SHEPHERDSTOWN PLANNING COMMISSION AGENDA

REGULAR MEETING AND PUBLIC HEARING

Monday, May 19, 2025 6:00 p.m. TOWN HALL 104 NORTH KING STREET, SHEPHERDSTOWN

- 1. Call to Order:
- 2. Approval of Previous Months' Minutes:
 - a. April 21, 2025, Meeting Minutes
- 3. Visitors
- 4. Conflicts of Interest:
- 5. Staff Report:
 - a. Pre-application Conference: 107 Princess Street
- 6. Applications:
 - a. **25-05** 310 W. German Street

Placement of an 8'W x 12'L Cape Cod style prefabricated shed in the west rear side yard. The roof will be constructed of dark bronze standing seam metal and the siding constructed of 6" lap siding by LP Smartside.

b. **25-06** 109 North Princess Street

Placement of 8 x 8 wooden shed to be constructed on site and to be painted white and black in color to match existing house.

- c. **25-07** 126 West German Street Business Sign
- d. **25-08** 115 East German Street White vinyl fence for patio
- e. **25-11** 72 Shepherd Village Circle Screened -in back porch

SHEPHERDSTOWN PLANNING COMMISSION AGENDA REGULAR MEETING AND PUBLIC HEARING

Monday, May 19, 2025 6:00 p.m. TOWN HALL 104 NORTH KING STREET, SHEPHERDSTOWN

f. **25-12** 110 College Street

New construction

g. **25-13** 329 West German Street Solar panels

h. **24-03** 102 College Street Install new metal roof, porch covering (previously approved)

7. Continuing Business:

- a. Review of Shepherdstown PUD Ordinance
- 8. New Business:
- 9. Adjournment:

SHEPHERDSTOWN PLANNING COMMISSION MINUTES REGULAR MEETING AND PUBLIC HEARING

Monday, April 21, 2025 6:00 p.m. TOWN HALL 104 NORTH KING STREET, SHEPHERDSTOWN

1. Call to Order: 6:03pm

2. Approval of Previous Months' Minutes:

 a. March 17, 2025 Meeting Minutes- Motion to approve minutes with amendment to include second by Rebecca Parmesano on the motion to defer application 25-05 to the May 2025 Planning Commission Meeting: Linus Bicker / 2ND James Gatz/ All Aye

3. Visitors:

- a. Jim Auxer
- b. Steve Pearson

4. Conflicts of Interest:

a. None

5. Staff Report:

a. Gino Sisco and Ebonée Helmick provided an update to the Planning Commission on the proposed Motivan/Wallace Minor Subdivision Pre-Application meeting held on Thursday, April 3, 2025.

6. Applications:

- a. 25-09- Motivans/Wallace Minor Subdivision
- b. Motion to approve Application 25-09 Motivans/Wallac Minor Subdivision: Madge Morningstar / 2^{nd} James Gatz / No Discussion / All Aye

7. Continuing Business:

- a. Continued Discussion of 2025 Comprehensive Plan
 - The Planning Commission continued to review the Comprehensive Plan document and agreed to incorporate minor edits and a priority matrix. The edits will be completed by Monday, April 28, 2025. The

SHEPHERDSTOWN PLANNING COMMISSION MINUTES

REGULAR MEETING AND PUBLIC HEARING

Monday, April 21, 2025 6:00 p.m. TOWN HALL

104 NORTH KING STREET, SHEPHERDSTOWN

updated document will be forwarded to Marcus Carnegie of Thrasher who will incorporate graphics.

- ii. Motion to move the 2025 Comprehensive Plan document to the Shepherdstown Town Council for review and approval with completed edits and graphics: Ebonée Helmick / 2nd Rebecca Parmesano / No Discussion / All Aye
- b. Review of Shepherdstown PUD Ordinance
 - i. Deferred until next meeting May 19, 2025, meeting
- 8. New Business: None
- Adjournment: Motion to adjourn Rebecca Parmesano / 2nd by Linus Bicker @ 7:57pm



Application Number 25 - 05

Application for Certificate of Appropriateness & Project Permit

Corporation of Shepherdstown, West Virginia

Should you have any questions regarding this application, please contact: **Andy Beall** (Phone 304-876-6858, E-Mail <u>abeall@shepherdstown.us</u>)

PLEASE PRINT OR TYPE CLEARLY

Applicant's Name:		ROBIN VON FINTEL			
(Must be Property Ow	ner)				
Mailing Address:	149 GENERAL MCCLELLAN COURT				
Maning Address.	HARPERS	FERRY, WV 25425			
Day Time Telephone	Number:	304-657-7970			
E-Mail Address:		ROBINVONFINTEL@GMAIL.COM			
Street Address of Pro	oposed Work:	310 W GERMAN STREET, SHEPHERDSTOWN, WV 25443			
Lot Number/Legal D (If no address exists)	escription:				
Current Zoning: Ring Note: See zoning map		Current Land Use: RESIDENTIAL for correct zoning classification			
gravel) and install a 8' the side yard (10' fron	W x 12' L Cap side lot line) a be placed betw	foundation site (level ground and add 3" deep 3/4" base / be Cod Style prefabricated shed. The shed will be placed in and approx. 65' from the front lot line and 129' from the rear lot een two large trees. The roof will be standing seam in dark bronze by LP Smartside.			
Cost Estimate:\$7,0		Project Category (Descriptions on Next Page):I Pine Creek Structures, Martinsburg, WV			
Contractor's Busines		PA049068			

A copy of the contractor's Shepherdstown business license or license application MUST be attached. The applicant is responsible for making sure all contractors working on this project have a Shepherdstown business license (which can be applied for at town hall). Work started without a business license could result in a stop work order on the project.



Application	Number	-	

<u>Application for Project Permit</u> (Checklist of Required Information for Applications)

structures fifty (50) years or older.

Provide information required for appropriate category of work. Staff will ensure completion of checklist material prior to applications' inclusion on meeting agenda.

Category I- Minor Projects such as awnings, porch railings, window boxes, satellite dishes, solar panels, signs, fences, non-permanent storage sheds and other minor changes. PHOTOGRAPHS OR DRAWN ELEVATION VIEWS OF THE PROPOSED WORK SITES (clearly labeled), at reasonable scales, of the parts of the structure to be altered (again, clearly labeled in terms of which side of the structure, etc.) are needed. MATERIAL AND COLOR SAMPLES for exterior finishes Category II- Driveways, decks, carports, porch enclosures and window, roof or siding replacement. Category III- New construction of and/or additions to residential, commercial, and industrial structures. Category IV- Demolition or Relocation of a Structure (Categories II and III): <u>SITE PLAN</u> is required at common engineering (1" = 10' or 1" = 20', etc.) or architectural scales (1/4" = 1' or 1/8" = 1'). Specifically, these drawings shall include: North point, scale, date, property boundaries (lot lines), existing trees and/or significant planting (if work will disturb (SAMPLE ATTACHED) surroundings), street & parking lighting. Gross & net land area of property Setback from property boundaries Existing & proposed topography (only if regrading of the property is required) Existing & proposed accessory structures. Existing & proposed street right-of-way & entrance Sidewalk, handicap access, Category IV only MATERIAL AND COLOR SAMPLES for exterior finishes ELEVATIONS, drawings indicating height of proposed structures, materials, and window and door arrangements ZONING INFORMATION shall be defined in the application as required: Dwelling density- net (residential application only) Flood plain designation if any (mapping available in Town Hall) Cost estimates and property appraisals for applications seeking exemptions from Chapter 12-Floodplain provisions **Category IV- Demolitions:** Historic designation of structures to be demolished (documents available in Town Hall) Complete description of structure(s) or part(s) of structure(s) to be demolished.

At least one (1) structural report by a certified structural engineer. Applies to demolition requests for



Checklist of Required Information for Applications Continued

All Categories:
Copy of general contractor's Shepherdstown business license or license application.
Section 9-905 Remedies and penalties
The owner or agent of a building or premises in or upon which a violation of any provision of the Planning and Zoning Title has been committed or shall exist, or the leasee or tenant of an entire building or entire premise in or upon which violation has been committed or shall exist, or the agent, architect, building contractor or any other person who commits, takes part or assists in any violation or who maintains any building or premises in or upon which such violation shall exist, shall be guilty of a misdemeanor and shall be punished by a fine not to exceed one hundred (100) dollars. Each and every day that such violation continues may constitute a separate offense.
Please read the following paragraph carefully and sign.
Attach documents specified in the checklist on the back of this application. I hereby certify that all information herein provided is true and accurate. I hereby authorize the inspection of the above premises by authorized agents of the Shepherdstown Planning Commission at any reasonable time in order to determine compliance with the Commission's approval. I understand that my presence at the assigned application review meeting is required. Application must be signed by owner or his/her agent. Date:
Print Name: Frank & Robin von Fintel
Frint Name:
Fees shall be paid to the Town Treasurer/Clerk and must accompany the application. If work begins without the required permit, double the cost of said permit will be applied.
Zoning Officer Comments: Fee Paid #50 Date Paid 2/10/2025 CHR H87



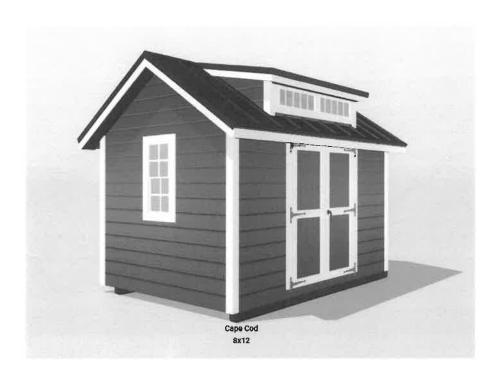
Application Number -	
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THE SHEPHERDSTOWN TOWN COUNCIL ORDAINS:

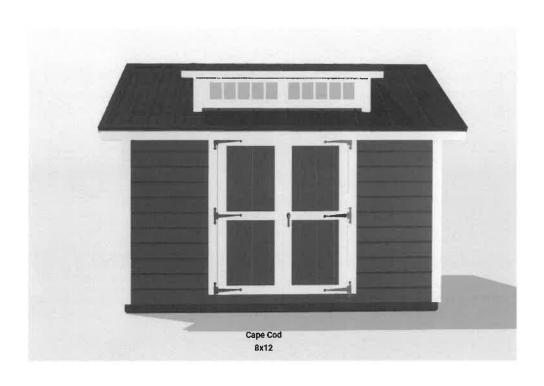
Section 9-902 of Chapter 8 paragraph XIV be amended as follows:

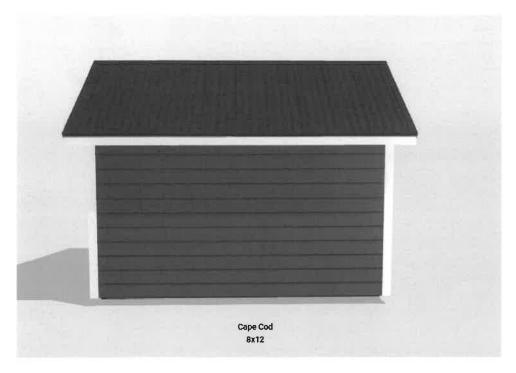
Category I:		
downspouts,	ets such as murals, awnings, porch railings, window boxes, sa patios, sidewalks, hardscaping, signs, fences, storage sheds (es and permit extensions.	(not attached to the ground) and other
- TT		\$50.00
Category II		
Window rep	lacement, roof replacement, siding replacement, porch enclos	sure, driveways, carports, and decks.
		\$100.00
Category II	<u>E</u>	
New constru	ction of and/or additions to residential, commercial, and indu	strial structures.
1		\$300 + \$0.50 per s
New constru	ction of garages & other accessory buildings (permanently at	tached to the ground).
		\$50 + \$0.10 per so
Category IV	±	
relocation of	or Relocation of a Structure: Removal of any building feat a structure to new location. For either project, the applicant n application):	ture(s) or razing of any structure(s) or must submit the following in writing
	son for the demolition/relocation (including historic documentaribe the structure's condition in detail.	tation).
3. Desc	ribe the proposed reuse of the site, including full drawings or	f new structure & landscaping.
	ence of relevant funding or financial concerns.	
5. Time	eframe for project	
	A anagaary Duildings	
\$50.00	Accessory Buildings	
\$150.00	Non-Contributing Structures (< 50 years old)	
\$150.00	Non-Contributing Structures (< 50 years old)	

Proposed Shed Design









Proposed Location of Shed



WORKShop

HLC Workshop - March 10, 2025

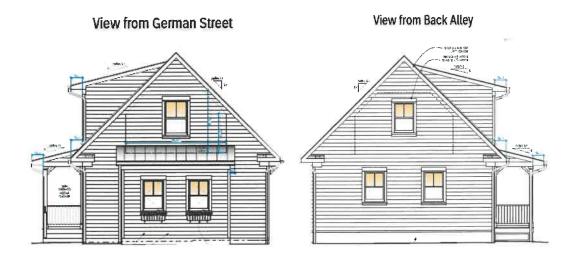
310 W German Street - Proposed Garage Design & Placement

Proposed Design

This garage design was originally envisioned as an attached garage in an earlier iteration of the main house addition. Its exterior aesthetic seamlessly extends the architectural style of the addition, ensuring a cohesive and harmonious design. It is shown below as a standalone structure (42' X 24').



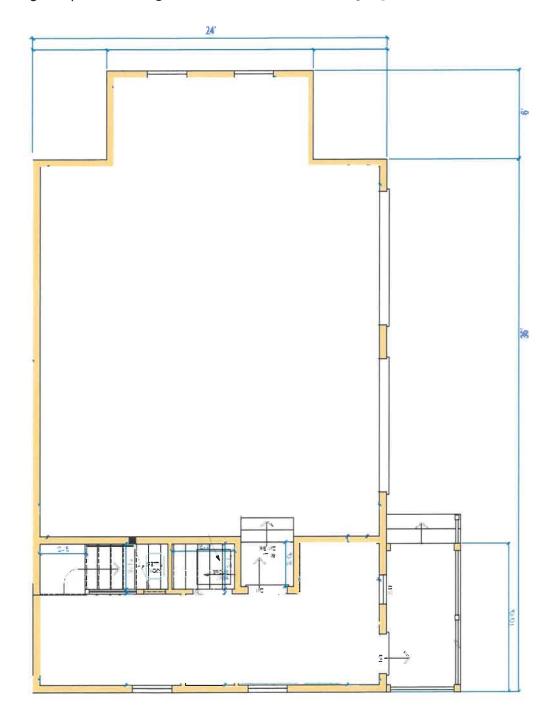




The garage will be built as an unfinished space with the potential to build two rooms and a bathroom on the 2^{nd} floor in future. The building will have electricity.

The two planned changes from what is depicted is we would likely change the main roof material from standing seam metal to asphalt shingles. The dormer and porch roofs would remain standing seam metal. The other change would be to select windows to match the main house addition.

Other changes may involve adding some windows to the rear of the garage.



Proposed Placement

The garage placement is shown in red in the plat map below. The area in gray represents the proposed gravel driveway.

The proposal is to locate the garage at the rear of the lot, adjacent to the left lot line, which sits at the highest elevation in that area. This placement is intended to mitigate flood risk, as the lot is prone to flooding. Additionally, we propose orienting the garage doors to face inward toward the lot, similar to a side-load garage. This design minimizes the need to remove several mature trees situated between the garage site and the alley.



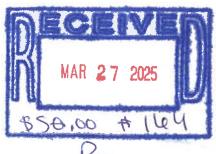


104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application # 25-06

This application is required for projects within the corporate limits of Shepherdstown (both in and out of the Historic District), that involve modifications to structural square footage. Examples include decks, porches, driveways, carports, accessory structures, and new construction of and/or additions to residential, commercial, and industrial structures. A review of the application shall be approved or rejected by the Planning Commission. If approved, the project permit is valid for one year from the date of issuance. Please reference Title 9, Section-902.

Applicant's Name:	Meredith	Houck	+ McHn	ew Brini	cley	
(Must be Property Ov	vner)				1	
Mailing Address:	P.O. Box	298				
	Shepherdstor City	ωη		·	W\/I State	<u>29443</u> Zip
Telephone:	336-420-10	931	Email _	meredit	h I houch @	gmail-com
Street Address of Pro	posed Work: _	109 N	Princess	54		
Current Zoning: Note: Reference <u>this</u>	R4 map for zoning Cla	ssifications.	Current	Land Use:	Reside	ntial
Description of Work:						
Project Category:(see descriptions on next	page)					
Contractor Performing	ng the Work:	Morgan	Lawn +	Scruices	LLC	
Contractor's Busines	_	2025		45		
A copy of the contractor's	Shepherdstown busin	iess license or l	icense applica	ition <u>MUST</u> be	attached.	





ξ) 3

	104 N King S
	PO Box 248 (for mailing
Application #	Shepherdstown, WV 2544

Check all the areas that apply: Minor Projects such as awnings, porch railings, window boxes, satellite dishes, solar panels, Category Isigns, fences, non-permanent storage sheds and other minor changes. PHOTOGRAPHS OR DRAWN ELEVATION VIEWS OF THE PROPOSED WORK SITES (clearly labeled), at reasonable scales, of the parts of the structure to be altered (again, clearly labeled in terms of which side of the structure, etc.) are needed. MATERIAL AND COLOR SAMPLES for exterior finishes Category II- Driveways, decks, carports, porch enclosures and window, roof, or siding replacement. Category III- New construction of and/or additions to residential, commercial, and industrial structures. (Categories II and III): SITE PLAN is required at common engineering (1" = 10' or 1" = 20', etc.) or architectural scales (1/4" = 1' or 1/8" = 1'). Specifically, these drawings shall include: North point, scale, date, property boundaries (lot lines), existing trees and/or significant planting (if work will disturb surroundings), street & parking lighting. Gross & net land area of property Setback from property boundaries Existing & proposed topography (only if regrading of the property is required) ____ Existing & proposed accessory structures. _ Existing & proposed street right-of-way & entrance Sidewalk, handicap access, Category IV only MATERIAL AND COLOR SAMPLES for exterior finishes ELEVATIONS, drawings indicating height of proposed structures, materials, and window and door arrangements. ZONING INFORMATION shall be defined in the application as required: Dwelling density- net (residential application only) __ Flood plain designation if any (mapping available in Town Hall) Cost estimates and property appraisals for applications seeking exemptions from Chapter 12-Floodplain provisions. Category IV- Demolitions or Relocation of a Structure: Historic designation of structures to be demolished (documents availab ___ Complete description of structure(s) or part(s) of structure(s) to be demals ad. At least one (1) structural report by a certified structural engineer. Applied demolition requests structures fifty (50) years or older.

All Categories:

. Copy of general contractor's Shepherdstown business license or license application.



104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application #_	
Application II	

Remedies and penalties

The owner or agent of a building or premises in or upon which a violation of any provision of the Planning and Zoning Title has been committed or shall exist, or the leasee or tenant of an entire building or entire premise in or upon which violation has been committed or shall exist, or the agent, architect, building contractor or any other person who commits, takes part or assists in any violation or who maintains any building or premises in or upon which such violation shall exist, shall be guilty of a misdemeanor and shall be punished by a fine not to exceed one hundred (100) dollars. Each and every day that such violation continues may constitute a separate offense. Reference Title 9-905.

Please read the following paragraph carefully and sign.

Attach documents specified in the checklist of this application. I hereby certify that all information herein provided is true and accurate. I hereby authorize the inspection of the above premises by authorized agents of the Shepherdstown Planning Commission at any reasonable time to determine compliance with the Commission's approval. I UNDERSTAND THAT MY PRESENCE AT THE ASSIGNED APPLICATION REVIEW MEETING IS REQUIRED. Application must be signed by owner or his/her agent.

Date: March 27, 2025	Signature:	Mereolith Seigh Harch
	(Owner) Print Name:	Meredith Leigh Houck
		, 10 toll 20 j
For Office Use:		
Permit Number:		
Zoning Officer Comments:		Fee Paid
		Date Paid



104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application	#
Application	

Application Fees

Please check all boxes that may apply. Reference Section 9-902 of Chapter 8 paragraph XIV for more information. Application fees due upon submittal. Fees should be payable to the Town Treasurer/Clerk and must accompany the application. If work begins without the required permit, double the cost of said permit will be applied.

	Category I:
✓	\$50.00 - Minor projects such as murals, awnings, porch railings, window boxes, satellite dishes, solar panels gutters & downspouts, patios, sidewalks, hardscaping, signs, fences, storage sheds (not attached to the ground and other minor changes and permit extensions.
	Category II:
	\$100.00 - Window replacement, roof replacement, siding replacement, porch enclosure, driveways, carports, and decks.
	Category III:
	\$300 + \$0.50 per sq ft - New construction of and/or additions to residential, commercial, and industrial structures.
	\$50 + \$0.10 per sq ft - New construction of garages & other accessory buildings (permanently attached to the ground).
	Category IV:
	Demolition or Relocation of a Structure: Removal of any building feature(s) or razing of any structure(s) or relocation of a structure to new location. For either project, the applicant must submit the following in writing (in addition to an application):
	 Reason for the demolition/relocation (including historic documentation). Describe the structure's condition in detail. Describe the proposed reuse of the site, including full drawings of new structure & landscaping. Evidence of relevant funding or financial concerns. Timeframe for project
	\$50.00 - Accessory Buildings \$150.00 - Non-Contributing Structures (< 50 years old) \$500.00 - Contributing Structures (≥ 50 years old)

CORPORATION OF SHEPHERDSTOWN Jefferson County, West Virginia

LICENSE #

2025-004,745

ISSUED TO:

\$21.00

MORGAN LAWN AND SERVICES LLC 80 VOLUNTEER WAY SHEPHERDSTOWN WV 25443

ACCOUNT# YEAR E	NDING EFF. DA	EXP.	DATE	FILING FEE
2164-00	2025 7	7/01/24	6/30/25	\$1.00
LICENSE TYPE(S)	AMOUNT	DESCRIPTION	<u>ON</u>	
125	\$20.00	General	Business	

Mayor

Recorder

Authorized to operate the business indicated by payment of fee, for a period of one year, from July 1, 2024 to June 30, 2025.

Corporation of Shepherdstown

Town Clerk

MUNICIPAL LICENSE

2024 - 2025

WEST VIRGINIA STATE TAX DEPARTMENT BUSINESS REGISTRATION CERTIFICATE

ISSUED TO:
MORGAN LAWN AND SERVICES LLC
80 VOLUNTEER WAY
SHEPHERDSTOWN, WV 25443-0000

BUSINESS REGISTRATION ACCOUNT NUMBER:

2260-6024

This certificate is issued on:

2/3/2013

This certificate is issued by
The West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code

The person or organization identified on this certificate is registered to conduct business in the State of West Virginia at the location above.

This certificate is not transferrable and must be displayed at the location for which issued. This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them. CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS; Must have a copy of this certificate displayed at every job site within West Virginia.

atL006 v.4 L0260413504



Site Plan for 109 N Princess St

Backyard Renovation

Project Plan

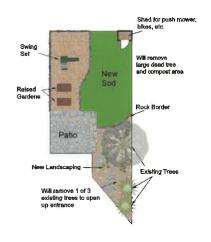
• To remove existing ponds in backyard and create a more functional space that includes a swing set, shed for storage, new sod and landscaping based on the plans shown below.

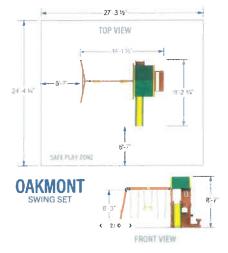
Contractor Request

- Permit for constructing the 8x8 wooden shed
- Shed will come primed and ready for paint and will be constructed on site
- Shed will be painted in white and black colors to match the house

Contact Info

- Justin Morgan
- 304-676-9537
- morganlawnllc@gmail.com



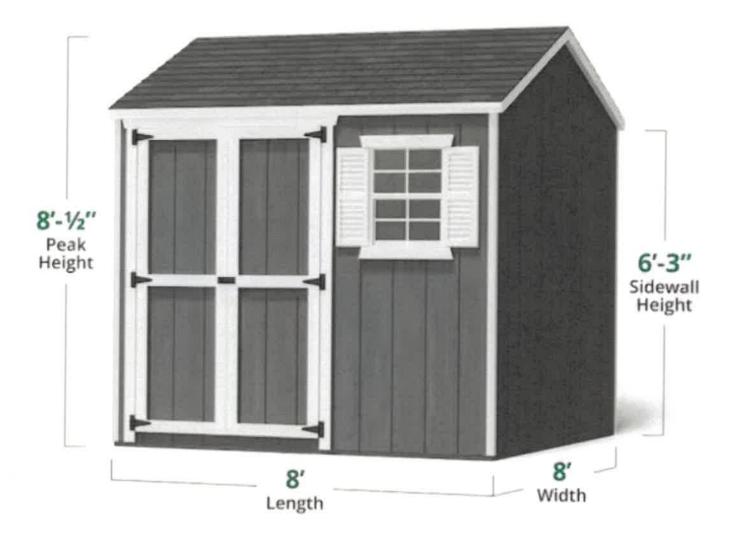






8x8 Value Workshop

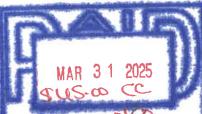




Hover Image to Zoom







Application for Sign Permit

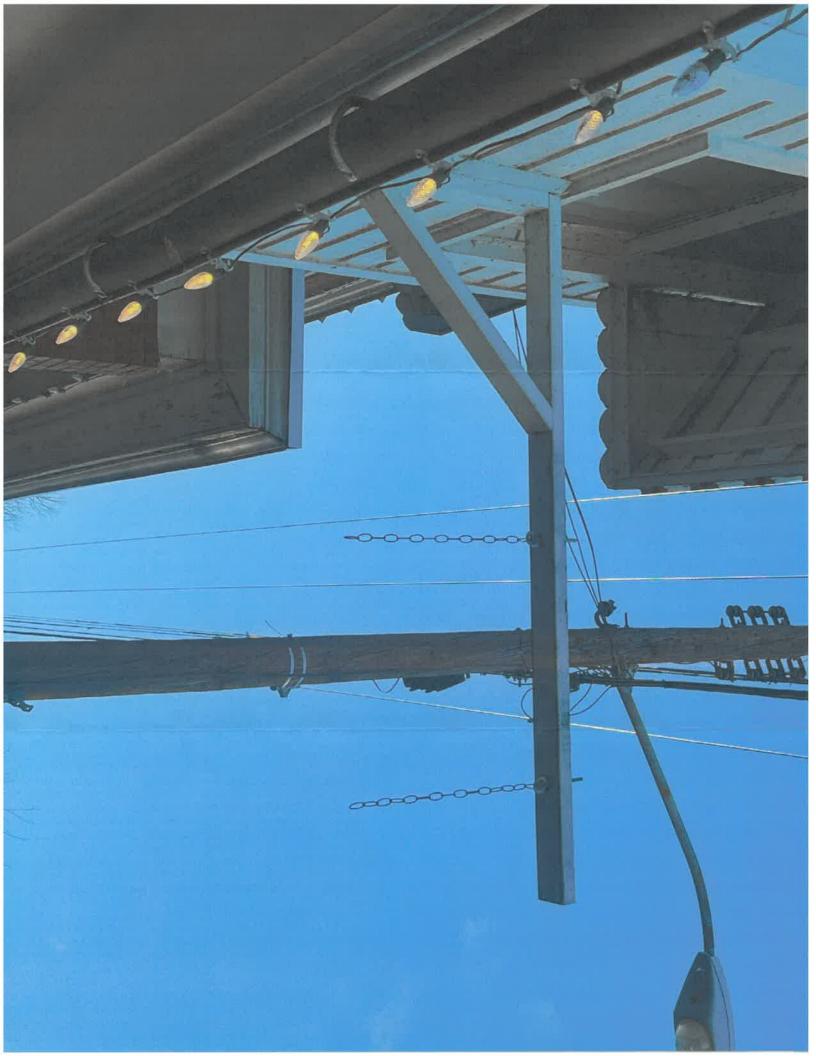
104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

This application needs to be submitted to Town Half for approval of any signage. Please reference <u>Title</u> 9, Section-210.

Name of applicant: (include name of business	Mohalu Wellness / Tro	y Lozinski			
Mailing address:	453 Symington Drive				
	Martinsburg		WV	2540)4
	City		Stat	e	Zip
Telephone:	814-937-0880	Email	Troy.lozinski@gma	ail.com	
Street address of pro	posed work: 126 \	W. German Street			
Telephone:	N/A	Email:	N/A		
Drawing or Drawing or Drawing or Drawing or Hanging Sign(s) only: Bottom of solution of s	h of storefront in feet e footage of proposed picture of building sh picture of sign(s) with picture of bracket or sign is required to be a of sign may not exter	d sign(s) = 3.75 dowing placement of high dimensions & mat method of mounting a minimum 7ft abound closer than 3ft from	f sign(s) erial composition g sign e sidewalk om curb face		
I hereby certify that a the above premises b to determine complia	y authorized agents o	of the Shepherdstow	n Planning Comm	ission at any r	easonable time
Date: 10 MAAC	H, 2025	Signature: (Applicant)	2 m 2		
If you are a tenant, you This must be done printed by the second of the	or to submission of a		Brian P.	Romine	2



22.91 in





25-08

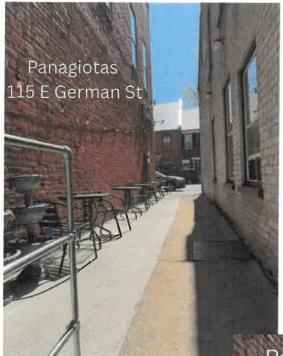


DECEIVED MAR 2 1 2025 **Application for Fence Permit**

104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

This application is required for fencing within the corporate limits of Shepherdstown (for residents and businesses), that involve the construction or modification to fencing. A review of the application shall be approved or rejected by the Planning Commission. If approved, the project permit is valid for one year from the date of issuance. Please reference <u>Title 9</u>, <u>Section-803</u>.

Applicant's Name:	Mary Lo	owe (E	mnanuil Spa	105)	
(Must be Property Ow	1			1	
•	•	115 5 6			
Street Address of Pro	posed Fence:	115 E Ges	man St		
Mailing Address:	174 P.01	31x 3	015 ting	5+	
	Sheph	erd stown	-	WV	25443
	Cit	У		State	Zip
Telephone: 30	4-870-49	(30	email <u>Lets</u>	eat e f	caagistas. Cor
C	ell# 304.83	39.6616			. 11
Description of Work:	304.91	19.5198			white
Description of Work: Fence for	Patio,	White Vinyl	, With pos	its in t	flower pots
	\$500				
Cost Estimate:	1 5 00				
Contractor Performin	g the Work:	Emmanue	1 Spanes		
Contractor's Business A copy of the contractor's		siness license or licens	se application <u>MUST</u> l	oe attached.	
1					
Project Category I - pr	rovide the follo	wing:			
					(clearly labeled), at
reasonable scales, of t	the parts of the	structure to be alt	ered (again, clearl	y labeled in t	erms of which side of
the structure, etc.) are					
		<u>.ES</u> for exterior fini		AL SECTION AND ADDRESS OF THE PARTY OF THE P	
					drawings shall include:
			existing trees and	l/or significa	nt planting (if work will
disturb surroundings)					
Setbac	k from property	boundaries		//	
Date: 3/13/	25	Signature: (Applicant)	Enle	K	
		Print Name	: Emminu1/	Span 0 5	

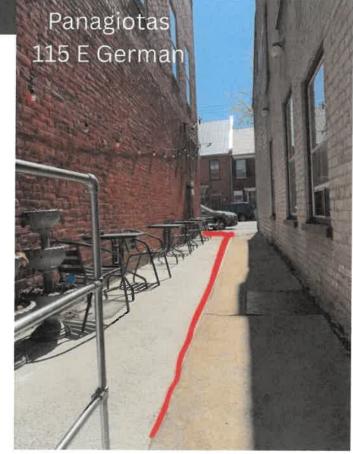


Before

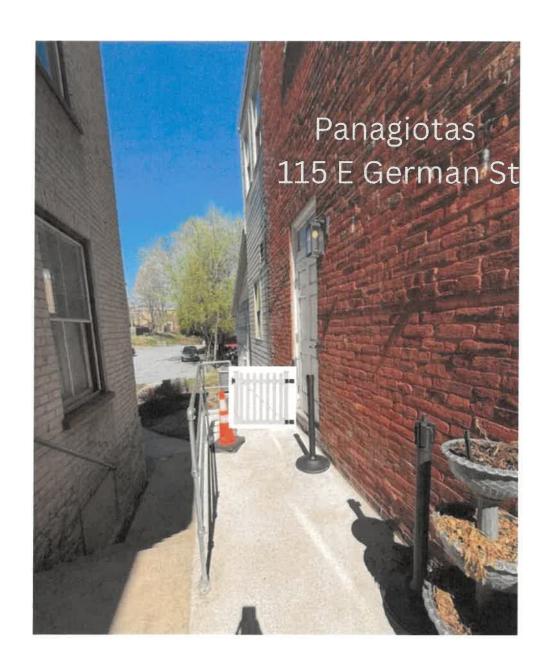
The Red Line, represents where the lattice fence will go



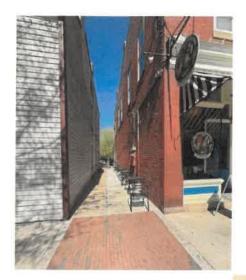
White Vinyl Lattice Fence held in place by 4x4 posts, cement in flower pots.



After







Before



115 E German St Shepherdstown, WV 25425 304-870-4830



Vase with a 4x4 piece of Wood



Lattice Fence.

- will not be on side walk
- Lattice fence is 4ft high
- Will not block ally

Emand. White they White Viny -> to propert Sidewalk Pland Rai 中である (2Ft lin.) able Jable! 2) de da ble DOOR white why viny 5 Couran Vanglotas Buldwa

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Application for Project Permit

104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application # 25 - \\

This application is required for projects within the corporate limits of Shepherdstown (both in and out of the Historic District), that involve modifications to structural square footage. Examples include decks, porches, driveways, carports, accessory structures, and new construction of and/or additions to residential, commercial, and industrial structures. A review of the application shall be approved or rejected by the Planning Commission. If approved, the project permit is valid for one year from the date of issuance. Please reference Title 9, Section-902.

Applicant's Name:	11m let n	Man		
(Must be Property Ow	vner)			
Mailing Address:	72 Shephe	erd Village	CITC	9
	Shepherds -	own	WV	25443
	City		State	Zip
Telephone:	30427683	06 Email South	porttim	agmail. con
Street Address of Pro	pposed Work: 72	Shop hard Vil	lage Gra	· P O
Current Zoning: RE	SIVENTIAC	∬ Current Land Use:	Teside	utal
Note: Reference this I	map for zoning Classification	ns.		
Description of Work:	wed-in back	Porch		
Project Category: (see descriptions on next page 1)	page) RA	Y CASIANO		
Contractor Performin	ng the Work:	ion Handy	Man	2
Contractor's Business A copy of the contractor's	s License: Shepherdstown business license	e or license application MUST b	pe attached.	
ECEIVE		NIA)		





Please reference <u>Title 9</u> of Town Ordinance for specifics



Check all the areas that apply:

Application for Project Permit

104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application #_ 25-1)

Category I-	Minor Projects such as awnings, porch railings, window boxes, satellite dishes, solar panels,
	signs, fences, non-permanent storage sheds and other minor changes.
	OGRAPHS OR DRAWN ELEVATION VIEWS OF THE PROPOSED WORK SITES (clearly labeled), at
reasonable s	cales, of the parts of the structure to be altered (again, clearly labeled in terms of which side of
the structure	e, etc.) are needed.
MATE	ERIAL AND COLOR SAMPLES for exterior finishes
Category II-	priveways, decks, carports, porch enclosures and window, roof, or siding replacement.
Category III-	New construction of and/or additions to residential, commercial, and industrial structures.
(Categories I	
SITE P	<u>LAN</u> is required at common engineering $(1'' = 10')$ or $(1'' = 20')$, etc.) or architectural scales $(1/4'' = 1)$
	or $1/8'' = 1'$). Specifically, these drawings shall include: North point, scale, date, property
	boundaries (lot lines), existing trees and/or significant planting (if work will disturb
	surroundings), street & parking lighting.
	Gross & net land area of property
	Setback from property boundaries
	_ Existing & proposed topography (only if regrading of the property is required)
	Existing & proposed accessory structures.
	Existing & proposed street right-of-way & entrance
	Sidewalk, handicap access, Category IV only
MATE	RIAL AND COLOR SAMPLES for exterior finishes
ELEVA	TIONS, drawings indicating height of proposed structures, materials, and window and door
	arrangements.
ZONI	NG INFORMATION shall be defined in the application as required:
	Dwelling density- net (residential application only)
	Flood plain designation if any (mapping available in Town Hall)
	Cost estimates and property appraisals for applications seeking exemptions from Chapter 12-
	Floodplain provisions.
Category IV-	Demolitions or Relocation of a Structure:
Histor	ric designation of structures to be demolished (documents available in Town Hall)
Comp	lete description of structure(s) or part(s) of structure(s) to be demolished.
At lea	st one (1) structural report by a certified structural engineer. Applies to demolition requests for
	structures fifty (50) years or older.
All Categorie	
Сору	of general contractor's Shepherdstown business license or license application.
	Please reference <u>Title 9</u> of Town Ordinance for specifics
	Please contact Andy Beall with any questions. (304) 876-6858 • abeall@shepherdstown.gov



104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application #_______

Remedies and penalties

The owner or agent of a building or premises in or upon which a violation of any provision of the Planning and Zoning Title has been committed or shall exist, or the leasee or tenant of an entire building or entire premise in or upon which violation has been committed or shall exist, or the agent, architect, building contractor or any other person who commits, takes part or assists in any violation or who maintains any building or premises in or upon which such violation shall exist, shall be guilty of a misdemeanor and shall be punished by a fine not to exceed one hundred (100) dollars. Each and every day that such violation continues may constitute a separate offense. Reference Title 9-905.

Please read the following paragraph carefully and sign.

Attach documents specified in the checklist of this application. I hereby certify that all information herein provided is true and accurate. I hereby authorize the inspection of the above premises by authorized agents of the Shepherdstown Planning Commission at any reasonable time to determine compliance with the Commission's approval. I UNDERSTAND THAT MY PRESENCE AT THE ASSIGNED APPLICATION REVIEW MEETING IS REQUIRED. Application must be signed by owner or his/her agent.

Date: April 25 2025	Signature: M. Cowner) Print Name: Tetwaw
For Office Use:	
Permit Number:	
Zoning Officer Comments:	Fee Paid
	Date Paid



104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application #_____

Application Fees

Please check all boxes that may apply. Reference Section 9-902 of Chapter 8 paragraph XIV for more information. Application fees due upon submittal. Fees should be payable to the Town Treasurer/Clerk and must accompany the application. If work begins without the required permit, double the cost of said permit will be applied.

Category I:
\$50.00 - Minor projects such as murals, awnings, porch railings, window boxes, satellite dishes, solar panels, gutters & downspouts, patios, sidewalks, hardscaping, signs, fences, storage sheds (not attached to the ground) and other minor changes and permit extensions.
Category II:
\$100.00 - Window replacement, roof replacement, siding replacement, porch enclosure, driveways, carports, and decks.
Category III:
\$300 + \$0.50 per sq ft - New construction of and/or additions to residential, commercial, and industrial structures.
\$50 + \$0.10 per sq ft - New construction of garages & other accessory buildings (permanently attached to the ground).
Category IV:
Demolition or Relocation of a Structure: Removal of any building feature(s) or razing of any structure(s) or relocation of a structure to new location. For either project, the applicant must submit the following in writing (in addition to an application):
 Reason for the demolition/relocation (including historic documentation). Describe the structure's condition in detail.
 Describe the structure's condition in detail. Describe the proposed reuse of the site, including full drawings of new structure & landscaping. Evidence of relevant funding or financial concerns. Timeframe for project
\$50.00 - Accessory Buildings
\$150.00 - Non-Contributing Structures (< 50 years old) \$500.00 - Contributing Structures (≥ 50 years old)

TERMIN BACK PORCH PROJECT

Specifications - Dated 4/8/2025

GENERAL NOTES

The intention for the project is to match the materials (including finish and color) or existing back porches found throughout Shepherd Village as much as possible. The Contractor should examine existing structures and make an effort to replicate the architecture as a guide to selection of materials, products, finishes, colors.

Suggested specific materials and products to achieve this intent are described below.

The Drawings do not, in general, show actual fasteners such as screws and nails throughout the project. Fasteners are shown only for reference in specific & limited product details. The Contractor should follow fastening instructions per product recommendations and best practices of the construction industry.

ROUGH CARPENTRY

All structural members exposed to the elements or ground contact shall be pressure treated. Member sizing shall be as noted on the Drawings. Any substitutions must be approved by the Owner.

Structural posts in the New Work shall be of pressure treated wood even where they are covered.

All exposed rough carpentry shall be painted with an opaque stain that matches the adjacent existing colors as closely as possible. Where an exact match is not possible, the new stain color should be slightly darker (not lighter) than the existing finish.

TRIM

PRODUCT - Trim is called out in the Drawings as '1x2', '1x4', '1x6' or '1x8' as needed. All such trim materials shall be of **LP SmartSide 440 Series – Cedar Texture**. The actual thickness of this product is 0.625, and the widths are typical for the noted nominal dimensions (so 0.625" X 1.5" for a 1x2, 0.625" X 3.5 for a 1x4, and so on).

The Contractor should consult product literature for these products for additional information about available lengths (generally 8 or 12.5 ft long), fastening, storing, etc.

COLOR - Unless otherwise noted on the Drawings, all trim shall be painted Bright White – at least 2 coats of good quality latex exterior paint in a Satin or Semi-Gloss finish. Match existing house trim finish as closely as possible.

Some of the trim material may come pre-painted. Verify color match with existing house trim. Most of the trim materials come from the manufacturer pre-primed.

SEALANT - All joints and seams between adjacent pieces of trim shall be sealed using good quality silicone or latex caulk — Bright White. Contractor should consult the trim manufacturer recommendations regarding sealant. Ideally, all sealant shall be installed BEFORE the painting.

BEADBOARD (Ceilings & End Fascia)

Material called out in the Drawings as 'beadboard' shall be **LP SmartSide 38 Series** – Cedar Texture. The actual thickness of this product is 0.354", and is typically available in 4x8 (foot) sheets.

The Contractor should consult product literature for this product for additional information about fastening, storing, etc.

COLOR - Unless otherwise noted on the Drawings, all beadboard shall be painted Bright White – at least 2 coats of good quality latex exterior paint in a Satin or Semi-Gloss finish. Match existing house porch ceilings finish as closely as possible.

SEALANT - All joints and seams between adjacent pieces of trim & beadboard shall be sealed using good quality silicone or latex caulk — Bright White. Contractor should consult the beadboard manufacturer recommendations regarding sealant. Ideally, all sealant shall be installed BEFORE the painting.

STANDING SEAM METAL ROOFING

26-gauge galvalume double lock standing seam roof

Panels width 16 inches

Mechanically fastened

1 – 2 inch tall double locked seams with Kynar painted finish matching front porch roof.

Color: Dove Grey. Verify match with front porch roof (as close as possible).

Example Product: Western States MS2 Mechanically Seamed

Roof must be rated for 1:12 minimum pitch.

Contractor should consult with Owner regarding final selection.

The Drawings reflect the standard details for the **Horizon-Loc** product and should be modified per the manufacturer recommended installation and materials of the final product selected.

ALTERNATE PRODUCT

With the permission of the Owner, the **Horizon-Loc** product used on existing front porch may be used instead of the spec above. Horizon-Loc is not warranted for use on porch roofs with pitch less than 3:12, but might be allowed since this is not an interior space, assuming the Owner is willing to accept the added risk of damage to the porch structure and finishes.

METAL FLASHING

Metal flashing used to protect the top edge of trim shall be aluminum or stainless steel, with a drip edge. The visible edge of the flashing must be straight and tight to the trim it is covering. See examples where this has been done on existing house trim as an example. The flashing must be painted to match the trim, preferably pre-painted (powder coated?) and pre 'broken'.

The top edge of all flashing (where it attaches to the wall) must be sealed with tape intended for that purpose (compatible with the house wrap and the metal flashing. The tape should also cover the nail or screw heads fastening the metal flashing to the wall (to prevent water from running behind the metal flashing).

GUTTERS

Gutters and downspouts shall be similar in size, profile and color (white) to those on the existing house.

Roof flashing must be installed to ensure that water from the roof empties into and not behind the gutters (seems obvious, but this has been a problem in some houses at SV in the past).

Water from the house roof should not be collected and then discharged in one location onto the porch roof, creating the potential for a concentrated stream that may overrun the porch gutter. As described in the Drawings, it may be better to remove the existing section of house gutter above the new porch and install fascia that will ensure that water from the roof is discharged evening onto the porch roof. The Contractor shall discuss options with the Owner and determine the best arrangement to ensure all water is conveyed to the ground and does not overrun the gutters.

NEW FLOOR MATERIAL & CONSTRUCTION

Because of the level of grade surrounding the rear of the house, a TBD option must be worked out between the Owner (with input from the HOA) and Contractor. Currently envisioned options are wood framed decking (option 1) or concrete slab (option 2). Whichever option is implemented, the new construction must not:

- a. Disrupt the flow of stormwater in a way that will impact run off onto neighboring properties OR cause groundwater to flow back toward the house foundation.
- b. Damage the existing house foundation
- c. Damage the existing house foundation drainage system.

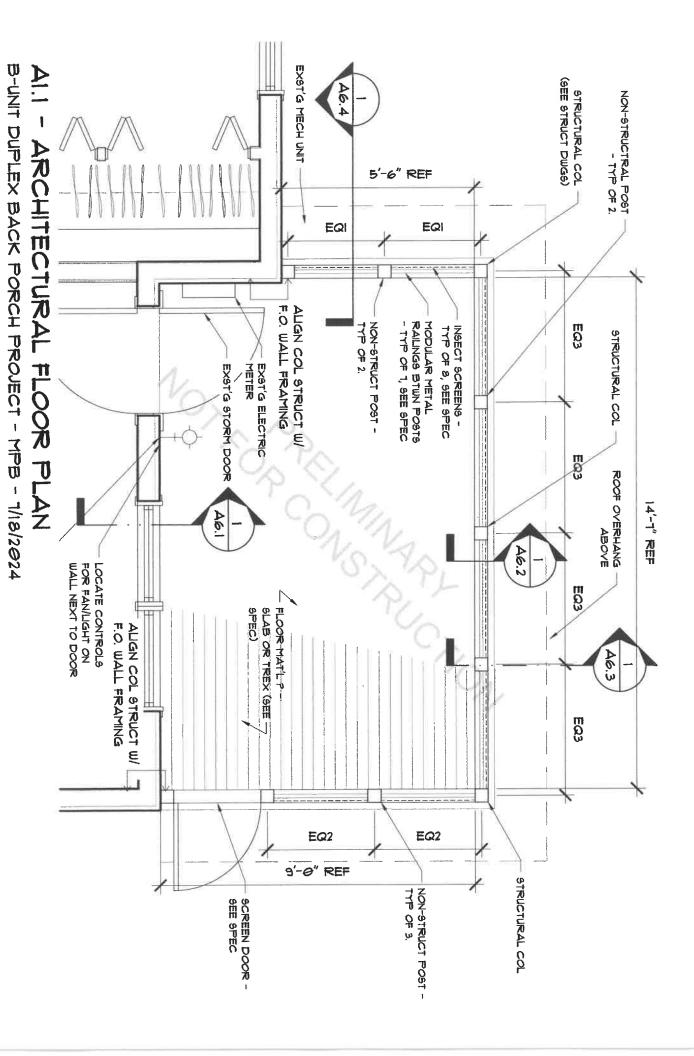
Option 1 - FRAMED DECKING

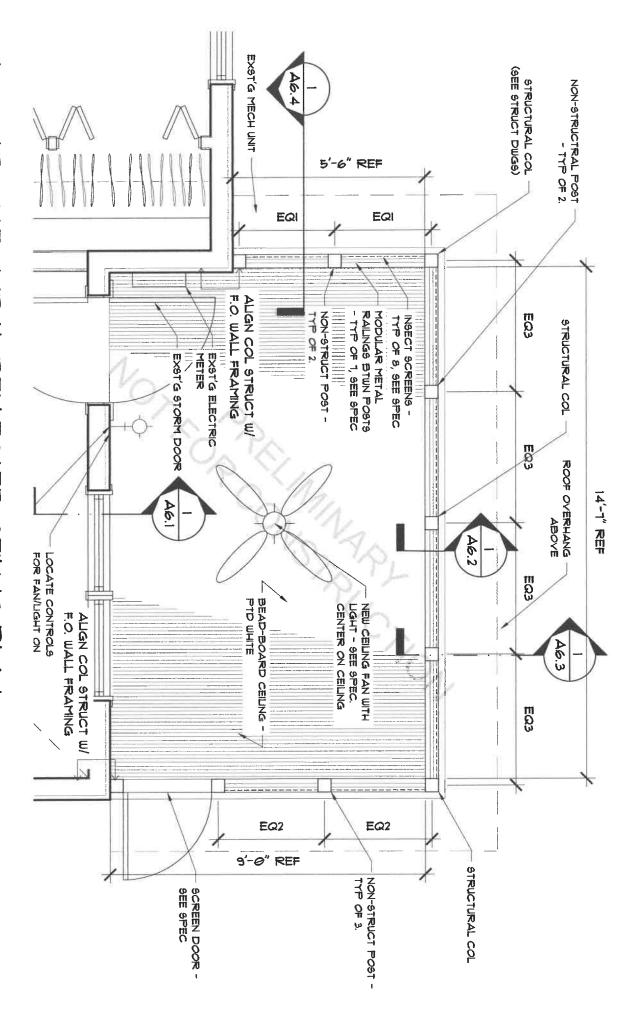
All structural members shall be pressure treated and sealed as needed to prevent decay.

DECKING FINISH PRODUCT: Trex Enhance Basic

COLOR: Clam Shell (a medium gray)

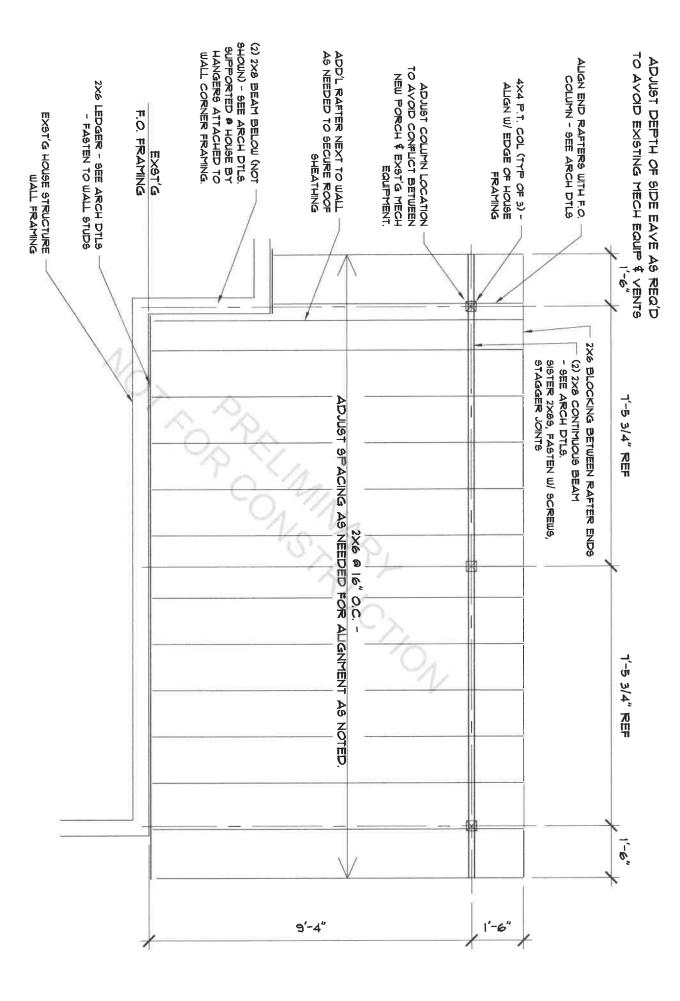
DIMENSIONS: 5.5" wide x 0.94" thick. Available in lengths of 8', 12' or 16'.





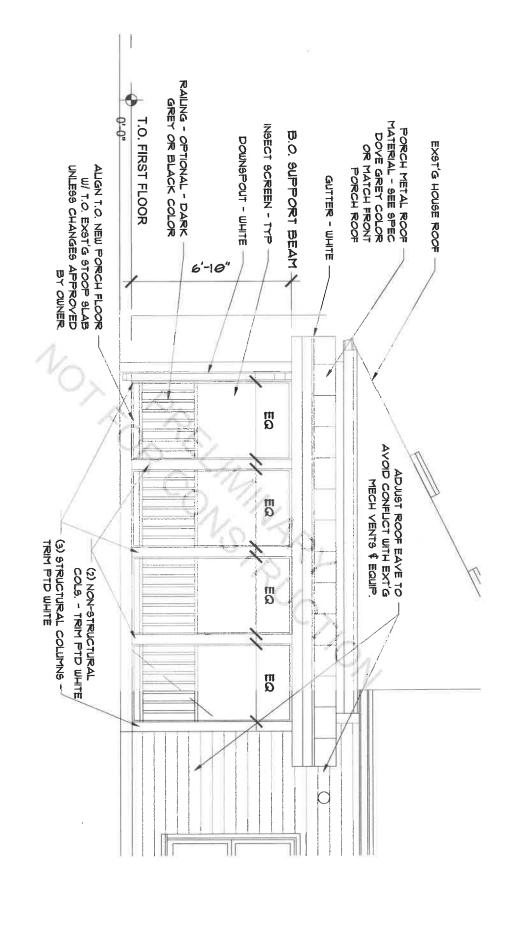
ARCHITECTURAL REFLECTED CEILING PLAN

B-UNIT DUPLEX BACK PORCH PROJECT - MPB - 1/18/2024



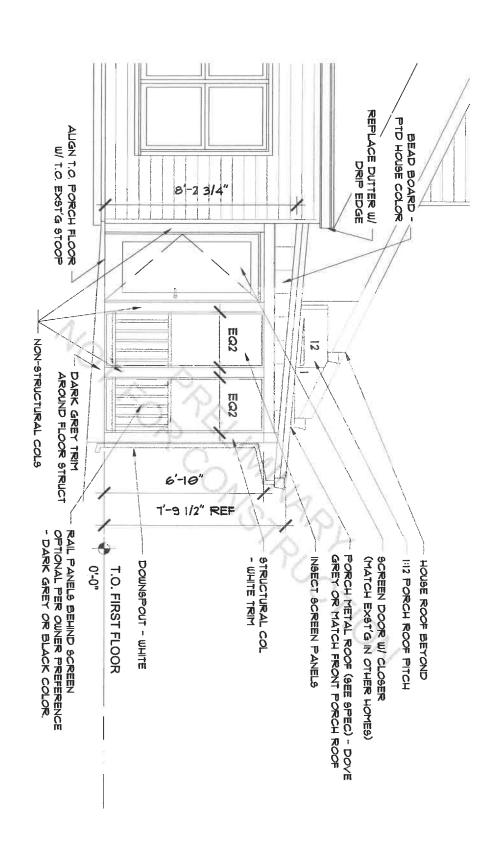
SI.I - STRUCTUAL FRAMING PLAN - ROOF

B-UNIT DUPLEX PORCH - MPB - 4/1/2025

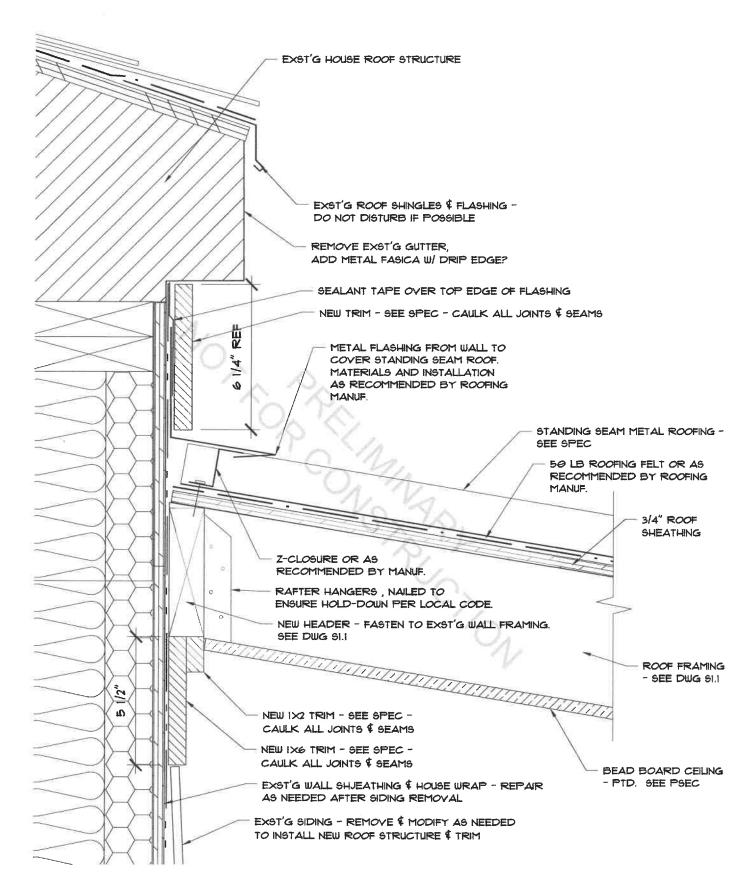


A2.1 - TERMIN BACK PORCH REAR ELEVATION

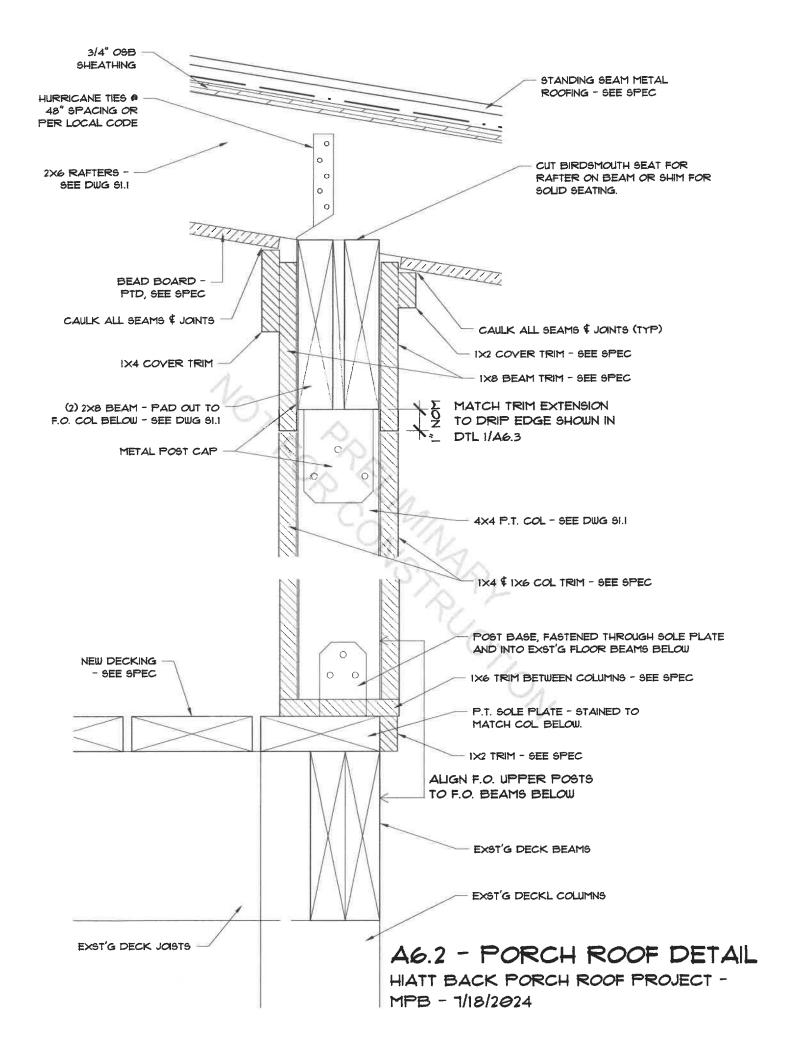
MPB - 4/1/2025

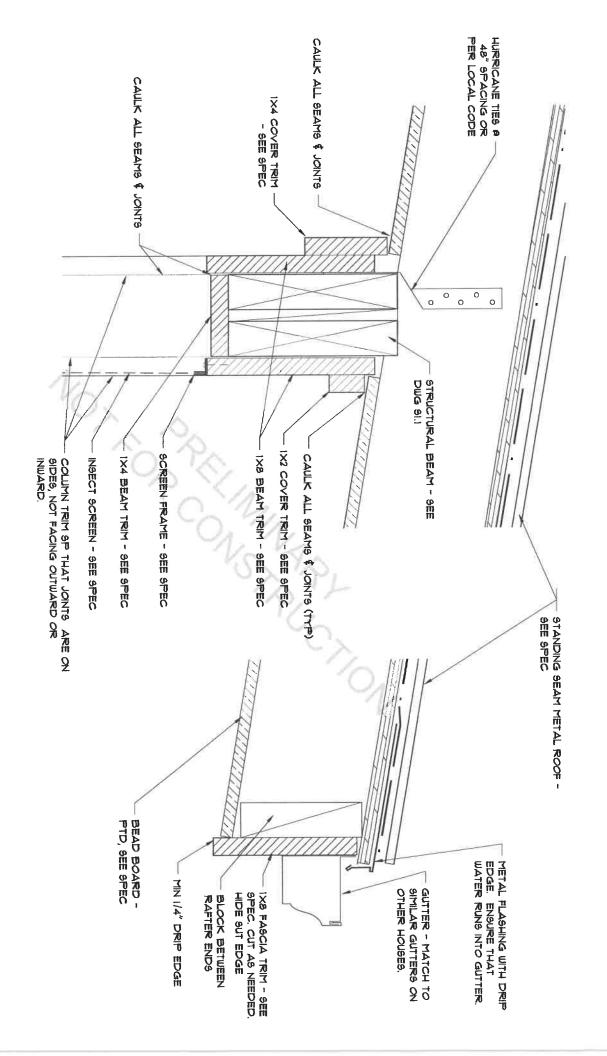


MPB - 4/1/2025 A2.2 - TERMIN BACK PORCH SIDE ELEVATION

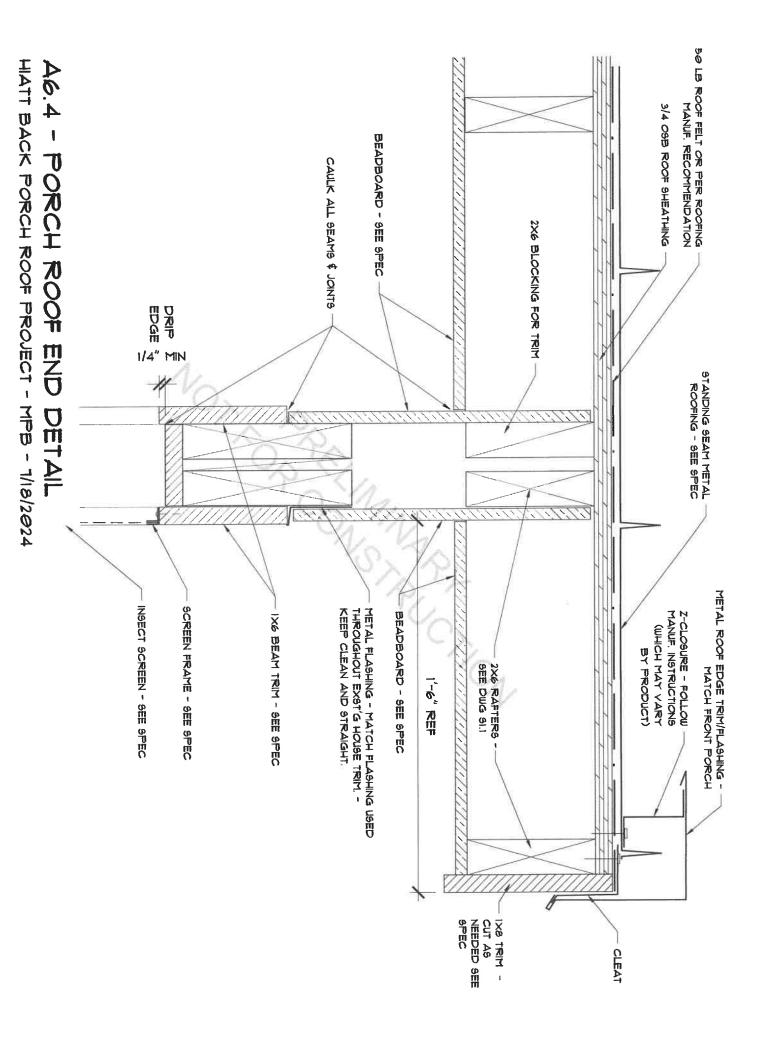


A6.1 - PORCH ROOF DETAIL @ HOUSE HIATT BACK PORCH ROOF PROJECT - MPB - 1/18/2024





46.3 - PORCH ROOF PROJECT - MPB - 1/18/2024



CONTRACTOR LICENSE



NUMBER: WV056812

BOARD

CLASSIFICATION:

RESIDENTIAL SPECIALTY DRYWALL PAINTING FLOOR COVERING

> EUTIMIO CASIANO DBA RANSON HANDYMAN 1222 STALLION STREET RANSON. WV 25438

DATE ISSUED

EXPIRATION DATE

OCTOBER 19, 2024

OCTOBER 19, 2025

Authorized Signature

Chair, West Virginia Contractor Licensing Board



HEST VIRGINIA

POP LICENSING

A copy of this license must be readily available for inspection by the Board on every job site where contracting work is being performed. This license number must appear in all advertisements, on all bid submissions, and on all fully executed and binding contracts. This license is non-transferable. This license is being issued under the provisions of West Virginia Code, Chapter 30, Article 42.

STORATION S

Application for Project Permit

104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application # 25-12

This application is required for projects within the corporate limits of Shepherdstown (both in and out of the Historic District), that involve modifications to structural square footage. Examples include decks, porches, driveways, carports, accessory structures, and new construction of and/or additions to residential, commercial, and industrial structures. A review of the application shall be approved or rejected by the Planning Commission. If approved, the project permit is valid for one year from the date of issuance. Please reference Title 9, Section-902.

Applicant's Name:	JL Moore Inc Michelle Shipley Garry Shipley						
(Must be Property O	wner)						
Mailing Address:	PO Box 1355	5					
	Shepherdstow	'n			WV	25443	
	Ci	ty			State	Zip	
Telephone:	304-279-220	8	_Email	ghshiple	y@hotmail.c	com	
Street Address of Pr	oposed Work:	110 College St					

Current Land Use: Vacant

Description of Work:

Current Zoning:

Project Category: Category 3

(see descriptions on next page)

Contractor Performing the Work: JL Moore Inc Garry Shipley

Contractor's Business License: WV000216

R1

Note: Reference this map for zoning Classifications.

A copy of the contractor's Shepherdstown business license or license application MUST be attached.



DECEIVED
MAY 9 2025

Please reference Title 9 of Town Ordinance for specifics



104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application # 25-12

Check all the areas that apply:

Categor	Minor Projects such as awnings, porch railings, window boxes, satellite dishes, solar panels, signs, fences, non-permanent storage sheds and other minor changes.
F	HOTOGRAPHS OR DRAWN ELEVATION VIEWS OF THE PROPOSED WORK SITES (clearly labeled), at
reasonal	ple scales, of the parts of the structure to be altered (again, clearly labeled in terms of which side of
the struc	ture, etc.) are needed.
	IATERIAL AND COLOR SAMPLES for exterior finishes
Category	II- Driveways, decks, carports, porch enclosures and window, roof, or siding replacement.
Category	III- New construction of and/or additions to residential, commercial, and industrial structures.
	es II and III):
	E PLAN is required at common engineering (1" = 10' or 1" = 20', etc.) or architectural scales (1/4" = 1 or 1/8" = 1'). Specifically, these drawings shall include: North point, scale, date, property boundaries (lot lines), existing trees and/or significant planting (if work will disturb surroundings), street & parking lighting. Gross & net land area of property
\overline{x}	Gross & net land area of property Setback from property boundaries
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-	Existing & proposed accessory structures.
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	Sidewalk, handicap access, Category IV only
MA	TERIAL AND COLOR SAMPLES for exterior finishes
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ategory I	V- Demolitions or Relocation of a Structure:
	oric designation of structures to be demolished (documents available in Town Hall)
Con	plete description of structure(s) or part(s) of structure(s) to be demolished.
At le	east one (1) structural report by a certified structural engineer. Applies to demolition requests for
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ll Catego	ries:
Cop	y of general contractor's Shepherdstown business license or license application.



104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application # 25 - 12

Remedies and penalties

The owner or agent of a building or premises in or upon which a violation of any provision of the Planning and Zoning Title has been committed or shall exist, or the leasee or tenant of an entire building or entire premise in or upon which violation has been committed or shall exist, or the agent, architect, building contractor or any other person who commits, takes part or assists in any violation or who maintains any building or premises in or upon which such violation shall exist, shall be guilty of a misdemeanor and shall be punished by a fine not to exceed one hundred (100) dollars. Each and every day that such violation continues may constitute a separate offense. Reference Title 9-905.

Please read the following paragraph carefully and sign.

Attach documents specified in the checklist of this application. I hereby certify that all information herein provided is true and accurate. I hereby authorize the inspection of the above premises by authorized agents of the Shepherdstown Planning Commission at any reasonable time to determine compliance with the Commission's approval. I UNDERSTAND THAT MY PRESENCE AT THE ASSIGNED APPLICATION REVIEW MEETING IS REQUIRED. Application must be signed by owner or his/her agent.

Date:	4.25.25	Signature: 9 (Owner) Print Name: Ga	rry Shipley	
For Office	e Use: Number:			
Zoning	Officer Comments:		Fee Paid	
I			Date Paid	



104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application # 25-12

Application Fees

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x	\$300 + \$0.50 per sq ft - New construction of and/or additions to residential, commercial, and industrial structures.
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	\$50.00 - Accessory Buildings \$150.00 - Non-Contributing Structures (< 50 years old)
	\$500.00 - Contributing Structures (≥ 50 years old)



J.L. MOORE

110 College St Proposal

110 College St Lot: 56x100

Single family dwelling: 2259 finished sq ft (4 bed/3bath)

- One story: First floor finished (1302sq ft)

- Basement: Finished (957sq ft) Unfinished (345sq ft)

- Concrete foundation

- Structure to be framed 2x6 with wood sheeting

- Roof system truss

- Architectural shingles

- Hardie board: neutral color ie. Tan

Gross and net land area of property

House 31x42:

1302sq ft

Porch 6x24:

144sq ft

- Driveway 12x30: 360sq ft

=1806 sq ft of impervious surface (68% green space)

Set Backs:

- Front: 12 ft from College St

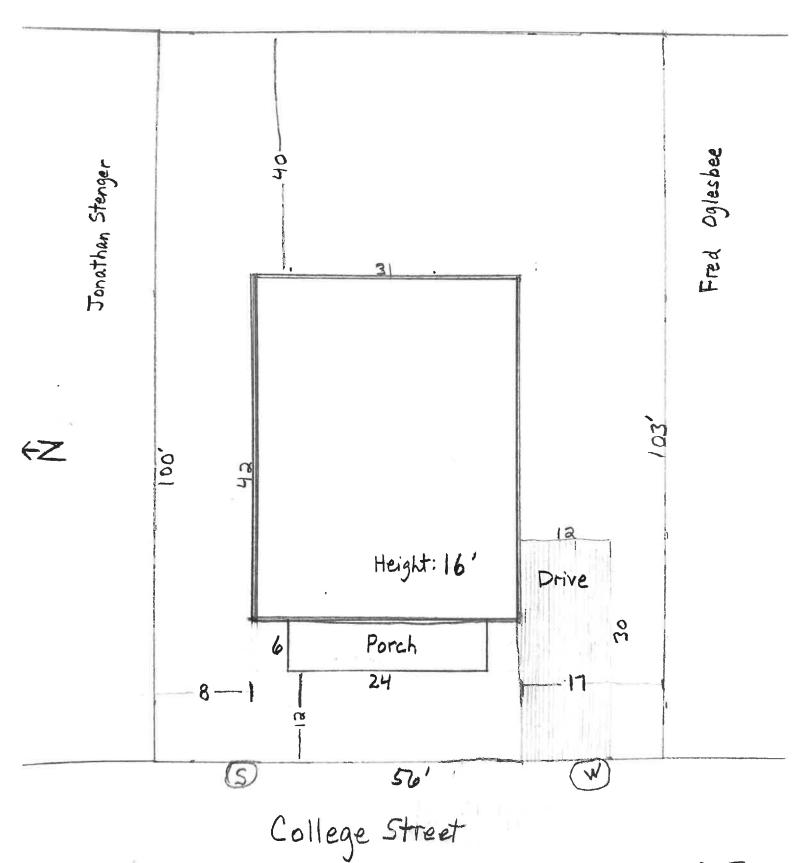
- Back: 40 ft from back property line

- Left (Stenger): 8ft

- Right (Oglesbee): 17ft

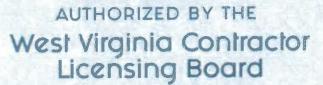
Total height of house:

- 16ft



364 PG 4-29-2025

CONTRACTOR LICENSE WEST VIRGINIA



NUMBER:

BOARD

POR LICENSING

WV000218

CLASSIFICATION:

ELECTRICAL GENERAL BUILDING HEATING, VENTILATING & COOLING MULTIFAMILY PLUMBING RESIDENTIAL SPECIALTY

> J L MOORE INC DBA J L MOORE INC PO BOX 1355 SHEPHERDSTOWN, WV 25443

DATE ISSUED

EXPIRATION DATE

AUGUST 02, 2024

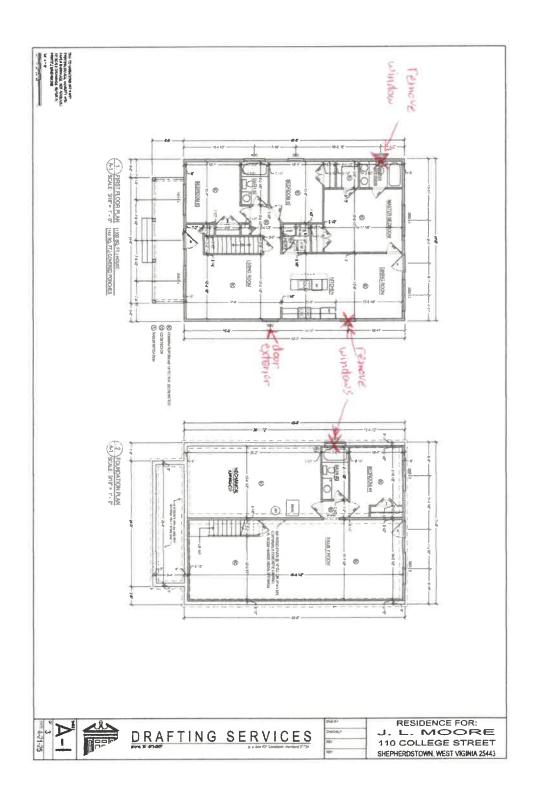
AUGUST 02, 2025

Authorized Signature

Chair, West Virginia Contractor Licensing Board



A copy of this license must be readily available for inspection by the Board on every job site where contracting work is being performed. This license number must appear in all advertisements, on all bid submissions, and on all fully executed and binding contracts. This license is non-transferable. This license is being issued under the provisions of West Virginia Code, Chapter 30, Article 42.



DUE TO VARIATIONS WITH ANY PRINTING DEAVEL, HAMBSTY AND PAYERS BHROWAGE, NOT ANYBARLE TO BCALE DRAWNINGS, REFER TO PRINTED DIMENSIONS

3. GRADES SHOWN ARE APPROXIMATE ONLY. HELD VERIFY CONDITIONS, ELEVATIONS & PROPERTY LINES AND SETBACKS PRIOR TO ANY 2, CONTRACTOR SHALL BE RESPONSIBLE TO TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION OF ANY WORK, 1, CONTRACTOR SHALL BE RESPONSIBLE TO MEET ALL STATE AND LOCAL CODES REQUIRED.

OTHERWISE S, COORDINATE FINAL KITCHEN LAYOUT WITH OWNER PRIOR TO ANY TYPE OF CONSTRUCTION A. INSTALL (3) 2 × 10 WOOD HEADER WITH 7/16°OSB SHEATHING ABOVE ALL EXTERIOR WINDOW AND DOOR OPENINGS URLESS NOTED

8, OWNER SHALL BE RESPONSIBLE TO SELECT ALL FINAL COLORS AND FINISHES, TO ALL ATTIC SPACES. . INSTALL EXTERIOR AIR INFILITIATION BARRIER HOUSE WRAP) ON ALL EXTERIOR WALLS AS PROVIDE ACCESS PANEL/DOOR WITH FRAME

9, CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ANY ADDITIONAL FRAMFING, BEAMS, POSTS AND HEADERS NOT SHOWN FOR A STRUCTURAL SOUND BUILDING AS REQUIRED.

GENERAL NOTES

11. TRUSS MANUFACTURER SHALL SUPPLY ALL TRUSSES FOR A COMPLETE ROOF STRUCTURE, PROVIDE GIRDER TRUSSES, OFFSET VALUTS, AND SCISSORS TRUSSES AS REQUIRED. 10. ALL PRE-ENGINEERED WOOD TRUSSES AND LYA'S SHALL BE CERTIFIED BY THE NAVUE ACTURER BY A REGISTERED ENGINEER IN THE STATE OF WEST VIRIGINA.

12. CONTRACTOR SHALL PROVIDE ALL REQUIRED FLASHRYGS, CAULKS, SEALANTS, WEEP HOLES AND EXPANSION JOINTS FOR A WAITER TIGHT STRUCTURE.

13. EVERY EFFORT HAS BEEN MADE TO SATISFY THE CURRENT BC CODES AND JEFFERSON COUNTY WAY AMENODED BILLIUNG CODES, YOU MAY BE RESPONSIBLE TO MAVE REVISIONS AS REQUIRED TO ACQUIRELY SATISFY YOUR LOCAL BUILDING CODES AS YELL AS ANY CONETWAT RESTRICTIONS ON YOUR PROPERTY. 14. PROVINCE FLOOR AT GRADE AND AROUND ALL AREAWAYS.

IS, SZE, LOCATION, AND CHANTITY OF DOORS, WHODONS AND VENTS IN EASEMENT AND CHANN. SPACES ARE TO BE DETERMINED ON JOSSITE TO ACCOMMODATE PRE-EXISTING CONDITIONS SUCH AS ROCK AND TO ALLOW FOR RAPORE UTILITY PLACEMENT. LINLESS NOTED OTNETWINEE.

IR, ELEVATIONS SHOW GENERIO DOOR DESIGNS, MYNDOW GRID LAYOURS, ETC. SCALE FOR YOUR PLANS MAY NOT ALLOW FOR DETAL, OR ALL TIEMS SUCH AS; PORCH POSTS, SPNUXES, BRICK PATTENS, SHUTTER STYLES, ETC. CHMER IS RESPONSELE TO SPECIFY ALL ITEMS WITH CONTRACTOR / BULDER. 17, MIN CONCRETE COMPRESSIVE STRENGTH IS 2500 FOR FOOTINGS, POURED FOUNDATION WALLS AND SLABS MIN COMPRESSIVE STRENGTH

19. THE ASSUMED UNDISTURBED SOIL COMPACTION RATING 3500 AND FOOTINGS WILL BE A MINUMUM OF 16"A6". OF TRUSSES, FLOOR JOISTS AND LYL'S. 18. REFER TO TRUSSAVAJOIST SUPPLIERS
DRAWINGS FOR LAYOUTS, SPACING AND SIZING

20. WILL PREVENT DAMAGE TO STREET, REMOVE ANY MUDISOIL DALLY. INSPECT EAS STRUCTURES WEEKLEY AND AFTER MY RAWFALL. 23. WINDOW SIZES SHOWN ARE USING SIMONTION WINDOW NOMENCLATURE, OWNER/CONTRACTOR TO SUPPLY SPEC SHEETS WITH U-VALUES AND REQUIRED EGRESS OPENINGS ARE MET. 22, PROVIDE #4 REBAR @ 32" O.C. IN FOUNDATION WALL WHERE BACKFILL EXCEEDS 6"-0" OF 8"-0" WALL FINAL GRADE 21. PROVIDE R-10 SLAB INSULATION IN AREAS WHERE ELEVATION IS LESS THAN 12" BELOW

中 A HOUSE SECTION
A3 SCALE: 3/16" = 1'- 0" PRE-ENGINEERED WOOD ROOF TRUSSES @ 24" O.C.
WITH ALL RECURRED BRACKS JOISTE HOUGHG

JOISTE BRUICHG

JOYT TAG PLY CONTINUOUS RIDGE VENT 28 P.T. SILL PLATE-W/ 1/Z ANCHOR BOLTS @ 32" O.C. FREERGLASS ARCHITECTURAL
GRADE SHINGLES
7/16" OSB SHEATHING \$ 5ROOF FELT 100 ALJANNAN GUTTER

ALJANNAN GUTTER

F FACKA GOAD WITH ALJANIJA

G FLOCK GOAD WITH ALJANIJA

F FLOCK GOAD

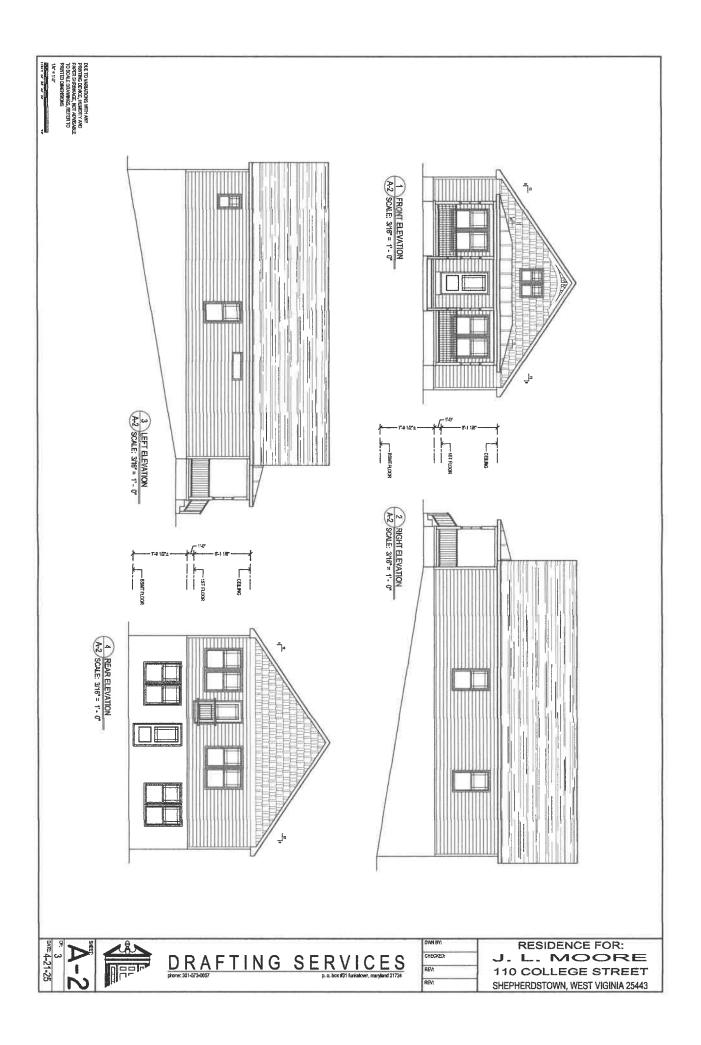
F FLOCK GOAD

AGENTIAG

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RAG IN UNCOMPRESSED
WITH VAPORE LANGER
WISSLATION EAVE EAFFLE
WISSLATION EAVE CUPP AT
EACH LOCATION, FASTER PER
NAWNFACTURER'S SPECS. 2x12 RBJ JOST WETAL ROOF EDGE







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Application for Project Permit

104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application #____25-13

This application is required for projects within the corporate limits of Shepherdstown (both in and out of the Historic District), that involve modifications to structural square footage. Examples include decks, porches, driveways, carports, accessory structures, and new construction of and/or additions to residential, commercial, and industrial structures. A review of the application shall be approved or rejected by the Planning Commission. If approved, the project permit is valid for one year from the date of issuance. Please reference Title 9, Section-902.

Applicant's Name:	Top Her Sola	ar Solutions LLC				
(Must be Property Ov	vner)					
Mailing Address:	1530 Center	Park Drive				
	Charlotte				NC	28217
	C	City			State	Zip
Telephone:	855.997.121	3	Email	wv@toptie	rsolarsolution	s.com
Street Address of Pro	oposed Work:	329 West Germa	n Stree	et, Shepherd	stown WV 254	43
Current Zoning: Note: Reference this	map for zoning	; Classifications.	Curren	t Land Use:	0	
Description of Work	:					
Project Category: _						
(see descriptions on next	page)					
Contractor Performing	ng the Work:	Top Tier Solar So	olutions	LLC		
Contractor's Busines	s License:					
A copy of the contractor's	s Shepherdstown I	business license or licer	nse appli	cation MUST b	e attached.	

Please reference <u>Title 9</u> of Town Ordinance for specifics

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Application for Project Permit

104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application # 25-13

Check all the areas that apply:

Category I-	Minor Projects such as awnings, porch railings, window boxes, satellite dishes, solar panels,
	signs, fences, non-permanent storage sheds and other minor changes.
PHO1	OGRAPHS OR DRAWN ELEVATION VIEWS OF THE PROPOSED WORK SITES (clearly labeled), at
reasonable s	cales, of the parts of the structure to be altered (again, clearly labeled in terms of which side of
the structure	e, etc.) are needed.
MATI	ERIAL AND COLOR SAMPLES for exterior finishes
Category II-	Driveways, decks, carports, porch enclosures and window, roof, or siding replacement.
Category III-	New construction of and/or additions to residential, commercial, and industrial structures.
(Categories I	I and III):
SITE P	<u>LAN</u> is required at common engineering $(1'' = 10')$ or $1'' = 20'$, etc.) or architectural scales $(1/4'' = 1')$
	or $1/8'' = 1'$). Specifically, these drawings shall include: North point, scale, date, property
	boundaries (lot lines), existing trees and/or significant planting (if work will disturb
	surroundings), street & parking lighting.
-	Gross & net land area of property
	Setback from property boundaries
	Existing & proposed topography (only if regrading of the property is required)
	Existing & proposed accessory structures.
	Existing & proposed street right-of-way & entrance
	Sidewalk, handicap access, Category IV only
	RIAL AND COLOR SAMPLES for exterior finishes
ELEVA	TIONS, drawings indicating height of proposed structures, materials, and window and door
	arrangements.
ZONIN	IG INFORMATION shall be defined in the application as required:
	_ Dwelling density- net (residential application only)
	Flood plain designation if any (mapping available in Town Hall)
	Cost estimates and property appraisals for applications seeking exemptions from Chapter 12-
	Floodplain provisions.
Category IV-	Demolitions or Relocation of a Structure:
	ic designation of structures to be demolished (documents available in Town Hall)
	ete description of structure(s) or part(s) of structure(s) to be demolished
At leas	st one (1) structural report by a certified structural engineer. Applies to demontion requests for a
	structures fifty (50) years or older.
All Categorie	<u>s:</u>
Сору	of general contractor's Shepherdstown business license or license application.
	Please reference Title 9 of Town Ordinance for specifics



104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application # 25-13

Remedies and penalties

The owner or agent of a building or premises in or upon which a violation of any provision of the Planning and Zoning Title has been committed or shall exist, or the leasee or tenant of an entire building or entire premise in or upon which violation has been committed or shall exist, or the agent, architect, building contractor or any other person who commits, takes part or assists in any violation or who maintains any building or premises in or upon which such violation shall exist, shall be guilty of a misdemeanor and shall be punished by a fine not to exceed one hundred (100) dollars. Each and every day that such violation continues may constitute a separate offense. Reference Title 9-905.

Please read the following paragraph carefully and sign.

Attach documents specified in the checklist of this application. I hereby certify that all information herein provided is true and accurate. I hereby authorize the inspection of the above premises by authorized agents of the Shepherdstown Planning Commission at any reasonable time to determine compliance with the Commission's approval. I UNDERSTAND THAT MY PRESENCE AT THE ASSIGNED APPLICATION REVIEW MEETING IS REQUIRED. Application must be signed by owner or his/her agent.

Date:	Signature: (Owner) Print Name:	Bryan Law
For Office Use: Permit Number:		
Zoning Officer Comments:		Fee Paid \$ US.00 Date Paid \$14(25



104 N King St PO Box 248 (for mailing) Shepherdstown, WV 25443

Application # 25-13

Application Fees

Please check all boxes that may apply. Reference Section 9-902 of Chapter 8 paragraph XIV for more information. Application fees due upon submittal. Fees should be payable to the Town Treasurer/Clerk and must accompany the application. If work begins without the required permit, double the cost of said permit will be applied.

Category I:

\$50.00 - Minor projects such as murals, awnings, porch railings, window boxes, satellite dishes, solar panels, gutters & downspouts, patios, sidewalks, hardscaping, signs, fences, storage sheds (not attached to the ground) and other minor changes and permit extensions.

Category II:

\$100.00 - Window replacement, roof replacement, siding replacement, porch enclosure, driveways, carports, and decks.

Category III:

\$300 + \$0.50 per sq ft - New construction of and/or additions to residential, commercial, and industrial structures.

\$50 + \$0.10 per sq ft - New construction of garages & other accessory buildings (permanently attached to the ground).

Category IV:

Demolition or Relocation of a Structure: Removal of any building feature(s) or razing of any structure(s) or relocation of a structure to new location. For either project, the applicant must submit the following in writing (in addition to an application):

- Reason for the demolition/relocation (including historic documentation).
- Describe the structure's condition in detail.
- Describe the proposed reuse of the site, including full drawings of new structure & landscaping.
- Evidence of relevant funding or financial concerns.
- Timeframe for project

\$50.00 - Accessory Buildings

\$150.00 - Non-Contributing Structures (< 50 years old)

\$500.00 - Contributing Structures (≥ 50 years old)

Top Tier Solar Solutions
Contractor Address: 1530 Center Park Dr #2911, Charlotte, NC 28217

April 26, 2025

Subject:

Proposed Solar Panel Installation

Cheryl Roberts Residence, 329 W German St , Shepherdstown, WV

DC System Size: 4.050 kW PV Letters Job #004-22102

To Whom it May Concern,

We have reviewed information, provided by our client, related to the proposed solar panel installation at the above-referenced address. The purpose of the review was to determine if the existing roof is structurally adequate for the proposed installation. Based on our review and analysis of the given information, and in accordance with governing building codes, I certify that the capacity of the structural roof framing that directly supports the additional gravity loading due to the solar panel supports and modules had been reviewed and determined to meet or exceed the requirements in accordance with the Design Criteria.

Design Parameter Summary

Governing Building Code: 2018 International Residential Code (2018 IRC)

Risk Category: II Wind Exposure: C

Design Wind Speed: 115 mph Ground Snow Load: 68 psf

Roof Information

Roof Structure: 2x4 Manufactured Trusses @ 24" O.C. (assumed)

Roofing Material: Asphalt Shingles (1 layer)

Roof Slope: 26 degrees

Roof Connection Details

Framing Mount Wood Screws: (2) #14 Self-Drilling Screw with a minimum penetration depth of 1.75" into roof truss top chord only, at 72" O.C. max

Engineering Analysis

The proposed installation - including weight of panels, racking, mounts, and inverters where applicable - will be approximately 3 psf. In the areas where panels are installed, roof live loads will not be present. The reduction of roof live load is adequate to fully or partially compensate for the addition of the panel installation. Because the member forces in the area of the solar panels are not increased by more than 5%, and so per provisions in the adopted building codes, the structure need not be altered for gravity loading.

The proposed installation will be 6" max. above the roof surface (flush mounted) and parallel to the roof surface. Therefore, any increase in wind loading on the building structure from the solar panel installation is expected to be negligible. Wind is the governing lateral load case. Because the increase in lateral loading is not increased by more than 10%, per provisions in the adopted building codes, the structure need not be altered for lateral loading.

Wind uplift on the panels has been calculated in accordance with the relevant provisions of ASCE 7-16. This loading has been used to verify the adequacy of the connection specified above. Connection locations should be in accordance with design drawings.

IronRidge XR10 rails will support the modules and will fasten to the roof structure with IronRidge QuickMount Halo Ultragrip along the rail.

Conclusion

The roof structure need not be altered for either gravity loading (including snow) or lateral loading (including wind). Therefore, the existing structure is permitted to remain unaltered. Connections to the roof must be made per the "Roof Connection Details" section above. Copies of all relevant calculations are enclosed.

Limitations and Disclaimers

Electrical design is excluded from this analysis. Waterproofing is the sole responsibility of the installer and is also excluded from this analysis. Solar panels must be installed per manufacturer specifications. Structural design and analysis of the adequacy of solar panels, racks, mounts, and other components is performed by each component's respective manufacturer; the undersigned makes no statement of opinion regarding such components. This letter and the opinions expressed herein are rendered solely for the benefit of the permitting authority (city or county building department) and your office, and may not be utilized or relied on by any other party.

If you have any questions or concerns, please contact us at (208)-994-1680, or by email at Projects@pvletters.com.

Sincerely,

Trevor A. Jones, P.E. 4/26/2025



Standard Loading Comparison

% of original

Result:

This calculation justifies the additional solar load by comparing existing to proposed gravity loads in the location of the solar panels.

	Without Solar	With Solar	
Dead Load			
Asphalt Shingles	3	3	psf
1/4" Plywood	1	1	psf
Framing	4	4	psf
Insulation	1	1	psf
1/2" Gypsum Ceiling	2	2	psf
M,E, & Misc	1.5	1.5	psf
Solar Panel	0	3	psf
Total Dead Load	12.5	15.5	psf
Snow Load			
Ground Snow Load, Pg	68	3	psf
Exposure Factor, C _e	1.0	00	
Thermal Factor, C _t	1.	1	
Importance Factor, I _s	1		
Flat Roof Snow Load	51	2	ASCE 7 Eqn. 7.3-1 or jurisdiction min.
Slope	20	5	degrees
Unobstructed Slippery Surface?	No	Yes	
Slope Factor, C _s	1.00	0.73	
Sloped Roof Snow Load	52.4	38.4	psf
Live Load			_
Roof Live Load	20	0	psf
Load Combination			
D + Lr	32.5	15.5	psf
D + S	64.9	53.9	psf
Max. Load	64.9	53.9	psf
0/ 0 1 1 1		02 070/	

Because the total forces are decreased, per the relevant code provisions stated in the body of the letter, the existing roof structure is permitted to remain unaltered.

83.07%



Wood Screw Calculation (per ASCE 7-16)

This calculation justifies the connection of the solar panels to existing roof members, by showing the connection capacity is equal to or greater than the uplift force demands.

Zones:

Connection Demand

Spacing perpendicular to rail, in Roof Angle, degrees
Roof Layout
Wind Speed, mph
Exposure Coefficient, K_z
Topographic Factor, K_{zt}
Directionality Factor, K_d
Elevation Factor, K_e

34	
26	
Gable	
115	
0.85	(Table 26.10-1)
1.00	(Table 26.8.1)
0.85	(Table 26.6-1)
0.98	(Table 26.9-1)
24.0	(Table26.10-1)

Spacing parallel to rail, in
GC _p (max)(Figure 29.4-7)
Exposed Panels? ($\gamma_E = 1.5$) (Fig. 29.4-7)

Velocity Pressure q_z, psf

Effective Wind Area on each con., ft²

Pressure Equalization Factor, γ_a (Figure 29.4-8)

Uplift Force, psf (Equation 29.4-7)

Max. Uplift Force / Connection (0.6 WL), lbs

Solar Dead Load (0.6 DL). Lbs

Max. Uplift Force (0.6 WL - 0.6 DL), lbs

<u>1</u>	2n, 2r, 2e	<u>3r, 3e</u>
72	72	72
1.50	2.25	2.57
No	No	No
16.9	16.9	16.9
0.71	0.71	0.71
25.6	38.3	43.8
259.8	389.2	445.4
30.5	30.5	30.5
229.3	358.7	414.9

Connection Capacity

Attachment FTG	
Attachment location	
Fastener Type	
Fastener Diameter, in	
Embedment Length, in	
Lumber Species & Grade	
Nominal Withdrawal Capacity W. lbs	

Nominal Withdrawal Capacity W, los

of Screws

Load Duration Factor Cd

Screw Adj. Withdrawal Cap. W', lbs Attachment FTG Strength with Cd, lbs

Max applied load, lbs Max allowable load, lbs

IronRidge QuickMount Halo Ultragri	p
------------------------------------	---

Framing
Wood Screw
0.242
1.75

SPF #2 (Assumed)

SFF #2 (Assult
213
2
1.6
681
1606

415	
681	

Compare Adjusted Withdrawal Capacity to ASD Factored Demand

Zones:	1	2n, 2r, 2e	3r, 3e
	OK	OK	OK

PHOTOVOLTAIC ROOF MOUNT SYSTEM

10 MODULES-ROOF MOUNTED - 4.050 kW DC, 5.700 kW AC 329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443

TOP TIER SOLAR SOLUTIONS

SOLAR SOLUTIONS

贸

1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

DESCRIPTION INITIAL DESIGN

04/25/2025

REVISIONS

PROJECT DATA

OWNER: ADDRESS: PROJECT 329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443 CHERYL ROBERTS

ы -

DESIGNER:

SCOPE: 4.050 kW DC ROOF MOUNT SOLAR PV SYSTEM WITH

10 JA SOLAR: JAM54S31-405/MR 405/W PV MODULES WITH 10 SOLAREDGE: S440 POWER OPTIMIZERS AND 01 SOLAREDGE: SE5700H-US (240V/5700W)

7.

ZONING: . BUILDING: JEFFERSON COUNTY ZONING: JEFFERSON COUNTY AUTHORITIES HAVING JURISDICTION: POTOMACEDISON

SHEET INDEX

PV-6 PV-6 PV-6 PV-6 STRUCTURAL DETAIL
ELECTRICAL LINE DIAGRAM ROOF PLAN & MODULES ELECTRICAL PLAN SITE PLAN WIRING CALCULATIONS COVER SHEET

EQUIPMENT SPECIFICATIONS

SIGNATURE

GENERAL NOTES

- ALL COMPONENTS ARE ULLISTED AND CEC CERTIFIED, WHERE WARRANTED
- THE SOLAR PV SYSTEM WILL BE INSTALLED IN ACCORDANCE WITH ARTICLE 690 OF THE NEC 2020
- THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED AND PV SYSTEM INSPECTED PRIOR TO PARALLEL
- ALL CONDUCTORS OF A CIRCUIT, INCLUDING THE EGC, MUST BE INSTALLED IN THE SAME RACEWAY, OR CABLE, OR OTHERWISE RUN WITH THE PV ARRAY CIRCUIT CONDUCTORS WHEN THEY LEAVE THE VICINITY OF THE PV ARRAY.
- WHERE METALLIC CONDUIT CONTAINING DC CONDUCTORS IS USED INSIDE THE BUILDING, IT SHALL BE IDENTIFIED AS "CAUTION; SOLAR CIRCUIT" EVERY 10FT.
- HEIGHT OF THE AC DISCONNECT SHALL NOT EXCEED 61-7" PER NEC CODE 240.24.
- A GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH NEC 2020 889.47 AND 250.50 THROUGH 80 AND 250-186 SHALL BE PROVIDED. PER NEC GROUNDING ELECTRODE SYSTEM OF EXISTING BULLDING MAY BE USED AND BONDED TO THE SERVICE ENTRANCE. IF EXISTING SYSTEM SINCESSBIBL OR INADEQUATE A SUPPLEMENTAL GROUNDING ELECTRODE WILL BE USED AT THE INVERTIER LOCATION CONSISTING OF A UL LISTED 8 FT. GROUND ROD WITH ACORN CLAMP. GROUNDING ELECTRODE GROUNDING ELECTRODE TO PROVIDE FOR A COMPLETE SYSTEM. ARGER THAN #6 AWG COPPER AND BONDED TO THE EXISTING
- PHOTOVOLTAIC MODULES ARE TO BE CONSIDERED NON-COMBUSTIBLE.
- 9 PHOTOVOLTAIC INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING. MECHANICAL, OR BUILDING ROOF VENTS.
- ALL WIRING MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL MEANS DESIGNED AND LISTED FOR SUCH USE. WIRING MUST BE PERMANENTLY AND COMPLETELY HELD OFF THE ROOF SURFACE.
- ALL SINAGE TO BE PLACED IN ACCORDANCE WITH THE LOCAL BUILDING CODE, IF EXPOSED TO SUNLIGHT, IT SHALL BE UV RESISTANT, ALL PLAQUES AND SINAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND AHJ.
- INVERTER(S) USED IN UNGROUNDED SYSTEM SHALL BE UL 1741 LISTED
- THE INSTALLATION OF EQUIPMENT AND ALL ASSOCIATED WIRING AND INTERCONNECTION SHALL BE PERFORMED ONLY BY QUALIFIED PERSONS [NEC 690.4(C)]
- ALL OUTDOOR EQUIPMENT SHALL BE NEMA 3R RATED (OR BETTER), INCLUDING ALL ROOF MOUNTED TRANSITION BOXES AND SWITCHES.
- ALL EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED IN ACCORDANCE WITH NEC ARTICLE 250
- SYSTEM GROUNDING SHALL BE IN ACCORDANCE WITH NEC 690,41
- PV SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION IN ACCORDANCE WITH NEC 890,12
- DISCONNECTING MEANS SHALL BE LOCATED IN A VISIBLE, READILY ACCESSIBLE LOCATION WITHIN THE PV SYSTEM EQUIPMENT OR A MAXIMUM OF 10 FEET AWAY FROM THE SYSTEM [NEC 690,13(A)]
- ALL WIRING METHODS SHALL BE IN ACCORDANCE WITH NEC 690.3:
- 20. WORK CLEARANCES AROUND ELECTRICAL EQUIPMENT WILL BE MAINTAINED PER NEC 110.26(A)(1), 110.26(A)(2) AND 110.26(A)(3)
- ROOFTOP MOUNTED PHOTOVOLTAIC PANELS AND MODULES SHALL BE TESTED, LISTED & IDENTIFIED IN ACCORDANCE WITH
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT EXPANSION JOINTS AND ANCHOR CONDUIT RUNS AS REQUIRED PER NEC.



HOUSE PHOTO

STRUCTURAL ONLY

4-25-2025

PROJECT NAME & ADDRESS

WINDS THE STATE OF THE STATE OF

ACOUSTER OF



CHERYL ROBERTS RESIDENCE

329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443

SHEET NAME DRAWN BY ESR

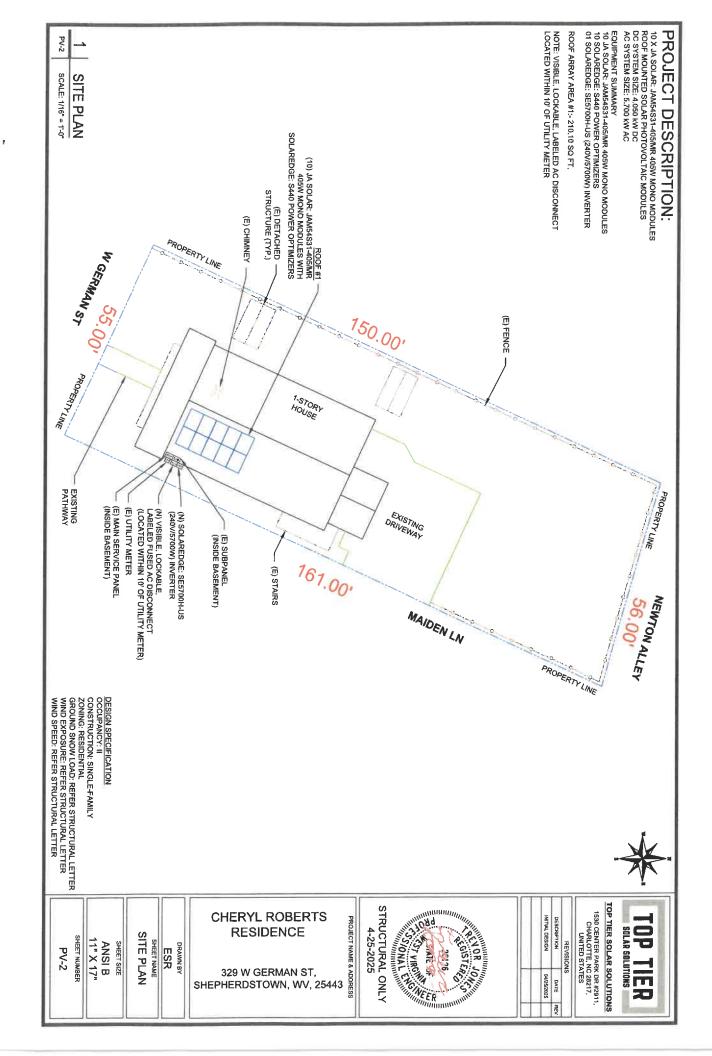
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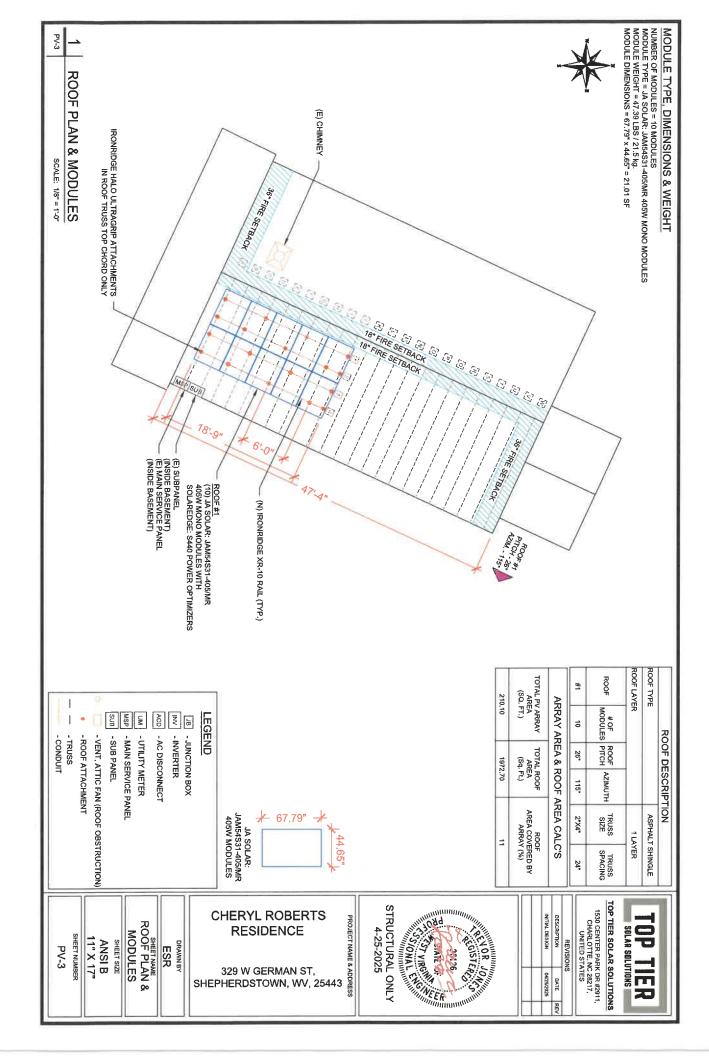
COVER SHEET

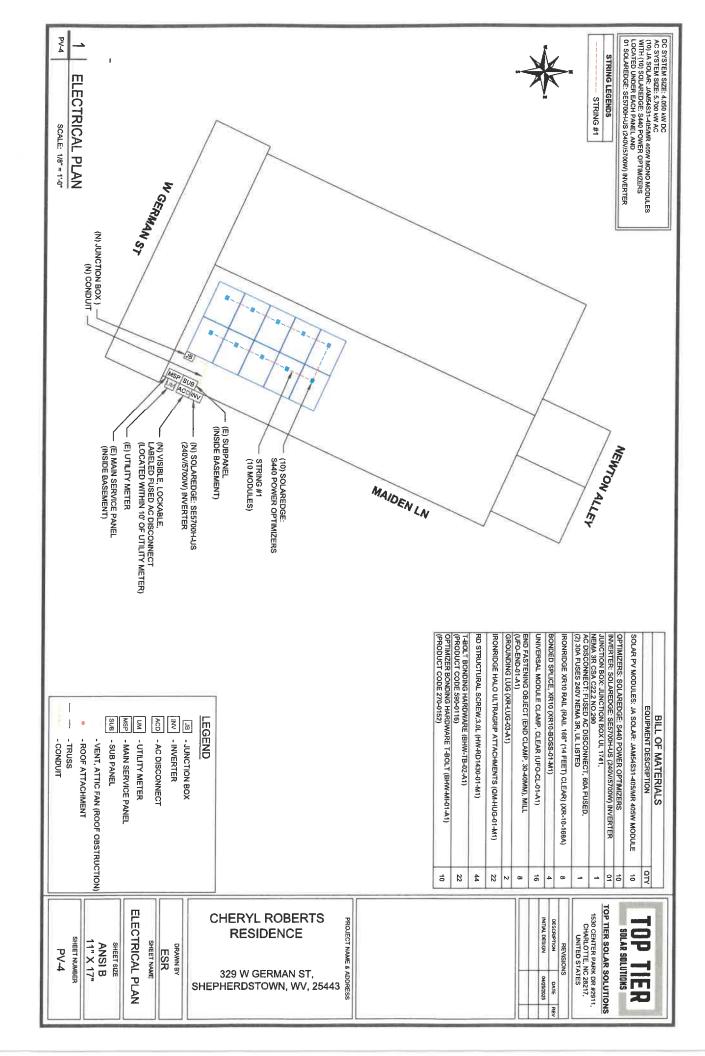
2018 INTERNATIONAL BUILDING CODE 2018 INTERNATIONAL RESIDENTIAL CODE 2018 INTERNATIONAL FIRE CODE 2020 NATIONAL ELECTRICAL CODE

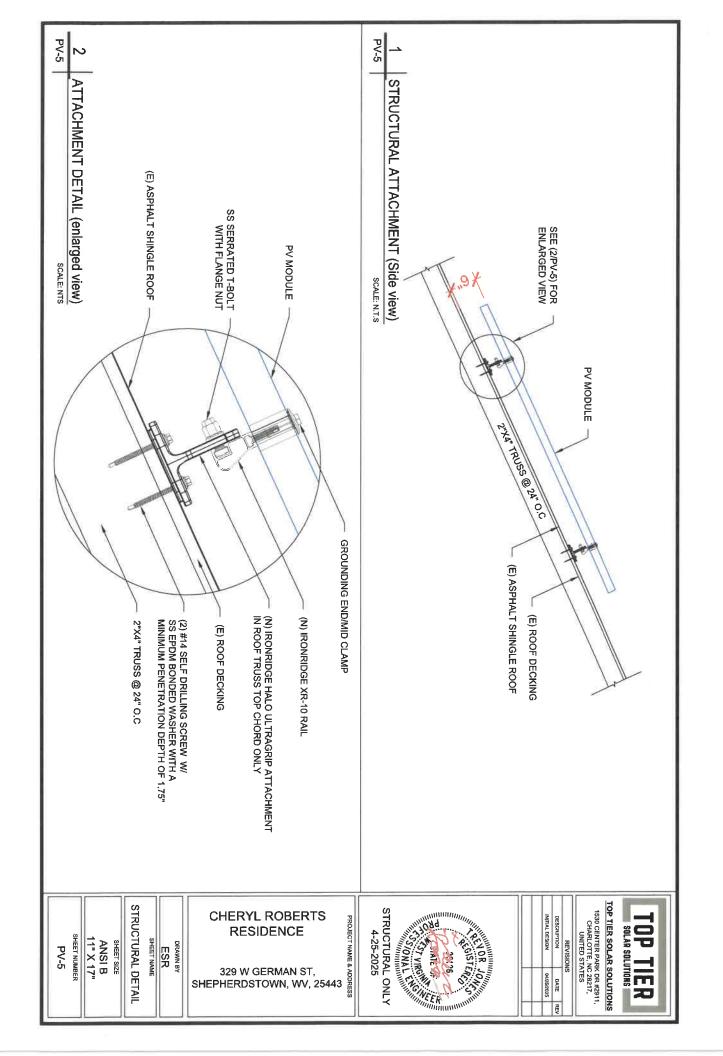
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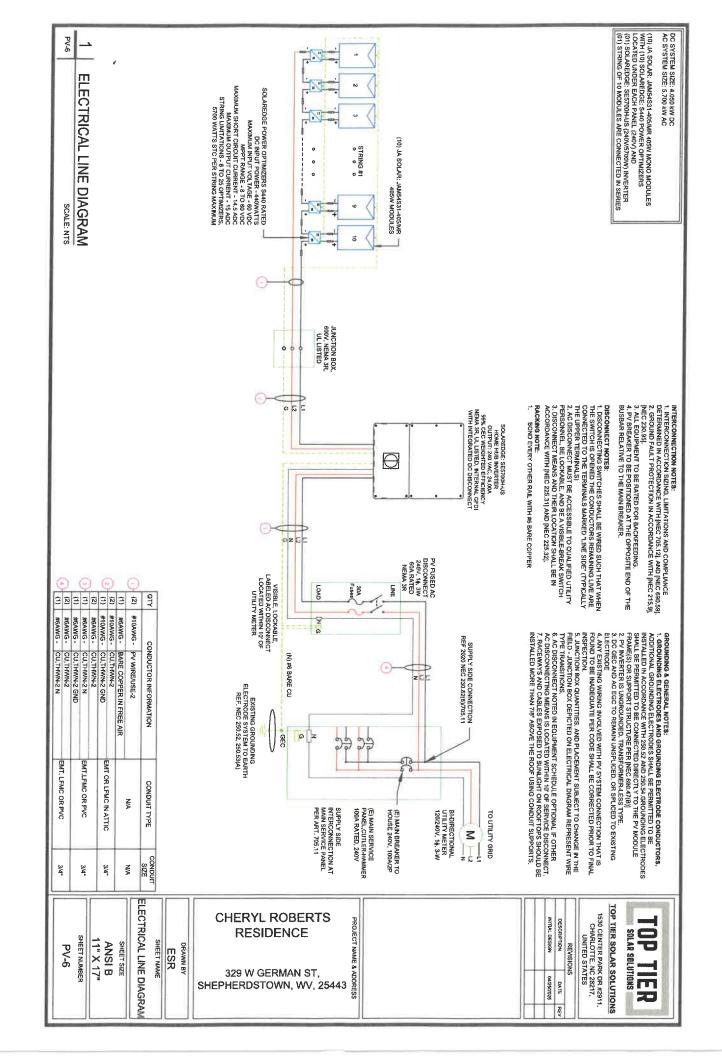
PV-1











1. ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS APPLICATION. 2. ALL CONDUCTORS SHALL BE RATED UPTO 600V FOR RESIDENTIAL AND 1000V FOR COMMERCIAL AND 90 DEGREE WET ENVIRONMENT. 3. WIRING, CONDUIT, AND RACEWAYS MOUNTED ON ROOFTOPS SHALL BE ROUTED DIRECTLY TO, AND LOCATED AS CLOSE AS POSSIBLE TO THE NEAREST RIDGE, HIP, OR VALLEY. 4. WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110 DRAWINGS INDICATE THE GENERAL ARRANGEMENT OF SYSTEMS, CONTRACTOR SHALL FURNISH ALL NECESSARY OUTLETS, SUPPORTS, HITTINGS AND ACCESSORIES TO FULFILL APPLICABLE CODES AND STANDARDS. 6. WHERE SIZES OF JUNCTION BOX, RACEWAYS, AND CONDUITS ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY. 7. ALL WIRRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE. 8. MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL. FOR THE GROUNDING CLIP MANUFACTURERS INSTRUCTION. 9. MODULE SUPPORT RAIL TO BE BONDED TO CONTINUOUS COPPER G.E.C. VIA WEEB LUG OR ILSCO GBL-4DBT LAYLUG. 10. TEMPERATURE RATINGS OF ALL CONDUCTORS, TERMINATIONS, BREAKERS, OR OTHER DEVICES ASSOCIATED WITHE SOLAR PV SYSTEM SHALL BE RATED FOR AT LEAST 75 DEGREE C.	5	OCPD SIZE (A)	CRCUIT ORIGIN CRCUIT VOLTAGE RILL LOAD FLA*1.25 OCPD GROUN (A) SIZE (A) GROUN STRING LUNCTION BOX SWO 15.00 18.75 20 CU #10 CU #10	SOLAR MODULE SPECIFICATIONS
ALL EQUIPMENT TO BE LISTED BY UL OR OTHER NRTL, AND LABELED FOR ITS APPLICATION. ALL CONDUCTORS SHALL BE RATED UPTO 600V FOR RESIDENTIAL AND 1000V FOR COMMERCIAL AND 90 DEGREE C WET ENVIRONMENT. ALL CONDUCT, AND RACEWAYS MOUNTED ON ROOFTOPS SHALL BE ROUTED DIRECTLY TO, AND LOCATED AS CLOSE AS POSSIBLE TO THE NEAREST RIDGE, HIP, OR VALLEY. WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110.26. WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC 110.26. UNITER'S, SUPPORT'S, FITTINGS, AND ACCESSORIES TO FULFILL APPLICABLE CODES AND STANDARDS. WHERE SIZES OF JUNCTION BOX, RACEWAYS, AND CONDIT'S ARE NOT SPECIFIED, THE CONTRACTOR SHALL SIZE THEM ACCORDINGLY. MURE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE. ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE. GROUNDING CLIP MANUFACTURER'S INSTRUCTION. TEMPERATURE RATINGS OF ALL CONDUCTORS, TERMINATIONS, BREAKERS, OR OTHER DEVICES ASSOCIATED WITH THE SOLAR PY SYSTEM SHALL BE RATED FOR AT LEAST 75 DEGREE C.	COMMINTE VOLTAGE DROP	ACFEDER CACOLATIONS ***CATTORN STEEL CANDILATION STEEL CANDILATIO	TRYC CONDUCTOR SIZE AMPACTY (A) CUSTOAWG 35	INVERTER SPECIFICATIONS MANUFACTURER / MODEL # SOLAREDGE: SESTONH-US (240V/5700W) NOMINAL AC POWER STON W NOMINAL OUTPUT COLRAGE PERCENT OF UNABER OF CURRENT VALUES CARRYING CONDUCTORS IN EMIT 180 17-9 50 10-20 AMBIENT TEMPERATURE SPECS AMBIENT TEMPERATURE COEFFICIENT OF Voc 4.275%/°C MODULE TEMPERATURE SPECS 47-9 AMBIENT TEMPERATURE SPECS 47-7 AMBIENT TEMPERATURE SPECS MODULE TEMPERATURE COEFFICIENT OF Voc 4.275%/°C MODULE TEMPERATURE COEFFICIENT OF Voc 4.275%/°C MODULE TEMPERATURE SPECS 47-7 MODULE TEMPERATURE COEFFICIENT OF Voc 4.275%/°C MODULE TEMPERATURE COEFFICIENT OF Voc 4.275%/°C MODULE TEMPERATURE SPECS 47-7 MODULE TEMPERATURE COEFFICIENT OF Voc 4.275%/°C MODULE TEMPERATURE SPECS 47-7 MODULE TEMPERATURE COEFFICIENT OF Voc 4.275%/°C MODULE TEMPERATURE COEFFICIENT O
DRAWN BY ESR SHEET NAME SHEET SIZE ANSI B 11" X 17" SHEET NUMBER PV-7	ERYL ROBERTS RESIDENCE 9 W GERMAN ST, ERDSTOWN, WV, 254443	CONDUIT FALL (N) FALL (N) 78.50%		TOP TIER SOLAR SOLUTIONS 1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES 1500 TIER SOLAR SOLUTIONS

PHOTOVOLTAIC POWER SOURCE

EVERY 10' ON CONDUIT & ENCLOSURES

LABEL -1:
LABEL LOCATION:
DCIEMT CONDUIT RACEWAY
SOLADECK / JUNCTION BOX
CODE REF: NEC 690.31 (D)(2)

ELECTRIC SHOCK HAZARD WARNING
 WARNING

LABEL - 2:
LABEL LOCATION:
AC DISCONNECT
CODE REF: NEC 690,13(B) TERMINALS ON THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION

MARNING WARNING

SOURCE: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM DUAL POWER SUPPLY

LABEL - 3:
LABEL LOCATION:
MAIN SERVICE FANIEL
CODE REF: NEC 705.12(C) & NEC 690.59

SOLAR PV BREAKER:

BREAKER IS BACKFED DO NOT RELOCATE

LABEL LOCATION: MAIN SERVICE PANEL CODE REF: NEC 785.12(C) & NEC 690.59

POWER SOURCE OUTPUT OVERCURRENT DEVICE CONNECTION. DO NOT RELOCATE THIS

WARNING

LABEL_OS.
LABEL_OCATION:
MAIN SERVICE PANEL (ONLY IF SOLAR IS BACK-FED)
SUBPANEL (ONLY IF SOLAR IS BACK-FED)
CODE REF: NEC 705.12(B)(3)(2)

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN
SWITCH TO THE
"OFF" POSITION TO
SHUT DOWN PV SYSTEM
AND REDUCE
SHOCK HAZARD
IN THE ARRAY



TOP TIER SOLAR SOLUTIONS

SOLAR SOLUTIONS

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TIER

1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

NITIAL DESIGN

REVISIONS

DATE REV

LABEL LOCATION:
AC DISCONNECT
CODE REF: [NEC 690.56(C)(1)[A)]

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM

LABEL, 7.

LABEL LOCATION;

AC DISCONNECT

MAIN SERVICE PANEL (ONLY IF SOLAR IS BACK-FED)

CODE REF: NEC 680.56(C)(2)

DC DISCONNECT

LABEL - 8: LABEL LOCATION: (NVERTER CODE REF: NEC 690.13(B)

240 V

LABEL - 9: LABEL LOCATION: AC DISCONNECT CODE REF: NEC 690,54

MAXIMUM VOLTAGE

MAXIMUM CIRCUIT CURRENT 30.50 A 480 V

MAXIMUM RATED OUTPUT CURRENT OF THE CHARGE CONTROLLER OR DC-TO-DC CONVERTER (IF INSTALLED)

LABEL. 10; LABEL LOCATION: ON THE RIGHT SIDE OF THE INVERTER (PRE-EXISTING ON THE INVERTER) CODE REF: NEC 690.53

SHEET NUMBER 11" X 17" ANSI B LABELS SHEET NAME

ESR DRAWN BY

SHEET SIZE

PROJECT NAME & ADDRESS

329 W GERMAN ST,

CHERYL ROBERTS RESIDENCE

SHEPHERDSTOWN, WV, 25443





JAM54S31 380-405/MR

TOP TIER SOLAR SOLUTIONS

SOLAR SOLUTIONS

TIP

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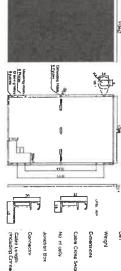
1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

DESCRIPTION INITIAL DESIGN

DATE 04/25/2025

REVISIONS

MECHANICAL DIAGRANS



		-		77		
	0				MCI	
	110s					
7	ď				16	
Junchen Bax	No of cells	Cable Cross Section Size	D-mensions	Weight	Ca)	OF CUTTING HOND

				1966	
F	<u>1</u>	7		8	
No of cells	Gable Cross Section Size	D-mensions	Weight	C _e)	SPECIFICATIONS
106(6×18)	Amm IEC. 12 AWG/UL	1722±2mm×1134±2mm=30±1,nm	21 5kg±3"	Mono	

Peckaging Configuration	Cable Length (Including Connector)
J6pcc/Pallet Bullpoer#Oft Container	Puttukt 30umra+x40ummt+: Londscape 120tmm+x1200mm-;

MC4-EV02(1500V-IP68, 3 diodes

CHANGE CANOMIC LEVEN OF REAL	910					
	JAM54S31 3800MR	JAMSHSC1 385AHR	JAMS/1831	JAMSASJI	JA0154831 -4009AR	JAM64531
Makemen Powen Proces (W)	di.	385	390	1965	401	100
Оксия Уокадинуосу [У]	34 58	36.71	38.86	36 98	27.07	37 23
uni Power vollage(Vmp) [V]	30 29	30.45	10 64	30 84	31 61	3121
Direct Corrent(Isc+ [A]	1344	Ð.S2	13.61	1370	+379	1387
urn Power Current(Impi [A]	12 50	12.64	121.	1281	08 7.	₹ F
efficiency [%]	16.3	197	0.00	202	20.5	70.7
Tolerance			±2%			
rature Coefficient of Isolu_Iso:			+0.045%			
rature Coefficient of Vocifi_Voci			0 275% (
rature Coefficient of Pinaxity Philip)			-0 3502% L			
		trindlande 1000%	troothing 1000Vip	a 25'C AMI EG		
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PROJECT NAME & ADDRESS

		MANAGER	MWW.S31	JANE ST	ES MANA	IAMEASSI JAMSASSI HAMSASSI JAMSASSI JAMSASSI J	IAME S31	
770	OPERATING CONDITION					AT NOCT	ELECTRICAL PARAMETERS AT NOCT	ELECTRO
	A 10 10 10 10 10 10 10 10 10 10 10 10 10							
	son among offersitt in odule haves	newer for company	ofter They only	PICE DATE OF SHE	e Jest then its	u a sinja: nxidi	Remark. Eachteal data on this callabog caused date to a striple office area there are not only of the office Theoretic companison among officers in order by the	Remark Escin

ELECTRICAL PARAMETERS AT NOCT	SATE S	AT NOC	_				OPERATING CONDITIONS	CNOC
TYPE	SECURAL STATES	JAMSAS31	JAMINES 31	JAN/4331	AMSAS31	AMSASS*	Maximim System Vollage	1000V-1500V DC
Rated Max Power(Proax) [W]	200	295	294	Š	ď.	306	Onvegung Temperature	-u0 -+B5;
Open Giroux Voxage(Voc) [V]	54 56	34.49	14 62	34 75	34 80	35.12	Maximum Seliks False Paling	25A
Max Power Volume(Vmp.) [V]	28 51	26.68	28.87	20.00	2526	29 47	Maximum Slabs Load From Meximum Slabs Load Back?	2400Pat50b/th
Short Girouil Current(tsc) [A]	10 75	10.82	8 D	10 ok	11,03	11 10	NOCT	45±2
May Power Currentino (A)	10.03	101.	10 18	.0 25	:0.32	538	Safety Clare	Class
NOCT	Imprihem	:0 800W/m/	ambient Ign	Dorature 20 C	wing speed	Irradianco 800V/m², ambient lemporaturo 20 C wing spept 1 m/s. AN1 5G	Fire Performancy:	OL Type 1

Superior Warranty

25-year product warranty

* IEC 61215, IEC 61730, LIL 61215, UL 61730 ISO 9001: 2015 Quality management systems

Comprehensive Certificates

25-year linear power output warr

CHARACTERISTICS

Gurrent-Voltage Curvo JAM54531-4054MI

ISO 45001: 2018 Occupational health and safety management systems

ISO 14001: 2015 Environmental management systems

IEC TS 62941: 2016 Terresizia photovollnic (PV) mintilles -Guidelines for increased confidence in PV module design outlification and type approval



New time at power warranty . Standard module linear power warranty

2 le

SOLAR









DRAWN BY

SHEET NAME
EQUIPMENT
SPECIFICATION ESR

ANSI B 11" X 17" SHEET SIZE

SHEET NUMBER

PV-9

CHERYL ROBERTS RESIDENCE

329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443



AUTHORIZATION TO MARK

Trils authorizes the application of the Certification Mark(e) shown below to the models described in the Product(e) Covered section when made in accordance with the conditions set forth in the Certification Agreement and Listing Report. This authorization also applies to multiple listee model(e) identified on the correlation page of the Listing Report.

This document is the property of intertex Testing Services and is not transferable. The certification mark(s) may be applied only at the location of the Party Authoritzed To Apply Mark.

Shanghal JA Solar Technology Co., Ltd. Manufacturer: JA SOLAR VIET NAM COMPANY LIMITED.

No. 118, Lene 3111, West Huencheng Road, Fengxian District, 201401 Address:

Lot G. Queng Chau industrial park. Queng Chau Ward, Viet Yen Town, Bac Glang Province, 236110

Same as Manufacturer Intertek Testing Services Shanghai Limited Authorized by:

Control Number: 5020189 Party Authorized To Apply Mark: Report Issuing Office:

P. R. China

Inghal Limited

Tor L. Matthew Snyder/ Certification Manager

Intertek

This document supersedse all previous Authorizations to Mark for the noted Report Number.
This Advance has the select and intervious for a previous Authorization to Mark for the noted Report Number.
This Advance has the select and intervious and the provide provide the condense operated before heads at a little feath feath and the select and the previous and the previous the condense the previous terms of the previous and the

Intertaik Testing Services NA Inc. 545 East Algoriquin Road, Artington Heights, IL 60005 Telephone 800-345-3851 or 647-459-5667 Fax 312-283-1872

Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval - Part 1-1: Spacial Requirements For Testing Of Crystalline Silicon Photovoltaic (PV) Modules (UL 61215-1-1:2017 Ed.1.) Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval - Part 1: Test Requirements [UL 61215-1:2017 Ed.1]

Terrestrial Photovoltaic (PV) Modules - Design Qualification And Type Approval - Part 2: Tast Procedures [UL 61216-2:2017 Ed. 1]

Photovoltaic (PV) Module Safety Qualification 1:2017 Ed.1]

ndard(s):

Photovoltaic (PV) Module Safety Qualification -

Part 2: Requirements For Testing (UL 61730-2:2017 Pert 1: Requirements For Construction [UL 61730-

Photovoltaic (PV) Module Safety Qualification - Pert 1: Requirements for Construction [CSA C22.2#61730-1:2019 Ed.2]

Photovoltaic (PV) Module Safety Qualification - Part 2: Requirements for Testing [CSA C22.2#61730-2:2019 Ed.7]

ATM for Report 190900406SHA-001

ATM issued: 12-Jun-2024 E0 16 3.15 (1-Jul-2023) Mandatory

ATM for Report 190900406SHA-001

Intertek

AUTHORIZATION TO MARK

TOP TIER SOLAR SOLUTIONS

SOLAR SOLUTIONS

TP

展

1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

REVISIONS

INITIAL DESIGN DESCRIPTION

04/25/2025 DATE

Brand Name: JA SOLAR 指演 Product: Crystalline Silicon Photovoltaic modules 560, 563, 570, 576, 580 holiowed by /LR,
AMASSAD-colowed by 415, 420, 425, 430, 435 followed by /LR,
AMASSAD-colowed by 415, 420, 425 followed by /LR,
AMASSAS -followed by 415, 420 followed by /LR,
AMASSAS -followed by 365, 390, 395, 400, 405, 411 holiowed by /MB,
AMASSAS -followed by 365, 390, 395, 400, 405 followed by /MB,
AMASSAS -followed by 410, 415, 420, 425 followed by /LB,
AMASSAS -followed by 410, 415, 420, 425 followed by /LB,
AMASSAS -followed by 410, 415, 420, 425 followed by /MB,
AMASSAS -followed by 555, 530, 536, 540 followed by /MB. JAM72S10- followed by 395, 400, 405, 410 or 415 followed by /MB.
JAM60S10: followed by 330, 335, 340 or 345 followed by /MB.
JAM72S10- followed by 330, 335, 340 or 345 followed by /MB.
JAM72S10: followed by 385, 385, 370, 375 or 380 followed by /MR.
JAM6SS10- followed by 385, 385, 370, 375 or 380 followed by /MR.
JAM72S09- followed by 380, 385, 340 or 345 followed by /MR.
JAM72S09- followed by 310, 315, 380, 385, 380, 385 or 400 followed by /PR.
JAM72S09- followed by 310, 315, 320 or 325 followed by /PR.
JAM72S09- followed by 310, 315, 320 or 325 followed by /PR.
JAM7S09- followed by 310, 315 or 320 followed by /PR. JAMP2520- followed by 330, 335, 440, 445, 450, 455, 461, 465 or 470 followed by AMR, JAMP2520- followed by 363, 533, 440, 445, 450, 455, 461, 465 or 470 followed by AMR, JAMP2520- followed by 363, 563, 565, 371, 375, 360, 385 or 380 followed by AMR, JAMP2530- followed by 580, 583, 545, 545 or 555 followed by AMR, JAMP2530- followed by 490, 450, 650 followed by AMR, JAMPS530- followed by 490, 450, 650 followed by AMR, JAMPS530- followed by 490, 450 or 555 followed by AMR, JAMPS531- followed by 585, 450 or 555 followed by AMR, JAMPS531- followed by 585, 450 or 555 followed by AMR, JAMPS531- followed by 585, 450 or 555 followed by AMR, JAMPS531- followed by 585, 450 or 555 followed by AMR, JAMPS531- followed by 585, 450 or 555 followed by AMR, JAMPS531- followed by 585, 450 or 555 followed by 585, 450 or 555 followed by AMR, JAMPS531- followed by 585, 450 or 555 followed by AMR, JAMPS531- followed by 585, 450 or 555 followed by 585, 450 or 555 followed by AMR, JAMPS531- followed by 585, 450 or 555 followed by AMR, JAMPS531- followed by 585, 450 or 555 followed by 585 followed by 585, 450 or 555 followed by 585 followed by 585, 450 or 555 followed by 585 followed by 585, 450 or 555 followed by 585 follo wed by 365, 350 or 365 fellowed by /FR (B),
wed by 365, 350 or 365 fellowed by /FR (B),
wed by 365, 360 or 365 fellowed by /FR (B),
wed by 365, 400, 405, 410 or 416 fellowed by /FR (B),
wed by 365, 400, 405, 410 or 416 fellowed by /FR (B),
wed by 365, 400, 405, 410 or 416 fellowed by /GR,
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web by 360, wad by 365, 330, 335 or 400 fallowed by /BP, wad by 363, 335, 335 or 330 followed by /BP, wad by 320, 325, 330, 338, 400 or 405 followed by /PR, wad by 320, 325, 330 or 335 fallowed by /PR, wad by 325, 370, 375, 380 or 335 fallowed by /PR, wad by 365, 370, 375, 380 or 385 fallowed by /PR, wad by 435, 440, 445, 450 or 455 followed by /RR,

PROJECT NAME & ADDRESS

ATM Issued; 12-Jun-2024 60 16.1.15 || -N-2022| Mendesory

Page 12 of 16

CHERYL ROBERTS RESIDENCE

329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443

DRAWN BY ESR

SPECIFICATION SHEET NAME EQUIPMENT

SHEET SIZE

ANSI B 11" X 17" SHEET NUMBER

PV-10

\$440 / \$500B / \$650B For North America Residential Power Optimizer





Oven of age Category

Madinum Input Current Madinum Isco Cornected PV Modulet

paintum Input Short Copul Current

Absolute Maximum Input Voltage (Vol.) Rated Injust DC Puwer

8-80

5 8

POWER OPTIMIZER

Photowiteic Rapid Shusdown System EMC

CSA C22 2#107 1 KC 62109-1101ass 8 Safety, UL 1741

VDE-AR-E 2100-712 2012-05 LT ON A-O TA Beristaut CSA C22 (W330 NEC 3014 -

Vα

STANDARD COMPLIANCE

OUTPUT DURING STANDBY (POWER OPTIMIZER DISCONNECTED FROM SOLAREDGE INVERTER OR INVERTER OFF)

OUTPUT DURING OPERATION (POWER OPTIMIZER CONNECTED TO OPERATING SOLAREDGE INVERTER)

986

Dimensions (N x L x H)

130 × 156 × 20 / 5 07 × 6 x0 × 118

P21,1062

91/10 מול מזית 7

PROJECT NAME & ADDRESS

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MC4

INSTALLATION SPECIFICATIONS

Output Wire Length Operating Temperature Range Protection Raing Region Hardon 2 (4 all relay of the power Manack Last Igold Chama, Northern will up to the point Decision and Africa. Filt of the 2 dies module 2 (4) all relay of the power Manack Last Igold Chama, Northern will up to the power Decision and Africa Chamada (4) and the Chamada (4) and t (-) 23 (-) 0 10 / (-) 754 (-) 022 -40 to +87 PER/ASP MCA

PV power optimization at the module level

Specifically designed to work with SolarEdge

Faster installations with simplified wire management and easy assembly using a single

Detects abnormal PV connector behavior,

preventing potential safety issues

Module-level voltage shutdown for installer and

Mitigates all types of module mismatch loss,

from manufacturing tolerance to partial shading

Superior efficiency (99.5%)

Meets NEC requirements for arc fault protection (AFCI) and Photovoltaic Rapid Shutdown System

Compatible with bifacial PV modules

Flexible system design for maximum space

FV System Design trang - Total documenter	iolafdor Invener	Solal tige Forme Wave Fruit	Duce Phase list	frage Priose for	
Mannam String Length (Power	9440	-12	N.	8	
Opproviews	86592 80053	7	20	E	
Manmum String Length (Power Optionizers)	SECTION SECTIO	2.4		59.	
Maximum Usable Power Delivered per String	d per String	5700	6000	12,750	*
	AC FOWER > 5700W	Per the inverted property in input			
Maximum Allowed Connected Prover per String "	AC Power of 6000M	5700	One strug, 7210 Two strings or more, 7800	15,000	W
	AC Power a 7600W	6800, only when connected to at least two strings			

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solaredge

solaredge.com





TOP TIER SOLAR SOLUTIONS

Residential Power Optimizer

For North America S440 / S500B / S650B

1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

REVISIONS	S	
DESCRIPTION	DATE	REV
INITIAL DESIGN	04/25/2025	П
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DESCRIPTION DATE REV
INITIAL DESIGN 04/25/2025

CHERYL ROBERTS RESIDENCE

329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443

DRAWN BY

SHEET NAME EQUIPMENT ESR

SPECIFICATION

11" X 17" ANSI B SHEET SIZE

SHEET NUMBER

PV-11

SHEET NUMBER

8

PV-12

11" X 17" ANSI B

SPECIFICATION SHEET SIZE

SHEET NAME EQUIPMENT ESR

DRAWN BY

SHEPHERDSTOWN, WV, 25443

AC.1-4. Output Voltage Range in Stand-alone Operation
AC.1-N Output Voltage Range in Stand-alone Operation
AC frequency Bange in Stand-alone (min - mon - max)
Majorium Continuous Output Current in Stand-alone Operation

11,400* 11,400 211 - 264 105 - 132 55 - 60 - 65

> H₂ V₂ × ×

1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES INITIAL DESIGN DESCRIPTION REVISIONS 04/25/2025 DATE

SOLAR SOLUTIONS **TIER**

TOP TIER SOLAR SOLUTIONS

600kO Sensitivity 15,200 20,000 53 99 @ 240V 98 5 @ 208V 22,800 20,000 60 53 **CHERYL ROBERTS RESIDENCE**

A H & € 329 W GERMAN ST.

PROJECT NAME & ADDRESS

HOME BACKUP OUTPUT - AC STAND-ALONE (BACKUP)(4)(5) Rated AC Power in Stand-Jone Operation

Charge Battery from AC (if allowed) Utility Monitoring, Islanding Protection, Country Configurable Total Harmonic Distortion (THD)

AC Output Voltage (Range)
AC Frequency Range (min - nom - ma
Maxmum Continuous Output Current Maximum AC Power Output

3800 @ 240V 3300 @ 208V 3800 @ 240V 3300 @ 208V

5760 @ 240V 5000 @ 208V 5760 @ 240V 5000 @ 208V

7600 7600

10000 10000

11,400 @ 240V 10,000 @ 208V 11,400 @ 240V 10,000 @ 208V

24

59.3 - 60 - 60.5⁽²⁾

æ

48

. adjustable -0.85 to 0.85

25 3

OUTPUT -- AC ON GRID

SE3800H-US / SE5700H-US / SE7600H-US / SE10000H-US / SE11400H-US

Single Phase, for North America

solar edge

t Schröde Februaryse. Ud. All right reserved SOUARENGE, the Schrödighogs, CPTM-IZTO DY SOUARENGE in mindematic or registered tradematics of Souredge Technologies, tro All other indematis inversioned featuri and tradematics of their respective crimens. Dater February 19, 2024 DS 5000,228 JULIA. Subject to change withour notice,

Module-level monitoring and visibility of battery status, PV production, and self-

through SolarEdge Home Network SolarEdge Home Smart Energy Ecosystem integrates seamlessly with the complete

Supports LRA - can provide the required energy for HVAC systems starting during

up to 300% DC oversizing

Record-breaking 99% weighted efficiency with

Advanced safety features with integrated arc fault protection and rapid shutdown for 690.11

and 690.12

Advanced reliability with automotive-grade

2-pole Disconnection CEC Weighted Efficiency

Maximum Inverter Efficiency Maximum Input Short Circuit Current

98.5

992

Embedded revenue grade production data ANSI C12.20 Class 0.5

In Thes specifization signity to meters with part numbers (stands Lipskelands and Esperis Lipskelands and contention before strong and product of the third specific part of the "third specific part of the "third specific product or excitations will not non-operation and numbers of the "third specific product or excitation and numbers of the "third specific product or excitation that the numbers of the "third specific product of the "third specific product or excitation that the "third specific product of the "third specific product or excitation that the "third specific product or exceeding specific product of the "third specific product or excitation that the "third specific product or "t

IP65-rated, for indoor and outdoor

solaredge.com

backup operation

Charging, and smart energy devices

Fast and easy installation - small and

The ultimate home energy manager in charge of PV production, battery storage, backup operation during a power outage*, EV

A scalable solution that supports future homeowner needs through easy connection to

lightweight, with reduced commissioning time

a growing ecosystem of products

Maximum DC Power @ 240V
Maximum DC Power @ 208V
Maximum Input Current** @ 240V
Maximum Input Current** @ 208V

17.5

10,000 30.5 27

INPUT - DC (PV) Ground-Fault (solation Detection

INPUT - DC (PV AND BATTERY)

AC Output Voltage Range

211-264 59.3-60-60.5

6

38 AB Tes

9600

A UI

OUTPUT - SOLAREDGE HOME EV CHARGER AC

Single phase inverter for storage and backup applications

Solor Till Have been Bill

SE11400H-US

SE3800H-US / SE5700H-US / SE7600H-US / SE10000H-US / For Inverters Assembled in the USA Single Phase, for North America SolarEdge Home Hub Inverter

SolarEdge Home Hub Inverter

SolarEdge Home Hub Inverter

Single Phase, for North America

SE3800H-US / SE5700H-US / SE7600H-US / SE10000H-US / SE11400H-US

TOP TIER SOLAR SOLUTIONS

TOP TIER

1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

DESCRIPTION INITIAL DESIGN

DATE REV 04/25/2026

REVISIONS

'Regr' Rumber	Transport.	HSTORY BY	THOUGHT SU HOUSE	CO (100F1135 ST	Manuel
OUTPUT - DC (BATTERY)					
Supported Battery Types		SolarEdge Ho	SolarEdge Home Battery, LG RESU Prime		
Number of Batteries per Invester		Up to 3 SolarEdge Ho	Up to 3 SolarEdge Home Battery, up to 2 LG RESU Prime	ris .	
Continuous Power ^{®)}	11,400 @ 240V 3800 @ 208V	11,400 @ 240V 5000 @ 208V	11400 @240V	11,400 @ 240V	*
Peak Power ²⁶	11,400 @ 240V 3800 @ 208V	11,400 @ 240V 5000 @ 208V	11400 @240V	11,400 @ 240V	*
Maximum Input Current		and the same of th	30	May to deligation planted (the	Adc
2-pole Disconnection		Up to the invert	Up to the inverter's rated stand-alone power		
SMART ENERGY CAPABILITIES					
Consumption Metering			Built-in ⁷⁶		
Stand-alone & Battery Storage	With Backup !	nterface (purchased se	With Backup interface (purchased separately) for service up to 200A; up to 3 inventors	up to 3 inverters	
EV Charolog		Direct connection to	Direct connection to the SolarEdge Home EV Charges		
ADDITIONAL FEATURES			3		
Supported Communication Interfaces	RS485, Ethe	met Cellular ^{na} , Wi-Fi	RS485, Ethernet, Cellular ¹⁹ , Wi-Fi (optional), SolarEdge Home Network (optional)	work (optional)	
Revenue Grade Metering, ANSI C12.20			Buit-in ⁹¹		
Integrated AC, DC and Communication Connection Unit			Yes		
Inverter Commissioning	With the SetAp	p mobile application u	With the SetApp mobile application using built-in Wi-Fi Access Point for local connection	or local connection	
DC Voltage Rapid Shutdown (PV and Battery)		A	Yes, NEC 690.12		
STANDARD COMPLIANCE					i
Safety	UL 1741, UL 1741SA, I	JL 1741SB, UL 1699B, C	UL 1741, UL 1741SA, UL 1741SB, UL 1699B, CSA 22 2#107.1, C22,2#330, C22.3#9, ANSI/CAN/UL 9540	#9, ANSI/CAN/UL 9540	
Grid Connection Standards		IEEE1547 and IE	IEEE1547 and IEEE-1547.1, Rule 21, Rule 14H		
Emissions	va.	FO	FCC Part 15 Class B		
INSTALLATION SPECIFICATIONS					
AC Terminals	=	L3, L2, N terminal block L2 terminal blocks, PE	L), L2, N terminal blocks, PE busbar for inverter connection L1, L2 terminal blocks, PE busbar for EV Charger AC connection	ion	
DC Terminals	4 x termi	nal block pairs for PV i	4 x terminal block pairs for PV input; 1 x terminal block pair for battery input	attery input	
AC Output and EV AC Output Conduit Size / AWG Range		fr ma	1" maximum / 14-4 AWG		
DC Input (PV and Battery) Conduit Size / AWG Range		em "I	I'' maximum / 14-6 AWG		
Dimensions with Connection Unit (H x W x D)		2106 x 14.1	2106 x 14.6 x 8.2 / 535 x 370 x 208		m/mm
Weight with Connection Unit			44.9 / 203		1b/kg
Noise			· 50		dBA
Cooling		Na.	Natural Convection		T
Operating Temperature Range		-40 to	-40 to +140 / -40 to +60***		7./4.
Protection Rating			NEMA 4X		

SHEET NAME EQUIPMENT SPECIFICATION

ESR.

ANSI B 11" X 17" SHEET NUMBER

PV-13

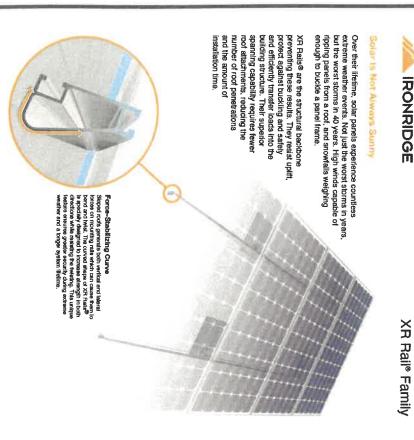
SHEET SIZE

5 Schrödig-Technologies, I.G. Adinghis reverwed SOLARSDIG, the Soursdaye logs, OPTIMIZED BY SOLARSDIG are trademarks or registered trademarks of SolarSdige Technologies, Inc. Ad other card march memocreed her on the trademarks of their respictuse owners. Date: Hohany 18, 2014 DS-000229- NAM. Sobject to change without notice.

CHERYL ROBERTS RESIDENCE

329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443

PROJECT NAME & ADDRESS



Rail Selection

XR Raif® Family

The XR Rail® Family offers the strength of a curved rail in three targeted sizes. Each size supports specific design loads, while minimizing material costs. Depending on your location, there is an XR Rail® to match.

TOP TIER SOLAR SOLUTIONS

SOLAR SOLUTIONS

TOP

IER E

1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

REVISIONS



XR10 is a sleek, bw-profile mounting rail, dealgned for regions with light or no snow, it achieves spens up to 6 feet while remaining light and economical.

XR100 is a residential and commercial mounting rall. It supports a range of wind and snow conditions, while also maximizing spens up to 10 leat.

6'spenning capability
 Moderate load capability
 Clear & black anodized finish
 Internal spilicae available

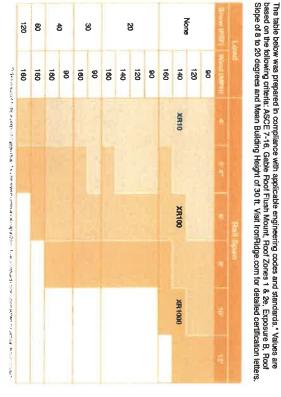
10' spenning capability
 Heavy load capability
 Clear & black enodized finish
 Internal splices eveliable



12' sparving capability
 Extreme load capability
 Clear anodized finish
 Internal splices available



XR1000 is a heavyweight among solar mounting rails. It's built to handle extreme climates and spans up to 12 leef for commercial applications.



Competible with Flat & Pitched Roofs XR Raile® are compatible with RaehFoot® and other pitched roof effactments.

konflidge® offers a range of tilk leg options for flat roof mounting applications.

All XR Relis[®] are made of 6000-eerles aluminum alloy, then profescled with an anodized finite. Anodizing prevents aurisce and shuctural corrosion, while also providing a more attractive appearance. Corrosion-Resistant Materials

RESIDENCE

329 W GERMAN ST,

PROJECT NAME & ADDRESS

CHERYL ROBERTS

SPECIFICATION SHEET NAME EQUIPMENT

DRAWN BY

ESR

SHEET NUMBER 11" X 17" ANSI B SHEET SIZE

PV-14

SHEPHERDSTOWN, WV, 25443



IRONRIDGE

UFO° Family of Components

Simplified Grounding for Every Application

separate grounding hardware by bonding solar modules directly to IronRidge® XRI Ralls® All system types that feature the UFC® family F-Elush Mount® and Ground Mount®—are fully listed to the UL 2703 standard. The UFO® family of components eliminates the need for

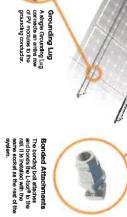
UFO® hardware forms secure electrical bonds with both the module and the rail, resulting in many parallel grounding paths throughout the system. This leads to safer and more reliable installations.

Only for installation and use with IronRidge products in accord with written instructions. See IronRidge.com/UFO

Stopper Sleeve
The Stopper Sleeve snaps
onto the UFO®, converting it
into a bonded end clamp.

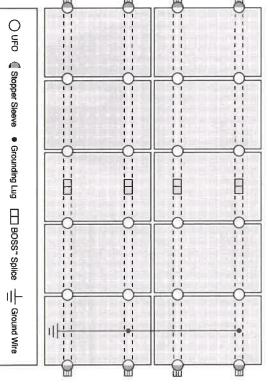


Universal Fastening Object (UFOs)
The UFOs securely bands solar modules to XR
Railss. If comes assembled and lubricated, and can fit a wide range of module heights.



BOSS® Splice
Bonded Structural Splice
connects rails with built-in
bonding teeth. No tools or
hardware needed.

System Diagram



Papproved Enphase microinverters can provide equipment grounding of fronRidge systems, eliminating the need for grounding lugs and field installed equipment ground conductors (EGC). A minimum of two microinverters mounted to the same rail and connected to the same Engage cable is required. Refer to installation manuals for additional details.

UL Certification

The IronRidge® Flush Mount®,
Tilt Mount®, and Ground Mount
Systems have been listed to UL 2703 by Intertek Group plc.

mechanical connections over an extended period of time in systems. It ensures these devices will maintain strong electrical and extreme outdoor environments evaluating solar mounting UL 2703 is the standard for

Go to iron.Ridge.com/UFO

Modules	Fire Rating	Microinverters & Power Optimizers	Grounding Lugs	BOSS® Splice	UFO [®] /Stopper	XR Rails [®]	Funttino	
Tested or Evalu Refer to insta	Class A	Compatible Refer to	1 per Row	<	4	<	Flush Mount	Grass-System Computibility
Tested or Evaluated with over 400 Framed Modules Refer to installation manuals for a detailed list.	Class A	Compatible with most MLPE manufacturers. Refer to system installation manual.	1 per Row	4	4	<	Till Mount	Computibility
Framed Modules a detailed list.	N/A	anufacturers. manual.	1 per Array	N/A	٠,	XR100 & XR1000	Ground Mount	

CHERYL ROBERTS RESIDENCE

PROJECT NAME & ADDRESS

329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443

ESR	DRAWN BY	

SHEET NAME SPECIFICATION

SHEET NUMBER

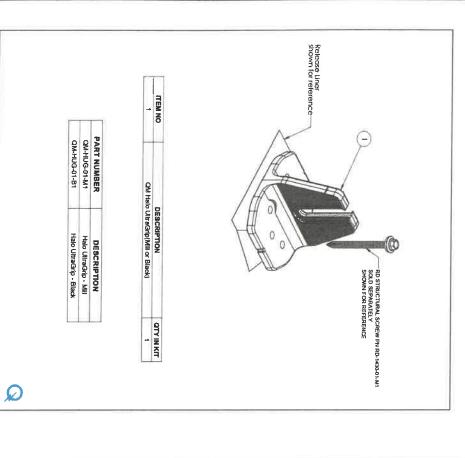
11" X 17" ANSI B SHEET SIZE

PV-15

TOP TIE 展

TOP TIER SOLAR SOLUTIONS 1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217,

INITIAL DESIGN	DESCRIPTION	REVISIONS	UNITED STATES
04/26/2025	DATE	S	ATES
	REV		



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QMHIUG-01-B1 or QM-HUG-01-M1 Cot Sheet Ray 1.0

© 2022 IronPlidge, inc. All rights reserved. Visit wave I-patents.com for patent information

3000 Series Aluminlum Mill or Black

DRAWN BY
ESR
SHEET NAME
EQUIPMENT
SPECIFICATION

QMHUG-01-B1 or QMHUG-01-M1 Qui Sheet Rev 10

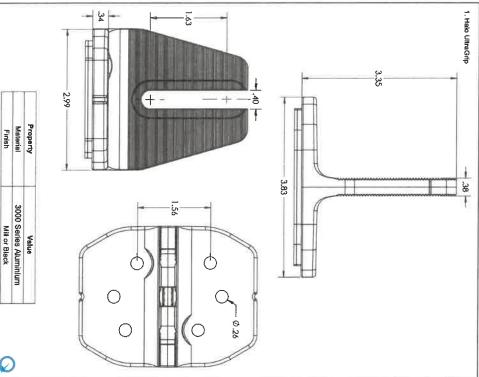
SHEET SIZE

ANSI B

11" X 17"

SHEET NUMBER

PV-16



CHERYL ROBERTS RESIDENCE	PROJECT	
329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443	NAME & ADDRESS	

SOLAR SOLUTIONS SOLAR SOLUTIONS TOP TIER SOLAR SOLUTION: 1530 CENTER PARK DR #2911, CHARLOTTE, INC 28217, UNITED STATES

DESCRIPTION INITIAL DESIGN

DATE REV 04/25/2025

REVISIONS

Cat Share

IRONRIDGE

QuickMount Halo UltraGrip

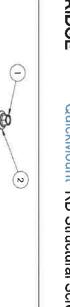
CW-Street

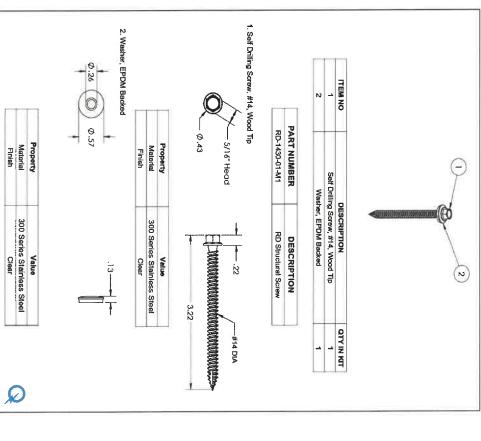


QuickMount RD Structural Screw

CuttShort







QM-RD-1430-01-M1 Out Sheet Rev 1.0

ESR
SHEET NAME
EQUIPMENT
SPECIFICATION
SHEET SIZE

ANSI B 11" X 17" SHEET NUMBER PV-17

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CHERYL ROBERTS RESIDENCE

329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443

PROJECT NAME & ADDRESS

T	04/25/2025	INITIAL DESIGN
2	DATE	DESCRIPTION
H	S	REVISIONS
I	K DR #2911 IC 28217, ATES	1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES

TOP TIER

TOP TIER SOLAR SOLUTIONS

EZ#SOLAR

ITEM NO.

PART NUMBER

DESCRIPTION

밁

JB-1.2

Æ

JB-1.2 BODY

POLYCARBONATE WITH UV INHIBITORS

_

SCALE 12 WEIGHT: 1.45 LBS SHEET TOF 3

#10 X 1-1/4" PHILLIPS PAN HEAD SOREW

JB-1.2 LID

POLYCARBONATE WITH UV INHIBITORS

_

TORQUE SPECIFICATION:

#8 X 3/4" PHILLIPS PAN HEAD SCREW

6

6

CERTIFICATION WEIGHT.

> UL 1741, NEMA 3R GSA C22.2 NO. 290 15-20 LBS

1.45 LBS

PHONE: 385-202-4150 WWW.EZSOLARPRODUCTS.COM

EZ#SOLAR

SHEET 20F3	WEIGHT: LAS LBS	64 -3 IN/US
	JB-1.2	Φ,
RFV	DWG NO	37.6

B JB-12
JB-1.2

	[276,30mm] 10,88m	
[265.18mm] 10.44in		[168.75mm] 6.64in
1	175.66mm)	

[279.68mm] [276.30mm] 11.01in 10.88in

SOLAR

PROPRIETATY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF EZ SOLAR ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMASSION OF EZ SOLAR IS PROHIBITED.

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[265,18mm] 10.44in [183.06mm] 7.21in

[72.53mm] _ 2.86in

1

ANSI B 11" X 17" SHEET NUMBER

SHEET SIZE

SHEET NAME EQUIPMENT SPECIFICATION

DRAWN BY ESR

PV-18

RESIDENCE

329 W GERMAN ST, SHEPHERDSTOWN, WV, 25443

CHERYL ROBERTS

PROJECT NAME & ADDRESS

PHONE: 385-202-4150 WWW.EZSOLARPRODUCTS.COM

TOP TIER SOLAR SOLUTIONS 1530 CENTER PARK DR #2911, CHARLOTTE, NC 28217, UNITED STATES TOP TIER REVISIONS INITIAL DESIGN 04/26/2026

Payment processed succesfully! Thank You for your Payment. Please print this receipt for your records. An email receipt will be sent if you have provided your email.

Your payment receipt.

Dear Jacon Van Winen,

Thank You for your payment. Please click the close button to clear your cart and return to the main screen.

Payment Details

Account #:

00000000

Statement #

019e9a43-426b-4ea3-ac3f-a1221303d8bf

Amount:

65.00

Transaction Amount: \$65.00 Processing Fee: \$2.95

Total Amount:

\$67.95 Authorization Code: 7150203

Transaction Date:

5/14/2025 9:54:45 AM

Card Holder:

Jacon Van Winen

Card:

VISA ending with 4088

Please allow 2 - 3 business days for card payments to post to your account. Please contact Shepherdstown at if you need assistance or have any questions.



Application Number 24 - 03

Application for Certificate of Appropriateness & Project Permit

Corporation of Shepherdstown, West Virginia

Should you have any questions regarding this application, please contact: **Andy Beall** (Phone 304-876-6858, E-Mail abeall@shepherdstown.us)

PLEASE PRINT OR TYPE CLEARL
Applicant's Name: Kenneth Postalwait
(Must be Property Owner)
Mailing Address: 3550 aux. air port Rd.
Seguin 1 10100
Day Time Telephone Number: 830 660 - 6190
E-Mail Address: rhawk 610 gmail. (om
Street Address of Proposed Work: 102 College
Lot Number/Legal Description:
(If no address exists)
Current Zoning: Residential Current Land Use: Residential
Note: See zoning maps at Town Hall for correct zoning classification
Description of Work: Install new metal roof
24 gauge autique Silver
- 27 gaage anight sites
Porch Covering (Partial North Juest sides
Cost Estimate: 4800 Project Category (Descriptions on Next Page):
Contractor performing work: Ken Postalwait
Contractor's Business License #:

A copy of the contractor's Shepherdstown business license or license application <u>MUST</u> be attached. The applicant is responsible for making sure all contractors working on this project have a Shepherdstown business license (which can be applied for at town hall). Work started without a business license could result in a stop work order on the project.



Application	Number	_

Application for Project Permit

(Checklist of Required Information for Applications)

Provide information required for appropriate category of work. Staff will ensure completion of checklist material prior to applications' inclusion on meeting agenda.

Category I-	Minor Projects such as awnings, porch railings, window boxes, satellite dishes, solar panels,
	signs, fences, non-permanent storage sheds and other minor changes.
PHOT	OGRAPHS OR DRAWN ELEVATION VIEWS OF THE PROPOSED WORK SITES (clearly
labele	d), at reasonable scales, of the parts of the structure to be altered (again, clearly labeled in terms of
which	side of the structure, etc.) are needed.
MATE	ERIAL AND COLOR SAMPLES for exterior finishes
Category II-	Driveways, decks, carports, porch enclosures and window, roof or siding replacement.
Category III-	New construction of and/or additions to residential, commercial, and industrial structures.
Category IV-	Demolition or Relocation of a Structure
(Categories I	I and III):
MATI	PLAN is required at common engineering (1" = 10' or 1" = 20', etc.) or architectural scales (1/4" = 1' or 1/8" = 1'). Specifically, these drawings shall include: North point, scale, date, property boundaries (lot lines), existing trees and/or significant planting (if work will disturb surroundings), street & parking lighting. (SAMPLE ATTACHED) Gross & net land area of property Setback from property boundaries Existing & proposed topography (only if regrading of the property is required) Existing & proposed accessory structures. Existing & proposed street right-of-way & entrance Sidewalk, handicap access, Category IV only ERIAL AND COLOR SAMPLES for exterior finishes (ATIONS, drawings indicating height of proposed structures, materials, and window and door arrangements NG INFORMATION shall be defined in the application as required: Dwelling density- net (residential application only) Flood plain designation if any (mapping available in Town Hall) Cost estimates and property appraisals for applications seeking exemptions from Chapter 12- Floodplain provisions
Histor Comp At lea	- Demolitions: ic designation of structures to be demolished (documents available in Town Hall) lete description of structure(s) or part(s) of structure(s) to be demolished. st one (1) structural report by a certified structural engineer. Applies to demolition requests for ares fifty (50) years or older.



Checklist of Required Information for Applications Continued

All Categories:

Wher install Copy of general contractor's Shepherdstown business license or license application.

The owner or agent of a building or premises in or upon which a violation of any provision of the Planning and Zoning Title has been committed or shall exist, or the leasee or tenant of an entire building or entire premise in or upon which violation has been committed or shall exist, or the agent, architect, building contractor or any other person who commits, takes part or assists in any violation or who maintains any building or premises in or upon which such violation shall exist, shall be guilty of a misdemeanor and shall be punished by a fine not to exceed one hundred (100) dollars. Each and every day that such violation continues may constitute a separate offense.

Please read the following paragraph carefully and sign.

Section 9-905 Remedies and penalties

Attach documents specified in the checklist on the back of this application. I hereby certify that all information herein provided is true and accurate. I hereby authorize the inspection of the above premises by authorized agents of the Shepherdstown Planning Commission at any reasonable time in order to determine compliance with the Commission's approval. I understand that my presence at the assigned application review meeting is required. Application must be signed by owner or his/her agent.

Date: 1-6-2024 Owner's Signature: Len Postalwait

Print Name: Ken Postalwait

Fees shall be paid to the Town Treasurer/Clerk and must accompany the application. If work begins without the required permit, double the cost of said permit will be applied.

Zoning Officer Comments:		Fee Paid Su U. od
		Date Paid 18724
	3	* CC*



Application Number	
11	

THE SHEPHERDSTOWN TOWN COUNCIL ORDAINS:

Section 9-902 of Chapter 8 paragraph XIV be amended as follows:

Please check all boxes that may apply (Application Fees Due Upon Submittal):

Category I:

minor chang	es and permit extensions.	050.00
Category II	•	\$50.00
Window rep	lacement, roof replacement, siding replacement, porch enclos	oure, driveways, carports, and decks
		\$100.00
Category II	<u>I:</u>	
New constru	ction of and/or additions to residential, commercial, and indu	strial structures.
		\$300 + \$0.50 per s
New constru	ction of garages & other accessory buildings (permanently at	tached to the ground).
		\$50 + \$0.10 per se
Category IV	<u>7:</u>	
relocation of	or Relocation of a Structure: Removal of any building feat a structure to new location. For either project, the applicant n application):	
	son for the demolition/relocation (including historic document cribe the structure's condition in detail.	tation).
3. Desc	cribe the proposed reuse of the site, including full drawings of	f new structure & landscaping.
	lence of relevant funding or financial concerns. eframe for project	
3. 11111	ename for project	
\$50.00	Accessory Buildings	
\$150.00 \$500.00	Non-Contributing Structures (< 50 years old) Contributing Structures (≥ 50 years old)	
\$300.00	Contributing Structures (= 50 years ord)	

Certificate of Appropriateness Advertisement Fee:

\$15

Receipt

Payment processed succesfully! Thank You for your Payment. Please print this receipt for your records. An email receipt will be sent if you have provided your email.

Your payment receipt.

Dear KENNETH POSTALWAIT,

Thank You for your payment.

Payment Details

Transaction Amount: \$566.00

Processing Fee:

\$15.56

Total Amount:

\$581.56

Authorization Code: 6181894

Transaction Date:

1/8/2024 3:39:20 PM

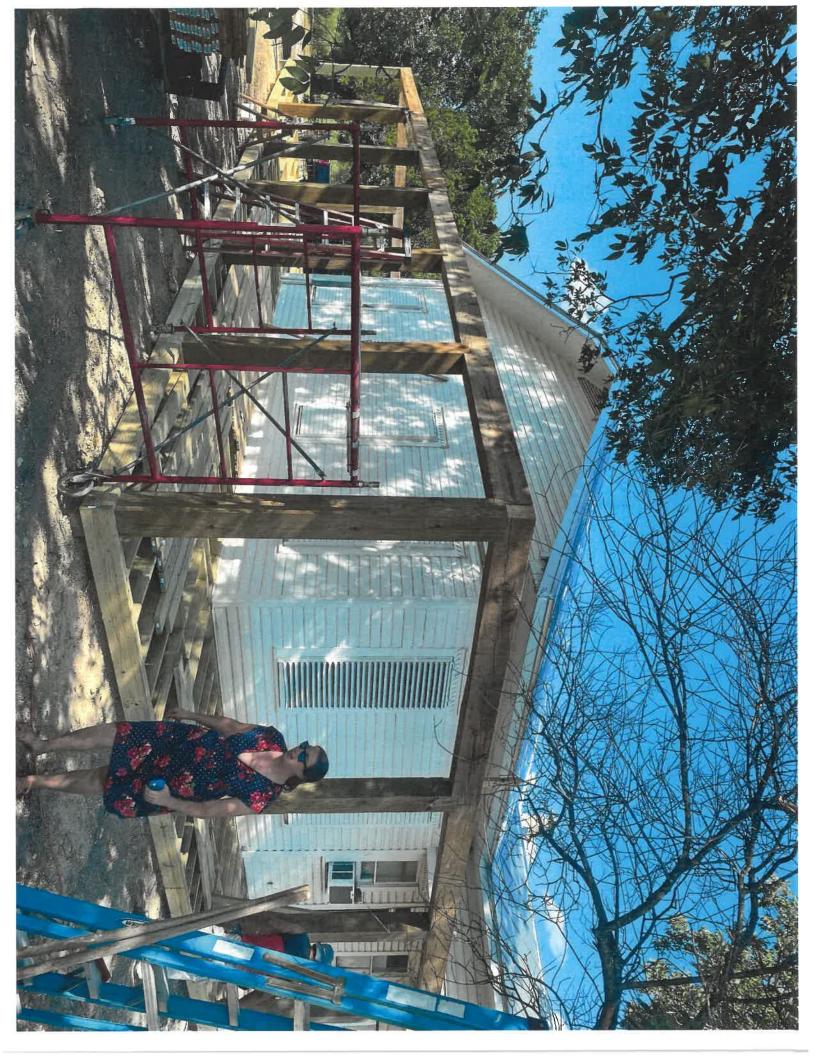
Card Holder:

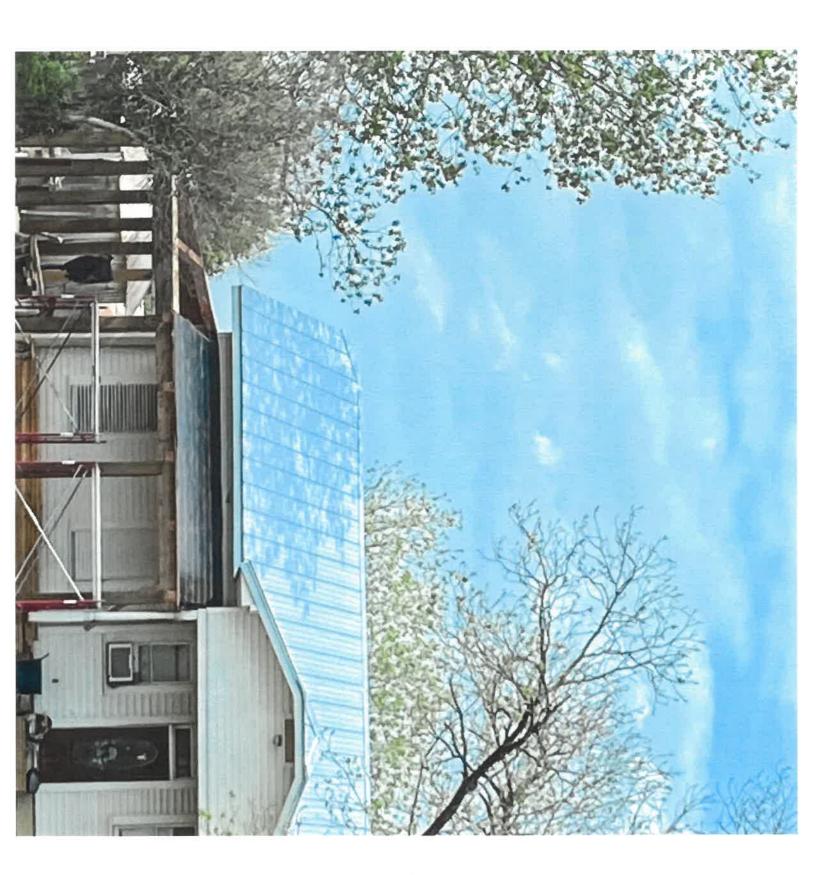
KENNETH POSTALWAIT

Card:

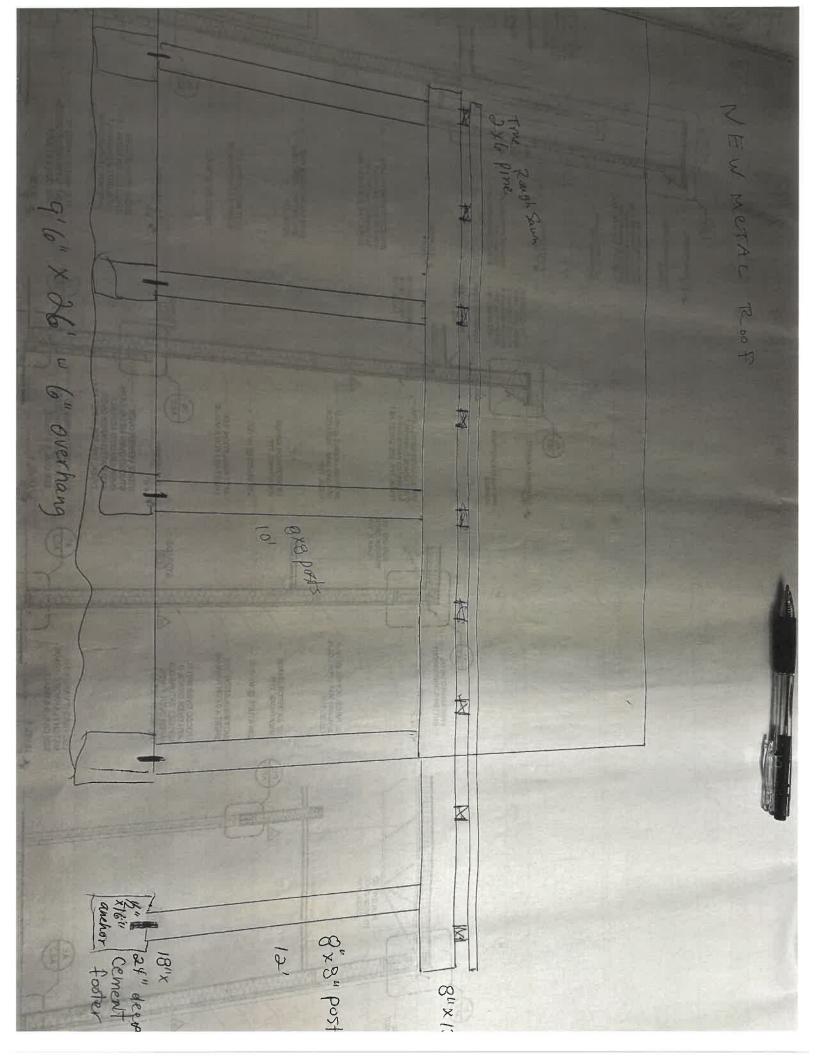
VISA ending with 8794

Please allow 48-72 hours for your payment to post. Please contact us at in case of questions.









	College Street
	Street Wew
	8"x8" POST 10" OC
	13' S'x8' 10'5'
Rough Sawn Pine rafters H'OC Pine Header Beams	ax6 roughsawn Pine lash Shrip 115
on parch and thouse "antique silver"	Cellow Standing Seam roof on pass pe