



October 7, 2024

Elida Local Schools
4380 Sunnysdale Ave
Elida, OH 45807
Attn: Mr. Joel Mengerink, Superintendent

Dear Mr. Mengerink,

Entrust Solar Development Group is excited about the opportunity to once again collaborate with Elida Local Schools District to enhance operational savings and sustainability through solar energy solutions. We have conducted a thorough analysis, in partnership with Phase Two, and identified new opportunities to further increase your energy efficiency and cost savings.

Proposed Solar Expansion

We propose installing two new solar arrays to complement the existing infrastructure, specifically targeting the elementary school and the field house. The new installations will add 890 kW_{DC} of capacity, bringing the district's total solar capacity to 2.97 MW_{DC}. The proposed system breakdown is as follows:

- **Elementary School:** A 780 kW_{DC} ground-mounted array, located directly south of the current middle school array, designed to offset approximately 80% of the elementary school's current grid-supplied electricity needs.
- **Field House:** A 110 kW_{DC} non-penetrating rooftop array, strategically placed on the eastern portion of the roof to offset approximately 97% of the building's electricity consumption while preserving roof integrity.

Field House Roof Improvement

As part of this project, we also propose a roof improvement for the field house. The scope includes:



- Repair and replacement of any damaged roof decking.
- Installation of a 2-inch insulation layer for improved energy efficiency.
- Installation of a 60-mil Duro-Last PVC membrane across the entire roof, offering superior protection.

This roof improvement will come with a 25-year NDL (No Dollar Limit) warranty from Duro-Last Roofing, Inc., ensuring long-term protection of your asset. The roof upgrade will be completed prior to the installation of the solar panels.

Understanding the Power Purchase Agreement (PPA)

A Power Purchase Agreement (PPA) is a financial arrangement in which we, as the developer, design, install, and maintain the solar arrays on your property at no upfront cost to Elida Local Schools. In return, the district agrees to purchase the electricity generated by the solar arrays at a fixed rate, typically lower than the current utility rate. This allows Elida Local Schools to enjoy the benefits of solar energy, including reduced utility bills and environmental impact, without the capital expense or responsibility for system maintenance.

Under this agreement, Entrust Solar Development Group will retain ownership of the solar arrays and be responsible for all ongoing maintenance, repairs, and system performance. The district only pays for the electricity produced by the solar array, providing long-term savings as utility rates continue to rise.

Financial Proposal: 25-Year Power Purchase Agreement (PPA)

We are offering a 25-year PPA with the following terms:

- **Electricity Rate:** \$0.09 per kWh, with an annual escalation rate of 1.75%.
- **Service Fee:** \$0.02 per kWh of energy generated by the array, also with an annual escalation rate of 1.75%.



While savings cannot be guaranteed, we conservatively estimate that Elida Local Schools could save approximately \$4,142,628.24 over the 25-year term. Should the district choose to extend the PPA by an additional 5 years, the total projected savings could increase to approximately \$5,497,659.08, with an additional \$1,355,030.67 in savings over the extended term.

These estimates take into account:

- A projected 3% annual increase in utility costs.
- A 0.2% annual growth in electricity demand.
- A 0.5% annual degradation in solar array performance, aligned with industry standards.

Enclosed with this letter are savings projections and supporting exhibits for your review.

Next Steps

Should Elida Local Schools decide to proceed with this project, Entrust Solar Development Group will prepare a comprehensive Power Purchase Agreement, outlining the terms for the installation, operation, and maintenance of the proposed solar arrays.

We appreciate your consideration of this opportunity to further Elida Local Schools' sustainability goals while achieving substantial cost savings. We look forward to the possibility of working together again and are eager to answer any questions you may have.

Sincerely,

Kalyn Bruce
Partner
Entrust Solar Development Group



Acceptance of solar proposal for Elida School District

Elida School District

Entrust Renewable Energy Partners LLC
DBA Entrust Solar Development Group

X

X

Name & Title:

Name & Title: Kalyn Bruce, Partner

Date:

Date:



Exhibit A: Scope of Work

The project would be comprised of solar located in two locations on Elida School District owned property.

Site Name: Elida Field House Solar Array

Size: 110 KW_{DC}

Mounting Type: Roof

Est Production: 144,733 kWh/ Year

Location: Panels would be located on the eastern side of the athletic center's roof. They would be attached using a non-puncturing anchor.





Exhibit A: Scope of Work (continued)

Site Name: Elida Elementary School Solar Array

Size: 780 KW_{DC}

Mounting Type: Ground

Est Production: 1,074,475 kWh/ Year

Location: The new solar array will be situated just south of the existing middle school array, utilizing the current fencing around the bus barn and the middle school array for seamless integration. To ensure optimal panel placement without interfering with the existing system, the site will be graded to level the existing hill. The energy generated by this new array will be directed to the elementary school for use





Exhibit B: Projected Savings

Year	Savings Est. for the School*
Year 1	\$ 101,893.26
Year 2	\$ 106,093.33
Year 3	\$ 110,418.49
Year 4	\$ 114,872.08
Year 5	\$ 119,457.57
Year 6	\$ 124,178.49
Year 7	\$ 129,038.48
Year 8	\$ 134,041.26
Year 9	\$ 139,190.66
Year 10	\$ 144,490.58
Year 11	\$ 149,945.07
Year 12	\$ 155,558.23
Year 13	\$ 161,334.31
Year 14	\$ 167,277.63
Year 15	\$ 173,392.65
Year 16	\$ 179,683.94
Year 17	\$ 186,156.17
Year 18	\$ 192,814.15
Year 19	\$ 199,662.80
Year 20	\$ 206,707.18
Year 21	\$ 213,952.46
Year 22	\$ 221,403.96
Year 23	\$ 229,067.13
Year 24	\$ 236,947.56
Year 25	\$ 245,050.97
Total	\$ 4,142,628.42

* Please note that all savings are estimated and are not guaranteed. Entrust Renewable Energy Partners LLC or any of its subsidiaries does not guarantee savings. Savings are based on several assumptions:

1. The facility will increase its need by 0.2% a year.
2. The utility company will increase its cost by 3% a year
3. The solar panels degrade at 0.5% every year



Exhibit B: Projected Savings (Continued)

Additional 5 Year Added to Term

Year	Savings Est. for the School*
Year 26	\$ 253,383.25
Year 27	\$ 261,950.43
Year 28	\$ 270,758.68
Year 29	\$ 279,814.35
Year 30	\$ 289,123.95
Add 5 yrs to Term	\$ 1,355,030.67
Total over 30 yrs Term	\$ 5,497,659.08

* Please note that all savings are estimated and are not guaranteed. Entrust Renewable Energy Partners LLC or any of its subsidiaries does not guarantee savings. Savings are based on several assumptions:

4. The facility will increase its need by 0.2% a year.
5. The utility company will increase its cost by 3% a year
6. The solar panels degrade at 0.5% every year



Exhibit C: Roof Improvement Quote and Scope of Work
(Attached)
Please see Full Roof Proposal for more Details



Elida Local School District - Fieldhouse
Attn: Joel Mengerink / Kalyn Bruce (EnTrust Renewable Energy Partners LLC) 301-325 Hillcrest Dr.,
Elida, Ohio 45807
Contact #: 419-331-4155 (Kalyne 260-435-0785)
Email: jmengerink@elida.k12.oh.us (Kalyn Bruce kbruce@entrustrep.com)
Date: October 8, 2024
Re: **New Duro-Tuff-Roof System for the Fieldhouse Investigation & Assessment of Existing Roof Conditions:**

The existing roof system consists of a standing seam metal roof. The existing roof is severely aged, with corrosion, and the coating on the metal panels has severe cracking with delamination occurring. The existing gutters and downspouts are severely corroded. Visible areas of the roof have been repaired. Visible areas of the roof have been repaired.

Damschroder Roofing Professional Recommendations:

It is highly recommended that this roof be recovered with a new Duro-Tuff PVC Retrofit Roof System to eliminate any more damage to the roof and or continued leaks.

Our Proposal/Scope of Work:

1. Remove and dispose of any existing spray foam around the stacks or metal panels.
2. Remove and dispose of the existing gutters and downspouts.
3. Cut back, remove, and dispose of the existing metal edge along the gutter edges for proper installation of the Duro- Tuff Roof System and new gutters.
4. Install 2 by wood blocking along all the perimeter edges to meet the new insulation height and for proper re- securement of the new Duro-Tuff Roof System gutters and metal trim.
5. Install a new 2"- 1.25# Expanded Polystyrene straight-cut flute fill into the lower flutes (Adding 8.8 R-value).



6. Install 1.5" Poly-ISO insulation on top of the high rib and over the existing flute fill and metal deck (Added R-value 8.8).
7. Install ¼" Dexcell Glass Matt Gyp cover board on top of the 1.5" poly-iso.
8. Install new white .060 mil Duro-Tuff over the entire roof over all parapet walls for complete encapsulation, including all necessary vents flashings, and terminations per the manufacturer's specifications.
9. Install no more than 772 U-Anchors (U2400-PVC) solar panel attachment points.
10. Install new 6" 24-gauge custom flange commercial gutters and 4x4 downspouts (Standard Kynar color to be selected by owner).
11. Install 2-piece compression metal at non-gutter perimeter roof edges (Standard Kynar color to be selected by owner).
12. After work is complete, our crew will leave all areas of the job site clean. Our own onsite job foreman will perform an inspection of the quality of your new roof. Duro-Last will then send their own Technical Representative for the final inspection of all onsite roof details.
13. Approximate Square Feet of Roof: 22,300
14. Approximate Square Feet of Material: 25,000 (Includes parapet membrane)
15. Approximate Project Duration: 16 - 22 days
16. Permit fees are required and are included in this scope of work.
17. *Provide Twenty Five-Year NDL, 100% non-prorated Labor and Material Warranty upon inspection by Duro- Last Inc. and final payment per terms. The Twenty Five-Year labor and material Warranty has no exclusions for ponding water or biological growth.*

For a Total Sum of \$362,291.00

Alternate # 1:

1. Recover the existing rolled asphalt roof system on the Lobby Entrance at the Fieldhouse.
2. Recondition existing functional drains and install new hardware and sealants.
3. Install 2 by wood blocking along all the perimeter edges for proper re-securement of the new Duro-Tuff Roof System gutters and metal trim.
4. Install a 3/8" Duro-Guard XPS separator sheet over entire roof areas and on all vertical parapet walls for proper installation of the Duro-Tuff Roof System.
5. Install new white 0.050 in. (50 Mil) Duro-Tuff over the entire roof deck up and over all parapet walls for complete encapsulation, including all necessary vents flashings, and terminations per the Manufacturer's specifications.
6. Install 2pc. piece compression metal as well as the necessary edge extender at perimeter roof edges **(Standard Kynar color to be selected by owner).**

Add: \$19,839.00



****The owner is responsible for notifying Damschroder Roofing of any company-specific safety policy above and beyond OSHA requirements.**

Your scope of work does not include any applicable Governmental codes, permits, fees, or licenses, HVAC alteration, lighting, lightning protection or electrical alterations, satellite dish or antenna re-calibration, or snow removal unless otherwise specified.

Damschroder Roofing Inc. and its subcontractors are not responsible for existing building conditions such as but not limited to, leaking walls, windows, gutters, interior drains, pipes, air conditioner equipment, ducts, vents, fans, parapets, mansards, water lines, masonry walls, adjacent roofs, skylights, trim, existing water damage to the interior of the building (walls, ceilings, floors, etc.), hidden conduit within or below the existing roofing system, spray on fireproofing or the existence of mold.

"Any and all reclaimed building materials become the property of Damschroder Roofing, Inc. upon contract signing."

Please note: Deck replacement due to saturated and/or deteriorated decking and/or additional work orders are priced at \$90.00 per hour plus materials.

Please note: Due to the volatile market for roofing materials, any price change in material cost at the delivery date will result in a corresponding price change to this contract.

ACCEPTANCE OF PROPOSAL – These prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined below.

A payment of 60% is due 15 days prior to ordering materials. An invoice will be sent via your preferred billing method. All balances paid with credit cards will have a 5% convenience fee added. Balance upon completion, past due accounts, will be charged 1-1/2% finance charge per month; 18% per annual.

Respectfully Submitted,

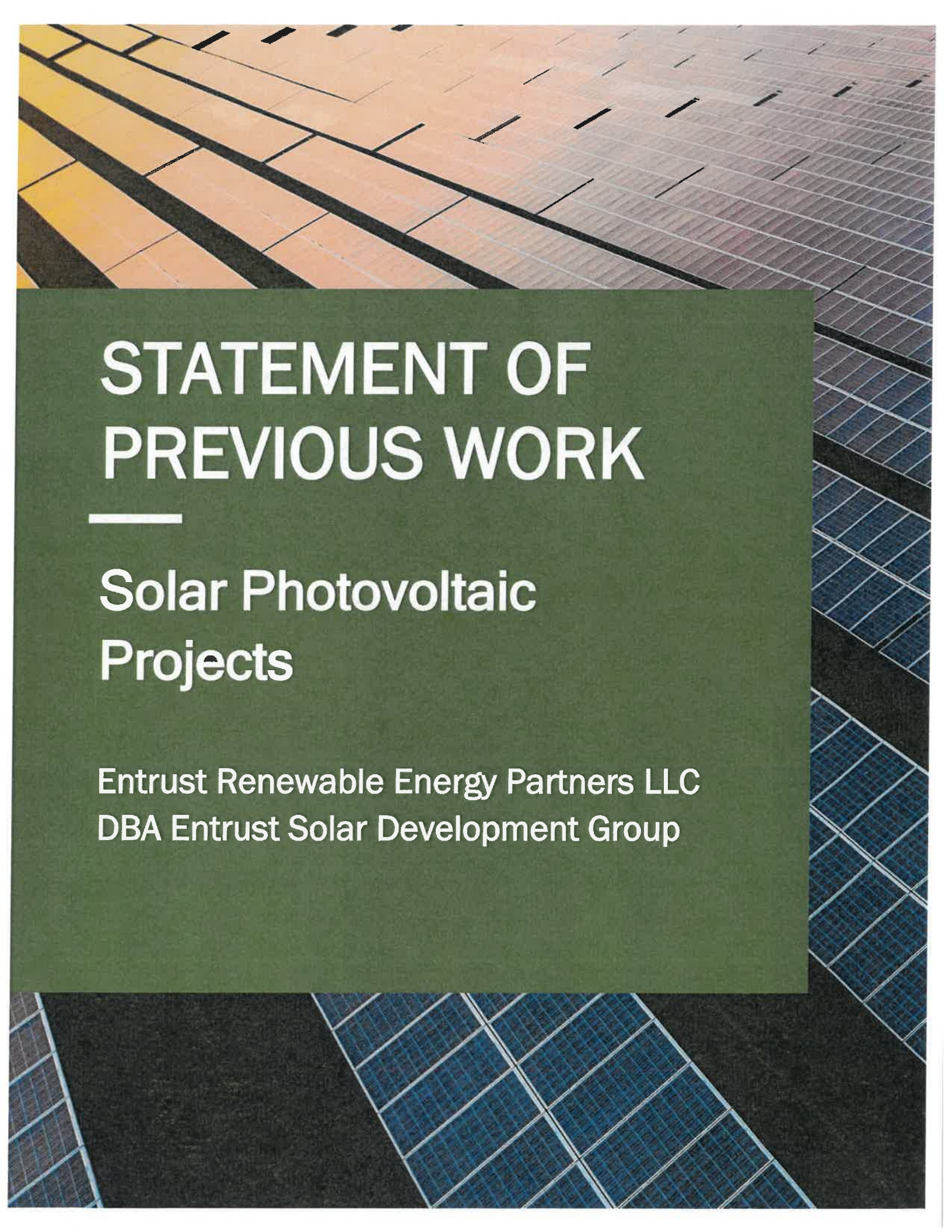
Coy Beckley

Coy Beckley
Technical Roofing Specialist

Metal	Color	Selection
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This proposal is valid for 30 days.

Please sign and return the original proposal and keep the copy for your records.

An aerial photograph of a large solar farm. The image shows rows of solar panels in different stages of installation or types. Some panels are orange-brown, while others are dark blue. They are arranged in a grid-like pattern across a dark, possibly grassy or paved, area.

STATEMENT OF PREVIOUS WORK

Solar Photovoltaic Projects

Entrust Renewable Energy Partners LLC
DBA Entrust Solar Development Group

Our extensive portfolio of solar energy projects demonstrates our commitment to providing innovative, cost-effective renewable energy solutions across multiple regions. The following report outlines our major solar installations, showcasing our expertise in delivering sustainable energy solutions to diverse communities in Ohio and Indiana.



Antwerp Solar Project

Entity: SUT I

Location: Antwerp, OH

Installed Capacity: 1,033.6 kWDC (840.33 kWAC)

Annual Production: 1,303,850 kWh

Build Cost: \$1,308,578

COD: December 1, 2017

The Antwerp project provided a critical source of renewable energy, generating over 1.3 million kWh annually, benefiting the local grid and reducing carbon emissions. This project reflects our capacity to handle large-scale solar deployments efficiently and effectively.



Onsted Solar Project

Entity: SUT XX

Location: Onsted, MI

Installed Capacity: 1,019.2 kWDC (849.33 kWAC)

Annual Production: 1,217,052 kWh

Build Cost: \$1,322,640

COD: September 3, 2018

The Onsted project, located in Michigan, contributes over 1.2 million kWh annually. This project highlights our ability to implement solar energy solutions across state lines, delivering substantial energy production in diverse geographical settings.



NELSD (Tinora) Solar Project

Entity: SUT II

Location: Defiance, OH

Installed Capacity: 1,010 kWDC (841.67 kWAC)

Annual Production: 1,282,887 kWh

Build Cost: \$1,341,792.60

COD: October 18, 2018

Serving a key educational institution, this project highlights our commitment to sustainability in academic settings. The Tinora project offsets significant energy costs for the institution while promoting environmental responsibility.



Holgate Solar Project

Entity: SUT IV

Location: Holgate, OH

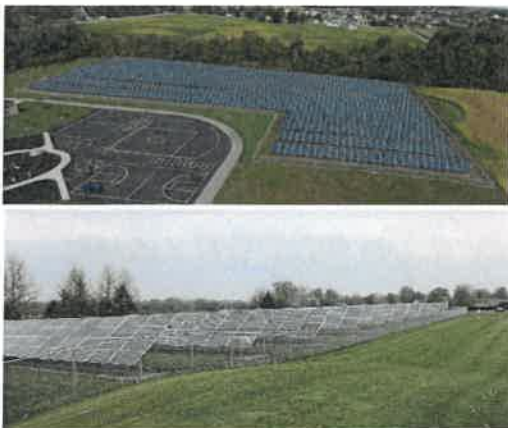
Installed Capacity: 236 kWDC (196.67 kWAC)

Annual Production: 308,777 kWh

Build Cost: \$330,372

COD: November 13, 2018

The Holgate project showcases the scalability of solar energy systems, providing a smaller community with a renewable energy solution that meets its needs efficiently.



Wauseon Solar Project

Entity: SUT V

Location: Wauseon, OH

Installed Capacity: 1,204.7 kWDC (1,003.92 kWAC)

Annual Production: 1,543,664 kWh

Build Cost: \$1,660,569.57

COD: December 23, 2019

This project is broken up over two sites. The site at the middle school 931.5 kWDC and the Primary school site is 273.2 kWDC. These two sites combined contributing over 1.5 million kWh annually to the districts's energy consumption and significantly reducing environmental impact.



Ayersville Solar Project

Entity: SUT VI

Location: Defiance, OH

Installed Capacity: 894.24 kWDC (745.2 kWAC)

Annual Production: 1,135,848 kWh

Build Cost: \$1,314,533

COD: April 30, 2020

The Ayersville project serves as a critical renewable energy source for Defiance, producing over 1.1 million kWh annually. This project exemplifies our expertise in developing mid-sized solar installations for rural communities.



Elida Solar Project

Entity: SUT VII

Location: Elida, OH

Installed Capacity: 2,080.04 kWDC (1,733.37 kWAC)

Annual Production: 2,374,946 kWh

Build Cost: \$2,999,203

COD: February 5, 2020

As one of the largest installations in our portfolio, the Elida project generates nearly 2.4 million kWh annually, underscoring our capability to handle large-scale renewable energy projects with significant positive impacts on the community.



Millcreek-West Unity Solar Project

Entity: SUT VIII

Location: West Unity, OH

Installed Capacity: 692.64 kWDC (577.2 kWAC)

Annual Production: 900,172 kWh

Build Cost: \$1,080,518

COD: August 17, 2020

The Millcreek-West Unity project delivered a mid-sized solar installation, providing over 900,000 kWh annually to the West Unity community. This project highlights our ability to scale solar energy solutions to fit the needs of both smaller and mid-sized towns.

**Liberty Center Solar Project****Entity:** SUT IX**Location:** Liberty Center, OH**Installed Capacity:** 612.7 kWDC (510.58 kWAC)**Annual Production:** 789,404 kWh**Build Cost:** \$943,558**COD:** August 17, 2020

The Liberty Center project further solidifies our ability to implement mid-size solar installations, helping this community meet its energy needs while cutting costs and emissions.

**Swanton Solar Project****Entity:** SUT X**Location:** Swanton, OH**Installed Capacity:** 621 kWDC (517.5 kWAC)**Annual Production:** 806,423 kWh**Build Cost:** \$906,660**COD:** March 22, 2021

The Swanton project is another example of how our solar solutions provide substantial energy savings and environmental benefits to smaller communities, generating over 800,000 kWh annually.

**Hamilton Schools Solar Project****Entity:** SUT XII**Location:** Hamilton, IN**Installed Capacity:** 515 kWDC (418.7 kWAC)**Annual Production:** 675,527 kWh**Build Cost:** \$875,600**COD:** February 2, 2024

This ongoing project demonstrates our commitment to providing sustainable energy solutions for educational institutions. Upon completion, the project will contribute significantly to the energy needs of Hamilton Schools, reducing both costs and emissions.

Conclusion: These projects collectively demonstrate our ability to design and implement solar energy systems that meet diverse community needs, from small towns to large educational institutions. By leveraging innovative technologies and maintaining a commitment to sustainability, we continue to build a greener, more energy-efficient future.

Contact Information

Kalyn Bruce

Partner

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Mailing address:

10080 N River Road

New Haven IN 46774

Michael Campo

Partner

312-285-6922

mcampo@entrustrep.com

Website:

www.entrustrenewables.com

Name of Project	State	Estm. KW DC size	Type of Offtaker	Expected PPA Signing Quarter	Year	Mount	Rough Cost Estm. Based off \$1.60/watt	Stage	Notes
Woodmoore LSD	OH	800	School	Signed	Cons Ready	Ground	\$ 1,280.00	Signed Contract- NTP	
Hamilton Community School	IN	515	School	Signed	Cons Start	Ground	\$ 824.00	Signed Contract- NTP	
Defiance College	OH	1200	School	Q1	2023	Carport	\$ 2,700.00	Engineering & Contract review	This system is likely going have a cost of \$2.25/watt due to carport
Port Clinton LSD	OH	1500	School	Q1	2023	Ground	\$ 2,400.00	preliminary engineering	
Elda (Elementary School)	OH	1000	School	Q2	2023	Ground	\$ 1,600.00	preliminary engineering	
Chyde Greenspring LSD	OH	1500	School	Q1	2023	Ground	\$ 2,400.00	Energy Audit	This would be an additional array for a district that already has two arrays with ECM
Danbury LSD (Lakeside)	OH	500	School	Q3	2023	Ground	\$ 800.00	Energy Audit	
Oakharbour LSD	OH	1500	School	Q3	2023	Ground	\$ 2,400.00	Energy Audit	
Paulding - Water Treatment Plant	OH	1200	Municipality	Q2	2023	Ground	\$ 1,920.00	preliminary engineering	
Reading Community Schools	MI	300	School	Q2	2023	Roof/ Carport	\$ 480.00	Energy Audit	Reading would also be interested in a community project if possible.
Hamilton Water Conservation District	IN	800	Municipality	Q3	2023	Ground	\$ 1,280.00	Energy Audit	This system would likely need to be a ballast system due to condition of ground.
Hillsdale LSD	OH	750	School	Q1	2023	Ground	\$ 1,200.00	Energy Audit	
Georgetown - Village	OH	2000	Municipality	Q2	2023	Ground	\$ 3,200.00	cultivating relationship	
Hamilton - Town buildings	IN	150	Municipality	Immediate	2022	Roof	\$ 240.00	preliminary engineering	The village of Hamilton would like to put solar on all of their municipal buildings.
Elmwood LSD	OH	1000	School	Q2	2023	Ground	\$ 1,600.00	Energy Audit	
Northmore	OH	650	School	Q2	2023	Ground	\$ 1,040.00	cultivating relationship	
Defiance LSD	OH	700	School	Q2	2023	Ground	\$ 1,120.00	Energy Audit	
Clearview	OH	500	School	Q3	2023	Ground	\$ 800.00	Energy Audit	
Antwerp - Village	OH	2000	Municipality	Q3	2023	Ground	\$ 3,200.00	cultivating relationship	
Four County Career Center	OH	1200	School	Q3	2023	Ground	\$ 1,920.00	Energy Audit	
Montpelier	OH	1100	Municipality	Q3	2023	Ground	\$ 1,760.00	Energy Audit	
Paulding - Village	OH	7500	Municipality	Q3	2023	Ground	\$ 12,000.00	cultivating relationship	The town has land they would like to use in a VPPA strategies
Sauder Village	OH	1500	Private Nonprofit	Q3	2023	Ground	\$ 2,400.00	cultivating relationship	They are very interested however they just finished a huge capital project and they are recovering from 2020
White House LSD	OH	1000	School	Q4	2023	Ground	\$ 1,600.00	Energy Audit	
Frankfort Park District	IL	1500	Municipality	Q4	2023	Ground	\$ 2,400.00	cultivating relationship	
Manhattan Park District	IL	1500	Municipality	Q4	2023	Ground	\$ 2,400.00	cultivating relationship	
Manhattan School District	IL	1500	Municipality	Q4	2023	Ground	\$ 2,400.00	cultivating relationship	
Mokena Park District	IL	1500	Municipality	Q4	2023	Ground	\$ 2,400.00	cultivating relationship	
Stryker LSD	OH	300	School	Q4	2023	Roof	\$ 480.00	Energy Audit	
Circleville	OH	800	School	Q4	2023	Ground	\$ 1,280.00	cultivating relationship	
Columbus Water Reclamation District	OH	2000	Municipality	Q4	2023	Ground	\$ 3,200.00	cultivating relationship	
Edgerton Water treatment/hybrid commercial	OH	1000	Municipality	Q1	2024	Ground	\$ 1,600.00	cultivating relationship	
Bluffton OH	OH	1000	Municipality	Q1	2024	Ground	\$ 1,600.00	cultivating relationship	
Bowling Green LSD	OH	1000	School	Q1	2024	both	\$ 1,600.00	cultivating relationship	
Circleville Town	OH	1500	Municipality	Q1	2024	Ground	\$ 2,400.00	cultivating relationship	
Delta Pike York	OH	700	School	Q1	2024	Ground	\$ 1,120.00	cultivating relationship	
Fairview	OH	700	School	Q1	2024	Ground	\$ 1,120.00	cultivating relationship	
Fostoria	OH	1000	School	Q1	2024	Ground	\$ 1,600.00	cultivating relationship	
lake school	OH	700	School	Q1	2024	Ground	\$ 1,120.00	cultivating relationship	
Lakota - Water Treatment	OH	1500	Municipality	Q1	2024	Ground	\$ 2,400.00	cultivating relationship	
Lakota LSD	OH	700	School	Q1	2024	Ground	\$ 1,120.00	cultivating relationship	
Napoleon Schools	OH	900	School	Q1	2024	Ground	\$ 1,440.00	cultivating relationship	
YMCA Defiance	OH	900	Private Nonprofit	Q1	2024	Ground	\$ 1,440.00	cultivating relationship	

Kenton Elem	OH	1000	School	Q2	2024	Ground	\$ 1,600.00	cultivating relationship	
Springboro	OH	1000	School	Q2	2024	Ground	\$ 1,600.00	cultivating relationship	
Tiffin	OH	1000	School	Q2	2024	Ground	\$ 1,600.00	cultivating relationship	
Northwestern State Community College	OH	2500	School	Q2	2024	Ground	\$ 4,000.00	Energy Audit	This school is finishing up a ECM improvement project and would like to wait until that is completed before starting a solar project.
Leipsick	OH	1000	School	Q3	2024	Ground	\$ 1,600.00	cultivating relationship	
Pioneer	OH	1000	School	Q3	2024	Ground	\$ 1,600.00	cultivating relationship	
Vanguard	OH	1000	School	Q3	2024	Ground	\$ 1,600.00	cultivating relationship	
ADA	OH	1000	School	Q4	2024	Ground	\$ 1,600.00	cultivating relationship	
N Baltimore	OH	1000	School	Q4	2024	Ground	\$ 1,600.00	cultivating relationship	
Steuben County Economic Development	IN	5000	Municipality/ Other	Q4	2024	Ground	\$ 8,000.00	cultivating relationship	The economic development group would like build out solar in several projects in Steuben County. Looking at a total of about 5MW worth of projects.



2625 East State Street * Fremont, Ohio 43420
Phone: 419-332-5000 * Fax: 419-334-5000 * www.damschroderroofing.com

Elida Fieldhouse - Roofing & Solar Project



**301-325 Hillcrest Dr.,
Elida, OH 45807**

Proposal Prepared By
Coy Beckley
Technical Roofing Specialist





Damschroder

Roofing Inc.

Your Roof. Our Reputation.

45 YEARS
OF SERVICE
since 1976

(419) 332-5000

INFO@DAMSCHRODERROOFING.COM

DAMSCHRODERROOFING.COM

CAPABILITIES STATEMENT

Damschroder Roofing Inc. is a full-service roofing company. We provide unsurpassed workmanship and expertise in commercial roofing as well as proactive maintenance and repairs. Our technicians are masters in the industry, and our customer service extends far beyond the completion of your roofing project.

SERVICES

- Commercial Roofing
- Roof Maintenance
- Roof Coatings
- On-Site Inspections
- Preventative Maintenance
- Tiered Maintenance Program
- Extended Warranties
- Life Cycle Cost Analysis



CERTIFICATIONS

Duro-Last Roofing, Inc.
Versico Roofing Systems
Elevate (Firestone TPO)

PARTNERSHIPS

Safety Council of NW Ohio
BWC Drug-Free Workplace
OSHA Certified
NRCA, MRCA, ORCA



AWARDS & RECOGNITION

Damschroder Roofing has been an award-winning contractor since 1982. We are proud to accept the following awards & recognition

- Duro-Last Platinum Contractor
- Duro-Last Golden Eagle Award
- Versico Gold Medal Quality Award
- A+ Service Award 6x
- Versico Excalibur Award
- 100% Workplace Injury Free
- BBB a+ Rating
- DL Sustainability Project of the Year 2024

GOVERNMENT

DUNS: 040789734

FEIN: 34-2037110

SIC: 176104103

NAICS:

238160 Roofing Contractor

624230 Emergency Relief

561210 Facility Support



RECOGNIZABLE PROJECTS

ProMedica
ODOT
TARTA

The Ohio Turnpike
Public Storage
Sandusky County

The Ohio State University
The Andersons, Inc.
Dayton Correctional

Church & Dwight
Cleveland Metroparks
Taco Bell

YOUR METAL BUILDING DESERVES TO BE

COVERED BY THE BEST



 **DURO-*LAST***[®]
THE WORLD'S BEST ROOF[®]

Upgrade and Protect
Your Metal Roof with a

Duro-Last® Roofing System.

AFTER

BEFORE

While metal roofs might offer lower initial installation costs, that cost doesn't factor in protection from temperature extremes, exposure to the elements, along with rust and corrosion – all things that compromise your metal roof's integrity. Unfortunately, metal roofs are susceptible to a number of problems that lead to leaks and larger repair and maintenance budgets.

**Installing a Duro-Last
Roofing System over your
metal roof means:**



No more metal
seam and
fastener problems.



No more cracks
or leaks around
penetrations.

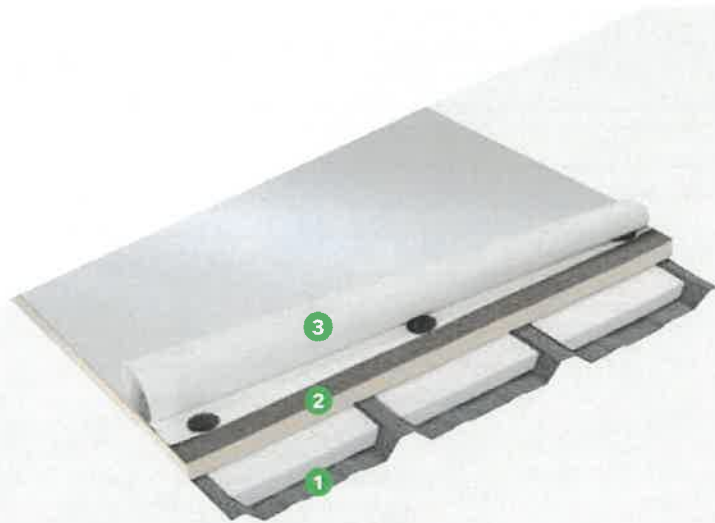


No more
rust or
corrosion.

The Duro-Last Difference

Duro-Last Roofing Systems can be installed directly over your existing metal deck with no expensive or disruptive tear-off. Each of our flexible PVC membranes offers resilient, watertight coverage – making Duro-Last a cost-effective, long-term solution to protect your building against the elements, as well as rust and corrosion.

Additionally, our formulation is proven. As the industry leader in custom-fabricated PVC roofing systems, Duro-Last manufactures a variety of roofing membranes that offer a history of resilient protection and durability. From our flagship custom-fabricated Duro-Last Membrane to our high-quality membrane rolls including Duro-Tuff® and Duro-Fleece®, we can help you find the solution for your aging metal roof.



- 1 Metal flutes are insulated with custom pre-cut Duro-Guard® insulation or Duro-Guard EPS Flute Fill Combo.
- 2 Another layer of insulation is added, if necessary, to ensure a flat surface and increase R-value.
- 3 A Duro-Last membrane is mechanically fastened over the insulation.

One-Of-A-Kind Solutions for One-Of-A-Kind Roofs

With our custom-fabricated roofing systems – which can include both membrane and accessories – up to 85% of the seams can be completed in our factory-controlled environment. This eliminates most of the on-site fabrication that can lead to roof leaks. The results are a long-lasting, reliable roof.



1,278

- Duro-Last Custom-Fabricated Roofing System - 5' Laps
- Custom-Fabricated Membrane Sheets
- Linear Feet of Field Seams - 1,278 (Green)

(Blue lines represent Duro-Last factory seams)



5,130

- 10' Wide Roll Good Systems
- Linear Feet of Field Seams - 5,130

*All buildings are 50,000 square feet.



7,968

- 6' Wide Roll Good Systems
- Linear Feet of Field Seams - 7,968

Superior Protection for your Building and Your Budget

A Duro-Last Roofing System protects your commercial building with industry leading warranties and your budget with long-term energy savings.



High Reflectivity, Low Energy Bills

By reflecting up to 88% of the sun's energy, Duro-Last white roofing systems can greatly reduce energy costs. This makes Duro-Last the ideal cool roof option. These energy savings are not just for warm climates. A recent analysis demonstrates that the peak demand and net energy savings offered by cool roofs are available for both new and existing air conditioned buildings in all climates within North America.



The Best Warranties in the Industry

Duro-Last warranties provide unparalleled protection for virtually all commercial roofing applications. We have warranty options to suit your needs, including hail and high-wind warranties.



For more information
give us a call or visit
our website today.

800.248.0280
duro-last.com

Duro-Last is a division of Holcim Solutions and Products US, LLC.
"Duro-Last", "Duro-Tuff", "Duro-Fleece", "Duro-Guard", and the "World's Best Roof" are registered trademarks owned by Holcim Solutions and Products US, LLC.
Metal Retrofit Brochure ORIG: 8.10.17 REV: 12.8.23 - DL020007

DURO-GUARD® EPS TYPE I

FLUTE FILLER

Description:

Duro-Guard® EPS Type I, for use as flute filler within metal retrofit roof systems, is a premium insulation consisting of a superior closed-cell, lightweight and resilient expanded polystyrene (EPS). It meets or exceeds the requirements of ASTM C 578, *Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation*.

- Available in both straight and taper-cut panels to conform to metal flute configurations.
- Provides long-term thermal insulation value.
- Does not contain CFCs or HCFCs.
- Superior moisture resistance.
- 100% recyclable.
- Available in 1.0 pcf density per ASTM C 578.
- Refer to Table 2 for physical properties.

Recommended Uses:

- Flute filler **only** within metal retrofit roof systems.

Underwriters Laboratories Inc.:

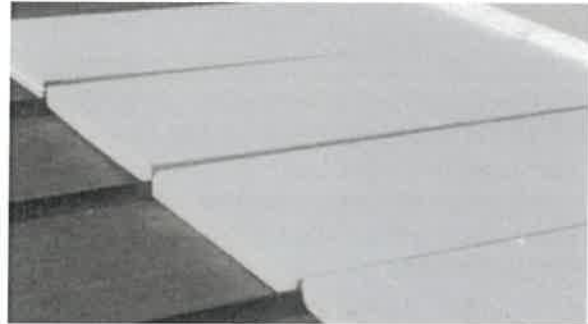
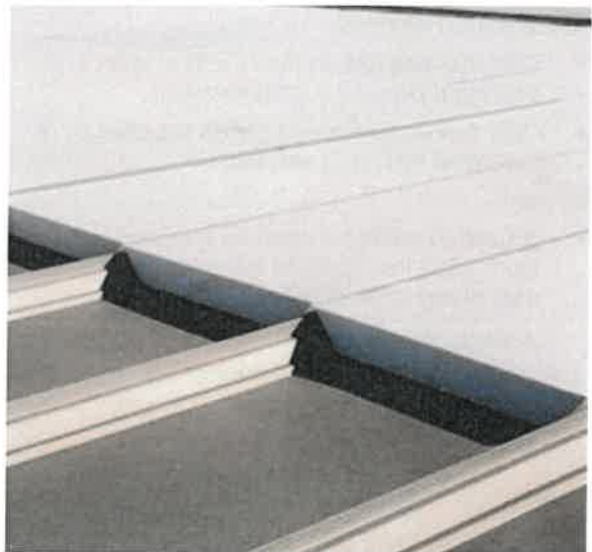
- Refer to the Duro-Last® UL Listings (TGFU.R10128) for assembly details (www.ul.com).

Factory Mutual Global:

- Refer to RoofNav® for details on FM Approved systems (www.roofnav.com).

Panel Sizes:

- Length: 4 ft. (1220 mm) or 8 ft. (2440 mm).
- Width: Custom (straight or taper-cut).
- Thickness: Up to 4 in. (102 mm).

**Straight-Cut Flute Filler****Taper-Cut Flute Filler****Installation below ISO and Duro-Last membrane**

Installation:

- Refer to Detail Drawing 8005 for rigid board insulation and cover board requirements above the flute filler.
- Duro-Guard fan fold **must not** be used above Duro-Guard EPS Type I. Refer to Detail Drawing 8000 for requirements when using Duro-Guard fan fold.
- Flute filler must be kept dry before, during and after installation. Install only as much flute filler as can be covered the same day with completed roofing.
- Abut flute filler edges together.

Panel Attachment:

- Flute filler may be attached to the roof deck using mechanical fasteners or insulation adhesive. It is acceptable to use these products in combination.

Mechanically Fastened

- Hold the flute filler in place with at least 1 approved Duro-Last plate/fastener.
- Only use fasteners and plates supplied by or approved by Duro-Last, Inc.

Adhered

- Insulation adhesive must be supplied by Duro-Last, Inc. Refer to the adhesive's product data sheet for application guidelines.
Acceptable products:
 - Duro-Grip® insulation adhesives.
- Maximum flute filler length is 4 ft. when adhering.

Storage:

- Flute filler must be protected from open flame and kept dry at all times.
- Factory-applied packaging is intended only for protection during transit. Slit or remove the packaging to prevent accumulation of condensation.
- Store elevated (at least 3 inches) and completely covered with a weatherproof covering such as a tarpaulin.
- Do not use flute filler which is wet or damaged.

TABLE 1. TYPICAL THERMAL VALUES

Thickness*		R-Value
Inches	mm	Type I
1.00	25	3.9
1.50	38	5.8
2.00	51	7.8
2.50	64	9.7
3.00	76	11.7
3.50	89	13.6
4.00	102	15.6

TABLE 2. TYPICAL PHYSICAL PROPERTIES

Property	Test Method	Type I
Density (nominal)	ASTM C 303	1.00 pcf
R-Value (per inch) @25°F @40°F @75°F	ASTM C 518 or C 177	4.35 4.17 3.85
Compressive Strength (10% deformation)	ASTM D 1621	10 psi
Flexural Strength	ASTM C 203	25 psi
Dimensional Stability	ASTM D 2126	≤ 2.0%
Water Vapor Permeance (at 1 inch thick)	ASTM E 96	5.0 perm
Water Absorption	ASTM C 272	3.0%
Flame Spread	ASTM E 84	< 20
Smoke Developed	ASTM E 84	150 - 300

Limitations:

- Duro-Last, Inc. will not be responsible or liable for any defects or problems related to building or roof design by others, to deficiencies in construction, to dangerous conditions on the job site, or to improper storage, handling or installation by others.

DURO-GUARD® ISO II

FLAT AND TAPERED PANELS

Description:

Duro-Guard® ISO II is a closed-cell polyisocyanurate foam core insulation board with an integrally laminated, fiber-reinforced facer which is compatible with Duro-Last® roof membranes.

- Available in both flat and tapered panels in order to meet thermal insulation needs as well as provide slope for proper roof drainage.
- Manufactured with a blowing agent that has zero ozone depletion potential (ODP) and virtually no global warming potential (GWP).
- Approved for direct application to steel and other deck types.
- Available in two grades of compressive strength per ASTM C 1289:
 - Type II, Class 1, Grade 2 (20 psi).
 - Type II, Class 1, Grade 3 (25 psi).
- Refer to Table 3 for physical properties.

Recommended Uses:

- Mechanically attached Duro-Last roof systems.
- Adhered/Fully Bonded Duro-Last roof systems.
- Duro-Bond® roof systems.
- Metal retrofit roof systems.

Underwriters Laboratories, Inc. Classifications:

- UL 1256.
- Insulated Metal Deck Constructions:
 - No. 120, 123, 292.
- UL 790.
- UL 263 Hourly Rated P Series Roof Assemblies.
- UL Classified for use in Canada.

Factory Mutual Approvals:

- FM 4450, FM 4470.
- Approved for Class 1 insulated steel, wood, concrete and gypsum roof deck construction.
- Refer to FM Approval's RoofNav for details on FM Approved systems (www.roofnav.com).

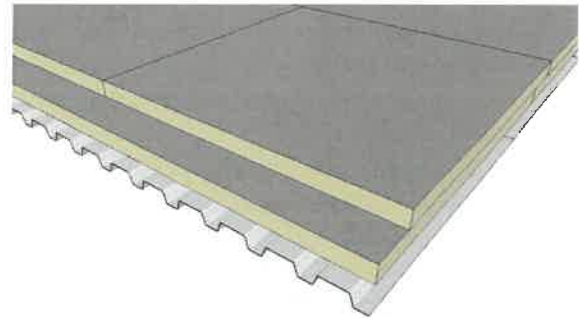


Figure 1. Duro-Guard ISO II Flat On Steel Deck

Flat Panels:

- Available sizes:
 - 4 ft. x 4 ft.
 - 4 ft. x 8 ft.
- Thicknesses: 1 to 4 inches.
- Refer to Table 2 for R-value and flute spanability.

Tapered Panels:

- Available sizes:
 - 4 ft. x 4 ft.
- Thicknesses: ½ to 4-½ inches.
- Precut miters and crickets are also available.
- Taper designs and shop drawings available.

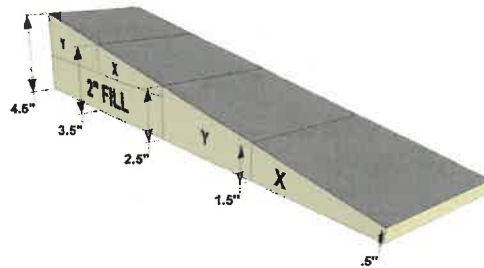


Figure 2. Duro-Guard ISO II Taper

TABLE 1. TYPICAL TAPER PANEL DIMENSIONS

ID	SLOPE*		SIZE	MIN	MAX
Q	½" per ft.	4%	4 ft. x 4 ft.	½"	2-½"
QQ	½" per ft.	4%	4 ft. x 4 ft.	2-½"	4-½"
X	¼" per ft.	2%	4 ft. x 4 ft.	½"	1-½"
Y	¼" per ft.	2%	4 ft. x 4 ft.	1-½"	2-½"
Z	¼" per ft.	2%	4 ft. x 4 ft.	2-½"	3-½"
G	¼" per ft.	2%	4 ft. x 4 ft.	1"	2"
H	¼" per ft.	2%	4 ft. x 4 ft.	2"	3"
AA	⅛" per ft.	1%	4 ft. x 4 ft.	½"	1"
A	⅛" per ft.	1%	4 ft. x 4 ft.	1"	1-½"
B	⅛" per ft.	1%	4 ft. x 4 ft.	1-½"	2"
C	⅛" per ft.	1%	4 ft. x 4 ft.	2"	2-½"

* Contact Duro-Last for additional slope options.

Installation:

- Panels must be kept dry before, during and after installation. Install only as much insulation as can be covered the same day with completed roofing.
- The use of multiple layers of insulation with joints staggered a minimum of 6 inches between layers is recommended to eliminate thermal bridging.
- Abut panel edges together and stagger joints of adjacent panels.
- Boards must be neatly fitted to roof deck and around penetrations with no gaps greater than ¼ inch.
- Refer to the appropriate Duro-Last roof system specification and detail drawings for deck preparation and attachment requirements.
- Precautions must be taken to ensure that new concrete decks have fully hydrated and do not continue to release moisture.

Panel Attachment:

- Panels may be attached to the roof deck using mechanical fasteners, insulation adhesive or hot bitumen. It is acceptable to use these products in combination.

Mechanical Attachment

- When installing multiple layers (which may include insulation, cover boards and thermal barriers) it is acceptable to mechanically secure through all layers.
- Use fasteners and plates supplied by or approved by Duro-Last, Inc.

Adhesive Attachment

- Insulation adhesive must be supplied by Duro-Last, Inc. Refer to the adhesive's product data sheet for application guidelines. Acceptable products:
 - Duro-Grip® Insta-Stik™.
 - Duro-Grip Olybond®.
 - Duro-Grip Millenium Weather-Tite®.
 - Duro-Grip CR-20.
- Subsequent layers of insulation and approved cover boards may be attached with insulation adhesive.
- Maximum panel dimensions are 4 ft. x 4 ft.

Hot Bitumen Attachment

- When using hot bitumen on concrete decks, priming is necessary.
- Temperature of the bitumen shall be approximately 50° F below the inter-ply hand mopping EVT.
- The deck shall be dry and care must be taken to apply the bitumen in sufficient quantity to totally cover the available deck surface.

TABLE 2. THERMAL VALUES

THICKNESS*		LTTR	FLUTE SPANABILITY	
inches	mm	R-VALUE	inches	mm
1.00	25	5.70	2.625	67
1.50	38	8.60	4.375	111
1.60	41	9.10	4.375	111
1.70	43	9.70	4.375	111
2.00	51	11.40	4.375	111
2.50	64	14.40	4.375	111
2.60	66	15.00	4.375	111
2.70	69	15.60	4.375	111
2.90	74	16.80	4.375	111
3.00	76	17.40	4.375	111
3.30	84	19.20	4.375	111
3.50	89	20.50	4.375	111
3.60	91	21.10	4.375	111
4.00	102	23.60	4.375	111

* Contact Duro-Last for additional thickness options.

TABLE 3. TYPICAL PHYSICAL PROPERTIES

Compressive Strength	ASTM D 1621 ASTM C 1289	Grade 2	20 psi (138 kPa)
		Grade 3	25 psi (172 kPa)
Dimensional Stability	ASTM D 2126	2% linear change (7 days)	
Moisture Vapor Transmission	ASTM E 96	< 1 perm (85.0 ng/Pa·s·m²)	
Water Absorption	ASTM C 209	< 1% volume	
Service Temperature		-40° to 200° F (-40° to 93° C)	

- To ensure embedment, the board shall also be "stepped in" at several points while the bitumen is still hot enough to allow positive attachment.
- Maximum panel dimensions are 4 ft. x 4 ft.
- Any roof membrane contaminated with bitumen must be replaced.

Storage:

- Insulation must be protected from open flame and kept dry at all times.
- Factory applied packaging is intended only for protection during transit. Slit or remove the packaging to prevent accumulation of condensation.
- Store elevated (at least 3 inches) and completely covered with a weatherproof covering such as a tarpaulin.
- Do not use panels which are wet or damaged.
- Refer to PIMA Technical Bulletin No. 109: *Storage and Handling Recommendations for Polyiso Roof Insulation* for additional guidelines (www.pima.org).

Limitations:

- Duro-Last, Inc. will not be responsible or liable for any defects or problems related to building or roof design by others, to deficiencies in construction, to dangerous conditions on the job site, or to improper storage, handling or installation by others.

DURO-TUFF® 60-MIL MEMBRANE

Advantages:

Duro-Last® Duro-Tuff® 60-Mil (DT60) is an excellent choice for low-slope roof projects requiring a long lasting, energy efficient roofing membrane. A complete line of custom-fabricated accessories is available for use with DT60.

Description:

Duro-Tuff membrane incorporates a weft-inserted, knitted scrim within PVC films to provide exceptional strength and waterproofing.

Duro-Tuff membranes must not be used with Duro-Last EV membranes.

PVC Film – Proprietary thermoplastic PVC formulation of resins, plasticizers, stabilizers, biocides, flame retardants, and U.V. absorbents.

- PVC film above weft-inserted scrim – 31 mil, nominal

Weft-Inserted Scrim – An 18 x 9 polyester fabric construction with weft insertion, composed of 840 x 1000 denier threads, provides superior tear and puncture resistance. The polyester thread is treated to prevent wicking.

Total Thickness – 60 mil, nominal.

Weight – 0.35 lb. per square foot.

Color – Top surface: white. Bottom surface: light gray.

R-Value – 0.1 R (0.1 ft²·°F·hr/Btu).

Packaging – DT60 is supplied in the roll sizes shown below. A full pallet contains ten rolls.

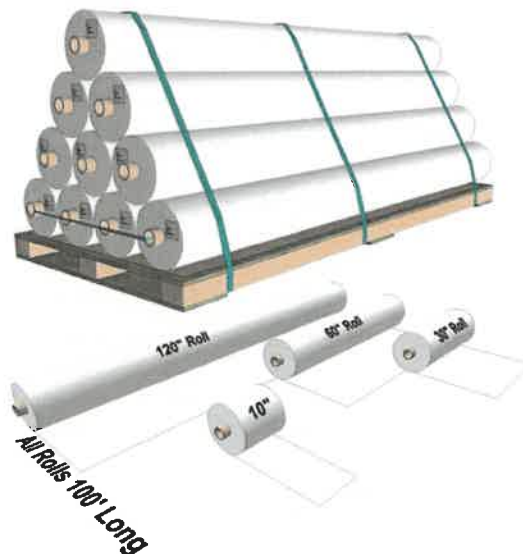
Roll Dimensions

Dimensions	Approximate Coverage		Approximate Weight
	6" Overlap ¹	4" Overlap ²	
120 in. x 100 ft.	950 sq. ft.	967 sq. ft.	350 lb.
60 in. x 100 ft.	450 sq. ft.	467 sq. ft.	175 lb.
30 in. x 100 ft.	200 sq. ft.	217 sq. ft.	88 lb.
10 in. x 100 ft.	Stripping		29 lb.

¹ 6 inch overlap and use of Duro-Last Poly or Cleat Plates®.

² 4 inch overlap and use of Duro-Last Oval Metal Plates.

Overlap Line – A line, 6 inches from one edge of the sheet, is factory-applied to the top of the sheet to assist in maintaining proper overlap between sheets.



Seam Plate and Fastener Placement Guides –

“X”s are placed at 6-inch intervals along one edge of the sheet to assist in maintaining proper spacing between fasteners. Install fasteners so that the outside edge of the seam plate is flush with the edge of the sheet.

“T-Lap” Patches – A patch, with rounded corners, is required at all lap areas where 3 or more layers of membrane intersect (“T-Lap”). The minimum size of the patch is 4 x 4 inches or 4-inch diameter. Patches can be made of either DT or DL membrane of any thickness. Refer to Detail Drawing RG1066.

Energy Efficiency:

White DT60 is an excellent product for complying with California Title 24, LEED® and other energy efficiency programs requiring the use of a highly reflective roof membrane.

Cool Roof Rating Council (CRRC)

	CRRC ID	Solar Reflectance		Thermal Emittance		Solar Reflective Index (SRI)	
		Initial	3-yr	Initial	3-yr	Initial	3-yr
White	0610-0008	0.85	0.73	0.89	0.88	108	90

LEED-NC & LEED-EB Credits – White DT60 alone can obtain 1 credit in either U.S. Green Building Council's LEED-NC or LEED-EB programs. In combination with other design criteria the membrane may help attain other credits.

LEED-NC Credit Category	Duro-Last Attribute
Sustainable Sites Heat Island Reduction	Solar Reflective Index (SRI) = 108

LEED-EB Credit Category	Duro-Last Attribute
Sustainable Sites Heat Island Reduction	Solar Reflective Index (SRI) = 108

Warranty:

The following warranties are available for projects utilizing DT60. Contact Duro-Last for warranty details. Consequential damage coverage is not available for Duro-Tuff installations.

Available Warranties			
Supreme	Not applicable for this product		
Ultra	15-Year NDL High Wind Warranty	20-Year NDL High Wind Warranty	25-Year NDL High Wind Warranty ¹
Basic	15-Year NDL Warranty	20-Year NDL Warranty	25-Year NDL Warranty ¹
Residential	15-Year Residential Material Limited Warranty	20-Year Residential Material Limited Warranty	

¹ Refer to the 25 and 30-Year Warranty Requirements for additional installation criteria.

Codes and Standards:

Underwriters Laboratories (US & Canada), UL Evaluation Report (ER10128), FM Approvals, Canadian Construction Materials Centre (CCMC 14012-L), State of Florida, Miami-Dade County, Texas Department of Insurance.

Storage:

Store rolls lengthwise on pallets. Use tarps to keep rolls dry.

Membrane Attachment:

Mechanically Fastened – DT60 may be mechanically fastened to a variety of roof deck and wall materials. An appropriate slip sheet, insulation or cover board may be required. Refer to the Roll Good Mechanically Fastened System Specification for system requirements.

Induction welded – Induction welding may be used to attach DT60. An appropriate slip sheet, insulation or cover board may be required. Refer to the Duro-Bond® Induction Weld Roofing System Specification for system requirements.

Adhered – DT60 may be adhered to a variety of properly prepared roof decks, walls, cover boards and insulations. Refer to the Adhered Roofing System Specification for system requirements.

Physical Properties:

DT60 has been subjected to the tests required by ASTM D4434 "Standard Specification for Poly (Vinyl Chloride) Sheet Roofing" and has been classified as a Type III, internally reinforced sheet. The results of each test are listed below. ASTM's Overall Thickness requirements for the membrane are plus or minus 10% (nominal) of the listed Typical Value.

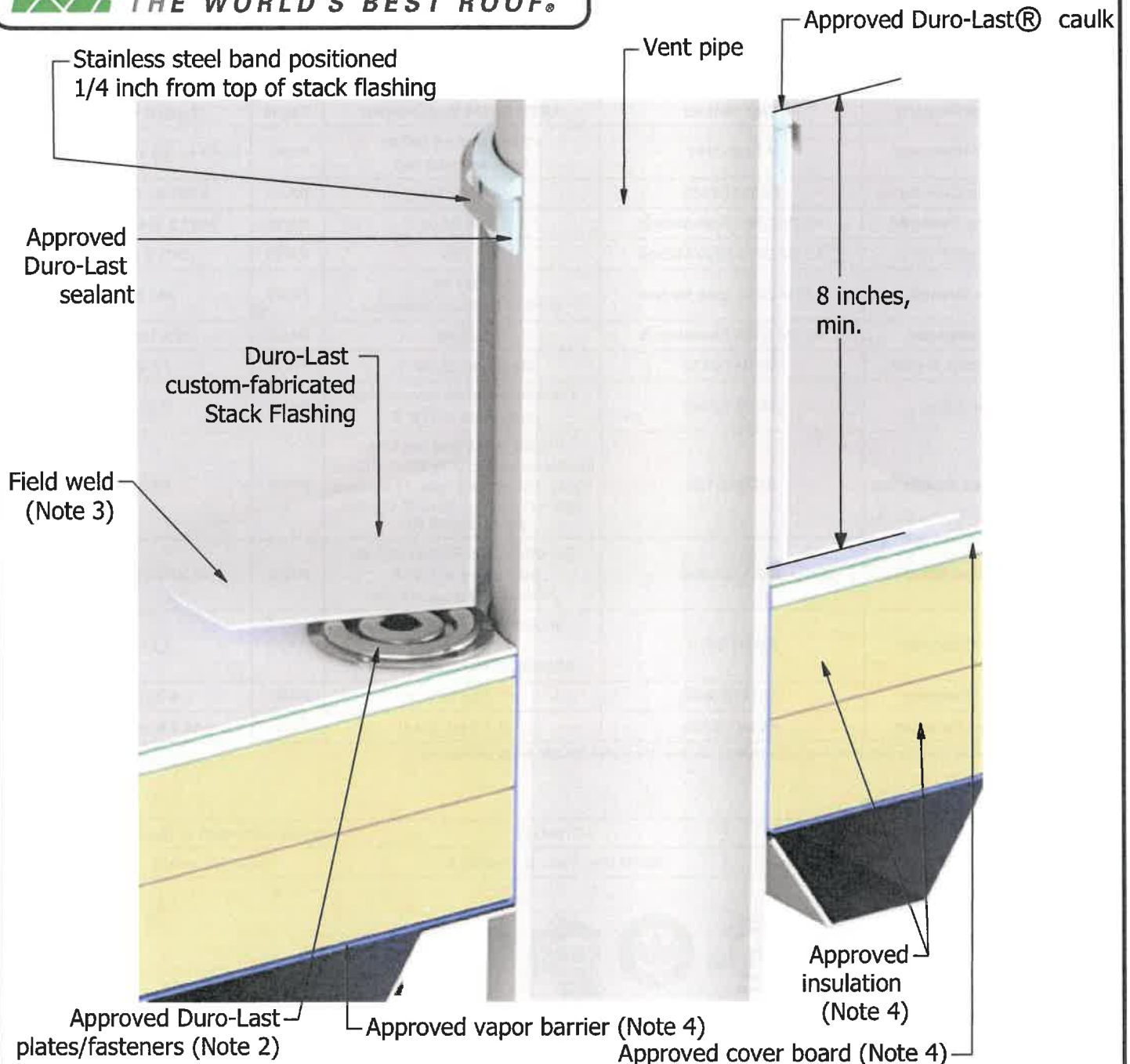
Physical Property	Test Method	ASTM D4434 Requirement	Result	Typical Value
Overall Thickness	ASTM D751	≥ 0.054 and ≤ 0.066 in. (≥ 54 and ≤ 66 mil)	PASS	0.060 in. (60 mil), nominal
Thickness Over Scrim	ASTM D7635	≥ 0.016 in.	PASS	0.031 in. (31 mil)
Breaking Strength ¹	ASTM D751 Grab Method	≥ 200 lbf./in.	PASS	437 x 304 lbf./in.
Elongation ¹	ASTM D751 Grab Method	$\geq 15\%$	PASS	29% x 30%
Seam Strength	ASTM D751 Grab Method	≥ 327 lbf. (75% of Breaking Strength.)	PASS	463 lbf.
Tear Strength ¹	ASTM D751 Procedure B	≥ 45 lbf.	PASS	78 x 190 lbf.
Low Temp. Bend	ASTM D2136	Must pass at -40° F.	PASS	PASS
Heat Aging	ASTM D3045	Conditioned for 56 days in oven maintained at 176° F.	PASS	PASS
Accelerated Weathering	ASTM G155	10,000 hours total test time. Irradiance level of 0.35 W/m ² -340nm. Cycle: 102 minutes light, 18 minutes light + H ₂ O spray, 63±2.5° C black panel, 30±5% RH	PASS	PASS
Dimensional Stability ¹	ASTM D1204	Conditioned for 6 hours in oven maintained at 176° F. Allowable change: $\leq 0.5\%$	PASS	0.30% x 0.10%
Water Absorption	ASTM D570	Immersed in water at 158° F for 168 hours. Allowable weight change: $\leq 3\%$	PASS	2.29%
Static Puncture	ASTM D5602	≥ 33 lbf.	PASS	≥ 33 lbf.
Dynamic Puncture	ASTM D5635	≥ 14.7 ft-lbf. (20 J)	PASS	≥ 14.7 ft-lbf. (20 J)

¹ Typical values are shown for both machine and cross machine directions. The machine direction results are listed first.

Additional Tests

Fungi Resistance	ASTM G21	No Sustained Growth or Discoloration
Moisture Vapor Transmission	ASTM E96, Proc. B, Method A	< 0.35 U.S. perms





Note 1: Lead flashings must be removed prior to installing Duro-Last Stack Flashings.

Note 2: Deck membrane shall be fastened around the perimeter of the Duro-Last Stack Flashing as per the respective zone the Duro-Last Stack Flashing is located within (field, perimeter, corner), no less than one fastener per flashing.

Note 3: All field welds shall be a minimum of 1-1/2 inches wide.

Note 4: Refer to specifications for vapor barrier, insulation and cover board requirements.

REVISED:	11/30/17	ROOF PENETRATION DETAIL FOR MECHANICALLY FASTENED SYSTEMS
PREVIOUS:	08/02/17	ROUND PENETRATION
SCALE:	NONE	NEW CONSTRUCTION OR RE-ROOF

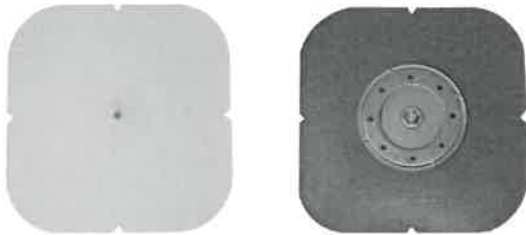
U-ANCHOR™ | U2400-PVC

Mechanically Attached Solution For Single-Ply Roofing System



Front

Back



Product Specifications

Bolts

- 3/8"-16 x 1.5" Bolt*
- Material Type: 304 Stainless Steel

Plate

- Outer Diameter: 5.5"
- Fastener Hole Diameter: 0.265" (8 holes)
- Fastener Hole Pattern: 4.125" Diameter
- Steel Thickness: 0.047" (1.194mm)
- Material Type: Galvanized Steel G90

Cover Membrane

- Manufacturer: Brand or Non-Brand Specific*
- Color: Default White*
- Length: 11.75"
- Width: 11.75"
- Thickness: Default 60 mil*

Patents

- Visit www.anchorcorp.com/patents

Packaging Specifications

- Sold Individually OR Full Box Quantity
- Individual Weight: Approx. 0.75 lbs
- Full Box Quantity: 10 units
- Box Weight: Approx. 10 lbs
- Box Dimensions: 13" x 11" x 13"
- Full Pallet Quantity: 50 boxes
- Pallet Dimensions: 48" x 40" x 66"

* Specified option is standard. Custom options may be available for additional charge. Lead times may apply depending on roofing manufacturer and product availability.

All representations herein are premised on proper installation and use of approved components. Failure to properly install or use of unapproved components voids all Anchor Products representations.

Description

The U2400-PVC is a lightweight rooftop attachment system consisting of an U-Anchor 2000 Series plate and cover membrane. The cover membrane and separator disk are factory sealed to the top of the plate. The U2400-PVC provides a fastened, watertight, warranted attachment for PVC single-ply membranes.

Advantages

- Extremely strong and lightweight.
- Fast installation, approximate rate of 12 per man hour.
- Installs on any surface from flat to vertical.

U-Anchor Attachment

The U2400-PVC is attached by fastening through the roofing assembly and into the structural decking with 2-8 approved fasteners, as directed by project specific engineering. The membrane cover is then hot air welded around the perimeter to the roof membrane.

Project-specific data is required to determine the correct type of fastener and number needed to secure each U-Anchor. An ANSI/SPRI FX-1 Pull Test is recommended to measure the pull-out resistance of fasteners included in the load path, (for example, substrate -> fasteners -> the U-Anchor -> other components.)

Equipment Attachment

To securely mount your rooftop equipment to the U-Anchor, after its installed, the connection nut must be tightened to approximately 20-25 ft.-lbs.

Use a calibrated torque wrench during install to ensure appropriate results are achieved.

Refer to product documentation for detailed installation and component requirements.

Testing

Results are based on plate performance only.

- Ultimate Load - Shear: 4,339 lbs
- Ultimate Load - Tension: 2,713 lbs

Tested in accordance with ICC AC467

Individual roof deck assembly tests available upon request as application specific results may vary.

Listings

- ICC-ES Evaluation Report ESR-4152

Warranty

- 20 Year Limited Material Only Warranty.
Subject to terms and conditions.

Anchor Products systems are included in many roofing manufacturers' guarantees! Please contact us for more information.



2-Piece Snap-On Compression

Description:

The 2-Piece Snap-On Compression system may be used as a perimeter flashing for single-ply roofing systems. The system consists of a 24-gauge Galvalume® base and a snap-on metal cover.

- Base and cover is fabricated in 10' lengths; 3" – 8" widths.
- Cover is double-hemmed to prevent roof material from excessive wear.
- Ready-to-assemble inside and outside corners are available in flat face.
- Both sizes available in flat face profiles.

Energy Efficiency:

LEED® and ENERGY STAR® compliant.

Installation:

1. A wood nailer is required if 1" or greater of insulation is used.
2. This nailer should be attached to the wall in accordance with ANSI/SPRI ES-1 3.9.
3. Install in accordance with EXCEPTIONAL® Metals Detail #3110.
4. Any deviation from the requirements set forth in detail drawings must be pre-approved, in writing, by the EXCEPTIONAL Metals Technical Department.

Codes and Standards:

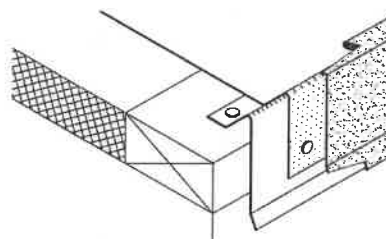
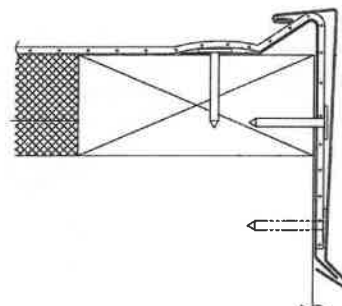
- ANSI/SPRI ES-1 Compliant with 3" – 8" base and cover.
- Meets TAS 111-95 Test with 4" and 6".
- FM Approval on 4" and 6".

Warranty:

EXCEPTIONAL Metals offers a finish and substrate warranty. Contact the membrane manufacturer for any additional warranty that may be offered.

Technical Services:

Product samples, detail sheets, color chips, and color chart are available for your submittal package. For assistance with questions or submittals, contact your local representative or call EXCEPTIONAL Metals.



Material	Gauge	Finish
Aluminum	.040	Mill or Kynar®
Stainless Steel	24-gauge	N/A
Bonderized Steel	24-gauge	N/A
Galvalume®	24-gauge	Mill or Kynar®
Copper	16 oz.	Mill



Gutter

Product Data Sheet

Product Description

Four box-style profiles in three sizes each. Support straps are provided based on 30" centers.

- Front edge of gutter is 2" lower than the back edge.
- Internal splice plates eliminate the need to completely rivet sections together.
- Riveted inside and outside miters can be fabricated to any angle.
- Roof flanges can be bent to accommodate various roof pitches or eliminated altogether.
- Custom sizes and profiles are available.
- LEED® compliant.

Installation

1. Install in accordance with EXCEPTIONAL® Metals' Details #2091 and #3025.
2. Any deviation from the requirements set forth in detail drawings must be pre-approved, in writing, by the EXCEPTIONAL Metals' Technical Department.

Warranty

EXCEPTIONAL Metals offers a finish and substrate warranty. Contact the membrane manufacturer for any additional warranty that may be offered.

Technical Services

Product samples, detail sheets, color chips, and color chart are available for your submittal package. For assistance with questions or submittals, contact your local representative or call EXCEPTIONAL Metals.

Material	Gauge	Finish
Aluminum	.040	Mill or Kynar®
Stainless Steel	24-gauge	N/A
Bonderized Steel	24-gauge	N/A
Galvalume®	24-gauge	Mill or Kynar®
Copper	16 oz.	Mill



DX-Style



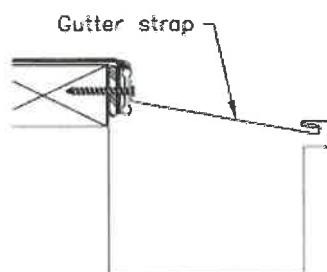
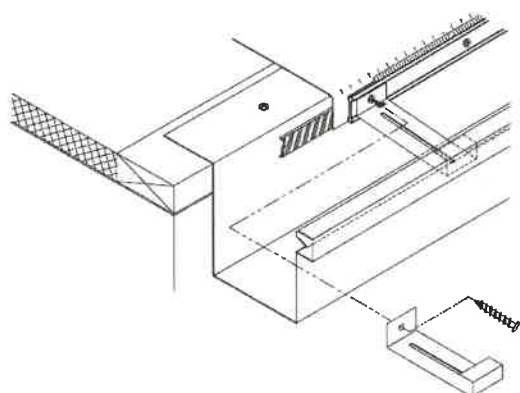
EX-Style



LX-Style



MX-Style



Note: The quantity and size of gutters are the responsibility of the contractor or design professional.

For more information give us a call or visit our website today.

800-248-0280 • exceptionalmetals.com



Elida Local School District - Fieldhouse
Attn: Joel Mengerink / Kalyne Bruce (EnTrust Renewable Energy)
301-325 Hillcrest Dr.,
Elida, Ohio 45807
Contact #: 419-331-4155 (Kalyne 260-435-0785)
Email: jmengerink@elida.k12.oh.us (Kalyn Bruce kbruce@entrustrep.com)

Date: October 8, 2024

Re: New Duro-Tuff-Roof System for the Fieldhouse

Investigation & Assessment of Existing Roof Conditions:

The existing roof system consists of a standing seam metal roof. The existing roof is severely aged, with corrosion, and the coating on the metal panels has severe cracking with delamination occurring. The existing gutters and downspouts are severely corroded. Visible areas of the roof have been repaired. Visible areas of the roof have been repaired.

Damschroder Roofing Professional Recommendations:

It is highly recommended that this roof be recovered with a new Duro-Tuff PVC Retrofit Roof System to eliminate any more damage to the roof and or continued leaks.

Our Proposal/Scope of Work:

1. Remove and dispose of any existing spray foam around the stacks or metal panels.
2. Remove and dispose of the existing gutters and downspouts.
3. Cut back, remove, and dispose of the existing metal edge along the gutter edges for proper installation of the Duro-Tuff Roof System and new gutters.
4. Install 2 by wood blocking along all the perimeter edges to meet the new insulation height and for proper re-securement of the new Duro-Tuff Roof System gutters and metal trim.
5. Install a new 2"-1.25# Expanded Polystyrene straight-cut flute fill into the lower flutes (Adding 8.8 R-value).
6. Install 1.5" Poly-ISO insulation on top of the high rib and over the existing flute fill and metal deck (Added R-value 8.8).
7. Install ¼" Dexcell Glass Matt Gyp cover board on top of the 1.5" poly-iso.
8. Install new white .060 mil Duro-Tuff over the entire roof over all parapet walls for complete encapsulation, including all necessary vents flashings, and terminations per the manufacturer's specifications.
9. Install no more than 772 U-Anchors (U2400-PVC) solar panel attachment points.
10. Install new 6" 24-gauge custom flange commercial gutters and 4x4 downspouts (Standard Kynar color to be selected by owner).





11. Install 2-piece compression metal at non-gutter perimeter roof edges (Standard Kynar color to be selected by owner).
12. After work is complete, our crew will leave all areas of the job site clean. Our own onsite job foreman will perform an inspection of the quality of your new roof. Duro-Last will then send their own Technical Representative for the final inspection of all onsite roof details.
13. Approximate Square Feet of Roof: 22,300
14. Approximate Square Feet of Material: 25,000 (Includes parapet membrane)
15. Approximate Project Duration: 16 - 22 days
16. Permit fees are required and are included in this scope of work.
17. *Provide Twenty Five-Year NDL, 100% non-prorated Labor and Material Warranty upon inspection by Duro-Last Inc. and final payment per terms. The Twenty Five-Year labor and material Warranty has no exclusions for ponding water or biological growth.*

For a Total Sum of \$362,291.00

Signature _____ Date _____

Alternate # 1:

- Recover the existing rolled asphalt roof system on the Lobby Entrance at the Fieldhouse.
- Recondition existing functional drains and install new hardware and sealants.
- Install 2 by wood blocking along all the perimeter edges for proper re-securement of the new Duro-Tuff Roof System gutters and metal trim.
- Install a 3/8" Duro-Guard XPS separator sheet over entire roof areas and on all vertical parapet walls for proper installation of the Duro-Tuff Roof System.
- Install new white 0.050 in. (50 Mil) Duro-Tuff over the entire roof deck up and over all parapet walls for complete encapsulation, including all necessary vents flashings, and terminations per the Manufacturer's specifications.
- Install 2pc. piece compression metal as well as the necessary edge extender at perimeter roof edges (Standard Kynar color to be selected by owner).

Add: \$19,839.00

Signature _____ Date _____

**The owner is responsible for notifying Damschroder Roofing of any company-specific safety policy above and beyond OSHA requirements.





Damschroder

Roofing Inc.

Your Roof. Our Reputation.

Your scope of work does not include any applicable Governmental codes, permits, fees, or licenses, HVAC alteration, lighting, lightning protection or electrical alterations, satellite dish or antenna re-calibration, or snow removal unless otherwise specified.

Damschroder Roofing Inc. and its subcontractors are not responsible for existing building conditions such as but not limited to, leaking walls, windows, gutters, interior drains, pipes, air conditioner equipment, ducts, vents, fans, parapets, mansards, water lines, masonry walls, adjacent roofs, skylights, trim, existing water damage to the interior of the building (walls, ceilings, floors, etc.), hidden conduit within or below the existing roofing system, spray on fireproofing or the existence of mold.

"Any and all reclaimed building materials become the property of Damschroder Roofing, Inc. upon contract signing."

Please note: Deck replacement due to saturated and/or deteriorated decking and/or additional work orders are priced at \$90.00 per hour plus materials.

Please note: Due to the volatile market for roofing materials, any price change in material cost at the delivery date will result in a corresponding price change to this contract.

ACCEPTANCE OF PROPOSAL – These prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined below.

A payment of 60% is due 15 days prior to ordering materials. An invoice will be sent via your preferred billing method. All balances paid with credit cards will have a 5% convenience fee added. Balance upon completion, past due accounts, will be charged 1-1/2% finance charge per month; 18% per annual.

Respectfully Submitted,

Coy Beckley

Coy Beckley
Technical Roofing Specialist

Metal Color Selection _____

This proposal is valid for 30 days.

Please sign and return the original proposal and keep the copy for your records.



25-Year NDL Warranty

Warranty No. _____

I. TERMS and CONDITIONS

Duro-Last®, Inc., ("Duro-Last") grants this No Dollar Limit Warranty ("Warranty") to the owner ("Owner") of a building containing a **Duro-Last Roofing System ("Duro-Last System")** installed by a Duro-Last authorized Dealer/Contractor ("Contractor"), subject to the conditions and limitations contained herein. Duro-Last's obligation during the 1st through the 25th year shall be to repair any leak in the Duro-Last System caused by any defect in a component of the Duro-Last System or by the workmanship of the Contractor, but only as the workmanship relates to the installation of the Duro-Last System itself and not as it relates to other work performed. If any. Owner acknowledges that Duro-Last is the manufacturer of the Duro-Last System, and is not responsible for compliance with any applicable building codes or regulations. Duro-Last's obligation includes, at Duro-Last's sole discretion, either the repair or replacement of all or any part of the Duro-Last System. Duro-Last reserves the right to determine the appropriate repair or replacement product, including the manner or method of any repairs or replacement. The foregoing shall be the only remedies to the Owner under this Warranty, provided that each of the following conditions are met:

- A. Duro-Last and Contractor have been paid in full for the Duro-Last System, its installation and any outstanding invoices issued by Duro-Last that arise after the installation;
- B. The Duro-Last System has been approved by Duro-Last following inspection by an authorized Duro-Last Quality Assurance Technical Representative ("Duro-Last QA Tech Rep"). Owner acknowledges that the Duro-Last inspection is only to determine if the Duro-Last Warranty may be issued, and is not an inspection to determine compliance with any applicable building code or regulation pertaining to the building;
- C. The Owner must exercise reasonable and diligent care in the maintenance of the Duro-Last System in accordance with the attached Care and Maintenance Guide, which can also be located at www.duro-last.com/duro-last/careandmaintenance;
- D. The Owner has notified Duro-Last within seven (7) days of the discovery of any leak, failure, emergency repairs or any other alleged Duro-Last System defect. Owner must notify Duro-Last by e-mailing ws@duro-last.com, or by certified mail, return receipt requested. If upon Duro-Last's inspection Duro-Last determines that the reported leak, failure or defect is not covered by the Warranty, then the Owner shall be responsible for all direct expenses incurred by Duro-Last to conduct the inspection;
- E. The Owner allows Duro-Last's QA Tech Rep(s), and/or Duro-Last Contractor(s) access to the roof including, if necessary, the removal and replacement by Owner at Owner's expense any and all obstructions, including but not limited to: rooftop gardens, earth, soil, pavers, ballast, decks, patio and walking surface materials, photovoltaic system, and other overburden; and
- F. Duro-Last authorizes the repair and, at Duro-Last's option, either Duro-Last's QA Tech Rep(s), or authorized Duro-Last Contractor makes the repair.

II. LIMITATIONS and EXCLUSIONS

- A. This Warranty does not apply to a Duro-Last System installed on a single-family residence.
- B. Duro-Last shall not be liable for damages arising from defects in the design or construction of the building or roof assembly aside from the Duro-Last System. Duro-Last shall not be liable for any condensation in the roof assembly or any design defects that result in water penetrating into the building. Duro-Last shall not be liable for any damage to the building or leaks caused by inadequate or insufficient drainage and/or ponding water.
- C. Duro-Last shall not be liable for any other products aside from the Duro-Last System.
- D. Duro-Last is not liable for any Duro-Last System defect or failure nor for subsequent damages arising from Acts of God or causes outside Duro-Last's control including, but not limited to:
 - 1) Damage caused by fire, lightning, hurricane, gale, hail, tornado, flood, earthquake, animals, insects; or
 - 2) Damage caused by accident, vandalism, intentional act, negligence or failure to use reasonable care, whether on the part of the Owner or another; or
 - 3) Damage caused by any unauthorized modification to the Duro-Last System including, but not limited to: damage caused by unauthorized components used in installation or repair, by additional equipment or structures added to or made a part of the roof, by rooftop traffic, or by chemicals not normally found in nature or the like; or
 - 4) Construction generated moisture, interior condensation and/or moisture entering the Duro-Last System through walls, copings, structural defects, HVAC Systems, or any part of the building structure, including from adjacent buildings.
 - 5) Incompatible substrates or materials not supplied by Duro-Last that come in contact with the Duro-Last membrane.
- E. Duro-Last does not warranty the watertightness of tie-ins to 1) a standing seam metal roof or 2) any other roofing system.
- F. Duro-Last does not warranty the watertightness of metal products that are located outside of the termination of the Duro-Last membrane.
- G. Duro-Last does not warranty against color change and/or pattern change and/or print change in the Duro-Last System.
- H. Duro-Last shall have no liability under any theory of law for any claims, repairs, or other damages relating to the presence of asbestos or any vapors, fumes, molds, fungi, bacteria, spores, mycotoxins, or the like on or in the Duro-Last System or in the building or in the air or water serving the building.
- I. Any change in the building's use or purpose voids this Warranty.
- J. This Warranty is transferable to subsequent Owners upon the express written authority of Duro-Last and at Duro-Last's sole discretion. Duro-Last reserves the right to require an inspection of the Duro-Last System prior to the transfer of this Warranty. The Owner, (under-signed below) must pay Duro-Last's then in effect warranty transfer fee and must also pay for any non-warranty related repairs identified

Over: Continued on Back

during any pre-transfer inspection. A transfer of this Warranty shall not be effective until all outstanding Duro-Last invoices have been satisfied.

- K. This Warranty must be signed by the Owner, the Contractor and a Duro-Last QA Tech Rep or Quality Assurance Manager. Coverage under the terms of this Warranty begins on the Effective Date. The Effective Date is determined by Duro-Last. Failure of the Owner or Contractor to sign this Warranty does not alter the Effective Date.
- L. This Warranty shall be governed by the laws of the State of Michigan without regard to principles of conflicts of law. Duro-Last and Owner hereby agree that the Circuit Court for the County of Saginaw, State of Michigan, or the United States Federal District Court for the Eastern District of Michigan in Bay City, shall have the exclusive jurisdiction to determine any and all disputes or claims relating to this Warranty and do hereby submit themselves to the sole personal jurisdiction of those Courts.
- M. Owner shall maintain and keep in force: property, casualty and liability insurance necessary to protect against all insurable losses. Owner agrees to waive any and all rights of subrogation against Duro-Last for losses covered by such insurance.
- N. No claim, suit, or other proceeding arising out of or related to the Duro-Last products or these terms, including without limitation this Warranty, may be brought by the Owner or anyone else after one (1) year from the date it accrues.
- O. Duro-Last does not waive any rights under this Warranty by refraining from exercising its rights in full in one or more instances.

THIS WARRANTY AND THE RESPONSIBILITIES AND REMEDIES STATED HEREIN ARE EXPRESSLY AGREED TO BY OWNER AND DURO-LAST AND CONSTITUTE THE SOLE WARRANTY AND REMEDIES OF THE OWNER FOR ANY ALLEGED DEFECT OR FAILURE OF THE DURO-LAST SYSTEM, WHETHER MEMBRANE, ACCESSORIES, OR CONTRACTOR WORKMANSHIP.

THERE ARE NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE (EITHER EXPRESS OR IMPLIED IN FACT, LAW OR CUSTOM) THAT EXTEND BEYOND THE EXPRESS TERMS STATED IN THIS WARRANTY TO THE FULL EXTENT DISCLAIMER IS PERMITTED BY LAW. OWNER AND DURO-LAST TOGETHER JOINTLY DISCLAIM ANY OTHER OR FURTHER WARRANTIES EXCEPT THOSE INCLUDED IN THIS WARRANTY. IN ANY EVENT, ANY IMPLIED WARRANTY THAT MAY ARISE BY LAW IS LIMITED IN DURATION TO THE TERM HEREIN. THE REPAIR OR REPLACEMENT PROVIDED HEREIN IS EXCLUSIVE AND IN LIEU OF ALL OTHER REMEDIES. DURO-LAST WILL HAVE NO LIABILITY TO ANYONE FOR CONSEQUENTIAL, SPECIAL, INCIDENTAL, INDIRECT, EXEMPLARY, OR PUNITIVE DAMAGES OF ANY KIND WHATSOEVER, INCLUDING WITHOUT LIMITATION PROPERTY DAMAGE, LOST PROFITS, LOST USE OR ANY OTHER PECUNIARY DAMAGE, WHETHER DUE TO ANY DEFECT IN THE PRODUCTS, BREACH OF THIS AGREEMENT, DELAY, NON-DELIVERY, NON-PERFORMANCE, RECALL, OR ANY OTHER REASON. ALL CLAIMS FOR NEGLIGENCE AND FOR FAILURE OF ESSENTIAL PURPOSE ARE EXPRESSLY WAIVED, RELEASED, AND EXCLUDED.

THERE ARE NO THIRD-PARTY BENEFICIARIES TO THESE TERMS. OWNER ACKNOWLEDGES THESE LIMITATIONS AND WAIVERS, DECLARES THAT THEY HAVE BEEN READ AND UNDERSTOOD, AND AGREES TO BE SO BOUND. ANY PAYMENT FOR THE DURO-LAST SYSTEM OR REGISTRATION OF THE WARRANTY WITH DURO-LAST SIGNIFIES THAT THE OWNER HAS VOLUNTARILY AND KNOWINGLY CONSENTED TO ALL TERMS.

The Contractor is not an agent of Duro-Last and does not have authority to bind Duro-Last. If any Contractor or sales representative made any statements about Duro-Last, its products, services, obligations, or warranties, those statements cannot be relied upon by Owner or any other party and cannot be attributed to Duro-Last. Furthermore, no person may change or modify any terms or conditions of this Warranty, unless in writing and signed by the authorized representative of the Owner and by a Duro-Last officer or by the Duro-Last Quality Assurance Manager.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO SUCH A LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. If any provision or individual term herein is invalid or unenforceable under any applicable law, the provision or term will be ineffective to that extent and for the duration of the illegality, but the remaining provisions and terms will be unaffected.

DURO-LAST®, INC.
525 Morley Drive
Saginaw, MI 48601

Name of Building

Address of Building

City, State & Zip of Building

Building Designation

Effective Date

Serial No.

Signature of Duro-Last QA Tech Rep or QA Manager

Signature of Owner

Owner (printed)

Signature of Contractor

Contractor (printed)

Square Footage

Warranty No.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
06/19/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER UIS Insurance & Investments 51 S. Washington Street P. O. Box 708 Tiffin OH 44883	CONTACT NAME: Sarah Steinmetz	
	PHONE (A/C, No, Ext): (419) 447-4242	FAX (A/C, No): (419) 448-5041
	E-MAIL ADDRESS: sbjerga@uisprotect.com	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A: Hastings Mutual Ins. Co.	14176
INSURED Damschroder Roofing Inc 2625 E State Street Fremont OH 43420	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** CL2361942023 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PRO-JECT ☐ LOC ☐ OTHER:			CPP9613236	07/01/2023	07/01/2024	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY			ACV9613237	07/01/2023	07/01/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$ 0			ULC9613238	07/01/2023	07/01/2024	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
	☒ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N ☐	N/A	CPP9613236	07/01/2023	07/01/2024	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000 Each Claim/Agg. \$100,000
A	EPLI Builders Risk/Installment Floater			CPP9613236	07/01/2023	07/01/2024	Coverage Amount \$100,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

For Info Only

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Sarah Steinmetz



April 16, 2019

Damschroder Roofing, Inc.
2228 Hayes Ave., Suite D
Fremont, OH 43420

RE: BBB Accreditation

To Whom It May Concern:

This letter is to confirm that Damschroder Roofing, Inc. has been a BBB Accredited Business of this Better Business Bureau for nine years. This means it supports BBB's services to the public and meets BBB Accreditation standards. Damschroder Roofing has a BBB rating of A+.

If you need any further verification of this company's Accreditation, please contact this office.

Sincerely,

Denise Sprague
Accredited Business Relations Coordinator

