



City of Santa Fe

Land Use Department | Historic Preservation Division

Administrative Approval

THIS IS NOT A CONSTRUCTION PERMIT

DO NOT BEGIN WORK WITHOUT A PERMIT. SUBMIT THIS FORM WITH YOUR CONSTRUCTION PERMIT APPLICATION AND RETAIN A COPY AT THE JOB

Date: November 27, 2023

To: Building Permit Division

From:

Paul Duran

Be advised that per §14-5.2 SFCC 1987 the work described below at the referenced address does NOT require Historic Districts Review Board approval and is hereby staff-approved as described below. Please allow the applicant to submit for a construction permit(s) for this work if required.

Project Address: 121 E SANTA FE AVE, Santa Fe, NM 87505

Case Number: 2023-007613--ADMIN

Contact Name: Brett E Trusko

Phone Number:

Email: brett.trusko@gmail.com

Approved Scope of Work: *The east dormer has windows that are not substantially like the other two dormers on the house. We would like to replace the windows on said dormer to reflect the style of the windows and the other two dormers more accurately. We propose to replace the windows with double paned in a style that is similar to the historic windows on the rest of the house (except the casita). This dormer was not a part of the original house and the current windows are substantially different. The replacement would include grills across the entire window. The windows will be painted white consistent with the primary color of the house.*

The house hasn't been painted in at least 20 years. Weather and UV damage can still be mitigated with new primer and paint. We propose painting the house the same color of white.

The windows have had little or no paint for at least 20 years. We propose to repair and repaint the windows. These windows are angled sash weighted windows. At least half of them is semi-functional due to the ropes being cut. We will paint the windows the original white.

We still have four original screens for the windows (11 windows). We would like to request that we repair and replace the screens as well as manufacture identical new storm windows for the winter weather. Current color is white. We anticipate that the color will remain white, but would like to be granted the option for light blue.

Repair the brick planter immediately in front of the deck. Many bricks are missing. We will endeavor to use the same bricks, but may not be able to locate them, in which case we would like to substitute like/kind.

The front door needs repair. There are several holes in it and one of the decorative accents is missing. We would like to repair and repaint the door white, which is the current color. Additional problems include failure to close properly, allowing cold weather in as well as loose glass.

Replace decrepit fence at the end of the driveway (on west side of the house) with a higher quality cedar single gate as well as a double gate to accommodate larger items going to the backyard (see drawing). Regarding the double gate, the single gate is not large enough to accommodate furniture or appliances that need to go to the back of the house or the ADU. The current fence is in disrepair and is currently painted red. We propose to stain cedar in a red tint that would not significantly change the look.

Conditions of Approval: *No other work is approved at this time.*

**FURTHER ACTIONS REQUIRED: PERMIT or PERMIT REVISION
FINAL HISTORIC INSPECTION**

Santa Fe Historic Preservation Division

Via email

Re: 121 E Santa Fe Ave. 1904 build craftsman home. Memorandum of Information

December 27, 2023

Dear Historic Preservation Division,

The purpose of this letter is:

- In follow-up to our series of emails back and forth, and to the letter sent November 11th,
- to rescind the remaining parts of an application,
- and to share a Memorandum of Information.

Application: Thank you for your November 27th list of administratively approved items. We will execute against this list. We are rescinding any remaining requests in this application.

Memorandum of Information

NM Code of Ordinances 14-5.2b sections 11-13, states that as an owner of an historic property, I am required to protect and maintain it.

The roof replacement was approved July 28th, including the required slope changes to enable proper drainage. The previous roof angles contributed to damage of the roof, and to leaking water which rotted the supporting walls. This had to be corrected, as approved in the roof replacement documents.

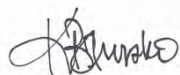
Research of craftsman homes of that era showed that shakes were often the norm - also evidenced by the house dormers, back of house, and in dormers and full siding on several houses on the street of the same era. Discussions with your inspectors about this building covering was answered with - it's not visible from the road, and doesn't need approval.

In summary: The utility room that supports the roof, is a part of what was corrected in execution of the approved roof work. It *is a match* to a 1904 craftsman style vs the rotted stucco that had been there, likely back to the 1970s when it is estimated that the part was added. The 1970s was prior to the declaration of South Capitol as an historic district. It's not clear when the city became aware of the back structure, but it IS listed in tax records and all owners have paid taxes based on the city and title companies' knowledge of its existence.

We are rescinding any parts of the application that are not already administratively approved in Mr. Duran's Nov 27th email.

Thank you for your time and attention in our efforts to restore this lovely - old house to its 1904 glory.

Respectfully,



Kirsten Trusko

415.860.7025 (cell – voice or text), kbtrusko@gmail.com



City of Santa Fe
 Land Use Department
 200 Lincoln Ave.
 Santa Fe, New Mexico 87504-0909

Permit NO: 2023-30663-EXPR Permit IVR Number: 248330
 Permit Type: Express (Residential)
 Work Classification: Re-roof
 Permit Status: Issued

Permit

Issue Date: 08/16/2023 Expiration: 08/15/2024

Location Address **Parcel Number**
 121 E SANTA FE AVE, Santa Fe, New Mexico 87505 11444608

Contacts	
Property Owner Brett Trusko 121 E Santa Fe AVE, Santa Fe, NM 87505 brett.trusko@gmail.com	Applicant DURABUILD CONSTRUCTION LLC 19 PLAZA LA PRENSA UNIT A, SANTA FE, NM 87507 (505)920-5819 daniel@durabuildconstruction.org
Applicant Vaughn Irving 19 Plaza La Prensa Unit A, Santa Fe, NM 87507 vaughn@durabuildconstruction.org	Contractor DURABUILD CONSTRUCTION LLC 19 PLAZA LA PRENSA UNIT A, SANTA FE, NM 87507 (505)920-5819 daniel@durabuildconstruction.org

Description: Re-roof	Valuation: \$43,494.00 Total Sq Feet: 2,700.00	Inspection Requests: https://santafenm-emergovpub.tylerhost.net/V/Apps/call-service#/home
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Occupancy Classification:
Type of Construction:

Fees	Amount	Payments	Amt Paid	Inspections:	
Administration Fee	\$40.00	Total Fees	\$925.48	Inspection Type	IVR No.
Archaeological fee	\$10.00	Credit Card	\$925.48	Building, Exterior	108
Permit fee	\$583.65	Amount Due:	\$0.00	Sheathing/Roof Deck	
Residential Plan Review Fee	\$291.83			Final Building	199
Total:	\$925.48				

Bobby Padilla

FIELD COPY

August 16, 2023

Issued By Bobby Padilla, Certified Building Official Date

By accepting this Permit and conducting work authorized by it, the Parties Identified on this Permit under "Contacts" above hereby agree to comply with all applicable statutes and law adopted by the State of New Mexico, all applicable codes and ordinances adopted by the City of Santa Fe, and all conditions of this Permit. Violation of legal requirements or Permit conditions may result in revocation of this permit under SFCC 1987, Section 14-11.4, Per-SFCC Section 14.3-11(D)(5), the construction permit poster must be posted within 24 hours of issuance, must be securely placed on the property, and must be prominently displayed and readable from the street for the duration of construction. As set forth in SFCC 1987, Section 14.3.17, this Permit may be appealed within fifteen (15) days of the date it is posted, and in the event that an appeal is upheld, this permit may be revoked. By accepting this Permit or conducting work, the Parties hereby agree that any grading, building alteration, repairing, or any other construction work conducted during the appeal period is done at the Parties' own risk and without reliance on the issuance of this Permit. If the Permit is revoked, the Parties may be required to remove or remediate any building, grading, alteration, repairing, or any other construction that was conducted during the appeal period or conducted in violation of legal requirements or Permit conditions.

DISTRIBUTION: COPIES TO ORIGINATING OFFICE and APPLICANT
 Please note that all construction sites and associated permit holders within the City of Santa Fe must adhere to the approved best management practices (BMPs), for construction site management of stormwater runoff. Construction General Permits (CGP) and construction sites that disturb one (1) or more acres, including smaller sites that are part of a larger plan development, must submit an US EPA Notice of Intent. Please see the following links for guidelines:

- How to Apply for an US EPA Notice of Intent (NOI): https://www.santafenm.gov/media/archives_center/EPA_NOI_Combined.pdf
- Best Management Practices for Construction Sites: https://www.santafenm.gov/media/archives_center/Best_Management_Practices1.pdf
- US EPA Helpful Links for Construction Site Management: <https://www.epa.gov/npdes/stormwater-discharges-construction-activities>



City of Santa Fe Land Use Department

Construction Application & Checklist Commercial and Residential Re-Roof Submittals

OFFICE HOURS:
MONDAY - FRIDAY
8:00AM TO 5:00PM

CLOSED
12:00PM - 1:00PM

TO BE COMPLETED BY CITY STAFF

APPLICATION TRACKING #

23-30663

TYPE EXPR ACCEPTED BY Jane R DATE ACCEPTED 7/28/23
PLAN CHECK FEE \$ 291.83 WATER BUDGET FEES - PERMIT FEE \$ 583.65

ZONE DISTRICT: R21 LAND USE CLASSIFICATION: Escarpment Floodplain Historical

TO BE COMPLETED BY APPLICANT

SITE ADDRESS 121 E. Santa Fe Ave SUBDIVISION Don Gaspar LOT 21 BLOCK 100

<input type="checkbox"/> Owner/Builder	<input checked="" type="checkbox"/> Contractor
PROPERTY OWNER <u>Brett Trusko</u>	CONTRACTOR NAME: <u>Durabuild Construction Inc</u>
MAILING ADDRESS <u>121 E. Santa Fe Ave</u>	MAILING ADDRESS <u>19 Plaza la Prensa, 87507</u>
<u>Santa Fe, NM 87505</u>	DAY TIME PHONE (<u>505</u>) <u>920-5819</u>
DAY TIME PHONE (<u>925</u>) <u>858-0905</u>	State License # <u>392695</u> City License # <u>228692</u>
EMAIL ADDRESS <u>brett.trusko@gmail.com</u>	EMAIL ADDRESS <u>daniel@durabuildconstruction.org</u>

PROJECT INFORMATION:
Construction Valuation \$ \$43,494 Roofing Sq. Ft. 2700 Building Type: Home

Roof Pitch 7:12 No. of Existing Layers 2 Roof Classification B (A, B, or C)

OVERLAY DISTRICTS:

Historic Preservation Districts (pre-approval required, if applicable) Escarpment Overlay District (pre-approval required, if applicable)

DOCUMENT SUBMITTALS: 2 Sets of the following:

- Roof Plan: Type of roof system, the roof slope, and roof drainage
- Manufacturer's specifications and installation instructions

ALL COMMERCIAL RE-ROOF PROJECTS REQUIRE PROFESSIONAL SEALS TO ENSURE THE FOLLOWING:

- The structure is sufficient to sustain the weight of the additional dead load for the new roof system
- The roof deck is structurally sound
- Roof drains and drainage are sufficient to prevent extensive accumulation of water
- The existing roof system is securely attached to the deck
- The existing roof assembly above the deck line is dry or otherwise not deteriorated
- Fire retardant requirements are maintained

I hereby certify that I am the duly appointed agent authorized to act on behalf of the property owner. I also certify that the information provided in this application is true and correct and it represents the current and proposed status of the subject property; that the plans submitted with this application are complete and in compliance with the building standards set forth in the Santa Fe City Code; and that the plans illustrate all public and private easements located on the property. I also certify that plans and submittals have been prepared in accordance with the submittal checklist. I further understand that failure to follow submittal checklist will result in the delay or rejection of my application.

Contact Name Vaughn Irving

Contact Phone (505) 577-4509

Signature [Signature]

Date 07/27/2023

200 Lincoln Avenue, Santa Fe, NM 87501 (505) 955-6585

APPLICATION MUST BE SUBMITTED IN PERSON



City of Santa Fe

Land Use Department | Historic Preservation Division

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Date: July 27, 2023

To: Building Permit Division

From:

Paul Duran

Be advised that per §14-5.2 SFCC 1987 the work described below at the referenced address does NOT require Historic Districts Review Board approval and is hereby staff-approved as described below. Please allow the applicant to submit for a construction permit(s) for this work if required.

Project Address: 121 E SANTA FE AVE, Santa Fe, NM 87505

Case Number: 2023-007139--ADMIN

Contact Name: Vaughn M Irving

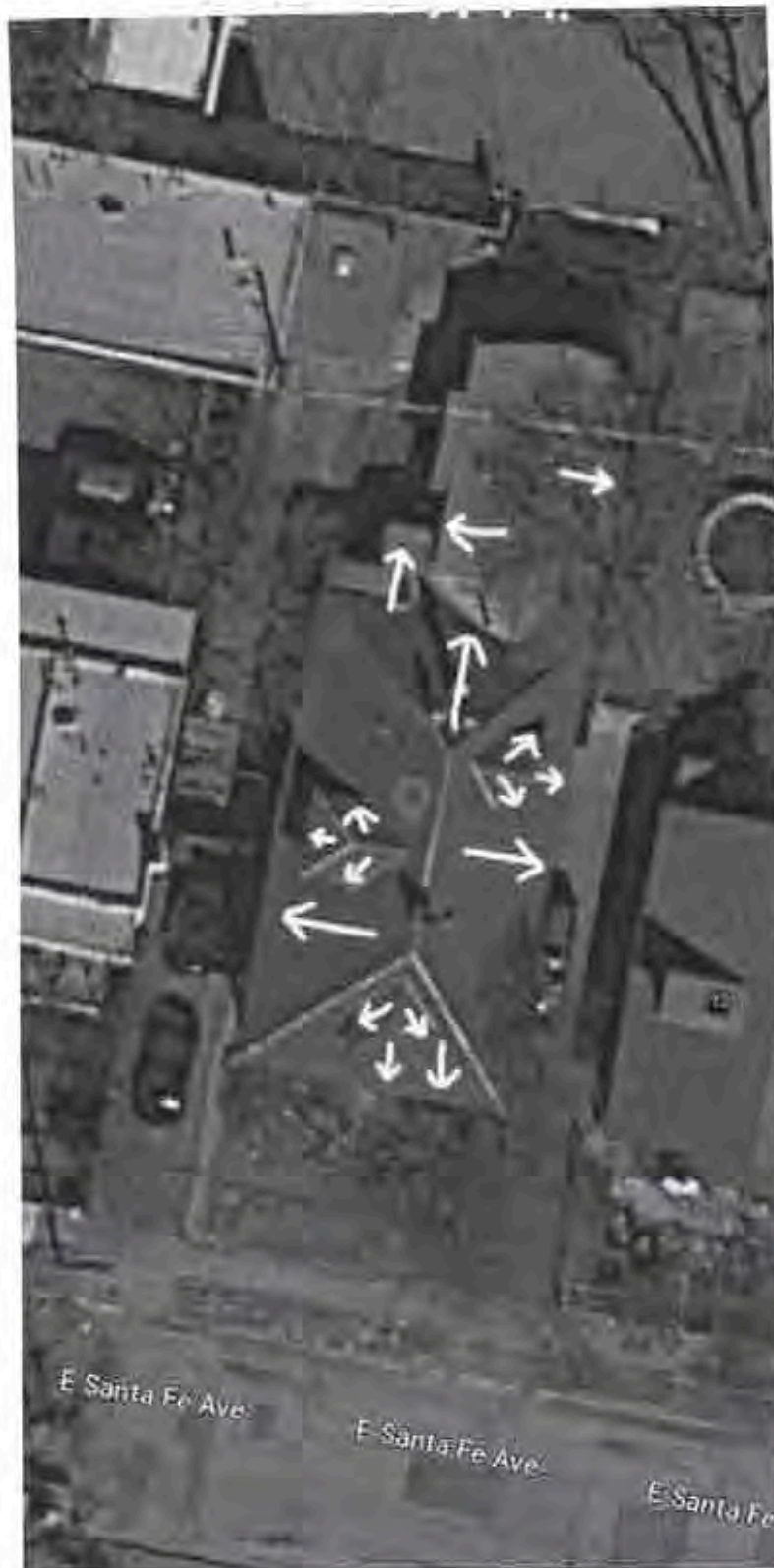
Phone Number:

Email: vaughn@durabuildconstruction.org

Approved Scope of Work: *Re-roof structure as submitted with the conditions that there shall be no publicly visible rooftop appurtenances. Repair damaged wood in-kind maintaining as much historic materials as possible. Shingles will be replaced in kind with Terra Cotta color to match existing.*

**FURTHER ACTIONS REQUIRED: ROUTE TO HISTORIC DIVISION
FINAL HISTORIC INSPECTION**

121 E. Santa Fe Ave, 87505



Scope of Work

Tear off existing roof layers down to decking. Inspect roof decking and framing. Repair decking if necessary.

Install new ice shield as needed and required by code. Install new roofing shingles that will match existing roof color and materials as best as possible. Seal all roof jacks, skylights, fireplaces and edges.

Tear off existing metal roof layers down to decking. Inspect roof decking and framing. Repair decking as needed.

Install new ice shield. Install new shingles on back part of house (addition) to match existing and meet historic division requirements.

Slope on front section 7:12

Slope on addition 5:12



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

PROJECT ARCHITECT RESPONSIBILITY: This is a general specification guide, intended to be used by experienced construction professionals, in conjunction with good construction practice and professional judgment. This guide is to aid in the creation of a complete building specification that is to be fully reviewed and edited by the architect of record (specifier). Sections of this guide should be included, edited, or omitted based on the requirements of a specific project. It is the responsibility of both the specifier and the purchaser to determine if a product or system is suitable for its intended use within their project's respective zip code. Neither Owens Corning, nor any of its subsidiary or affiliated companies, assume any responsibility for the content of this specification guide relative to actual projects and specifically disclaim any and all liability for any errors or omissions in design, detail, structural capability, attachment details, shop drawings or other construction related details, whether based upon the information provided by Owens Corning or otherwise.

SECTION 07 31 13.13 - FIBERGLASS-BASED ASPHALT SHINGLES & ACCESSORIES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Roof shingles and accessories including the following:
 - 1. Fiberglass-based asphalt shingles.
 - 2. Hip and ridge shingles.
 - 3. Starter shingles.
 - 4. Self-adhering ice and water barrier.
 - 5. Shingle underlayment.
 - 6. Attic ventilation.
 - 7. Fasteners.
 - 8. Metal flashing and trim.

1.2 RELATED SECTIONS

****NOTE TO SPECIFIER**** Delete and/or add other sections as required.

- A. Section 061000 - Rough Carpentry.
- B. Section 071300 - Sheet Waterproofing.
- C. Section 072200 - Roof and Deck Insulation; for insulation placed over roof decking.
- D. Section 076000 - Flashing and Sheet Metal; for snow guards, metal flashing and drip edges, including step-type flashing installed with shingles.
- E. Section 077100 - Roof Specialties: Manufactured Gutters and Downspouts.
- F. Section 077200 - Roof Accessories.
- G. Section 086000 - Roof Windows and Skylights.

****NOTE TO SPECIFIER**** Delete references from the list below that are not required.

1.3 REFERENCES

- A. American Society of Civil Engineers (ASCE).
 - 1. ASCE 7 - Minimum Design Loads for Buildings and Other Structures
- B. Asphalt Roofing Manufacturers Association (ARMA).



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

- J. FM Approvals
 - 1. FM 4474 - American National Standard for Evaluating the Simulated Wind Uplift Resistance of Roof Assemblies Using Static Positive and/or Negative Differential Pressures.
 - 2. FM 4475 - Approval Standard for Class 1 Steep Slope Roof Covers
- K. Florida Building Commission (FBC):
 - 1. Florida Building Code.
 - 2. Florida Product Approvals.
- L. Environmental Protection Agency (EPA): ENERGY STAR Rating System.
- M. International Code Council (ICC):
 - 1. International Residential Code (IRC).
 - 2. International Building Code (IBC).
- N. International Code Council Evaluation Service (ICC-ES)
 - 1. ICC-ES Evaluation Reports.
 - 2. ICC-ES Acceptance Criteria.
- O. Intertek
 - 1. Intertek Code Compliance Research Report (CCRR)
- P. Miami-Dade County Department of Regulatory and Economic Resources (RER), Product Control Section:
 - 1. Miami-Dade County Notice of Acceptance (NOA).
- Q. National Roofing Contractors Association (NRCA).
- R. Sheet Metal and Air Conditioning Contractors National Association, Inc. (SMACNA) – Architectural Sheet Metal Manual.
- S. Texas Department of Insurance (TDI): Product Listing.
- T. Underwriters Laboratories (UL):
 - 1. UL 790 - Standard Test Methods for Fire Test of Roof Coverings.
 - 2. UL 2218 - Impact Resistance of Prepared Roof Covering Materials.
 - 3. UL 1897 - Uplift Tests for Roof Covering Systems.
- U. PRI Evaluation Services
 - 1. PRI Evaluation Reports.
- V. US Green Building Council (USGBC): Leadership in Energy and Environmental Design (LEED).
- W. SCS Global Services – 20% Pre-Consumer Recycled Content Certification

1.4 REGULATORY REQUIREMENTS AND CERTIFICATIONS

- A. Provide a roofing system having an Underwriters Laboratories (UL) Class A or ASTM E108 Class A fire resistance classification.
- B. When applicable, provide a roofing system that will help to qualify points for LEED certification:
 - 1. Sustainable Site credit – Heat Island Reduction.
 - 2. Materials and Resource credit – Building Product Disclosure and Optimization - Environmental Product Declaration (manufacturer specific Environmental Product Declarations).



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

3. Roofing material availability, storage and handling.
 4. Additional roof covering and roof accessory materials.
 5. Through roof penetrations and other roof details.
 6. Product compliance – Verify that products comply with requirements specified by local Authority Having Jurisdiction (AHJ).
 7. All other items related to successful execution/completion of work.
- B. Submit printed copies of Owens Corning product data sheets indicating product characteristics, product information, installation instructions (including required preparation and installation procedures), product limitations and color samples.

1.8 QUALITY ASSURANCE

- A. **Manufacturer Qualifications:** Provide all primary roofing products, including shingles, underlayment, ice and water barrier, and ventilation, by a single manufacturer.
- B. **Installer Qualifications:** Installer shall be licensed or otherwise authorized by all federal, state and local authorities to install all products specified in this section. Installer shall follow Owens Corning published installation instructions.

****NOTE TO SPECIFIER**** Delete one of two options below. Select option based on desired warranty.

1. Installer shall be an Owens Corning Roofing Platinum Preferred Contractor as defined and certified by Owens Corning.
2. Installer shall be an Owens Corning Roofing Preferred Contractor as defined and certified by manufacturer.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to site in manufacturer's unopened bundles with labels intact and legible.
- B. Store all products in manufacturer's unopened, labeled packaging until they are ready for installation.
- C. Store all products in accordance with Owens Corning recommendations.
- D. Do not install underlayment or shingles on wet surfaces.
- E. Store and dispose of solvent-based materials in accordance with all federal, state and local regulations.
- F. For rooftop loading, lay shingle bundles flat. Do not bend over the ridge.

1.10 PROJECT CONDITIONS

- A. Do not install systems under environmental conditions outside Owens Corning recommended limits. Proceed with work only when existing and forecasted weather conditions will permit work to be performed within Owens Corning recommended limits.

1.11 WARRANTY

- A. **Standard Limited Warranty:** Provide to the Owner Owens Corning standard prorated warranty coverage for materials in the event of a material defect, including up to 10 years Tru Protection® coverage. Refer to actual warranty for complete details, limitations and requirements.
- B. **Manufacturer's Extended Limited Warranty:** Provide to the Owner Owens Corning standard extended warranty coverage labor and materials in the event of a material defect. Refer to actual warranty for complete details, limitations and requirements.



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

****NOTE TO SPECIFIER**** Delete one of two options below. Select option based on desired warranty.

1. Owens Corning System Protection Roofing Limited Warranty including extended Tru Protection® (non-prorated) coverage on installed Owens Corning Roofing System products. The length of the Tru Protection® coverage is based upon the shingle product installed on the field of the roof. Coverage can only be provided by a designated Owens Corning Roofing Preferred or Platinum Preferred Contractor.
2. Owens Corning Preferred Protection Roofing System Limited Warranty includes Tru Protection® (non-prorated) coverage on installed Owens Corning Roofing System products. The length of the Tru Protection® coverage is based upon the shingle product installed on the field of the roof. This warranty will also cover workmanship defects by the installer. Coverage can only be provided by a designated Owens Corning Roofing Preferred or Platinum Preferred Contractor.
3. Owens Corning Platinum Protection Roofing System Limited Warranty includes Tru Protection® (non-prorated) coverage on installed Owens Corning Roofing System products. The length of the Tru Protection® coverage is based upon the shingle product installed on the field of the roof. This warranty will also cover workmanship defects by the installer. Coverage can only be provided by a designated Owens Corning Roofing Platinum Preferred Contractor.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Owens Corning Roofing and Asphalt, LLC; One Owens Corning Pkwy, Toledo, OH 43659; Toll Free: 1-800-ROOFING; Email: ocbuildingspec@owenscorning.com; Web: www.owenscorning.com.
- B. Requests for substitutions will be considered in accordance with provisions of Section 015000.

2.2 ASPHALT SHINGLES

****NOTE TO SPECIFIER**** Delete roof shingle products from the list below that are not required.

****NOTE TO SPECIFIER**** Verify with the manufacturer regional product availability.

- A. Duration® Premium (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 4 bundles of 16 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, and PRI ER 1378E01.
- B. Duration® Premium (Non Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
 1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 4 bundles of 16 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, and PRI ER 1378E01.
- C. Duration® Premium CGOL (Non-Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 4 bundles of 16 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), meets the ENERGY STAR® requirements for initial solar reflectance of 0.25 and 3-year aged solar reflectance of 0.15, 2010 California Building Energy Efficiency Standards, Title 24, Part 6 requirements, Listed by the Cool Roof Rating Council (CRRC), ICC-ES AC438, PRI ER 1378E01, and Florida Product Approval.
- D. TruDefinition® Duration® (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), CSA A123.5, ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.
- E. TruDefinition® Duration® (Non-Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.



Fiberglass-Based Asphalt Shingles & Accessories

Guide Specifications

- F. TruDefinition® Duration® COOL (Non-Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), Listed by the Cool Roof Rating Council (CRRC), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.
- G. TruDefinition® Duration® COOL PLUS (Non-Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL 790 (Class A Fire Resistance), Listed by the Cool Roof Rating Council (CRRC), ICC-ES AC438, PRI ER 1378E01, Florida Product Approval, and Miami-Dade County Product Approval.
- H. TruDefinition® Duration® Designer Color Collection (Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.
 8. Standards/Qualifications: ASTM D228, ASTM D3018 (Type 1), ASTM D3161 (Class F Wind Resistance), ASTM D3462, ASTM D7158 (Class H Wind Resistance), ASTM E108/UL790 (Class A Fire Resistance), CSA A123.5, Florida Product Approval, Miami-Dade County Product Approval, ICC-ES AC438, and PRI ER 1378E01.
- I. TruDefinition® Duration® Designer Color Collection (Non-Algae Resistant) Shingles: As manufactured by Owens Corning Roofing and Asphalt, LLC.
1. **Product Attributes: Includes SureNail® Technology, a woven fabric reinforcing strip in the nailing zone on the shingle's top surface.**
 2. Nominal Size: 13-1/4 in (337 mm) by 39-3/8 in (1000 mm).
 3. Exposure: 5-5/8 in (143 mm).
 4. Shingles per Square: 64.
 5. Bundles per Square: 3 bundles of 20 or 22 shingles.
 6. Coverage per Square: 98.4 sq ft (9.1 sq m).
 7. Color: As selected from manufacturer's full range.



DURATION[®] SERIES SHINGLES

INSTALLATION INSTRUCTIONS

Instrucciones para la instalación

TruDefinition[®] Duration[®]
Designer Colors
Collection Shingles

TruDefinition[®] Duration[®]
Shingles

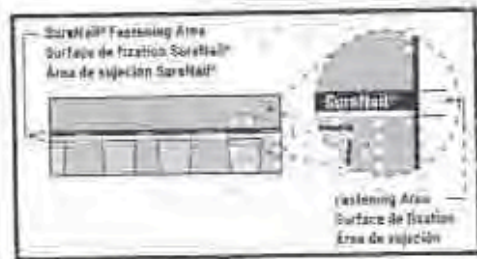
TruDefinition[™] Duration[™]
COOL Plus Shingles

TruDefinition[™] Duration[™]
COOL Shingles

TruDefinition[™] Duration
MAX[®]

Duration[™] Premium
Shingles





CAUTION: DO NOT MIX MATERIAL BEARING

CAUTION: DO NOT MIX MATERIAL BEARING DIFFERENT LOT NUMBERS. REFER TO THE LOT NUMBERS LOCATED ON THE SIDE OF THE BUNDLE.

PRECAUCIÓN: PRECAUCIÓN: NO MEZCLE MATERIALES CON DIFERENTES NÚMEROS DE LOTE. CONSULTE LOS NÚMEROS DE LOTE UBICADOS EN EL COSTADO DEL PAQUETE.

Application Instructions

Before installing this product, check local building codes for roofing requirements.

These shingles are designed for new or reroofing work over any properly built and supported wood roof deck having adequate nail holding capacity and a smooth surface. Must comply with local building codes.

Precautionary Note:

The manufacturer will not be responsible for problems resulting from any deviation from the application instructions and the following precautions:

- **Roof Top Loading:** Lay shingle bundles flat. Do not bend over the ridge.
- **Roof Deck:** Minimum 6 inch roof deck boards, minimum 5/8 inch plywood, minimum 1 1/8 inch OSB, sheathing spaced minimum 1/4 inch and maximum 1/2 inch. Regardless of deck type used, the roofing installer must:
 1. Install the deck material in strict compliance with the deck manufacturer's instructions.
 2. Prevent the wood deck from getting wet before, during and after installation.
- **Ventilation:** Must comply with local building codes.
- **Handling:** Use extra care in handling shingles when the temperature is below 40°F.
- **Storage:** Store in a covered, ventilated area at a maximum temperature of 110°F. Bundles should be stacked flat. Do not store near steam pipes, radiators, etc.
- **Fastener Requirement:** Use galvanized steel, stainless steel or aluminum nails minimum 12 gauge shank with 3/8 inch diameter head. Owens Corning Roofing recommends that fasteners comply with ASTM F1667. Must comply with local building codes. All fasteners must penetrate at least 1/4 inch into the wood deck or completely through the deck by a minimum of 1/4 inch.

Notice: Owens Corning Roofing requires the use of nails as the method of attaching shingles to wood decking.

Instrucciones para la instalación

Antes de instalar este producto, verifique los códigos de construcción locales para saber cuáles son los requisitos del techo.

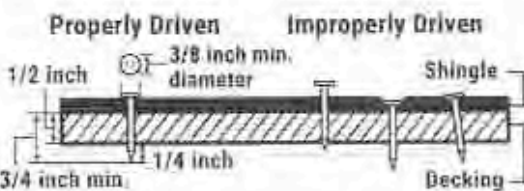
Estas tejas están diseñadas para trabajos de techado nuevo o para la reconstrucción de un techo antiguo que posea una plataforma de madera adecuada, con capacidad para sostener clavos y con una superficie lisa. Debe cumplir con los requisitos de los códigos de construcción locales.

Nota de precaución:

El fabricante no se hará responsable por los problemas que puedan resultar de cualquier desviación de las instrucciones para la instalación de las tejas y de las siguientes notas de precaución:

- **Carga en los techos:** Coloque los paquetes de tejas planas. No los doble sobre la cumbrera.
- **Estructura base del techo:** Placa base de madera con un ancho mínimo de 6 pulgadas; revestimiento mínimo de madera contrachapada de 5/8 pulgadas, paneles de fibra orientada (OSB) de un mínimo de 1 1/8 pulgadas; espacio de revestimiento mínimo de 1/4 pulgadas y máximo de 1/2 pulgadas. Independientemente del tipo de estructura base utilizada, el instalador (del techo) debe:
 1. Instalar el material de la estructura base del techo de manera que cumpla con las instrucciones de instalación del fabricante de dicho material.
 2. Asegurarse de que la estructura base de madera no se moje antes, durante y después de la instalación.
- **Ventilación:** Debe cumplir con los requisitos de los códigos de construcción locales.
- **Manipulación:** Tenga cuidado especial con la manipulación de las tejas cuando la temperatura sea inferior a 40°F.
- **Almacenamiento:** Conserve en un área cubierta y ventilada a una temperatura máxima de 110°F. Los paquetes deben estar apilados sobre sus lados. No los almacene cerca de tuberías de vapor, radiadores, etc.
- **Requisitos de los sujetadores:** Use clavos de acero galvanizado, acero inoxidable o aluminio, de vástago calibre 12 como mínimo y diámetro de cabeza de 3/8 pulg. Owens Corning Roofing recomienda que los sujetadores cumplan con la norma ASTM F1667. Debe cumplir con los requisitos de los códigos de construcción locales. Todos los sujetadores deben penetrar al menos 1/4 pulg. en la estructura de madera o atravesarla completamente un mínimo de 1/4 pulg.

Aviso: Owens Corning Roofing exige el uso de clavos como método preferido para fijar tejas a plataformas de madera.



1 Self-Adhered Ice & Water Barrier

Use an Owens Corning® Self-Adhered Ice & Water Barrier on the eaves in all regions of the country where roofs have had a history of ice and water backup. Apply starting at the eaves edge and extend upslope a minimum of 24 inches from the interior wall line. See Fig. 1.

Barrera autoadhesiva resistente al hielo y al agua

Utilice la barrera autoadhesiva resistente al hielo y al agua de Owens Corning® en los aleros de todas las regiones del país en las que los techos están expuestos a filtraciones por causa de la acumulación de agua y hielo. Para la instalación, comience en el borde del alero y extienda hacia arriba un mínimo de 24 pulgadas desde la línea de la pared interior. Ver la Fig. 1.

Fig. 1 Self-Adhered Ice & Water Barrier
Barrera autoadhesiva resistente al hielo y al agua



2 Synthetic Underlayment

Standard Slopes 4:12 and Greater
Use an Owens Corning® Synthetic Underlayment or equivalent underlayment meeting ASTM D226, D4869 or D6757. Follow underlayment manufacturer's application instructions and local building codes. See Fig. 2.

Membrana impermeabilizante sintética

Pendientes estándar 4:12 y superiores.
Use una membrana impermeabilizante sintética Owens Corning o una membrana equivalente que cumpla con ASTM D226, D4869 o D6757. Siga las instrucciones de instalación del fabricante de la membrana impermeabilizante y los códigos de construcción locales. Ver la Fig. 2.

Fig. 2 Synthetic Underlayment Standard Slope
Membrana impermeabilizante sintética - Pendiente estándar



3 Synthetic Underlayment

Low Slope 2:12 to Less than 4:12
Use an Owens Corning® Synthetic Underlayment or equivalent underlayment meeting ASTM D226, D4869 or D6757. Underlayment must be installed per the manufacturer's application instructions and local building codes. Each underlayment course must be overlapped a minimum of 1/2 the width of the underlayment plus 1 inch. See Fig. 3.

Or Owens Corning® Self-Adhered Ice & Water Barrier or equivalent with a standard overlap of 3 inches and metal drip-edge. See Fig. 3A.

Note: See technical bulletin for felt application.

Membrana impermeabilizante sintética

Pendientes bajas de 2:12 a menos de 4:12.
Use una membrana impermeabilizante sintética Owens Corning o una membrana equivalente que cumpla con ASTM D226, D4869 o D6757. La membrana impermeabilizante se debe instalar de acuerdo con las instrucciones del fabricante y los códigos de construcción locales. Cada hilera de membrana impermeabilizante debe superponerse un mínimo de la 1/2 (de) ancho de la membrana más 1 pulgada. Ver la Fig. 3.

O barrera autoadhesiva resistente al hielo y al agua de Owens Corning® o equivalente con una superposición estándar de 3 pulgadas y borde de goteo metálico. Ver la Fig. 3A.

Nota: Vea el boletín técnico para la aplicación de fieltro.

Fig. 3 Synthetic Underlayment Low Slope
Membrana impermeabilizante sintética - Pendiente baja

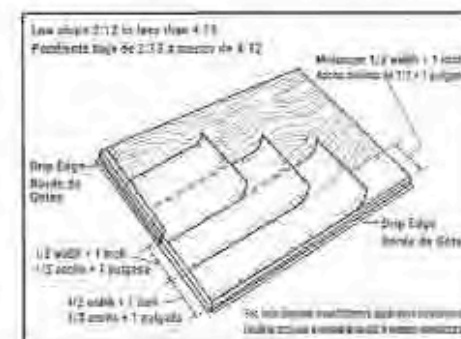
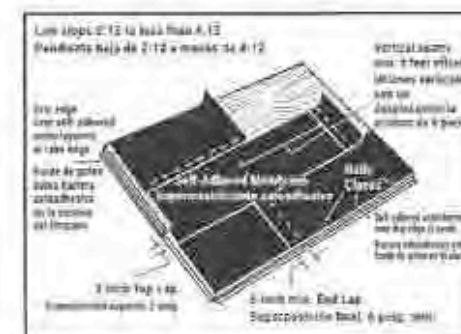


Fig. 3A Self-Adhered Ice & Water Barrier Low Slope
Barrera autoadhesiva resistente al hielo y al agua - Pendiente baja



4 Shingle Fastening Pattern

Standard Fastening Pattern:

Fasteners must be placed in the SureNail® Technology Fastening Area. See Fig. 4.

Six Nail Fastening Pattern:

Use 6 fasteners. See Fig. 4A.

Mansard or Steep Slope Fastening Pattern:

Place fasteners 6 1/4 inches from bottom edge to secure both layers of the shingle. Fasteners need to be located 6 1/4 inches above the butt edge of the shingle, regardless of whether they are in the granules or the SureNail® Technology fastening area. See Fig. 4B.

REQUIRED: For slopes exceeding 60 degrees or 21 inches per foot, use 6 fasteners and 4 spots of asphalt roof cement per shingle. Apply immediately, one 1 inch diameter spot of asphalt roof cement under each shingle tab. Center asphalt roof cement 2 inches up from bottom edge of shingle tab. See Fig. 4B.

Asphalt Roof Cement where required must meet ASTM D4586 Type I or II (Asbestos Free).

Note: Please be aware that excessive amounts of asphalt roof cement could blister the shingle.

Starter Course:

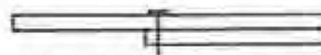
Use an Owens Corning® Starter product. Trim 6 1/2 inches off the rake of the starter course shingle and overhang the drip edge along the rake and eaves edge, 1/4 to 3/4 inch, and continue across the roof. Use 5 fasteners for each shingle, placed 2 to 3 inches up from eaves edge. See Fig. 5. If no drip edge is used, shingles must extend a minimum of 1/2 inch and no more than 1 inch from rake and eaves edge.



Shingle Side View



Vue latérale des bardeaux



Vista lateral de la teja

Patrón de sujeción de las tejas

Esquema de sujeción estándar:

Los sujetadores deben colocarse en el área SureNail® Technology. Ver la Fig. 4.

Esquema de sujeción de seis clavos:

Para un esquema de sujeción de 6 clavos: Ver la Fig. 4A.

Esquema de sujeción en mansarda o pendiente pronunciada:

Coloque los sujetadores a 6 1/4 pulg. del borde inferior para asegurar ambas capas de la teja. Los sujetadores deben colocarse a 6 1/4 pulgadas por encima del extremo inferior de la teja, sin importar si es sobre los granulos o el área de sujeción SureNail® Technology. Ver la Fig. 4B.

REQUISITOS: En el caso de los pendientes que superen los 60 grados o 21 pulgadas por pie, utilice seis sujetadores y cuatro puntos de cemento asfáltico para techos por teja. Aplique inmediatamente un punto de cemento asfáltico para techos de 1 pulgada de diámetro debajo de cada lengüeta de las tejas. Coloque el cemento asfáltico para techos a 2 pulgadas del borde inferior de la lengüeta de la teja. Ver la Fig. 4B.

En los casos en que se requiera, el cemento asfáltico para techos debe cumplir con la norma ASTM D4586 Tipo I o II (libre de asbestos).

Nota: Tenga en cuenta que una cantidad excesiva de cemento asfáltico para techos puede deformar la teja.

Hilera Inicial:

Utilice un producto de hilera inicial para techos de Owens Corning®. Recorte 6 1/2 pulgadas desde la cornisa del limpiacristales en la teja de la hilera inicial y nivele con el borde de goteo a lo largo de la cornisa y el borde del alero, entre 1/4 y 3/4 de pulg., y continúe a través del techo. Utilice 5 sujetadores para cada teja, colocados a una distancia de 2 a 3 pulgadas arriba del borde del alero. Ver la Fig. 5.

Si no utiliza un borde de goteo, las tejas deberán extenderse un mínimo de 1/2 pulgada desde la cornisa y el borde del alero.

Fig. 4 Standard Fastening Pattern Esquema de instalación estándar

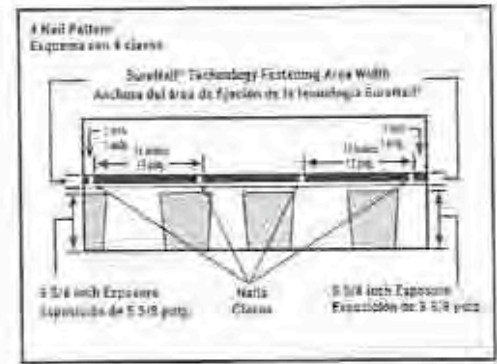


Fig. 4A Six Nail Fastening Pattern Esquema de instalación con seis clavos

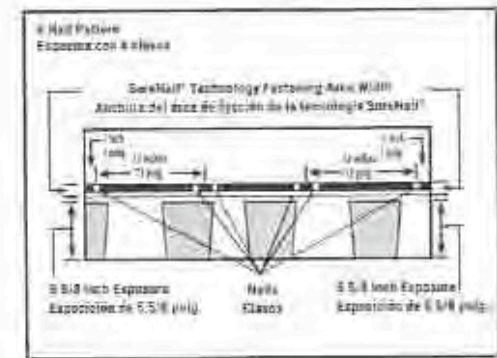


Fig. 4B Mansard or Steep Slope Fastening Pattern Esquema de instalación en pendientes pronunciadas o mansardas

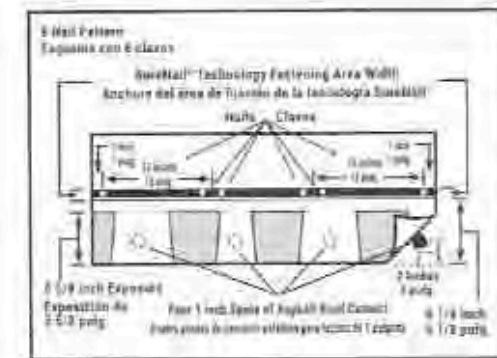
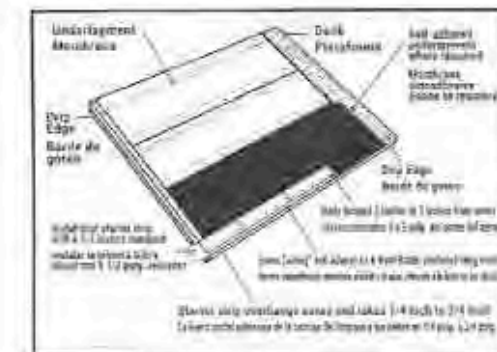


Fig. 5 Starter Strip Shingle Eaves Application Aplicación de las tejas para la hilera inicial en el alero



6 Valley Construction.

Closed-Cut Valley:

A closed-cut valley can be used as an alternative to woven and open valley and is applied as follows:

- Lay a 36 inch wide valley liner of self-adhered membrane underlayment or equivalent. A 36 inch wide minimum 50 lb smooth surface roll roofing can also be used as a valley liner.
- Lay all shingles on one side of valley and across center-line of valley a minimum of 12 inches.
- Fasten a minimum of 6 inches away from center-line on each side of valley.
- Strike a chalk line 2 inches from the center-line of the unshingled side.
- Apply shingles on the unshingled side up to the chalk line and trim, taking care not to cut the underlying shingles.
- Clip upper corner of these shingles and install a 3 to 4 inch wide continuous bead of roofing cement.
- Press shingles firmly into cement. Both woven and metal valleys are acceptable alternatives. See Fig. 6.

For California-Cut Valley, see technical bulletin at www.owenscorning.com

Construcción de limahoyas

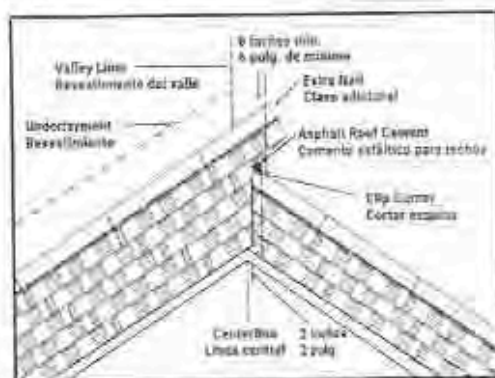
Limahoya cubierta:

Es posible usar como alternativa una limahoya cubierta en lugar de una limahoya entramada o descubierta, y se aplica de la siguiente manera:

- Coloque un revestimiento de limahoya de 36 pulgadas de ancho de impermeabilizante autoadhesivo o su equivalente. También es posible utilizar como revestimiento de limahoyas un rollo para techos de superficie lisa de 50 libras con un ancho mínimo de 36 pulgadas.
- Coloque todas las tejas en un lado de la limahoya y atravesando la línea central de la limahoya un mínimo de 12 pulgadas.
- Sujete a una distancia mínima de 6 pulgadas de la línea central a cada lado de la limahoya.
- Con una tiza, trace una línea a 2 pulgadas de la línea central del lado que no tenga tejas.
- Coloque las tejas sobre el lado que no tenga tejas hasta llegar a la línea de tiza y haga un recorte cuidando de no cortar las tejas que se encuentran por debajo.
- Recorte la esquina superior de estas tejas e instale una tira continua de 3 a 4 pulgadas de ancho de cemento estático. Presione firmemente las tejas contra el cemento.
- Es aceptable utilizar tanto limahoyas metálicas como tejidos. Ver in Fig. 6.

Para una limahoya tipo California, consulte el Boletín técnico en www.owenscorning.com

Fig. 6 Closed-Cut Valley Construction
Construcción del valle con corte cerrado



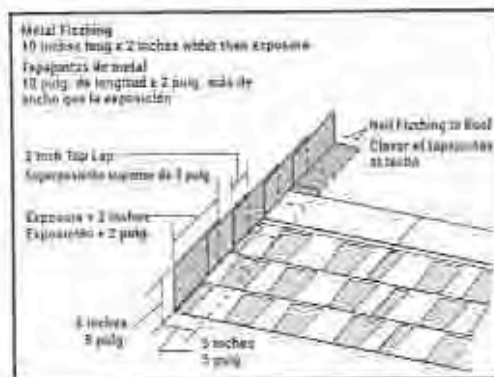
7 Step Flashing

Use 10 inches long and 2 inches wider than expected exposure corrosion-resistant metal when roof planes butt against vertical sidewalls or dormers. Check local building codes. For additional flashing details, go to www.owenscorning.com. See **Fig. 7**.

Tapajuntas escalonado

Utilice metal resistente a la corrosión con una exposición de 10 pulgadas de longitud y de 2 pulgadas más de ancho que la exposición esperada en los puntos en los que los planos del techo se unan a las paredes laterales verticales o a chimeneas. Consulte los códigos de construcción locales. Para obtener más información sobre tapajuntas, visite www.owenscorning.com. Ver la **Fig. 7**.

Fig. 7 Step Flashing
Tapajuntas escalonado



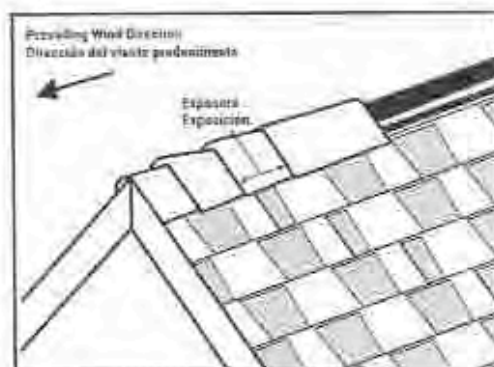
8 Hip & Ridge Application

Use corresponding Owens Corning Hip & Ridge Shingles to best complement shingle color. Follow specific application instructions as printed on the hip & Ridge Shingle package. See **Fig. 8**.

Aplicación para limatesa y cumbre

Use las tejas de limatesa y cumbre Owens Corning apropiadas para complementar el color de las tejas. Siga las instrucciones específicas de aplicación que se indican en el paquete de tejas de limatesa y cumbre. Ver la **Fig. 8**.

Fig. 8 Hip & Ridge Application
Instalación de caballetes y cumbres



CITY OF SANTA FE



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