

MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION
STAFF REPORT

Address:	23411 Ridge Road, Cedar Grove	Meeting Date:	4/6/2022
Resource:	Contributing Resource (Cedar Grove Historic District)	Report Date:	3/30/2022
Applicant:	Jared Wells	Public Notice:	3/23/2022
Review:	HAWP	Tax Credit:	No
Permit Number:	986499	Staff:	Michael Kyne
PROPOSAL:	Construction of new accessory building and new hardscape		

STAFF RECOMMENDATION:

Staff recommends that the HPC **approve** the HAWP application.

ARCHITECTURAL DESCRIPTION:

SIGNIFICANCE: Contributing Resource within the Cedar Grove Historic District (Obed/Beall House)
STYLE: Simplified Queen Anne
DATE: Pre-1900



Fig. 1: Subject property.

PROPOSAL:

The applicant proposes to construct a 12' x 16' shed with vinyl siding at the northeast (rear/left, as viewed from the public right-of-way of Ridge Road) side of the subject property and extend the existing driveway 10' x 20' for an additional parking spot.

APPLICABLE GUIDELINES:

When reviewing alterations and new construction with the Cedar Grove Historic District, several documents are to be utilized as guidelines to assist the Commission in developing their decision. These documents include *Montgomery County Code Chapter 24A (Chapter 24A)* and *the Secretary of the Interior's Standards for Rehabilitation (Standards)*. The pertinent information in these documents is outlined below.

Montgomery County Code; Chapter 24A-8

- (b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to ensure conformity with the purposes and requirements of this chapter, if it finds that:
 - (1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or
 - (2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or
 - (3) The proposal would enhance or aid in the protection, preservation and public or private utilization of the historic site or historic resource located within an historic district in a manner compatible with the historical, archeological, architectural or cultural value of the historic site or historic district in which an historic resource is located; or
 - (4) The proposal is necessary in order that unsafe conditions or health hazards be remedied; or
 - (5) The proposal is necessary in order that the owner of the subject property not be deprived of reasonable use of the property or suffer undue hardship; or
 - (6) In balancing the interests of the public in preserving the historic site or historic resource located within an historic district, with the interests of the public from the use and benefit of the alternative proposal, the general public welfare is better served by granting the permit.
- (c) It is not the intent of this chapter to limit new construction, alteration or repairs to any 1 period or architectural style.
- (d) In the case of an application for work on an historic resource located within an historic district, the commission shall be lenient in its judgment of plans for structures of little historical or design significance or for plans involving new construction, unless such plans would seriously impair the historic or architectural value of surrounding historic resources or would impair the character of the historic district. (Ord. No. 9-4, § 1; Ord. No. 11-59.)

Secretary of the Interior's Standards for Rehabilitation:

The Secretary of the Interior defines rehabilitation as “the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features, which convey its historical, cultural, or architectural values.” The *Standards* are as follows:

2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.
9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.
10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

STAFF DISCUSSION:

The subject property is a pre-1900 simplified Queen Anne-style Contributing Resource within the Cedar Grove Historic District. The house, historically known as the Obed/Beall House, is currently clad with 4” Dutch lap vinyl siding, which was installed prior to the historic district’s designation in 1990.

The applicant proposes the following work items at the subject property:

Shed Construction

A new shed is proposed to be constructed at the northeast (rear/left, as viewed from the public right-of-way of Ridge Road) side of the subject property, where it will be visible when approaching the property from the north. The shed will be 12’ x 16’ and clad with 4” clapboard vinyl siding, taking cues from the original clapboard wood siding on the historic house (currently covered with 4” Dutch lap vinyl siding). The gables will be covered with 6” cedar look vinyl shakes, and the roof will be standing seam metal to match the historic house.

Driveway Extension

The existing asphalt driveway is proposed to be extended 10’ x 20’ for an additional parking spot at the northeast (rear/left) side of the subject property.

Staff supports the applicant’s proposal, finding that, although the proposed new shed will be visible from the public right-of-way of Ridge Road, when approaching the property from the north, it is at the rear of the house and far removed from the public right-of-way. The proposed materials are generally compatible with the historic house, in terms of appearance, and the proposal will not detract from the character of the subject property, in accordance with *Standards* #2 and #9. Per *Standard* #10, the proposed new shed can be removed in the future without impairing the essential form and integrity of the historic property and its environment. The proposed driveway extension is at grade, and it will not be visible from the public right-of-way.

After full and fair consideration of the applicant’s submission, staff finds the proposal as being consistent with the Criteria for Issuance in Chapter 24A-8(b), (1), (2), and (d) and with the *Secretary of the*

Interior's Standards for Rehabilitation #2, #9, and #10, as outlined above

STAFF RECOMMENDATION:

Staff recommends that the Commission **approve** the HAWP application under the Criteria for Issuance in Chapter 24A-8(b), (1), (2) & (d), having found that the proposal will not substantially alter the exterior features of the historic resource and is compatible in character with the district and the purposes of Chapter 24A;

and with the *Secretary of the Interior's Standards for Rehabilitation #2, #9, and #10*;

and with the general condition that the applicant shall present an electronic set of drawings, if applicable, to Historic Preservation Commission (HPC) staff for review and stamping prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

and with the general condition that final project design details, not specifically delineated by the Commission, shall be approved by HPC staff or brought back to the Commission as a revised HAWP application at staff's discretion;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make any alterations to the approved plans. Once the work is completed the applicant will contact the staff person assigned to this application at 301-563-3400 or michael.kyne@montgomeryplanning.org to schedule a follow-up site visit.



FOR STAFF ONLY:
HAWP# 986499
DATE ASSIGNED _____

**APPLICATION FOR
HISTORIC AREA WORK PERMIT**
HISTORIC PRESERVATION COMMISSION
301.563.3400

APPLICANT:

Name: Jared Wells
Address: 23411 Ridge Road
Daytime Phone: 2408135501

E-mail: jsw1122ecu@gmail.com
City: Germantown Zip: 20876
Tax Account No.: 00928071

AGENT/CONTACT (if applicable):

Name: _____
Address: _____
Daytime Phone: _____

E-mail: _____
City: _____ Zip: _____
Contractor Registration No.: _____

LOCATION OF BUILDING/PREMISE: MIHP # of Historic Property #14-27

Is the Property Located within an Historic District? Yes/District Name Cedar Grove Historic District
No/Individual Site Name

Is there an Historic Preservation/Land Trust/Environmental Easement on the Property? If YES, include a map of the easement, and documentation from the Easement Holder supporting this application.

Are other Planning and/or Hearing Examiner Approvals /Reviews Required as part of this Application? (Conditional Use, Variance, Record Plat, etc.?) If YES, include information on these reviews as supplemental information.

Building Number: 23411 Street: Ridge Road
Town/City: Cedar Grove Nearest Cross Street: Davis Mill Rd
Lot: P938 Block: _____ Subdivision: _____ Parcel: _____

TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:

- | | | |
|---|--|---|
| <input type="checkbox"/> New Construction | <input type="checkbox"/> Deck/Porch | <input checked="" type="checkbox"/> Shed/Garage/Accessory Structure |
| <input type="checkbox"/> Addition | <input type="checkbox"/> Fence | <input type="checkbox"/> Solar |
| <input type="checkbox"/> Demolition | <input type="checkbox"/> Hardscape/Landscape | <input type="checkbox"/> Tree removal/planting |
| <input type="checkbox"/> Grading/Excavation | <input type="checkbox"/> Roof | <input type="checkbox"/> Window/Door |
| | | <input checked="" type="checkbox"/> Other: <u>Additional Asphalt Driveway</u> |

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

Signature of owner or authorized agent

08Mar22

Date

5

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFYING
 [Owner, Owner's Agent, Adjacent and Confronting Property Owners]

Owner's mailing address Jared Wells 23411 Ridge Road Germantown, MD 20876	Owner's Agent's mailing address
Adjacent and confronting Property Owners mailing addresses	
Lisa & James Bennett 23401 Ridge Road Germantown, MD 20876	David Cheam 23412 Ridge Road Germantown, MD 20876

Adjacent and Confronting Properties:

Germantown, MD 20876

23401 Ridge Road

23406 Ridge Road

23412 Ridge Road

23418 Ridge Road

Description of Property: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property:

1890 Farm house in the cedar grove historic district. Property sits up on a hill and is two stories, with one shed in the north corner of the property.

Description of Work Proposed: Please give an overview of the work to be undertaken:

Would like to construct a 12 x 16 single story shed with a 12/12 gable style roof. Shed will contain one or two doors along the right side, and a roll up garage door in the front. Will have 2 windows on the left and one window in the back. Shed will sit atop sunken 6x6's with a wood flooring. Shed will not have a permanent foundation. Per past pictures, the property previously had a shed in roughly the same exact location. Previous shed ran north to south and this shed will run east to west in that same location.

In front of the proposed shed, I would like to add an additional 10x20 section of asphalt driveway to fit one additional parking spot. Increased driveway space would not be visible from the road.

Work Item 1: Shed

Description of Current Condition:

Does not exist. Shed previously existed in the same location of the property. Was removed prior to historic designation of the district.

Proposed Work: Construct a 12x16 shed.

Work Item 2: Driveway addition

Description of Current Condition: Current asphalt driveway with turnaround.

Proposed Work: Would like to extend the top of the driveway to add one additional parking spot. Area is roughly 10 x 20.

Work Item 3: NA

Description of Current Condition:

Proposed Work:

HISTORIC AREA WORK PERMIT CHECKLIST OF APPLICATION REQUIREMENTS

	Required Attachments						
Proposed Work	I. Written Description	2. Site Plan	3. Plans/ Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/ Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/ Parking Area	*	*		*	*	*	*
Grading/Excavation/ Landscaping	*	*		*	*	*	*
Tree Removal	*	*		*	*	*	*
Siding/ Roof Changes	*	*	*	*	*		*
Window/ Door Changes	*	*	*	*	*		*
Masonry Repair/ Repoint	*	*	*	*	*		*
Signs	*	*	*	*	*		*

DESCRIPTION HAS A
MISCLOSURE OF 2.39'

S 14° E 180.88' (C)
S 14° E 182.23' (D)

22'x12'
SHED

12 x 20 Shed ->

~10 x 20 Asphalt
Driveway ----->

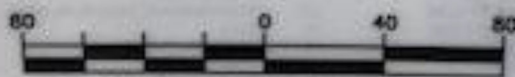
ASPHALT D/W

LIBER 5074,
FOLIO 212

N 9°48'40" E 261.59' (D)

RIDGE ROAD
(80' R/W)

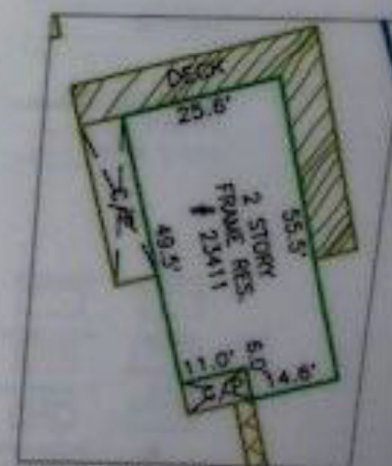
S 79°10'20" W 207.00' (D)



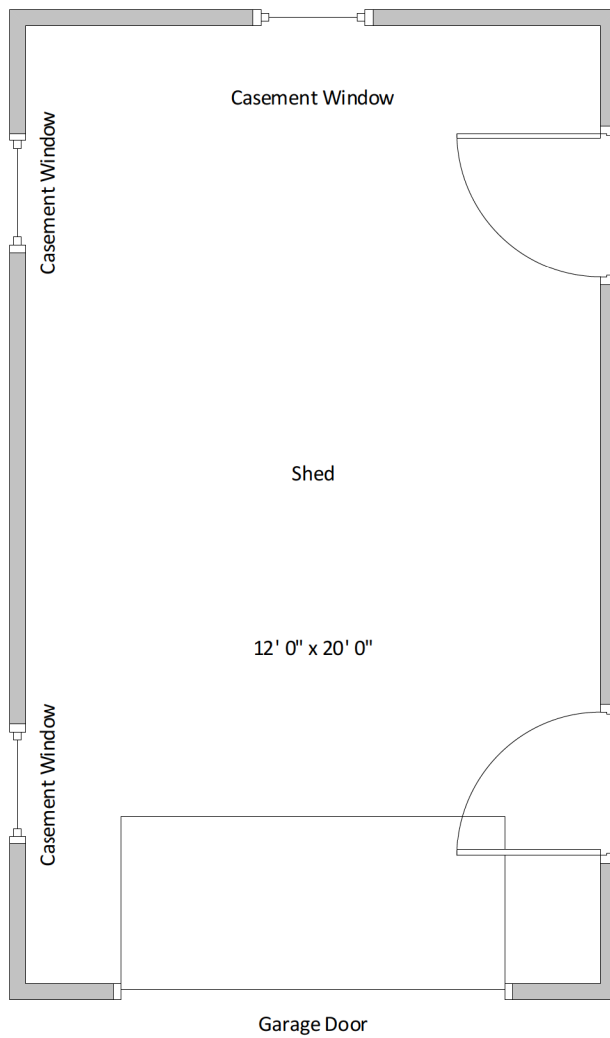
GRAPHIC SCALE (In Feet)

1 inch = 80' ft.

ACCURACY=3±



SCALE: 1"=40'



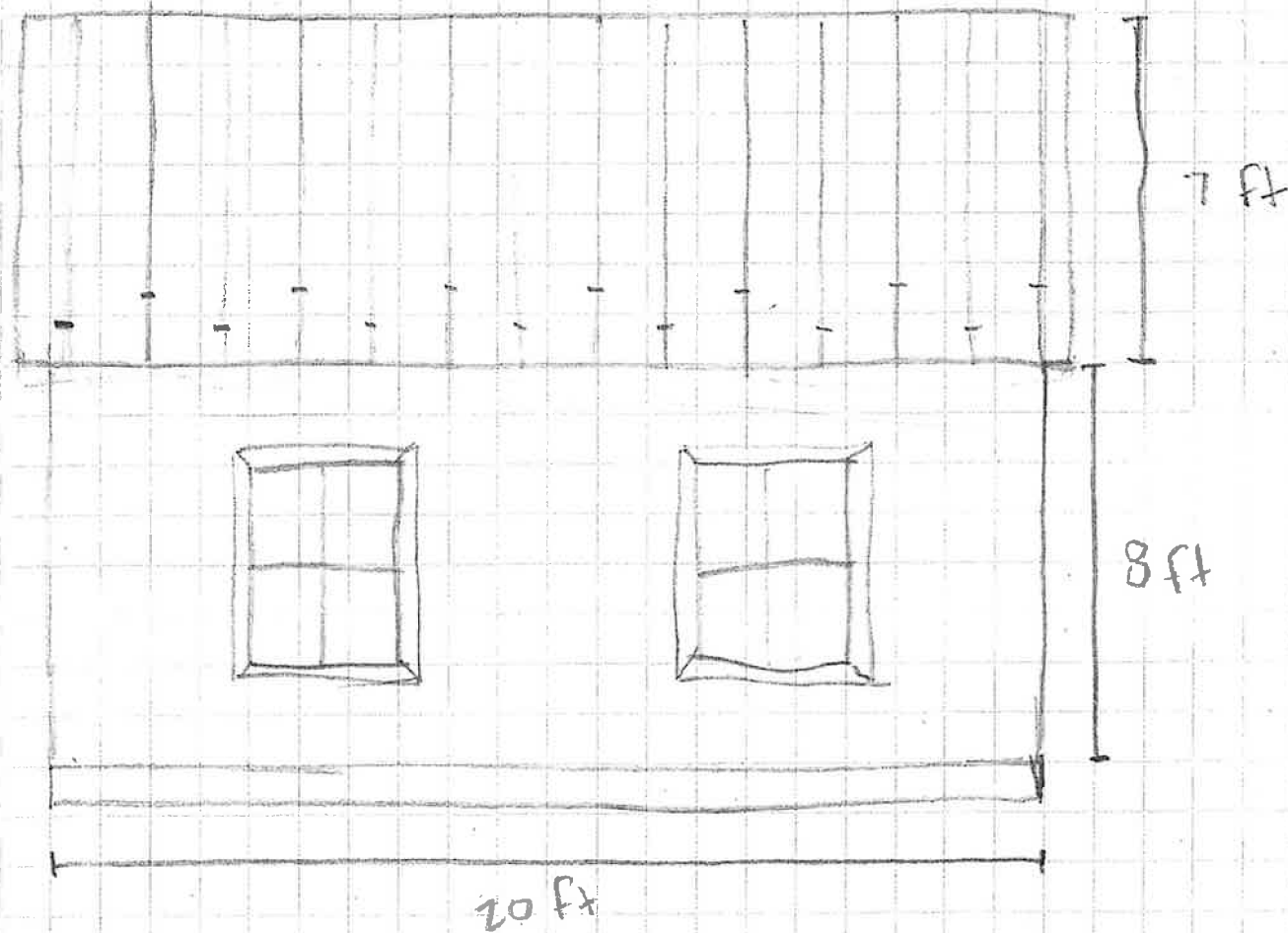
Plans for shed

- 12 ft x 20 ft
- Two doors on right side
- Roll up garage door on front
- Two windows on left side
- One window in the back

ELEVATION #1

View from driveway

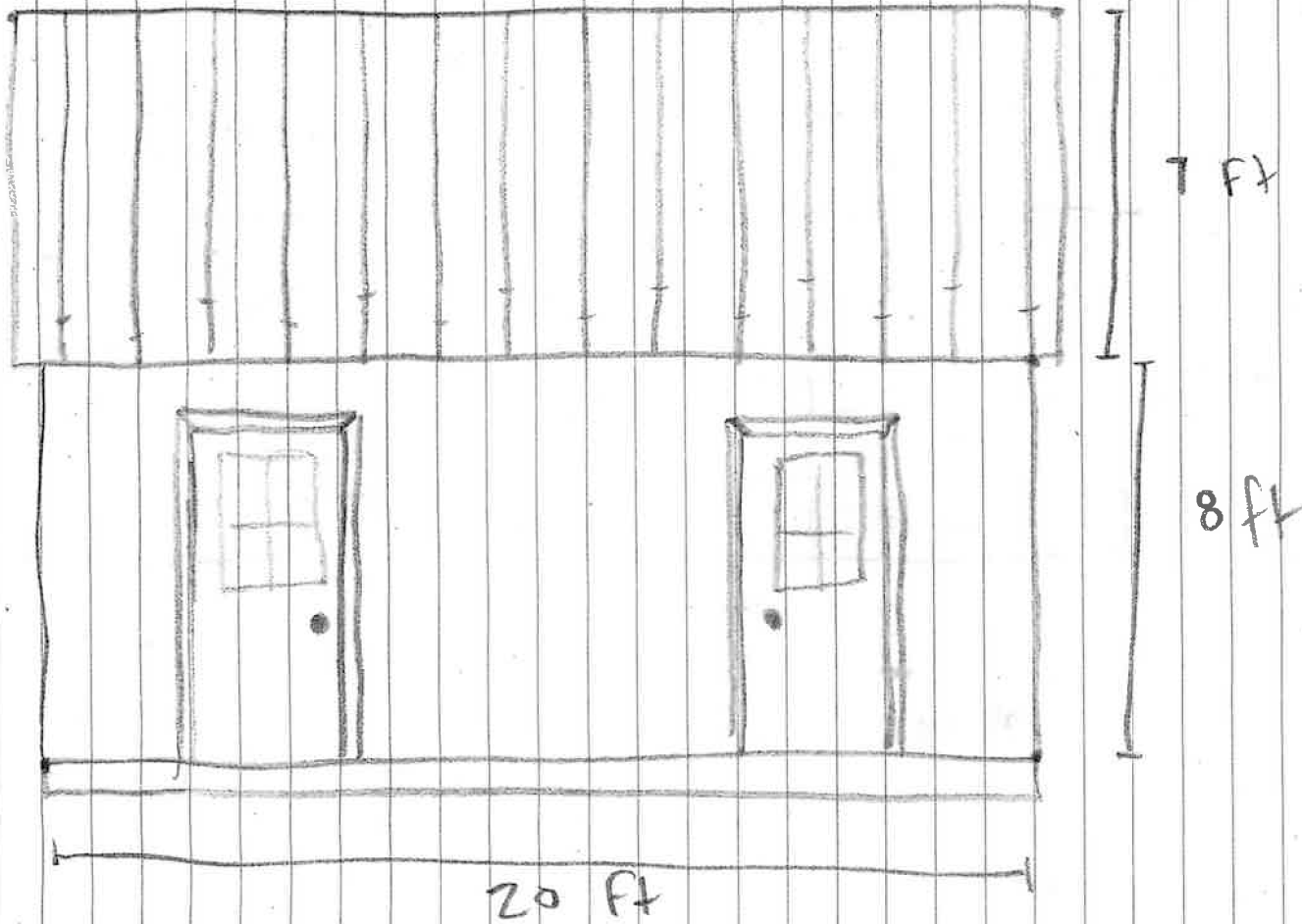
looking toward the house.



Drawing
is to
scale

ELEVATION # 2

View looking down
the driveway from the house

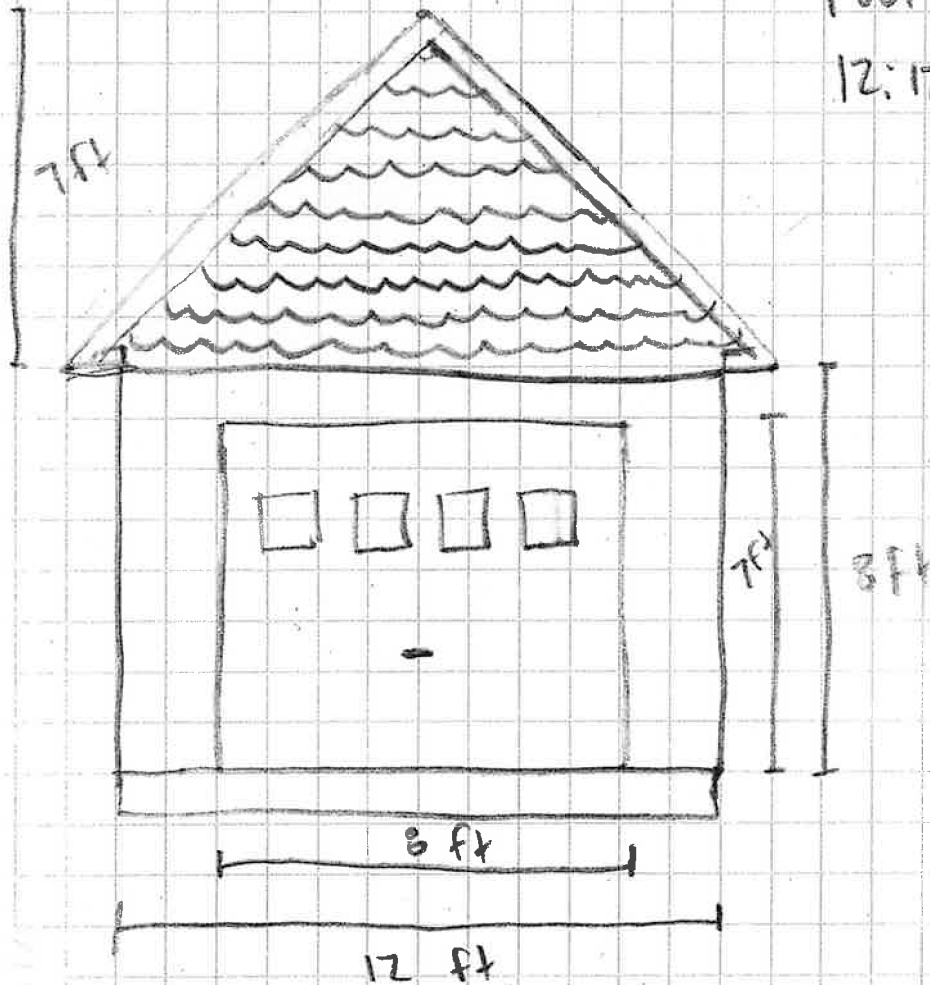


Drawing
is
to
Scale

ELEVATION # 3

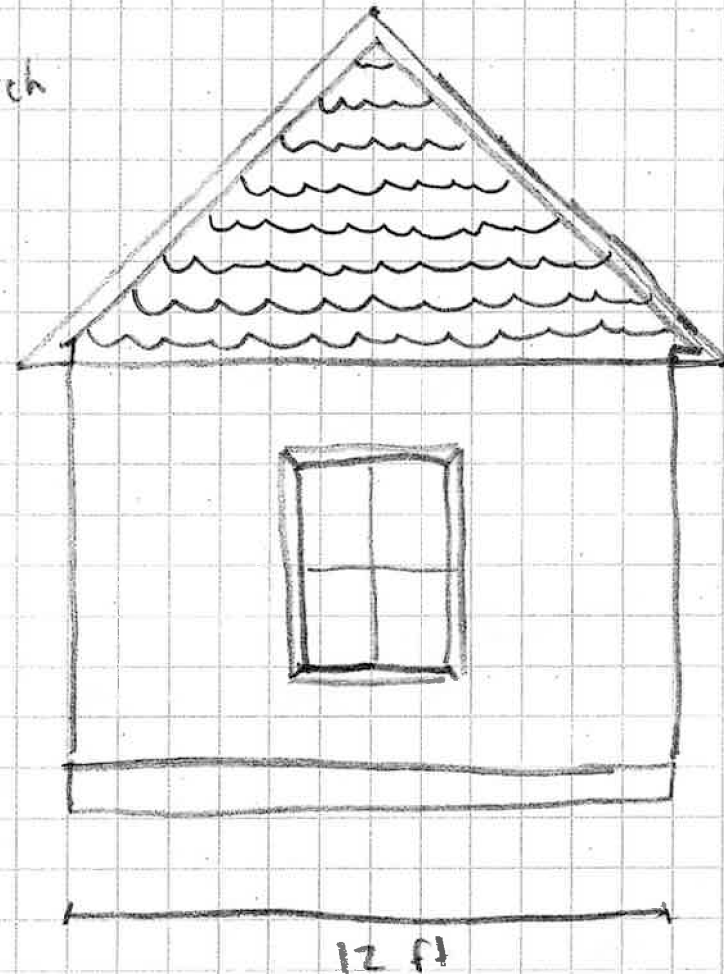
Drawing is to scale

View from road



roof is
12:12 pitch

Back side from road





View from across the street (23412 Ridge Road). The camper is sitting in the exact location of the proposed shed.



View from driveway. The camper is sitting in the exact location of the proposed shed.



View from the turn around. The requested asphalt driveway will be placed in the area highlighted in the red box.

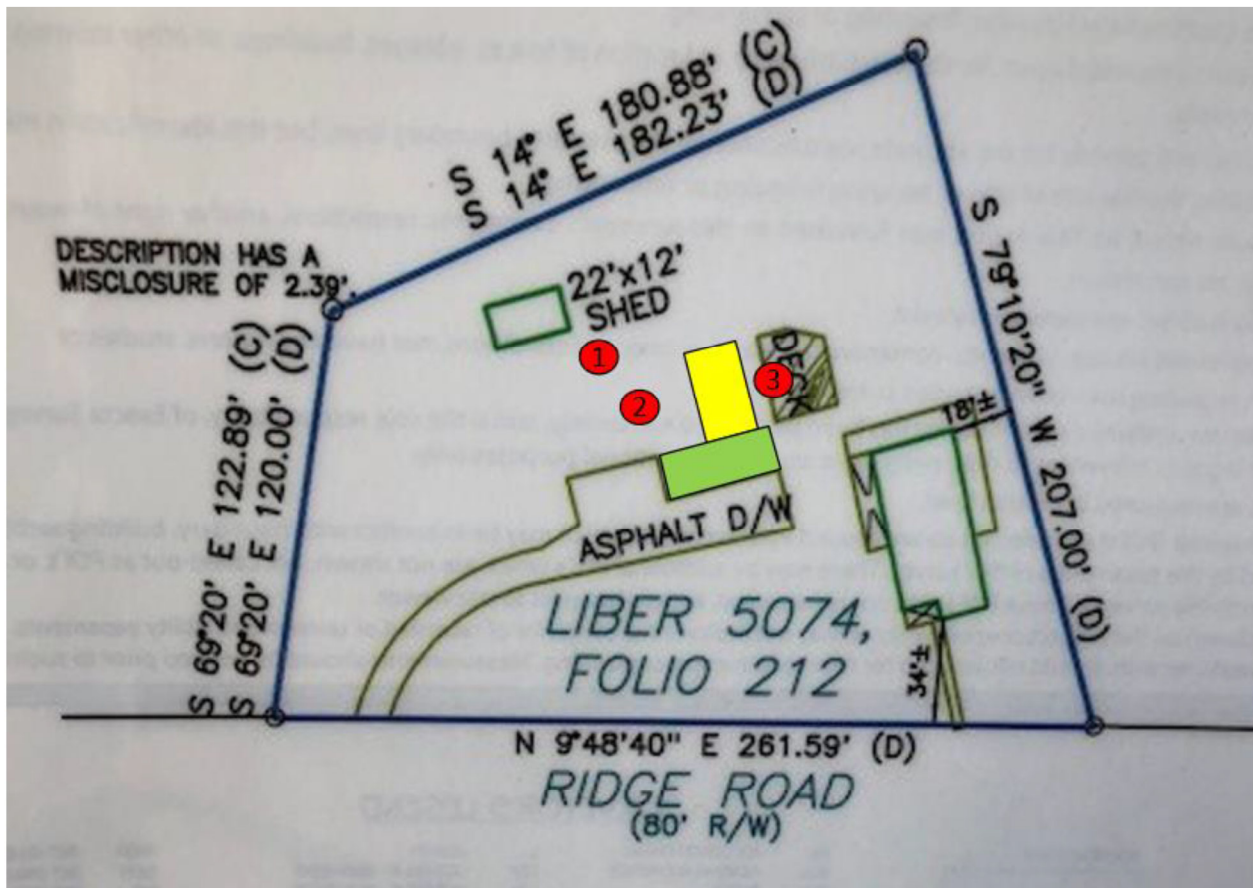


Location of the proposed shed would be where the camper is currently sitting. The requested driveway would be in the area highlighted in red.



View from driveway taken in approximately 1987 showing the original white shed in the same location of the proposed shed. While previous shed runs north to south, the proposed shed will run east to west. The proposed size of the shed is very similar to the one shown in picture. The shed shown in this picture was removed prior to the designation of the Cedar Grove Historic district in 1991.

Tree Survey



No trees will be impacted with the existing shed and driveway proposal.

The following trees are nearby the proposed shed and > 6 inches in diameter at chest height:

- 1 – Maple Tree
- 2 – Oak Tree
- 3 – Maple Tree

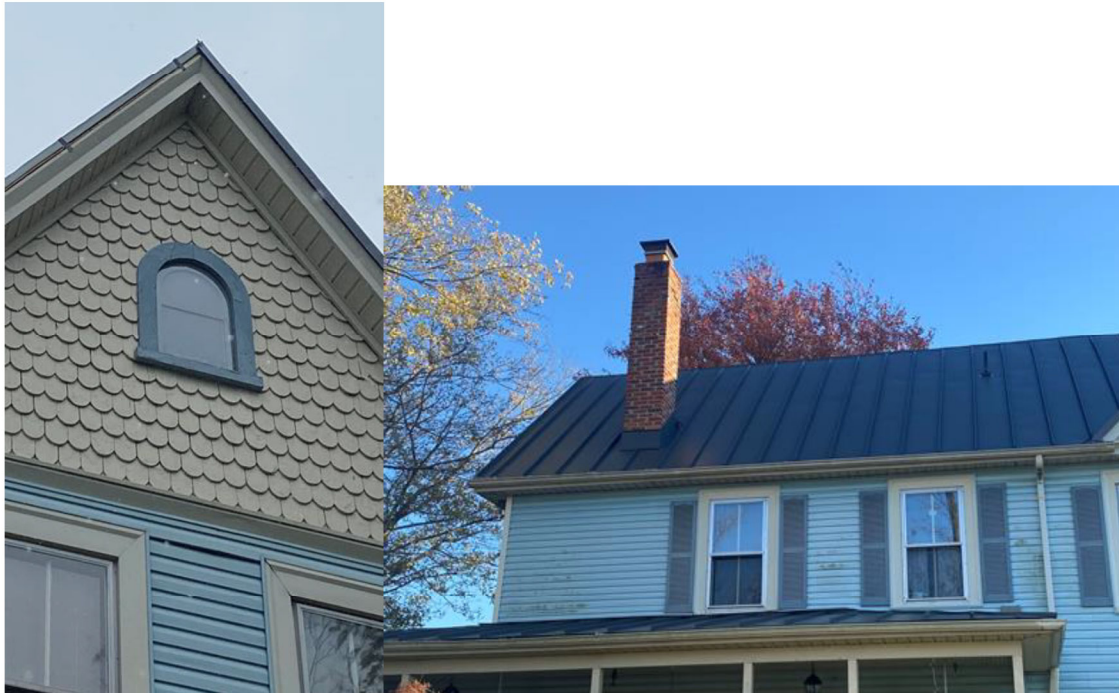
The shed will be sitting on 6x6 wood beams at or just below ground level and therefore will not impact the root systems of any of the near by trees.

The proposed driveway is approximately 20 feet from any tree and will not be dug deep enough to impact any of the tree root systems.

Material Specifications

To match the house, the shed will be sided in 4 inch cedar look vinyl clapboard siding to mimic the look of the historic clapboard of the house. Current historic house is sided in 4 inch vinyl dutchlap siding which was installed prior to the designation of the Cedar Grove Historic District. The installation of clapboard as opposed to dutchlap siding is more accurate to the original house, and will match future request for replacement of the whole house siding at a later date. Gable ends will be covered with 6 inch cedar look vinyl shakes. The roof will be installed with 16 inch flat span, 1 inch snap lock standing seam metal which will match the existing historic house. See pictures below of the historic house to show the comparison. Technical documents are attached in the final pages of this permit request.

The proposed driveway will be asphalt to match the existing driveway.



Restoration Classic™

Vinyl Siding

General Description: Restoration Classic™ Siding provides the look of wood siding, but does not require the upkeep common to wood. Restoration Classic Siding is available in a selection of profiles and finishes that offer the industry's best real wood replication. Restoration Classic siding is appropriate for use in new construction for single family homes, multi- housing projects and light commercial developments. Restoration Classic is also an ideal product for remodeling.

Styles:

Profile	Finish	Panel Projection	Wall Thickness (Nominal)	Lock Design	Colors	Accessory Pocket
Double 4" Clapboard	Select Cedar	5/8	.044"	DuraLock™ post-	30	½", 5/8" or ¾"
Double 4-1/2" Dutchlap	Select Cedar	5/8	.044"	DuraLock™ post-formed positive	30	½", 5/8" or ¾"
Double 5" Clapboard	Select Cedar	5/8"	.044"	DuraLock™ post-	13	½", 5/8" or ¾"
Triple 3" Clapboard	Smooth	5/8	.044"	DuraLock™ formed positive	7	½", 5/8" or ¾"
Double 4-1/2"	Smooth	5/8	.044"	DuraLock™ formed positive	7	½", 5/8" or ¾"

Colors: Restoration Classic siding profiles are available in the industry's widest selection of colors. All colors are Spectrophotometer controlled and utilize exclusive PermaColor™ color science.

Autumn Red	Colonial White	Forest	Light Maple	Oxford Blue	Seagrass
Autumn Yellow	Cypress	Granite Gray	Melrose	Olive Grove	Slate
Buckskin	Desert Tan	Hearthstone	Midnight Blue	Pacific Blue	Smoky Gray
Castle Stone	Espresso	Heritage Cream	Mountain Cedar	Sable Brown	Spruce
Charcoal Gray	Flagstone	Herringbone	Natural Clay	Savannah Wicker	Sterling Gray

*Color availability varies by profiles - check Product Catalog for detail.

STUDfinder™: The patented STUDfinder Installation System combines precisely engineered nail slot locations with graphics. Nail slots are positioned 16" on center to allow for alignment with studs. STUDfinder graphics centered at each slot provide a quick and easy guide to help locate studs.

RigidForm™: Restoration Classic RigidForm™ technology features a stiff, double-thick .088" nail hem for a straighter-on-the-wall appearance and windload performance.

Accessories: CertainTeed manufactures a wide range of siding accessories that are compatible with Restoration Classic siding styles and colors. Accessory products include installation components, soffit, window and door trim, corner lineals, corner systems and decorative moldings.

Composition: Restoration Classic siding products are produced using PVC resin.

Technical Data: Restoration Classic siding is in compliance with ASTM specification for Rigid Polyvinyl Chloride (PVC) Siding D3679, and the requirements of the 2015, 2018 and 2021 International Residential Code and International Building Code, the 2020 Florida Residential Code and Florida Building Code, and the 2019 California Residential Code and California Building Code. Restoration Classic siding meets or exceeds the properties noted in Table 1

Table 1

ASTM E 84	Meets Class A flame spread requirements as tested according to ASTM E84.
ASTM D 635	Material is self-extinguishing with no measurable extent of burn when tested in accordance with this specification.
NFPA 268	Radiant Heat Test - Ignition Resistance of Exterior Walls - Conclusion that CertainTeed met the conditions for allowable use as specified in section 1406 of the International Building Code.

Important Fire Safety Information: When rigid vinyl siding is exposed to significant heat or flame, the vinyl will soften, sag, melt or burn, and may thereby expose material underneath. Care must be exercised when selecting underlayment materials because many underlayment materials are made from organic materials that are combustible. You should ascertain the fire properties of underlayment materials prior to installation. All materials should be installed in accordance with local, state and federal Building Code and fire regulations.

Wind Load Testing: Restoration Classic siding has been tested per ASTM 5206 standard test method for wind load resistance to withstand negative wind load pressures and their mph equivalents as shown in the chart below. The product exceeds industry standards for wind load performance. Check with your local building inspector for wind load requirements in your area for the type of structure you are building.

Table 2*

Product	Fastener Spacing	2015/2018 IBC/IRC			2021 IBC/IRC		
		Standard Design Pressure Rating	Maximum Windspeed (mph)		Standard Design Pressure Rating	Maximum Windspeed (mph)	
			ASD	ULT		ASD	ULT
Double 4" Clapboard	Nails 16" o.c.	120.4	224	289	80.0	182	235
Double 4-1/2" Dutchlap	Nails 16" o.c.	105.0	209	270	68.9	169	218
Double 5" Clapboard	Nails 16" o.c.	98.7	203	261	64.4	164	211
Double 4-1/2" Clapboard	Nails 16" o.c.	145.0	245	317	97.7	201	260
Triple 3" Clapboard	Nails 16" o.c.	108.0	212	273	71.1	172	222

* Windload calculations based on ASTM D3679, ASCE 7-10, 30ft High, Exposure B

Documents: CertainTeed Vinyl Siding meets the requirements of one or more of the following specifications.

Texas Department of Insurance Product Evaluation EC-11

Conforms to ASTM Specification D3679

Florida BCIS Approval FL1573

Florida BCIS Approval FL12483

ICC-ES Evaluation Report ESR-1066

For specific product evaluation/approval information, call 800-233-8990.

Installation: Prior to commencing work, verify governing dimensions of building, examine, clean and repair, if necessary, any adjoining work on which the siding is in any way dependent for its proper installation. Sheathing materials must have an acceptable working surface. Siding, soffit and accessories shall be installed in accordance with the latest editions of CertainTeed installation manuals on siding and soffit. Installation manuals are available from CertainTeed and its distributors.

Warranty: CertainTeed supports Restoration Classic siding products with a Lifetime Limited Warranty including PermaColor Lifetime Fade Protection to the original homeowner. The warranty is transferable if the home is sold.

Technical Services: CertainTeed maintains an Architectural Services staff to assist building professionals with questions

CertainTeed LLC
20 Moores Road
Malvern, PA 19355
certainteed.com
© 01/21

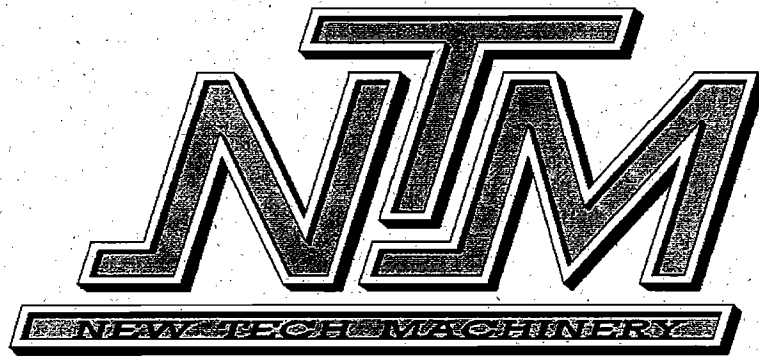
regarding CertainTeed siding products. Call 800-233-8990 for samples and answers to technical or installation questions.

Sample Short Form Specification: Siding as shown on drawings or specified herein shall be Restoration Classic Vinyl Siding as manufactured by CertainTeed LLC, Malvern, PA. Installation shall be in accordance with manufacturer's instructions.

Three-part Format Specifications: Long form specifications in three-part format are available from CertainTeed by calling our Architectural Services Staff at 800-233-8990. These specifications are also available on our website at certainteed.com.



CertainTeed LLC
20 Moores Road
Malvern, PA 19355
certainteed.com
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FF 100 PANEL



UL LISTED CONSTRUCTION NUMBERS

#529 SECTION ANALYSIS REPORT AND SPAN LOAD TABLES

1300 40TH DENVER, CO 80205-3311

PH 303-294-0538 ** 800-574-1717 **** FAX 303-294-9407**

DESCRIPTION

PRODUCT COVERED:

This section of the Procedure covers a coated steel roof panel, which is identified as "FF100" panel. The panel is produced at job sites by portable rolling machines.

The panel is roll-formed from No.29 MSG minimum or heavier gauge steel coated to the configuration shown in Ill. 1. The panel may also have a paint finish over the coating.

SPECIFICATIONS OF FINISHED PRODUCT:

THICKNESS

The base metal thickness of the steel used in the fabrication of the panel shall be not less than 0.0128 in. No. 29 msg minimum gauge. This thickness shall not include any coating or paint finish.

DIMENSIONS

The cross-sectional dimensions of the panel piece shall be in accordance with the cross-section in Ill. 1.

STRENGTH

The strength records of the steel shall be reviewed. The 29 MSG steel used shall conform to ASTM A792 grade 50 Specifications or the minimum yield point of the steel shall be 50,000 psi.



**Underwriters
Laboratories Inc.®**

Northbrook Division

333 Pfingsten Road
Northbrook, IL 60062-2096 USA
www.ul.com
tel: 1 847 272 8800
fax: 1 847 272 8129
Customer service: 1 877 854 3577

NEW TECH MACHINERY CORP
MR G BATTISTELL
1300 40TH ST
DENVER CO 80205

RE: Project Number(s) - 03NK22866

Your most recent Certification is shown below. You may also view this information, or a portion of this information (depending on the product category), on UL's Online Certifications Directory at www.ul.com/database. Please review the text and contact the Conformity Assessment Services staff member who handled your project if revisions are required. For instructions on placing an order for this information in a 3 x 5-inch format, you may refer to the enclosed order form for UL Card Service.

**TJPV
Metal Roof Deck Panels**

November 21, 2003

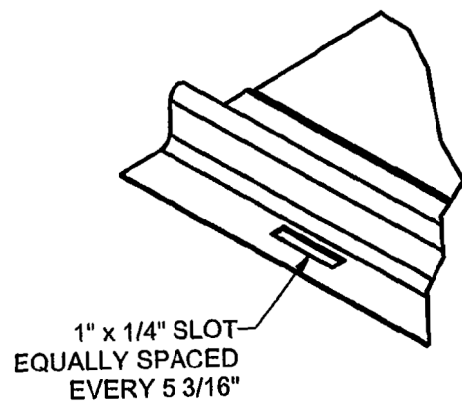
**NEW TECH MACHINERY CORP
1300 40TH ST, DENVER CO 80205**

R14692

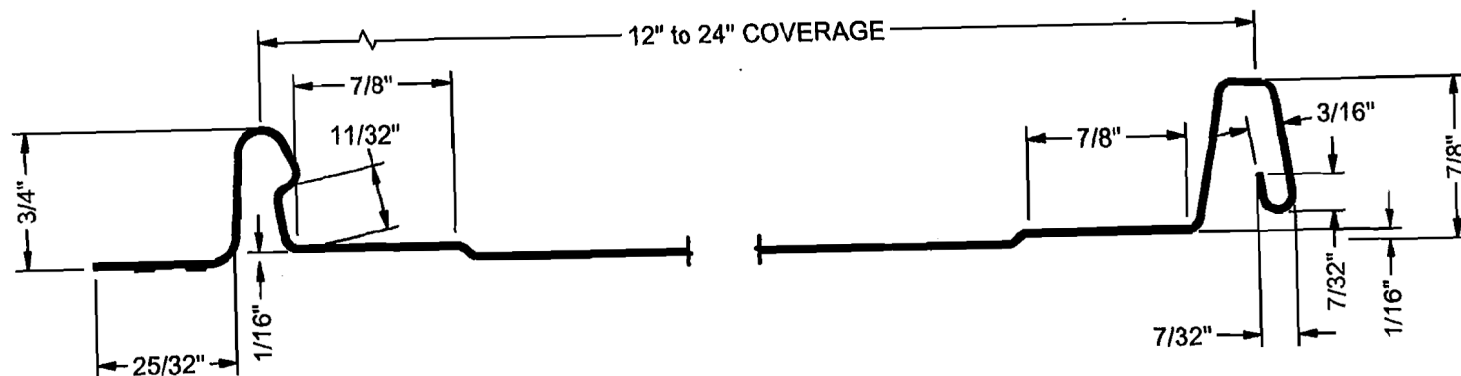
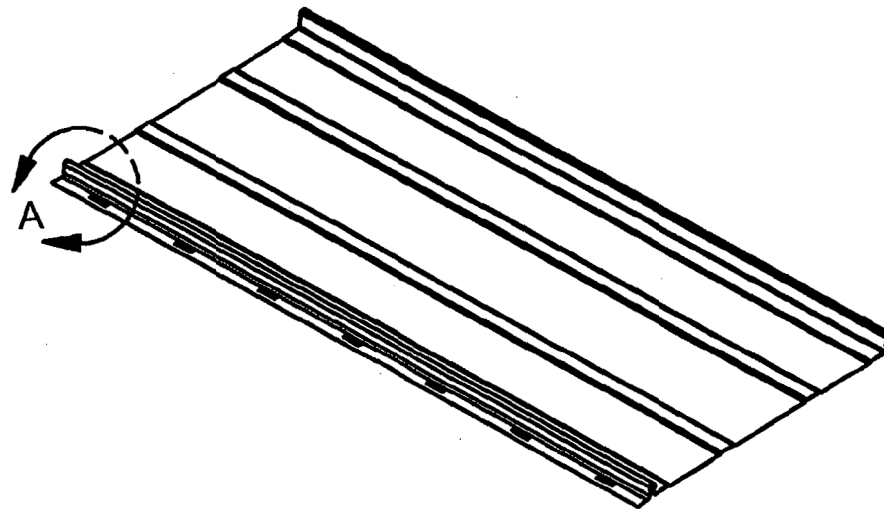
Coated steel panels, field - formed.
Underwriters Laboratories Inc. Metal Roof Deck Panels, Fabricated, installed and used in the following roof deck constructions with corresponding panel identifications:
Coated steel panels identified as "Snap Panel 550" for use in Construction No. 373.
Coated steel panels identified as "Panel 210A" for use in Construction Nos. 90, 176, 180, 238, 238A.
Coated steel or aluminum panels identified as "Snap Panel 675" for use in Construction Nos 254, 255, 261, 303.
Coated steel panels identified as "SS675" for use in Construction Nos. 343, 508 and 508A.
Coated steel panels identified as "SS450" for use in Construction No. 370.
Coated steel panels identified as "SS150" for use in Construction No. 554.
Coated steel panels identified as "SS100" for use in Construction No. 575.
Coated steel panels identified as "FF100" for use in Construction No. 529.

See Roof Deck Construction for description of construction numbers.

LOOK FOR LISTING MARK ON PRODUCT



DETAIL A



Note:
Material usage = 4.00in

MATERIAL					LENGTH		FINISH		NEW TECH MACHINERY CORP.				
REVISION HISTORY	REV	ECN NO.	DATE	RELEASED BY	TOLERANCES	DRAWN BY	PART NAME						
					.XX = ± .01	DeBerard	FF100 PANEL PROFILE						
					.XXX = ± .005	DATE	6/25/2002						
					FRACTION = ± 1/32"	CHECK BY	SIZE	A	SHEET	1 OF 1	REVISION		
					ANGLE = ± 1/2°	DATE	SCALE	PARTNUMBER	FF100	0			



Online Certifications Directory

TGKX.529 Roof Deck Constructions

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Roof Deck Constructions

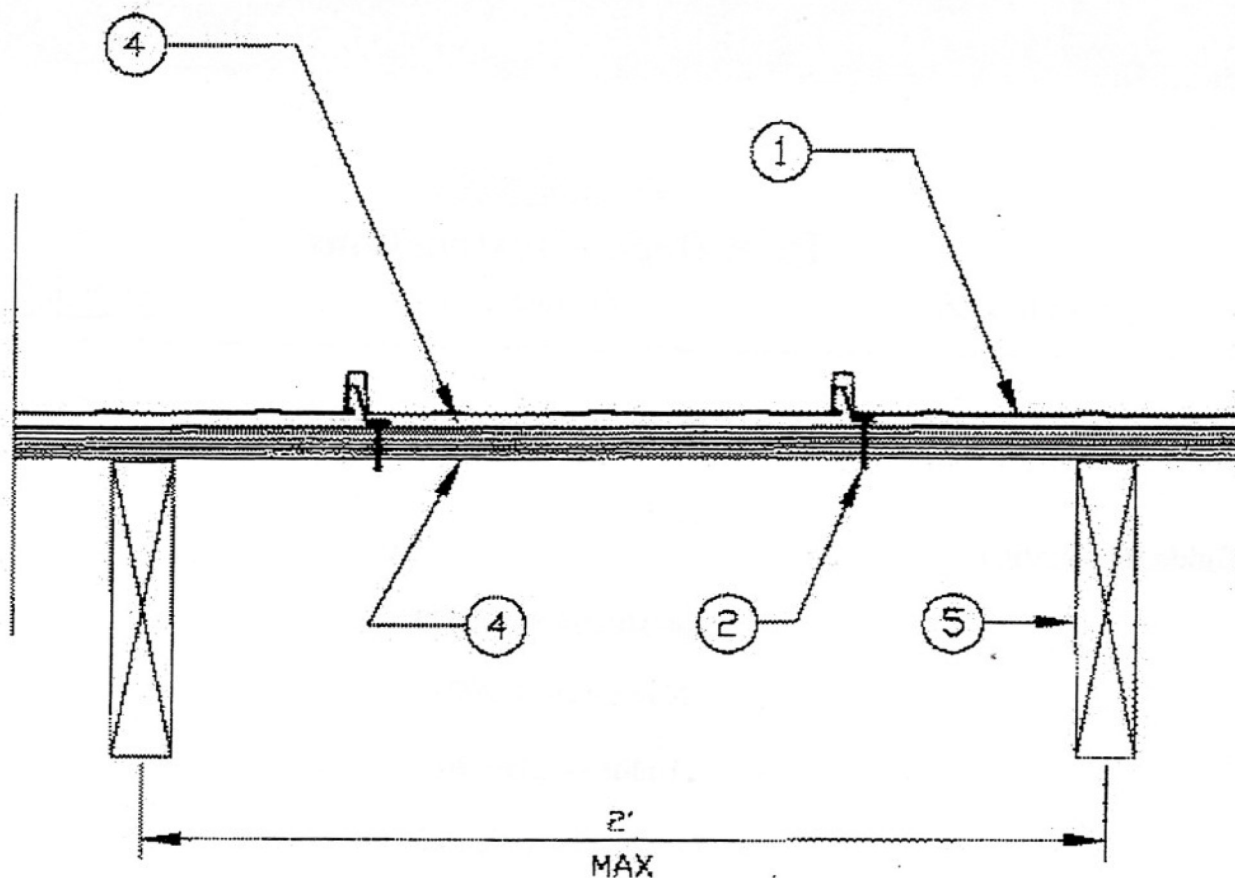
Guide Information

Construction No. 529

November 21, 2003

Uplift — Class 90

Fire Not Investigated



1. **Metal Roof Deck Panels*** — No. 29 MSG min coated steel. Max panel width 24 in. Rib height nominal 1 in. Panels continuous over two or more spans. A bead of sealant may be used at panel endlaps.

AMERICAN BUILDING COMPONENTS — "SL-16"

CENTRAL TEXAS METAL ROLLFORMING INC — "PRO-SNAP 100"

MBCI — "Slimline"

NCI BUILDING SYSTEMS L P — "Slimline"

NEW TECH MACHINERY CORP — "FF100"

UNION CORRUGATING CO — "Advantage Lok"

2. **Fasteners — (Screws)** — For panel attachment to wood deck (Item 3), fasteners to

be No. 10 x 1 in. long No. 2 Phillips, Pancake Head Type A. Fasteners spacing to be 12 in. OC with fasteners installed through prepunched slots in fastener flange of panel. For attachment of plywood deck (Item 3) to joists (Item 5), fasteners to be min. No. 6 by 1-7/8 bugle head screw or annular ring-shank nails. Spacing to be 6 in. OC at plywood edges and 12 in. OC at intermediate supports. When light gauge structural steel joists are used, fasteners to be No. 12 by 1-5/8 in. long with a Phillips head.

3. Substructure — (Plywood) — Plywood decking to be a nom 5/8 in. thick, exposure sheathing span C-D, 40/20 plywood. All butt joints to be sealed against leakage by using tape and/or caulk or with one-part urethane sealant.

4. Moisture Barrier — (Optional) — Any suitable membrane to protect substructure (Item 3).

5. Joists — Joists spaced at 2 ft, 0 in. OC, may be one of the following:

A. Nom 2 by 6 in. wood joists No. 2 or better.

B. Nom 2 by 4 in. wood when used on a top cord of a wood truss, No. 2 or better.

C. Light gauge structural steel framing with the member against the plywood to be a min No. 22 MSG coated steel.

Refer to General Information, Roof Deck Construction, (Roofing Materials and Systems Directory) for Items Not Evaluated.

*Bearing the UL Classification Mark

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JOHN F. BUTTS & ASSOC., INC.

CONSULTING ENGINEERS
2480 VANTAGE DRIVE COLORADO SPRINGS, CO 80919
(719) 598-7666 FAX (719) 598-0258
www.jfba.com

August 29, 2002

New Tech Machinery Corp.
1300 40th Street
Denver, CO 80205-3311

**Re: Section Analysis Report
New Tech FF100 Panel
Job No. 183-05**

Gentlemen:

Per your request, please find enclosed the engineering calculations for the above referenced project. The section, with the structural properties indicated in this report is certified to meet or exceed the requirements of the 1996 AISI Cold-Formed Steel Design Manual including Supplement No. 1 (July 1999).

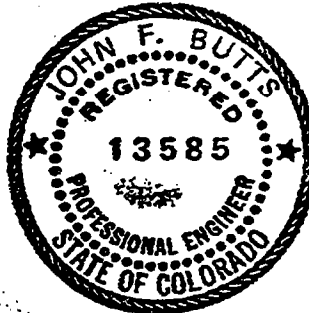
Please note that the panel analysis and Load Tables have been evaluated based on the assumption that the proper bearing, side laps, end laps, bracing, anchorage and structural supports are being utilized in the member's installation. We do not certify the installation method, attachment and supporting materials.

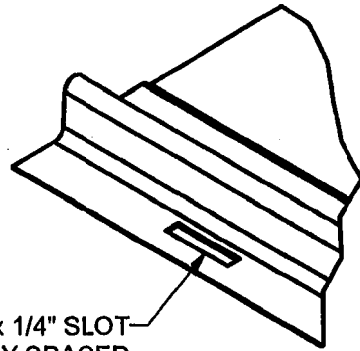
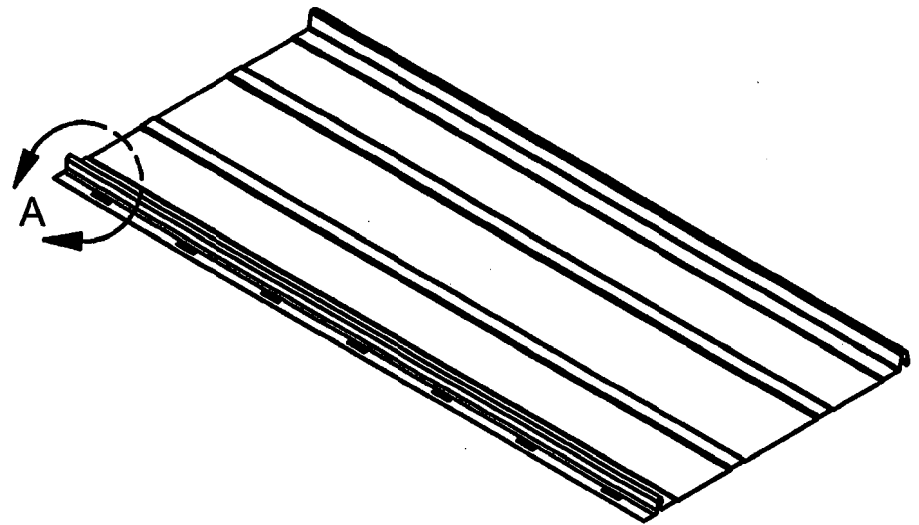
If we can be of further assistance or if you require additional information, please call.

Sincerely,

John F. Butts, P.E.
President

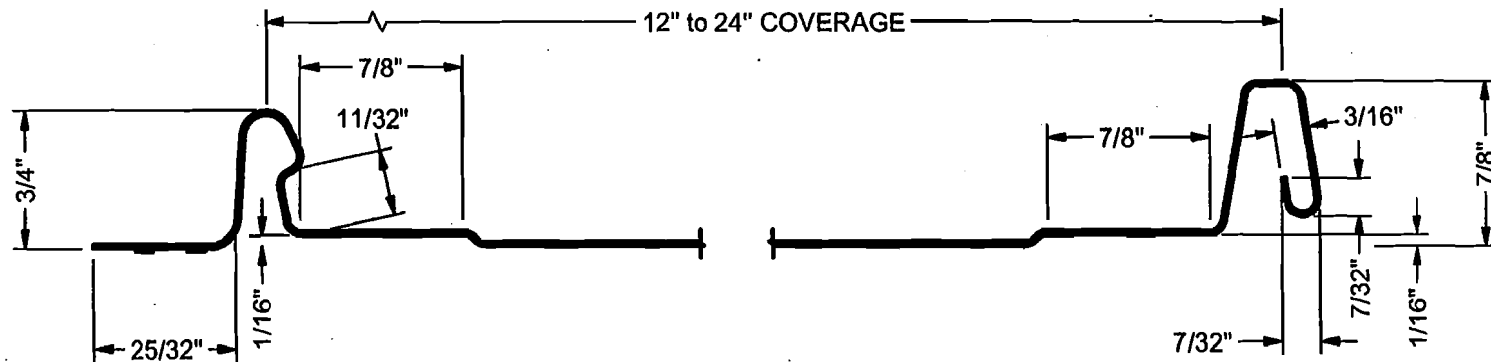
enc. Section Drawing
Section Analysis
Section Load Tables





1" x 1/4" SLOT
EQUALLY SPACED
EVERY 5 3/16"

DETAIL A



Note:
Material usage = 4.00in

MATERIAL				LENGTH	FINISH	NEW TECH MACHINERY CORP.			
REVISION HISTORY	REV	ECN NO.	DATE	RELEASED BY	TOLERANCES	DRAWN BY	PART NAME		
					.XX = ± .01	DeBerard	FF100 PANEL PROFILE		
					.XXX = ± .005	DATE	6/25/2002		
					FRACTION = ± 1/32"	CHECK BY	SIZE	SHEET	REVISION
					ANGLE = ± 1/2°	DATE	SCALE	PART NUMBER	
							A	1 OF 1	0
								FF100	

John F. Butts & Associates, Inc.
2480 Vantage Drive
Colorado Springs, CO 80919
(719) 598-7666

Analysis per 1996 AISI Cold-Formed Steel Manual + 1999 Supplement 1

New Tech FF100 Panel

FILE: FF100X12

SECTION DIMENSIONS

Line #1 Angle(L) =	-80.000 deg	Line #21 Angle(R) =	81.000 deg
Line #1 Radius(L) =	0.060 in	Line #21 Radius(R) =	0.063 in
Line #1 Length(L) =	0.000 in	Line #22 Length(R) =	0.194 in
Line #2 Angle(L) =	80.000 deg	Line #22 Angle(R) =	70.000 deg
Line #2 Radius(L) =	0.070 in	Line #22 Radius(R) =	0.060 in
Line #2 Length(L) =	0.683 in	Line #24 Length(R) =	0.034 in
Line #3 Angle(L) =	81.000 deg	Line #23 Angle(R) =	-86.000 deg
Line #3 Radius(L) =	0.070 in	Line #23 Radius(R) =	0.070 in
Line #3 Length(L) =	0.000 in	Line #26 Length(R) =	0.134 in
Line #4 Angle(L) =	-180.000 deg	Line #24 Angle(R) =	-151.000 deg
Line #4 Radius(L) =	0.070 in	Line #24 Radius(R) =	0.122 in
Line #4 Length(L) =	0.125 in	Line #28 Length(R) =	0.447 in
Line #5 Angle(L) =	0.000 deg	Line #25 Angle(R) =	86.000 deg
Line #5 Radius(L) =	0.000 in	Line #25 Radius(R) =	0.141 in
Line #5 Length(L) =	0.000 in	Line #30 Length(R) =	0.636 in
Panel Bottom Width =	12.00 in		
Panel Overall Width =	12.56 in		
Panel Overall Height =	0.81 in		

Alloy: ASTM A792, G50

Fy = 50.00 ksi

Fv = 14.13 ksi

QUALIFICATIONS PER AISI SPECIFICATIONS

(a) Maximum w/t Ratio's Exceeded [Section B1.1(a)]: No

(b) Maximum h/t Ratio's Exceeded [Section B1.2(a)]: No

Section Dimensional Data

Type	Name	Gage	Height in	Width in	Lip in	t in	Weight plf	Coil Width in
Panel		24	0.813	12.563	0.000	0.024	1.338	16.389

Gross Sectional Properties

Area in ²	Ix in ⁴	Sx in ³	Rx in	Ycg in	Iy in ⁴	Sy in ³	Ry in	Xcg in
0.393	0.015	0.022	0.198	0.097	7.701	1.098	4.425	7.012

Effective Properties

Vnx kip	Ix in ⁴	Sx in ³	Mnx kip-in	Mny kip-in	Iy in ⁴	Sy in ³	Pne kip	Pnei kip/in
1.450	0.015	0.022	0.906	---	---	---	0.738	0.650

Torsional Properties

Xo in	Ro in	Beta	Cw in ⁶	Jv*1000 in ⁴	Fy ksi	Fu ksi	E ksi	G ksi
-0.293	4.439	0.996	0.599	0.076	50	65	29500	11300

Shear, moment and bearing values shown are nominal values and must be modified by the appropriate factors of safety (ASD) or resistance factors (LRFD).

Factors of Safety (ASD)

FS (Compression)	= 1.80
FS (Tension)	= 1.67
FS (Web Crippling)	= 1.85
FS (Bending)	= 1.67
FS (Shear)	= 1.50

Resistance Factors (LRFD)

RF (Compression)	= 0.85
RF (Tension)	= 0.95
RF (Web Crippling)	= 0.75
RF (Bending)	= 0.90
RF (Shear)	= 1.00

John F. Butts & Associates, Inc.
2480 Vantage Drive
Colorado Springs, CO 80919
(719) 598-7666

Analysis per 1996 AISI Cold-Formed Steel Manual + 1999 Supplement 1

New Tech FF100 Panel

FILE: FF100X16

SECTION DIMENSIONS

Line #1 Angle(L) =	-80.000 deg	Line #21 Angle(R) =	81.000 deg
Line #1 Radius(L) =	0.060 in	Line #21 Radius(R) =	0.063 in
Line #1 Length(L) =	0.000 in	Line #22 Length(R) =	0.194 in
Line #2 Angle(L) =	80.000 deg	Line #22 Angle(R) =	70.000 deg
Line #2 Radius(L) =	0.070 in	Line #22 Radius(R) =	0.060 in
Line #2 Length(L) =	0.683 in	Line #24 Length(R) =	0.034 in
Line #3 Angle(L) =	81.000 deg	Line #23 Angle(R) =	-86.000 deg
Line #3 Radius(L) =	0.070 in	Line #23 Radius(R) =	0.070 in
Line #3 Length(L) =	0.000 in	Line #26 Length(R) =	0.134 in
Line #4 Angle(L) =	-180.000 deg	Line #24 Angle(R) =	-151.000 deg
Line #4 Radius(L) =	0.070 in	Line #24 Radius(R) =	0.122 in
Line #4 Length(L) =	0.125 in	Line #28 Length(R) =	0.447 in
Line #5 Angle(L) =	0.000 deg	Line #25 Angle(R) =	86.000 deg
Line #5 Radius(L) =	0.000 in	Line #25 Radius(R) =	0.141 in
Line #5 Length(L) =	0.000 in	Line #30 Length(R) =	0.636 in

Panel Bottom Width = 16.00 in
Panel Overall Width = 16.56 in
Panel Overall Height = 0.81 in

Alloy: ASTM A792, G50

Fy = 50.00 ksi

Fv = 7.35 ksi

QUALIFICATIONS PER AISI SPECIFICATIONS

(a) Maximum w/t Ratio's Exceeded [Section B1.1(a)]: No

(b) Maximum h/t Ratio's Exceeded [Section B1.2(a)]: No

Section Dimensional Data

Type	Name	Gage	Height in	Width in	Lip in	t in	Weight plf	Coil Width in
Panel		24	0.813	16.563	0.000	0.024	1.665	20.389

Gross Sectional Properties

Area in ²	Ix in ⁴	Sx in ³	Rx in	Ycg in	Iy in ⁴	Sy in ³	Ry in	Xcg in
0.489	0.016	0.022	0.181	0.080	15.531	1.724	5.634	9.007

Effective Properties

Vnx kip	Ix in ⁴	Sx in ³	Mnx kip-in	Mny kip-in	Iy in ⁴	Sy in ³	Pne kip	Pnei kip/in
1.450	0.016	0.022	0.911	---	---	---	0.738	0.650

Torsional Properties

Xo in	Ro in	Beta	Cw in ⁶	Jv*1000 in ⁴	Fy ksi	Fu ksi	E ksi	G ksi
-0.242	5.642	0.998	1.091	0.094	50	65	29500	11300

Shear, moment and bearing values shown are nominal values and must be modified by the appropriate factors of safety (ASD) or resistance factors (LRFD).

Factors of Safety (ASD)

FS (Compression)	= 1.80
FS (Tension)	= 1.67
FS (Web Crippling)	= 1.85
FS (Bending)	= 1.67
FS (Shear)	= 1.50

Resistance Factors (LRFD)

RF (Compression)	= 0.85
RF (Tension)	= 0.95
RF (Web Crippling)	= 0.75
RF (Bending)	= 0.90
RF (Shear)	= 1.00

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2480 Vantage Drive
Colorado Springs, CO 80919
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Analysis per 1996 AISI Cold-Formed Steel Manual + 1999 Supplement 1

New Tech FF100 Panel

FILE: FF100X18

SECTION DIMENSIONS

Line #1 Angle(L) =	-80.000 deg	Line #21 Angle(R) =	81.000 deg
Line #1 Radius(L) =	0.060 in	Line #21 Radius(R) =	0.063 in
Line #1 Length(L) =	0.000 in	Line #22 Length(R) =	0.194 in
Line #2 Angle(L) =	80.000 deg	Line #22 Angle(R) =	70.000 deg
Line #2 Radius(L) =	0.070 in	Line #22 Radius(R) =	0.060 in
Line #2 Length(L) =	0.683 in	Line #24 Length(R) =	0.034 in
Line #3 Angle(L) =	81.000 deg	Line #23 Angle(R) =	-86.000 deg
Line #3 Radius(L) =	0.070 in	Line #23 Radius(R) =	0.070 in
Line #3 Length(L) =	0.000 in	Line #26 Length(R) =	0.134 in
Line #4 Angle(L) =	-180.000 deg	Line #24 Angle(R) =	-151.000 deg
Line #4 Radius(L) =	0.070 in	Line #24 Radius(R) =	0.122 in
Line #4 Length(L) =	0.125 in	Line #28 Length(R) =	0.447 in
Line #5 Angle(L) =	0.000 deg	Line #25 Angle(R) =	86.000 deg
Line #5 Radius(L) =	0.000 in	Line #25 Radius(R) =	0.141 in
Line #5 Length(L) =	0.000 in	Line #30 Length(R) =	0.636 in
Panel Bottom Width =	18.00 in		
Panel Overall Width =	18.56 in		
Panel Overall Height =	0.81 in		

Alloy: ASTM A792, G50

Fy = 50.00 ksi

Fv = 5.99 ksi

QUALIFICATIONS PER AISI SPECIFICATIONS

(a) Maximum w/t Ratio's Exceeded [Section B1.1(a)]: No

(b) Maximum h/t Ratio's Exceeded [Section B1.2(a)]: No

Section Dimensional Data

Type	Name	Gage	Height in	Width in	Lip in	t in	Weight plf	Coil Width in
Panel		24	0.813	18.563	0.000	0.024	1.828	22.389

Gross Sectional Properties

Area in ²	Ix in ⁴	Sx in ³	Rx in	Ycg in	Iy in ⁴	Sy in ³	Ry in	Xcg in
0.537	0.016	0.022	0.174	0.074	20.866	2.085	6.231	10.005

Effective Properties

Vnx kip	Ix in ⁴	Sx in ³	Mnx kip-in	Mny kip-in	Iy in ⁴	Sy in ³	Pne kip	Pnei kip/in
1.450	0.016	0.022	0.910	---	---	---	0.738	0.650

Torsional Properties

Xo in	Ro in	Beta	Cw in ⁶	Jv*1000 in ⁴	Fy ksi	Fu ksi	E ksi	G ksi
-0.222	6.238	0.999	1.395	0.103	50	65	29500	11300

Shear, moment and bearing values shown are nominal values and must be modified by the appropriate factors of safety (ASD) or resistance factors (LRFD).

Factors of Safety (ASD)

FS (Compression)	= 1.80
FS (Tension)	= 1.67
FS (Web Crippling)	= 1.85
FS (Bending)	= 1.67
FS (Shear)	= 1.50

Resistance Factors (LRFD)

RF (Compression)	= 0.85
RF (Tension)	= 0.95
RF (Web Crippling)	= 0.75
RF (Bending)	= 0.90
RF (Shear)	= 1.00

Section : New Tech FF100 Panel
 File : FF100X12

Page: 1
 Date: 8/29/2002

Width | 12.56 in
 Alloy | ASTM A792, G50 (Fy =50 ksi)
 Gauge | 24 (0.024 in)

Allowable Strength Design (ASD)
 Wind Load Factor = 1.00
 Allowable Uniform Load (psf)

Span Deflection		Span Length (Feet)								
		2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
1	L/180	82	65	52	43	36	30	26	22	19
	L/240	82	65	52	43	35	27	22	18	15
	L/360	78	55	40	30	23	18	15	12	10
2	L/180	82	65	52	43	36	30	26	22	20
	L/240	82	65	52	43	36	30	26	22	20
	L/360	82	65	52	42	33	26	21	17	14
3	L/180	95	75	61	50	42	35	30	26	23
	L/240	95	75	61	50	42	35	30	26	23
	L/360	95	75	61	50	42	34	27	22	18

- Formula's used in Load Tables for FLEXURE and DEFLECTION are:
 One Span - $M_p = .125wl^2$, $M_n = .125wl^2$, $x = .0130wl^4/EI$
 Two Span - $M_p = .125wl^2$, $M_n = .096wl^2$, $x = .0092wl^4/EI$
 Three Span - $M_p = .080wl^2$, $M_n = .107wl^2$, $x = .0069wl^4/EI$
 Modulus of Elasticity (E) = 29500 ksi
- Allowable uniform loads are determined per the following:
 - Allowable Shear Stress (Fv) [AISI, C3.2]
 - Combined Bending and Shear [AISI, C3.3]
 - Combined Bending & Web Crippling [AISI C3.5]
- Factors of Safety used to determine uniform loads:

FS (Bending) = 1.67
 FS (Shear) = 1.50
 FS (Web Crippling) = 1.85
- Allowance has been made for member Dead Weight.
- Minimum panel support bearing length = 2.00 in
- Concentrated load = 250 lbs at mid-span, load width = 4 in

Simple Span : Maximum Span = 1.361 ft (L/180)
 Two Span : Maximum Span = 1.560 ft (L/180)
 Three Span + : Maximum Span = 1.648 ft (L/180)

Section : New Tech FF100 Panel

File : FF100X12

Page: 2

Date: 8/29/2002

Width | 12.56 in

Alloy | ASTM A792, G50 (Fy =50 ksi)

Gauge | 24 (0.024 in)

Allowable Strength Design (ASD)

Wind Load Factor = 1.00

Allowable Uniform Load (psf)

Span Deflection		Span Length (Feet)								
		4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00	6.25
1	L/180	16	14	12	10	9	7	7	6	5
	L/240	12	10	9	7	6	6	5	4	4
	L/360	8	7	6	5	4	4	3	3	3
2	L/180	17	15	14	12	11	10	9	8	7
	L/240	17	15	12	11	9	8	7	6	5
	L/360	11	10	8	7	6	5	5	4	4
3	L/180	20	18	16	14	13	12	11	10	9
	L/240	20	18	16	14	12	11	9	8	7
	L/360	15	13	11	9	8	7	6	5	5

1. Formula's used in Load Tables for FLEXURE and DEFLECTION are:

One Span - $M_p = .125wl^2$, $M_n = .125wl^2$, $x = .0130wl^4/EI$

Two Span - $M_p = .125wl^2$, $M_n = .096wl^2$, $x = .0092wl^4/EI$

Three Span - $M_p = .080wl^2$, $M_n = .107wl^2$, $x = .0069wl^4/EI$

Modulus of Elasticity (E) = 29500 ksi

2. Allowable uniform loads are determined per the following:

a) Allowable Shear Stress (Fv) [AISI, C3.2]

b) Combined Bending and Shear [AISI, C3.3]

c) Combined Bending & Web Crippling [AISI C3.5]

3. Factors of Safety used to determine uniform loads:

FS (Bending) = 1.67

FS (Shear) = 1.50

FS (Web Crippling) = 1.85

4. Allowance has been made for member Dead Weight.

5. Minimum panel support bearing length = 2.00 in

6. Concentrated load = 250 lbs at mid-span, load width = 4 in

Simple Span : Maximum Span = 1.361 ft (L/180)

Two Span : Maximum Span = 1.560 ft (L/180)

Three Span + : Maximum Span = 1.648 ft (L/180)

Section : New Tech FF100 Panel
File : FF100X16

Page: 3
Date: 8/29/2002

Width | 16.56 in
Alloy | ASTM A792, G50 (Fy =50 ksi)
Gauge | 24 (0.024 in)

Allowable Strength Design (ASD)
Wind Load Factor = 1.00
Allowable Uniform Load (psf)

Span Deflection		Span Length (Feet)								
		2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
1	L/180	63	50	40	33	27	23	20	17	15
	L/240	63	50	40	33	27	22	17	14	12
	L/360	62	43	32	24	18	14	12	9	8
2	L/180	63	50	40	33	27	23	20	17	15
	L/240	63	50	40	33	27	23	20	17	15
	L/360	63	50	40	33	26	20	16	13	11
3	L/180	73	57	46	38	32	27	23	20	17
	L/240	73	57	46	38	32	27	23	20	17
	L/360	73	57	46	38	32	27	22	18	15

1. Formula's used in Load Tables for FLEXURE and DEFLECTION are:

One Span - $M_p = .125wl^2$, $M_n = .125wl^2$, $x = .0130wl^4/EI$
Two Span - $M_p = .125wl^2$, $M_n = .096wl^2$, $x = .0092wl^4/EI$
Three Span - $M_p = .080wl^2$, $M_n = .107wl^2$, $x = .0069wl^4/EI$
Modulus of Elasticity (E) = 29500 ksi

2. Allowable uniform loads are determined per the following:

- a) Allowable Shear Stress (Fv) [AISI, C3.2]
- b) Combined Bending and Shear [AISI, C3.3]
- c) Combined Bending & Web Crippling [AISI C3.5]

3. Factors of Safety used to determine uniform loads:

FS (Bending) = 1.67
FS (Shear) = 1.50
FS (Web Crippling) = 1.85

4. Allowance has been made for member Dead Weight.

5. Minimum panel support bearing length = 2.00 in

6. Concentrated load = 250 lbs at mid-span, load width = 4 in

Simple Span : Maximum Span = 1.376 ft (L/180)
Two Span : Maximum Span = 1.577 ft (L/180)
Three Span + : Maximum Span = 1.667 ft (L/180)

Section : New Tech FF100 Panel
 File : FF100X18

Page: 4
 Date: 8/29/2002

Width | 18.56 in
 Alloy | ASTM A792, G50 (Fy =50 ksi)
 Gauge | 24 (0.024 in)

Allowable Strength Design (ASD)
 Wind Load Factor = 1.00
 Allowable Uniform Load (psf)

Span Deflection		Span Length (Feet)								
		2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75	4.00
1	L/180	56	44	36	29	24	21	18	15	13
	L/240	56	44	36	29	24	20	16	13	10
	L/360	56	39	29	22	17	13	10	8	7
2	L/180	56	44	36	29	24	21	18	15	13
	L/240	56	44	36	29	24	21	18	15	13
	L/360	56	44	36	29	23	18	15	12	10
3	L/180	65	51	41	34	28	24	21	18	16
	L/240	65	51	41	34	28	24	21	18	16
	L/360	65	51	41	34	28	24	20	16	13

- Formula's used in Load Tables for FLEXURE and DEFLECTION are:
 One Span - $M_p = .125wl^2$, $M_n = .125wl^2$, $x = .0130wl^4/EI$
 Two Span - $M_p = .125wl^2$, $M_n = .096wl^2$, $x = .0092wl^4/EI$
 Three Span - $M_p = .080wl^2$, $M_n = .107wl^2$, $x = .0069wl^4/EI$
 Modulus of Elasticity (E) = 29500 ksi
- Allowable uniform loads are determined per the following:
 a) Allowable Shear Stress (Fv) [AISI, C3.2]
 b) Combined Bending and Shear [AISI, C3.3]
 c) Combined Bending & Web Crippling [AISI C3.5]
- Factors of Safety used to determine uniform loads:
 FS (Bending) = 1.67
 FS (Shear) = 1.50
 FS (Web Crippling) = 1.85
- Allowance has been made for member Dead Weight.
- Minimum panel support bearing length = 2.00 in
- Concentrated load = 250 lbs at mid-span, load width = 4 in
 Simple Span : Maximum Span = 1.379 ft (L/180)
 Two Span : Maximum Span = 1.581 ft (L/180)
 Three Span + : Maximum Span = 1.672 ft (L/180)



★★★★★ 12 REVIEWS

Available in 12 Options. Pricing may vary.



**This product qualifies for
FREE SHIPPING!**

Estimated Ship Date: Tue Mar 29 - Tue Apr 05

Select Your Options:

Choose Your Color

[Clear Selection](#)

123 Snow

123 Snow

123 Snow

Manufacturer Part Number: 2001123

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PRODUCT INFORMATION

Description

The Foundry Vinyl Round 6in. Shapes are versatile types of siding panels that add a distinctive dimension in gables and applications to deliver texture all the way around the home. Crafted with real cedar molds, they showcase authentic texture with subtle grain and saw-mark detailing. Using molds made from genuine cedar, Foundry vinyl round siding features a subtle grain and saw marks to lend a truly authentic air. The Shape profiles hold their rich color, protected by a durable ASA cap. These siding panels should be installed over minimum sizes of 7/16in. OSB board or 15/32in. Plywood.

Actual colors may vary from those represented on screen. Therefore, it is highly recommended to order [The Foundry Color Swatch](#), if you are unsure of the color of siding you want to choose from. Once you order this color sample and you choose a color from this swatch, you will automatically receive \$5 off your siding purchase of The Foundry Vinyl Round 6in. Shapes. Please note that not all of those colors are going to be available in the Shapes color. Only the ones listed on this page.

Features

- Single course design
- Controlling keyway width at the lap
- Low thermal expansion
- Creates a natural, installed look
- Consists of a limited lifetime warranty

Specifications

- Panel Length: 60in.
- Panel Width: 6in.
- 20 panels per carton (1/2 square), sold per carton only
- J-Channel: 3/4in.
- Nominal Thickness: 0.040in.