGE

Materials

Building Info

Building Location Zip Code:	57732
Building Width:	24'
Building Length:	30'
Building Height:	10'
Curb:	Poured Curb
Curb Height:	4"
Foundation Type:	Thickened Slab
Wall Framing Stud:	2 x 6
Roof Framing:	Truss Construction
Truss Type:	Common
Roof Pitch:	4/12 Pitch
Eave Overhang:	24"
Gable Overhang:	24"
Custom Garage Plan:	No I do not need a custom building plan

Wall Info

Siding Material Types:	LP Engineered Wood
LP Engineered Wood Siding:	Sherwin-Williams Premium Prefinished 3/8 x 8 x 16' Textured Lap Siding(30 Yr Paint Warranty), Color: Biscayne Blue
Engineered Wood Corner Trim Color:	Biscayne Blue
Accent Material Type:	None
Wainscot Material Type:	None
Wall Sheathing:	7/16 x 4 x 8 OSB(Oriented Strand Board)
House Wrap:	Kimberly-Clark BLOCK-IT®9'x75'House Wrap
Gable Vents:	Novik® 22" Round Gable Vent, Color: White, QTY: 2

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MENARDS® Design&Buy™ GARAGE

Roof Info

Roof Sheathing:	1/2 x 4 x 8 OSB(Oriented Strand Board)
Roofing Material Type:	Architectural Shingle
Architectural Roofing:	Owens Corning® TruDefinition® Duration® Limited Lifetime Warranty Architectural Shingles (32.8 sq. ft.), Color: Estate Gray
Roof Underlayment:	Owens Corning® ProArmor® Synthetic Roofing Underlayment 42" x 286' (1,000 sq. ft.)
Ice and Water Barrier:	Owens Corning® WeatherLock® G Granulated Self-Sealing Ice and Water Barrier 3' x 66.7'(200sq.ft)
Fascia Material Type:	Textured Aluminum Fascia
Fascia:	6" x 12' Aluminum Rustic Fascia, Color: White
Soffit Material Type:	Aluminum Soffit
Soffit:	16" x 12' Aluminum Vented Soffit, Color: White
Gutter Material Type:	Steel
Gutter:	Pro-Steel 6"x12' K- Style Steel Gutter
Ridge Vent:	None
Roof Vents:	Air Vent Galvanized Slant-Back Static Roof Vent, Color: Black, QTY: 1

Openings

Overhead Door:	Ideal Door® 4-Star 8' x 7' White Select Value Insulated
Overhead Door:	Ideal Door® 4-Star 9' x 8' White Select Value Insulated
Overhead Door:	Ideal Door® 4-Star 9' x 8' White Select Value Insulated
Overhead Door Trim Type:	Vinyl
Vinyl Trim Color:	White
Windows:	36"W x 42"H JELD-WEN® Vinyl Single Hung

Additional Options

Ceiling Insulation:	Fiberglass batts
Ceiling Insulation R Value:	R19 Kraft Faced Roll
Wall Insulation:	R-19 Kraft Faced Fiberglass Insulation 6-1/4" x 15" x 39.2' - 48.96 sq ft
Ceiling Finish:	5/8 x 4 x 8 Type X Fire-Rated Drywall
Wall Finish:	1/2 x 4 x 8 Lightweight Drywall
Mounting Blocks:	No
Hydronic Radiant Heat:	None
Anchor bolt:	Grip Fast® 1/2 x 10 HDG Anchor Bolt w/ Nut & Washer
Framing Fasteners:	Grip Fast® 3-1/4 16D Vinyl-Coated Smooth Shank Sinker Nail - 5 lb. Box
Sheathing Fasteners:	Grip Fast® 2-1/2 8D Vinyl-Coated Smooth Shank Sinker Nail - 5 lb. Box
Roofing/Shingle Fasteners:	Grip Fast® 1-1/4 Electro-Galvanized Coil Roofing Nails - 7,200 Count
Truss Fastener:	FastenMaster® TimberLOK® 5/16 x 6 Hex Drive Black Hex Head Timber Screw - 50 Count
Overhead Opening Hardware:	No

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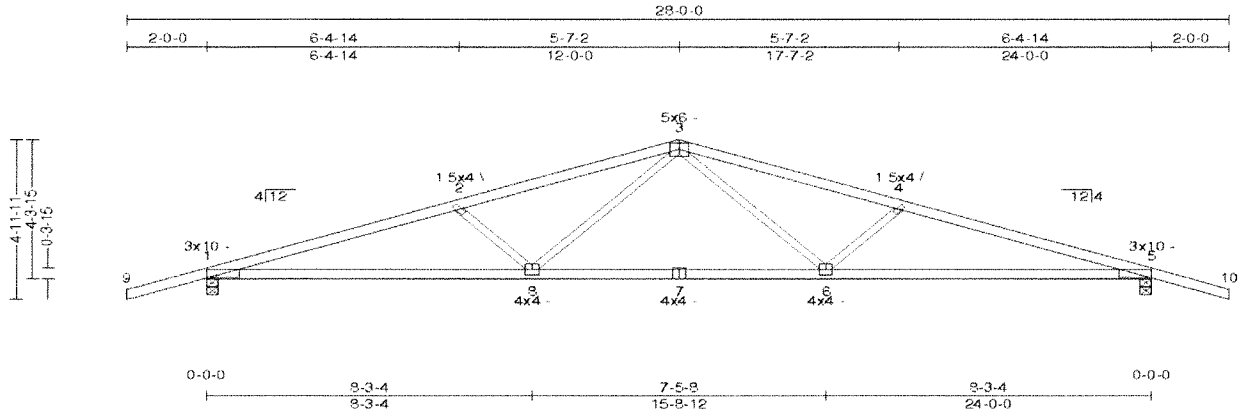
	Midwest Manufacturing Address 1 Address 2 City, State Zip	Truss: C11024 JobName: RES STOCK Date: 02/22/17 09:25:42 Page: 1 of 1

SPAN	PITCH	QTY	OHL	OHR	CANT L	CANT R	PLYS	SPACING	WGT/PLY
24-0-0	4/12	1	2-0-0	2-0-0	0-0-0	0-0-0	1	24 in	73 lbs



All plates shown to be Eagle 20 unless otherwise noted.

Loading (psf)		General		CSI Summary		Deflection		L/	(loc)	Allowed
TCLL:	42	Bldg Code:	IRC 2015/	TC:	0.79 (1-2)	Vert TL:	0.43 in	L/651	7	L/180
Snow(Ps/Pg):	42/60		TPI 1-2007	BC:	0.93 (8-1)	Vert LL:	0.28 in	L/992	7	L/240
TCDL:	10	Rep Mbr Increase:	Yes	Web:	0.60 (3-8)	Horz TL:	0.11 in		5	
BCLL:	0	Lumber D.O.L.:	115 %							
BCDL:	10									

Reaction Summary

JT	Brg Combo	Brg Width	Rqd Brg Width	Max React	Max Grav Uplift	Max MWFRS Uplift	Max C&C Uplift	Max Uplift	Max Horiz
1	1	3.5 in	2.66 in	1,696 lbs	-	-	-276 lbs	-276 lbs	7 lbs
5	1	3.5 in	2.66 in	1,696 lbs	-	-	-276 lbs	-276 lbs	-

Material Summary

TC	SPF #2 2 x 4
BC	SPF #2 2 x 4
Webs	SPF Stud 2 x 3

Bracing Summary

TC Bracing:	Sheathed or Purlins at 2-6-0, Purlin design by Others.
BC Bracing:	Sheathed or Purlins at 10-0-0, Purlin design by Others.

Loads Summary

1) This truss has been designed for the effects of balanced and unbalanced snow loads for hips/gables in accordance with ASCE7 - 10 with the following user defined input: 60 psf ground snow load, Terrain Category B, Exposure Category Fully Exposed (Ce = 0.9), Risk Category II (I = 1.00), Thermal Condition Cold ventilated (Ct = 1.1), DOL = 1.15. Unventilated. If the roof configuration differs from hip/gable, Building Designer shall verify snow loads

2) This truss has been designed to account for the effects of ice dams forming at the eaves.
3) This truss has been designed for the effects of wind loads in accordance with ASCE7 - 10 with the following user defined input: 115 mph (Factored), Exposure B, Enclosed, Gable/Hip, Risk Category II, Overall Bldg Dims 25 ft x 60 ft, h = 15 ft, End Zone Truss, Both end webs considered. DOL = 1.60
4) Minimum storage attic loading has been applied in accordance with IRC 301.5

Member Forces Summary

Table indicates: Member ID, max C21, max axial force, (max compr. force if different from max axial force). Only forces greater than 300lbs are shown in this table.

TC	1-2	0.788	-3,414 lbs		3-4	0.777	-2,950 lbs					
	2-3	0.777	-2,950 lbs		4-5	0.788	-3,414 lbs					
BC	5-6	0.930	3,141 lbs	(-2,50 lbs)	6-8	0.674	2,160 lbs	(-121 lbs)	8-1	0.930	3,141 lbs	(-2,50 lbs)
Webs	2-8	0.304	-799 lbs		3-6	0.598	993 lbs	(-26 lbs)				
	3-8	0.598	993 lbs	(-26 lbs)	4-6	0.304	-799 lbs					

JSI Summary

1 = 0.85, 2 = 0.59, 3 = 0.88, 4 = 0.59, 5 = 0.85, 6 = 0.72, 7 = 0.97, and 8 = 0.72

Notes

1) Unless noted otherwise, do not cut or alter any truss member or plate without prior approval from a Professional Engineer
2) When this truss has been chosen for quality assurance inspection, the Double Polygon Method per TPI 1-2007/Chapter 3 shall be used.
3) The fabrication tolerance for this roof truss is 0 % (Cq = 1.00).
4) Brace bottom chord with approved sheathing or purlins per Bracing Summary.
5) Creep has been considered in the analysis of this truss.
6) Listed wind uplift reactions based on MWFRS & C&C loading.

ALL PERSONS FABRICATING, HANDLING, ERECTING OR INSTALLING ANY TRUSS BASED UPON THIS TRUSS DESIGN DRAWING ARE INSTRUCTED TO REFER TO ALL OF THE INSTRUCTIONS, LIMITATIONS AND QUALIFICATIONS SET FORTH IN THE EAGLE METAL PRODUCTS DESIGN NOTES ISSUED WITH THIS DESIGN AND AVAILABLE FROM EAGLE UPON REQUEST. DESIGN VALID ONLY WHEN EAGLE METAL CONNECTORS ARE USED.

TrueBuild® Software v5.5.2.240
Eagle Metal Products
Dallas, TX 75234

Date: 6/08/2023 - 1:50 PM
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Estimate ID: 75568
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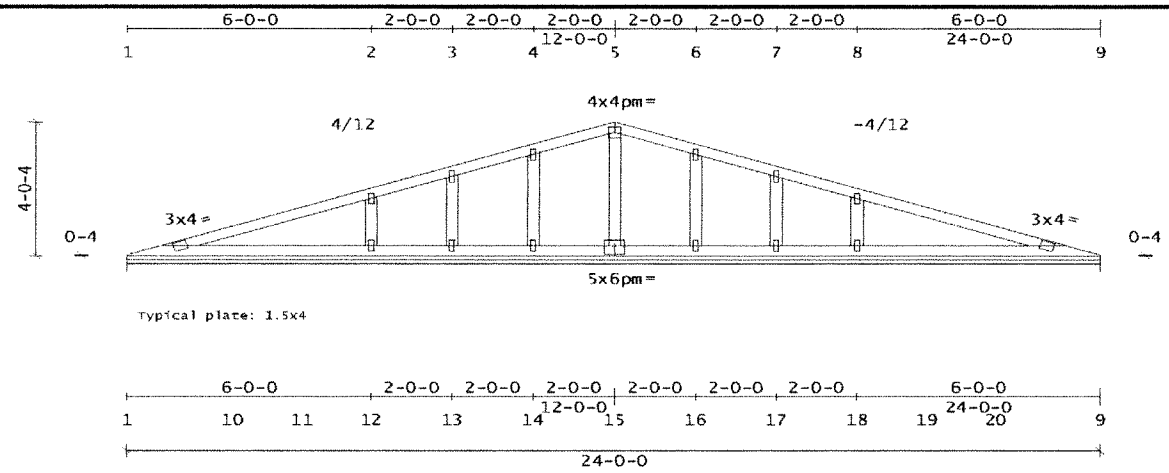
Project Name: QTREC0630284 | **Qty: 2** | **Truss: T1DE**

Customer: Walk-In

MIDWEST MANUFACTURING

SID:
TID:
Date: 05 / 13 / 20
Page: 1 of 1



Typical plate: 1.5x4


```
Code/Design: IRC-2015/TPI-2014
PSF  Live  Dead          Dur Factors
TC    80.0  10.0      Live  Wind  Snow
BC     0.0  10.0  Lum 1.15  1.60  1.15
Total     100.0  Plt 1.15  1.60  1.15
Spacing:  2-00-00 o.c.    Plies: 1
Repetitive Member Increase: Yes
Green Lumber:  No  Wet Service:  No
Fab Tolerance:  15% Creep (Kcr) = 2.0
OH Soffit Load:  1.0 psf
```

```
----------Snow Load Specs----------
ASCE7-10 Ground Snow(Pg) = 100.0 psf
Risk Cat: II  Terrain Cat: B
Roof Exposure: Fully Exposed
Thermal Condition: Cold
Ventilated(1.1)
Unobstructed Slippery Roof: No
Low-Slope Minimums(Pfmin):  No
Unbalanced Snow Loads:   Yes
Rain Surcharge: No Ice Dam Chk: Yes
```

```
----------Wind Load Specs----------
ASCE7-10  Wind Speed(V) = 115 mph
Risk Cat: II  Exposure Cat: B
Bldg Dims: L =    0.0 ft  B =    0.0 ft
M.R.H(h) =  15.0 ft  Kzt = 1.0
Bldg Enclosure: Enclosed
Wind DL(psf): TC =  6.0 BC =  6.0
End Vertical Exposed: L = Yes R = Yes
Wind Uplift Reporting: ASCE7 MWFRS
C&C End Zone: 4-00-00
```

```
-------Additional Design Checks------
10 psf Non-Concurrent BCLL:      Yes
20 psf BC Limited Storage:       Yes
200 lb BC Accessible Ceiling:    No
300 lb TC Maintenance Load:      No
2000 lb TC Safe Load:            No
Unbalanced TCLL:                 Yes
```

Material Summary

TC	2x4	SPF	#2
BC	2x4	SPF	#2
Webs	2x4	SPF	Stud

Member Forces Summary

	...Mem...	Ten	Comp	.CSI.
TC	1- 5	76	238	0.59
	5- 9	76	238	0.59
BC	1-15	95	4	0.43
	9-15	95	4	0.43
Web	2-12	118	890	0.20
	3-13	50	289	0.07
	4-14	101	519	0.14
	5-15	0	261	0.09
	6-16	101	519	0.14
	7-17	52	289	0.07
	8-18	118	890	0.20

Reaction Summary

```
--------------Reaction Summary(Lbs)----------------
Jnt   --X-Loc-  React  -Up-  --Width-  -Reqd   -Mat   PSI
  1    1-03-04    587     0  24-00-00
 12    6-00-00    934    19  24-00-00
 14   10-00-00    559     0  24-00-00
 16   14-00-00    559     0  24-00-00
 18   18-00-00    934    19  24-00-00
  9   22-08-12    587     0  24-00-00
Reactions not shown: down < 400 and up < 150
------ Reaction Summary (plf) ------
Jnt-Jnt        React  -Up-  --Width-
  1- 9            26     0  24-00-00  (reduced)
Max Horiz =    -29 /    +29 at Joint   1
```

Loads Summary

This truss has been designed for the effects of an unbalanced top chord live load occurring at [12-00-00] using a 1.00 Full and 0.00 Reduced load factor.

See Loadcase Report for loading combinations and additional details.
Dead Loads may be slope adjusted: > 8.0/12

Notes

Gable webs are attached with min. 1x3 20 ga.plates. The max.rake overhang = 1/2 the truss spacing. If this truss is exposed to wind loads perpendicular to the plane of the truss, it must be braced according to a standard detail matching the wind criteria shown, or according to the Construction Documents and/or BCSI - B3.
Plates designed for Cq at 0.85 and Rotational Tolerance of 10.0 degrees
Plates located at TC pitch breaks meet the prescriptive minimum size requirement to transfer unblocked diaphragm loads across those joints.
A "pm" next to the plate size indicates that the plate has been user modified; see Plate Offsets for any special positioning requirements.

Deflection Summary

TrussSpan	Limit	Actual(in)	Location
Vert LL	L/240	L/999(-0.00)	17-18
Vert DL	L/90	L/999(-0.00)	17-18
Vert CR	L/180	L/999(-0.00)	17-18
Horz LL	0.75in	(0.01)	@Jt 1
Horz CR	1.25in	(0.01)	@Jt 1

Vert CR and Horz CR are the vertical and horizontal deflections due to live load plus the creep component of deflection due to dead load, computed as Defl_LL + (Kcr - 1) x Defl_DL in accordance with ANSI/TPI 1.

Bracing Data Summary

```
------------Bracing Data------------
Chords; continuous except where shown
Web Bracing -- None
```

Plate offsets (X, Y):

(None unless indicated below)
Jnt15:0,-00-08

Joint Stress Index (JSI):

Jnt1(0.55), Jnt2(0.65), Jnt3(0.65), Jnt4(0.65), Jnt5(0.49), Jnt6(0.65), Jnt7(0.65), Jnt8(0.65), Jnt9(0.55), Jnt12(0.65), Jnt13(0.65), Jnt14(0.65), Jnt15(0.49), Jnt16(0.65), Jnt17(0.65), Jnt18(0.65)

Midwest Manufacturing
5311 Kane Road
Eau Claire, WI 54703
(715) 876-5555
midwestmanufacturing.com

1805 E GUN STREET
RAPID CITY, SD 57703
(605) 399-3922
(605) 399-9945

Design&Buy GARAGE DOORS

Design #: 313358023656
Estimated Price: $6,351.43

How to purchase at the store:

1. Take this packet to any Menards store.
2. Have a Menards Team Member enter the Design ID into the Garage Door Designer Program.
3. Have a Menards Team Member print purchasing documents.
4. Take the Special Order Contract to the register and pay.

How to recall and purchase a saved design at home:

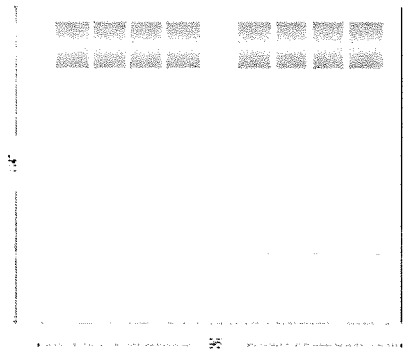
1. Go to Menards.com
2. Login to your account.
3. Go to the Garage Door Designer from the Project Center and select Search Saved Designs.
4. Enter the Design ID or select from your open projects to load into the Patio Door Designer.
5. Add your design to the cart and purchase.

Line Item	Quantity	Product Description	Unit Price	Total Price
100-1	1	Designer Steel Panel - Best Garage Door Garage Door Width = 8 Ft 0 In Garage Door Height = 7 Ft 0 In Assembly Type = Complete Door WindCode Rating = W0 - Most locations Panel Design = Long Designer Panel Color = White Insulation R-Value = 18.4 R-Value 2" Thick Intellicore Door Model = MR2LU Window Type = Designer - Long Windows = SQ24 Glass Style = Clear Glass Glass Type = Insulated Opener Ready = Yes Headroom Available = Typical (12" - 32") Track Size - Mount = 2" Bracket Mount Track Track Lift = Standard Lift Track Radius = 12" Spring = EZ-SET Torsion Headroom Required = 12" Lock = No Lock Type of Reinforcement Strut = 2-1/4" Strut Standard Struts - number = 0 Standard Reinforcement Struts = 0 Struts Additional Reinforcement Struts = 1 Hinge and Roller Hardware = Heavy Hardware Upgrade Automatic Opener Reinforcement Bracket = Included Bracket Decorative Hardware = Yes Decorative Hardware Collection = See All Lift Handles = 1 Set Dummy L-Handles Escutcheon Plates = 2 Escutcheon Plates Step Plate = 1 Spear Step Plate Decorative Hinges = 4 Spear Strap Hinges	$1,868.99	$1,868.99

Actual Size: 96" x 84"

Room: None Assigned

Unit is viewed from the outside looking in.

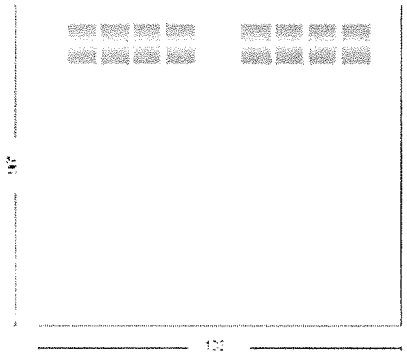


Line Item	Quantity	Product Description	Unit Price	Total Price
200-1	2	Designer Steel Panel - Best Garage Door Garage Door Width = 9 Ft 0 In Garage Door Height = 8 Ft 0 In Assembly Type = Complete Door WindCode Rating = W0 - Most locations Panel Design = Long Designer Panel Color = White Insulation R-Value = 18.4 R-Value 2" Thick Intellicore Door Model = MR2LU Window Type = Designer - Long Windows = SQ24 Glass Style = Clear Glass Glass Type = Insulated Opener Ready = Yes Headroom Available = Typical (12" - 32") Track Size - Mount = 2" Bracket Mount Track Track Lift = Standard Lift Track Radius = 12" Spring = EZ-SET Torsion Headroom Required = 12" Lock = No Lock Type of Reinforcement Strut = 2-1/4" Strut Standard Struts - number = 0 Standard Reinforcement Struts = 0 Struts Additional Reinforcement Struts = 1 Hinge and Roller Hardware = Heavy Hardware Upgrade Automatic Opener Reinforcement Bracket = Included Bracket Decorative Hardware = Yes Decorative Hardware Collection = See All Lift Handles = 1 Set Dummy L-Handles Escutcheon Plates = 2 Escutcheon Plates Step Plate = 1 Spear Step Plate Decorative Hinges = 4 Spear Strap Hinges	$2,241.22	$4,482.44

Actual Size: 108" x 96"

Room: None Assigned

Unit is viewed from the outside looking in.



Total: **$6,351.43**