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950 Locust Corner Road Cincinnati, Ohio 45245

(513) 752.6262 Fax # (513) 752.8981 www.piercetownship.org

Pierce Township Board of Zoning Appeals Hearings 950 Locust Corner Road March 27th, 2024 5:00 pm Agenda

- I. Call to Order: Fred Heyse, BZA Chair
- II. Roll Call: Mr. Motz____Mr. Sander____Mr. Holte_____Mr. Lembke_____ Mr. Neukam____Mr. Heyse_____Mr. Buhr_____
- III. Pledge of Allegiance
- IV. Welcome to Mr. Steve Neukam
- V. Nomination and Selection of Chair and Vice-Chair
- VI. Review and Approval of:
 - a. Hearing Minutes from January 24th, 2024

VII. Oath taken by all attendees and staff wishing to speak during these hearings

- a. Staff presentation
- b. Applicant presentation
- c. Discussion by the Board
- d. Open public comment
- e. Motion to close public comment
- f. Additional discussion by the Board
- g. Motion to approve/deny/approve with modification(s)
- VIII. New Business (Public Hearings):
 - Case BZA2024-001: An application for one (1) dimensional variance(s), from Pierce Township Zoning Resolution, 4.06(F)(12) "Solar panels are permitted when attached to the roof of a principal or accessory building", to install 8' tall ground mounted solar panels (74' X 11' in area). Submitted by Michael Luggen for property located at 763 Old Locust Hill Road Pierce Township, Ohio 45245.
 - 2) Case BZA2024-002: An application for a dimensional variance(s), per Article 4 Residential Zoning Districts and Use Regulation, to construct a detached garage outside of a rear yard. Article 4.05-1 states that states, "Detached Accessory Garages or Other Buildings are permitted in the rear yard only." Submitted by Ronald J & Peggy A Boehl for property located at 917 Belmont Boulevard Pierce Township, Ohio 45245.
 - 3) Case BZA2024-003: An application for a dimensional variance(s), from Pierce Township Zoning Resolution, 12.10 B) to construct (3) three signs (1 Wall Sign Permitted per Tenant) (1) Drive Thru; (2) Pickup Signs for the

Kroger Company. 12.10 B) 1) states, "each business or tenant within a GB zoning district shall be permitted one wall sign for each side of the building that faces a public roadway." Submitted by Brooke Alini (Atlantic Sign Company) for property located at 262 W Main St Pierce Township, Ohio 45102.

- IX. Other business:
- X. Adjournment

Next Meeting: as needed

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Board of Zoning Appeals Meeting Minutes CASE# BZA2023-007 January 24th,2024

The Board of Zoning Appeals of Pierce Township, Clermont County, Ohio met at 5:00pm, on Wednesday January 24th 2024, at the Pierce Township Administration Building, 950 Locust Corner Road.

CALL TO ORDER/ROLL CALL

Chair Fred Heyse called the meeting to order. Board members answering roll call, Mr. Brad Motz, Mr. Bob Sander, Ms. Linda Spitzmiller, Mr. Ray Lembke, Mr. Fred Heyse, and Mr. John Buhr. Members absent, Mr. Ryan Holte. Mr. Buhr is filling in for the absence of Mr. Holte. Township personnel who were also present: Mr. Eddie McCarthy, Pierce Township Director of Community Development and Planning.

PLEDGE OF ALLEGIANCE

Chair Fred Heyse led everyone in the Pledge of Allegiance.

NOMINATION AND SELECTION OF OFFICERS

The Board postponed the nomination of officers until the Board of Trustees either appoint new officials, or reappoint current members with expired terms.

APPROVAL OF MINUTES FROM OCTOBER 18, 2023 MEETING

Mr. Lembke made a motion to approve the October 18, 2023 Meeting Minutes, seconded by Mr. Buhr. Roll call on motion; Mr. Motz; abstain. Mr. Sander; aye, Mr. Lembke; aye. Mr. Heyse; aye. Mr. Buhr; aye.

OATH TAKEN BY ATTENDEES

Chair Fred Heyse administered the oath to attendees.

NEW BUSINESS

CASE #BZA2023-007 59 GLADIOLA WAY

Chair Fred Heyse opened the hearing on case #BZA2023-007 59 Gladiola Way.

STAFF REPORT

Mr. McCarthy presented a staff report for case #BZA2023-007. An application for a setback variance per Article 7 Planned Unit Development, to construct an awning. The site is located at 59 Gladiola Way, Pierce Township, Ohio, 45102, Parcel # 290109.190. and the application has been submitted by applicant, Jeff Oslin, on behalf of

owner(s) Elizabeth and Thomas Yingling. The applicant has further submitted application materials to consider a deck encroachment into the 25' greenspace buffer, as the deck had already been constructed.

Mr. McCarthy also gave a brief history regarding the application process for the site. A deck permit was approved for the property in July 2023. In January 2024, the deck was constructed with a 1' encroachment into the 25' greenbelt.

Several Board members discussed the drainage easement that the deck and awning would cover, Mr. McCarthy addressed that anything built into the easement is ultimately in the HOA's discretion to enforce or not.

PRESENTATION FROM APPLICANT

The property owner, Mr. Tom Yingling, gave his presentation regarding the deck and awning proposal. Mr. Yingling stated that the deck contractor didn't know about the greenbelt buffer when the deck was built, and that the awning will only cover the deck and not exceed the floorplan of the deck.

The Board further discussed the application details regarding setbacks, and weighting the possibility of setting precedent going forward regarding incorrectly built structures that have been permitted, and whether or not the greenbelt would be further encroached upon if the awning was put over the existing deck.

PUBLIC COMMENT

Mr. Lembke made a motion to open public comment, seconded by Mr. Buhr. Roll call on motion, all aye.

With no public comment to be made, Mr. Lembke made a motion to close public comment, seconded by Mr. Sander. Roll call on motion, all aye.

MOTION

Mr. Lembke discussed restricting the request to forbid enclosing the space underneath the proposed awning to prevent deviations from the character of the neighborhood by inadvertently allowing additional finished space.

Mr. Lembke made a motion to approve encroachment variance for the deck structure into greenbelt buffer, seconded by Mr. Motz. Roll call on motion. Mr. Motz; aye, Mr. Sander; nay, Mr. Lembke; aye, Mr. Heyse; aye, Mr. Buhr; aye. Motion passes for request #3.

Mr. Lembke made a motion to approve the awning encroachment into the greenbelt buffer, as well as the setback variance for the awning, with the condition that the roof structure does not extend past the deck footprint, and that the deck & awning may not be enclosed or screened in by any vertical walls. This decision was made on the basis that the home was built deeper into the rear year of the property, and that the appearance of the neighborhood would not be fundamentally impacted by this addition. This motion was seconded by Mr. Buhr. Roll call on motion. Mr. Motz; aye, Mr. Sander; nay, Mr. Lembke; aye, Mr. Heyse; aye, Mr. Buhr; aye. Motion passes for request #1 & #2.

ADJOURNMENT

At 6:31 PM, Mr. Lembke made a motion to adjourn seconded by Mr. Buhr.

Roll call on motion: All, aye.

Fred Heyse, Chair

Dimensional Variance: 763 Old Locust Hill Road (272814D033.)

Summary: An application for one (1) dimensional variance(s), from Pierce Township Zoning Resolution, 4.06(F)(12) "Solar panels are permitted when attached to the roof of a principal or accessory building", to install 8' tall ground mounted solar panels (74' X 11' in area).

Proposal: Site two ground mounted solar arrays (non-roof mounted) on a vacant site.

Owner/Applicant: Michael Luggen

Property Location: 763 Old Locust Hill Road Pierce Township, Ohio 45245 (272814G095.)

1. Arrays proposed on 767 Old Locust Hill Road (Vacant Site)

Property Profile:

Acreage: 5.68 acres (767 Old Locust Hill)

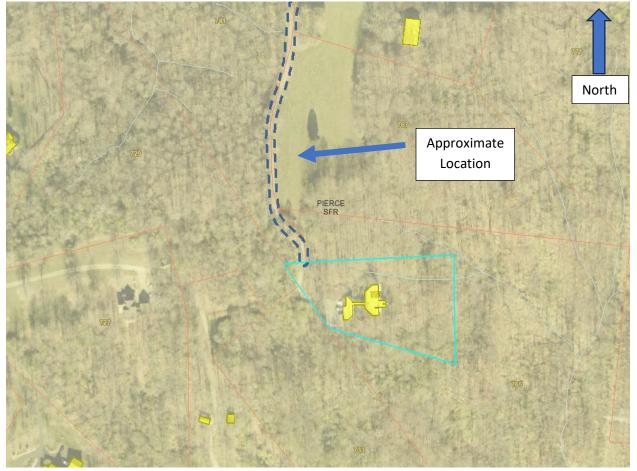
Current Use: Single Family Residential

Zoning: Single Family Residential (SFR)

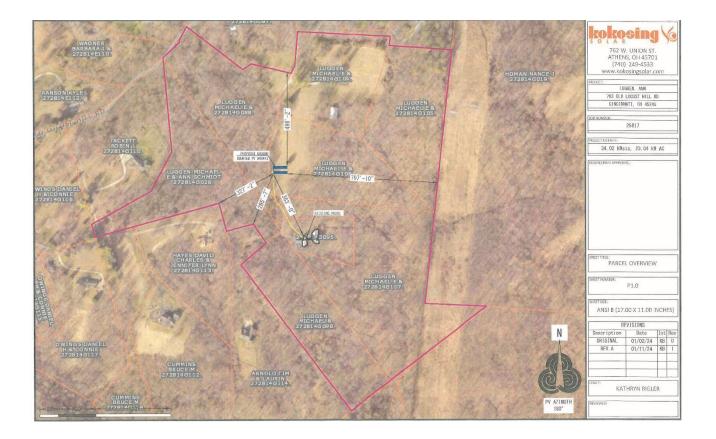
Prepared By: Eddie F. McCarthy, Director of Community Development and Planning

Action Required: The BZA shall make a decision on the variance application in accordance with 3.08: Variances B) 2).

Vicinity Map:



Proposal: Construct two ground mounted solar arrays totaling 814 sq. ft in area (non-roof mounted) on a vacant site.





Staff Analysis and Recommendation:

Summary – Action: The Board of Zoning Appeals shall consider a Variance to permit two ground mounted solar arrays. Secondarily, although not requested, the arrays are proposed on a vacant site, which conflict with the Zoning Resolution.

The proposed arrays face a number of challenges, illustrated below:

1. Conflict 4.06(F)(12): Solar panels are permitted only when placed on the roof of a structure. The proposed panels are ground mounted

2. *Conflict 5.05 B) 4*): The accessory use is not located on the same lot as the principal use for which it serves; the arrays are proposed on 767, rather than 763 Old Locust Hill, the location of the dwelling.

Staff Comment – A lot combination is recommended as a condition, should the Board recommend approval.

3. Proposed proximity to the ROW may create future conflict with the rural nature/character of the area.

Staff Comment: Evergreen and canopy tree plantings along the northern and western viewsheds of the proposal would mitigate visibility from 741 and 729 Old Locust Hill Road, should those properties develop in the future, while ensuring the southern facing arrays remain functional.

Staff Analysis:

Staff has reviewed the proposal (Date Stamped February 26, 2024) in accordance with 3.08: Variances B) 2), specifically:

The following factors shall be considered and weighed by the BZA to determine practical difficulty:

(a) Whether special conditions and circumstances exist which are peculiar to the land or structure involved and which are not applicable generally to other lands or structures in the same zoning district; examples of such special conditions or circumstances are: exceptional irregularity, narrowness, shallowness or steepness of the lot, or adjacency to nonconforming and inharmonious uses, structures or conditions;

Staff Comment: Unique circumstances do not appear to exist on this property.

(b) Whether the property in question will yield a reasonable return or whether there can be any beneficial use of the property without the variance;

Staff Comment: *The property may continue as a residential property in the absence of an approval.*

(c) Whether the variance is substantial and is the minimum necessary to make possible the reasonable use of the land or structures;

Staff Comment: *The variance is substantial and appears to be the minimum necessary to best achieve the applicant's goals.*

 (d) Whether the essential character of the neighborhood would be substantially altered or whether adjoining properties would suffer substantial detriment as a result of the variance;

Staff Comment: Character does not appear to be adversely affected at this time but may in the future due to the siting location near the right of way. Evergreen and canopy tree plantings along the northern and western viewsheds of the proposal would mitigate visibility from 741 and 729 Old Locust Hill Road, should those properties develop in the future, while ensuring the southern facing arrays remain functional.

(e) Whether the variance would adversely affect the delivery of governmental services including, but not limited to water, sewer, police and fire protection, trash pickup;

Staff Comment: No effect

(f) Whether special conditions or circumstances exist as a result of actions of the owner;

Staff Comment: *It does not appear that the owner created the circumstances for the variance.*

(g) Whether the property owner's predicament can feasibly be obviated through some method other than a variance;

Staff Comment: The applicant could conceivably utilize a roof mounted array but it appears that this may result in a less efficient solar panel system

(h) Whether the spirit and intent behind the zoning requirement would be observed and substantial justice done by granting a variance; and

Staff Comment: The applicant's request appears to meet the spirit and intent of the Resolution. The requirement for roof placement appears to inherently limit the size, scope and location of a solar array in residential areas, so as to prevent the creation or impression of a commercial sized enterprise. The present proposal is in a rural area and not visible from adjoining properties.

In 2020, a similar request (VC2020-004) was received at 27 Locust Hill Road for a similarly sized array that was approximately 2' taller in height. Shared characteristics included a rural/secluded area and ground mounted system that would not be visible from adjoining properties. Due to the lack of impact on nearby sites and rural nature of the area, said proposal was approved.

One issue that needs to be addressed is the fat that accessory structures may not be located on sites without primary structures.

(i) Whether the granting of the variance requested will confer on the applicant any special privilege that is denied by this regulation to other lands, structures, or buildings in the same district.

Staff Comment: The applicant does not appear to be obtaining a special privilege as a result of this variance. Theoretically, the applicant is proposing a structure that could be placed on the roof. The proposal is not substantially egregious in scope, so as to necessitate circumventing regulations intentionally. Staff contends that properties with smaller acreage, differing terrain and less vegetation appear to create a limiting effect on properties similar to the subject lot; in this manner, "one size fits all" regulations that are intended for worst case scenario circumstances in smaller and more dense areas can inadvertently impact properties wherein the effects are far less intense or even nonexistent.

No single factor listed above may control, and not all factors may be applicable in each case. Each case shall be determined on its own facts.

Staff Recommendation and Board of Zoning Appeals Decision:

Upon review of the foregoing, staff has determined that the literal enforcement of this resolution will result in practical difficulty in accordance with 3.08 of the Zoning Resolution.

Staff recommends that the Board of Zoning Appeals consider conditional approval of the application in accordance with 3.08: Variances B) 2), contingent upon the following:

- 1. The subject lot must be combined with the parcel on which the dwelling is sited.
- 2. An approval letter from the Homeowner's Association
- 3. Evergreen and canopy tree plantings along the northern and western viewsheds of the proposal
- 4. The applicant must comply with all federal, state and local regulations.

Determination(s):

3.08: Variances

A) Review Procedure The review procedure for variances shall be as follows:

1) Step 1 – Application

(a) An application for variance may be made by the person having legal authority, including an authorized agent, or by a governmental officer, department, board or bureau.
(b) The completed application shall include a copy of maps, data, and any other requirements specified in Section 3.04 (Common Review Requirements) and shall be submitted to the Zoning Inspector.
(c) Each application shall be signed by the owners, or the authorized agent for the owner, attesting to the truth and correctness of all facts and information presented with the applications.

(d) The Zoning Inspector shall transmit a copy of the application to the BZA.

2) Step 2 - Public Hearing with the Board of Zoning Appeals

(a) The BZA shall fix a reasonable time for the public hearing on the variance application, give at least 10 days of notice in writing to the owner and owners of adjoining properties, and give notice of such public hearing by one publication in one or more newspapers of general circulation in the County at least 10 days before the date of such hearing.

(b) At the hearing, the BZA may continue the hearing in order to obtain additional information or to cause further notice, as it deems proper to be substantially interested in

> said variance application. In the case of a continued hearing, persons previously notified and persons already heard need not be notified of the time of resumption of said hearing unless the BZA so decides.

3) Step 3 – Decision

(a) Within 30 days after the hearing concludes (Step 2), the BZA shall make a decision on the variance application.

(b) A certified copy of the BZA's decision shall be transmitted to all parties in interest. Such decision shall be binding upon the Zoning Inspector who shall incorporate the terms and conditions of the decision in the permit to the applicant or appellant, whenever the BZA authorizes a zoning permit.

(c) Failure to comply with the conditions of a decision shall be deemed a violation of this zoning resolution.

(d) Any party adversely affected by a decision of the BZA may appeal the decision to the Clermont County Court of Common Pleas.

B) Review Criteria

1) The BZA shall have the power to authorize upon appeal in specific cases, filed as hereinbefore provided, such variances from the provisions or requirements of this resolution as will not be contrary to the public interest. Where an applicant seeks a variance, said applicant shall be required to supply evidence that demonstrates that the literal enforcement of this resolution will result in practical difficulty for an area/dimensional variance or unnecessary hardship for a use variance. The following factors shall be considered and weighed by the BZA.

2) Area/Dimensional Variance

The following factors shall be considered and weighed by the BZA to determine practical difficulty:

(a) Whether special conditions and circumstances exist which are peculiar to the land or structure involved and which are not applicable generally to other lands or structures in the same zoning district; examples of such special conditions or circumstances are:

exceptional irregularity, narrowness, shallowness or steepness of the lot, or adjacency to nonconforming and inharmonious uses, structures or conditions;

(b) Whether the property in question will yield a reasonable return or whether there can be any beneficial use of the property without the variance;

(c) Whether the variance is substantial and is the minimum necessary to make possible the reasonable use of the land or structures;

(d) Whether the essential character of the neighborhood would be substantially altered or whether adjoining properties would suffer substantial detriment as a result of the variance;

(e) Whether the variance would adversely affect the delivery of governmental services including, but not limited to water, sewer, police and fire protection, trash pickup;

(f) Whether special conditions or circumstances exist as a result of actions of the owner;

(g) Whether the property owner's predicament can feasibly be obviated through some method other than a variance;

(h) Whether the spirit and intent behind the zoning requirement would be observed and substantial justice done by granting a variance; and

(i) Whether the granting of the variance requested will confer on the applicant any special privilege that is denied by this regulation to other lands, structures, or buildings in the same district.

No single factor listed above may control, and not all factors may be applicable in each case. Each case shall be determined on its own facts.

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(513) 752.6262 Fax # (513) 752.8418 www.piercetownship.org

PIERCE TOWNSHIP ZONING OFFICE

Appeal No. BZA2024-00

Appeal from Decision of Zoning Inspector

Or

Request for Variance

Appeal and \$400.00 fee filed With Township Inspector On 2/2/19.4

NOTICE: This appeal must be typewritten or printed and must be filled within thirty (30) day of the date of the decision being appealed.

TO THE PIERCE TOWNSHIP BOARD OF ZONING APPEALS

RECEIVED

FEB 2 6 2024

950 Locust Corner Road

Cincinnati, Ohio 45245

| 1. | Michael Luggen | |
|----|---|---|
| | | Name |
| | 763 Old Locust Hill Rd | 513-753-5858 |
| | Address | Phone Number |
| | Hereby requests the Board of Zoning App | eals to authorize issuance of a Zoning Certificate for: Made مه مه |
| | A ground-mounted Solar elec | tric system comprised of 84 modules. 2 arrays |
| | (approximately 74' × 12' each, w | ith 15' interior spacing + 42 modules on each array) |
| | This system has been designed - | to optimally offset customers electric usage |
| | by 90 % and has been placed | in the location cited for most optimal solar gain |
| | Or grant a variance on the property desc | ibed herein. with the least amount of shading. |
| | Attached hereto is a copy of the decision | rendered by the Zoning Inspector. |

* Contractor applied for zoning and was called by Andrew Higgins and told that there is no zoning required for roof-mounted solar but that the township does not allow ground-mounted solar. 2. Applicant is <u>Owner</u>

Capacity in which you appear

Of the property which is the subject of this appeal. Such property is located on the __________ North, South, East, West

Side of <u>Old Locust Hill Rd</u> and is known as No. <u>763</u> Street or Road

State name of plot and lot number therein or amount of acreage, Section, Town, and Range number thereof:

parcel # 2728146095, 1.65 acres and surrounded on all sides by The buggen's 7 other parcels totalling (W/ property in question) 47.44 acres. (729,741,733,769,771,767+765 Old Lowest Hill Rd)

- 3. State the section or sections of the Zoning Resolution under which it is claimed this application or appeal may be granted: 4,05 (F)(12)
- 4. State fully the facts on which this application or appeal is based. (Attach additional sheets if necessary.) <u>Township only allows roof mounted solar</u>, but for many customers who lack <u>Available roof space and/or proper orientation</u>, solar (and the ability to <u>mitigale rapidly rising electric costs</u>) would not be feasible. This particular home <u>is surrounded by trees and shading would also prevent optimal solar generation</u>.
- 5. Give names and addresses of the owners of all abutting lots or property as well as those on the other side of the street, or streets, immediately opposite said property: ______
 - Nance Homan 863 Locust Corner Rd. David Hayes 727 Old Locust Hill Rd Barbara Wagner 15 Locust Hill Rd • Tim Arnold 731 Old Locust Hill Rd Kyle Ranson 17 Locust Hill Rd • Phillip Depriest 856 State Rt. 749 Robin Tackett 721 Old Locust Hill Rd
- 6. Is there any case pending in court or summons involving the use of the premises or the ownership

thereof? Yes _____ No 📉 if yes, please explain: ______

| 7. | Are there any restrictive covenants, any restrictions of record by deed or otherwise which would |
|-------------------------------|---|
| | prevent the proposed use of the premises? Yes Noif yes, what are they? |
| 8. | Is there any petition pending to change the zoning regulations affecting these premises? Yes Noproposed change |
| | |
| 9. | Has any previous application or appeal been filed in connection with these premises? Yes Noif yes, when? |
| 10. | Attach a plot layout, drawn to scale, showing the actual shape and dimension of the lot, of the building and accessory building(s) existing and the lines within which the proposal building shall be erected or altered. |
| I hereby depo herewith are | |
| Subscribed an 20 <u>24</u> . | d sworn to be me this 23 day of February |
| My commissio | ANDY AND |
| | Notary Public |

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Luggen properties surrounding stated parcel for variance

(# 2728146095)

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|--------------------------|--|--|--|--|---|---|---|
| | Search by Owner | | Name | JGGEN pe in: LastName FirstName | | | |
| | Options | Sort by: Parcel ID | ✓ Ascent | ding 🗸 | Results/page: 1 | 5 🗸 | |
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| | Parcel ID A 272814G026. 272814G088. 272814G095. | Owner Name LUGGEN MICHAEL LUGGEN MICHAEL LUGGEN MICHAEL | . E & ANN S . E & SCHMI . E & SCHMI . & SCHMIDT | Parcel Address 729 OLD LOCUST HILL RD 741 OLD LOCUST HILL RD 763 OLD LOCUST HILL RD | Last Sale 12/05/2014 08/20/1996 11/01/1987 | Price \$162,332.00 | Select page all Select all Deselect all Deselect all Search Manag View List - Maj Reports |
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| | Parcel ID A 272814G026. 272814G088. 272814G095. 272814G098. 272814G104. | Owner Name LUGGEN MICHAEL LUGGEN MICHAEL LUGGEN MICHAEL LUGGEN MICHAEL LUGGEN MICHAEL | E & ANN S E & SCHMI E & SCHMI & SCHMIDT E & SCHMI E & SCHMI | Parcel Address 729 OLD LOCUST HILL RD 741 OLD LOCUST HILL RD 763 OLD LOCUST HILL RD 733 OLD LOCUST HILL RD 769 OLD LOCUST HILL RD | Last Sale 12/05/2014 08/20/1996 11/01/1987 05/31/1996 05/06/2013 | Price \$162,332.00 | Select page all Select all Deselect all Deselect all Search Manage View List - Map Reports |

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| A N P Fi D | DARD OF TRUSTEES len M. Freeman cholas J. Kelly eter J. Kambelos, MD scal Officer ebbie S. Schwey DIERCE (513) 752.6262 EAX # (513) 752.6262 EAX # (513) 752.8418 |
|------------------------|--|
| | Iministrator Fax # (513) 752.8418 . Tim Williams www.piercetownship.org |
| | ZONING PERMIT |
| | Application No |
| Aţ | plicant Name: Kokosing Solar (Christine McMillian) Date: 1-11-24 |
| Ac | dress: 762 W. Union St Phone: 740-331-4984 |
| Ci | y, State & Zip Code: Athens, OH 45701 Email: Christine, mcmillian@ Kokosing. biz |
| | rcel Address: 763 Old Locust Hill Rd Parcel No. 2728/46095 |
| Cit | y, State & Zip Code: <u>Cincinnati, OH 452</u> 45 |
| Ра | rcel Owner Name (if different than applicant): Michael + Ann Luggen |
| Ра | rcel Owner Address (if different than applicant): Same |
| Cu | rrent Zoning District: Current Use (if any): Kesidence |
| Ту | pe of Work (check applicable box): New Construction:Remodel/Expansion:Fence:Minor Lot Split |
| Sig | nage: Change of Use: Accessory Structure (detached garage, shed, etc): Other: |
| Ar | chitect/Engineer: Vector Engineering |
| Ge | neral Description of Work: <u>Ground Mount Solar electric System</u> , <u>84 panels</u> (= 1842sf) Size of Building/Sign/Etc.: Total Sq. Ft.: <u>1842</u> Length: <u>73'3</u> " ft. Width: <u>6'8</u> " ft. Height: <u>8'</u> ft. |
| 1. | Size of Building/Sign/Etc.: Total Sq. Ft.: 1842 Length: 73'3" ft. Width: 6'8" ft. Height: 9'_ft. |
| 2. | Approx. Cost of Work: \$ 107,998 3. Lot Size: Multiple adjacent parcels (see pages 2-3 of plans |
| 4. | Setbacks from Property Lines: Front: <u>496</u> ft. Rear: <u>797</u> ft. Side: <u>327</u> ft. Side: <u>285</u> ft. |
| NA 5. | For Sign Applicants: A. Sign Type: NA (e.g. ground mounted, pole mounted, wall mounted, etc.) |
| Nk в. | Size of Text/Graphics (within sign area): Total Sq. Ft:Length:ft. Width:ft. |
| | Type of illumination (if any): |
| | For Change of Use Applicants: A. Proposed new use: |
| | No. of Employees:C. No. of Office/Apartment Units: (Please complete back page) |

- 7. Acknowledgement: It is the responsibility of the applicant to review the property deed for covenants, easements, and/or other restrictions that may inhibit the issuance of a zoning certificate or violate a subdivision regulation. Pierce Township does not administer or enforce private agreements. Consequently, violators of deed covenants or other restrictions are liable for potential legal actions from private owners, home owners associations and/or other vested parties.
- Applications for Zoning Permits must include applicable documentation which may include one or more of the 8. following:
 - A plat of the lot to be developed with dimensions, lot and parcel number, with evidence that the lot has a. been surveyed.
 - b. A site plan drawn to scale showing the location and dimensions of proposed and existing buildings, driveways, parking areas, landscaping, signage, topography and/or other public or private features necessary to demonstrate compliance with the Zoning Resolution.
 - Photographs, drawings, renderings, product specifications, material data sheets, informational brochures c. and/or similar information that helps to demonstrate compliance with the Zoning Resolution.
- Please contact Zoning Department staff with any questions or concerns using the contact information listed on 9. the front page of this application. The Pierce Township Zoning Resolution, Zoning Map and Permit Fee schedule can be found online at: www.piercetownship.org (Go the Zoning Department page for links to the Resolution, Map and Fee Schedule).
- As owner(s) of the property located at 763 Old Locust Hill Rd we hereby 10. grant permission to Members of the Board of Zoning Appeals and Staff of Pierce Township to enter the property for visual inspection of the exterior premises. The purpose of said inspection is to review the existing conditions of the subject site as they are related to the application filed.

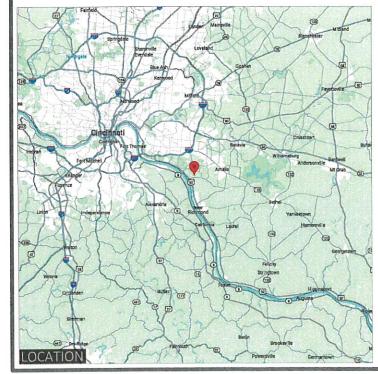
I hereby state that the above information, together with all submitted materials, is a true statement and covenant and agree to comply with the laws of the State of Ohio and with the Pierce Township Zoning Resolution relating thereto.

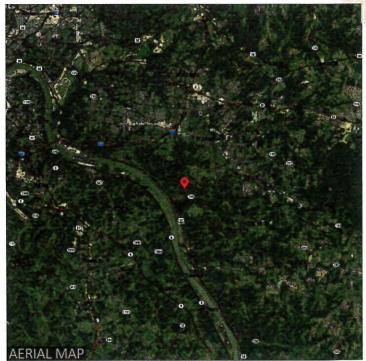
Applicant Signature: Urushe Mchullion Date: 1-11-24 (FOR TOWNSHIP USE ONLY)

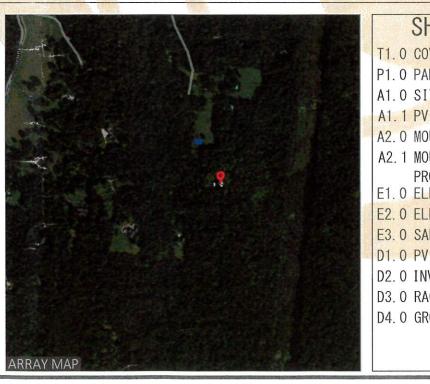
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| After application review, a Zoning Permit is hereby: | APPROVED | DENIED | OTHER |
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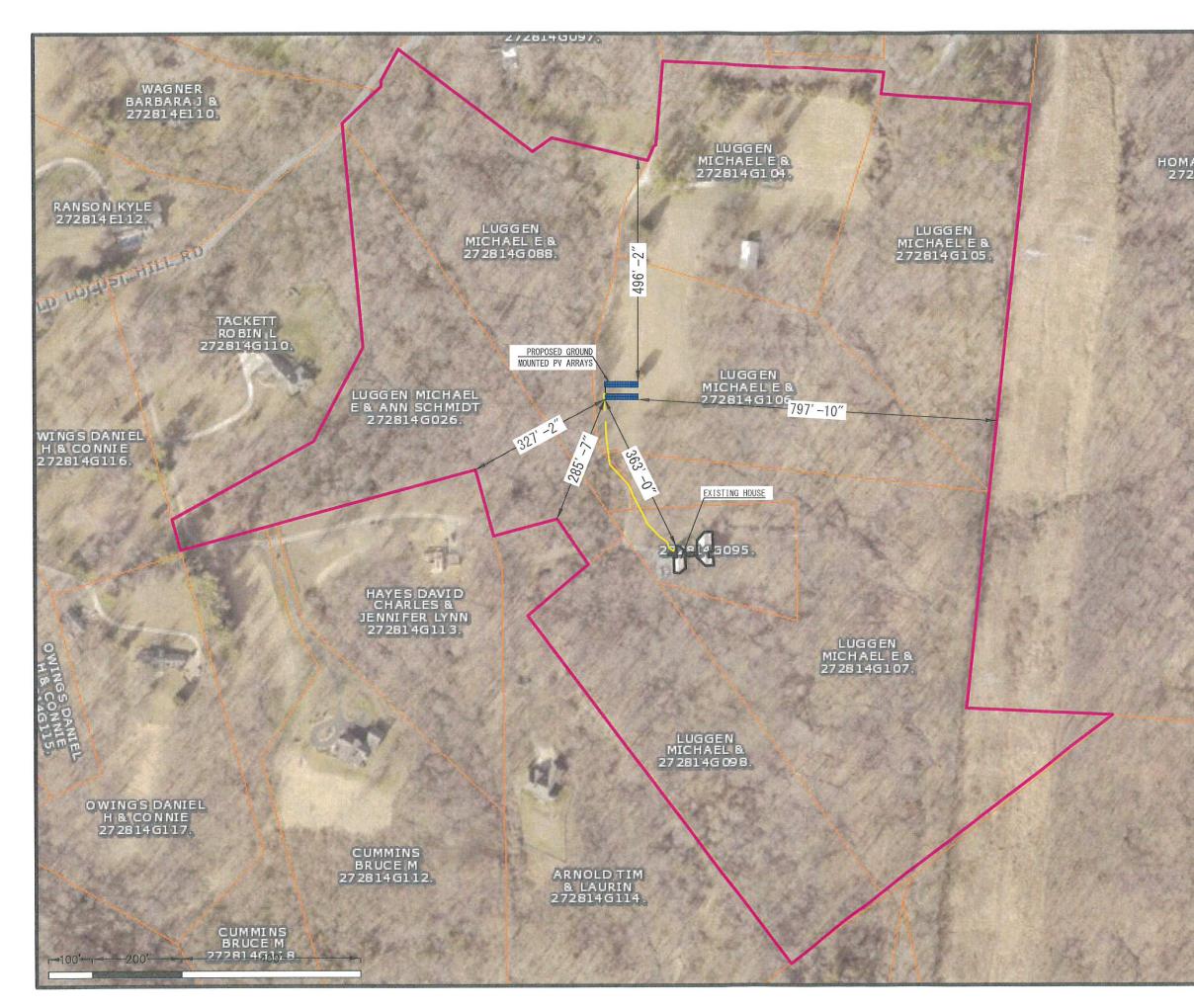
| PROJECT DESCRIPTION THIS SUPPORT STRUCTURE MOUNTED SOLAR PHOTOVOLTAIC (PV) SYSTEM SHALL BE INSTALLED AT THE SINGLE FAMILY RESIDENCE IN CINCINNATI, OH. THE ENERGY PRODUCED BY THIS PV SYSTEM SHALL BE INTERCONNECTED WITH THE UTILITY GRID THROUGH THE EXISTING ON-SITE ELECTRICAL EQUIPMENT VIA A LINE SIDE TAP IN THE MAIN SERVICE DISCONNECT. THIS SYSTEM DOES NOT INCLUDE STORAGE BATTERIES. | SCOPE OF WORK ELECTRICAL EQUIPMENT (84) HANWHA Q. PEAK DUO BLK ML-G10+ 405 MODULE (1842 sq-ft) (3) SMA SB 7.7-US INVERTER (3) SMA CELL MODEM (1) LOAD CENTER (1) PV PRODUCTION METER (1) EXT. AC DISCONNECT - FUSED | SITE SPECIFICA BUILDING DISCRIP: SINGLE FAMILY RE BUILDING TYPE: RESIDENTIAL LANDSCAPE: SUBURBAN UTILITY: DUKE ENERGY AHJ: OCCUPANCY CATEGORY: II EXPOSURE CATEGORY: C DESIGN WIND SPEED: 115 MPH (ASCE 7 |
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| NOTES 1) ALL DIMENSIONS SHALL BE FIELD VERIFIED BY INSTALLER PRIOR TO INITIATING CONSTRUCTION. 2) ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. 3) ALL EQUIPMENT SHALL BE LISTED FOR ITS SPECIFIC APPLICATION BY UL OR EQUIVALENT AGENCY. 4) ALL EQUIPMENT SHALL BE RATED FOR THE ENVIRONMENT IN WHICH IT IS INSTALLED. 5) ACCESS TO ELECTRICAL COMPONENTS OVER 150 VOLTS-TO-GROUND SHALL BE RESTRICTED TO QUALIFIED PERSONNEL. 6) ALL CONDUCTORS SHALL BE COPPER, RATED FOR 600 VOLTS AND 90 DEGREES C WET ENVIRONMENT OR AL EQUIVALENT, UNLESS OTHERWISE NOTED. | MOUNTING AND RACKING (2) APA RACKING READY RACK KIT | DESIGN SNOW LOAD: 20 PSF (ASCE 7-10 GOVERNING CODE 2017 NATIONAL ELECTRIC CODE 2017 OHIO BUILDING CODE 2017 OHIO FIRE CODE 2019 OHIO RESIDENTIAL CODE UNDERWRITERS LABORATORIES (UL) STA OSHA CFR 1910. 269 |
| 7) UNSPECIFIED EQUIPMENT DIMENSIONS SHALL BE DETERMINED ACCORDING TO APPLICABLE CODES UPON INSTALLATION. 8) PV MODULES FRAMES SHALL BE BONDED TO RACKING RAIL PER THE MODULE MANUFACTURE'S LISTED | LUGGE | N, ANN |
| INSTRUCTION SHEET. 9) PV MODULE RACKING RAIL SHALL BE BONDED TO BARE COPPER EGC VIA WEEB LUG OR EQUIVLENT LISTED EQUIPMENT. | 763 OLD LOCUST HILL RD | , CINCINNATI, C |
| 10) GROUNDING ELECTRODE CONDUCTOR (GEC) SHALL BE CONTINUOUS AND/OR IRREVERSIBLY SPLICED/WELDED. | 84 HANWHA 405 | - 34.02 KWSTC |
| 11) ALL JUNCTION BOXES, COMBINER BOXES, AND DISCONNECTS SHALL BE INSTALLED IN ACCESSIBLE LOCATIONS. 12) WORKING SPACE ARROUND ELECTRICAL EQUIPMENT SHALL COMPLY WITH 2017 NEC 110.26. | PROJECT MANAGER: ADAM BROWN PHONE: 740-249-4533 ext. 134 EMAIL: adam.brown@kokosing.biz | SOLAR CONSULTANT: SITE VISIT TECH: DESIGN ENGINEER: |



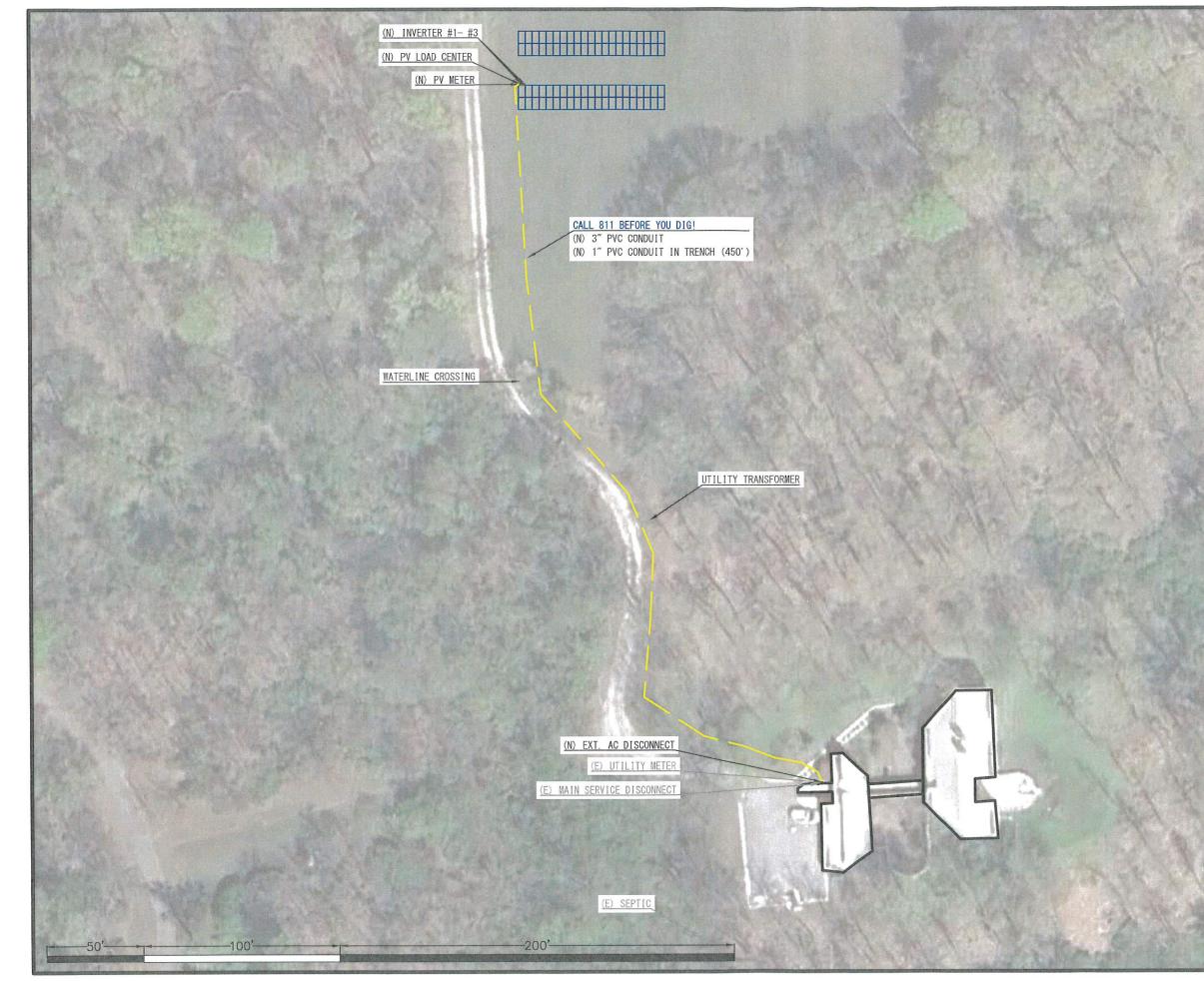




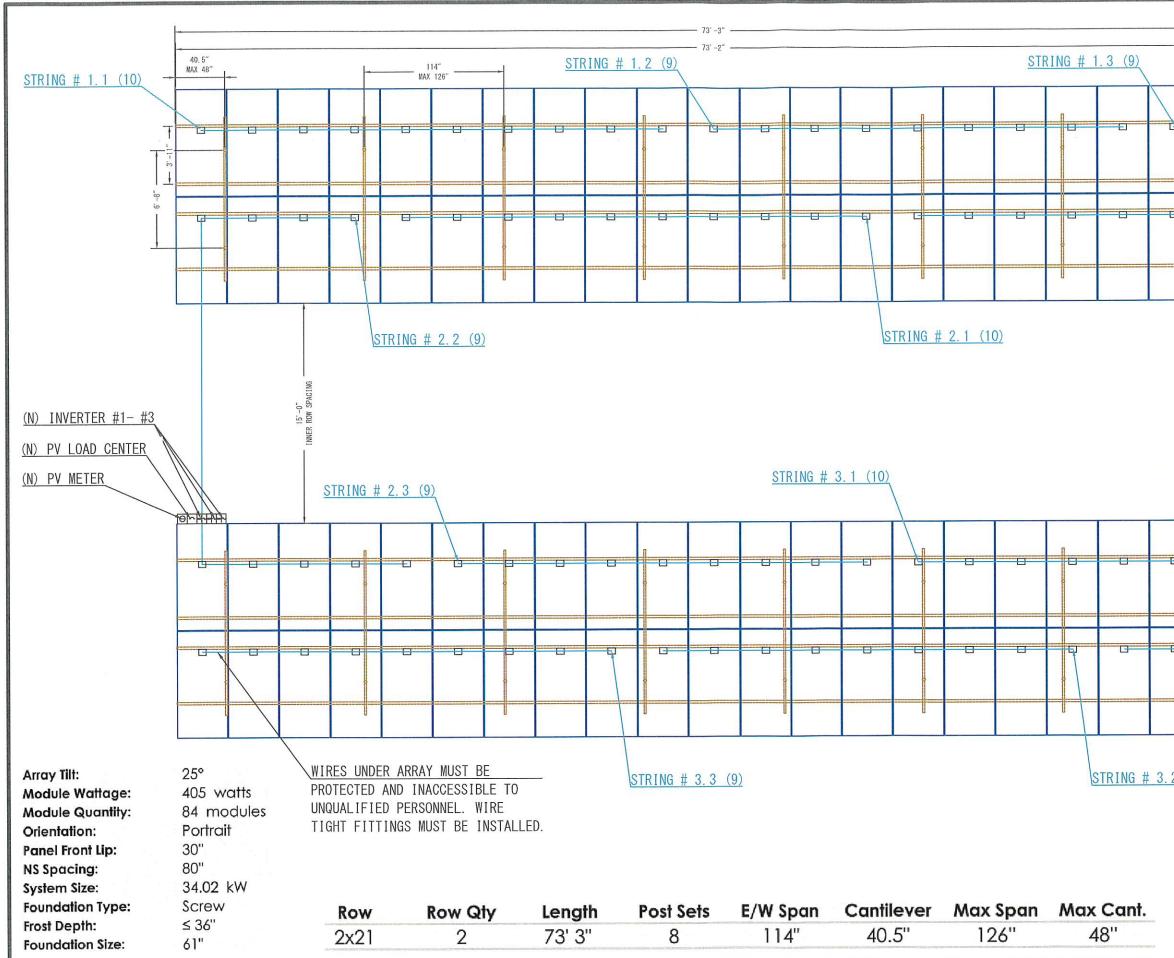
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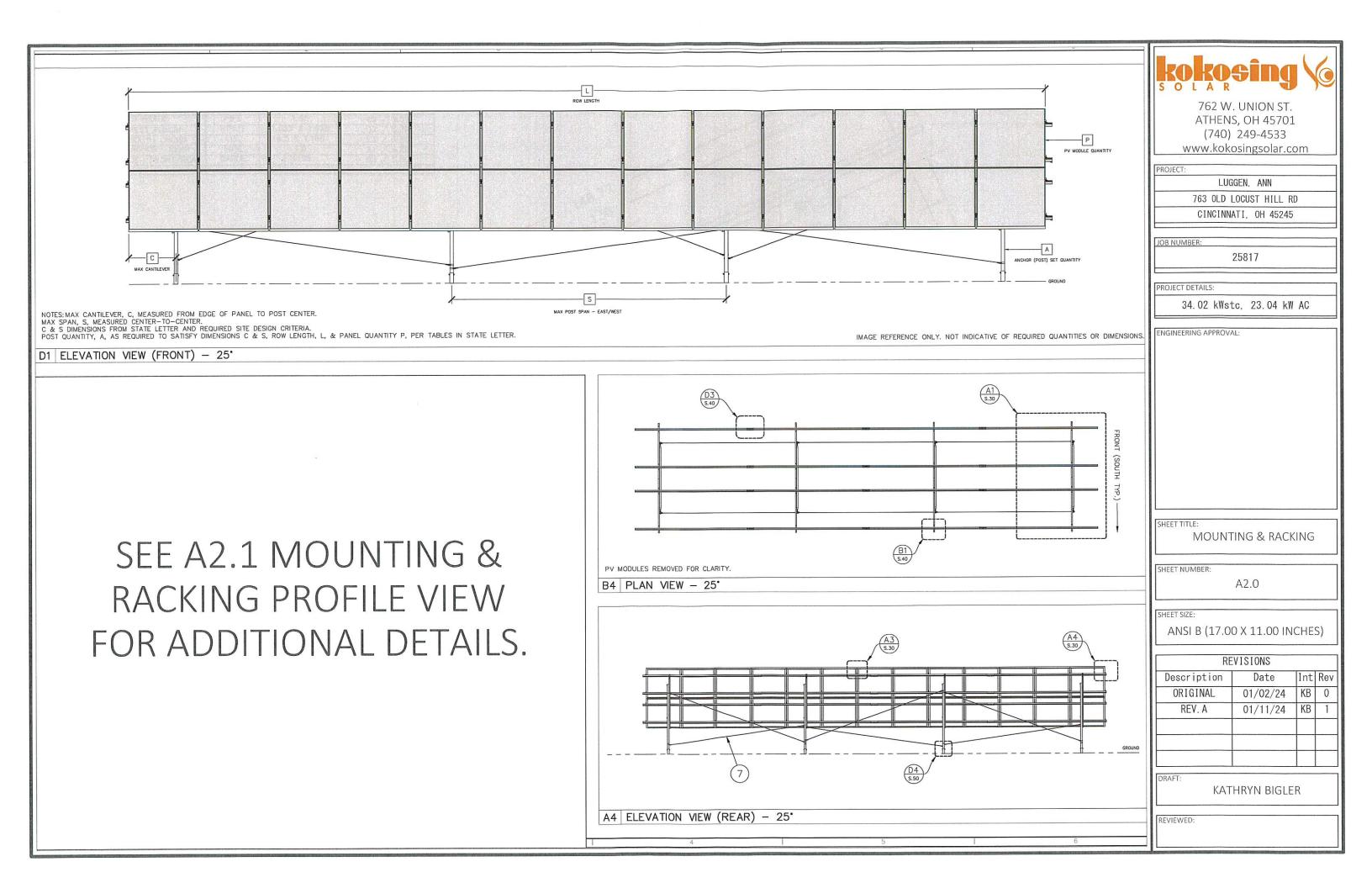


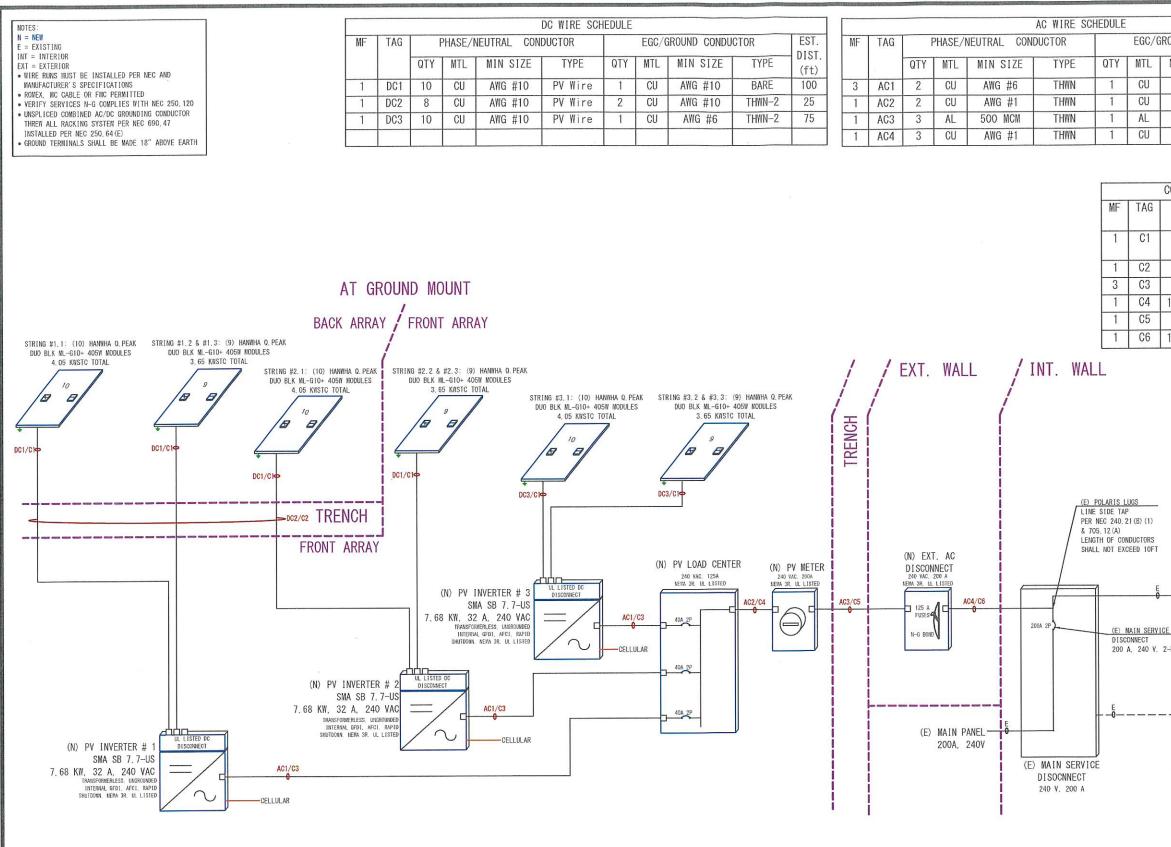
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| UTILITY METER 1-PHASE. 240 V UTUGUE PROFERED BY UTILITY IF MEESSARY UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY SHEET TITLE: ELECTRICAL RISER SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) TO SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) TO COLONNE SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) TO COLONNE SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) TO COLONNE T | 1 | L/\\ . | | - | | | | |
| UTILITY METER 1-PHASE. 240 V UTUGUE PROFERED BY UTILITY IF MEESSARY UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY TO UTILITY SHEET TITLE: ELECTRICAL RISER SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) TO SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) TO COLONNE SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) TO COLONNE SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) TO COLONNE T | / | | | | | | | |
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| 1-PHASE. 240 V UIRADE PROVEMED BY UILLITY IF RECESSAY UILLITY IF RECESSAY UILLITY GRID GEE 2-P ELECTRICAL RISER SHEET TITLE: ELECTRICAL RISER SHEET NUMBER: E1.0 SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) REVISIONS Description Date Int REV. A 01/11/24 KB 1 DRAFT: | | | | | | | | |
| UILITY IF RECESSARY UILITY IF RECESSARY UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO UTILITY GRID TO SHEET TITLE: ELECTRICAL RISER SHEET NUMBER: E1.0 SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) TO TO TO TO TO TO TO TO TO TO | | | | | | | | |
| IDEE | | UTILITY | IF NECESSARY | | [| | | |
| GRID GRID GRID GRID SHEET NUMBER: E1.0 SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) The scription Date Int Rev ORIGINAL 01/02/24 KB 0 REV. A 01/11/24 KB 1 DRAFT: KATHRYN BIGLER | | F | 2 | TO | | | | |
| ELECTRODE ELECTR | | -40 | ット | UTILITY GRID | ELECT | RICAL RISER | | |
| ELECTRODE ELECTR | ł | | | | | | | J |
| SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) REVISIONS Description Date Int Rev ORIGINAL 01/02/24 KB 1 Image: Stress of the | ICE | | | | SHEET NUMBER: | 54.0 | | |
| ANSI B (17.00 X 11.00 INCHES) ELECTRODE (E) GROUNDING ELECTRODE (E) GROUNDING Description Date Int Rev ORIGINAL O1/02/24 KB ORIGINAL O1/11/24 KB DRAFT: KATHRYN BIGLER | 2-P | | | | | E1.0 | | |
| ANSI B (17.00 X 11.00 INCHES) ELECTRODE (E) GROUNDING ELECTRODE (E) GROUNDING Description Date Int Rev ORIGINAL O1/02/24 KB ORIGINAL O1/11/24 KB DRAFT: KATHRYN BIGLER | | | | | | | | |
| (E) GROUNDING ELECTRODE (E) GROUNDING ELECTRODE (E) GROUNDING Description Date Int Rev ORIGINAL 01/02/24 KB 0 REV. A 01/11/24 KB 1 DRAFT: KATHRYN BIGLER | | | | | | 0.1/ 4.1 0.2 1 | 01.1- | _] |
| ELECTRODE | | | | | ANSI B (17.0 | U X 11.00 IN | CHE | 5) |
| ELECTRODE | | | | | L | | | |
| Description Date Int Rev ORIGINAL 01/02/24 KB 0 REV. A 01/11/24 KB 1 | Ŧ | | | | | | | |
| REV. A 01/11/24 KB 1 | | | - | | | Date | | Rev |
| DRAFT: KATHRYN BIGLER | 1 | | | | ORIGINAL | 01/02/24 | KB | 0 |
| KATHRYN BIGLER | | | | | REV. A | 01/11/24 | KB | 1 |
| KATHRYN BIGLER | I | | | | | | 1 | |
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| KATHRYN BIGLER | | | | | | | | |
| | | | | | and the second | HRYN RIGI F | R | |
| REVIEWED: | | | | | | | | |
| | | | | | REVIEWED: | | | |
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| Local Rec | cord | Low Temp: | -19 | | | °C | | |
|--------------------------|------|-------------------------------|-------|-----------------------------------|-------|---------------------------------------|-----------------------------|--|
| Data Source: | | | CINC | INNATI MUNICIPA | L AP | LUNKI | | |
| Voc Temp Coefficient | x | 25°C - Record Low Temp. | 0 | + | 1 | = | Voc Correction Factor | |
| -0.027%/°C | х | 44 | °C | + | 1 | = | 1.01 | |
| Voc Correction Factor | х | Voc | x | Number of Modules in Series | = | Temp Corrected Ope Circuit Voltage | | |
| 1.01 | х | 45.34 | x | 10 | = | 458. 79 | Volts DC | |
| | | 120% Rule p | er NE | C 705.12(B)(2)(| 3) (b |) | | |
| Main Busbar Rating: | Х | 1.2 | - | Main Breaker Rating: | = | Max PV | Breaker Size | |
| 200 | Х | 1.2 | - | 200 | = | | 40 | |
| | | | MA | X OCPD | | | | |
| Total Inverters | | Inverter Max Amp | | NEC 2017 690.8 | | 2017/L E85 | urce Circuit Current | |
| 3 | Х | 32 | X | 1,25 | = | 120 | Amps | |

| T | Model Number: | SMA S | SB 7.7-US |
|----------|------------------------|-------|-----------|
| ł | Power Rating: | 7680 | Watts |
| t | Nominal Voltage: | 240 | Volts AC |
| Ш | Max Output Current: | 32 | Amps |
| INVERTER | CEC Efficiency: | 97 | °0 |
| Z | Max DC Voltage: | 600 | Volts DC |
| ł | Max DC Current: | 18 | Amps DC |
| ł | Max DC Power: | 12320 | Watts |

| Tag | | Circuit [|)etails | | | | | Conc | luctor Spec | ifications | S |
|-----|--|--|--|--|---|--|---|---|--|---|--|
| | Origin | Destination | Envi | ronment | Est. 1-Way | MAX # | Mtl | Temp | Trade | Wire | # |
| | | | Location | Exposure | Dist (ft) | Ungnd Cond | | Rating | Size | Туре | Set |
| DC1 | PV String 1.1-1.3 & 2.1-2.2 | Transition Box | Exterior | Free Air | 100 | 10 | CU | 90°C | AWG #10 | PV Wire | 1 |
| DC2 | Transition Box | Inverters #1 & #2 | Burried | PVC Conduit | 25 | 8 | CU | 90° C | AWG #10 | PV Wire | 1 |
| DC3 | PV String 2.2-2.3 & 3.1-3.3 | Inverters #2 & #3 | Exterior | Free Air | 75 | 10 | CU | 90°C | AWG #10 | PV Wire | 1 |
| | | | | | | | | | | | |
| Tag | | Circuit [| Details | | | | | Cond | | | |
| | Origin | Destination | Envi | ronment | Est. 1-Way | MAX # | Mtl | Temp | | | # |
| | | | Location | Exposure | Dist (ft) | Ungnd Cond | | Rating | Size | Type | Set |
| AC1 | Inverter #1 - #3 | PV Load Center | Exterior | EMT Conduit | 5 | 2 | CU | 75° C | AWG #6 | THWN | 1 |
| AC2 | PV Load Center | PV Meter | Exterior | EMT Conduit | 5 | 2 | CU | 75° C | AWG #1 | THWN | 1 |
| AC3 | PV Meter | AC Disconnect | Burried | PVC Conduit | 450 | 2 | AL | 75° C | 500 MCM | THWN | 1 |
| AC4 | AC Disconnect | Main Service Disconnect | Exterior | EMT Conduit | 10 | 2 | CU | 75° C | AWG #1 | THWN | 1 |
| | DC2 DC3 Tag AC1 AC2 AC3 | DC1 PV String 1.1-1.3 & 2.1-2.2 DC2 Transition Box DC3 PV String 2.2-2.3 & 3.1-3.3 - - - | DC1 PV String 1.1-1.3 & 2.1-2.2 Transition Box DC2 Transition Box Inverters #1 & #2 DC3 PV String 2.2-2.3 & 3.1-3.3 Inverters #2 & #3 OC3 PV String 2.2-2.3 & 3.1-3.3 Inverters #2 & #3 Image: Constraint of the string o | Image: Description of the system Image: Description of the system DC1 PV String 1.1 - 1.3 & 2.1 - 2.2 Transition Box Exterior DC2 Transition Box Inverters #1 & #2 Burried DC3 PV String 2.2 - 2.3 & 3.1 - 3.3 Inverters #2 & #3 Exterior DC3 PV String 2.2 - 2.3 & 3.1 - 3.3 Inverters #2 & #3 Exterior DC4 PV Inverters #2 & #3 Exterior DC5 PV String 2.2 - 2.3 & 3.1 - 3.3 Inverters #2 & #3 Exterior DC6 PV Inverters #2 & #3 Exterior DC7 Inverters #2 & #3 Exterior Inverter DC8 PV String 2.2 - 2.3 & 3.1 - 3.3 Inverters #2 & #3 Exterior DC9 Inverters #2 & #3 Inverters #2 & #3 Inverter DC9 Inverters #1 - #3 PV Load Center Envi DC9 PV Load Center PV Meter Exterior AC2 PV Load Center PV Meter Exterior AC4 AC Disconnect Main Service Exterior | Image: Description of the sector of the s | Image: Description of the system Dist (ft) DC1 PV String 1.1-1.3 & 2.1-2.2 Transition Box Exterior Free Air 100 DC2 Transition Box Inverters #1 & #2 Burried PVC Conduit 25 DC3 PV String 2.2-2.3 Inverters #2 & #3 Exterior Free Air 75 & 3.1-3.3 Inverters #2 & #3 Exterior Free Air 75 & 3.1-3.3 Inverters #2 & #3 Exterior Free Air 75 & 3.1-3.3 Inverters #2 & #3 Exterior Free Air 75 & 3.1-3.3 Inverters #2 & #3 Exterior Free Air 75 & 3.1-3.3 Inverters #2 & #3 Exterior Free Air 75 & 3.1-3.3 Inverters #2 & #3 Exterior Free Air 75 & 3.1-3.3 Inverters #2 & #3 Exterior Free Air 75 & 3.1-3.3 Inverters #1 & #3 Inverters #1 10 10 Tag Origin Destination Environment Est. 1-Way Origin Destination Environ Exposure Dist (ft) AC1 Inverter #1 - #3 PV Load Center Exterior EMT Conduit 5 AC2 PV Meter AC | Image: Constant of the systemDist (ft)Ungnd CondDC1PV String 1.1-1.3 & 2.1-2.2Transition BoxExteriorFree Air10010DC2Transition BoxInverters #1 & #2BurriedPVC Conduit258DC3PV String 2.2-2.3 & 3.1-3.3Inverters #2 & #3ExteriorFree Air7510DC4PV String 2.2-2.3 & 3.1-3.3Inverters #2 & #3ExteriorFree Air7510DC5PV String 2.2-2.3 & 3.1-3.3Inverters #2 & #3ExteriorFree Air7510DC6PV String 2.2-2.3 & 3.1-3.3Inverters #2 & #3ExteriorFree Air7510DC7BInverters #2 & #3ExteriorFree Air751010DC8Inverters #2 & #3Inverters #2 & #3ExteriorFree Air7510DC7Inverters #1 - #3PV Load CenterInverter #1 - #3PV Load CenterExteriorExteriorEst. 1-Way Dist (ft)MAX # Ungnd CondAC1Inverter #1 - #3PV Load CenterExteriorEMT Conduit52AC2PV Load CenterPV MeterExteriorEMT Conduit52AC3PV MeterAC DisconnectBurriedPVC Conduit4502AC4AC DisconnectMain ServiceExteriorEMT Conduit102 | Inverter #1 - #3PV Load CenterLocationExposureDist (ft)Ungnd CondInverter #1 - #3PV Load CenterExteriorFree Air10010CUCCTransition BoxInverters #1 & #2BurriedPVC Conduit258CUDC2Transition BoxInverters #1 & #2BurriedPVC Conduit258CUDC3PV String 2.2-2.3Inverters #2 & #3ExteriorFree Air7510CUCInverter #1 - #3PVInverters #2 & #3ExteriorFree Air7510CUInverter #1 - #3PV Load CenterExteriorExteriorEst. 1-Way Dist (ft)MAX # Ungnd CondMI1AC3PV MeterAC DisconnectBurriedPVC Conduit4502ALAC4AC DisconnectMain ServiceExteriorEMT Conduit102CU | $ \begin{array}{ c c c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c } \hline \begin{tabular}{ c c c c c } \hline \hline \begin{tabular}{ c c c c c c } \hline \hline \begin{tabular}{ c c c c c c c } \hline \hline \begin{tabular}{ c c c c c c c } \hline \hline \begin{tabular}{ c c c c c c c c } \hline \hline \begin{tabular}{ c c c c c c c c c c c c c c c c c c c$ | IndicationIndicationExposureDist (ft)Ungnd CondRatingSizeDC1PV String 1.1-1.3 & 2.1-2.2Transition BoxExteriorFree Air10010CU90° CAWG #10DC2Transition BoxInverters #1 & #2BurriedPVC Conduit258CU90° CAWG #10DC3PV String 2.2-2.3 & 3.1-3.3Inverters #2 & #3ExteriorFree Air7510CU90° CAWG #10DC3PV String 2.2-2.3 & 3.1-3.3Inverters #2 & #3ExteriorFree Air7510CU90° CAWG #10DC4PV String 2.2-2.3 & 3.1-3.3Inverters #2 & #3ExteriorFree Air7510CU90° CAWG #10DC5PV String 2.2-2.3 & 3.1-3.3Inverters #2 & #3ExteriorFree Air7510CU90° CAWG #10DC5PV String 2.2-2.3 & 3.1-3.3Inverters #2 & #3ExteriorFree Air7510CU90° CAWG #10DC5PV String 2.2-2.3 & 3.1-3.3Inverters #2 & #3ExteriorFree Air7510CU90° CAWG #10DC5PV String 2.2-2.3 & 3.3Inverters #2 & #3ExteriorFree Air7510CU90° CAWG #10TPV String 2.2-2.3 & 10PV ExteriorExteriorExteriorExteriorExteriorExteriorExteriorSizeTPV String 2.2-2.3 PV Load CenterPV MeterExteri | DC1PV String 1.1 - 1.3 & 2.1 - 2.2Transition Box ExteriorExteriorFree Air Free Air10010CU90° CAWG #10PV WireDC2Transition BoxInverters #1 & #2 & 2.1 - 2.2BurriedPVC Conduit258CU90° CAWG #10PV WireDC3PV String 2.2 - 2.3 & 3.1 - 3.3Inverters #2 & #3 & 8.3.1 - 3.3ExteriorFree Air7510CU90° CAWG #10PV WireDC3PV String 2.2 - 2.3 & 3.1 - 3.3Inverters #2 & #3 A.3.1ExteriorFree Air7510CU90° CAWG #10PV WireDC3PV String 2.2 - 2.3 & 3.1 - 3.3Inverters #2 & #3 A.3.1ExteriorFree Air7510CU90° CAWG #10PV WireDC4PV String 2.2 - 2.3 & 3.1 - 3.3Inverters #2 & #3 A.3.1ExteriorFree Air7510CU90° CAWG #10PV WireDC3PV String 2.2 - 2.3 & 3.1 - 3.3Inverters #2 & #3 A.3.1ExteriorFree Air7510CU90° CAWG #10PV WireDC3PV String 2.2 - 2.3 & 3.1 - 3.3Inverters #1 & #2MaxInternetInter |

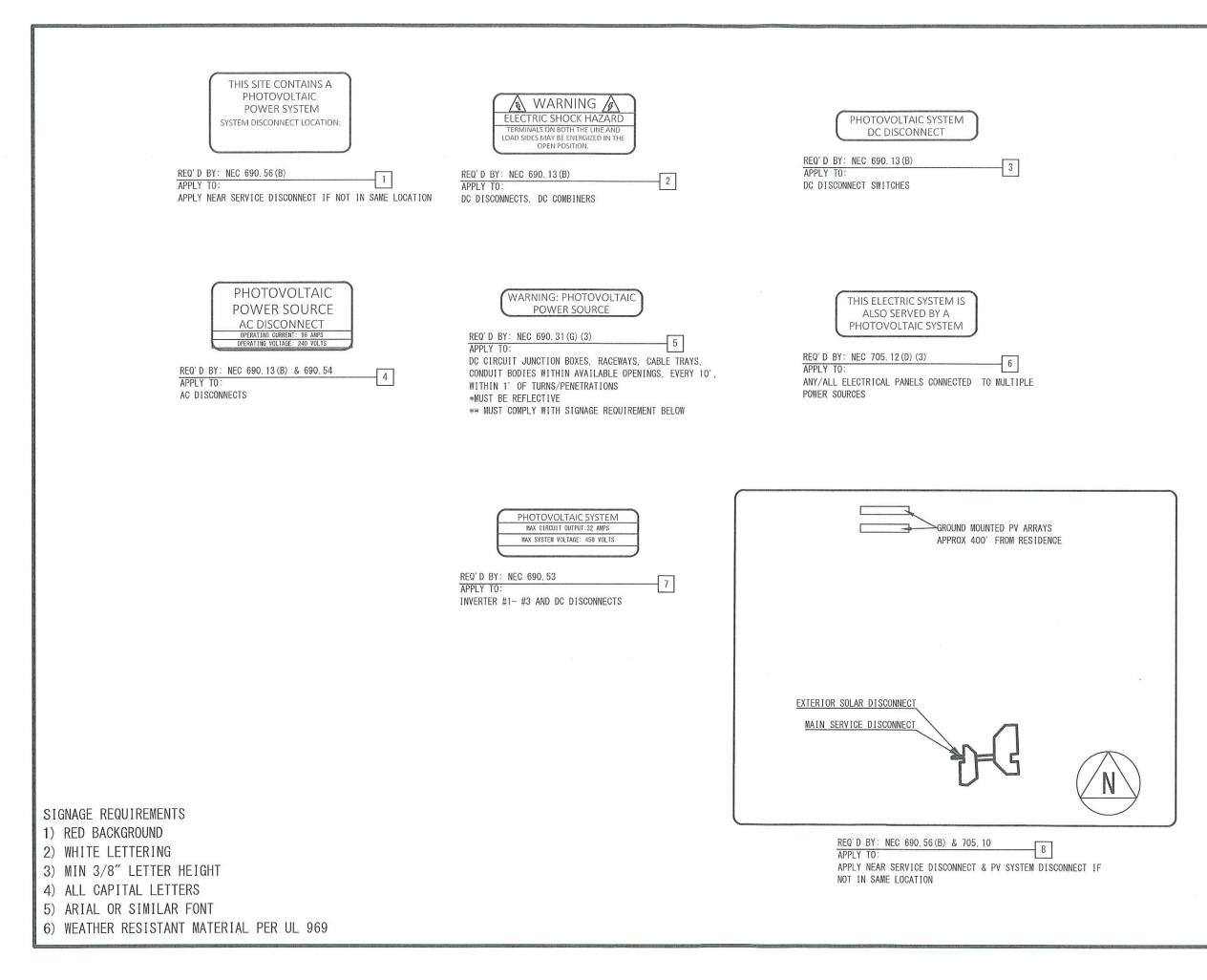
| MF | Tag | [| Rei | q. Conduct | or A | Ampacity | | Am | pacit | y Che | ck #1 | | | Conduc | tor Temperatu | e Drating | | Conduit | t Fill Derating | Co | rrecte | ed Ampaci | ty Ca | lculation | | | Ampac | city C | heck #2 | |
|----|-----|-------------------|-----|-------------------------|-------|---------------------|---|-------------------------|--------|-------|-------|------|------------------------------------|------------------------------|-----------------------------------|------------------------|--------------------------------|-------------------------|--------------------------------|---------------|--------|----------------|-------|----------------|---|---------------------------|-------|--------|--------------------|----------|
| | | lsc (Amps) | Х | 125% 690.8(A) (1) | х | 125% 690.8(B)(1) | = | Max C 690.8(B | | < | Cond. | Amps | Local 2% Avg. High Temp (°C) | Height Above Roof (in) | Temp Adder 310.15(B)(3) (c) | Operating Temp (°C) | Temp Derate 310.15(B)(2)(a) | # of Ungnd. Cond. | Fill Derate 310.15(B)(3)(a) | Cond. Amps | X | Temp Derate | x | Fill Derate | = | Derat Conduc Ampaci | tor | > | Max Cur 690.8(/ | |
| 1 | DC1 | 11.17 | х | 1.25 | x | 1.25 | = | 17.5 | A | < | 55 | A | 33 | 3. 5-12 | 0 | 33 | 0.96 | N/A | 1 | 55 | X | 0.96 | X | 1 | = | 52.8 | A | > | 13.96 | A |
| 1 | DC2 | 11.17 | Х | 1.25 | х | 1.25 | = | 17.5 | A | < | 40 | A | 33 | N/A | 0 | 33 | 0.96 | 8 | 0.7 | 40 | X | 0.96 | X | 0.7 | = | 26.9 | A | > | 13.96 | A |
| 1 | DC3 | 11.17 | х | 1.25 | Х | 1.25 | = | 17.5 | A | < | 40 | A | 33 | N/A | 0 | 33 | 0.96 | N/A | 1 | 40 | X | 0.96 | x | 1 | = | 38.4 | A | > | 13.96 | A |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MF | Tag | | Re | q. Conduct | tor / | Ampacity | L | An | npacit | y Che | ck #1 | L | | Conduc | tor Temperatu | e Drating | | Condui | t Fill Derating | | C | orrected | Ampac | ity | | | Ampao | city C | heck #2 | |
| | | Max AC Amps | x | 100% 690.8(A) (3) | X | 125% 690.8(B)(1) | = | Max <i>A</i> 690.8(B | | < | Cond. | Amps | Local 2% Avg. High Temp (°C) | Height Above Roof (in) | Temp Adder 310.15(B)(3) (c) | Operating Temp (°C) | Temp Derate 310.15(B)(2)(a) | # of Ungnd. Cond. | Fill Derate 310.15(B)(3)(a) | Cond. Amps | x | Temp Derate | x | Fill Derate | = | Derat Conduc Ampac | tor | > | Max Cu 690.8(| |
| 3 | AC1 | 32 | Х | 1 | х | 1.25 | = | 40.00 | A | < | 65 | A | 33 | N/A | 0 | 33 | 0.94 | 2 | 1 | 65 | X | 0.94 | x | 1 | = | 61.1 | A | > | 32 | A |
| 1 | AC2 | 96 | Х | 1 | х | 1.25 | = | 120.00 | A | < | 130 | A | 33 | N/A | 0 | 33 | 0.94 | 2 | 1 | 130 | X | 0.94 | x | 1 | = | 122.2 | A | > | 96 | A |
| 1 | AC3 | 96 | Х | 1 | Х | 1.25 | = | 120.00 | A | < | 310 | A | 33 | N/A | 0 | 33 | 0.94 | 2 | 1 | 310 | x | 0.94 | x | 1 | = | 291.4 | A | > | 96 | A |
| 1 | AC4 | 96 | х | 1 | Х | 1.25 | = | 120.00 | A | < | 130 | A | 33 | N/A | 0 | 33 | 0.94 | 2 | 1 | 130 | X | 0.94 | X | 1 | = | 122.2 | A | > | 96 | A |
| | | | | | | | | | | | | | | | L | | ļ | | | | | | - | | | | | | | <u> </u> |

| | Inverter I.D. | Inv 1 | Inv 2 | Inv 3 |
|----------|-------------------------------|--------|--------|--------|
| Inve | rter AC Power (kW): | 7.68 | 7.68 | 7.68 |
| | PV Power (kWstc): | 11.34 | 11.34 | 11.34 |
| | Modules Total Qty: | 28 | 28 | 28 |
| In | verter DC/AC Ratio: | 1.48 | 1.48 | 1.48 |
| | String Qty: | 1 | 1 | 1 |
| | String Length: | 10 | 10 | 10 |
| - | Max Open Circuit Voltage: | 458.79 | 458.79 | 458.79 |
| I NPUT 1 | Operating Voltage: | 373.90 | 373.90 | 373.90 |
| INI | Max Short Circuit Current: | 13.96 | 13.96 | 13.96 |
| | Operating Current: | 10.8 | 10.8 | 10.8 |
| | Max Input Power: | 4050 | 4050 | 4050 |
| | String Qty: | 1 | 1 | 1 |
| | String Length: | 9 | 9 | 9 |
| 2 | Max Open Circuit Voltage: | 412.91 | 412.91 | 412.91 |
| INPUT 2 | Operating Voltage: | 336.51 | 336.51 | 336.51 |
| INF | Max Short Circuit Current: | 13.96 | 13.96 | 13.96 |
| | Operating Current: | 10.8 | 10.8 | 10.8 |
| | Max Input Power: | 3645 | 3645 | 3645 |
| | String Qty: | 1 | 1 | 1 |
| | String Length: | 9 | 9 | 9 |
| 6 | Max Open Circuit Voltage: | 412.91 | 412.91 | 412.91 |
| NPUT 3 | Operating Voltage: | 336.51 | 336.51 | 336.51 |
| INI | Max Short Circuit Current: | 13.96 | 13.96 | 13.96 |
| | Operating Current: | 10.8 | 10.8 | 10.8 |
| | Max Input Power: | 3645 | 3645 | 3645 |

| | nary | System Sum | PV S | | | | | | |
|-----------|----------|----------------------|---------------------------|--|--|--|--|--|--|
|) Count | 84.0 | of Panels: | Number | | | | | | |
|) kWstc | 34.0 | DC Power: | Max | | | | | | |
| Volts D | 45.9 | 690.7(A): | Max Voltage per | | | | | | |
| Amps DC | 14.0 | D.8(A)(1): | Max Current per 69 | | | | | | |
| | nary | System Sum | AC : | | | | | | |
| Count | 3 | Inverters: | Number of | | | | | | |
| KW AC | 23.0 | AC Power: | Max | | | | | | |
| W/W | 1.48 | /AC Ratio: | DC, | | | | | | |
| Volts A | 240 | n Voltage: | Nominal System | | | | | | |
| Amps AC | 96 | D.8(A)(3): | Max Current per 69 | | | | | | |
| s | | le Specifi Hanwha | PV Modu Model Number:1 | | | | | | |
| | L-G10+ 4 | | moder Number . | | | | | | |
| | lbs | 48.5 | Weight: | | | | | | |
| 1.26 (in) | | | Dimensions: | | | | | | |
| | Watts | 405 | Power @ STC: | | | | | | |
| DC | Volts DC | 45.34 | Voc: | | | | | | |
| DC | Volts DC | 37.39 | : qmmV | | | | | | |
| | Amps | 11.17 | lsc: | | | | | | |
| | Amps | 10.83 | : Immp | | | | | | |
| | %/° C | -0.027 | Voc Temp Coeff: | | | | | | |
| | %/° C | 0.04 | Isc Temp Coeff: | | | | | | |
| | Amps | 20 | Max Fuse Rating: | | | | | | |

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|--|-----------------------------|---|--------------------|-----|
| | | sîng | | 6 |
| | ATHEN (740) | . UNION ST. S, OH 45701 249-4533 osingsolar.co | | |
| | PROJECT: | | 5111 | |
| | | GEN, ANN | | |
| | | LOCUST HILL R | D | |
| | CINCINN | ATI, OH 45245 | | |
| | JOB NUMBER: | | | |
| | | 25817 | | |
| | PROJECT DETAILS: | | | |
| | 34.02 kWs ⁻ | tc, 23.04 kW | AC | |
| | ENGINEERING APPROV | AL: | | |
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| | SHEET TITLE: | | | |
| | ELECTI | RICAL CALCS | | |
| | SHEET NUMBER: | | | |
| | | E2.0 | | |
| | | | | |
| | SHEET SIZE: ANSI B (17.0 | 0 X 11.00 IN | CHE | S) |
| | | VISIONS | | |
| | Description | Date | Int | Rev |
| | ORIGINAL | 01/02/24 | KB | 0 |
| | REV. A | 01/11/24 | KB | 1 |
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| et | 2010212 | 5(B)(16) |
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| 1 | 55 | Amps |
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| | IS, OH 45701 | | | | | | | | | | | |
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| PROJECT: | GGEN, ANN | - | | | | | | | | | | |
| 763 OLD LOCUST HILL RD | | | | | | | | | | | | |
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| CINCINNATI, OH 45245 | | | | | | | | | | | | |
| JOB NUMBER: | | | | | | | | | | | | |
| | 25817 | | | | | | | | | | | |
| | 20017 | | | | | | | | | | | |
| PROJECT DETAILS: | | | | | | | | | | | | |
| PROJECT DETAILS: 34.02 kWstc, 23.04 kW AC | | | | | | | | | | | | |
| ENGINEERING APPROV | A1. | | | | | | | | | | | |
| ENGINEERING APPROV | AL: | | | | | | | | | | | |
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| SHEET NUMBER: | | | - | | | | | | | | | |
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| SHEET SIZE: | | | | | | | | | | | | |
| ANSI B (17.0 | 0 X 11.00 IN | CHE | S) | | | | | | | | | |
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| RE | VISIONS | | | | | | | | | | | |
| Description | Date | Int | Rev | | | | | | | | | |
| ORIGINAL | 01/02/24 | KB | 0 | | | | | | | | | |
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Q.PEAK DUO BLK ML-G10+ SERIES



MODEL O NEARDUO ALS MUSING



Breaking the 20% efficiency barrier

bacsty modero all econy up to 20 E%.

Enduring high performance

Extreme weather rating

and temperature a drawout

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The most thorough testing

programme in the industry

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And PED Technology/ and Hau Spot Protect

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Innovative all-weather technology

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most comprehensive markly programmed in the industry. The

now "Quality Controlled PV" of the independent constrainers

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A reliable investment

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inclusive 25 year broched, winterly with 25-year lifeer

Long-term yield semilly each Anti Let O. Technology

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Warranty

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Q.PEAK DUO BLK ML-G10+ SERIES

Mechanical Specification

| Format | M.D.e. e. Athene 4. Diversion in proceeding thereast dEER and a VLAS area + 20 ments |
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| Baris Coler | Ctarian war Bitt |
| Firme | 語[HD: BYDGEGEI出:#*#1]b;** |
| Cell | N = 22 the new parality of she Trible with the time |
| Junction bak | 2 (5 3 99) A + 125-2 (5 A + 1159-0 Å) ((5 5 10) A + 1250 D m + 15 (B and 1007) with the end of some |
| Cable | 4 mm ² Schaft einemer (n +49.3 m 1925/3 mm) (n) (#42.2 m) (#22.2 mm) |
| Connector | Weider MC # 1154 |



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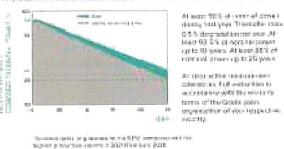
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| Open Circuit Wotnpet | Å.1 | IVI | 4539 | 4523 | 博覽 |
| Current in MPP. | Lar | [A] | 10.59 | 10.65 | 54 |
| Voltage et Mine | t _{et i} | [V] | 96.90 | 36.63 | 21 |
| Dillenry | τ. T | [² 1] | E13 B | - TH 14 | ÷. |

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| Pawe: at MPP | | DVI. | 2H6,6 | 292.6 | 23 |
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| Shart Circuit Cumuni | 1. | n | 6 90 | 自.公司 | 1 |
| Open Onull Writing# | Ver | W] | 4262 | 02.50 | 4 |
| Current at MPP | l _{am} . | [2] | 0.35 | 6.4] | 1 |
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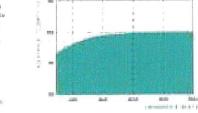
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GCOM PERFORMANCE WARRANTY



PERFORMANCE AT LOW IRRADIANCE

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| TEMPERATURE COOPFICIENTS | | | | |
|-----------------------------------|-----|---------|-----------|--|
| Temperature Coefficient of la | FT. | (WH | 16.64 | Temperature Configuration Ver |
| Territerature Coefficient of Pass | ŕ | (7%) HI | - [] Juli | Nominal Module Operating Designmentative |

Properties for System Design

| Maaimuse System Visitope | V ERE | V | CONCOURAGE | Py montain classification |
|-----------------------------|--------------|---------|------------------------------|-------------------------------------|
| Masimure Series Fuse Rating | | គ្រប់ផ្ | 10 | Fee Balling based on ANSI/ UL 61730 |
| Mak: Design Lotd, Fuch Par | | (IIE/1 | (15.3100円)(13.010円)(13.010円) | Permitted Wooking Terreture |
| Max. Test Load. Path (Pull | | 116.011 | 119 ENDORSH MILLOOPER | on Configurate Duty |
| tare out a strang that the | | | | |

Qualifications and Certificates

LA GIDA IS-CLEMENT Gradin Controlled PV - TOP Pressanti. GET ESPICIUM, IEC AUSTRALIUS. U.S. Parent Hu M 2005/211 (anistratiu









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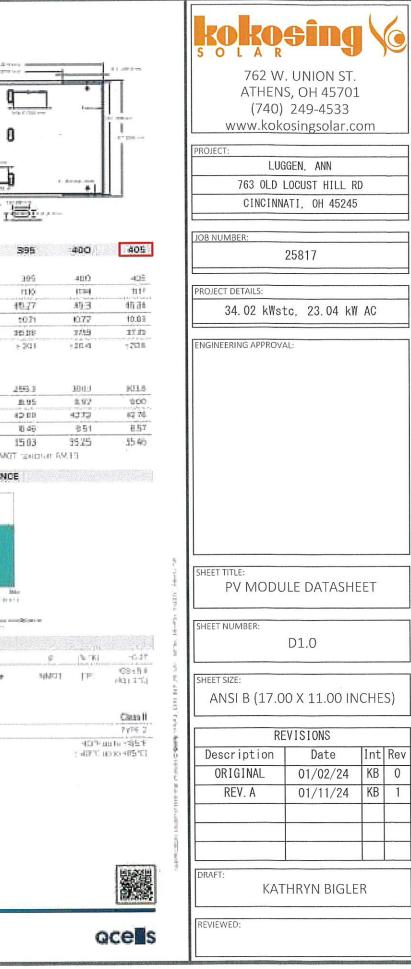


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The ideal solution for:

Receive arrays on anu residential huldhage



SUNNY BOY 3.0-US / 3.8-US / 5.0-US / 6.0-US / 7.0-US / 7.7-US





- shutdown Advanced AFCI compliant to UL 1699B for arc fault protection
 - Advanced communication
 - interface with fewer components creates 50% faster setup and commissioning
- Equipped with SMA Smart · Reduced component count provides Connected, a proactive service solution that is integrated into

Sunny Portal

SUNNY BOY 3.0-US / 3.8-US / 5.0-US / 6.0-US / 7.0-US / 7.7-US

maximum system reliability

Power with a purpose

The residential PV market is changing rapidly. Your bottom line matters more than ever-so we've designed a superior residential solution to help you decrease costs at every stage of your business operations. The Sunny Boy 3.0-US/3.8-US/5.0-US/6.0-US/7.0-US/7.7-US join the SMA lineup of field-proven solar technology backed by the world's #1 service team. This improved residential solution features ShadeFix, SMA's proprietary technology that optimizes system performance. ShadeFix also provides superior power production with a reduced component count versus competitors, which provides maximum reliability. No other optimized solution generates more power or is as easy as systems featuring SMA ShadeFix and SunSpec certified devices. Finally, SMA Smart Connected will automatically detect errors and initiate the repair and replacement process so that installers can reduce service calls and save time and money.

www.SMA-America.com

| Technical data | | oy 6.0-US | Sunny Boy 7.0-US | | |
|---|----------------|------------------|---|-----------------|--|
| | 208 V | 240 V | 208 V | 240 V | |
| Input (DC) | | | | | |
| Max. PV power | 960 | 0 Wp | | 00 Wp | |
| Max. DC Voltage | | | | 0 V | |
| Rated MPP Voltage range | 220 - | 480 V | | 480 V | |
| MPPT operating voltage range | | | | 550 V | |
| Min. DC voltage / start voltage | | | | / 125 V | |
| Max. operating input current per MPPT | | | | A | |
| Max. short circuit current per MPPT | | | 11 | 3 A | |
| Number of MPPT tracker / string per MPPT tracker | | | 3 | /1 | |
| Output (AC) | | | | | |
| AC nominal power | 5200 W | 6000 W | 6660 W | 7000 W | |
| Max. AC apparent power | 5200 VA | 6000 VA | 6660 VA | 7000 VA | |
| Nominal voltage / adjustable | 208 V / • | 240 V / • | 208 V / • | 240 V / • | |
| AC voltage range | 183 - 229 V | 211 - 264 V | 183 - 229 V | 211 - 264 V | |
| AC grid frequency | | | 60 Hz | / 50 Hz | |
| Max. output current | 25.0 A | 25.0 A | 32.0 A | 29.2 A | |
| Power factor (cos φ) / harmonics | | | 1/- | < 4 % | |
| Output phases / line connections | | | 1 | /2 | |
| Efficiency | | | | | |
| Max. efficiency | 97.3 % | 97.7% | 97.3 % | 97.9 % | |
| CEC efficiency | 96.5 % | 97.0 % | 96.5 % | 97.0 % | |
| Protection devices | 10.0 10 | 771070 | | | |
| DC disconnect devices / DC reverse polarity protection | | | | /• | |
| Ground fault monitoring / Grid monitoring | | | | | |
| AC short circuit protection | | | | | |
| All-pole sensitive residual current monitoring unit (RCMU) | | | 2 | | |
| Arc fault circuit interrupter (AFCI) | | | | | |
| Protection class / overvoltage category | | | - 1 | 'IV | |
| General data | | | 17 | | |
| | | | 535 x 730 x 198 | 121 1 20 5 7 | |
| Dimensions (W / H / D) in mm (in) | | | 600 x 800 x 300 (| | |
| Packaging Dimensions (W / H / D) in mm (in) | | | | / 30 kg (66 lb) | |
| Weight / packaging weight | | | -25°C+60°C | | |
| Temperature range: operating / non-operating | | | | A 3R | |
| Environmental protection rating | 20 | | INEW | IA JK | |
| Noise emission (typical) | 390 | B(A) | | 5W | |
| Internal power consumption at night | | | | transfa | |
| Topology / cooling concept | transformeries | ss / convection | | Iransia | |
| Features | | | | 0 | |
| Ethernet ports | | | | 2 | |
| Secure Power Supply | | | | | |
| Display (2 x 16 characters) | | | | • | |
| 2.4 GHz WLAN / External WLAN antenna | | | | /0 | |
| ShadeFix technology for string level optimization | | | | • | |
| Cellular (4G / 3G) / Revenue Grade Meter | | | | /0** | |
| Warranty: 10 / 15 / 20 years *** | 10.1741.10 | 1741 64 1 4 64 0 | | | |
| Certificates and approvals | | | ule 21 RSD, UL 1998, 07.1-1, HECO Rule 1 | | |
| Standard features O Optional features – Not available | 1.1 | | | a la bana | |

POWER+ SOLUTION

The SMA Power+ Solution combines legendary SMA inverter performance and SunSpec certified shutdown devices in one cost-effective, comprehensive package. In addition, SMA ShadeFix technology optimizes power production and provides greater reliability than alternatives.

This rapid shutdown solution fulfills UL 1741, NEC 2014, and NEC 2017 requirements and is certified to the power line-based SunSpec Rapid Shutdown communication signal over DC wires, making it the most simple and cost-effective rapid shutdown solution on the market.

Visit www.SMA-America.com for more information.



| Technical data | Sunny Boy 6.0-US | Sunny Boy 7.0-US | Sunny Boy 7.7-US | |
|--|--|---|---|-------------------------------|
| | 208 V 240 V | 208 V 240 V | 208 V 240 V | 762 W. UNION ST. |
| Input (DC) | 9600 Wp | 11200 Wp | 12320 Wp | |
| Max. PV power Max. DC Voltage | 9800 Wp | 600 V | 12320 WP | ATHENS, OH 45701 |
| Rated MPP Voltage range | 220 - 480 V | 245 - 480 V | 270 - 480 V | (740) 249-4533 |
| MPPT operating voltage range | 120 400 1 | 100 - 550 V | | www.kokosingsolar.com |
| Min. DC voltage / start voltage | | 100 V / 125 V | | www.kokosingsolar.com |
| Max. operating input current per MPPT | | 10 A | | DROUGCT: |
| Max. short circuit current per MPPT | | 18 A | | PROJECT: |
| Number of MPPT tracker / string per MPPT tracker | | 3/1 | | LUGGEN, ANN |
| Output (AC) | | | | 763 OLD LOCUST HILL RD |
| AC nominal power | 5200 W 6000 W | 6660 W 7000 W | 6660 W 7680 W | |
| Max. AC apparent power | 5200 VA 6000 VA | 6660 VA 7000 VA | 6660 VA 7680 VA | CINCINNATI, OH 45245 |
| Nominal voltage / adjustable | 208 V / • 240 V / • | 208 V / • 240 V / • | 208 V / • 240 V / • | |
| AC voltage range | 183 - 229 V 211 - 264 V | 183 - 229 V 211 - 264 V 60 Hz / 50 Hz | 183 - 229 V 211 - 264 V | |
| AC grid frequency Max. output current | 25.0 A 25.0 A | 32.0 A 29.2 A | 32.0 A 32.0 A | JOB NUMBER: |
| Power factor (cos φ) / harmonics | 23.0 A 23.0 A | 1/<4% | | 25817 |
| Output phases / line connections | | 1/2 | | |
| Efficiency | | 1.245 - 40.0115 | | |
| Max. efficiency | 97.3 % 97.7 % | 97.3 % 97.9 % | 97.3 % 97.5 % | PROJECT DETAILS: |
| CEC efficiency | 96.5 % 97.0 % | 96.5 % 97.0 % | 96.5 % 97.0 % | 34.02 kWstc, 23.04 kW AC |
| Protection devices | | | | 04. 02 MISLO, 23. 04 MI AU |
| DC disconnect device / DC reverse polarity protection | | •/• | | |
| Ground fault monitoring / Grid monitoring | | • | | ENGINEERING APPROVAL: |
| AC short circuit protection | | • | | |
| All-pole sensitive residual current monitoring unit (RCMU) | | • | | |
| Arc fault circuit interrupter (AFCI) | | 1/1V | | |
| Protection class / overvoltage category General data | | 1710 | | |
| Dimensions (W / H / D) in mm (in) | | 535 x 730 x 198 (21.1 x 28.5 x 7.8) | | |
| Packaging Dimensions (W / H / D) in mm (in) | | 600 x 800 x 300 (23.6 x 31.5 x 11.8) | | |
| Weight / packaging weight | | 26 kg (57 lb) / 30 kg (66 lb) | | |
| Temperature range: operating / non-operating | | -25°C+60°C / -40°C+60°C | | |
| Environmental protection rating | | NEMA 3R | | |
| Noise emission (typical) | 39 dB(A) | 45 0 | JB(A) | |
| Internal power consumption at night | | < 5 W | | |
| Topology / cooling concept | transformerless / convection | transforme | erless / fan | |
| Features | | | | |
| Ethernet ports | | 2 | | |
| Secure Power Supply | | • | | |
| Display (2 x 16 characters) | | • | | |
| 2.4 GHz WLAN / External WLAN antenna | | •/o | | |
| ShadeFix technology for string level optimization Cellular (4G / 3G) / Revenue Grade Meter | | 0/0** | | |
| Warranty: 10 / 15 / 20 years *** | | •/0/0 | | SHEET TITLE: |
| A THE REPORT AND A DECIMAL AND A | UL 1741, UL 1741 SA incl. CA Rul | e 21 RSD, UL 1998, UL 1699B Ed. 1, IEE | E1547, FCC Part 15 (Class A & B), | INVERTER DATASHEET |
| Certificates and approvals | | 7.1-1, HECO Rule 14H, PV Rapid Shutda | | |
| Standard features O Optional features – Not available NOTE: US inverters ship with gray lids. Data at nominal con Type designation | ditions * Not compatible with SunSpec shut SB6.0-1SP-US-41 / SB6.0-1TP-US-41 | down devices **Standard in SBX.X-1TP-US- SB7.0-1SP-US-41 / SB7.0-1TP-US-41 | 41 SB7.7-1SP-US-41 / SB7.7-1TP-US-41 | SHEET NUMBER: D2.0 |
| OWER+ SOLUTION | | | | SHFFT SIZE: |
| e SMA Power+ Solution combines | legendary SMA inverter | | | |
| rformance and SunSpec certified s | | | | ANSI B (17.00 X 11.00 INCHES) |
| | | | | |
| st-effective, comprehensive packag | ge. In addition, SMA | | A CONTRACTOR OF | |
| adeFix technology optimizes powe | ar production and provid | A S | 2 | REVISIONS |
| | er production and provid | | | Description Date Int Rev |
| eater reliability than alternatives. | | | Rapid Shutdown | |
| | 1741 NEC 0014 | | | ORIGINAL 01/02/24 KB 0 |
| s rapid shutdown solution fulfills UL | 1/41, NEC 2014, and | | | REV. A 01/11/24 KB 1 |
| C 2017 requirements and is certifi | ed to the power line-base | d II 🔨 II 🛛 | CERTIFIED | NLV. A 01/11/24 ND 1 |
| | • | | GERTIFIED | |
| nSpec Rapid Shutdown communice | the state of the s | | Parente of the second of | |
| king it the most simple and cost-effe | ective rapid shutdown | | and the second se | |
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| ution on the market. | | a second | | L |
| the second secon | more information | | 85-86 | DRAFT: |
| sit www.SMA-America.com for | more information. | | Reality And And | KATHRYN BIGLER |
| | | and the second second | | |
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WHAT MAKES THE GROUND SCREW FOUNDATION SO CAPABLE?

HARD SOILS

Hard soils are why ground screws were designed. The forged tip and heavy duty steel tube allow for thousands of pounds of downforce and turning torque to be applied to the screw. This amount of torque and downforce allows rocks and cobbles to be pushed out of the way during installation

SOLID ROCK

Ground screws can be installed into solid rock. By utilizing the method of drilling a pilot hole and adding some gravel backfill. The ground screws are securely installed into the pilot hole using the threads of the screw and the gravel backfill then locks them into the solid rock

SANDY SOILS

The granular structure of sand has poor friction value making it hard for driven piles to perform well. However, the shape and threads of a ground screw displace and compact the sand around it when installed. This helps interlock the sand together and provides excellent holding power of the screw threads

HEIGHT ADJUSTMENT

Posts can be adjusted to the perfect height by simply raising or lowering the top post in or out of the screw. To secure the top post, simply tighten the three set screws

SHALLOW INSTALL

The ground screws can be installed as shallow as 30" depending on the soil. This allows for less chances of hitting underground obstructions

| Diameter | Overal | I Length | | |
|----------|--------|----------|-----|-----|
| 2.35" | 40" | 61" | 73" | 85" |
| 3.00" | 40" | 61" | 73" | 85" |
| 3.50" | 40" | 61" | 73" | 85" |
| 4.00" | 61" | 73" | 85" | |
| 4.50" | 61" | 73" | 85" | |

SET SCREW OR FLANGE CONNECTION

Ground screws can be manufactured with a set of three screw nuts or a flange welded to the top of the post. The set screws and flange options allow the screws to be used with fixed tilt, tracking and other solar mounting applications





Racking Material: High Strength Steel Corrosion Resistance: Galvanized; G90 Higher coatings as required Snow Load: Up to 100psf Wind Load: Up to 140mph Tilt Angle: 20, 25, 30, 35 Degrees Anchor Depth: Design based on soil type and frost line

Building Code Compliant: IBC 2015 PE Stamped Drawings: APA drawings can be approved for all 50 states and territories, with PE stamped letters **PRE-ENGINEERED**

The racking is pre-engineered with PE stamped engineering and manufactured with hole patterns for 20°, 25°, 30°, and 35° tilt angles

CUSTOMIZABLE ROW LENGTHS

Our racking is capable of accommodating any row length. Solar modules can be added in increments of two modules, allowing you to match the system size to your projects needs



419.267.5280 // SALES@APALTERNATIVES.COM

| NESTALLER FRIENDLU Steek and strong, our Cee Channel accommodates varying posts heights, spans, tilts, and allows adjustments in the field | FROMESSING Image: Constant of the state of the sta |
|--|--|
| | SHEET TITLE: RACKING DATASHEET |
| NO WAIT TIME Once the helical anchors are installed you can build on them immediately, no waiting for concrete to set up or | SHEET NUMBER: D3.0 SHEET SIZE: ANSI B (17.00 X 11.00 INCHES) |
| holes to be inspected | REVISIONS Description Date Int Rev |
| | |

WEIGHT Helical anchors create a cone of weight that allows them to resist large pullout forces at shallow depths

SOIL CONE

GROUND

FROST LINE

 REVISIONS

 Description
 Date
 Int
 Rev

 ORIGINAL
 01/02/24
 KB
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 REV.A
 01/11/24
 KB
 1

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REVIEWED:

Dimensional Variance: 917 Belmont Blvd (282807A292.)

Summary: An application for a dimensional variance(s), per Article 4 Residential Zoning Districts and Use Regulation, to construct a detached garage outside of a rear yard. Article 4.05-1 states that states, "*Detached Accessory Garages or Other Buildings are permitted in the rear yard only*."

Owner/Applicant: Ronald J & Peggy A Boehl

Property Location: 917 Belmont Boulevard Pierce Township, Ohio 45245 (272812A121.)

Property Profile:

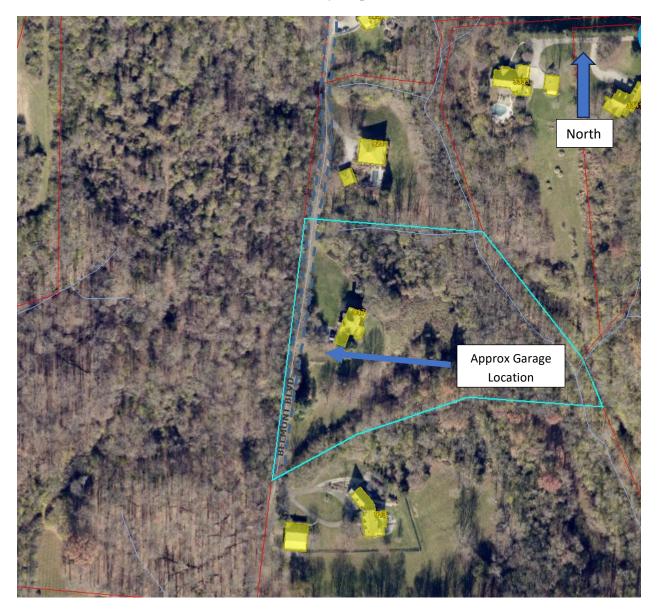
Acreage: 5.72 acres

Current Use: Residential

Zoning: Single Family Residential (SFR)

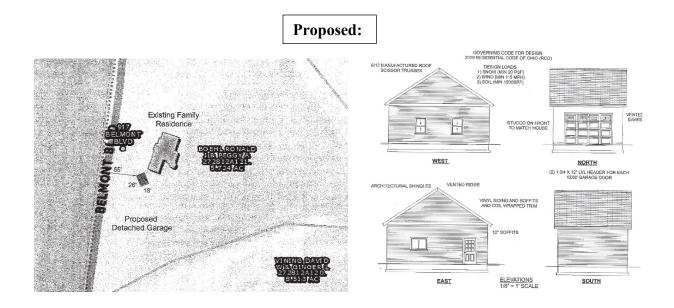
Prepared By: Eddie F. McCarthy, Director of Community Development and Planning

Action Required: The BZA shall make a decision on the variance application in accordance with 3.08: Variances B) 2).



Vicinity Map:

Proposal: Construct a 468 sq. ft (26'X18') detached garage in the front yard of a residential property.



Existing:



Staff Analysis and Recommendation:

Summary - Action: The Board of Zoning Appeals will need to consider the proposal to construct a 468 sq. ft (26'X18') detached garage in the front yard. Article 4.05-1 states that states, "*Detached Accessory Garages or Other Buildings are permitted in the rear yard only.*"

Based on staff's review, placing the garage in the front yard may be approved:

- There do appear to be unique circumstances on this property, as the site has a significant grade decline in the rear yard. The grade change is estimated around 21% per GIS.
- The topography challenge is not the result of actions of the applicant.
- Character is unlikely to be affected. The neighboring properties to the north and south have garages located in the front yard(s).

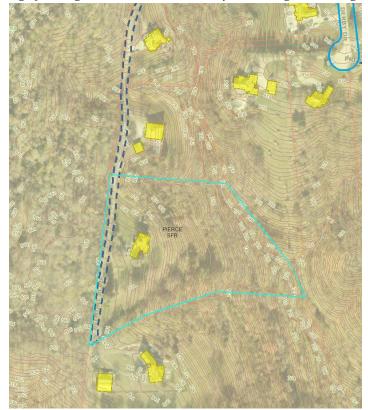
Staff Analysis:

Staff has reviewed the proposal (Dated March 5, 2024) in accordance with 3.08: Variances B) 2), specifically:

The following factors shall be considered and weighed by the BZA to determine practical difficulty:

(a) Whether special conditions and circumstances exist which are peculiar to the land or structure involved and which are not applicable generally to other lands or structures in the same zoning district; examples of such special conditions or circumstances are: exceptional irregularity, narrowness, shallowness or steepness of the lot, or adjacency to nonconforming and inharmonious uses, structures or conditions;

Staff Comment: *There do appear to be unique circumstances on this property, as the site has a significant grade decline in the rear yard. The grade change is estimated around 21% per GIS.*



(b) Whether the property in question will yield a reasonable return or whether there can be any beneficial use of the property without the variance;

Staff Comment: *The property may continue as a residence in the absence of an approval.*

(c) Whether the variance is substantial and is the minimum necessary to make possible the reasonable use of the land or structures;

Staff Comment: *The request appears to be the minimum necessary.*

 (d) Whether the essential character of the neighborhood would be substantially altered or whether adjoining properties would suffer substantial detriment as a result of the variance;

Staff Comment: *Character is unlikely to be affected. The neighboring properties to the north and south have garages located in the front yard(s). Neighboring site, below.*



(e) Whether the variance would adversely affect the delivery of governmental services including, but not limited to water, sewer, police and fire protection, trash pickup;

Staff Comment: No effect

(f) Whether special conditions or circumstances exist as a result of actions of the owner;

Staff Comment: The topography challenge is not the result of actions of the applicant.

(g) Whether the property owner's predicament can feasibly be obviated through some method other than a variance;

Staff Comment: *The proposal appears to be the most rational solution.*

(h) Whether the spirit and intent behind the zoning requirement would be observed and substantial justice done by granting a variance; and

> **Staff Comment:** The applicant's request does appear meet the spirit and intent of the Resolution. The structure proposed is proposed in a similar manner to the neighboring property at 921 Belmont Boulevard, who appear to share similar topographical constraints.

(i) Whether the granting of the variance requested will confer on the applicant any special privilege that is denied by this regulation to other lands, structures, or buildings in the same district.

Staff Comment: The applicant would not appear to be obtaining a special privilege as a result of this variance. Effectively, most every property in the vicinity shares the same constraints but they also have a detached garage.

No single factor listed above may control, and not all factors may be applicable in each case. Each case shall be determined on its own facts.

Staff Recommendation and Board of Zoning Appeals Decision:

Upon review of the foregoing, staff has determined that the literal enforcement of this resolution will not result in practical difficulty in accordance with 3.08 of the Zoning Resolution.

Staff recommends that the Board of Zoning Appeals consider approval of the foregoing application in accordance with 3.08: Variances B) 2).

Determination(s):

3.08: Variances

A) Review Procedure The review procedure for variances shall be as follows:

1) Step 1 – Application

(a) An application for variance may be made by the person having legal authority, including an authorized agent, or by a governmental officer, department, board or bureau. (b) The completed

application shall include a copy of maps, data, and any other requirements specified in Section3.04 (Common Review Requirements) and shall be submitted to the Zoning Inspector.(c) Each application shall be signed by the owners, or the authorized agent for the owner, attesting to the truth and correctness of all facts and information presented with the applications.(d) The Zoning Inspector shall transmit a copy of the application to the BZA.

2) Step 2 – Public Hearing with the Board of Zoning Appeals

(a) The BZA shall fix a reasonable time for the public hearing on the variance application, give at least 10 days of notice in writing to the owner and owners of adjoining properties, and give notice of such public hearing by one publication in one or more newspapers of general circulation in the County at least 10 days before the date of such hearing.

(b) At the hearing, the BZA may continue the hearing in order to obtain additional information or to cause further notice, as it deems proper to be substantially interested in said variance application. In the case of a continued hearing, persons previously notified and persons already heard need not be notified of the time of resumption of said hearing unless the BZA so decides.

3) Step 3 – Decision

(a) Within 30 days after the hearing concludes (Step 2), the BZA shall make a decision on the variance application.

(b) A certified copy of the BZA's decision shall be transmitted to all parties in interest. Such decision shall be binding upon the Zoning Inspector who shall incorporate the terms and conditions of the decision in the permit to the applicant or appellant, whenever the BZA authorizes a zoning permit.

(c) Failure to comply with the conditions of a decision shall be deemed a violation of this zoning resolution.

(d) Any party adversely affected by a decision of the BZA may appeal the decision to the Clermont County Court of Common Pleas.

B) Review Criteria

1) The BZA shall have the power to authorize upon appeal in specific cases, filed as hereinbefore provided, such variances from the provisions or requirements of this resolution as will not be contrary to the public interest. Where an applicant seeks a variance, said applicant shall be required to supply evidence that demonstrates that the literal enforcement of this resolution will result in practical difficulty for an

area/dimensional variance or unnecessary hardship for a use variance. The following factors shall be considered and weighed by the BZA.

2) Area/Dimensional Variance

The following factors shall be considered and weighed by the BZA to determine practical difficulty:

(a) Whether special conditions and circumstances exist which are peculiar to the land or structure involved and which are not applicable generally to other lands or structures in the same zoning district; examples of such special conditions or circumstances are: exceptional irregularity, narrowness, shallowness or steepness of the lot, or adjacency to nonconforming and inharmonious uses, structures or conditions;

(b) Whether the property in question will yield a reasonable return or whether there can be any beneficial use of the property without the variance;

(c) Whether the variance is substantial and is the minimum necessary to make possible the reasonable use of the land or structures;

(d) Whether the essential character of the neighborhood would be substantially altered or whether adjoining properties would suffer substantial detriment as a result of the variance;

(e) Whether the variance would adversely affect the delivery of governmental services including, but not limited to water, sewer, police and fire protection, trash pickup;

(f) Whether special conditions or circumstances exist as a result of actions of the owner;

(g) Whether the property owner's predicament can feasibly be obviated through some method other than a variance;

(h) Whether the spirit and intent behind the zoning requirement would be observed and substantial justice done by granting a variance; and

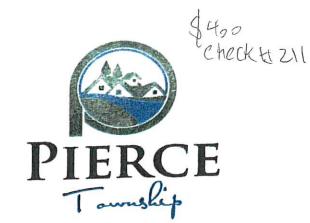
(i) Whether the granting of the variance requested will confer on the applicant any special privilege that is denied by this regulation to other lands, structures, or buildings in the same district.

No single factor listed above may control, and not all factors may be applicable in each case. Each case shall be determined on its own facts.

BOARD OF TRUSTEES Allen M. Freeman Nicholas J. Kelly Peter J. Kambelos, MD

Fiscal Officer Debbie S. Schwey

Administrator M. Tim Williams



950 Locust Corner Road Cincinnati, Ohio 45245

(513) 752.6262 Fax # (513) 752.8981 www.piercetownship.org

20051639-2024

PIERCE TOWNSHIP ZONING OFFICE

Appeal No. BZA2024-002

Appeal from Decision of Zoning Inspector

Or

Request for Variance

Appeal and \$400.00 fee filed With Zoning Inspector On 2/29/24

NOTICE: This appeal must be typewritten or printed and must be filled within thirty (30) day of the date of the decision being appealed.

TO THE PIERCE TOWNSHIP BOARD OF ZONING APPEALS

1. Danie Name Rol Suite 105 men Phone Number 45236 Address at Hereby requests the Board of Zoning Appeals to authorize issuance of a Zoning Certificate for: na aaraci Sel m being no ru. soss

Or grant a variance on the property described herein.

Attached hereto is a copy of the decision rendered by the Zoning Inspector.

2. Applicant is

Capacity in which you appear

Jenera

Selmont and is known as No. 272812A121 Blvd Side of ⇒917

State name of plot and lot number therein or amount of acreage, Section, Town, and Range number thereof:

510-R Single tamily, 5.72 Acres, ParJD 272812A121, riple Crown Estates, lot 27 Replat, Preice Tup, histman F SO

- 3. State the section or sections of the Zoning Resolution under which it is claimed this application or appeal may be granted: <u>4,05</u>, F3,
- 4. State fully the facts on which this application or appeal is based. (Attach additional sheets if necessary.)

not possible in side 07 neigh low uns Al m and + 1AT Shanny stree

5. Give names and addresses of the owners of all abutting lots or property as well as those on the other

side of the street, or streets, immediately opposite said property: <u>913 Belmont Blvd</u> <u>- David W+Ginger LVining</u>, <u>925 Belmont Blvd</u>-<u>Michael+Kelly-Scavo</u>, <u>3333 Derbry Dr. - Darlene</u> <u>Steffen</u>

6. Is there any case pending in court or summons involving the use of the premises or the ownership

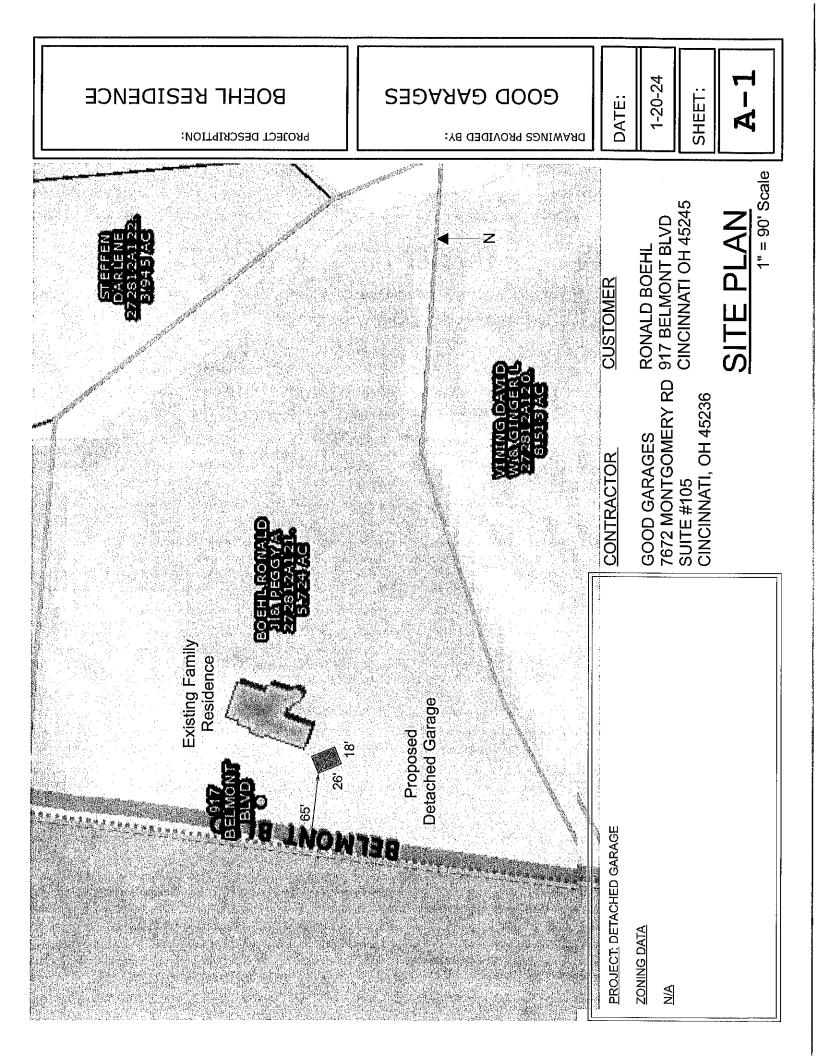
thereof?

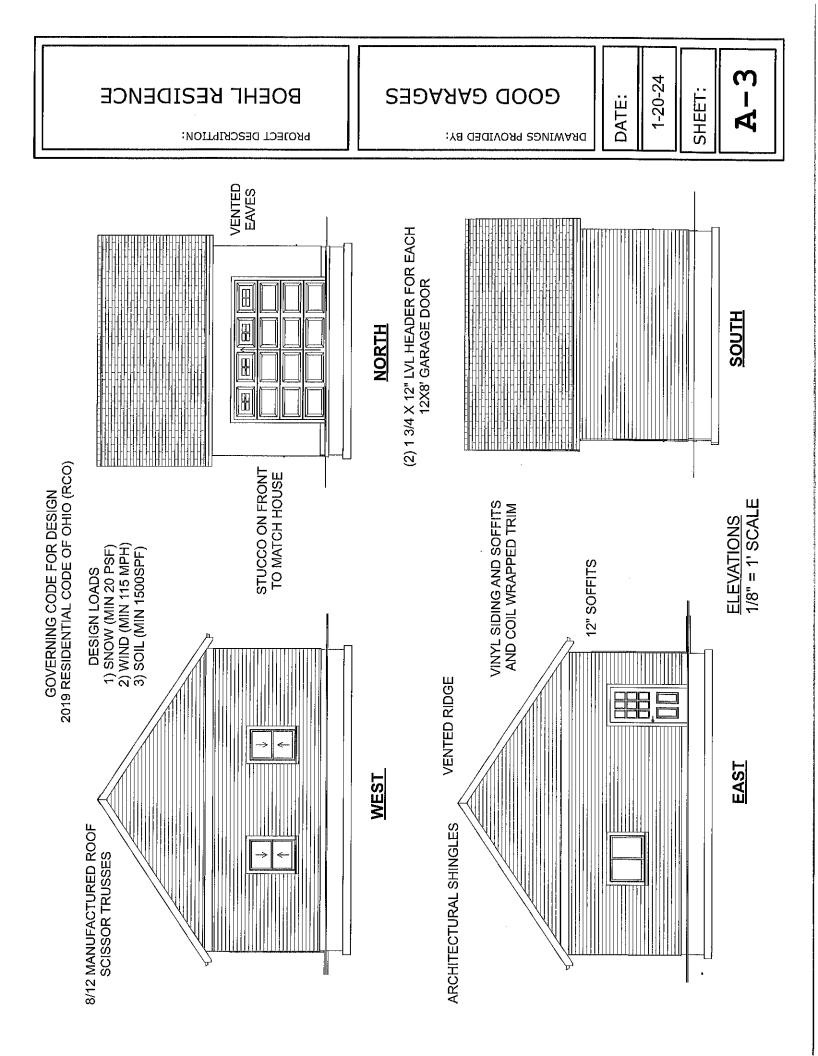
Yes

No_____if yes, please explain:

| - · · K en 7. | Are there any restrictive covenants, any restrictions of record by deed or otherwise, which would prevent the proposed use of the premises? Yes No If yes, what are they? |
|-------------------------|--|
| 8. | Is there any petition pending to change the zoning regulations affecting these premises? Yes No proposed change |
| 9. | Has any previous application or appeal been filed in connection with these premises? Yes No if yes, when? |
| | Attach a plot layout, drawn to scale, showing the actual shape, and dimension of the lot, of the building and accessory building(s) existing and the lines within which the proposal building shall be erected or altered. As owner(s) of the property located at |
| • | enter the property for visual inspection of the exterior premises. The purpose of said inspection is to review the existing conditions of the subject site as they are relate to the application filed with the Board of Zoning Appeals. |
| herewith are | Appellant |
| | nd sworn to be me this 4 day of |
| | ion expires <u>June 22 2024</u> 2014. |
| * | DEBORAH HALL Notary Public, State of Ohio My Commission Expires June 22, 2024 |

Contrastic ...





TRIPLE CROWN ESTATES HOMEOWNER'S ASSOCIATION

ARCHETICURAL REVIEW COMMITTEE

March 6, 2024

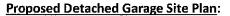
Ronald & Peggy Boehl 917 Belmont Blvd Cincinnati, OH 45245

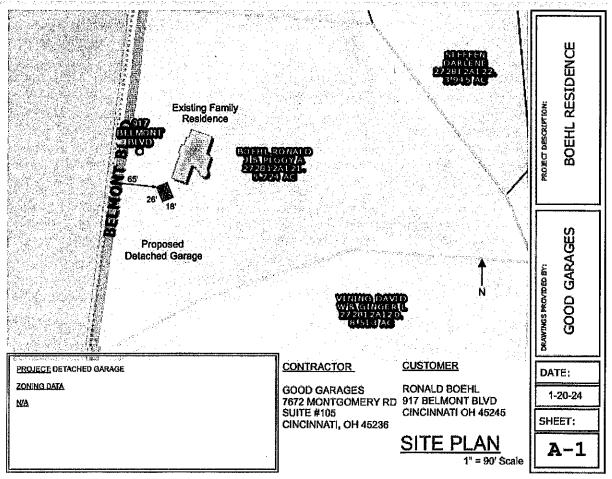
Dear Ron & Peggy,

Thank you for providing your request to build a detached garage. According to the Site Plan, attached, the garage would be located to the west of your house. Also, a part of the garage will be in front of your house.

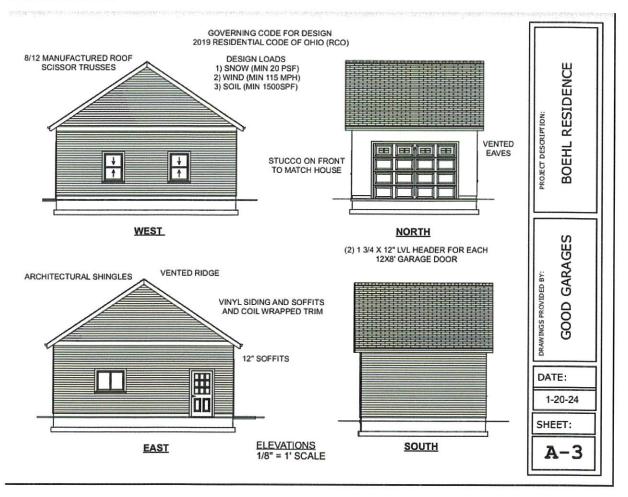
Because the other four properties located on Belmont Blvd all have garages which are in front of the house, and because Belmont Blvd is a private lane, we do not have any objection to your plans.

Out of courtesy to the property owners on your private lane, we would like to be sure they are made aware before any construction begins. This will likely happen through the variance process with Pierce Township.





Garage Elevations:



Properties located on Belmont Blvd from the Clermont County Auditor's website showing the garage locations:

1. 925 Belmont Blvd



2. 921 Belmont Blvd - Evans



3. 917 Belmont Blvd – Boehl



4. 913 Belmont Blvd - Vining



APPROVED BY: Triple Crown Estates Homeowner's Association Architectural Review Committee:

John Bramlet 3352 Derby Drive Cincinnati, OH 45245 Thomas Buhr 3365 Derby Drive Cincinnati, OH 45245 Kathy E. Strahle 3382 Derby Drive Cincinnati, OH 45245

Best Regards,

Kally E Strakle

Kathy E. Strahle HOA President

cc: John Bramlet Thomas Buhr

| Pe Al Ni Fi | DARD OF TRUSTEES eter J. Kambelos, MD len M. Freeman cholas J. Kelly Scal Officer ebbie S. Schwey RECEIVED RECEIVED PSO Locust Corner Road Check 4 457 (513) 752.6262 Fax # (513) 752.8981 | | |
|----------------------------------|---|--|--|
| De | | | |
| | Iministrator JAN 2 5 2024 Township.org | | |
| | ZONING PERMIT | | |
| | Application No. 050 794 - 2024 | | |
| Ap | plicant Name: Daniel Murray Date: 1/25/24 | | |
| | dress: 917 Belmont Blvd. Phone: 513-600-3040 | | |
| Cit | y, State & Zip Code: Prence, 0H, 45245 Email: DoolzanagesquananteedCommi | | |
| | rcel Address: 272812A121 Parcel No. | | |
| Cit | y, State & Zip Code: | | |
| Par | rcel Owner Name (if different than applicant): <u>Renald Boehd</u> | | |
| Par | cel Owner Address (if different than applicant): | | |
| Cui | rrent Zoning District: Current Use (if any): | | |
| Тур | e of Work (check applicable box): New Construction: 📈 Remodel/Expansion: Fence:Minor Lot Split | | |
| | nage: MA Change of Use: MA Accessory Structure (petached garage), shed, etc):Other: | | |
| Architect/Engineer: Dood Darages | | | |
| Gei | neral Description of Work: 4 68 24/5 detached garage | | |
| | Size of Building/Sign/Etc.: Total Sq. Ft.: 468 Length: 74 ft. Width: 18 ft. Height: 17 ft. | | |
| 2. | Approx. Cost of Work: \$ (a), (10) 3. Lot Size: 5, 7 sq. ft./acres | | |
| 4. | Setbacks from Property Lines: Front: <u>50</u> ft. Rear:ft. Side: <u>15</u> ft. Side:ft. | | |
| 5. | For Sign Applicants: A. Sign Type: // A (e.g. ground mounted, pole mounted, wall mounted, etc.) | | |
| | Size of Text/Graphics (within sign area): Total Sq. Ft:Length:ft. Width:ft. | | |
| С. | Type of illumination (if any): | | |
| 6. | For Change of Use Applicants: A. Proposed new use: | | |
| В. | No. of Employees:C. No. of Office/Apartment Units: (Please complete back page) | | |

- 7. Acknowledgement: It is the responsibility of the applicant to review the property deed for covenants, easements, and/or other restrictions that may inhibit the issuance of a zoning certificate or violate a subdivision regulation. Pierce Township does not administer or enforce private agreements. Consequently, violators of deed covenants or other restrictions are liable for potential legal actions from private owners, home owners associations and/or other vested parties.
- 8. Applications for Zoning Permits must include applicable documentation which may include one or more of the following:
- a. A plat of the lot to be developed with dimensions, lot and parcel number, with evidence that the lot has been surveyed.
- b. A site plan drawn to scale showing the location and dimensions of proposed and existing buildings, driveways, parking areas, landscaping, signage, topography and/or other public or private features
- necessary to demonstrate compliance with the Zoning Resolution. c. Photographs, drawings, renderings, product specifications, material data sheets, informational brochures and/or similar information that helps to demonstrate compliance with the Zoning Resolution.
- 9. Please contact Zoning Department staff with any questions or concerns using the contact information listed on the front page of this application. The Pierce Township Zoning Resolution, Zoning Map and Permit Fee schedule can be found online at: <u>www.piercetownship.org</u> (Go the Zoning Department page for links to the Resolution, Map and Fee Schedule).
- 10. As owner(s) of the property located at grant permission to Members of the Board of Zoning Appeals and Staff of Pierce Township to enter the property for visual inspection of the exterior premises. The purpose of said inspection is to review the existing conditions of the subject site as they are related to the application filed.

I hereby state that the above information, together with all submitted materials, is a true statement and covenant and agree to comply with the laws of the State of Ohio and with the Pierce Township Zoning Resolution relating thereto.

| | (*** 54.30 KOM20404) 109 (44) |
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| | 1 1 |
| / | Date: 1/25/24 |
| - m | Signature: |
| 6 4 | Applicant A |

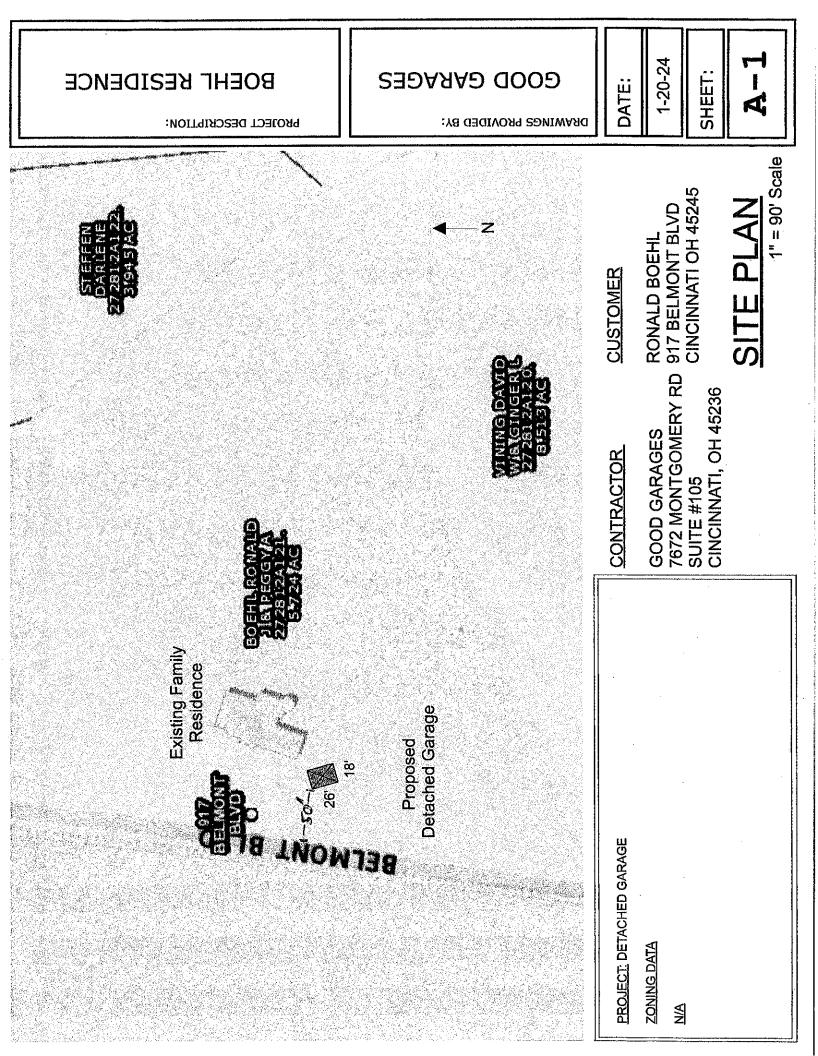
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| After application review, a Zoning Pe | rmit is f | ereby: | ОЯЧЯА | ΛED | DENIE | | ЭНТО |
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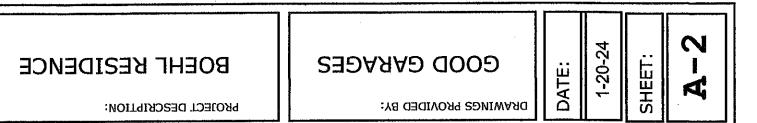
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- 10. As owner(s) of the property located at _______, we hereby grant permission to Members of the Board of Zoning Appeals and Staff of Pierce Township to enter the property for visual inspection of the exterior premises. The purpose of said inspection is to review the existing conditions of the subject site as they are related to the application filed.

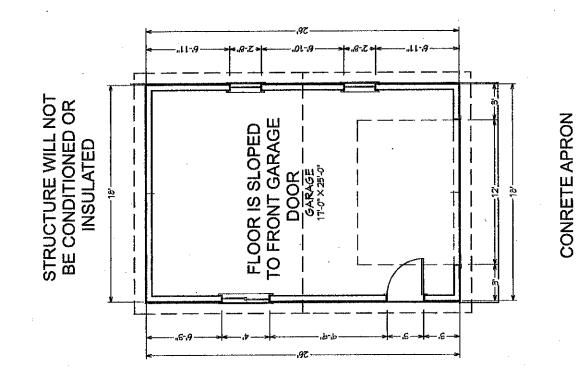
I hereby state that the above information, together with all submitted materials, is a true statement and covenant and agree to comply with the laws of the State of Ohio and with the Pierce Township Zoning Resolution relating thereto.

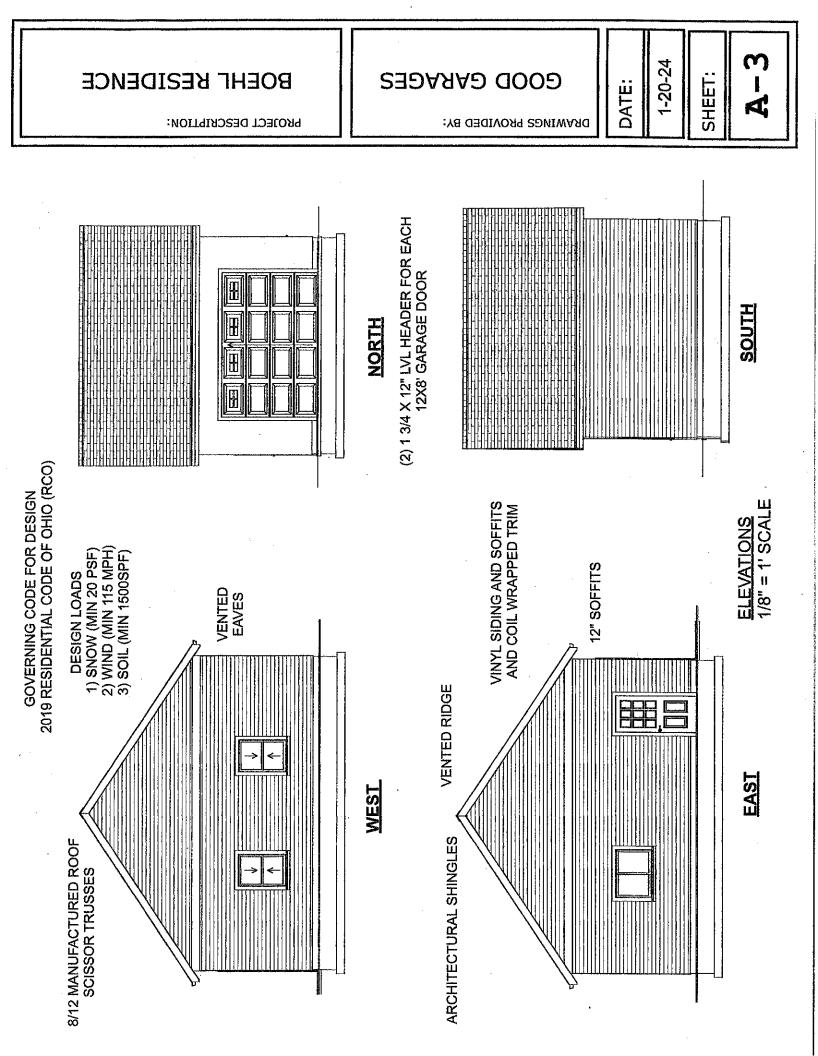
| Applicant Signature: Down Down Down Down Down Down Down Down | |
|--|-------|
| Date: 1/25/24 | |
| (FOR TOWNSHIP USE ONLY) | |
| Fee Amount Paid: \$Date:Date: | |
| After application review, a Zoning Permit is hereby: APPROVED DENIED | OTHER |
| comments/Conditions of Approval: (1) Detached Garase is Location in Eront Early | les |
| in tront kard | |
| Reviewed by: <u>ANNN NGW</u> _Date: <u>D265/2</u> | 4 |

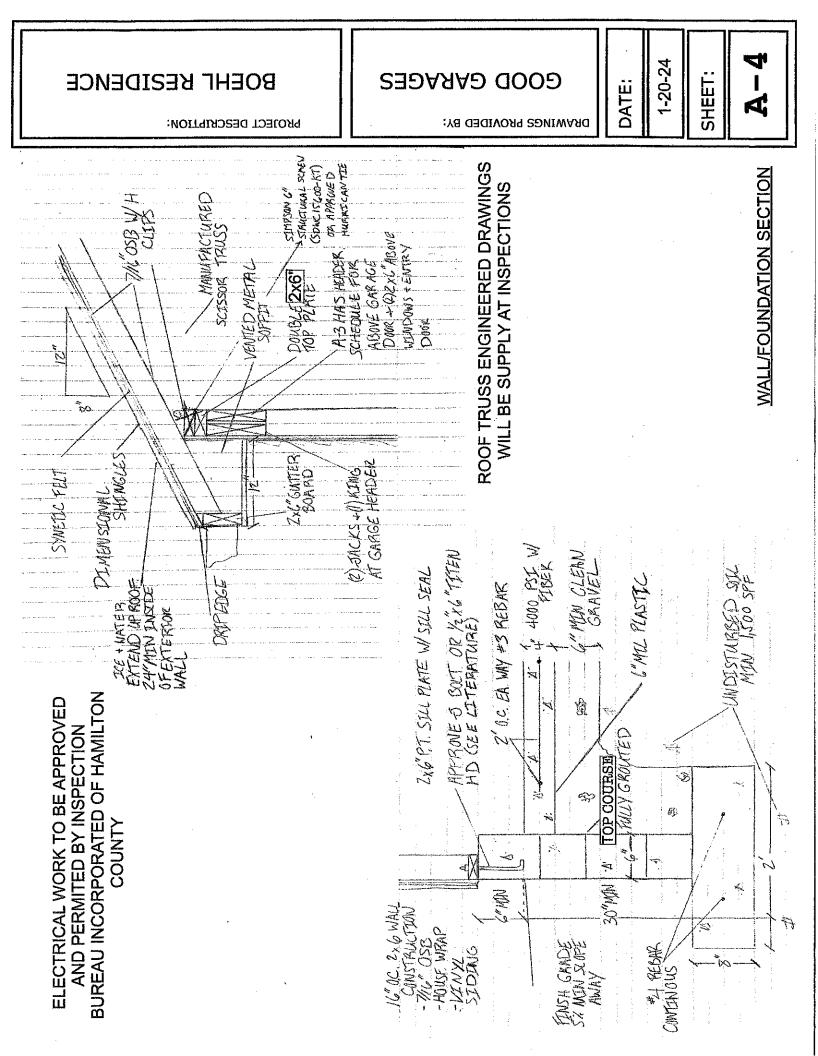












Andrew Higgins

From:Andrew HigginsSent:Monday, February 5, 2024 3:16 PMTo:Daniel MurraySubject:RE: 917 Belmont BlvdAttachments:2022 Appeal Application Fillable Form.pdf

Hello Mr. Murray,

After reviewing the application a second time, I can confirm that we would not be able to approve the application as is, and that the garage would either need to be attached, or moved to the rear of the property. As this was expected, if you would like to submit the variance application, you are more than welcome to. I have attached a copy of the application form just in case you did not already have the form. Please reach out if you have any further questions.

Thank you,

Andrew Higgins, Planning and Zoning Assistant Pierce Township Department of Community Development and Planning 950 Locust Corner, Cincinnati, Ohio 45245 <u>ahiggins@piercetownship.org</u>



This email and any attachments contain information that may be covered by electronic communication privacy laws, may be confidential and/or covered by legal privilege. If you are not the intended recipient, you may be legally prohibited from reading, retaining, using, copying, distributing, or otherwise disclosing this information in any manner. Instead, please inform the sender that you have received this communication in error and then immediately delete it.

This email and any response to it may constitute a public record, and therefore may be made available upon request in accordance with Ohio public records law (ORC 149.43)

From: Daniel Murray <goodgaragesguaranteed@gmail.com> Sent: Monday, February 5, 2024 1:54 PM To: Andrew Higgins <ahiggins@piercetownship.org> Subject: 917 Belmont Blvd

Hello, I was just checking in to see where we are in the application process for the detached garage on Belmont Blvd.

Best Regards

Dan Murray, Owner Good Garages and Exteriors (513) 600-3040 1308 CoodGarages.net

7672 Montgomery Rd, Suite 105 Cincinnati, OH 45236



1

Dimensional Variance: 262 W Main St (282807A292.)

Summary: An application for a dimensional variance(s), from Pierce Township Zoning Resolution, 12.10 B) to construct (3) three signs (1 Wall Sign Permitted per Tenant) – (1) Drive Thru; (2) Pickup Signs for the Kroger Company. 12.10 B) 1) states, "*each business or tenant within a GB zoning district shall be permitted one wall sign for each side of the building that faces a public roadway.*"

Owner: Kroger Limited Partnership I

Applicant: Brooke Alini (Atlantic Sign Company)

Property Location: 262 W Main St Pierce Township, Ohio 45102 (282807A292.)

Property Profile:

Acreage: 7.49 acres

Current Use: Retail Commercial

Zoning: General Business (GB)

Prepared By: Eddie F. McCarthy, Director of Community Development and Planning

Action Required: The BZA shall make a decision on the variance application in accordance with 3.08: Variances B) 2).



Vicinity Map:

Proposal: Three (3) signs are proposed:

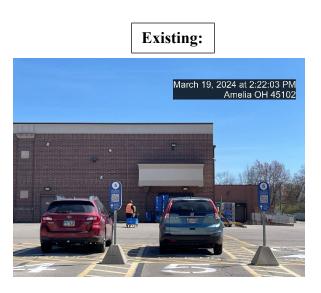
- 1) 23.8 sq. ft "Pickup" sign (A) (Potential Variance Required) Facing South (SR 125)
- 2) 23.8 sq. ft "Pickup sign (B) (Potential Variance Required) Facing West (Adjoining Property)
- 3) 31.8 sq. ft "Pharmacy Drive Thru"(A) (sign is a smaller version of previously permitted Variance not required)







PROPOSED B



Staff Analysis and Recommendation:

Summary – The site in question has been the subject of multiple variance requests, including most recently in 2023 and in 2011.

 <u>Pharmacy Drive Thru</u> (A) sign: The 31.8 sq. ft "Pharmacy Drive Thru" Sign is permitted via the 2011 Variance, as the sq. ft is under 57.75 sq. ft original "RX Drive Thru" sign. It should be noted that the original Kroger sign package included 2 Pharmacy signs, despite not having 2 road frontages.

Staff Comment: The 2023 request for an 80 sq. ft (stating "Pharmacy Drive Thru) was denied. The <u>prior drive thru sign "Rx Drive-thru</u>" (approved via variance in 2011) was 57.75 sq.ft, approx. <u>22.25 sq. ft smaller in area</u>".

2023 BZA2023-003 Determination: One wall sign per business is permitted.

2011 Variance as Permitted:

- 1) "Kroger" = 39 sq. ft
- 2) "Pharmacy" = 39.90 sq. ft
- 3) "Fred Meyer Jewelers" = 68 sq. ft
- 4) "Bank" = 24.50 sq. ft
- 5) "RX Drive Thru" = 57.75 sq. ft

TOTAL=230.05 sq. ft

Staff Comment: *No Variance is required.*

2. <u>*Pickup*</u> Signs (A and B) Conflict with 12.10 B) 1) states, "each business or tenant within a GB zoning district shall be permitted one wall sign for each side of the building that faces a public roadway."

Pickup sign (A) = 23.8 sq. ft Pickup sign (B) = 23.8 sq. ft (1.5 sq. ft/linear foot of frontage)

Staff Comment: Does the "Kroger Pickup" service constitute a separate Tenant? It is staff's perspective that the "Pickup" component is not a purely new tenant so to speak but is an appurtenant extension of a parking lot and functions as a tenant functions. For instance, the pickup service functions as a business tenant may, and could very well be a separate business from Kroger proper, should they outsource this work. Both signs are visible from adjoining property and/or the ROW, making them regulated signage.

In keeping with the spirit of the Resolution and prior interpretations, "Pickup" service may be permissible as a "separate business" and one sign would thus be permitted. The applicant should choose which "Pickup" sign they would prefer to site, as two would not be permissible.

Action: The Board of Zoning Appeals will need to consider the proposal and the following in determining if the proposal as submitted is permissible for (3) three signs:

- Pharmacy Drive Thru Sign (A) does not need a variance, as the Pharmacy was permitted two (2) signs in 2011 and secondly, the proposal is smaller in scale than what was approved in 2011.
- Pickup Sign (A) & (B) would require a variance action in order for both to be permitted. The applicant needs to confirm their approach.
 - Pickup sign (B) may be permitted by right but not in conjunction with Pickup sign (A).
 - Customarily, the signs are placed along the frontage in which they occupy. Pickup Sign (A) does not appear to be directly located where the service occupies (Storefront)

Staff Analysis:

Staff has reviewed the proposal (Dated March 5, 2024) in accordance with 3.08: Variances B) 2), specifically:

The following factors shall be considered and weighed by the BZA to determine practical difficulty:

(a) Whether special conditions and circumstances exist which are peculiar to the land or structure involved and which are not applicable generally to other lands or structures in the same zoning district; examples of such special conditions or circumstances are: exceptional irregularity, narrowness, shallowness or steepness of the lot, or adjacency to nonconforming and inharmonious uses, structures or conditions;

Staff Comment: *There do not appear to be unique circumstances on this property and the site does not sit on a corner with two road frontages.*

(b) Whether the property in question will yield a reasonable return or whether there can be any beneficial use of the property without the variance;

Staff Comment: *The property may continue as a pharmacy and the pickup service may continue in the absence of an approval.*

(c) Whether the variance is substantial and is the minimum necessary to make possible the reasonable use of the land or structures;

Staff Comment: *Signs exempted from permitting* 12.08 B) 3) *Any sign not legible from a public way or from private property other than the lot on which the sign is located;* the sign may be reduced in size so as to not be legible from the ROW. This is a potential alternative approach for the applicant/owner to help guide users to the pickup location.

 (d) Whether the essential character of the neighborhood would be substantially altered or whether adjoining properties would suffer substantial detriment as a result of the variance;

Staff Comment: Character is unlikely to be affected. The site and environs are heavily numbered with signage sharing a similar aesthetic. It should be noted that improved design aesthetics are a key theme in the newly adopted 2023 Pierce Township Land Use Plan.

(e) Whether the variance would adversely affect the delivery of governmental services including, but not limited to water, sewer, police and fire protection, trash pickup;

Staff Comment: No effect

(f) Whether special conditions or circumstances exist as a result of actions of the owner;

Staff Comment: There are no unique circumstances on site that are not the result of the applicant's approach to siting the facility.

(g) Whether the property owner's predicament can feasibly be obviated through some method other than a variance;

Staff Comment: *A smaller sign (or signage) not visible from the ROW would likely serve the same purpose and accomplish the purpose of directing customers to the drive-thru.*

B) The following signs shall be exempt from the zoning permit requirements of this article and shall not be considered in applying limitations on the number of signs permitted on a wall or a lot, but such signs shall be subject to the lighting, installation, height, setback, maintenance and other standards set forth in this section:

1) Detached signs smaller than two square feet in area and less than four feet in height, and containing no commercial message;

2) Wall signs smaller than two square feet in area and containing no commercial message;3) Any sign not legible from a public way or from private property other than the lot on which the sign is located; and

4) Any window sign that is not separately lighted or electrified.

(h) Whether the spirit and intent behind the zoning requirement would be observed and substantial justice done by granting a variance; and

Staff Comment: The applicant's request does not meet the spirit and intent of the Resolution. Smaller signage not visible from the ROW that directs traffic on site is permitted without a variance.

One pickup sign located on the "storefront" would meet the spirit and intent of the Resolution.

(i) Whether the granting of the variance requested will confer on the applicant any special privilege that is denied by this regulation to other lands, structures, or buildings in the same district.

Staff Comment: The applicant would appear to be obtaining a special privilege as a result of this variance. Effectively, most every property in the vicinity shares the same constraints.

No single factor listed above may control, and not all factors may be applicable in each case. Each case shall be determined on its own facts.

Staff Recommendation and Board of Zoning Appeals Decision:

Upon review of the foregoing, staff has determined that the literal enforcement of this resolution will not result in practical difficulty in accordance with 3.08 of the Zoning Resolution.

Staff recommends that the Board of Zoning Appeals consider the following with conditions regarding the application in accordance with 3.08: Variances B) 2).

- 1) The Board of Zoning Appeals should consider concurrence with staff that a variance is not required for the "Pharmacy Drive Thru" signage
- 2) The Board of Zoning Appeals should consider approval of the west facing "Cart & Pickup" Proposed B signage, as the Pickup use is a functional tenant use and the primary pickup location storefront is located at said location
- The Board of Zoning Appeals should consider denial of the south facing "Cart & Pickup" Proposed A signage, as two Pickup signs are not permitted without two road frontages

Determination(s):

3.08: Variances

A) Review Procedure The review procedure for variances shall be as follows:

1) Step 1 – Application

(a) An application for variance may be made by the person having legal authority, including an authorized agent, or by a governmental officer, department, board or bureau.
(b) The completed application shall include a copy of maps, data, and any other requirements specified in Section 3.04 (Common Review Requirements) and shall be submitted to the Zoning Inspector.
(c) Each application shall be signed by the owners, or the authorized agent for the owner,

attesting to the truth and correctness of all facts and information presented with the applications. (d) The Zoning Inspector shall transmit a copy of the application to the BZA.

2) Step 2 – Public Hearing with the Board of Zoning Appeals

(a) The BZA shall fix a reasonable time for the public hearing on the variance application, give at least 10 days of notice in writing to the owner and owners of adjoining properties, and give notice of such public hearing by one publication in one or more newspapers of general circulation in the County at least 10 days before the date of such hearing.

(b) At the hearing, the BZA may continue the hearing in order to obtain additional information or to cause further notice, as it deems proper to be substantially interested in said variance application. In the case of a continued hearing, persons previously notified and persons already heard need not be notified of the time of resumption of said hearing unless the BZA so decides.

3) Step 3 – Decision

(a) Within 30 days after the hearing concludes (Step 2), the BZA shall make a decision on the variance application.

(b) A certified copy of the BZA's decision shall be transmitted to all parties in interest. Such decision shall be binding upon the Zoning Inspector who shall incorporate the terms

and conditions of the decision in the permit to the applicant or appellant, whenever the BZA authorizes a zoning permit.

(c) Failure to comply with the conditions of a decision shall be deemed a violation of this zoning resolution.

(d) Any party adversely affected by a decision of the BZA may appeal the decision to the Clermont County Court of Common Pleas.

B) Review Criteria

1) The BZA shall have the power to authorize upon appeal in specific cases, filed as hereinbefore provided, such variances from the provisions or requirements of this resolution as will not be contrary to the public interest. Where an applicant seeks a variance, said applicant shall be required to supply evidence that demonstrates that the literal enforcement of this resolution will result in practical difficulty for an area/dimensional variance or unnecessary hardship for a use variance. The following factors shall be considered and weighed by the BZA.

2) Area/Dimensional Variance

The following factors shall be considered and weighed by the BZA to determine practical difficulty:

(a) Whether special conditions and circumstances exist which are peculiar to the land or structure involved and which are not applicable generally to other lands or structures in the same zoning district; examples of such special conditions or circumstances are:

exceptional irregularity, narrowness, shallowness or steepness of the lot, or adjacency to nonconforming and inharmonious uses, structures or conditions;

(b) Whether the property in question will yield a reasonable return or whether there can be any beneficial use of the property without the variance;

(c) Whether the variance is substantial and is the minimum necessary to make possible the reasonable use of the land or structures;

(d) Whether the essential character of the neighborhood would be substantially altered or whether adjoining properties would suffer substantial detriment as a result of the variance;

(e) Whether the variance would adversely affect the delivery of governmental services including, but not limited to water, sewer, police and fire protection, trash pickup;

(f) Whether special conditions or circumstances exist as a result of actions of the owner;

(g) Whether the property owner's predicament can feasibly be obviated through some method other than a variance;

(h) Whether the spirit and intent behind the zoning requirement would be observed and substantial justice done by granting a variance; and

(i) Whether the granting of the variance requested will confer on the applicant any special privilege that is denied by this regulation to other lands, structures, or buildings in the same district.

No single factor listed above may control, and not all factors may be applicable in each case. Each case shall be determined on its own facts.



950 Locust Corner Road Cincinnati, Ohio 45245

PIERCE TOWNSHIP ZONING OFFICE

Appeal No. <u>BZAZ024-003</u> 051754-2024

Appeal from Decision of Zoning Inspector

Or

Request for Variance

Appeal and \$400.00 fee filed With Township Inspector On 315(2024

NOTICE: This appeal must be typewritten or printed and must be filled within thirty (30) day of the date of the decision being appealed.

TO THE PIERCE TOWNSHIP BOARD OF ZONING APPEALS

1. Atlantic Sign Company 1328 flovence Are Cincinnati OH 45206 513.241.6775

Hereby requests the Board of Zoning Appeals to authorize issuance of a Zoning Certificate for:

Parcel 290/16.174. 262 W. Main A. AMeria, OH 45245 282807A292.

Or grant a variance on the property described herein.

Attached hereto is a copy of the decision rendered by the Zoning Inspector.

| 2. | Applicant is Allantie Sign Company Capacity in which you appear | | |
|----|--|--|--|
| | Of the property which is the subject of this appeal. Such property is located on the <u>ULCS</u> North, South, East, West | | |
| | Side of | | |
| | State name of plot and lot number therein or amount of acreage, Section, Town, and Range number thereof: | | |
| | 28280719292 à 290116.174 13.5 acres | | |
| | | | |
| 3. | State the section or sections of the Zoning Resolution under which it is claimed this application or appeal may be granted: | | |
| 4. | State fully the facts on which this application or appeal is based. (Attach additional sheets if necessary.) | | |
| | Knoger is adding a pick up location to this store. The new Signage will direct customers where to gue Knoger will be remaining the | | |
| | | | |
| | existing "Pharmacy Drive Huw" Sign | | |
| 5. | Give names and addresses of the owners of all abutting lots or property as well as those on the other | | |

side of the street, or streets, immediately opposite said property: _____

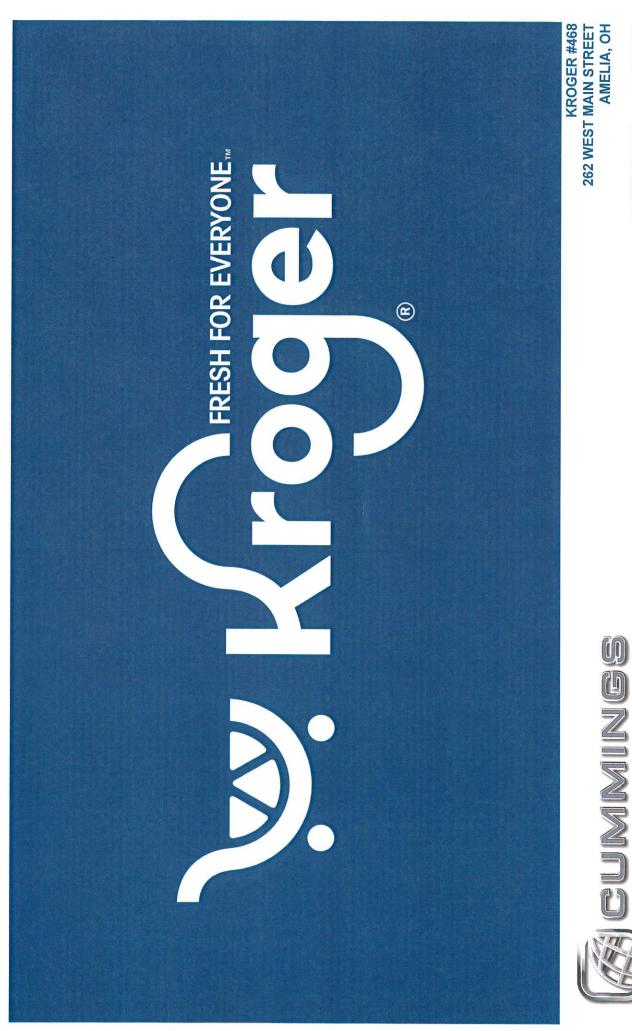
Bound of tustices of Pience-tunship-950 Locust Corner 45245 AMELia Apartments LLC 1381 W. Ohio Pile 45102 Select Strategies LLC 400 Techne Center dr 45150 Board of County Commissioners 101 E. Marin st 45103

6. Is there any case pending in court or summons involving the use of the premises or the ownership

thereof?

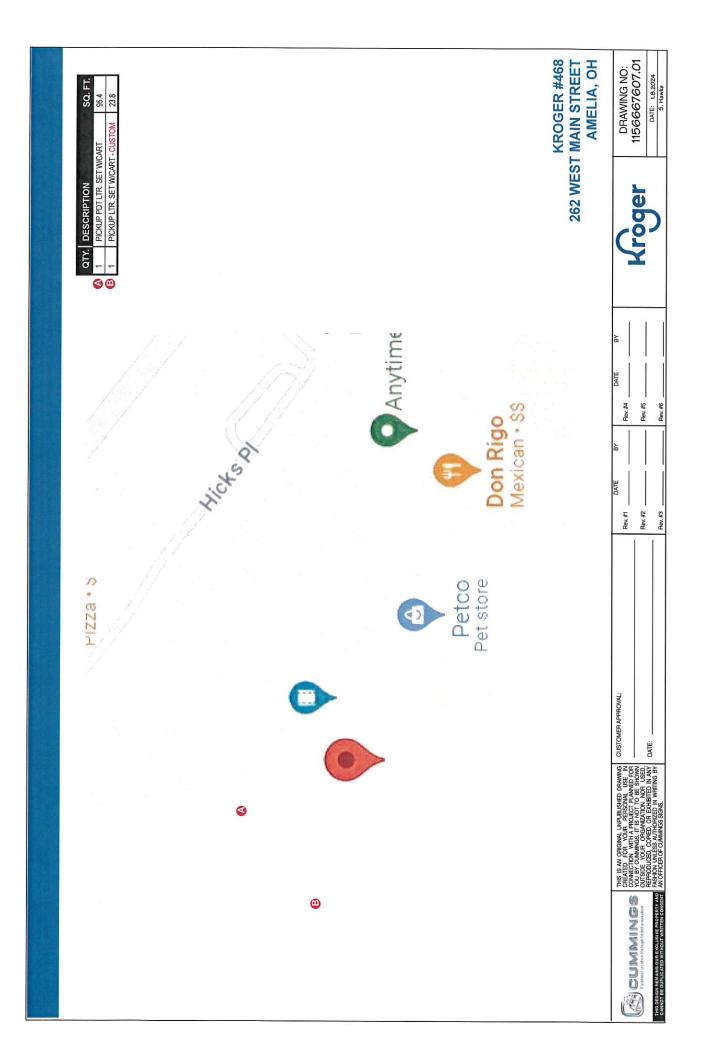
Yes _____ No _______if yes, please explain: ______

| 7. | Are there any restrictive covenants, any restrictions of record by deed or otherwise which would prevent the proposed use of the premises? Yes <u>No </u> if yes, what are they? |
|---------------------------------|--|
| | |
| 8. | Is there any petition pending to change the zoning regulations affecting these premises? Yes No proposed change |
| | |
| | Has any previous application or appeal been filed in connection with these premises? $\sqrt{1+n^2}$ |
| | Yes <u>X</u> Noif yes, when? <u>WU3</u> Attach a plot layout, drawn to scale, showing the actual shape and dimension of the lot, of the building and accessory building(s) existing and the lines within which the proposal building shall be erected or altered. |
| I hereby depo herewith are t | ose and say that all the above statements and the statements contained in all exhibits transmitted true. ${ m R}$ |
| Subscribed an | Appellant Ind sworn to be me this 5+7 day of March |
| 20 <u>24</u> . | |
| My commissio | on expires 12,04 , 20,27. |
| | Miggin Beendy Notary Public |
| | Will Z PUO ON THE PROVINE |

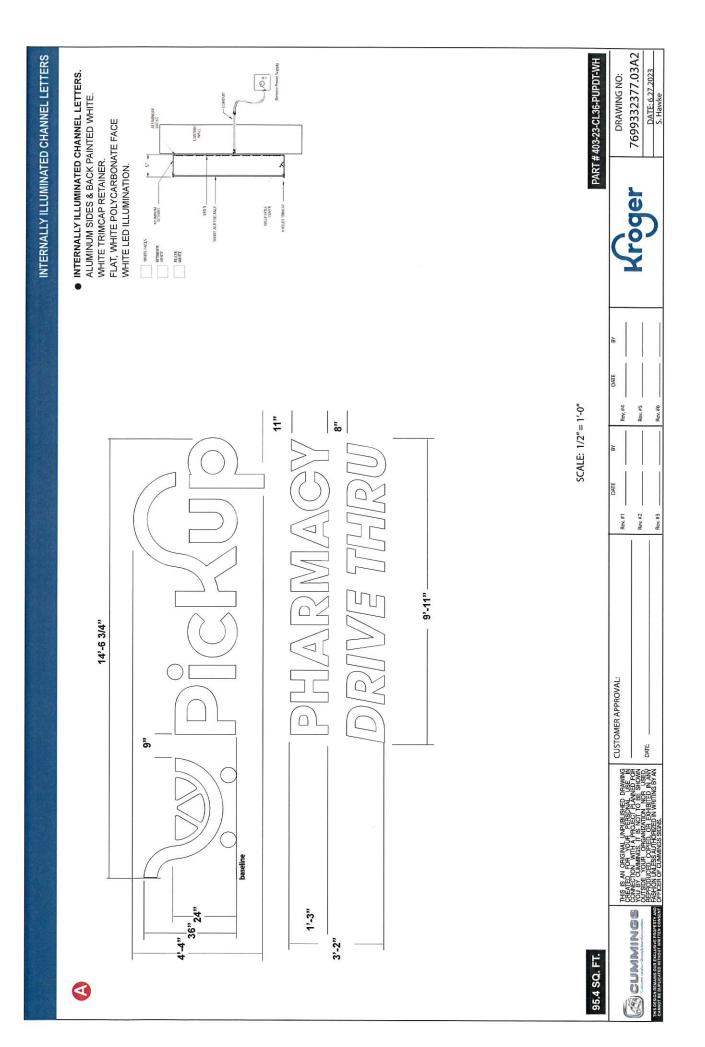


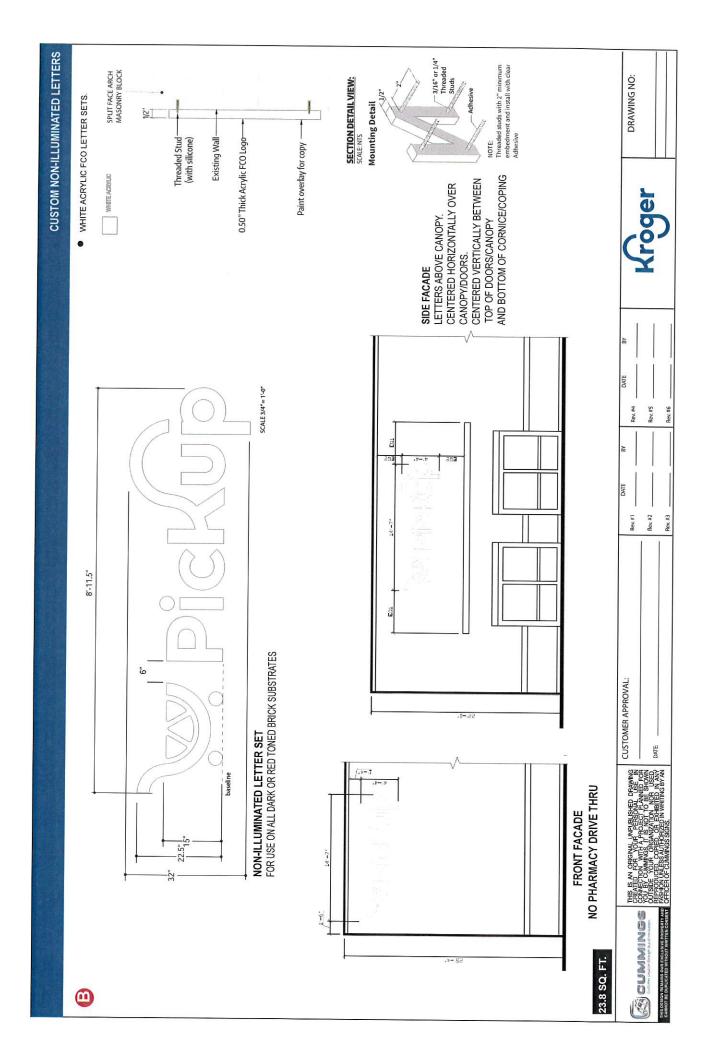
07.01 1.8.2024

1156667607.01









BOAR OF TRUSTEES Allen M. Freeman Nicholas J. Keliy Peter J. Kambelos, MD

p.

Fiscal Officer Debbie S. Schwey

Administrator M. Tim Williams



Sign A

950 Locust Corner Road Cincinnati, Ohio 45245

(513) 752.6262 Fax # (513) 752.8418 www.piercetownship.org

| | Application No | | |
|--|--|--|--|
| Applicant Name: Alantic San Curpary | Date: U1/473 | | |
| Address: <u>2328 Aure Ave</u> City, State & Zip Code: <u>CINCINNA. A. CH. 45246</u> | Phone: 573-241-6775- | | |
| City, State & Zip Code: CINCINNA TO 45206 | Email: BNSKECAManticsigncempany.com | | |
| Parcel Address: 42 W. Main St | Parcel No. 29016.174 | | |
| City, State & Zip Code: <u>AMelia</u> H 45102 | | | |
| Parcel Owner Name (if different than applicant): KYOYer | United Partnerscip | | |
| Parcel Owner Address (if different than applicant): 1014 Vi | ie st anunnati off 45202 | | |
| Current Zoning District: Current Use (if | any): | | |
| Type of Work (check applicable box): New Construction: | Remodel/Expansion: Fence: Minor Lot Split | | |
| Signage: Change of Use: Accessory Structure (detached garage, shed, etc): Other: | | | |
| Architect/Engineer: | | | |
| General Description of Work: 11 Stull New 41411 St | | | |
| 1. Size of Building/Sign/Etc.: Total Sq. Ft.: <u>96.4</u> Length: <u>1</u> | 4-4314 ["] ft. Width: 5" ft. Height: 7-5 ft. | | |
| 2. Approx. Cost of Work: \$ 4000 3. L | ot Size:sq. ft./acres | | |
| 4. Setbacks from Property Lines: Front:ft. Rear: | ft. Side:ft. Side:ft. | | |
| 5. For Sign Applicants: A. Sign Type: <u>Wall</u> | | | |
| B. Size of Text/Graphics (within sign area): Total Sq. Ft: <u>45</u> | Ind mounted, pole mounted, wall mounted, etc.) $\frac{1}{2}$ Length: $14-6 \frac{3}{4} ft$. Width: $5^{"}$ ft. | | |
| C. Type of illumination (if any): | | | |
| 6. For Change of Use Applicants: A. Proposed new use: 10 | Change | | |
| B. No. of Employees:C. No. of Office/Apartment | Units: (Please complete back page) | | |

- 7. Acknowledgement: It is the ponsibility of the applicant to review the property deed for covenants, easements, and/or other restrictions that may inhibit the issuance of a zoning certificate or violate a subdivision regulation. Pierce Township does not administer or enforce private agreements. Consequently, violators of deed covenants or other restrictions are liable for potential legal actions from private owners, home owners associations and/or other vested parties.
- 8. Applications for Zoning Permits must include applicable documentation which may include one or more of the following:
 - a. A plat of the lot to be developed with dimensions, lot and parcel number, with evidence that the lot has been surveyed.
 - b. A site plan drawn to scale showing the location and dimensions of proposed and existing buildings, driveways, parking areas, landscaping, signage, topography and/or other public or private features necessary to demonstrate compliance with the Zoning Resolution.
 - c. Photographs, drawings, renderings, product specifications, material data sheets, informational brochures and/or similar information that helps to demonstrate compliance with the Zoning Resolution.
- 9. Please contact Zoning Department staff with any questions or concerns using the contact information listed on the front page of this application. The Pierce Township Zoning Resolution, Zoning Map and Permit Fee schedule can be found online at: www.piercetownship.org (Go the Zoning Department page for links to the Resolution, Map and Fee Schedule).
- 10. As owner(s) of the property located at _______, we hereby grant permission to Members of the Board of Zoning Appeals and Staff of Pierce Township to enter the property for visual inspection of the exterior premises. The purpose of said inspection is to review the existing conditions of the subject site as they are related to the application filed.

I hereby state that the above information, together with all submitted materials, is a true statement and covenant and agree to comply with the laws of the State of Ohio and with the Pierce Township Zoning Resolution relating thereto.

| Applicant Signature: | ThA | |
|-------------------------|----------------|--|
| Date: | 21,1224 | |
| (FOR TOWNS | SHIP USE ONLY) | |

| Fee Amount Paid: \$ | Date: | | |
|--|----------|--------|-------|
| After application review, a Zoning Permit is hereby: | APPROVED | DENIED | OTHER |
| Comments/Conditions of Approval: | | | |
| | | | |
| | | | |
| | | | |

BOARD OF TRUSTEES Allen M. Freeman Nicholas J. Kelly Peter J. Kambelos, MD

. . . .

Fiscal Officer Debbie S. Schwey

Administrator M. Tim Williams



Dign B

950 Locust Corner Road Cincinnati, Ohio 45245

(513) 752.6262 Fax # (513) 752.8418 www.piercetownship.org

| ZONING PERMIT | NG PERMIT |
|---------------|-----------|
|---------------|-----------|

| Equility Filler | 4.88 |
|---|---|
| | Application No |
| Applicant Name: Alantic San Cumpany | Date: U1/2023 |
| Address: 2328 Allence Ave City, State & Zip Code: <u>CINCINNA. A. CH. 45246</u> Email: | Phone: 573 241.6775- |
| City, State & Zip Code: <u>CINCINNA A CH 45246</u> Email: | Bryoke CAHantics in company con |
| Parcel Address: UP2 W. Main St | Parcel No. 29016.174 |
| City, State & Zip Code: AMelia OH 45102 | |
| Parcel Owner Name (if different than applicant): Kroyer Unut | ed Partnarslip |
| Parcel Owner Address (if different than applicant): | - Cincinnati off 45202 |
| Current Zoning District: Current Use (if any): | |
| Type of Work (check applicable box): New Construction: | l/Expansion: Fence: Minor Lot Split |
| Signage: Change of Use: Accessory Structure (detache | |
| Architect/Engineer: | |
| General Description of Work: 11 Stull New 4411 Sign | |
| 1. Size of Building/Sign/Etc.: Total Sq. Ft.: 23.8 Length: 8'-11.5" | ft. Width: $12^{"}$ ft. Height: $32^{"}$ ft. |
| 2. Approx. Cost of Work: \$ 400 3. Lot Size:_ | sq. ft./acres |
| 4. Setbacks from Property Lines: Front:ft. Rear: | ft. Side:ft. Side:ft. |
| 5. For Sign Applicants: A. Sign Type: | |
| B . Size of Text/Graphics (within sign area): Total Sq. Ft: 23.8 | , pole mounted, wall mounted, etc.) Length: $8 - 11.5^{11}$ ft. Width: 12^{11} ft. |
| C. Type of illumination (if any): NA | |
| 6. For Change of Use Applicants: A. Proposed new use: <u>NO</u> CLA | ange |
| B. No. of Employees:C. No. of Office/Apartment Units: | (Please complete back page) |
| | |

- 7. Acknowledgement: It is the responsibility of the applicant to review the property deed for covenants, easements, and/or other restrictions that may inhibit the issuance of a zoning certificate or violate a subdivision regulation. Pierce Township does not administer or enforce private agreements. Consequently, violators of deed covenants or other restrictions are liable for potential legal actions from private owners, home owners associations and/or other vested parties.
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- 10. As owner(s) of the property located at ______, we hereby grant permission to Members of the Board of Zoning Appeals and Staff of Pierce Township to enter the property for visual inspection of the exterior premises. The purpose of said inspection is to review the existing conditions of the subject site as they are related to the application filed.

I hereby state that the above information, together with all submitted materials, is a true statement and covenant and agree to comply with the laws of the State of Ohio and with the Pierce Township Zoning Resolution relating thereto.

| Signature: | | | |
|--|----------|--------|-------|
| Date:21,12024 | | | |
| (FOR TOWNSHIP USE ONLY) | | | |
| Fee Amount Paid: \$ | Date: | | |
| After application review, a Zoning Permit is hereby: | APPROVED | DENIED | OTHER |
| Comments/Conditions of Approval: | | | |
| | | | |

Applicant