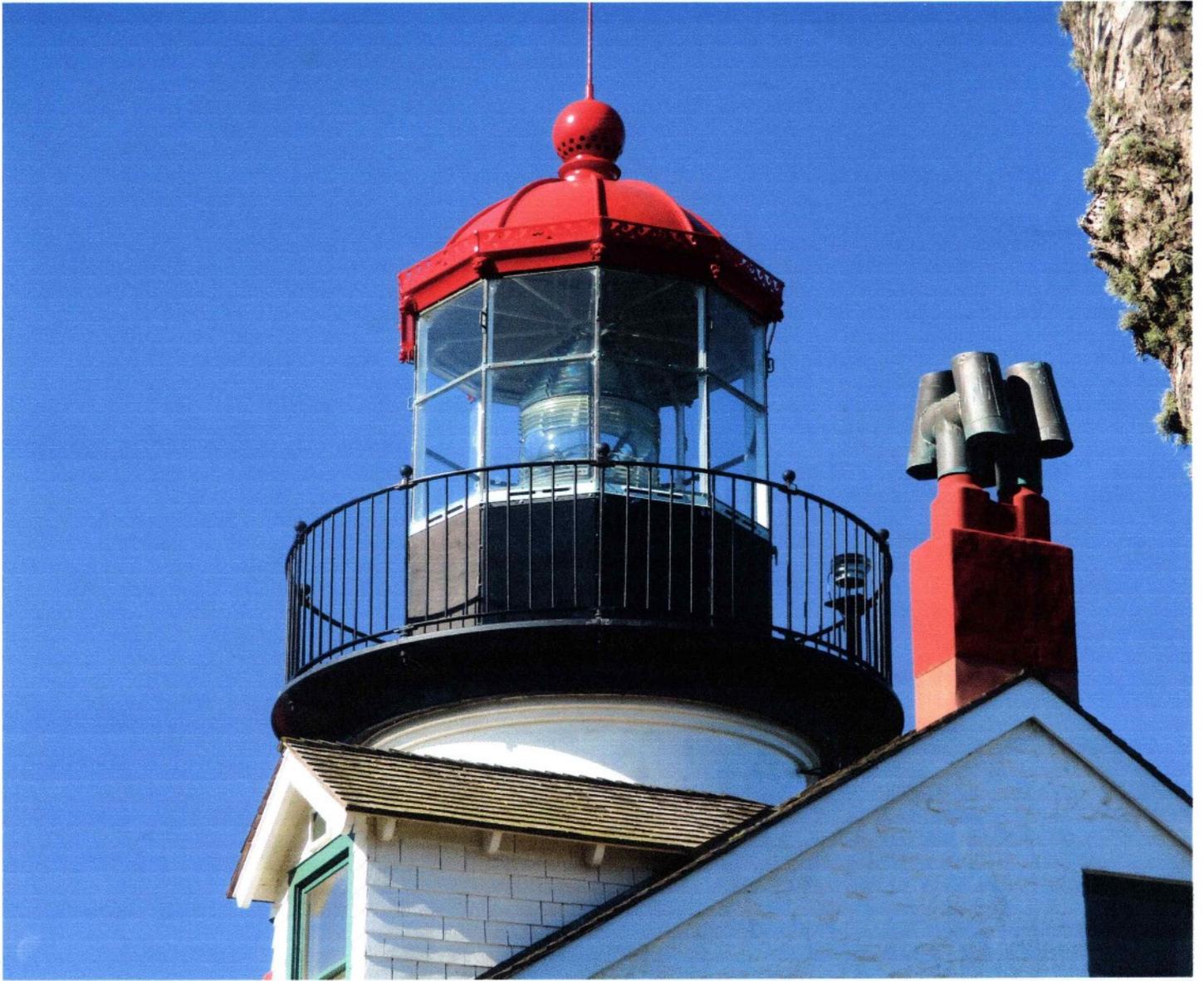
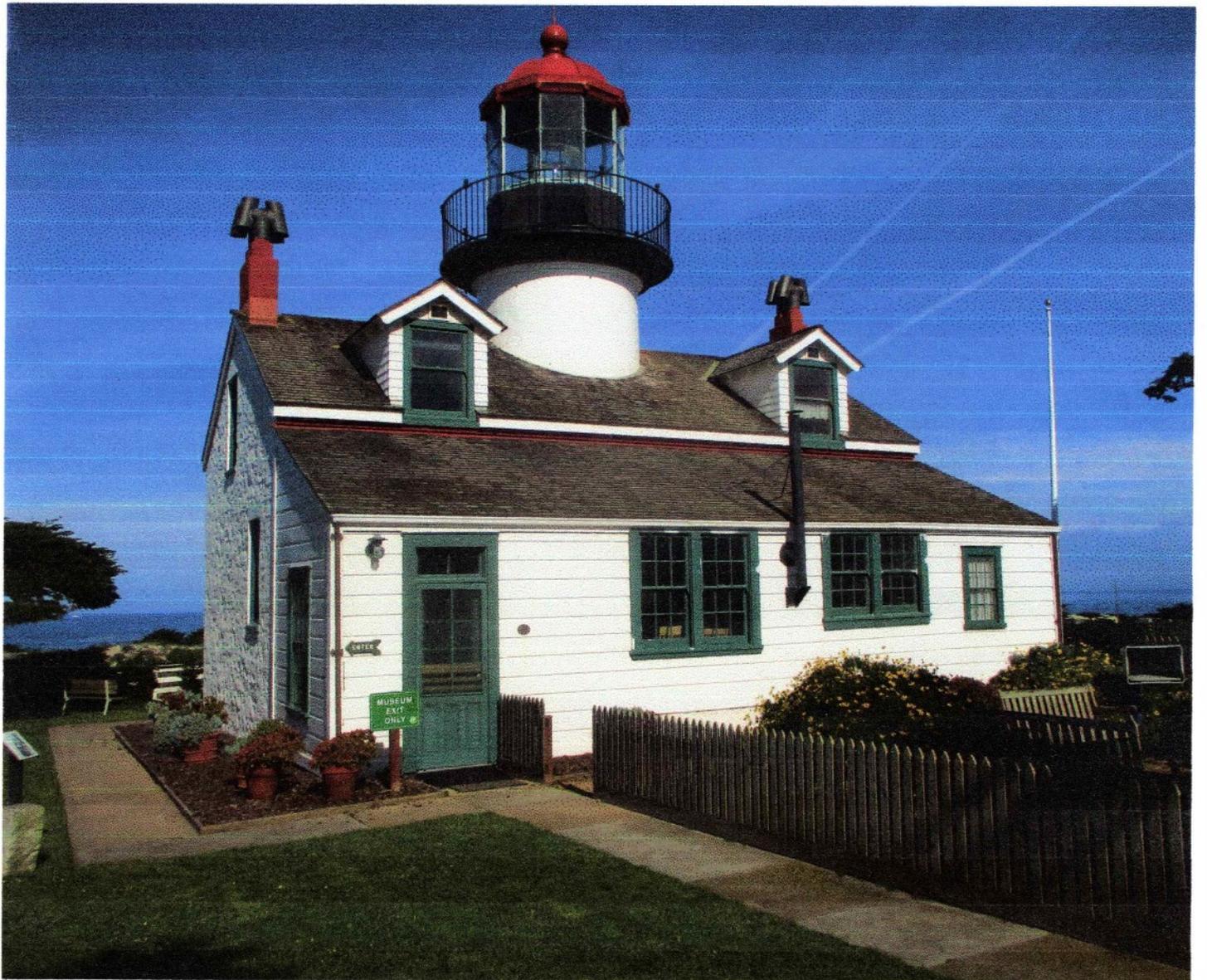


ou ever lived in a location as remote, or as difficult to get to for many years, as Point Sur,
nia? This beautiful but rugged coast has seen many shipwrecks in its day; it probably would ha
not for a successful petition in the late 1880s to have a lighthouse built. It wasn't until 1974 t
ntstation was finally automated, and the lighthouse was converted to a daymark.

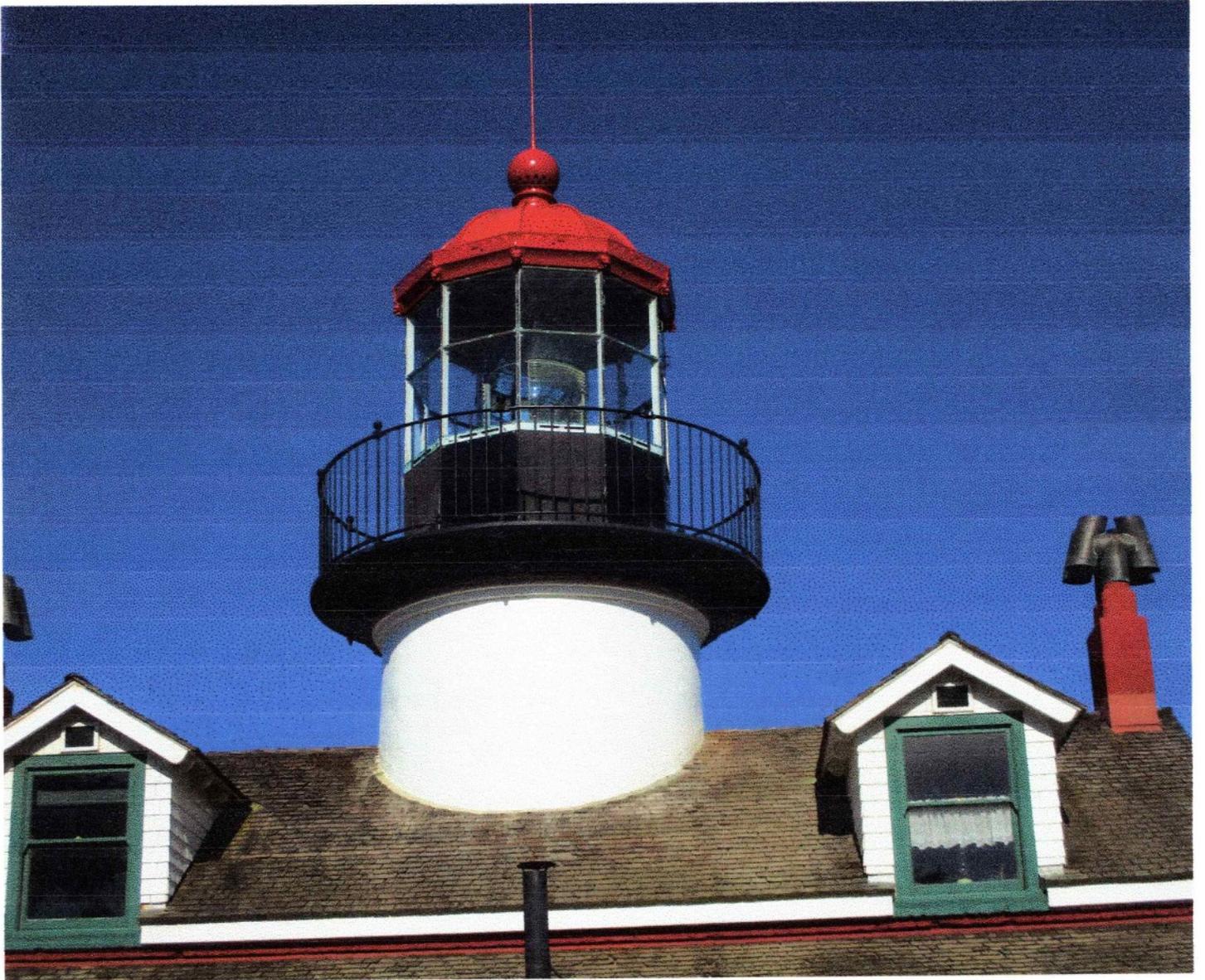


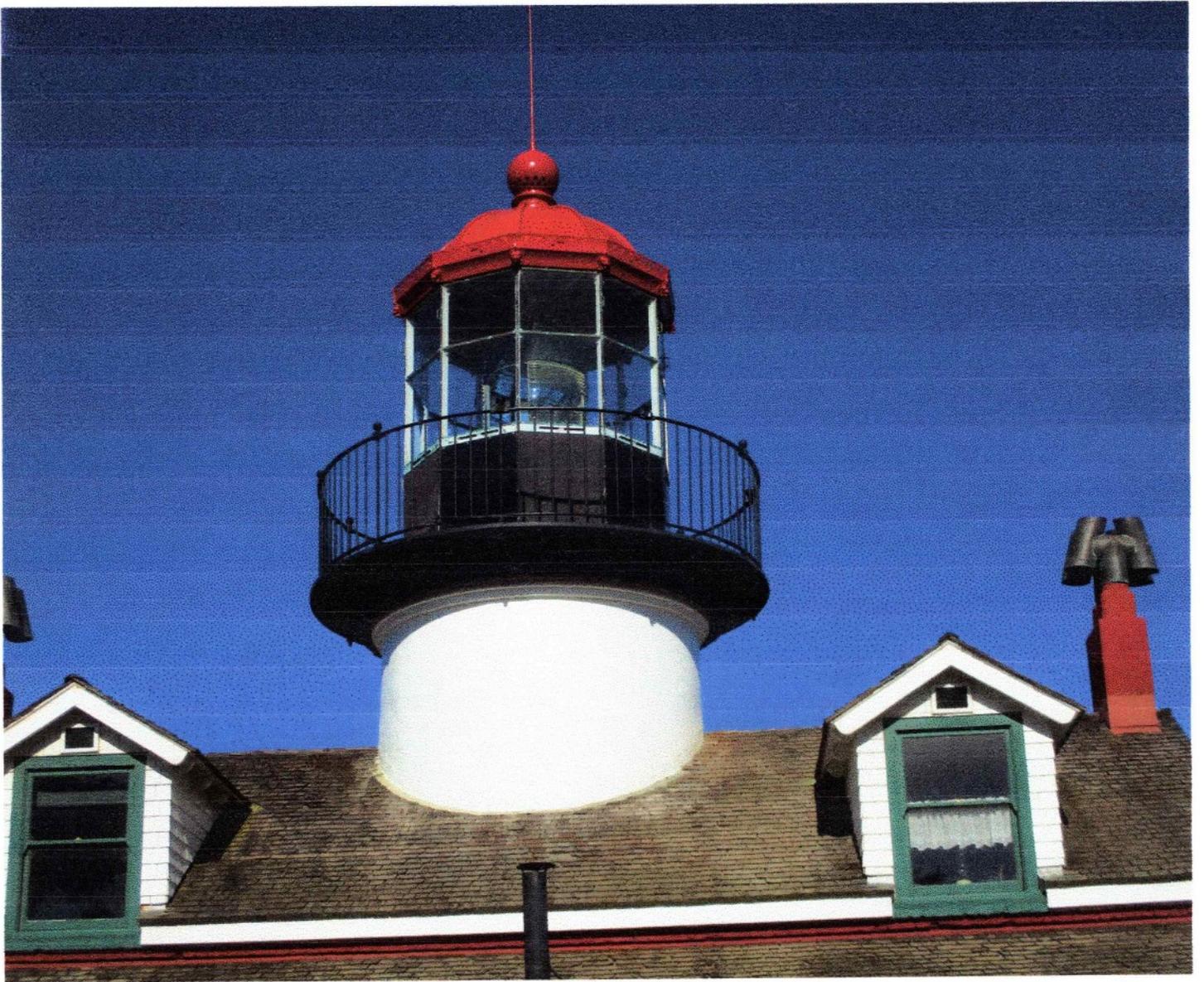
























SECTION 099646
CLEAR FIRE RETARDANT TREATMENT

1.1 SUMMARY

A. Section Includes:

1. Clear, Fire-Retardant, Penetrating Wood Preservative System to be applied as a post installation treatment on redwood shingle roofing.

1.2 RELATED SECTIONS

- A. Section 073170 Redwood Shingles.

1.3 REFERENCES

A. ASTM International (ASTM).

1. ASTM E84 / ASTM E2768 – Standard Test Method for Surface Burning Characteristics of Building Materials.
2. ASTM E108 – Fire Tests of Building Construction and Materials.

B. National Fire Protection Agency (NFPA).

1. NFPA 255, Standard Method of Test of Surface Burning Characteristics of Building Materials.

C. Underwriters Laboratory (UL).

1. UL 723, Standard Method of Test of Surface Burning Characteristics of Building Materials.

D. Building Code: Application of fire retardant treatment of wood shingles shall comply with the latest adopted edition of the California Building Code, Sections 704A, 705A and 1505.6.

1.4 SUBMITTALS

A. Section Includes:

2. Product data for Clear, Fire-Retardant, Penetrating Wood Preservative System to be applied as a post installation treatment on redwood shingle roofing.

1.5 JOB CONDITIONS

C1964009: Gate House Roof Replacement, Point Lobos State Reserve

Section 099646 – Page 2
Clear Fire Retardant Treatment

- A. Environmental Conditions:
1. Store product between 50 degrees F and 100 degrees F.
 2. Do not install product outside manufacturer's recommended limits.
 3. Review manufacturer's listed shelf life for product. Do not use product if it has expired.

1.6 WARRANTY

- A. Manufacturer's Warranty: 20-year limited product warranty

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Product shall be a clear, water-based, post-treatment fire retardant penetrating the wood material and bonding with its molecular structure, attaining a Class A fire rating for roof assembly.
- B. Products: Subject to compliance with requirements, provide one of the products listed below.
1. Flame Stop II, by Flame Stop, Inc.
 2. FX Lumber Guard XT, by Fire Retardant Coatings of Texas.
 3. Shingle Kote 200, by West Coast Fire Shield.
 4. Wood Seal A, by Flame Seal Products, Inc.
 5. Approved equal.
- C. Basis of Design: The basis of design shall be Flame Stop II, by Flame Stop, Inc., 924 Blue Mound Road, Ft. Worth, TX 76131m (817) 306-1222, info@flamestop.com.

2.2 FIRE RETARDANT PENETRATING APPLICATION

- A. Product shall be approved by Cal-Fire.
- B. Surface-Burning Characteristics of Fire-Retardant Systems: As tested according to ASTM E84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
1. Flame-Spread Index: 25 or less.
 2. Smoke-Developed Index: 100 or less.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with manufacturer's requirements for surface treatments, maximum moisture content, and other conditions affecting performance of the Work.
- B. Begin coating only when moisture content of wood substrate is 15 percent or less when measured with an electronic moisture meter.
- C. Proceed with coating application only after unsatisfactory conditions have been corrected and surfaces are dry.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions applicable to substrates and coating systems indicated.

3.3 INSTALLATION

- A. Apply clear fire retardant according to manufacturer's written instructions and to comply with requirements for listing and labeling for surface-burning characteristics specified.
 - 1. Apply product in a single coat by spraying, brushing or rolling at the rate of or per manufacturer's recommendations, or approximately 100 to 150 square feet per gallon.
 - 2. Verify all exposed surfaces of shingles receive absorbed coating.
 - 3. Reapply treatment to any material that is cut or otherwise altered after retardant treatment.

3.4 FIRE TESTING

- A. Perform fire-resistive test of fire retardant treated wood shingle after a minimum 28-hour conditioning period.
- B. Using a minimum 4-inch by 12-inch piece of treated wood shingle, hold piece vertically and apply a flame, such as butane lighter or match, for ten seconds then remove the ignition source. The flame must self-extinguish with two (2) seconds. The test is applicable to a small-scale NFPA 701 field test.
- C. Provide test result to State's Representative.

Section 099646 – Page 4
Clear Fire Retardant Treatment

END OF SECTION 099646

3/7/24, 7:56 AM

A very special Cars and Coffee event this Saturday, March 9th: Ladies First - kenlmargarets@gmail.com - Gmail

 Gmail

 Search mail



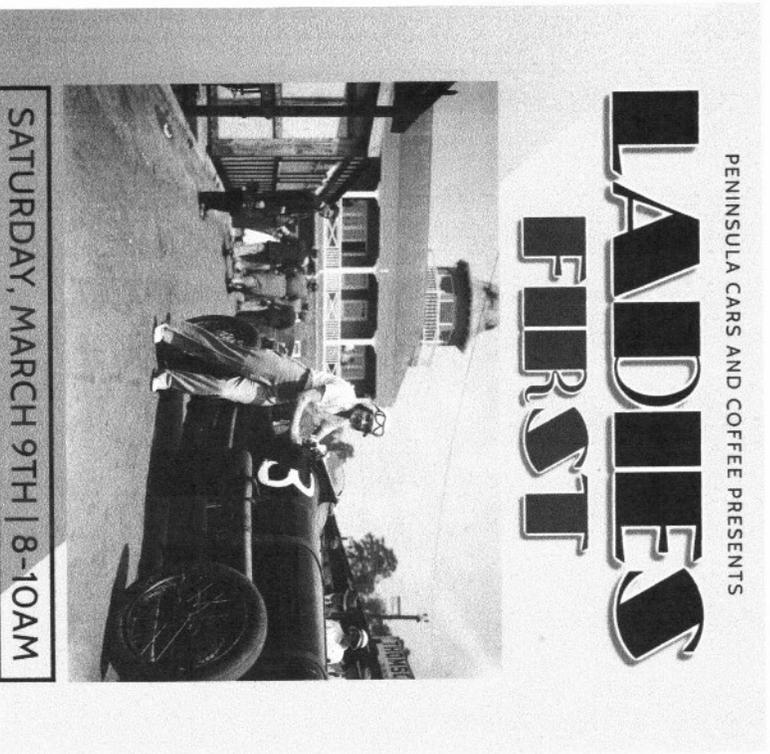
Thank you to our sponsor, Kent Weinstein, "The Hot Rod Realtor" who will be providing coffee and donuts.

Where: Chill's parking lot, 1349 Canyon Del Rey Blvd. Seaside, CA 93955

When: Saturday, March 9th from 8:00am-10:00am

See you there!

-The Peninsula Cars and Coffee crew



<https://mail.google.com/mail/u/0/#inbox/FMhgZGxRxJCHPxsIbKnPnbFKHgfrcpp>

1-21-23

LightHouse Rock

Wed Oct 22

Search internet for
~~downed~~ ^{shrapnel} ~~camp~~ or metal, or asbestos

shingles

photo in "left stop"
"downed"

note 10/1

→ Davits Roofing identifies
material as red slate

see

contacts
1) International Clim - no answer

2) US LightHouse Soc

W/ Wayne Winkler

1-31-23 meet w/ Matt Bishop

Dennis Bill, Russell

- more on phone state

Jan 3-2023

Pete Sunderland meeting

- he is interested

visit Jan - site visit

Blasding Mc Beem

Nicholas Washington

\$250,000 - for materials in

stone cotta

Early Oct 22 ARG contacted

Paul NACHTSHEIN -

Software agreement \$2900

Early Dec 22 - ARG paid \$2000 up

to this point - stop Billing

MID JAN 23 - Vermont State

we set coast (made contact with)

Red Goshawk 714 403 7722

1-20 MATT BRSC170FF

contacted - will visit B-Pines

2-1 Matt visits nests

with LKDB

2-6 request info

1) Cateletop

2) Diamond Steel roofing

request sample

2-9 Diamond Steel Roofing

405 Quidley Rd, Rd RR#4

Wingham Ontario Canada

✓ 1519-357-3760 NO52WD

1 888 810 7663

TC diamond

shen

Ally Simpson

ATAS international

(Cateletop)

rep KRISTEE DAY

480-539-7359

2-16 RJONIES@ATAS.COM

484 221 6377

Bob will send string

sample

2-21 Rebecca Franke

Diamond Steel Roofing

will send sample

3-1

received sample from
Panamaelona ATAS

3-12-23

TC Rebecca @ Diamond

roofing will send
ballpark figures for
Stainless & Copper

3-23 - Diamond's figures

and received

316 Stainless 24K

TC Pete Scudler 373-7212

TC Rebecca - Diamond

more left in color painting

+ Shipping cost

3-10-23

Sealed Feathered

engine to T4 550 Trans

by Speed. Hens

F0501 Ford 47-53 Feathered

Van Stage

14oz copper

R1

Copper 13.64

Stainless 14.12 + 16.22 3094

3-13 -

TC Olay Simpson 519 357 3760

will research the possibility

of painting the shingles

(300 shipping)



Search mail



Received 5 days ago. Reply?

Pt. Pinos painted roof Inbox x



Ken Hinshaw

Matt: Thanks for your help in the past. We are moving ahead with our roof project. Could you give us some vital information please? 1) What kind



Bischoff, Matt@Parks <Matt.Bischoff@parks.ca.gov>

to me

Hi Ken

1. We used the Andek Firegard from Crestline for fire protection
2. Yes, we have painted several of our replacement roofs on historic structures. We painted them once they were installed. I'd
3. We use redwood shingles from Pacific Redwood. But you can get cedar shingles from Jackel Enterprises in Watsonville; or

Matt C. Bischoff

Cultural Resources Manager/Historian III



Monterey District
 California State Parks
 2211 Garden Road
 Monterey, CA 93940

Table 1.2B. Copper Weight, Thickness, and Gauge

Weight per Sq. Ft.		Nearest Gauge No. (B&S)	Thickness inches (mm)	
Ounces	Pounds		Nominal	Minimum
6	.375	32	.0081 (.206)	.0071 (.180)
8	.500	29	.0108 (.274)	.0097 (.246)
10	.625	27	.0135 (.343)	.0124 (.315)
12	.750	26	.0162 (.411)	.0150 (.381)
16	1.00	23	.0216 (.549)	.0204 (.518)
20	1.25	21	.0270 (.686)	.0258 (.655)
24	1.50	20	.0323 (.820)	.0308 (.782)
32	2.00	17	.0431 (1.09)	.0411 (1.04)
48	3.00	14	.0646 (1.64)	.0621 (1.58)



Search mail



Compose

lighthouse roof

Inbox 1



Ken Hinshaw
Rod: do you have all the information that you need?

1

Snoozed

Sent



Rod Ashley
Ken, I do, at least for a ballpark budget. Just waiting for a little more info from my side. Something I can tell you at

Drafts 73

More



Rod Ashley
to Rebecca, me

Wed, Feb 1, 2:37

Labels

Mr. Hinshaw,

Today's budget for NY Red slate 20"x12" cut into the "clipped corners" shape.

\$25.70 per square foot

Starter \$14.00 per lf.

Ridge \$35.95 per lf.

Freight \$4800.00 Approx.

Lead time is approx. 4 months.

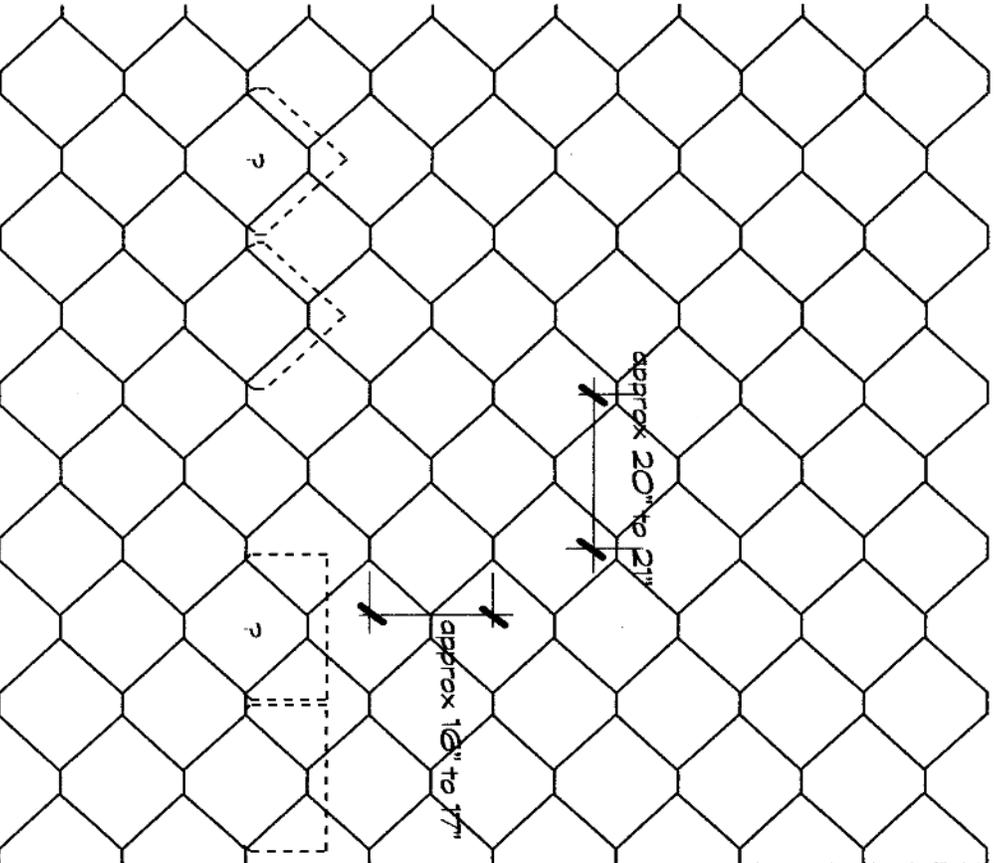
Rod Ashley

714 403 7722

[AMERICAN SLATE](#)

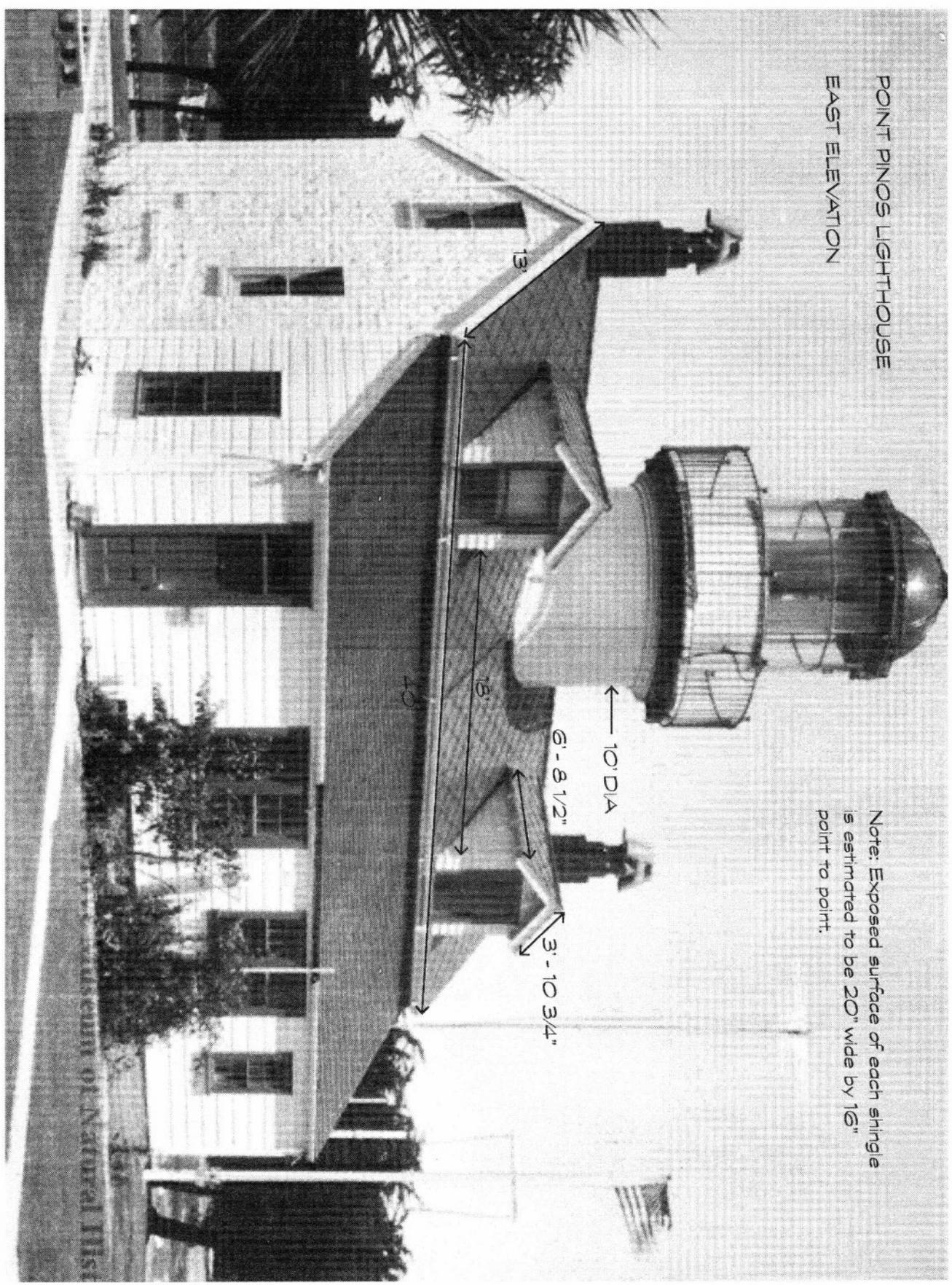
To check the status of a contractors state license

<https://www.nv.gov/OnlineServices/CheckLicense.aspx>



SIZE ESTIMATED FROM LOW RESOLUTION IMAGES. IT ONCE WAS A SLATE ROOF. STRUCTURAL WOOD IS EXCELLENT. THICKNESS UNKNOWN. ORIGINAL COLOR FROM PHOTO. ROUGH ROOF DIMENSIONS WERE SENT. WILL BE SENT TO BID. THE PITCH IS 8 IN 12. LOWER PORTION WILL NOT BE SLATE.

POINT PINOS LIGHTHOUSE
EAST ELEVATION



Note: Exposed surface of each shingle is estimated to be 20" wide by 16" point to point.

10' DIA

6' - 8 1/2"

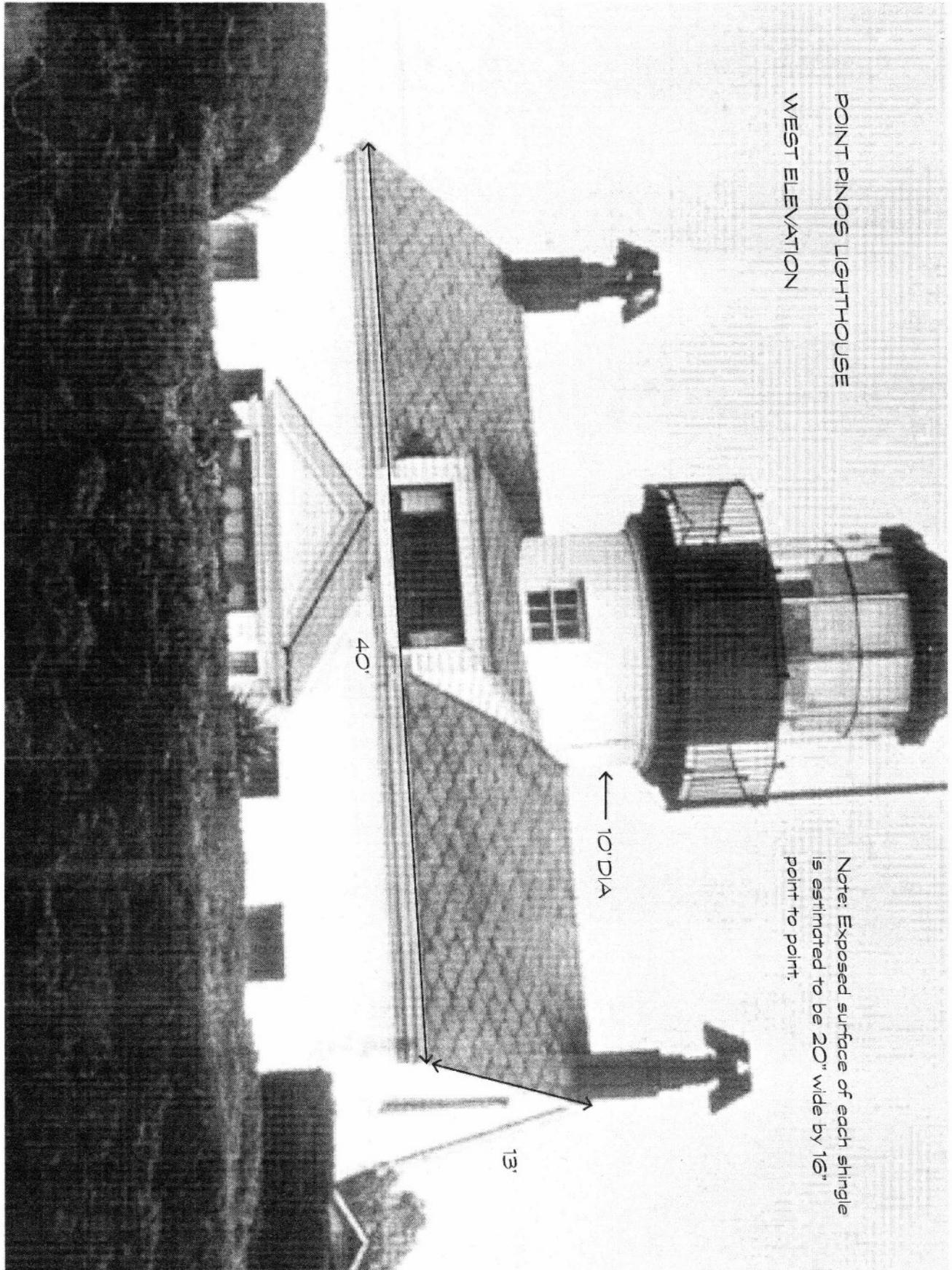
3' - 10 3/4"

13'

13'

MUSEUM OF NATURAL HIST

POINT PINOS LIGHTHOUSE
WEST ELEVATION



Note: Exposed surface of each shingle is estimated to be 20" wide by 16" point to point.



Long Island
Associates

1-13-23

Pt. Pinos Lighthouse roofing material resources

Pete: I have contacted two suppliers for the lighthouse.

Vermont Slate: Ken Rule in Savannah Georgia

866-339-2036 e-mail kenrule@vermontslate.com

co. com
krule@vermontslateco.com
all lowercase

Terracotta roofing material

Gladding McBean in Lincoln Calif.

↓ Rod Ashley NE on West Coast
714-403-7722

Nicholas.washington@gladdingmcbean.com

I measured the roof and came up with approximately 1400 sq. ft. Each of the suppliers wanted to know about what size the roof is. I will have Lowell Northrup send the image of the roof as well as a sketch with dimensions.

Perhaps you would like to take it from here and talk to them about costs and other details. I told them that you would be contacting them. Let me know what else I can do. Thank you for your help

Ken

KenLMargaretS@gmail.com

Hi Ken,

I contacted GAF. They discontinued the metal shingle "Sienna", and are planning to release a new line of metal shingle 'in about 9 months' according to the technical department.

I am contacting the Cedar Bureau about coating cedar shingles and will get back to you with their recommendations. Do you think the cedar shingles should be fire-retardant type? That may have an impact on the coating options. It would seem to be unnecessary given the location, exterior masonry walls of the lighthouse, and the fire risk at the site location seems low.

Attached are concept sketches of shingle that could be fabricated from 160 lb. roof cap sheet, with red granules. One is for the field, one is for the roof edge. The size of the diamond pattern is based on field dimensions and then using the historical photos to determine the shingle size. This would require hand-labor to produce. A warranty would need to be worked out with the selected roofing contractor. The idea is to have a built-up roof and cap sheet, covered in this added shingle. I am somewhat concerned that the 'leading edge' of the diamond shingle could be subject to lifting in windy conditions that can be expected on the site.

David Wessel and I spoke before Thanksgiving, below are some of our thoughts for you to consider:

-Is there an HSR for the Point Pinos Lighthouse available?

-We recommend that a negotiated bid would benefit this unique project. Do you have a roofing contractor(s) in mind for this work?

-I have followed up with James Hardie Company about custom field fabricated shingles from their 'Hardie Board' product, including field coating the shingles "red". I sent them a second request this morning, and will let you know.

-It is difficult to discern from historical photos if the main roof of the lighthouse is metal or composition shingle. Do you think it could be either material as long as the shape and color are accurate?

-Could a cedar shingle roof, painted/coated, be considered for all roof areas? There are of course early photos that depict this, and I understand that the period of significance (1930s?) indicate the diamond pattern on the main roof.

-A custom metal shingle could be fabricated by sheet metal shop/roofing contractor and Kynar coated, over a self-adhered sheet membrane (Grace 'Ice and Water Shield', or other).

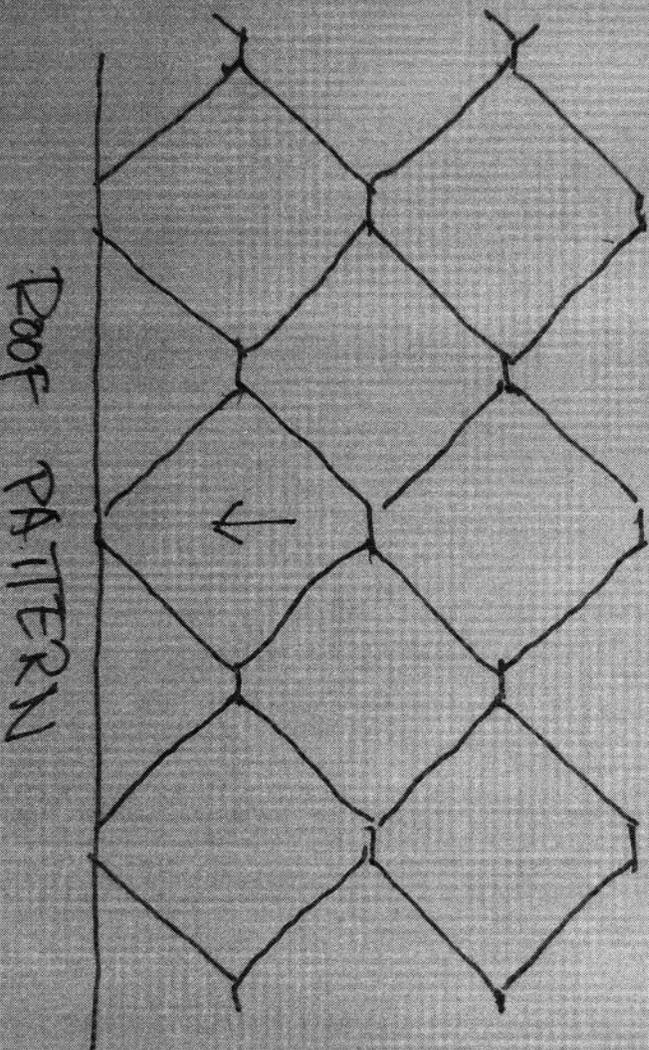
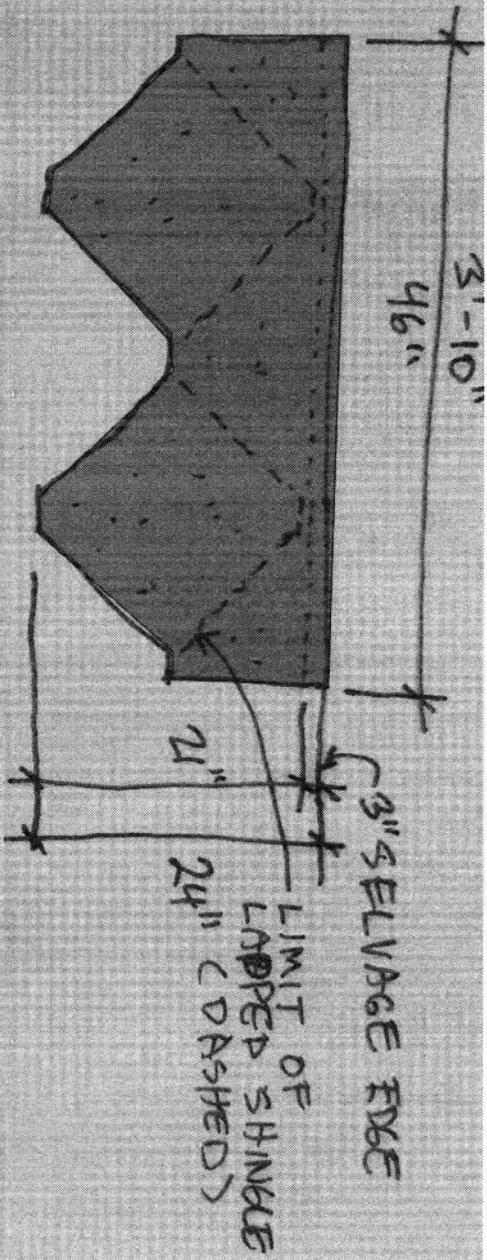
-Is there a budget for the re-roofing project?

Please let me know what you think. Thank you,

Regards,

Paul Nachtsheim, ARG
p.nachtsheim@argcreate.com
510.703.8344

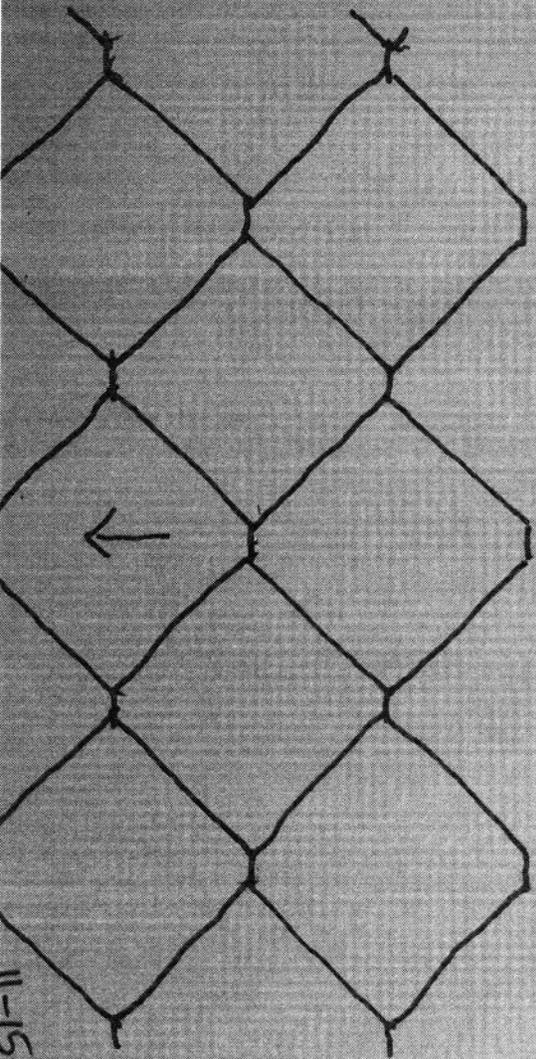
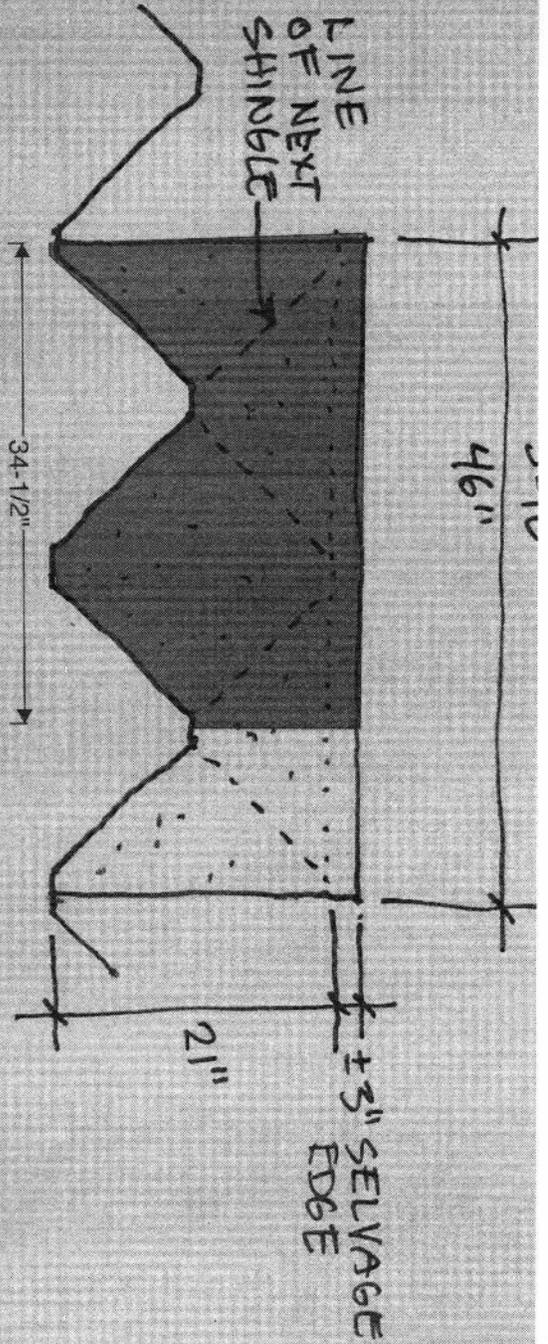
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ROOF PATTERN

POINT
PINS
LIGHTHOUSE
SHINGLE
STUDY
ARCHITECTURAL
RESOURCES
GROUP

11-28-2022

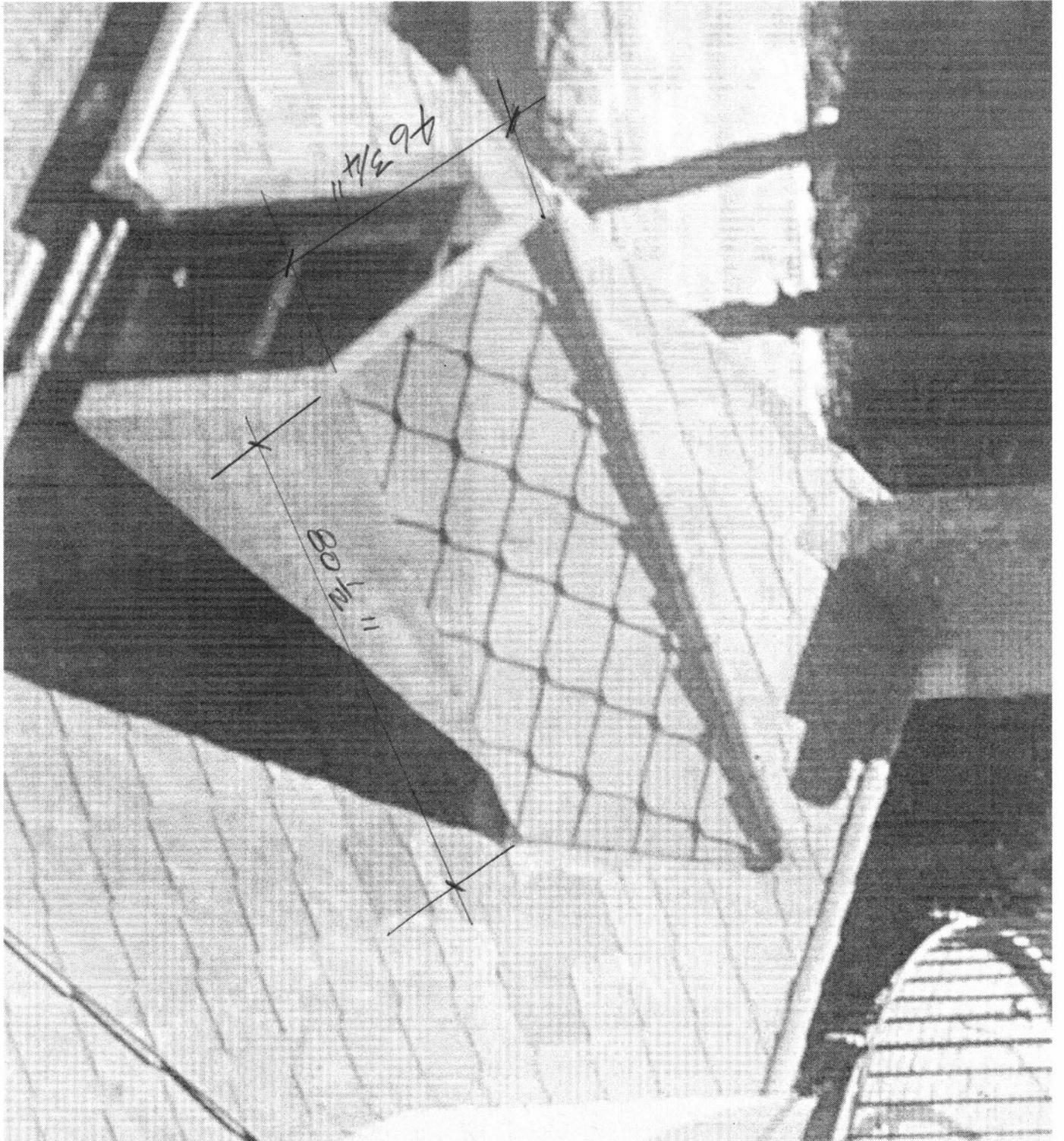


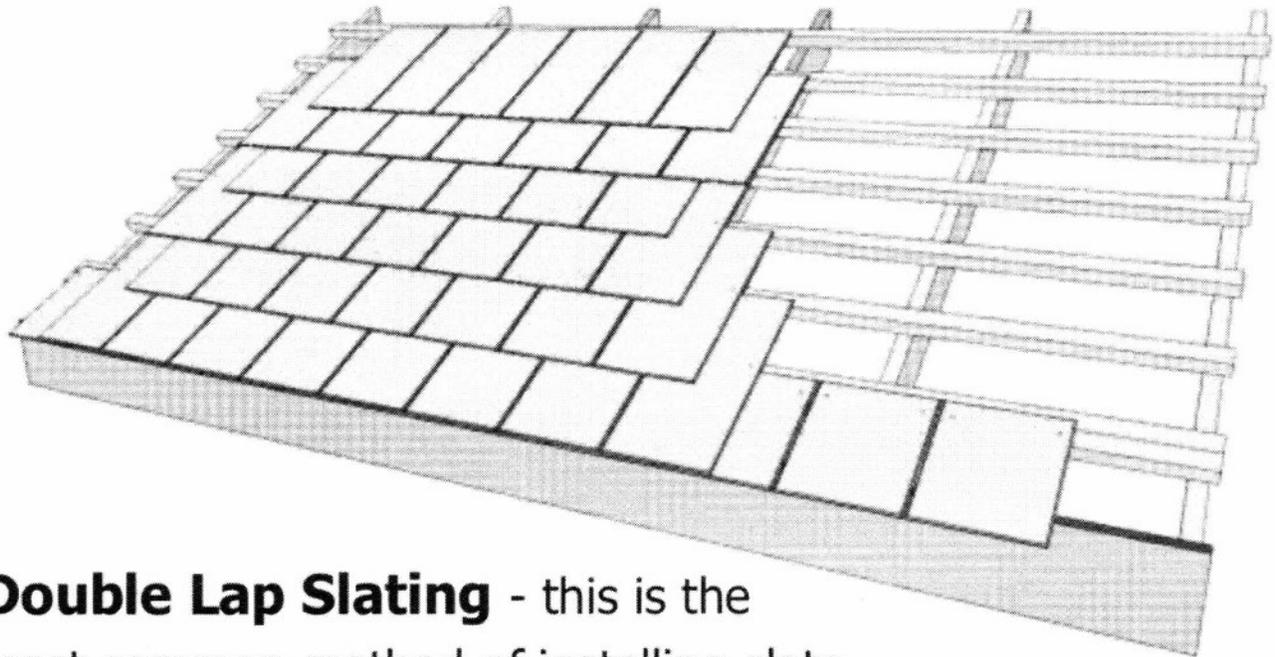
11-15-22

POINT
PINDS
LIGHTHOUSE

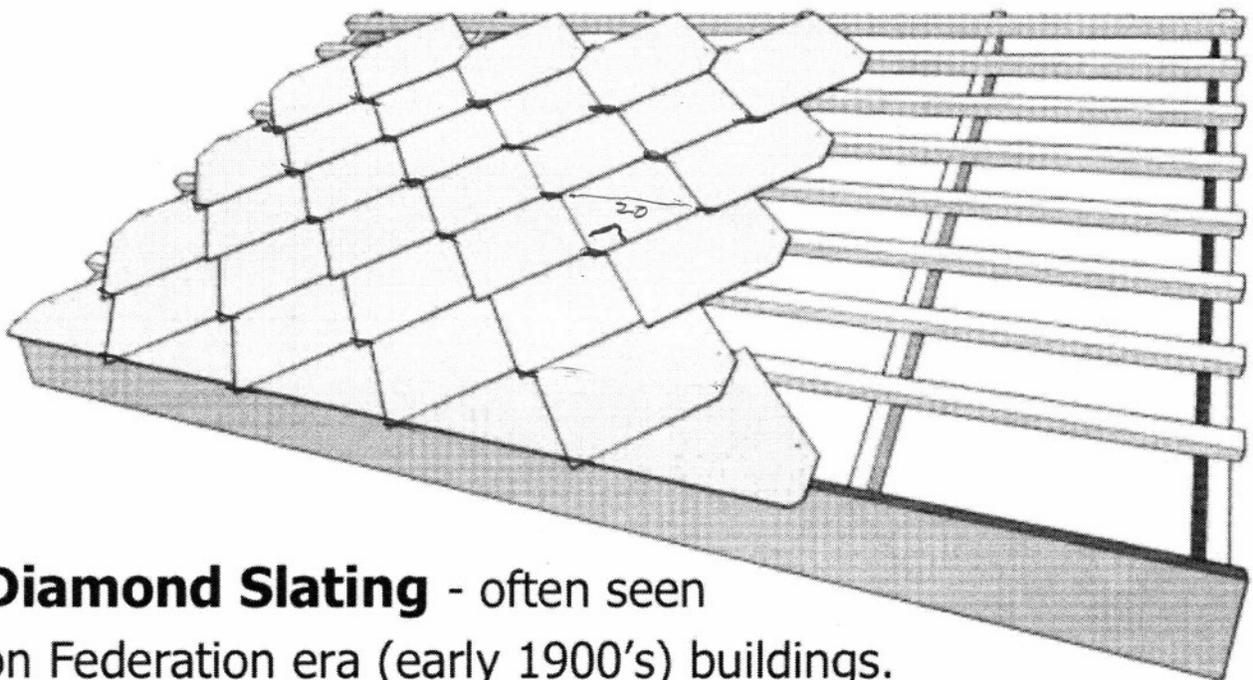
SHINGLE
STUDY

ARCHITECTURAL
RESOURCES
GROUP





Double Lap Slating - this is the most common method of installing slate. Special feature roofing can be done with this method which are not possible with single lap roofing.



Diamond Slating - often seen on Federation era (early 1900's) buildings. Installed using the single lap method. Often used with terracotta ridge / hip capping.



Kenilworth
New Jersey

Point Pinos Lighthouse (1855)

- All
- Latest
- By owner
- Street View & 360°
- Videos



 Ian AKA Yodanobbin · 3 months ago



Images may be subject to copyright



12/15/22, 9:10 AM

Gmail - Pt. Pinos Lighthouse historic roofing material



Ken Hinshaw <kenmargarets@gmail.com>

Pt. Pinos Lighthouse historic roofing material

3 messages

Ken Hinshaw <kenmargarets@gmail.com>
To: "Arlyn.S.Danielson@uscg.mil" <Arlyn.S.Danielson@uscg.mil>, Lowell Northrop <LowellNor@aol.com>, Dennis Tarrmina <dennistarrmina@gmail.com>

Wed, Nov 30, 2022 at 9:18 AM

Arlyn: I hope you are well. We appreciated your visit here in Pacific Grove California oh so many years ago. We are planning on replacing our roof, going back to 1938 the period of significance. It appears to be large diamond shaped red slate shingles (20inch at the horizontal). Are you familiar with this materials' use on lighthouses? My cohort Lowell Northrup will forward you a color picture taken in the 50's. Any information about this will be appreciated.

Ken Hinshaw
Preservation Co-ordinator
Pt. Pinos Lighthouse
Pacific Grove Ca.

Wed, Nov 30, 2022 at 1:28 PM

LOWELL NORTHROP <lowellnor@aol.com>
To: Ken Hinshaw <kenmargarets@gmail.com>
Cc: Arlyn.S.Danielson@uscg.mil, Dennis Tarrmina <dennistarrmina@gmail.com>

Sent from my iPhone

> On Nov 30, 2022, at 9:18 AM, Ken Hinshaw <kenmargarets@gmail.com> wrote:
>
> [Quoted text hidden]



IMG_7409.jpeg
2266K

12/15/22, 9:10 AM

Gmail - Pt. Pinos Lighthouse historic roofing material

Danielson, Arlyn S CIV USCG HQS (USA) <Arlyn.S.Danielson@uscg.mil>

To: Ken Hinshaw <kenhinshaw@gmail.com>, Lowell Northrop <LowellNor@aol.com>, Dennis Tarmina <dennistarmina@gmail.com>

Thu, Dec 1, 2022 at 9:29 AM

Hi Ken,

Great to hear from you! Looks like things are moving right along at Pt. Pinos. I very much enjoyed my visit back in 2016- and yes, how time flies!

Unfortunately, I don't have any information on the styles or types of roofing used on historic lighthouses. That is an area I am not terribly familiar with. I did however forward your inquiry to someone who may be of help. When I hear back I will certainly share that information with you all.

If you haven't already looked into, or maybe you are well aware of this, but I have one possible avenue of information on this subject- if a HABS/HAER/HALS report was written on Pt. Pinos in the past, it may have specific information on what was historically used for Pt. Pinos LH. These reports are initiated with the NPS and kept at the Library of Congress.

Sorry I could not be of much help, but I will be back in touch soon.

Best regards,

Arlyn Danielson

USCG Curator

301-763-4008

[Quoted text hidden]

Best Materials® 1-800-474-7570

sales@bestmaterials.com

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Log-Out

4
DIAF DIAMOND SHIMBELS
Sinner - small size.
Pencil -

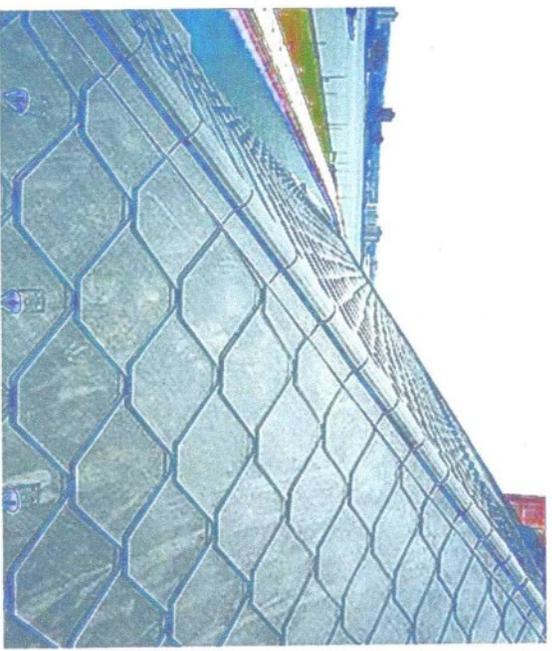
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Browse by Category



PRODUCT:

ORDERING NOTES:

COLOR

DESCRIPTION:

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2 med 11-27-12
2 AF 877-423-7663
2 med 11-27

*2) PISCO (C) CADE S16N152E
DIA Diamond (comp)
CUT*

CSG Group

Shop with
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ADD TO CART

ADD TO WISH LIST

*inspect A Pad - 14.570EY
down 2nd side roofing 11/25/10*



Ken Hinshaw <kenmargarets@gmail.com>

RE: phone message

1 message

Mon, Oct 17, 2022 at 10:31 AM

Paul Nachtstheim <paul@argcs.com>
To: Ken Hinshaw <kenmargarets@gmail.com>, David Wessel <David@argcreate.com>
Cc: Paul Nachtstheim <P.Nachtstheim@argcreate.com>

Hello Ken,

Thank you for contacting Architectural Resources Group for assistance with the Point Pinos Lighthouse roof repair/replacement project. I can meet you on Tues October 18th at approximately 8am to review the field conditions at the Point Pinos Lighthouse. I spoke with David Wessel about the scope of work for the Project:

1. Perform site observation of the roof with non-destructive methods.
2. Provide a letter report detailing site observations and recommendations.
3. Construction documents (plans and specifications) and bidding are not included (can be provided by ARG on an hourly basis).

Assumptions:

4. Roofing repairs/replacement will be performed as a Design-Build Project by a Contractor with qualifications to work on a historical property. Contractor will provide details and description as necessary of the roofing components and work for review by Pinos Point Lighthouse representative(s). ARG is available to review Contactor proposal/bid on an Time & Materials basis.

Scope of professional services:

Site observation and Travel	9 Hours @ \$175	\$1,575
Letter Report with observations and recommendations.	4 Hours @\$175	\$700
Teleconf with Point Pinos Representative(s)	1 Hour @ \$175	\$175
ARG Principal Review	1 Hour @ \$250	\$250
Reimbursable Expenses		\$225

TOTAL	\$2,925
--------------	----------------

Please feel free to contact me if you have any questions or wish to discuss in greater detail. Thank you,

Regards,

Paul Nachtshelm

Architect/Project Manager

He/His

ARCHITECTURAL RESOURCES GROUP

Pier 9, The Embarcadero, Suite 107 | San Francisco, CA 94111

510.703.8344 | 415.421.0127 fax | p.nachtshelm@argcreate.com

San Francisco | Los Angeles | Portland

www.argsf.com | [Facebook](#) | [LinkedIn](#) | [Twitter](#) | [Instagram](#)

From: Ken Hinsthaw <kenlmargarets@gmail.com>
Sent: Thursday, September 8, 2022 9:32 AM
To: Paul Nachtshelm <paul@args.com>
Subject: Re: phone message

Paul: yes, and have a good time on your vacation.

Ken



PHOTO BY ROBERT A. PARKER

9A-H1963

Historic Lighthouse Image #14

Description

This color postcard is a view of lighthouse from southeast. No shutters on 2nd floor southern window. An eagle statue is on top of flagpole. M-shaped chimney caps are visible. Roof and rear of lighthouse trim is blue. The tall vent pipe with M-shaped cap at rear of lighthouse is gone. A sundial or rain gauge and fountain are seen in the yard. A large shrub surrounds the lighthouse yard and there is a flower garden at rear.

The building and tower colors are white. The lantern and building roofs are red. The lantern wall panels and gallery railing are black. The lantern ventilation ball and storm pane muttons are yellow.

Original Image

The original postcard is held in lighthouse archives (5.5" x 3.5"). It is printed, i.e., not a photo postcard. Publisher is B. W. White, Monterey, CAL. #95 – Point Pinos Light House, Pacific Grove, California. No. 9A-H1963. Reverse: Genuine Curteich-Chicago "C.T.Art-Colortone" postcard. Postage: 1 cent stamp box. This is a linen type postcard.

Additional Image Sources

Unknown

Photographer

The photographer is Robert A. Parker

Date

Date of postcard is 1939 (reference: online Curt Teich Postcard Archives in the Lake County Discovery Museum, Illinois).

The date of the image is circa 1935 as observed by similarities in building and grounds appearance to a 1934 photograph. The image must predate 1937 due to the absence of rear dormers.

Lighthouse Archives Copy

Original postcard

Copyright Restrictions

None







1859

M = 640 - 140123
 M = 656 - 178591859
 685 - 860197
 811 -
 Have also
 included those
 in our
 archive





841

Period of Significance Pre WWII - Jerry McCaffery
1) last charges to building, handover to Coast Guard
2) compelling story involving
Threat of Japanese invasion
installation of artillery
segregated artillery company
lookout tower
shore patrol

KASEY MONIQUE
DOE: 252-0947
Beason Gail
Gardner 711c Beason Kennedy
561 Redwood -

PAUL KACHTSHEIN
ARBE
510-703-8344
JOE GALISTAR
251 7458

GLADDINE Mc BOON
Lunenburg Co.
TAXI EIGHT
NCA Clay T for day

Scudder Roofing
3142 Paul Davis Dr Winoona
3737212

SEATE Roofing materials
CUPID PIZARDI - early state

Vermont State Ct.
2600 Cornwall Rd,
Savannah Ga.
866-339-2036
KEN BALE
kenrchie@vermontstate.com

American State Co
1101 Seaside Ave
Farmingdale, Ca 92851
228 259 4 289

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