

Point Pinos Lighthouse

Bill Peake & Ken Hinshaw

Interior & Exterior Painted Surfaces

7-Nov-17

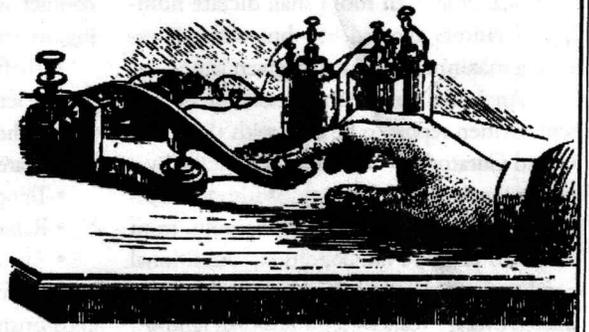
No.	Room	Surfaces	Paint Sample #	Selected Color Munsell	the color it is today	the paint type it is today
1	Reception	Floor	N/A	N/A	Clear	urethane
2	Reception	Baseboard	49, 52	2.5Y 8.5/2	Beige	satin impervo*
3	Reception	Doors, Windows, Trim	44, 45, 46, 50	N 9.5/	White	satin impervo*
4	Reception	Walls, Ceiling	47, 48	2.5Y 8/2	Light Yellow	flat latex
5	Reception Closets	Floor	51	N 3.0/	Green	unknown
6	Front Porch	Floor	N/A	N/A	Wood	urethane
7	Front Porch	Baseboard, Door, Windows, Trim, Ceiling	N/A	N/A	White	satin impervo*
8	Front Porch	Stone	N/A	N/A	White	satin impervo*
9	Front Hall	Floor	N/A	N/A	Clear	urethane
10	Front Hall	Baseboard, Door, Trim	41,43	N 9.5/	White	satin impervo*
11	Front Hall	Walls, Ceiling	42	10R 8.5/3	Pink	flat latex
12	Parlor	Floor	N/A	N/A	Clear	urethane
13	Parlor	Baseboard, Windows, Trim	56,57,60	10YR 8/2	Beige	satin impervo*
14	Parlor	Walls	59	10G 8/2	Aqua	flat latex
15	Parlor	Ceiling	55	N 9.0/	White	flat latex
16	Parlor	Fireplace Mantle	58	N/A	Black	satin impervo*
17	Parlor	Fireplace Wall	58	2.5B 2/2	Blue	satin impervo*
18	Kitchen	Floor	53,54	N 6.0/	Gray	oil base**
19	Kitchen	South Baseboard, Windows, Walls, Trim, Ceiling	27,28,29	10GY 8/1	Green	satin impervo*
20	Kitchen	North Baseboard, Windows, Walls, Trim, Ceiling	30	5Y 9/1	White	satin impervo*
21	Bath & Hallway	Floor	N/A	N 6.0/	Gray	oil base**
22	Bath & Hallway	Baseboard, Walls, Windows, Trim	31,32,33,34	5Y 9/1	White	satin impervo*
23	Bath & Hallway	Doors, Ceiling	N/A	5Y 9/1	White	satin impervo*
24	Rear Porch	Floor, Baseboard	22	5Y 5/1	Gray	enamel^
25	Rear Porch	Walls, Windows, Trim, Ceiling, Closet	21,23,24,40	5Y 9/1	White	satin impervo*
26	Cellar	Floor	N/A	N/A	Red Brick	none
27	Cellar	Walls, Ceiling	N/A	N/A	White	satin impervo*
28	Cellar	Tower Floor	N/A	N/A	Red	unknown
29	Cellar	Stairs Wall, Steps	25	N/A	Granite	none
30	1st Floor Stairs	Steps	8 (62)	5G 6/1	Gray-Green	oil base**
31	1st Floor Stairs	Walls, Weight Tube	7,9,38	N/A	White	satin impervo*
32	1st Floor Stairs	Bannister	6 (62)	5G 6/1	Gray-Green	oil base**
33	2nd Floor Stairs	Steps	37	10R 3/6	Maroon	enamel^
34	2nd Floor Stairs	Walls, Weight Tube	39	N/A	White	satin impervo*

35	2nd Floor Stairs	Bannister	N/A (62)	5G 6/1	Gray-Green	oil base**
36	2nd Floor Stairs	Wainscoting	N/A	N/A	Wood Grained	wood graining
37	2nd Floor Hallway	Floor	N/A	N/A	Wood	urethane
38	2nd Floor Hallway	Baseboard, Walls, Trim, Ceiling	35,36	N/A	White	satin impervo*
39	Bedroom	Floor	N/A	N/A	Wood	unknown
40	Bedroom	Baseboard, Walls, Trim, Windows, Ceiling	10,11,12,15	2.5Y 8.5/3	Cream	satin impervo*
41	Bedroom	Fireplace	13,14	N 1.0/	Black	satin impervo*
42	Beach Patrol Room	Floor	N/A	N/A	Linoleum	none
43	Beach Patrol Room	Baseboard, Walls, Trim, Windows, Doors, Ceiling	16,17,18,19,20,26	2.5GY 7/2	Green	satin impervo*
44	Watch Room	Floor	N/A	N/A	Wood	urethane
45	Watch Room	Baseboard, Trim	4	2.5Y 7/4	Tan	satin impervo*
46	Watch Room	Walls, Ceiling	5	7.5R 6/4	Rose	flat latex
47	Watch Room	Windows, Counter	1,2,3	N 9.5/	White	satin impervo*
48	3rd Floor Landing	Floor	N/A (37)	10R 3/6	Maroon	enamel^
49	3rd Floor Landing	Wainscoting	N/A	N/A	Wood Grained	wood graining^
50	3rd Floor Landing	Bannister	62	5G 6/1	Gray-Green	oil base**
51	3rd Floor Landing	Walls, Weight Tube, Ceiling	N/A	N/A	White	satin impervo*
52	Lantern	Steps	N/A	N/A	Gray	latex floor enamel
53	Lantern	Trap Door Opening	N/A	N/A	Black	semi gloss rust-oleum***
54	Lantern	Trap Door Opening	N/A	N/A	Yellow	rust-oleum***
55	Exterior Lighthouse	Walls, tower Windows, front steps, bannister, front & rear doors	N/A	N/A	White	Benjamin Moore Aura^
56	Exterior Lighthouse	Chimney, brick corbel	N/A	N/A	Green	Benjamin Moore Aura^
57	Exterior Lighthouse		N/A	N/A	Red	Keim Royalan^

impervo* = alkyd low lustre enamel
oil base** = sherwood williams marine coating steel spec B55 T 804 6403-34645 fast dry alkyd finish coat
rust-oleum*** = ultra cover latex
enamel^ = low sheen latex floor and patio enamel
Benjamin Moore
Aura^ = waterborne exterior paint
Keim Royalan^ = exterior silicate base façade coating

Wood Graining by Lowell Northrop
1. Sand to remove loose material.
2. fill with light-weight spackle to make surface flush with surrounding surface.
3. Using acrylic artist's colors coat to match background paint (raw umber & white).
4. To trick eye go back with small brush and continue same grain lines from above & below to blend with surrounding.

NOTICE TO KEEPERS



Coast Guard Historian's Office

Coast Guard Curatorial Services is soliciting public comments throughout the lighthouse community on the proposed guidelines below. All comments and suggestions are welcome and should be completed and submitted by Wednesday, December 15, 2010, to the Coast Guard Curator via regular mail or email:

Arlyn Danielson
Coast Guard Curator
7945 Fernham Lane
Forestville, MD 20747
301-763-4008
Arlyn.S.Danielson@uscg.mil

Guidelines on the Care and Maintenance of Historic Classical Fresnel Lenses Transferred with their associated light- houses under NHLPA

September 23, 2010

DRAFT Introduction

Classical Fresnel lenses that are slated for transfer along with their lighthouses and Classical Fresnel lenses that are still in the lantern rooms and are considered an important historic feature of their lighthouses, represent a unique aspect of both lighthouse and Coast Guard History. These unique lenses are highly sought by a variety of museums and organizations throughout the United States. Due to their historical significance, fragility, and high value, Fresnel lenses require their own set of conditions that are to be met by prospective organizations and candidates who wish to acquire a lighthouse that comes with a Classical Fresnel lens. The



The first-order lens from the Destruction Island (Washington) lighthouse on display at the Westport Maritime Museum. Photo by Marie Vincent.

United States Coast Guard and the National Park Service have developed a set of guidelines for the care, security and display of a Fresnel lens in order to preserve and protect these valuable national assets.

Facility

Due to harsh environmental conditions and temperature fluctuations inherent in coastal and Great Lakes lighthouses and their lantern rooms, and because of the difficulty of maintaining museum standard conditions in such structures, it is preferable that the Fresnel lenses not be retained or placed in lantern rooms or be relit for navigational purposes.

In the event that a Fresnel is to remain in the lantern room (lit or unlit), a plan must be implemented for the protection of the lens in the potentially harsh lantern room environment. The more time, money and effort that is initially invested in the proper housing and care of a lens, the longer one can extend and preserve the life of the lens—in addition to maintaining a visually appealing artifact for future generations.

Care for lenses kept in original lantern rooms

Minimum standards:

- To protect against harmful Ultra Violet rays of the sun, use historically correct shades, curtains or lens covers and/or where possible, UV rated film on windows of lantern room. Minimum UV protective rating required is 99%. (UV rate film must meet the Secretary of the Interior's Standards for the treatment of historic properties.)
- The lantern room to be kept clean and clear of debris and in good repair. At a minimum, there should be no roof leaks, lantern windows are kept properly glazed and caulked to protect against air and water intrusion. Floor, wall, and roof vents should be kept clean and free of accumulations of dirt, insects, birds or their nests. Cleaning tools, stools, ladders, etc. will not be stored in the lantern room.
- Access to lantern room by visitors shall be at all times supervised by authorized personnel (trained docents or staff). Visitors shall be prohibited from touching or coming into contact with any part of the lens with hands or camera equipment.

- Size of lantern room shall dictate number of visitors allowed in—but will not exceed a maximum of 6 at any given time.

- An initial condition assessment of lens with written report to be filed with the Coast Guard Curator's office will be conducted by a professional lampist (see list). Without a baseline assessment, there is no starting point from which to measure the condition. Additional condition assessments of the lens shall be conducted every 5 years by a professional lampist, as determined by a professional lampist, depending on the lens' overall condition.

- Appropriate repair and restoration work shall be completed as necessary and in a timely fashion by a professional lampist.

Optimal standards (same standards outlined above with the following additions/changes):

- Controlled temperature range: 50 to 80 degrees F. Use of heat source may be necessary to maintain this range in colder months.

- Controlled relative humidity range: 40 to 60%. Use of a dehumidifier may be necessary to maintain this humidity range in warmer months.

- Visitors shall be prohibited from accessing and touring the lantern room.

- Access to lantern room by authorized personnel only (trained staff).

- Use of low wattage light sources is acceptable.

Care for lenses displayed inside

Keepers quarters/museum

Interior environmental standards, conditions, and lighting:

- For long term care and preservation, the ideal exhibit location is an environmentally controlled setting—such as a museum or restored keeper's quarters with controlled access by staff.

- If the lens is located in a museum or restored keeper's quarters, it must be displayed within a secure enclosure such as a locked Plexiglas case, or defined exhibition area or structure that prevents unauthorized handling or touching. If not protected by a case or other structure, a barrier railing or wall will be located no closer than 5 feet from the lens. The barrier will fully encircle the lens or in the case of a corner display, the exposed faces will be protected by a barrier at a minimum of 4 feet high.

- A larger sized 1st, 2nd, and 3rd order lens should be placed for viewing in a location and with an appropriate barrier that protects it from intentional or unintentional

contact such as touching, bumping, knocking, or scraping of the lens by visitors.

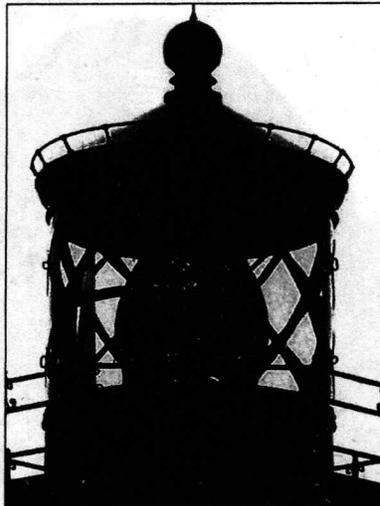
- Theft prevention and security safeguards for the lens are required.

- Whenever possible, lens exhibition and display areas should be accessible to all visitors.

- Temperature range: 60-75 degrees F.

- Relative humidity: 45-55%

- Avoid direct sunlight or intense indoor lighting for lens display. Light damage to the glass prisms is cumulative and irreversible.



Chance Brothers' third-order lens inside the lantern at Point Cabrillo Lighthouse, California. Photo by Chad Kaiser.

- Use UV filters or shades on windows if a lens is situated near a window or windows.

- Prolonged exposure to light will speed up degradation of Litharge (lead based putty used to seal the prisms within the metal framework). Once Litharge dries out and cracks, the underlying wood wedges holding the prisms in place within the frame can fall out, or will deteriorate and potentially rot causing the glass to loosen and fall out.

- Use low wattage bulbs and low heat emitting LED lights for exhibit illumination. Light source will be placed slightly above or below the focal point of the lens in order to better disperse the light for display purposes.

Daily and long term care, maintenance, and cleaning methods

- Daily or weekly checks on prism glass and metal framework. Polishing of metalwork is prohibited due to erosion of metal.

- Depending on location, glass and metal parts can be given a light dusting—if needed.

- If the lens appears to be in good condi-

tion and maintained within recommended parameters, minimal contact is considered best practice for long term preservation and damage control.

- Staff should be trained initially by a qualified individual familiar with the proper care and maintenance of Classical Fresnel lenses.

- Regular light dusting with a microfiber cloth or soft microfiber duster.

- To wet clean dirty glass: use a combination of distilled water with small amount of isopropyl alcohol. Add one drop of Woolite. To wipe: use either blue paper shop towels or a clean microfiber rag.

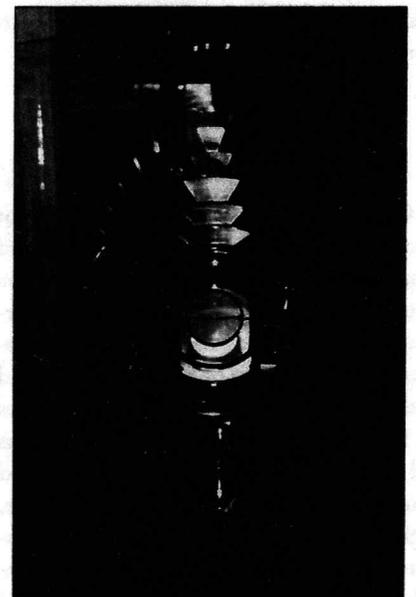
- Use of nitrile gloves recommended when cleaning the lens.

- Remove all jewelry, watches and belt buckles prior to cleaning.

- STRICTLY PROHIBITED products: sandpaper, Brillo pad, Brasso, Windex or other commercially available cleaning and polishing products.

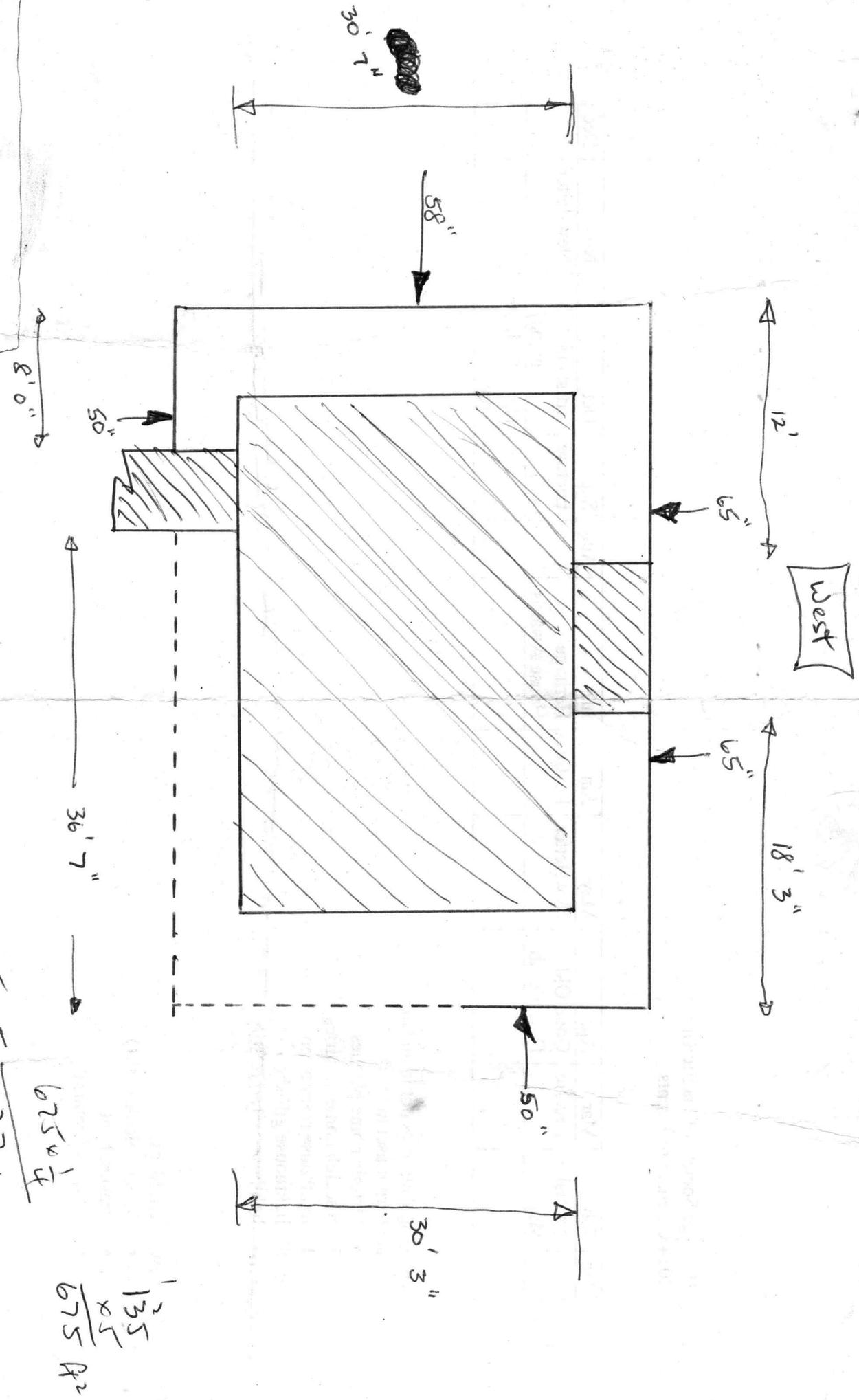
Financial Considerations

- Money should be budgeted in a dedicated account for a lens condition assessment to be accomplished once every 5 to 6 years, or on an as needed basis, depending on the lens' overall condition. Condition assessments will vary depending on location, but are estimated to cost anywhere from \$1000 to \$3000 (2010 dollars). Repair and restoration costs can vary widely (several thousand dollars to more than \$100,000) depending on size, condition and treatment needs.



Fourth-order Fresnel lens on display at Admiralty Head Lighthouse. Photo by Skip Sherwood.

- 15 2x6 x 12 PT lumber
- 200 landscape staples
- 50 1' x 1/2" rebar
- 8 angle plates
- 7 flat plates
- 5' inside wear fabric 150' length



$$6.25 = \frac{625 \times \frac{1}{4}}{27}$$

sq yds

Perimeter = 135' 8"

$$\begin{array}{r} 135 \\ \times 5 \\ \hline 675 \text{ ft}^2 \end{array}$$

Bill Drake

Heritage Society of Pacific Grove
2014 Calendar of Events

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	Annual Mfg	Lecture	Good Old Days Booth	Newsletter	Lecture	Heritage House Awards		Lecture	Artists in Chautauqua	Newsletter	
									Historic Home Tour		

Ongoing Activities not included:

1. barn museum
2. historic home plaques
3. research home inquiries
4. lighthouse restoration
5. lighthouse gift shop
6. lighthouse interpretation

New Event Ideas:

- dinner / picnic / BBQ
- treasure hunt
- antiques appraisal

Ken Hinshaw

From: <LowellNor@aol.com>
To: <KenL@redshift.com>
Sent: Monday, October 04, 2010 6:33 PM
Subject: Re: pdf of SF Conference

In a message dated 10/4/10 5:24:22 PM, KenL@redshift.com writes:

Lowell: the download PDF program works like a charm! Thanks. Also I divided the door into three sections for separate treatments. 1) the bottom to follow the belzona directions: filler over clean metal. 2) the top: 3 coats of spray permatex over clean metal. 3) latch area: liquid permatex over metal scaled surface. What would you like me to do as a next step on areas #2 and 3? The power wire brush did the best job of cleaning up the metal.

Ken

Hi, Ken,

May I suggest for #2 - Zinc paint, then the black we are using until we decide if we want white.
#3 - Several coats of the black we are using (Ace Hardware Rust Stop, gloss black)

In either case if we want to fill then the Fill it and then another couple coats of paint after doing the above.

Lowell