



City of Belle Isle

Universal Engineering Sciences 3532 Maggie Blvd., Orlando, FL 32811
Tel 407-581-8161 * Fax 407-581-0313 * www.universaleengineering.com

RECEIVED
AUG 25 2020

APPLICATION FOR ROOFING PERMIT

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

DATE OF APPLICATION: 8/24/20

ROOF PERMIT NUMBER 2020-08-078

PLEASE PRINT. The undersigned hereby applies for a permit to make installations as indicated below:

Project Address 6500 The Landings, Belle Isle, FL 32809 X 32812

Property Owner Chris St. John Phone _____

Property Owner's Mailing Address Same City _____

State _____ Zip Code _____ Parcel Id Number: 20-23-30-4980-00-220

REQUIRED! To obtain this information, please visit <http://www.ocpaf.org/Searches/ParcelSearch.aspx>

Class of Building: Old New Type of Building: Residential Commercial Other
Type of Work: New Roof ReRoof

- **REQUIRED!** Florida Product Approval Form – NOTE: installation instructions must be posted on-site before your first inspection!!
- OSHA Approved Access to the Roof must be made Available to the Inspector

Please indicate the nature of work by completing the information below:

Roof Square Footage: 506 Number of Stories: 1 Job Valuation: \$ 7500 **PAID**
Type: Asphalt Shingles Metal Modified Bitumen Other: _____

I hereby certify that the above is true and correct to the best of my knowledge and make Application for Permit as outlined above, and if same is granted I agree to conform to all Florida Building Code Regulations and City Ordinances regulating same and in accordance with plans submitted. The issuance of this permit does not grant permission to violate any applicable Town and/or State of Florida codes and/or ordinances. By signing below, I recognize Republic Services is by legal contract the sole authorized provider of garbage, recycling, yard waste, and commercial garbage and construction debris collection and disposal services with the city limits of the City. Contractors, homeowners and commercial businesses may contact Republic Services at 407-293-8000 to setup accounts for Commercial, Construction Roll Off, or other services needed. Rates are fixed by contract and are available at City Hall or from Republic Services. The City enforces the contract through its code enforcement office. Failure to comply will result in a stop work order.

LICENSE HOLDER SIGNATURE Robin Lopez LICENSE # CGC1511647

LICENSE HOLDER NAME Robin Lopez COMPANY NAME Summertime Deck and Dock

Street Address _____

City _____ State _____ Zip Code _____ Phone Number _____

Email Address robin@summertimedocks.com

Building Official: _____ Date _____

Verified Contractor's Licenses & Insurance are on file _____ Date _____

Zoning Fee \$ 0 new

Building Fee \$ 60.-

Review Fee \$ 30.-

1% BCAIB Fee \$ 2 min

1.5% DCA Fee \$ 2 min

Total Permit Fee \$ 94.00

NOTE: The Building Permit Number is required if the Roof Installation is associated with any construction or alteration where a Building Permit has been issued.

1571K
5x7
25
35
60



City of Belle Isle

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 Tel 407-581-8161 * Fax 407-581-0313 * www.universalengineering.com

Product Approval Form

DATE: 8/24/20

PERMIT # _____

PROJECT ADDRESS 6500 The Landings Dr., Belle Isle, FL 32809 32812

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72m, please provide the information and approval numbers of the building components listed below if they will be utilized on the building or structure. FL Approved products are listed online at www.floridabuilding.org or can be obtained from the local product supplier. The following information must be turned in with permit application and available onsite for inspections:

- **This Product Approval Cover Sheet**
- **Internet screen printout from FloridaBuilding.Org showing PA#, approval code and edition stamped**
- **Manufacturer's installation details from FloridaBuilding.Org and requirements for each product stamped**
- **The Installation instructions must be posted on-site before your first inspection**

Product Type	Manufacturer	Model/Series	FL Product Approval #	Product Type	Manufacturer	Model/Series	FL Product Approval #
EXTERIOR DOORS				WALL PANELS			
Swinging				Siding			
Sliding				Soffits			
Sectional/Rollup				Storefront			
Other				Glass Block			
				Other			
WINDOWS				ROOFING PRODUCTS			
Single/DbI Hung				Asphalt Shingles	Tamko	Heritage	1956.3
Horizontal Slider				Non Struct Metal			
Casement				Roofing Tiles			
Fixed				Single Ply Roof			
Mullion				Underlayment			
Skylights				Other			
Other							
STRUCTURAL COMPONENTS				OTHER			
Wood Connectors							
Wood Anchors							
Truss Plates							
Insulation Forms							
Lintels							
Other							

Underlayment

It is the applicant's responsibility to verify that specific products have been installed in accordance with their limitations and with the minimum required design pressures for the structure. Specific compliance will be verified during field inspections.

Applicant Signature

Robi Long

Date 8/24/20

FLORIDA DEPARTMENT OF
Business & Professional Regulation



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OFFICE OF THE SECRETARY

FL # FL1956-R12
 Application Type Editorial Change
 Code Version 2014
 Application Status Approved
 *Approved by DBPR. Approvals by DBPR shall be reviewed and ratified by the POC and/or the Commission if necessary.

Comments
 Archived

Product Manufacturer TAMKO Building Products, Inc.
 Address/Phone/Email PO Box 1404
 Joplin, MO 64802
 (417) 624-6644 Ext 2305
 kerri_eden@tamko.com

Authorized Signature Kerri Eden
 kerri_eden@tamko.com

Technical Representative Kerri Eden
 Address/Phone/Email PO Box 1404
 Joplin, MO 64802
 (417) 624-6644 Ext 2305
 kerri_eden@tamko.com

Quality Assurance Representative
 Address/Phone/Email

Category Roofing
 Subcategory Asphalt Shingles

Compliance Method Certification Mark or Listing

Certification Agency UL LLC
 Validated By Robert J. M. Nieminen, PE
 ✓ Validation Checklist - Hardcopy Received

Referenced Standard and Year (of Standard)	Standard	Year
	ASTM D3161	2009
	ASTM D3462	2009
	ASTM D7158	2008

Equivalence of Product Standards
 Certified By

Product Approval Method Method 1 Option A

Date Submitted 09/17/2015

Date Validated 10/06/2015

Date Pending FBC Approval

Date Approved 10/09/2015

Summary of Products

FL #	Model, Number or Name	Description
1956.1	Elite Glass-Seal	A three tab asphalt shingle.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment.		Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_Glass_Seal_Elite_Glass_Seal_app_inst.pdf Verified By: Robert Nieminen 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:
1956.2	Glass-Seal	A three tab asphalt shingle.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment.		Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_Glass_Seal_Elite_Glass_Seal_app_inst.pdf Verified By: Robert Nieminen PE 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:
1956.3	Heritage	A dimensional asphalt shingle.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment.		Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_Heritage_D_F_J_P_app_inst.pdf FL1956_R12_II_Heritage_F_app_inst.pdf FL1956_R12_II_Heritage_T_app_inst.pdf Verified By: Robert J. M. Nieminen FL 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:
1956.4	Heritage 30	A dimensional asphalt shingle.
Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as		Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_heritage_30_app_inst_april_10.pdf FL1956_R12_II_heritage_30_app_inst_f_april_10.pdf Verified By: Robert Nieminen PE 59166 Created by Independent Third Party: No

	the method of attachment.	Evaluation Reports Created by Independent Third Party:
1956.5	Heritage 50	A dimensional asphalt shingle.
	<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment.</p>	<p>Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_heritage_50_app_inst_april_10.pdf FL1956_R12_II_heritage_50_app_inst_f_april_10.pdf Verified By: Robert Nieminen PE 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:</p>
1956.6	Heritage Premium	A dimensional asphalt shingle.
	<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment.</p>	<p>Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_Heritage_Premium_D_P_app_inst.pdf FL1956_R12_II_Heritage_Premium_F_app_inst.pdf FL1956_R12_II_Heritage_Premium_T_app_inst.pdf Verified By: Robert Nieminen PE 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:</p>
1956.7	Heritage Vintage	A heavy weight dimensional asphalt shingle.
	<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment.</p>	<p>Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_shingle_matrix.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_Heritage_Vintage_app_inst.pdf Verified By: Robert J. M. Nieminen PE 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:</p>
1956.8	Heritage Vintage 12 X 12 Hip and Ridge	Hip and ridge shingles
	<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment.</p>	<p>Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_shingle_matrix.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_TAMKO@_Heritage@_12_x_12_Hip_and_Ridge_Application_Instructions.pdf Verified By: Robert J. M. Nieminen PE 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:</p>
1956.9	Heritage Woodgate	A dimensional asphalt shingle.
	<p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be</p>	<p>Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_Heritage_Woodgate_D_app_inst.pdf FL1956_R12_II_Heritage_Woodgate_F_app_inst.pdf</p>

<p>used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment.</p>	<p>Verified By: Robert Nieminen 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:</p>
<p>1956.10 Heritage XL</p> <p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Asphalt shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment.</p>	<p>A dimensional asphalt shingle.</p> <p>Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_heritage_xl_app_inst_d_april_10.pdf FL1956_R12_II_heritage_xl_app_inst_f_april_10.pdf Verified By: Robert Nieminen PE 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:</p>
<p>1956.11 Hip and Ridge Shingles</p> <p>Limits of Use Approved for use in HVHZ: No Approved for use outside HVHZ: Yes Impact Resistant: N/A Design Pressure: N/A Other: Hip and Ridge shingles shall be used only on roof slopes of 2:12 or greater. Nails must be used as the method of attachment.</p>	<p>Hip and ridge shingles</p> <p>Certification Agency Certificate FL1956_R12_C_CAC_FL1956_R11_C_CAC_Tamko_Serv_Conf_FL_1956_2015.pdf FL1956_R12_C_CAC_UL_certification_10-11-12.pdf Quality Assurance Contract Expiration Date 09/17/2018 Installation Instructions FL1956_R12_II_12.25x12_Hip_and_Ridge.pdf FL1956_R12_II_12_x_12_Hip_Ridge_Application_Instructions.pdf FL1956_R12_II_12-1-4x12_HipRidge_Sealant_Dab_Illustrations.pdf FL1956_R12_II_12x12_HipRidge_Sealant_Dab_Illustrations.pdf Verified By: Robert Nieminen 59166 Created by Independent Third Party: No Evaluation Reports Created by Independent Third Party:</p>

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Contact Us :: [1940 North Monroe Street, Tallahassee FL 32399 Phone: 850-487-1824](#)

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Product Approval Accepts:





ELITE GLASS-SEAL®
GLASS-SEAL
3-TAB ASPHALT SHINGLES

Frederick, MD • Joplin, MO • Tuscaloosa, AL

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS WILL ADVERSELY AFFECT COVERAGE UNDER THE LIMITED WARRANTY. SEE THE LIMITED WARRANTY FOR DETAILS.

THIS PRODUCT IS COVERED BY A LIMITED WARRANTY, THE TERMS OF WHICH ARE PRINTED ON THE WRAPPER.

IN COLD WEATHER (BELOW 40°F), CARE MUST BE TAKEN TO AVOID DAMAGE TO THE EDGES AND CORNERS OF THE SHINGLES.

IMPORTANT: It is not necessary to remove the plastic strip from the back of the shingles.

I. ROOF DECK

These shingles are for application to roof decks consisting of plywood or sheathing boards capable of receiving and retaining fasteners, and to inclines of not less than 2 in. per foot. For roofs having pitches 2 in. per foot to less than 4 in. per foot, refer to special instructions titled "Low Slope Application". For roofs having pitches greater than 4 in. per foot, refer to special instructions titled "Mansard Roof or Steep Slope Roof". Shingles must be applied properly. TAMKO assumes no responsibility for leaks or defects resulting from improper application, or failure to properly prepare the surface to be roofed over.

NEW ROOF DECK CONSTRUCTION: Roof deck must be smooth, dry and free from warped surfaces. It is recommended that metal drip edges be installed at eaves and rakes.

PLYWOOD: All plywood shall be exterior grade as defined by the Engineered Wood Association. Plywood shall be a minimum of 3/8 in. thickness and applied in accordance with the recommendations of the Engineered Wood Association.

SHEATHING BOARDS: Boards shall be well-seasoned tongue-and-groove boards and not over 6 in. nominal width. Boards shall be a 1 in. nominal minimum thickness. Boards shall be properly spaced and nailed.

2. VENTILATION

Inadequate ventilation of attic spaces can cause accumulation of moisture in winter months and a build up of heat in the summer. These conditions can lead to:

1. Vapor Condensation
2. Buckling of shingles due to deck movement.
3. Rotting of wood members.
4. Premature failure of roof.

To insure adequate ventilation and circulation of air, place louvers of sufficient size high in the gable ends and/or install continuous ridge and soffit vents. FHA minimum property standards require one square foot of net free ventilation area to each 150 square feet of space to be vented, or one square foot per 300 square feet if a vapor barrier is installed on the warm side of the ceiling or if at least one half of the ventilation is provided near the ridge. If the ventilation openings are screened, the total area should be doubled.

IT IS PARTICULARLY IMPORTANT TO PROVIDE ADEQUATE VENTILATION.

3. FASTENERS

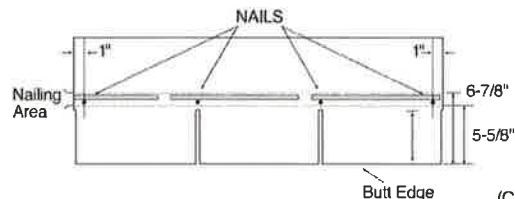
NAILS: TAMKO recommends the use of nails as the preferred method of application.

WIND CAUTION: Extreme wind velocities can damage these shingles after application when proper sealing of the shingles does not occur. This can especially be a problem if the shingles are applied in cooler months or in areas on the roof that do not receive direct sunlight. These conditions may impede the sealing of the adhesive strips on the shingles. The inability to seal down may be compounded by prolonged cold weather conditions and/or blowing dust. In these situations, hand sealing of the shingles is required. To insure immediate sealing, apply 4 quarter-sized dabs of TAM-PRO® Premium SBS Adhesive or TAMKO Tam-Seal Adhesive on the back of the shingle 1 in. (25mm) and 13 in. (330mm) in from each side and 1 in. (25mm) up from the bottom of the shingle. Press shingle firmly into the adhesive. For maximum wind resistance along rakes, cement shingles to the underlayment and each other in a 4 in. (102mm) width of TAM-PRO SBS Adhesive or TAMKO Tam-Seal Adhesive. Caution: Apply ONLY a thin uniform layer of adhesive less than 1/8 in. (3mm) thick. Excessive amounts can cause blistering of the shingles and may soften the asphalt in certain underlayments resulting in the asphalt flowing, dripping and staining. Shingles must also be fastened according to the fastening instructions described below.

Correct placement of the fasteners is critical to the performance of the shingle. If the fasteners are not placed as shown in the diagram and described below, this will result in the termination of TAMKO's liabilities under the Limited Warranty. TAMKO will not be responsible for damage to shingles caused by winds in excess of the applicable mph as stated in the Limited Warranty. See Limited Warranty for details.

FASTENING PATTERNS: Fasteners must be placed above or below the factory applied sealant in an area between 5-5/8 in. and 6-7/8 in. from the butt edge of the shingle. Fasteners should be located horizontally according to the diagram below. Do not nail into the sealant. TAMKO recommends nailing below the sealant whenever possible for greater wind resistance.

1) Standard Fastening Pattern. (For use on decks with slopes 2 in. per foot to 21 in. per foot.) One fastener 1 in. back from each end and one 12 in. back from each end of the shingle for a total of 4 fasteners. (See Standard Fastening Pattern illustrated below).



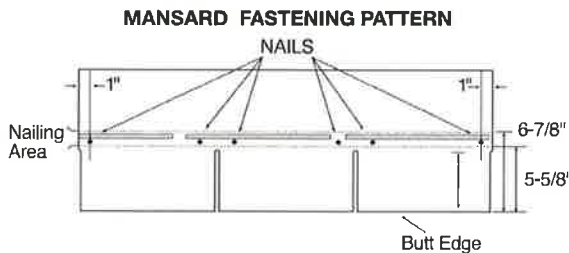
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Visit Our Web Site at
tamko.com

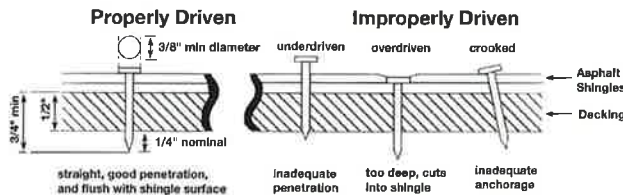
Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8868

12/12

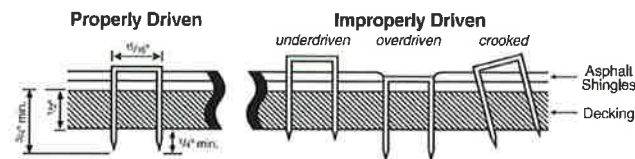
2) Mansard Fastening Pattern. (For use on decks with slopes greater than 21 in. per foot.) One fastener 1 in. back from each end and one fastener 10-1/2 in. back from each end and one fastener 13-1/2 in. back from each end for a total of 6 fastener per shingle. (See Mansard Fastening Pattern illustrated below.)



NAILS: TAMKO recommends the use of nails as the preferred method of application. Standard type roofing nails should be used. Nail shanks should be made of minimum 12-gauge wire, and a minimum head diameter of 3/8 in. Nails should be long enough to penetrate 3/4 in. into the roof deck. Where the deck is less than 3/4 in. thick, the nails should be long enough to penetrate completely through plywood decking and extend at least 1/8 in. through the roof deck. Drive nail head flush with the shingle surface.



STAPLES: If staples are used in the attaching process, follow the above instructions for placement. All staples must be driven with pneumatic staplers. The staple must meet the following minimum dimensional requirements. Staples must be made from a minimum 16 gauge galvanized wire. Crown width must be at least 15/16 in. (staple crown width is measured outside the legs). Leg length should be a minimum of 1-1/4 in. for new construction and 1-1/2 in. for reroofing thus allowing a minimum deck penetration of 3/4 in. The crown of the staple must be parallel to the length of the shingle. The staple crown should be driven flush with the shingle surface. Staples that are crooked, underdriven or overdriven are considered improperly applied.



CAUTION: DO NOT FASTEN INTO THE FACTORY APPLIED ADHESIVE.

4. UNDERLAYMENT

UNDERLAYMENT: An underlayment must be applied over the entire deck before the installation of TAMKO shingles. Failure to add underlayment can cause premature failure of the shingles which is not covered by TAMKO's Limited Warranty.

Products which are acceptable for use as underlayment are:

Asphalt Saturated Felt Underlayments:

- TAMKO No. 15 Asphalt Saturated Organic Felt
- Any TAMKO non-perforated asphalt saturated organic felt
- A non-perforated asphalt saturated organic felt which meets ASTM: D226, Type I or II or ASTM D4869

Specialty Underlayments:

- Tam-Shield® Synthetic Underlayment
- TAMKO TW Metal and Tile Underlayment, TW Underlayment and Moisture Guard Plus® (additional ventilation may be required. Contact TAMKO's Technical Services Department for more information.)

For Asphalt Saturated Felt Underlayments:

Apply the felt when the deck is dry. On roof decks with slopes 4 in. per foot and greater apply the felt parallel to the eaves lapping each course of the felt over the lower course at least 2 in. Where ends join, lap the felt 4 in. If left exposed, the felt may be adversely affected by moisture and weathering. Laying of the felt and the shingle application must be done together.

For All Other Specialty Underlayments:

On roof decks with slopes 4 in. per foot and greater apply the underlayment parallel to the eaves in accordance with underlayment written application instructions. The underlayment should not be left exposed for a longer period of time than is specified in the underlayments written application instructions. The final roof covering must be installed before the structure is exposed to adverse weather conditions, such as wind driven rain, high wind, hail, ice storms, etc.

In areas where ice builds up along the eaves or a back-up of water from frozen or clogged gutters is a potential problem, TAMKO's Moisture Guard Plus®, TW Metal and Tile Underlayment or TW Underlayment (or any specialty eaves flashing product) may be applied to eaves, rakes, ridges, valleys, around chimneys, skylights or dormers to help prevent water damage. Contact TAMKO's Technical Services Department for more information.

Substitute products as shingle underlayment should not be used.

(Continued)

Visit Our Web Site at
tamko.com

Central District 220 West 4th St., Joplin, MO 64801
Northeast District 4500 Tamko Dr., Frederick, MD 21701
Southeast District 2300 35th St., Tuscaloosa, AL 35401
Southwest District 7910 S. Central Exp., Dallas, TX 75216
Western District 5300 East 43rd Ave., Denver, CO 80216

800-641-4691
800-368-2055
800-228-2656
800-443-1834
800-530-8868

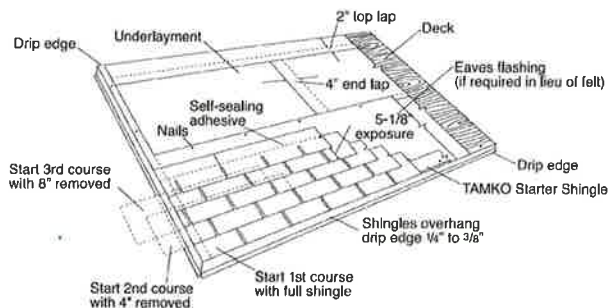
12/12

5. APPLICATION INSTRUCTIONS

STARTER COURSE: A starter course may consist of TAMKO Shingle Starter, self-sealing 3-tab shingles or a 9 inch wide strip of mineral surface roll roofing. If self-sealing 3-tab shingles are used, remove the exposed tab portion and install with the factory applied adhesive adjacent to the eaves. Attach the starter course with approved fasteners along a line parallel to and 3 in. to 4 in. above the eaves edge. The starter course should overhang both the eaves and rake edges 1/4 in. to 3/8 in. If a roll roofing is used, seal down the shingles in the first course by applying adhesive cement in four spots equally spaced to the surface of the starter strip and press the shingle down on the spots of cement. Plastic cement should be used sparingly, as excessive amounts may cause blistering.

SHINGLE APPLICATION: There are three different offset methods for applying strip shingles: the 4-inch method, the 5-inch method and the 6-inch method. By removing different lengths from the first shingle, cutouts in one course of shingles do not line up directly with those of the course below. It is recommended that the shingles be laid according to one of these methods consistent with procedures outlined in ARMA's Residential Asphalt Roofing Manual. This panel will feature the 4-inch method. For information regarding the other methods, please refer to the ARMA Residential Asphalt Roofing Manual.

CAUTION: Never use an alignment system where shingle joints are closer than 4 in. to one another.



6. LOW SLOPE APPLICATION

On pitches 2 in. per foot to 4 in. per foot cover the deck with two layers of underlayment. Begin by applying the underlayment in a 1/2-sheet width along the eaves and overhanging the drip edge by 1/4 to 3/4 in. Place a full-sheet width over the 1/2-sheet width starter piece, completely overlapping it. All succeeding courses will be positioned to overlap the preceding course by 1/2-sheet width. If winter temperatures average 25°F or less, thoroughly cement the laps of the entire underlayment to each other with TAM-PRO or TAMKO Plastic Roof Cement from eaves and rakes to a point of at least 24 in. inside the interior wall line of the building. As an alternative, TAMKO's Moisture Guard Plus® self-adhering waterproofing underlayment may be used in lieu of the cemented felts.

7. MANSARD ROOF OR STEEP SLOPE ROOF

If the slope exceeds 21 in. per foot (60°), each shingle must be sealed with TAM-PRO SBS Adhesive or TAMKO Tam-Seal Adhesive immediately upon installation. Quarter-sized dabs of cement must be applied to shingles with a 5-1/8 in. exposure, use 6 fasteners per shingle. See Section 3 for the Mansard Fastening Pattern.

8. RE-ROOFING

Before re-roofing, be certain to inspect the roof decks. All plywood shall meet the requirements listed in Section 1.

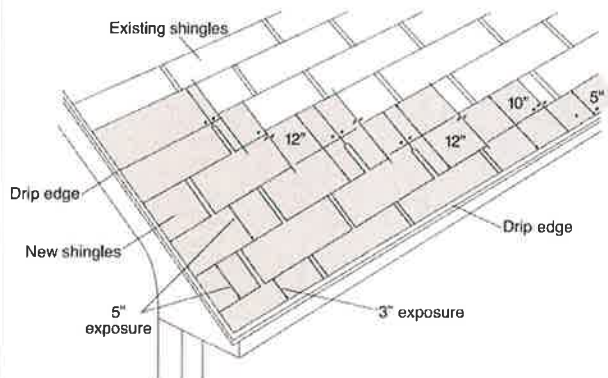
Nail down or remove curled or broken shingles from the existing roof. Replace all missing shingles with new ones to provide a smooth base. Shingles that are buckled usually indicate warped decking or protruding nails. Hammer down all protruding nails or remove them and refasten in a new location. Remove all drip edge metal and replace with new.

If re-roofing over an existing roof where new flashing is required to protect against ice dams (freeze/thaw cycle of water and/or the backup of water in frozen or clogged gutters), remove the old roofing to a point at least 24 in. beyond the interior wall line and apply TAMKO's Moisture Guard Plus® waterproofing underlayment. Contact TAMKO's Technical Services Department for more information.

The nesting procedure described below is the preferred method for re-roofing over square tab strip shingles with a 5-1/8 in. exposure.

Starter Course: Begin by using TAMKO Shingle Starter or by cutting shingles into 5-1/8 x 36 inch strips. This is done by removing the 5-1/8 in. tabs from the bottom and approximately 2 in. from the top of the shingles so that the remaining portion is the same width as the exposure of the old shingles. Apply the starter piece so that the self-sealing adhesive lies along the eaves and is even with the existing roof. The starter strip should be wide enough to overhang the eaves and carry water into the gutter. Remove 3 in. from the length of the first starter shingle to ensure that the joints from the old roof do not align with the new.

First Course: Cut off approximately 2 in. from the bottom edge of the shingles so that the shingles fit beneath the existing third course and align with the edge of the starter strip. Start the first course with a full 36 in. long shingle and fasten according to the instructions printed in Section 3.



Second and Succeeding Courses: According to the off-set application method you choose to use, remove the appropriate length from the rake end of the first shingle in each succeeding course. Place the top edge of the new shingle against the butt edge of the old shingles in the courses above. The full width shingle used on the second course will reduce the exposure of the first course to 3 in. The remaining courses will automatically have a 5-1/8 in. exposure.

(Continued)

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tamko.com

Central District	220 West 4th St., Joplin, MO 64801	800-641-4691
Northeast District	4500 Tamko Dr., Frederick, MD 21701	800-368-2055
Southeast District	2300 35th St., Tuscaloosa, AL 35401	800-228-2656
Southwest District	7910 S. Central Exp., Dallas, TX 75216	800-443-1834
Western District	5300 East 43rd Ave., Denver, CO 80216	800-530-8868

9. VALLEY APPLICATION

Over the shingle underlayment, center a minimum 36 in. wide sheet of Moisture Guard Plus® or a minimum 50 lb. roll roofing in the valley. Nail the underlayment only where necessary to hold it in place and then only nail the outside edges.

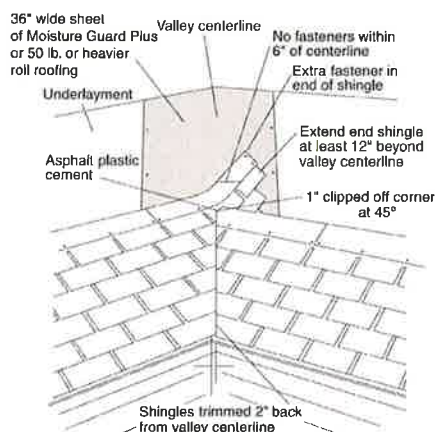
IMPORTANT: PRIOR TO INSTALLATION WARM SHINGLES TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES TO FORM VALLEY.

After valley flashing is in place:

- Apply the first course of shingles along the eaves of one of the intersecting roof planes and across the valley.
- **Note:** For proper flow of water over the trimmed shingle, always start applying the shingles on the roof plane that has the lower slope or less height.
- Extend the end shingle at least 12 in. onto the adjoining roof. Apply succeeding courses in the same manner, extending them across the valley and onto the adjoining roof.
- Do not trim if the shingle length exceeds 12 in. Lengths should vary.
- Press the shingles tightly into the valley.
- Use normal shingle fastening methods.

Note: No fastener should be within 6 in. of the valley centerline, and two fasteners should be placed at the end of each shingle crossing the valley.

- To the adjoining roof plane, apply one row of shingles extending it over previously applied shingles and trim a minimum of 2 in. back from the centerline of the valley.
- Clip the upper corner of each shingle at a 45-degree angle and embed the end of the shingle in a 3 in. wide strip of asphalt plastic cement. This will prevent water from penetrating between the courses by directing it into the valley.
- **CAUTION:** Adhesive must be applied in smooth, thin, even layers. Excessive use of adhesive will cause blistering to this product. TAMKO assumes no responsibility for blistering.



FOR ALTERNATE VALLEY APPLICATION METHODS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT AT 800-641-4691.

10. HIP AND RIDGE FASTENING DETAIL

Apply the shingles with a 5-1/8 in. exposure beginning at the bottom of the hip or from the end of the ridge opposite the direction of the prevailing winds. Secure each shingle with one fastener 5-5/8 in. back from the exposed end and 1 in. up from the edge. Do not nail directly into the sealant.

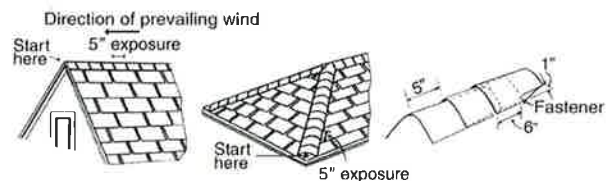
TAMKO recommends the use of TAMKO Hip & Ridge shingle products. Where matching colors are available, it is acceptable to use TAMKO's Glass-Seal or Elite Glass-Seal shingles cut down to 12 in. pieces.

NOTE: Use only Shingles and Hip & Ridge shingles with the Algae Relief feature on Glass-Seal or Elite Glass-Seal shingles with the Algae Relief feature.

Fasteners should be 1/4 in. longer than the one used for shingles.

IMPORTANT: PRIOR TO INSTALLATION, CARE NEEDS TO BE TAKEN TO PREVENT DAMAGE WHICH CAN OCCUR WHILE BENDING SHINGLES IN COOL WEATHER.

THESE ARE THE MANUFACTURER'S APPLICATION INSTRUCTIONS FOR THE ROOFING CONDITIONS DESCRIBED. TAMKO BUILDING PRODUCTS, INC. ASSUMES NO RESPONSIBILITY FOR LEAKS OR OTHER ROOFING DEFECTS RESULTING FROM FAILURE TO FOLLOW THE MANUFACTURER'S INSTRUCTIONS. FAILURE TO FOLLOW THESE INSTRUCTIONS WILL ADVERSELY AFFECT COVERAGE UNDER THE LIMITED WARRANTY. SEE THE LIMITED WARRANTY FOR DETAILS. IF YOU HAVE ANY QUESTIONS REGARDING THESE APPLICATION INSTRUCTIONS, PLEASE CONTACT TAMKO'S TECHNICAL SERVICES DEPARTMENT AT 800-641-4691.



TAMKO®, Moisture Guard Plus®, Tam-Shield®, TAM-PRO® and Elite Glass-Seal® are registered trademarks of TAMKO Building Products, Inc.

Information included in these application instructions was current at time of printing. To obtain a copy of the most current version of these application instructions, visit us online at tamko.com or call us at 800-641-4691.



Ron DeSantis, Governor

Halsey Beshears, Secretary



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

CONSTRUCTION INDUSTRY LICENSING BOARD
THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES



LOPEZ, ROBIN
SUMMERTIME DECK AND DOCK LLC
5968 LAKEHURST DRIVE
ORLANDO FL 32819

LICENSE NUMBER: CGC1511647

EXPIRATION DATE: AUGUST 31, 2022

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	2020		EXPIRES 9/30/2021			1801-1079718
1801 CERTIFIED GENERAL CO	\$30.00	1 EMPLOYEE	; 5000	BUSINESS OFFICE	\$30.00	1 EMPLOYEE ;

TOTAL TAX \$60.00
 PREVIOUSLY PAID \$60.00
 TOTAL DUE \$0.00

LOPEZ ROBIN QUALIFIER

SUMMERTIME DECK AND DOCK LLC
 LOPEZ ROBIN
 5968 LAKEHURST DR #B
 ORLANDO FL 32819

5968 LAKEHURST DR #B (MOBILE)
A - ORLANDO, 32819

PAID: \$60.00 0098-00931129 7/1/2020

Tax Collector Scott Randolph

Local Business Tax Receipt

Orange County, Florida

This local Business Tax Receipt is in addition to and not in lieu of any other tax required by law or municipal ordinance. Businesses are subject to regulation of zoning, health and other lawful authorities. This receipt is valid from October 1 through September 30 of receipt year. **Delinquent penalty is added October 1.**

	2020		EXPIRES 9/30/2021			1801-1079718
1801 CERTIFIED GENERAL CO	\$30.00	1 EMPLOYEE	; 5000	BUSINESS OFFICE	\$30.00	1 EMPLOYEE ;

TOTAL TAX \$60.00
 PREVIOUSLY PAID \$60.00
 TOTAL DUE \$0.00



LOPEZ ROBIN QUALIFIER

SUMMERTIME DECK AND DOCK LLC
 LOPEZ ROBIN
 5968 LAKEHURST DR #B
 ORLANDO FL 32819

5968 LAKEHURST DR #B (MOBILE)
A - ORLANDO, 32819

PAID: \$60.00 0098-00931129 7/1/2020

This receipt is official when validated by the Tax Collector.

Orange County Code requires this local Business Tax Receipt to be displayed conspicuously at the place of business in public view. It is subject to inspection by all duly authorized officers of the County.