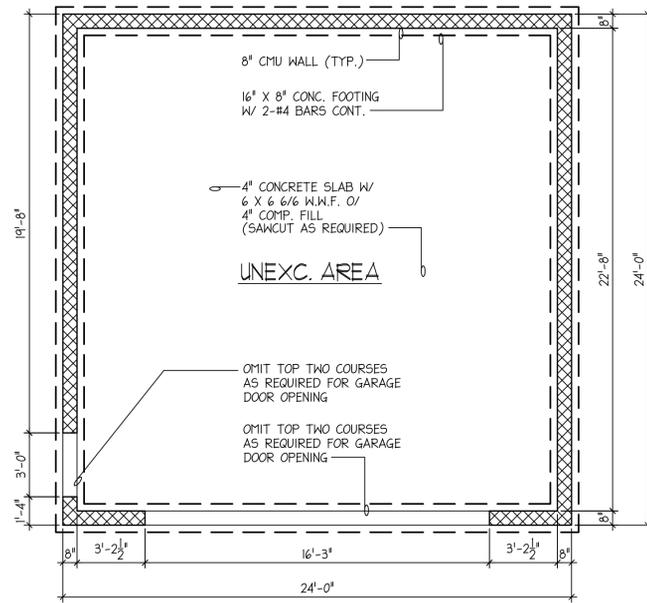


**LOADING SCHEDULE**

SLOPED ROOF LOADING

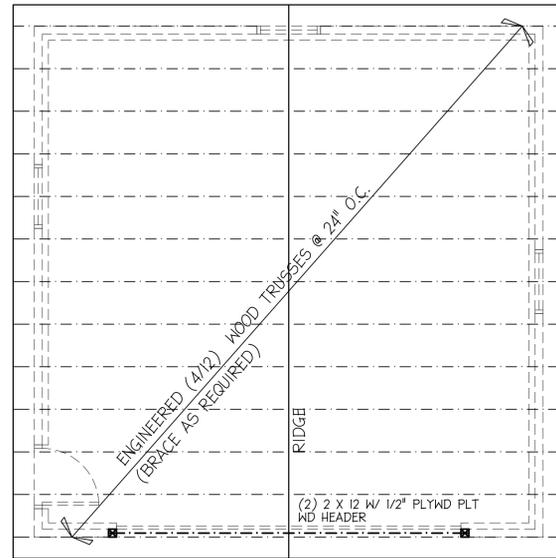
25	PSF LIVE LOAD
20	PSF DEAD LOAD
45	PSF TOTAL



**FOUNDATION PLAN**  
SCALE: 1/4"=1'-0"

**TRUSS NOTE:**

THE WOOD TRUSS MANUFACTURER IS TO FURNISH CERTIFIED ENGINEERING TRUSS DRAWINGS WHICH INDICATE MEMBER AND JOIST SIZE, LOADING, LUMBER STRENGTH, AND BRACING REQUIREMENTS FOR THE BUILDERS & BUILDING DEPT. APPROVAL.



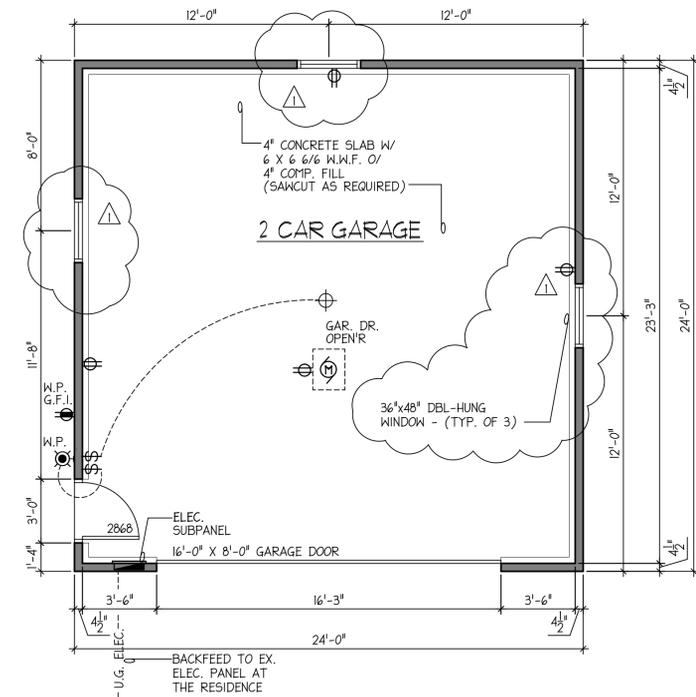
**ROOF FRAMING PLAN**  
SCALE: 1/4"=1'-0"

**ELECTRICAL LEGEND:**

- Ⓜ - MOTOR
- Ⓜ - ELECTRICAL PANEL
- Ⓜ - DUPLEX (110 V) CONVENIENCE OUTLET - 16" AFF.
- Ⓜ - GROUND FAULT (110 V) CIRCUIT INTERRUPTOR - WEATHERPROOF
- Ⓜ - SINGLE POLE SWITCH
- Ⓜ - OVERHEAD LIGHT FIXTURE
- Ⓜ - EXTERIOR WALL MTD LIGHT FIXTURE

**ELECTRICAL NOTES:**

1. DRAWINGS INDICATED THE MINIMUM DESIGN REQUIREMENTS. IN ADDITION ALL NATIONAL, STATE, LOCAL AND NATIONAL ELECTRICAL CODES SHALL BE FOLLOWED. THE CONTRACTOR SHALL INCLUDE THE COST OF SATISFYING SUCH CODE IN THERE BID.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY POWER AND THE COST THEREOF.
3. A WRITTEN DIRECTORY SHALL BE PROVIDED IN PANEL BOX.
4. GROUND ALL CONDUITS, CABINETS, PANELS AND OTHER EXPOSED NON-CURRENT CARRYING METAL PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ALL PROVISIONS OF ARTICLE 250 OF THE NATIONAL ELECTRIC CODE OR LOCAL CODES THAT MAY APPLY.
5. TEST GROUNDS, SHORT CIRCUITS AND PROPER FUNCTION OF ALL EQUIPMENT AFTER INSTALLATION IS COMPLETE. FAULTS IN INSTALLATION SHALL BE CORRECTED.



**GARAGE FLOOR PLAN**  
SCALE: 1/4"=1'-0"

**NOTE:**

ALL FOUNDATIONS AND STRUCTURAL MEMBERS SHOWN IN THESE PLANS ARE FOR BIDDING PURPOSES ONLY. FINAL SIZES ARE TO BE DETERMINED BY OTHERS AND MEMBER SIZES TO BE SUBMITTED TO BUILDING DEPARTMENT ALONG WITH PLANS.

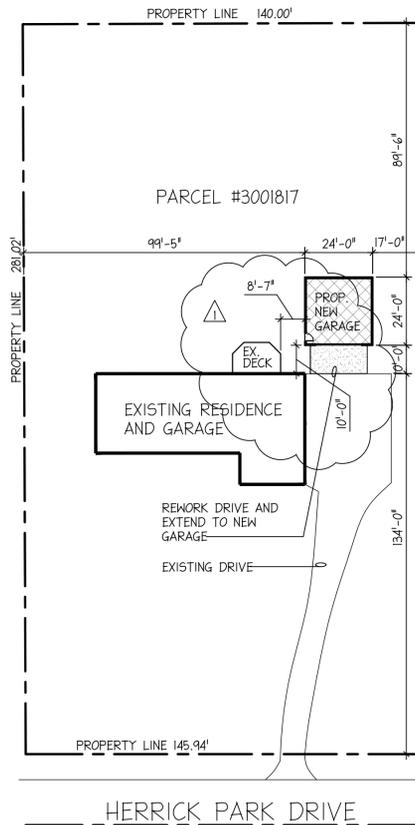
**STRUCTURAL NOTES:**

**FOUNDATION NOTES**

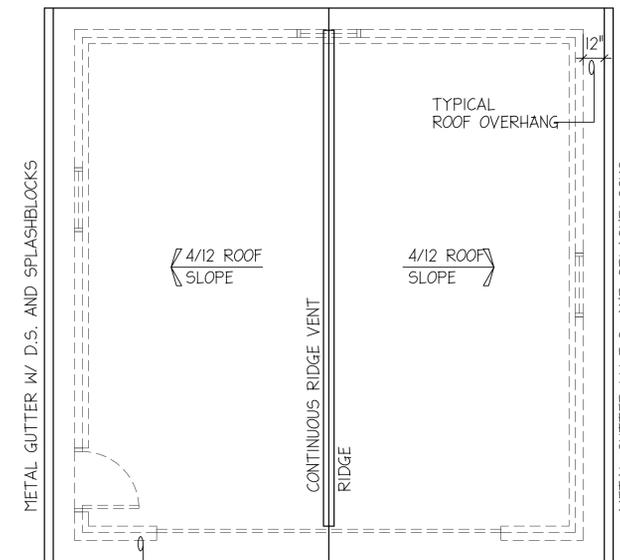
- SOIL BEARING CAPACITY 1500 PSF
- ALL NEW FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL OF DESIGN CAPACITY. MINIMUM DEPTH SHALL BE 3'-6" BELOW GRADE UNLESS NOTED OTHERWISE. EXCAVATE FOOTINGS DOWN TO THE ELEVATIONS INDICATED ON THE FOUNDATION PLANS OR FOOTING SCHEDULE. IF SOIL CONDITIONS ARE ENCOUNTERED OTHER THAN WHAT IS DESCRIBED ABOVE, CONSULT WITH THE BUILDER.
- ALL CONCRETE FOR FOOTINGS TO BE 3 1/2 BAGS, 3000 PSI DESIGN STRENGTH AT 28 DAYS, UNLESS NOTED OTHERWISE.
- REINFORCING STEEL SHALL CONFORM TO ASTM STANDARD SPECIFICATION A-615, GRADE 60, AND TO BE INSTALLED AND TIED AS PER DRAWINGS AND THE LATEST EDITION OF CRSI PRINTED STANDARDS.
- ALL CONCRETE WORK TO BE INSTALLED IN STRICT ACCORDANCE WITH THE LATEST EDITION OF ACI CODE STANDARDS.
- ALL FOOTINGS TO BE FORMED WITH 1-1/2" FORMS TO THE SHAPE INDICATED ON THE DRAWINGS. EXCAVATIONS MAY BE USED WITHOUT FORMS IF CUT STRAIGHT, TRUE, AND TO THE PROPER SIZE AND APPROVED BY THE LOCAL BUILDING AUTHORITY.
- ALL CONCRETE FLAT SLABS SHALL BE 6 BAGS - 4000PSI DESIGN STRENGTH AT 28 DAYS. ALL REINFORCING SHALL BE AS SHOWN ON THE DRAWINGS.
- PROVIDE AIR ENTRAINED (6%) CONCRETE FOR ALL WORK EXPOSED TO THE WEATHER.
- DO NOT BACKFILL AGAINST FOUNDATION WALLS UNTIL FLOOR SLABS ARE IN PLACE OR PERMISSION IS OBTAINED FROM THE BUILDER.
- ALL FOOTINGS ARE TO REST ON FIRM UNDISTURBED SOIL, OF BEARING CAPACITY NOTED, REGARDLESS OF ELEVATIONS SHOWN ON DRAWINGS. WHERE ROCK OR SHALE IS THE BEARING MATERIAL, PROVIDE 4" DEEP PENETRATION.
- ALL SOIL SURROUNDINGS AND UNDER FOOTINGS SHALL BE PROTECTED FROM FROST ACTION AND FREEZING DURING THE COURSE OF CONSTRUCTION.
- BOTTOM OF ALL FOOTINGS SHALL BE AT LEAST 1'-0" BELOW EXISTING GRADE.
- STEP BOTTOM OF FOOTING WHERE REQUIRED, AT A RATE OF 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL MAXIMUM VERTICAL STEP 2'-0".
- WHERE FOOTINGS ARE IN CLOSE PROXIMITY OF BEIERS, BOTTOM OF FOOTINGS SHALL BE AT LEAST 8" BELOW INVERT ELEVATION OF BEIERS.
- KEEP FOUNDATION EXCAVATIONS FREE OF WATER AT ALL TIMES.
- USE LEAN CONCRETE (175-5000 PSI) FOR OVER-EXCAVATION OF FOOTINGS AND REPLACEMENT OF WEAKENED SOIL.

**WOOD FRAMING NOTES**

- SEE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO THE STRUCTURAL WORK AND COORDINATE AS REQUIRED.
- DETAIL, FABRICATE, AND ERECT STRUCTURAL WOOD IN STRICT ACCORDANCE WITH THE LATEST AMERICAN INSTITUTE OF TIMBER CONSTRUCTION STANDARDS AND SPECIFICATIONS, AND THESE DRAWINGS.
- STRESS-GRADE LUMBER FOR JOISTS, BEAMS, AND COLUMNS SHALL BE DOUGLAS FIR - LARCH NO2 AND SHALL DEVELOP A WORKING STRESS OF 1250 PSI (1450 PSI WHEN USED AS REPETITIVE MEMBERS) IN BENDING WITH A MINIMUM OF 1000000 PSI MODULUS OF ELASTICITY.
- STUD WALLS, WOOD BLOCKING, ETC. SHALL BE ENGELMANN SPRUCE "CONSTRUCTION GRADE" AND DEVELOP A WORKING STRESS OF 1200 PSI (800 PSI WHEN USED AS A REPETITIVE MEMBER) IN BENDING WITH A MINIMUM OF 1000000 PSI MODULUS OF ELASTICITY.
- CONSTRUCTION LOADS SUCH AS PLYWOOD AND SHINGLES SHALL BE PLACED ADJACENT TO THE SUPPORTS WITHOUT EXCESSIVE CONCENTRATION.
- ALL WOOD TRUSSES SHALL BE DESIGNED AND FABRICATED IN STRICT ACCORDANCE WITH THE TRUSS PLATE INSTITUTE (TPI-16) OR LATEST EDITION.
- ALL WOOD TRUSSES SHALL BE ERECTED AND BRACED IN STRICT ACCORDANCE WITH BRACING WOOD TRUSSES (BUT-16) OR LATEST EDITION.
- THE WOOD TRUSS MANUFACTURER IS TO FURNISH CERTIFIED ENGINEERING TRUSS DRAWINGS WHICH INDICATE MEMBER AND JOIST SIZE, LOADING, LUMBER STRENGTH, AND BRACING REQUIREMENTS FOR THE BUILDERS & BUILDING DEPT. APPROVAL.
- THE TRUSS SUPPLIER SHALL PROVIDE ALL REQUIRED CONNECTORS, BRACING, AND ANCHORS AS APPROVED BY THE TRUSS ENGINEER OR OTHERWISE REQUIRED.
- CONTRACTOR SHALL INSTALL ALL CONNECTORS, BRACING, AND ANCHORS PROVIDED BY THE TRUSS SUPPLIER.
- CONTRACTOR SHALL ANCHOR ROOF MEMBERS TO WOOD PLATE, LEDGERS, ETC. WITH METAL ANCHOR CLIPS AS INDICATED ON THE DRAWINGS.
- CONTRACTOR SHALL PROVIDE DIAGONAL WINDBRACING AT ALL EXTERIOR WALLS AS REQUIRED BY ALL GOVERNING CODES.
- CONTRACTOR SHALL PROVIDE AND INSTALL GALVANIZED METAL JOIST HANGERS FOR ALL JOISTS, BEAMS, AND HEADERS THAT BUTT TO ADJACENT STRUCTURAL COMPONENTS. THOSE BEARING A MINIMUM OF 1 1/2" ON WALLS OR BEAMS DO NOT REQUIRE HANGERS.



**SITE PLAN**  
SCALE: 1/8"=1'-0"



**GARAGE ROOF PLAN**  
SCALE: 1/4"=1'-0"

**GENERAL NOTES:**

- 1.) THESE DRAWINGS ARE FOR REFERENCE ONLY.
- 2.) ALL WORK SHALL BE AS PER ALL APPLICABLE CODES & ORDINANCES.
- 3.) ALL SYSTEMS SHALL BE BY OTHERS.
- 4.) CONTRACTOR/BUILDER SHALL COORDINATE ALL WORK AND BE RESPONSIBLE FOR ALL DISCREPANCIES WHICH MAY OCCUR.
- 5.) CONTRACTOR/BUILDER SHALL VERIFY ALL DIMENSIONS & COORDINATE AS REQUIRED.

**PLEASE NOTE THE FOLLOWING:**

THE DRAFTSMAN WHO PREPARED THIS PRINT IS NOT AN ARCHITECT. HE WARRANTS ONLY THAT THESE PLANS ARE OF WORKMANLIKE QUALITY. THESE DRAWINGS REPRESENT THE SPECIFICATIONS AND SIZES PROVIDED BY THE CUSTOMER. ALL DIMENSIONS AND BUILDING CODE CONFORMITY IS TO BE VERIFIED BY THE GENERAL CONTRACTOR, WHOM SHALL BE RESPONSIBLE FOR THE SAME. THE DRAFTSMAN WHO PREPARED THESE DRAWINGS IS NOT RESPONSIBLE FOR THE QUALITY OF WORKMANSHIP OR OTHER DETAILS REGARDING THE CONSTRUCTION, DESIGN, OR ARCHITECTURE OF THIS BUILDING.

**Draftec, Inc.**  
Commercial / Residential  
CAD Drafting Services  
455 Palm Ave / Akron, Ohio 44301  
Phone: 330-775-8335  
Email: draftec@gmail.com

BUILDER:

PROPOSED NEW GARAGE PLANS FOR:  
**LEWIS RESIDENCE**  
7252 HERRICK PARK DRIVE / HUDSON, OHIO

Garage Plans and Details

Project number:  
Date: FEB. 21, 2021  
Revisions:  
04-20-2021

Project No.:  
Sheet:  
**A101**  
Scale: See Plan

BUILDER:

PROPOSED NEW GARAGE PLANS FOR:  
**LEWIS RESIDENCE**  
 7252 HERRICK PARK DRIVE / HUDSON, OHIO

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 and Details

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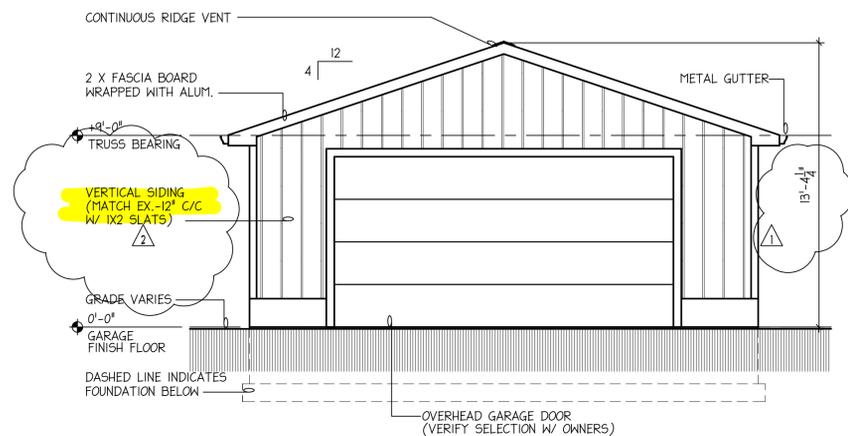
- △ 04-20-2021
- △ 04-23-2021

Project No.:

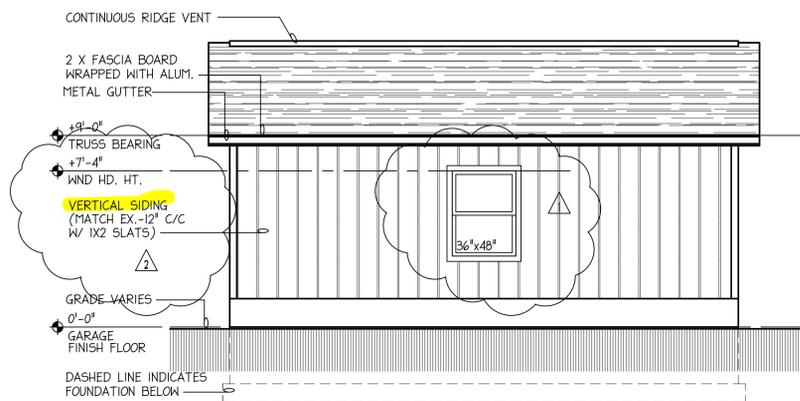
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**A102**

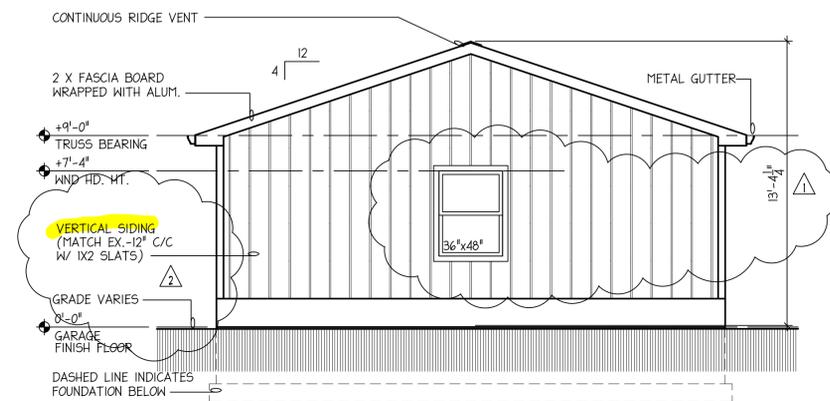
Scale: See Plan



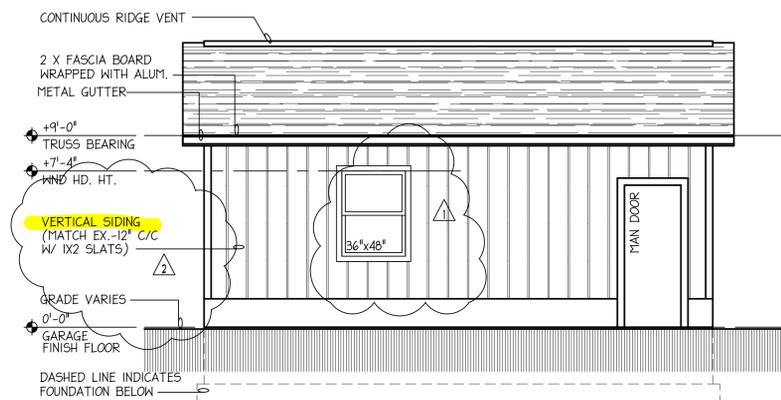
**A EXTERIOR 'FRONT' ELEVATION**  
 SCALE: 1/4"=1'-0"



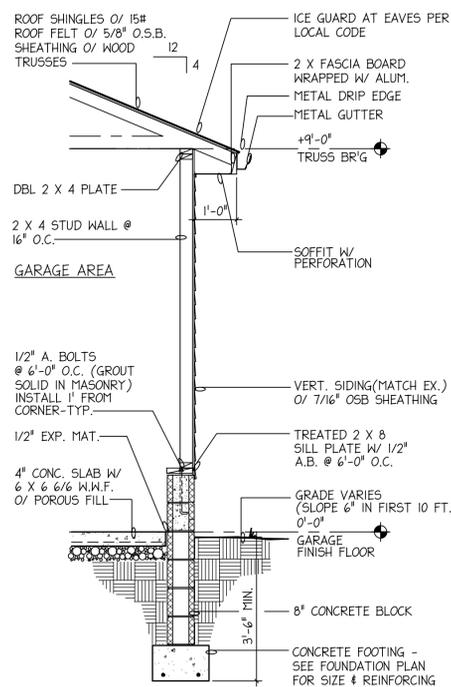
**B EXTERIOR 'SIDE' ELEVATION**  
 SCALE: 1/4"=1'-0"



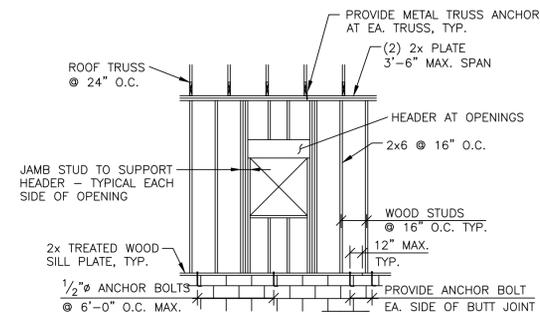
**C EXTERIOR 'REAR' ELEVATION**  
 SCALE: 1/4"=1'-0"



**D EXTERIOR 'SIDE' ELEVATION**  
 SCALE: 1/4"=1'-0"



**1 WALL SECTION**  
 SCALE: 1/2"=1'-0"



**TYPICAL WALL ELEVATION**

NOTES:

- AT WALL LOCATIONS WHERE MULTIPLE STUDS ARE REQUIRED TO SUPPORT VERTICAL LOADS, A CONTINUOUS LOAD PATH SHALL BE PROVIDED TO SUPPORT THOSE LOADS THROUGH THE STRUCTURE TO THE FOUNDATIONS. THIS MAY BE ACCOMPLISHED THROUGH THE USE OF RIM JOISTS, SQUASH BLOCKS OR OTHER APPROPRIATE MEANS BASE ON LOCATION AND DETAILING CONSIDERATIONS.
- PROVIDE A MINIMUM ONE STUD FOR EACH STUD OCCURRING ON THE FLOOR ABOVE UNLESS ADDITIONAL STUDS ARE ALSO REQUIRED.













**Plytanium<sup>®</sup> plywood exterior siding** is an exterior-grade panel that is ideal for siding applications from new home construction and remodeling to do-it-yourself projects.

**Available Types & Sizes** (Sized for 4' x 8')

<b>Length (Minimum)</b>	7'-11 <sup>7</sup> / <sub>8</sub> " (2.435 m)
<b>Width (Minimum)</b>	3'-11 <sup>7</sup> / <sub>8</sub> " (1.216 m)
<b>Siding Types</b>	T1-11 Reverse Board & Batten (RB & B) No Groove
<b>Finish</b>	Rough sawn or scratch sand
<b>Groove Spacing</b>	T1-11 – 4" on-center or 8" on-center RB & B – 12" on-center

**Building Code Performance Categories, Panel Thickness**

- 11/32 CAT, 0.328" (8.33 mm)
- 19/32 CAT, 0.578" (14.68 mm)

**Specifications**

<b>Length/Width Tolerance</b>	+0, -1 <sup>1</sup> / <sub>16</sub> " (+0, -1.6 mm), based on 4' or 8' value
<b>Straightness Tolerance</b>	±1 <sup>1</sup> / <sub>16</sub> " (±1.6 mm)
<b>Squareness Tolerance</b>	±1 <sup>1</sup> / <sub>8</sub> " (±3.2 mm)
<b>Primary Species</b>	Southern Yellow Pine
<b>Testing Agency</b>	APA <sup>®</sup> -The Engineered Wood Association
<b>Classification</b>	<b>Exterior</b> – Plywood suitable for repeated wetting and redrying or long-term exposure to weather and other conditions of similar severity.
<b>Code Fire Classification</b>	Class III or C
<b>Flame Spread Rating</b>	75-200, smoke-developed index <450
<b>Building Code Compliance</b>	PS 1-09

**Other Information**

**Forestry Certification** Plytanium siding panels are made from Sustainable Forestry Initiative<sup>®</sup> (SFI<sup>®</sup>) certified responsible wood sources.



**Formaldehyde Emission** Plytanium siding panels contain no added urea formaldehyde resins. Emission levels for certified PS 1 structural panels are exempt by the California Air Resources Board (CARB) in the Composite Wood Air Toxic Control Measure (ATCM) and phenolic bonded structural panels are exempt from testing or monitoring by HUD in the Manufactured Home Construction and Safety Standards.

**Manufacturing Locations**

Location	APA Mill Number	Zip Code	Harvest Radius
Camden, TX	515	75934	90 miles
Corrigan, TX	516	75939	90 miles
Dudley, NC	348	28333	80 miles
Emporia, VA	230	23847	40 miles
Gurdon, AR	517	71743	60 miles
Madison, GA	404	30650	100 miles
Prosperity, SC	329	29127	80 miles
Taylorsville, MS	282	39168	50 miles

CLASSIC™ STEEL

# PREMIUM

garage doors



America's Favorite Garage Doors®



*Model 9200, Short Elegant Panel with Optional Colonial 509 Window Design*

# intellicore®

## insulation technology

Clopay Classic™ Steel Premium garage doors featuring Intellicore® insulation technology represent the ultimate smart choice for homeowners. Clopay's Intellicore® insulation is a proprietary polyurethane foam that is injected into our Premium doors, expanding to fill the entire structure. The result is a door with incredible strength and durability. Its dense insulation also produces a quieter door, and with one of the industry's leading R-values of 18.4, it provides year-round comfort and improved energy efficiency.



### WARMER

Energy efficiency provides year-round comfort



### QUIETER

Dense insulation reduces noise by up to 16 decibels



### STRONGER

Enhanced strength resists everyday wear and tear

# PREMIUM

Improve your home's appearance and energy efficiency with a Clopay Classic™ Steel Premium insulated garage door. Available with Intellicore® polyurethane insulation or bonded polystyrene insulation in 2" or 1-3/8" thicknesses, Premium models offer exceptional insulating R-values, strength and security, as well as quiet operation and a beautiful appearance. Choose from two panel styles, multiple color options and a wide range of window options to create a door that fits your budget and enhances your home's curb appeal.

## 3-LAYER CONSTRUCTION

- Weathertight tongue-and-groove section joints help seal out wind, rain and snow.
- Replaceable vinyl bottom weatherseal in a rust-resistant aluminum retainer helps seal out the elements.
- 2" thick polystyrene and all Intellicore® polyurethane insulation filled doors come standard with 10-ball nylon rollers and heavy-duty 14 gauge steel hinges.
- Clopay's Safe-T-Bracket® helps prevent serious injury that could occur if the bottom bracket were removed with the garage door closed and under tension.
- Prepainted Standard White end stiles and interior steel backing create a clean, finished appearance.
- Inside/outside step plates and grip handles make doors easy and safe to operate.
- 2" thick polystyrene and all Intellicore® polyurethane insulation filled doors comply with 2015 IECC air infiltration requirement of 0.40 cfm/ft<sup>2</sup> or less (IECC, Section C402.5.2).



2" 1-3/8"  
Polyurethane Models

2" 1-3/8"  
Bonded Polystyrene Models

27 GAUGE STEEL*	9200 short panel	R-VALUE*
	9203 long panel	
2"		18.4
POLYURETHANE INSULATION		

27 GAUGE STEEL*	4300 short panel	R-VALUE*
	4310 long panel	
2"		9.0
POLYSTYRENE INSULATION		

27 GAUGE STEEL*	9130 short panel	R-VALUE*
	9133 long panel	
1 3/8"		12.9
POLYURETHANE INSULATION		

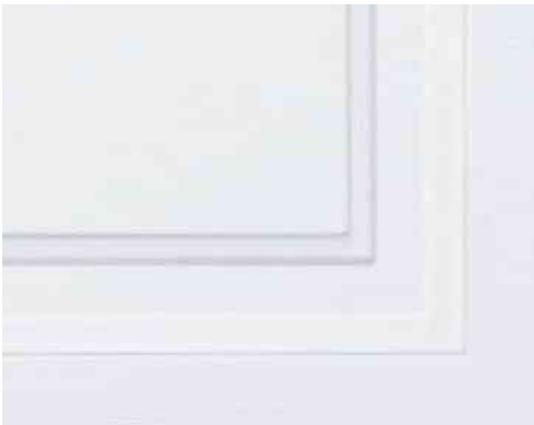
27 GAUGE STEEL*	4050 short panel	R-VALUE*
	4053 long panel	
1 3/8"		6.5
POLYSTYRENE INSULATION		

\* Calculated door section R-value is in accordance with DASMA TDS-163.  
\* Models with Ultra-Grain® finish and Black paint options are 25 gauge steel.



*Model 9203, Long Elegant Panel with  
Optional Charleston 608 Window Design*

## DETAIL



Deep panel edging and natural embossed woodgrain texture improve appearance close-up and from the curb.

## STYLE



### **Elegant Short**

Complements homes with traditional styling. Models 9200, 9130, 4300 and 4050.



### **Elegant Long**

Ideal for ranch style homes. Models 9203, 9133, 4310 and 4053.

*Doors range from 6' to 16' high and 6'2" to 20' wide. Consult your Clopay Dealer for size options.  
WINDCODE® Doors are available to meet most regional wind load requirements.  
Consult your local dealer for specific information.*

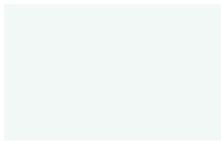


Model 4050, Short Elegant Panel  
with Optional Colonial 509 Window Design

## COLORS



Standard White



Glacier White\*\*



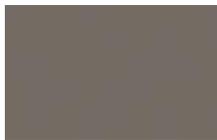
Almond



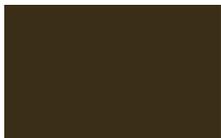
Desert Tan



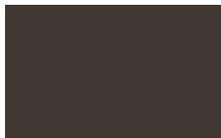
Sandtone



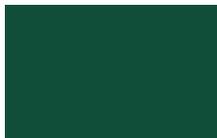
Bronze



Chocolate



Mocha Brown\*



Hunter Green



Gray



Charcoal\*



Black\*\*

- Exterior steel on standard color doors has a natural woodgrain texture.
- Doors can be painted to match the home's exterior using a high-quality latex exterior paint. Do not use oil-based paint.

*Due to the printing process, colors may vary. See your Clopay Dealer for color samples.*

*\*Not available on Models 4050 and 4053.*

*\*Popular in select markets, Glacier White is a brighter white.*

*\*\*Additional charges apply.*

## CUSTOM PAINT OPTION



Color Blast® finish offers more than 1,500 Sherwin-Williams® color options to complement your home. Clopay's durable two-part paint system has been thoroughly tested and is backed by a five-year warranty.



## ULTRA-GRAIN® FINISH OPTION



Classic Medium Finish



Classic Cherry Finish



Classic Walnut Finish

*Due to the printing process, colors may vary.  
Not available on Models 4050 or 4053.  
Additional charges apply.*

- Painted steel surface simulates a real stained door without the need of staining and the ongoing maintenance of wood.
- The oak woodgrain pattern runs horizontal along the rails and vertical along the stiles and panels for an authentic, natural look.
- Available in Medium, Cherry or Walnut Classic finishes that complement Clopay Entry Doors, shutters and other exterior stained wood products.
- Exterior steel surface on an Ultra-Grain® finish door has a stucco texture to create a more natural woodgrain appearance.



*Model 4300, Short Elegant Panel;  
Shown in Ultra-Grain® Classic Cherry Finish*



Model 9200, Short Elegant Panel with Plain Short Windows;  
Shown in Ultra-Grain® Classic Cherry Finish

## RUST-PREVENTION SYSTEM



Steel skins are protected through a tough, layered coating system, including a hot-dipped galvanized layer, a protective metal oxide pretreatment and a baked-on primer and top coat.

## GREATER ENERGY EFFICIENCY



Thermal break\* separates the interior from the exterior skin to improve energy efficiency and comfort.

*\*Thermal break is not present on Models 4050 and 4053.*

## ENVIRONMENTAL ASSURANCE

Clopay doors are compliant with environmental laws and regulations. Clopay doors do not contain HFCs. All Clopay doors are compliant with:

- California SB 1013
- New Jersey A-5583/S-3919 – Greenhouse Gas Bill
- Washington HB 1112 – Hydrofluorocarbon Greenhouse Gas Emissions
- Canadian regulations amending the ozone-depleting substances and halocarbon alternatives regulations

## WARRANTIES

PAINT SYSTEM	WINDOW	HARDWARE
LIMITED <b>LIFE</b> WARRANTY	LIMITED <b>10YR</b> WARRANTY	LIMITED <b>3YR</b> WARRANTY



Thermal Performance/Energy Star Qualification Chart - 2016 criteria

Intercept Spacer

Double Pane										Triple Pane																					
Supreme <sup>1</sup>					Supreme <sup>1</sup> Triple					Ultimate <sup>1</sup>					Ultimate <sup>1</sup> Plus																
C/7036-AR					C/C/7036-AR					C/7036/7036-AR					C/7036/7036-AR																
U-Value	SHGC	VT	CR	N	NC	SC	S	U-Value	SHGC	VT	CR	N	NC	SC	S	U-Value	SHGC	VT	CR	N	NC	SC	S	U-Value	SHGC	VT	CR	N	NC	SC	S

Double Hung Window Performance

UltraWeld	2.5 mm	No Grid	0.30	0.37	0.52	56			0.26	0.35	0.48	62				0.21	0.30	0.41	65				0.19	0.30	0.41	67				
		Grid	0.30	0.33	0.47	56			0.26	0.31	0.43	62				0.22	0.27	0.36	65				0.19	0.27	0.36	67				
	3 mm	No Grid	0.29	0.36	0.52	55			0.26	0.34	0.48	60				0.22	0.29	0.41	64				0.19	0.30	0.41	65				

Slider Window Performance

UltraWeld	2.5 mm	No Grid	0.30	0.36	0.52	56			0.25	0.34	0.47	61				0.21	0.29	0.41	65				0.19	0.29	0.41	67				
		Grid	0.30	0.33	0.46	56			0.26	0.31	0.42	61				0.22	0.26	0.36	65				0.19	0.26	0.36	67				
	3 mm	No Grid	0.29	0.36	0.52	55			0.26	0.34	0.47	60				0.22	0.29	0.40	63				0.19	0.29	0.40	66				

Picture Window Performance

UltraWeld	2.5 mm	No Grid	0.28	0.42	0.60	59			0.22	0.39	0.55	66				0.17	0.34	0.47	71				0.15	0.34	0.47	73				
		Grid	0.28	0.38	0.54	59			0.22	0.36	0.49	66				0.17	0.31	0.42	71				0.15	0.31	0.42	73				
	3 mm	No Grid	0.27	0.42	0.60	59			0.23	0.39	0.55	65				0.18	0.34	0.47	70				0.15	0.34	0.47	72				

Casement Picture Window Performance

UltraWeld	2.5 mm	No Grid	0.28	0.39	0.55	60			0.22	0.36	0.50	67				0.18	0.31	0.43	72				0.16	0.31	0.43	72				
		Grid	0.28	0.35	0.49	60			0.23	0.33	0.45	67				0.18	0.28	0.38	72				0.16	0.28	0.38	72				
	3 mm	No Grid	0.27	0.38	0.55	59			0.23	0.36	0.50	66				0.19	0.31	0.43	70				0.16	0.31	0.43	72				

Casement Window Performance

UltraWeld	2.5 mm	No Grid	0.27	0.33	0.47	59			0.23	0.31	0.43	64				0.19	0.27	0.36	69				0.17	0.27	0.36	71				
		Grid	0.27	0.30	0.42	59			0.23	0.28	0.39	64				0.19	0.24	0.33	69				0.17	0.24	0.33	71				
	3 mm	No Grid	0.27	0.33	0.46	58			0.23	0.31	0.42	62				0.20	0.26	0.36	67				0.17	0.27	0.36	70				

Awning Window Performance

UltraWeld	2.5 mm	No Grid	0.27	0.33	0.47	56			0.23	0.31	0.43	65				0.19	0.27	0.36	69				0.17	0.27	0.36	71				
		Grid	0.27	0.30	0.42	56			0.23	0.28	0.39	65				0.19	0.24	0.33	69				0.17	0.24	0.33	71				
	3 mm	No Grid	0.27	0.33	0.46	55			0.23	0.31	0.42	64				0.20	0.26	0.36	67				0.17	0.27	0.36	70				

Patio Door Performance

UltraWeld	3 mm	No Grid	0.31	0.39	0.56	55			0.27	0.37	0.51	58				0.23	0.31	0.43	58				0.19	0.32	0.43	59				
		Grid	0.31	0.35	0.49	55			0.29	0.33	0.45	58				0.24	0.28	0.38	58				0.19	0.28	0.38	59				

## SMOOTH FIBERGLASS ENTRY DOOR SIZES

2/8, 3/0

2/8, 3/0

2/8, 3/0

3/0

3/0

3/0

3/0



VS6028 / VS6030  
Satin Nickel Hinges



VS61M28 / VS61M30  
Satin Nickel Hinges



VS61MB28 / VS61MB30  
Satin Nickel Hinges



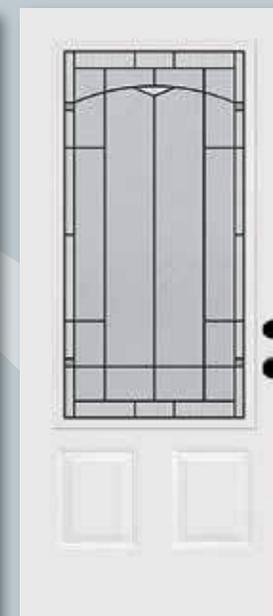
VS70M30  
Satin Nickel Hinges



VS91GR30  
Satin Nickel Hinges/Caming



VS61MA30  
Brass Hinges/Caming



VS81TO30  
Patina Caming  
Aged Bronze Hinges

## FEATURES & BENEFITS

### • Dura-Tech™

- Alaskan Yellow Cypress, rot resistant
- Dura-Tech offers the strength & rigidity of wood with the low maintenance attributes of PVC components.

### • Composite Adjustable Sill

- These technologically advanced sills are made up of all-composite substrates, synthetic caps and nosing.
- These integrated materials prevent the sill from rotting, warping, or deteriorating over time.



### • All doors have steel reinforcement plates

- For additional security

### • All doors are double bore standard

- Adds protection and security

### • Permanent waterproof adhesive

- Lifetime rot resistant

### • Ball Bearing Hinges

- More durable, better performing and less noisy than standard hinges.

### • Pre-finished doors are paintable

- Protected by UV resistant topcoats

### • Available in 49/16" ONLY



### DESCRIPTION

Information included in this product data sheet was current at time of printing.

To obtain a copy of the most current version of this product data sheet, visit us online at [tamko.com](http://tamko.com) or call us at 800-641-4691.

**HERITAGE®** shingles have a fiberglass mat construction with a random-cut sawtooth design. Two layers of mat are coated with asphalt, surfaced with mineral granules and then laminated together. Also includes a self-sealing strip of asphalt.

- Wood-shake look and beauty
- Shadowtone feature adds dimension, depth of appearance and curb appeal
- Limited Lifetime Warranty & Arbitration Agreement\*
- 10-year Full Start™ Period
- 10-year Algae Cleaning Limited Warranty

**USES:** For application to roof decks with inclines of 2 inches per foot or greater.

- For slopes between 2-4 inches per foot—see “Low Slope Application” section of the Application Instructions.
- For slopes greater than 21 inches per foot—see “Mansard Roof or Steep Slope Roof” section of the Application Instructions.

**SHINGLES BEGIN TO AGE AS SOON AS THEY ARE EXPOSED TO NATURE. BUILDINGS EXPERIENCE AGING FACTORS DIFFERENTLY, SO IT IS DIFFICULT TO PREDICT HOW LONG SHINGLES WILL LAST. THAT'S WHY TAMKO PROVIDES A LIMITED WARRANTY FOR MANY PRODUCTS, THAT INCLUDES A BINDING ARBITRATION CLAUSE AND OTHER TERMS AND CONDITIONS WHICH ARE INCORPORATED HEREIN BY REFERENCE. YOU MAY OBTAIN A COPY OF THE LIMITED WARRANTY AT TAMKO.COM OR BY CALLING 1-800-641-4691.**

\*Limited Lifetime only applies to single-family structures. See TAMKO's Limited Warranty for complete details.

### COLORS

#### AMERICA'S NATURAL COLORS

- Autumn Brown
- Black Walnut
- Harvest Gold
- Mountain Slate
- Natural Timber
- Painted Desert
- Thunderstorm Grey

#### CLASSIC HERITAGE COLORS

- Desert Sand
- Glacier White\*
- Olde English Pewter
- Rustic Black
- Rustic Brown
- Rustic Cedar
- Rustic Evergreen
- Rustic Redwood
- Rustic Slate
- Weathered Wood



\*Glacier White is rated by the Cool Roof Rating Council.

### TECHNICAL INFORMATION

UL Listed for Class A Fire Rating:	UL 790/ASTM E108, Class A
UL Classified for Wind Resistance:	ASTM D7158, Class H and ASTM D3161, Class F
UL Classified in accordance with:	ASTM D3462 and ICC-ES Acceptance Criteria AC438
UL Evaluation Reports:	UL ER2919-01 and UL ER2919-02
Florida Building Code Approved:	FL18355

(CONTINUED ON NEXT PAGE)

**WARNING:** Use of this product in an assembly that includes polyurethane foam insulation (including without limitation an application directly to the underside of a roof deck or within a wall assembly) may cause premature degradation or failure of this product. We are investigating compatibility of polyurethane foams with our asphalt building products. Chemical incompatibility, off-gassing after application and excess heat during and after application of polyurethane foams may affect the performance of asphalt and modified asphalt building products and metal fasteners used with those products.



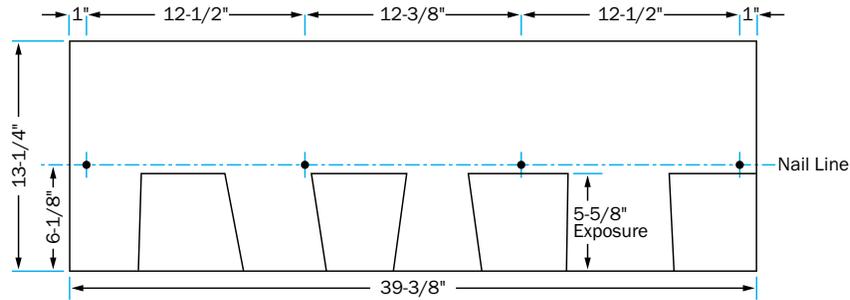
**IMPORTANT SAFETY INFORMATION:** Do not install until all appropriate safety precautions have been read and understood. [The TAMKO Safety Data Sheet \(SDS\) is available at tamko.com/sds](http://tamko.com/sds). Always use appropriate fall protection equipment and wear appropriate personal protective equipment (PPE) when working with this product. Moisture, frost, debris or other material will decrease the traction and can cause slippery conditions when walking on the product. **Applicator safety is of utmost importance.**

**WARNING:** This product contains crystalline silica and formaldehyde. Crystalline silica and formaldehyde have been classified as “known human carcinogens” by the International Agency for Research on Cancer (IARC) and the National Toxicology Program. This product also contains oxidized asphalt. Occupational exposure to oxidized asphalt and its emissions during roofing have been classified by IARC as a “probable human carcinogen”. Oxidized asphalt also contains Polycyclic Aromatic Hydrocarbons some of which have been classified by IARC as “known” or “probable human carcinogen”. The physical nature of this product may help limit any inhalation or dermal hazard during application and/or removal. However, physical forces such as sawing, grinding or drilling during demolition work and heating or burning may increase the inhalation or dermal exposure hazard of this product. Take precautions to prevent breathing and contact with skin.



P.O. Box 1404  
Joplin, MO 64802-1404  
800-641-4691  
[tamko.com](http://tamko.com)

#### PRODUCT DATA



Shingle size†	13-1/4" × 39-3/8"
Exposure	5-5/8"
Each bundle contains	Minimum of 20 shingles
20 shingles covers††	30.76 sq. ft.
One Sales Square covers††	98.4 sq. ft.
Bundles per Sales Square	3
Shingles per Sales Square	64 (1 bundle of 20 shingles and 2 bundles of 22 shingles)

† Subject to manufacturing variation

†† When applied according to application instructions



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