

ADMINISTRATIVE CONTROLS ASSESSMENT  
CONCERNING COATING CONTROLS  
AT  
NORTH ANNA AND SURRY POWER STATIONS

IMPELL   
CORPORATION

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EXHIBIT 26  
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ADMINISTRATIVE CONTROLS ASSESSMENT  
CONCERNING COATING CONTROLS  
AT  
NORTH ANNA AND SURRY POWER STATIONS

Volume I  
Report

Presented To:  
Virginia Electric and Power Company

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August, 1984

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### Appendices (Separate Volume):

- A Documentation of North Anna Ductwork Painting
- B Existing North Anna Administrative Controls
- C Revised North Anna Paint Controls
- D Surry Protective Coating Program Review
- E Corrective Measures Taken By VEPCO

1.0 INTRODUCTION

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## 1.0 INTRODUCTION

### 1.1 Background

In July 1984, Virginia Electric and Power Company was informed of a potential safety concern regarding paint that had been applied to the North Anna Unit 1 ring ventilation duct inside containment. Subsequent analysis by VEPCO in response to this concern indicated that the unqualified paint used had been applied to the galvanized ductwork in Unit 1 and that another unqualified coating had been applied improperly to the Unit 2 ductwork.

### 1.2 VEPCO Response

Once knowledgeable of the unqualified coating application at North Anna 1, a three tiered assessment was initiated to determine:

- 1) The extent of coating errors in existence at Surry and North Anna.
- 2) The immediate actions to resolve safety concerns.
- 3) The long-term actions necessary to preclude recurrence.

The assessment of issue (1) included both sites and was completed by VEPCO staffs on August 12 at Surry and shall be completed at North Anna by about August 31. To date no other definite examples of unqualified coating applications at Surry or North Anna have been identified.

Immediate action was developed to enclose the ventilation ducting at North Anna with 1/8 inch wire mesh. This activity was being pursued by E&C at North Anna and was scheduled for completion by August 25, 1984 for Unit 1, with Unit 2 completion during the present outage.

Station management, QA management, and North Anna E&C had conducted evaluations of the events which had resulted in the application of unqualified paint at North Anna. Both Surry and North Anna had identified action plans (see Appendices D and E) to address issue (3).

VEPCO management determined that an independent evaluation by an outside consultant was necessary to assure an objective assessment of the programs which may have been responsible for this occurrence. This report documents that independent evaluation.

## 2.0 EXECUTIVE SUMMARY

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## 2.0 EXECUTIVE SUMMARY

### 2.1 North Anna

The sequence of events which resulted in the application of unqualified coatings to the North Anna ventilation ductwork (see Section 3.0 and Appendix A) in 1983 indicate extensive personnel abuse of administrative controls.

The controls and procedures in existence at the time the coatings were applied appear to be adequate both technically and administratively to produce proper applications. Inadequate supervision and QC verification of what appeared to be a mundane task are the root factors in this occurrence. Corrective measures to preclude recurrence must, therefore, include a combination of increased procedural stringencies and increased personnel attention and knowledge.

Measures to enhance personnel use of procedures have been initiated since the January and June, 1983 timeframe when the North Anna 1 and 2 containment ducts were painted (respectively). However, the more complicated control systems and heavy use of contractors by E&C at North Anna dilute the onsite enhancement effort for this group.

The reliance upon QC/QA to conduct management supervision of work being performed reduces their effectiveness as an objective verification agent. It is questionable whether QC was even knowledgeable of the North Anna painting effort, when it occurred. Conversely, line-management supervision may have been lacking because of the assumption of QC coverage.

### 2.2 Surry

There is no indication that unqualified paint has been applied to any surfaces inside either Surry unit containment. Stringent controls maintained by the onsite contractor have alleviated VEPCO staff from the necessity for any station control program until recent cleanup efforts prompted Station Maintenance Services to paint portions of the Auxiliary Building.

Station Controls have been developed since June, 1984, and appropriate qualification requirements and procedures have been initiated, but are not yet complete.

## 2.0 EXECUTIVE SUMMARY

### 2.3 Overview

Although coating application<sup>?</sup> programs are different between Surry and North Anna, their respective control systems appear to be adequate on paper.

Implementation of the revised programs needs to include appropriate degrees of training to workers, supervisors, and QA/QC personnel to assure correct utilization. Based on past experience specific management attention may be necessary to assure adequate implementation.

Associated programs including Consumables Controls, Administrative Procedure Implementation, and Evaluation of Safety-Related Activities, also require further review by VEPCO to preclude similar errors in other areas of maintenance and modification work.

## ROOT CAUSES

### I. Directly Involved in North Anna Coating Application Errors: 1983

- Personnel failure to use existing procedures and painting specifications;
- Lack of an effective evaluation of safety-related activity on a non safety-related component;
- Lack of supervisory direction and control;
- Lack of Quality Control verification of control;
- Incorrect/inadequate documentation of work;
- Insufficient definition of work requested.

*← This is the  
the issue!*

### II. Program Difficulties That May Be Associated at North Anna

- Lack of controls for work conducted using a Blanket Work Order;
- Consumable qualification data difficult to find by users;
- Contractor supervision in E&C not knowledgeable of control programs at the nuclear site;
- Responsibilities in review and approval processes not clear and misinterpreted;
- Administrative burden on Shift Supervisors dilutes their technical evaluation capabilities.

FIGURE 2-1

### 3.0 ASSESSMENT TECHNIQUE

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### 3.0 ASSESSMENT TECHNIQUE

Mr. E. H. Webster of Impell Corporation conducted the assessment of the VEPCO control programs involved in coating applications at the North Anna and Surry Power Stations. The scope of the assessment is defined in Figure 3-1 and was conducted August 13-24, 1984.

During the period August 14-15, the consultant interviewed North Anna management personnel at the plant site. Copies of the documentation which describe the ductwork painting operations in 1983 were obtained (see Appendix A). From this and discussions with Station, QA, and E&C management, the scenario of events in 1983 was developed and the affected programs and procedures identified and obtained (see Appendix B).

The consultant analyzed this data to determine practical application, adequacy of controls, and, finally, root causes associated with the improper coating application. Since North Anna Station management had already drafted revised coating controls (see Appendix C), these were also obtained and assessed.

On August 16, the consultant visited Surry Power Station, where copies of their applicable control programs were obtained (see Appendix D). The in-house evaluation was reviewed and appeared to be a thorough analysis of the existing program. Differences between the North Anna and Surry control systems were discussed with both Station management organizations and determined to be minor.

During the week of August 20, the consultant completed his analysis of the programs associated with coating controls and developed the recommendations in Section 6.0 of this report. These recommendations were discussed with Station management representatives on August 22 and 23 and finalized in report form on August 24, 1984.

IN-CONTAINMENT PAINTING CONTROLS ASSESSMENT

IMPELL, INC.

- Scope:
1. Activities to be conducted in the assessment of in-containment painting administrative controls include:
    - Evaluation of station (North Anna & Surry) reviews and corrective actions taken or planned.
    - Identification of additional reviews and corrective actions that may be needed.
    - Documentation of the reviews, findings, corrective actions, and assessment in package form, ensuring both Surry & North Anna control programs are addressed.
  2. Activities to be conducted based on the result of Item 1 above include:
    - Identification of other potential problem areas within maintenance, operations, projects, etc. that should be reviewed.

APPROVED: \_\_\_\_\_

FIGURE 3-1

Page 1 of 2

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Action:

<u>Task No.</u>	<u>Item</u>	<u>Resp.</u>	<u>Date Completed</u>
1.	Collect copies of documents and instructions/controls affected	EHW	8/15
2.	Evaluate failure mechanisms which allowed incorrect paint use	EHW	8/15
3.	Document findings and portray root causes	EHW	8/16
4.	Assess root causes as to impact on other "skill of the craft" areas	EHW	8/16
5.	Develop corrective measures to be implemented to preclude recurrence	<u>MLB &amp; HLM input/</u> <u>EHW</u>	8/22
6.	Document the project work, results and actions to be taken	EHW	8/16

FIGURE 3-1

Page 2 of 2

#### 4.0 SCENARIO LEADING TO THE NORTH ANNA DIFFICULTIES

In June, 1982, Maintenance Requests (MRs) were originated to paint the ductwork in the basement of Unit 1 and, separately, Unit 2 containments, to arrest rusting and stains on the ductwork which had resulted from small boric acid leaks in the primary systems. Each of these requests were approved for conduct by Site Construction utilizing a Blanket Work Order in place between Station Maintenance and PIP-N.

##### 4.1 Unit 1

In December, 1982, the station turned over the Unit 1 painting authorization to PIP-N. On December 23, the effort was initiated and the Construction Supervisor identified the paint systems and surface preparation specifications to be utilized for this work utilizing QCI 11.1 forms. There is no evidence that QC was informed of the work nor any documentation to verify the preparation or paint system actually used. The primer selected, Mobil Chromax Red 13-R-50 was not qualified per Painting Specification NAS-1016, and purchase records for the site indicate this paint was never purchased. Further, the SP-10 surface finish called for was not physically obtainable with a grinder (as called for).

The work was documented through February 1, 1983 and closed as completed on February 14, 1983 by PIP-N.

##### 4.2 Unit 2

In March, 1983, the station turned over the Unit 2 painting authorization to PIP-N. The work was accepted by PIP-N in April, 1983 and work commenced on April 19, 1983. The paint system selected for this effort was Keeler Long 6548 white primer and white topcoat. The surface preparation was specified as SP-10 using a vacuum blast.

Although Keeler Long is qualified for containment use, the acceptability for application on a galvanized finish was based on a phone call to the vendor and was never substantiated. The surface preparation is not credible in that VEPCO does not own a vacuum blast system, would not sandblast in containment and could not attain an SP-10 finish on the thin duct sheet metal.

Documentation indicates that the job progressed through May 1, 1983 and was closed on the MR on July 21, 1983.

## 5.0 OBSERVATIONS

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## 5.0 OBSERVATIONS

The consultant's review of existing control programs at North Anna and Surry Power Stations resulted in observations which depict specific facts or errors portrayed in the documentation and from interviews.

The observations were condensed and grouped according to direct or indirect involvement in the 1983 ductwork painting errors at North Anna. A third group of observations were developed regarding Surry controls to compare and verify adequate program controls.

These findings form the basis of the Root Cause determination, the results of which are presented in Figure 2-1.

### 5.1 North Anna Ductwork

#### Painting: Direct

#### Involvement Observations 1)

The utilization of a Maintenance Request (MR) in each case for this work was an error since this work constituted a modification. As a result:

- No evaluation was performed in accordance with 10CFR50.59.
- No in-depth engineering evaluation of qualified surface preparation and coating system was conducted.

2) The MRs both denoted the work as not safety-related since the components involved (ventilation ducting) are classified as nonsafety-related. As a result:

- QC/QA was not notified of the work prior to ordering accomplishment. QC signatures for document completion were gained apparently after the work was complete.
- No documentation directing the use of QCI 11.1 nor NAS 1016 was made.

3) Paint and surface preparation specifications were not fully in accordance with NAS 1016.

## 5.0 OBSERVATIONS

- In the Unit 1 case, the Painting Specification (NAS 1016) was clearly not utilized.
  - In the Unit 2 case, it appears the Spec. was consulted, but that the application qualification was not fully substantiated.
- 4) Surface preparation specifications could not have been met based on engineering evaluation of tools available, duct wall thickness and time required.
  - 5) The paint primer specified for Unit 1 was not utilized.
    - Purchase records show that this paint (Chromax) was never purchased or batched for Unit 1 and 2.
    - Records indicate a Cheesman/Debevoise Deveka No. 505 was on hand and batched in the December, 1982 timeframe. This paint is also an alkalyd base but equivalency to Mobil Chromax 13R-50 is not established.
  - 6) The construction supervisor responsible for identifying preparation specifications and coating specifications is no longer employed by VEPCO.
  - 7) Documentation for the work does not specify that the surface was galvanized, nor does it specify the surface area intended to be covered.
  - 8) Records indicate that only 17 gallons of Deveka No. 505 were batched in the affected timeframe which is not sufficient to have primed the entire surface. 111 gallons of topcoat were batched.



## 5.0 OBSERVATIONS

### 5.2 North Anna Ductwork Painting: Indirect Involvement Observations:

- 1) The Consumables Control Program implemented in 1983 has created a data base which is difficult to access by workers.
  - An extremely large number of consumables have been qualified by EWR subsequent to the program implementation. Listings of these consumables and their appropriate qualification have never been incorporated into the program administration.
  - Consumable Controls to assure shelf life, service life, and in the case of coatings, operating (pot) life, were frequently mentioned as missing from the existing program.
- 2) Plant modifications as defined in Administrative Procedure 3.7 may be instituted by Design Change Package (DCP) of Engineering Work Request (EWR).
  - Both DCP and EWR programs appear to afford sufficient controls to assure proper reviews of the modification.
  - Maintenance Requests are not an authorized mechanism to affect modifications, but there appear to be no controls to screen out requests (MR or WO) which result in modifications.
- 3) Review signatures are required for all documentation involved in design, modification, and maintenance controls.
  - Most personnel contacted expressed the belief that a QC signature indicated in-depth technical, administrative and safety verification of the document and its associated work/operation.

## 5.0 OBSERVATIONS

- QA/QC expressed a contrasting view that many of their document signoffs only verify that the documentation has been completed properly.
  - Shift Supervisor approval is required on all documents affecting the plant. Due to the volume of documents involved, the value of this approval is anticipated to be limited to safety evaluation at best, although many personnel believed that this included technical approval also.
- 4) Programmatic controls utilizing procedures to implement each program have been instituted to meet regulatory requirements and properly operate, maintain and modify the plant and associated systems.
- Apparently because of the sequence of development of construction-related procedures, some confusion was expressed regarding which procedures Construction is required to use. (PMP, SOP, ADM)
  - Since Construction supervision below Superintendent level is primarily filled by contractors and little or no training is given these people outside of OJT, weakness in procedural compliance is to be expected unless VEPCO direct supervision is maintained.
  - Complacency and/or lack of knowledge of controls established by Administrative Procedures was expressed as a concern by several managers.
- 5) 10CFR50.50 reviews are instituted in the controls for DCPs, EWRs, and temporary changes.

## 5.0 OBSERVATIONS

- Controls in the above named programs appear to be adequate.
- Maintenance Requests, when annotated nonsafety-related, non-Tech. Spec., do not get screened for 10CFR50.59 review. Maintenance which impacts safety-related equipment could, therefore, proceed without review.

### 5.3 Surry Power Station

- 1) Painting conducted in containment at Surry prior to 1984 appears to have been conducted by the onsite contractor, Daniel, using Procedure WP 114.
- 2) The Maintenance Services Group at Surry has conducted aesthetic painting outside containment and is now controlled by Administrative Procedure ADM 102.
- 3) Station evaluation of existing controls has already identified weaknesses and enumerated corrective actions to revise ADM 102, QCI 10.10 and develop MSP procedures to increase the amount of painting Maintenance Services can perform.
- 4) A review of the sampling by Station management of previous design changes, including installation of ductwork in containment, reveals no unqualified coating utilization. This review also included a review of the paint applied by Maintenance Services on the liner basement, inside containment.
- 5) Paint is stored in two locations. The warehouse supporting Construction Stores "CAT I" paint, another station warehouse stores paint which is not vendor certified.



## 6.0 RECOMMENDATIONS

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## 6.0 RECOMMENDATIONS

Based on the observations and root causes identified by the consultant, the following general recommendations were developed to provide Virginia Electric and Power Company with the long-term corrective measures to preclude future coating application errors. Items identified by an asterisk (\*) have already been addressed by station originated corrective actions commitments.

### 6.1 Both Stations

- 1)\* Implement controls for the selection of surface preparation and coating applications which reference existing Painting Specifications. Where coating of in-containment surfaces or safety-related equipment is involved, secondary evaluation and verification controls involving Quality Control personnel should be specified and documented.
- 2)\* Conduct training for maintenance and applicable construction personnel including supervisors on the coating difficulties that occurred at North Anna, the hazards of coating misapplication, and the controls established to assure correct applications.
- 3) Establish system interaction and design basis knowledge at the E&C supervisory and SEO personnel level to develop increased engineering sensitivity.
- 4) Provide continuing training on station administrative controls with emphasis on specific review and approval responsibilities involved in existing programs.
- 5) Clarify line-management and QA/QC roles and responsibilities to assure objective verification processes exist.
- 6) The mechanisms authorized to request coating applications should be controlled as potential modifications and should specify surfaces to be coated:

## 6.0 RECOMMENDATIONS

- Area to be coated, identifying boundaries
- Existing surface material to be coated
- Reason for coating (e.g.: rust, abrasion, appearance)

### 7) Upgrade existing consumables controls:

- to provide a comprehensive listing of qualified materials and qualified applications;
- to control consumables once issued to the field to assure traceability.

- 8) Review and revise existing E&C instructions to provide a single integrated set of controls for each site-specific organization.
- 9) Review the Shift Supervisor administrative workload and adjust as necessary to assure responsibilities can be met.

### 6.2 North Anna Power Station

- 1)\* Determine and control the involvement of Station Maintenance Department in coating application.
- 2) Establish and enforce controls of the Blanket Work Order between Maintenance and Construction to assure coating controls and documentation.
- 3) Establish and maintain a minimum knowledge level by Construction Supervisors of nuclear plant control and administrative systems.

### 6.3 Surry Power Station

- 1)\* Complete the administrative controls and procedures to be used by Maintenance Services to apply coatings, and implement a qualification program for those personnel involved in surface preparation and coating applications.
- 2)\* Implement controls to specify the types of coating application for which Maintenance Services and the onsite contractor are qualified and authorized to conduct.

## 6.0 RECOMMENDATIONS

- 3)\* Verify that paint specifications which originate from the original Surry Paint Specification for in-containment applications include DBE evaluation.

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**Affiliate Company**

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10152 Torino, Italy



## MEMORANDUM

TO A. D. Fraley, Jr.

North Anna

FROM G. C. Ludden

October 15, 1984

HISTORY OF RING DUCT  
COATINGS UNIT I AND II  
NORTH ANNA POWER STATION

As requested, we have assembled documentation to support the coating sequences for the ring ducts on North Anna Units I and II. The Protective Coating Surface Preparation Records (PCSPR) for the two units are shown in Attachments 1 and 2. Although these records are complete, questions have been raised regarding the actual primer used in Unit 1 and the type of surface preparation actually performed.

SURFACE PREPARATION

Each PCSPR indicates that an SP-10 surface was to be obtained in preparation for primer coating. Unit 1 records indicate that a grinder was used; Unit 2 records indicate that the surface was vacuum blasted. Although SP-10 is a specification for sandblasting; it is common industry practice to quote an SP standard when using other types of surface preparation. The SP-10 notation would indicate preparation of the surface by the specified means to a cleanliness equivalent to that obtained by an SP-10 blast. Thus, there is no conflict on the Unit 1 PCSPR's regarding that point.

The vacuum blasting indicated on the Unit 2 records could not have been accomplished as North Anna does not have vacuum blasting equipment and does not allow blasting of any type in containment.

Discussions with Vepco construction and painting shop personnel indicate that the following surface preparation technique was used for both Units 1 and 2. Hand held grinders were used to prepare areas of boric acid corrosion and the remaining surface was hand sanded to a cleanliness equivalent to SP-10, as described above.

UNIT 1 PRIMER IDENTIFICATION

Although the Unit 1 PCSPR's indicate that Mobil Chromox Primer Red 13-R-50 was used, there is substantial evidence to show that Dereka Primer Red No. 505 was actually used. First, a review of station purchasing records indicated that Mobil Chromox Primer has not been purchased by the station (Attachment 3). Second, discussions with Vepco construction and painting shop personnel indicate that Dereka No. 505 was used. Finally, a review of painting shop batch records (Attachment 4) indicates that Dereka No. 505 was batched and used during the period the ring duct was coated.

Both the Mobil Chromox and the Dereka No. 505 coatings are alkyd based primers. Infrared spectroscopy performed on coating samples taken from the Unit 1 duct show that the primer was alkyd based, consistent with the Mobil or Dereka primer (Attachment 5).



George C. Ludden

GCL/smb

Attachments

cc: J.R. Locklar FB-6  
H.J. Fortune, Jr. EB-9  
R.B. Green EB-7  
R.M. Berryman EB-3

## MEMORANDUM

TO Mr. A. D. Fraley, Jr.

North Anna Purchasing

FROM K. V. Cummings

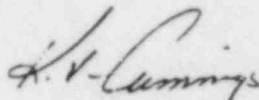
October 15, 1984

PURCHASE OF MOBIL 13-R-50

Purchasing was asked to determine if in fact we had purchased any Mobil 13-R-50 in the year 1982. We conducted a review of all orders placed with Mobil or Mobil distributors for the time frame in question. No such purchase was found on either the Construction or Operations side.

To verify our findings, Mobil Chemical Company was also contacted and asked to research their records since all purchasing at that time was not done on site. Their records did not indicate that Mobil 13-R-50 was provided to Vepco's North Anna site.

Investigations did reveal that Mobil has supplied on two occasions Mobil 13-R-53. However both shipments totaled only fifteen (15) gallons. The purchase orders involved were NA3-4667 dated September 28, 1982, for ten (10) gallons and purchase order number NA3-2516 dated February 22, 1982, for five (5) gallons.



K. V. Cummings  
Supervisor Purchasing



# DEBEVOISE

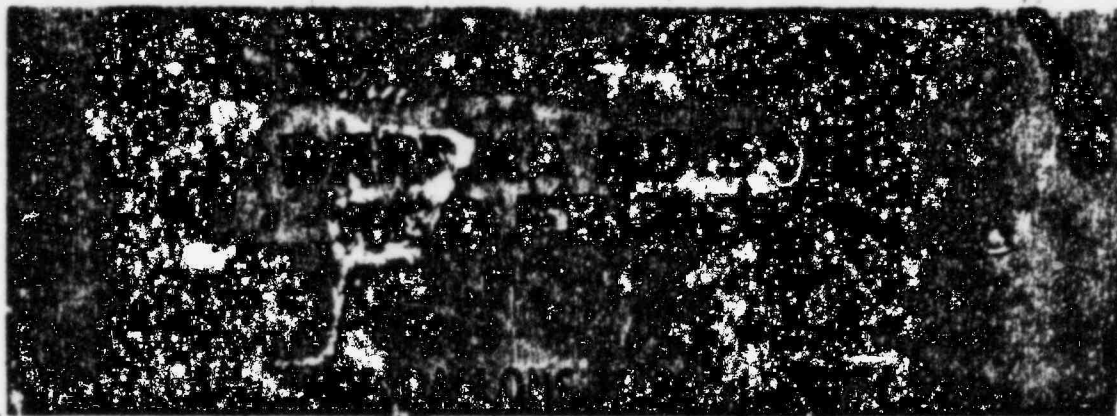
## DIRECTIONS

Stir contents thoroughly before and while using. Surface should be thoroughly dry and free from dust, dirt, loose paint, etc. Remove oil and grease with turpentine or mineral spirits. Rust or old loose, scaly paint should be removed by scraping and sanding. Knots and sapwood streaks should be sealed with a coat of shellac.

Do not paint over damp or cold surfaces, or when the temperature is below 50° F. For proper brushing, this material should be at a temperature of 70° F. before being applied.

All defects in the surface should be repaired. New or bare spots should be properly primed or spot primed before this product is applied.

New concrete, plaster, etc. — should be sealed with Latex Primer Sealer.



**CAUTION! COMBUSTIBLE!** Keep away from heat and open flame. Avoid prolonged contact with skin and breathing of vapor or spray. Do not take internally. Close container after each use. Use only with adequate ventilation. **KEEP OUT OF REACH OF CHILDREN.**

**THE DEBEVOISE COMPANY BROOKLYN, N.Y. 11232**

Division of The Seargey Corporation

New Wood — enamel underco  
New Metal — s  
rust preventive

OK this ad

EXHIBIT 29  
Page 1 of 1 Pages

Provided by:  
Floyd Ray Assew, during interview  
10-10-84

# PROTECTIVE COATING SURFACE PREPARATION RECORD

APPLICATOR'S NAME R. L. BRULE

NO. 12050

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	<input checked="" type="checkbox"/> SUBSTRATE <input checked="" type="checkbox"/> STEEL <input checked="" type="checkbox"/> MASONRY <input checked="" type="checkbox"/> CONCRETE ANCHOR PATTERN: OBTAINED: <u>1.5</u> SPECIFIED: <u>1.5-2.5</u> GROUT FINISH: <u>1.5</u> SANDPAPER TEXTURE: <u>110</u> FINAL CLEANING: <input checked="" type="checkbox"/> DUSTED <input checked="" type="checkbox"/> VACUUM
DATE: <u>12-22-82</u>							
REPORT NUMBER: <u>001</u>							
SHIFT: <u>1ST</u>							
SURFACE TO BE OBTAINED							
SURFACE PREPARATION	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	
METHOD OF SURFACE PREP: <u>SANDER</u>							
WERE WATER AND OIL FILTERS USED? YES <u>NO</u> <sup>1/2</sup>							
WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <u>NO</u> <sup>1/2</sup>							
WERE THE FOLLOWING USED? FORM RELEASE AGENTS: <u>NO</u> TYPE: <u>NO</u>							
CURING / HANDLING COMPOUNDS: <u>NO</u> TYPE: <u>NO</u>							
PAINING SUPERVISOR	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER	
DC INSPECTOR							

LOCATION AND REMARKS: RC-1 ELEV 216 PRINTING VENT  
DUCT FROM FAN IHVF-1B-130000 TO COILING COILS  
14U-E-28-DOWN VENT DUCT 30' NORTH  
CL-106-9903-RF-4189-05-9401-F.P. 9-21-89 ST-9589-T.P. 1-21-89

DATE:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
<u>12-22-82</u>						
AMBIENT TEMP. <u>81</u>						
SURFACE TEMP. <u>80</u>						
DEW POINT: <u>58</u>						
REL. HUMIDITY: <u>42%</u>						
DATE: <u>12-23-82</u>						
FILM THICKNESS READINGS:	<input checked="" type="checkbox"/> DFTs <input type="checkbox"/> WFTs	N/A	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs
OBTAINED:	<u>2MIL 8X5</u>	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED:	<u>3MIL 8X5.0</u>	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PAINT: BATCH NUMBERS ACT:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	<u>20-59732</u>					
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	<u>4-1-83</u>					
REDUCER USED	APG*	APG*	APG*	APG*	APG*	APG*
COATING APPLIED	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
COATING EQUIP.	<input type="checkbox"/> B <input checked="" type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
APPLICATORS QUALIFIED	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
PAINING CONTRACT SUPV.						
CONSTR. SUPV.						
O. C. INSP.						

EXHIBIT 30  
 Page 1 of 3 Pages



018

## PROTECTIVE COATING SURFACE PREPARATION RECORD

NARS

APPLICATOR'S SUPV. W. CHILDER

I.O. NO.

12030

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	<input checked="" type="checkbox"/> SUBSTRATE
DATE: 1-3-83							<input checked="" type="checkbox"/> STEEL
REPORT NUMBER: 004							<input checked="" type="checkbox"/> MASONRY
SHIFT: 1 <sup>st</sup>							<input checked="" type="checkbox"/> CONCRETE
SURFACE TO BE OBTAINED: R 10							ANCHOR PATTERN:
SURFACE PREPARATION	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	OBTAINED: 1.0
METHOD OF SURFACE PREP: <u>Grinding</u>							SPECIFIED: 1.0-2.5
WERE WATER AND OIL FILTERS USED? YES <u>MA</u> NO							GROUT FINISH: <u>MA</u>
WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <u>MA</u> NO							SANDPAPER TEXTURE: <u>RK 1</u>
WERE THE FOLLOWING USED? FORM RELEASE AGENTS: <u>MA</u> TYPE: _____							FINAL CLEANING:
CURING / HANDLING COMPOUNDS: <u>MA</u> TYPE: _____							<input checked="" type="checkbox"/> DUSTED <input checked="" type="checkbox"/> VACUUMED

PAINTING SUPERVISOR	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
<u>L. Bailey</u>						
QC INSPECTOR						

LOCATION AND REMARKS: PE #1 FLW. 216 PAINTING VENT DUCT  
NORTH TWIN RIVER 003 DOWN TO 1-HUE 2C  
ST-7559-EXP. 4-1-83 011-7431-EXP. 3-21-83 SLING 453-44

DATE:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
1-9-83						
AMBIENT TEMP. 76						
SURFACE TEMP. 61						
DEW POINT: 49						
REL. HUMIDITY: 39%						
DATE: 1-5-82						
FILM THICKNESS READINGS:	<input checked="" type="checkbox"/> DFTs <input type="checkbox"/> WFTs	N/A	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs
OBTAINED: 3 MIN. 80X5	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED: 3 MIN. 80X5	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PAINT: BATCH NUMBERS ACT:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	20-8977L					
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	1-1-83					
REDUCER USED	APG*	APG*	APG*	APG*	APG*	APG*
	119.0043					
COATING APPLIED	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
	<input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> R	<input type="checkbox"/> B <input type="checkbox"/> R	<input type="checkbox"/> B <input type="checkbox"/> R	<input type="checkbox"/> B <input type="checkbox"/> R	<input type="checkbox"/> B <input type="checkbox"/> R	<input type="checkbox"/> B <input type="checkbox"/> R
COATING EQUIP.	<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
APPLICATORS QUALIFIED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
PAINT CONTRACT SUPV.						
CONSTR. SUPV.						
Q. C. INSP.						

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\*AMOUNT PER GALLON B/BRUSH S/SPRAY R/ROLL

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	<input checked="" type="checkbox"/> SUBSTRATE <input checked="" type="checkbox"/> STEEL <input checked="" type="checkbox"/> MASONRY <input checked="" type="checkbox"/> CONCRETE ANCHOR PATTERN: OBTAINED: <u>1.0</u> SPECIFIED: <u>1.0-2.5</u> GROUT FINISH: <u>N/A</u> SANDPAPER TEXTURE: <u>MEL</u> FINAL CLEANING: <input checked="" type="checkbox"/> DUSTED <input checked="" type="checkbox"/> VACUUM
DATE:	<u>1-6-82</u>						
REPORT NUMBER:	<u>205</u>						
SHIFT:	<u>1st</u>						
SURFACE TO BE OBTAINED	<u>SA-10</u>						
SURFACE PREPARATION	SAT. <input checked="" type="checkbox"/> UNS. <input checked="" type="checkbox"/>	SAT. <input checked="" type="checkbox"/> UNS. <input checked="" type="checkbox"/>	SAT. <input checked="" type="checkbox"/> UNS. <input checked="" type="checkbox"/>	SAT. <input checked="" type="checkbox"/> UNS. <input checked="" type="checkbox"/>	SAT. <input checked="" type="checkbox"/> UNS. <input checked="" type="checkbox"/>	SAT. <input checked="" type="checkbox"/> UNS. <input checked="" type="checkbox"/>	
METHOD OF SURFACE PREP:	<u>BLASTING</u>						
WERE WATER AND OIL FILTERS USED? YES <u>4A</u> NO <u>4A</u> WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <u>4A</u> NO <u>4A</u> WERE THE FOLLOWING USED? FORM RELEASE AGENTS: <u>N/A</u> TYPE: _____ CURING / HANDLING COMPOUNDS: <u>4A</u> TYPE: _____							

PAINTING SUPERVISOR	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
<u>R. Bauler</u>						
QC INSPECTOR	<u>W. J. ...</u>					

LOCATION AND REMARKS: RENT ELFO. 216 PAINTING RING DUCT FROM 2200 BEAM TO EL231-6 BEAM OUTER RING, PAINTING FROM 1-HUE 2C FAN NORTH TO REPEAT 001.  
ST-7559 EXP. 4-1-83 DFT-7431-EXP 2-21-83 SLING-7503-F.P. 4-1-83

DATE:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
<u>1-6-83</u>						
AMBIENT TEMP.	<u>78°</u>					
SURFACE TEMP.	<u>62°</u>					
DEW POINT:	<u>48°</u>					
REL. HUMIDITY:	<u>41%</u>					
DATE:	<u>1-7-82</u>					
FILM THICKNESS READINGS:	<input checked="" type="checkbox"/> DFTs <input type="checkbox"/> WFTs	N/A	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs
OBTAINED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED:	<u>300N 500X</u>	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PAINT: BATCH NUMBERS ACT:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	<u>20-5973L</u>					
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	<u>4-1-83</u>					
	APG*	APG*	APG*	APG*	APG*	APG*
REDUCER USED	<u>15% 4073</u>					
COATING APPLIED	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
	<u>10-13-1-20</u>					
COATING EQUIP.	<input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
APPLICATORS QUALIFIED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
PAINT CONTRACT SUPV.	<u>R. Bauler</u>					
CONSTR. SUPV.	<u>R. Bauler</u>					
Q.C. INSP.						



12-018

## PROTECTIVE COATING SURFACE PREPARATION RECORD

NAPS

APPLICATOR'S SUPV. R. BAULER

I.D. NO.

12050

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	SUBSTRATE
DATE: 12-20-88							<input checked="" type="checkbox"/> STEEL
REPORT NUMBER: 003							<input checked="" type="checkbox"/> MASONRY
SHIFT:							<input checked="" type="checkbox"/> CONCRETE
SURFACE TO BE OBTAINED: SP-10							ANCHOR PATTERN: 1.0
SURFACE PREPARATION	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	OBTAINED: 1.0
METHOD OF SURFACE PREP: Grind							SPECIFIED: 1.0-2.5
WERE WATER AND OIL FILTERS USED? YES <u>NO</u> NO <u>NO</u>							GROUT FINISH: <u>4H</u>
WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <u>NO</u> NO <u>NO</u>							SANDPAPER TEXTURE: <u>4H</u>
WERE THE FOLLOWING USED? FORM RELEASE AGENTS: <u>NO</u> TYPE: <u>NO</u>							FINAL CLEANING: <input checked="" type="checkbox"/> DUSTED <input checked="" type="checkbox"/> VACUUM
CURING / HANDLING COMPOUNDS: <u>NO</u> TYPE: <u>NO</u>							

PAINTING SUPERVISOR	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
QC INSPECTOR	R. Baule					

LOCATION AND REMARKS: RC #1 ELEV. 216' PAINTING VENT DUCT  
NORTH FROM PERMIT 002 DOWN TO FIN 1-HU-F-1A-1303

DATE:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
12-20-88						
AMBIENT TEMP. 77°						
SURFACE TEMP. 62°						
DEW POINT: 48°						
REL. HUMIDITY: 39%						
DATE: 1-3-89						
FILM THICKNESS READINGS:	DFTs WFTs	N/A	DFTs WFTs	DFTs WFTs	DFTs WFTs	DFTs WFTs
OBTAINED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PAINT: 21526H	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
BATCH NUMBERS: 20-5979L	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
ACT: 4-1-83	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
REDUCER USED: 117 4093	APG*	APG*	APG*	APG*	APG*	APG*
COATING APPLIED: COLOR CODE 10-10-80	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
COATING EQUIP.	<input checked="" type="checkbox"/> B <input checked="" type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
APPLICATORS QUALIFIED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
PAINT CONTRACT SUPV. 1. Baule						
CONSTR. SUPV. 1. Baule						
Q.C. INSP.						

EXHIBIT \*20

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19018

## PROTECTIVE COATING SURFACE PREPARATION RECORD

APPLICATOR'S NAME R. BAULERI.D. NO. 12060

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	<input checked="" type="checkbox"/> SUBSTRATE <input type="checkbox"/> STEEL <input type="checkbox"/> MASONRY <input checked="" type="checkbox"/> CONCRETE ANCHOR PATTERN: OBTAINED: <u>NO</u> SPECIFIED: <u>1.0-2.5</u>
DATE: <u>12-28-82</u>							
REPORT NUMBER: <u>002</u>							
SHIFT: <u>1st</u>							
SURFACE TO BE OBTAINED	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	
SURFACE PREPARATION	<input checked="" type="checkbox"/>						
METHOD OF SURFACE PREP: <u>BRUSH</u>							

WERE WATER AND OIL FILTERS USED? YES NO NA  
 WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES NO NA  
 WERE THE FOLLOWING USED? FORM RELEASE AGENTS: NA TYPE: NA  
 CURING / HANDLING COMPOUNDS: NA TYPE: NA ☒ DUSTED ☒ VACUUM

	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
PAINTING SUPERVISOR: <u>R. Bauler</u>						
QC INSPECTOR: <u>W. P. ...</u>						

LOCATION AND REMARKS: PC#1 ELEV. 216' PRINTING VENT DUCT  
NORTH FROM REPORT 001 DOWN TO 110-E-211

ST-1359-EV, 4-1-83 DFT-7431-3-21-83 SLING-7503-F.P. 2-1-83

	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
DATE: <u>12-28-82</u>						
AMBIENT TEMP. <u>77°</u>						
SURFACE TEMP. <u>75°</u>						
DEW POINT: <u>50°</u>						
REL. HUMIDITY: <u>41%</u>						
DATE: <u>12-27-82</u>						
FILM THICKNESS READINGS:	<input checked="" type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<u>N/A</u>	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs
OBTAINED:	<u>300N 315</u>	<u>N/A</u>	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED:	<u>300N 315</u>	<u>N/A</u>	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PAINT: <u>20-57732</u>	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
BATCH NUMBERS ACT: <u>4-1-83</u>	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	APG*	APG*	APG*	APG*	APG*	APG*
REDUCER USED: <u>10% LK 73</u>						
COATING APPLIED: <u>McB. ...</u>	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
COATING EQUIP.	<input checked="" type="checkbox"/> B <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
APPLICATORS QUALIFIED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
PAINT CONTRACT SUPV. <u>R. Bauler</u>						
CONSTR. SUPV. <u>...</u>						



# PROTECTIVE COATING SURFACE PREPARATION RECORD

APPLICATOR'S SUPV. W. J. [illegible] JOB NO. 1205

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	SUBSTRATE
DATE: <u>4-27-83</u>							<input checked="" type="checkbox"/> STEEL
REPORT NUMBER: <u>510</u>							<input type="checkbox"/> MASONRY
SHIFT: <u>1st</u>							<input type="checkbox"/> CONCRETE
SURFACE TO BE OBTAINED							ANCHOR PATTERN: <u>1.0</u>
SURFACE PREPARATION	SAT. UNSAT.	SAT. UNSAT.	SAT. UNSAT.	SAT. UNSAT.	SAT. UNSAT.	SAT. UNSAT.	OBTAINED: <u>1.0</u>
METHOD OF SURFACE PREP				<u>BLAST</u>			SPECIFIED: <u>1.0, 2.5</u>

WERE WATER AND OIL FILTERS USED? YES N/A NO   

WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES N/A NO   

WERE THE FOLLOWING USED? FORM RELEASE AGENTS N/A TYPE:   

CURING / HANDLING COMPOUNDS N/A TYPE:   

GROUT FINISH: N/A

SANDPAPER TEXTURE: N/A

FINAL CLEANING: ☒ DUSTED ☐ VACUUMED

	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
PAINTING SUPERVISOR				<u>W. J. [illegible]</u>		
QC INSPECTOR				<u>W. J. [illegible]</u>		

LOCATION AND REMARKS: RC#1 ELV. 2.14. PAINTING VENT DUCT

Work from Report 003 Down to 1-HV E.C.

ST-7559 Exp-4-1-83 DFT-74 11 Exp-3-21-83 Sling 7559-4-1-83

	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
DATE:				<u>4-27-83</u>		
AMBIENT TEMP.				<u>79°</u>		
SURFACE TEMP.				<u>10°</u>		
DEW POINT:				<u>55°</u>		
REL. HUMIDITY:				<u>48%</u>		
DATE:				<u>4-27-83</u>		
FILM THICKNESS READINGS:	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<u>N/A</u>	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input checked="" type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs
OBTAINED:	MIN. MAX.	<u>N/A</u>	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED:	MIN. MAX.	<u>N/A</u>	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PAINT: BATCH NUMBERS ACT:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	APG*	APG*	APG*	APG*	APG*	APG*
REDUCER USED						
COATING APPLIED	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
COATING EQUIP.	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input checked="" type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
APPLICATORS QUALIFIED	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
PAINT CONTRACT SUPV.						
CONSTR. SUPV.						
O. C. INSP.						

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	<input checked="" type="checkbox"/> SUBSTRATE <input type="checkbox"/> STEEL <input type="checkbox"/> MASONRY <input type="checkbox"/> CONCRETE <input type="checkbox"/> ANCHOR PATTERN					
DATE:												
REPORT NUMBER:												
SHIFT:												
SURFACE TO BE OBTAINED							OBTAINED: <u>1.5</u>					
SURFACE PREPARATION	SAT	UNS	SAT	UNS	SAT	UNS	SAT	UNS	SAT	UNS	SAT	UNS
METHOD OF SURFACE PREP:												
WERE WATER AND OIL FILTERS USED? YES <u>NO</u> <u>N/A</u>												GROUT FINISH: <u>N/A</u>
WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <u>NO</u> <u>N/A</u>												SANDPAPER TEXTURE: <u>N/A</u>
WERE THE FOLLOWING USED? FORM RELEASE AGENTS: <u>N/A</u> TYPE: <u>N/A</u>												FINAL CLEANING: <u>N/A</u>
CURING / HANDLING COMPOUNDS: <u>N/A</u> TYPE: <u>N/A</u>												<input type="checkbox"/> DUSTED <input type="checkbox"/> VACUUM

PAINTING SUPERVISOR	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
QC INSPECTOR						

LOCATION AND REMARKS:  
RC 1 ELEV 216' Painting Vent-Duct  
From Fan 1 HVE-10-130000 To Ceiling coils  
IND-E-2B-Down Vent Duct 30' North  
Slings 7803-EXP-4-1-83 Ref 7431-EXP 3-21-83 ST 1539 Exp 4-1-83

DATE:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
AMBIENT TEMP.						
SURFACE TEMP.						
DEW POINT:						
REL. HUMIDITY:						
DATE:						
FILM THICKNESS READINGS:	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	N/A	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input checked="" type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs
OBTAINED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PAINT: BATCH NUMBERS ACT:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
REDUCER USED	APG*	APG*	APG*	APG*	APG*	APG*
COATING APPLIED	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
COATING EQUIP.	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input checked="" type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
APPLICATORS QUALIFIED	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
PAINT CONTRACT SUPV						
CONSTR SUPV						
Q.C. INSP						



REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	SUBSTRATE <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> MASONRY <input type="checkbox"/> CONCRETE ANCHOR PATTERN:
DATE:				1-17-83			
REPORT NUMBER:				808			
SHIFT:				11:00am			
SURFACE TO BE OBTAINED							OBTAINED: 1.2
SURFACE PREPARATION	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SPECIFIED: 1.0-2.5
METHOD OF SURFACE PREP:				1.0-2.5			GROUT FINISH: N/A
WERE WATER AND OIL FILTERS USED? YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> N/A							SANDPAPER TEXTURE: 40
WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/> N/A							FINAL CLEANING:
WERE THE FOLLOWING USED? FORM RELEASE AGENTS: TYPE: CURING / HANDLING COMPOUNDS: TYPE:							<input checked="" type="checkbox"/> DUSTED <input checked="" type="checkbox"/> VACUUM

PAINTING SUPERVISOR	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
QC INSPECTOR				R. Bunker		

LOCATION AND REMARKS: RC#1 ELEV. 216 Painting Ring Duct From 2200 Beam To ELEV 231-6 Beam Duct Ring. Painting From 1- HURRIC Fan North To REAR PT 001.  
 ST 7551 Exp 4-1-83 DFT 7431 Exp 3-21-83 Sling 7503 Exp 4-1-83

DATE:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
AMBIENT TEMP.				1-10-83		
SURFACE TEMP.				80°		
DEW POINT:				80°		
REL. HUMIDITY:				55%		
DATE:				1-20-83		
FILM THICKNESS READINGS:	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	N/A	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input checked="" type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs
OBTAINED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PAINT: BATCH NUMBERS ACT:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
REDUCER USED	APG*	APG*	APG*	APG*	APG*	APG*
COATING APPLIED	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
COATING EQUIP.	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input checked="" type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
APPLICATORS QUALIFIED	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
PAINT CONTRACT SUPV.						
CONSTR. SUPV.						
Q. C. INSP.						

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	SUBSTRATE <input checked="" type="checkbox"/> STEEL <input type="checkbox"/> MASONRY <input type="checkbox"/> CONCRETE ANCHOR PATTERN:
DATE:				1-14-83			
REPORT NUMBER:				009			
SHIFT:				1st			
SURFACE TO BE OBTAINED				Lean			OBTAINED: 1.5
SURFACE PREPARATION	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	SAT. UNS.	
METHOD OF SURFACE PREP:				Shot			SPECIFIED: 1.5

WERE WATER AND OIL FILTERS USED? YES ☐ NO ☒ N/A

WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES ☐ NO ☒ N/A

WERE THE FOLLOWING USED? FORM RELEASE AGENTS: TYPE: N/A

CURING / HANDLING COMPOUNDS: TYPE: N/A ☒ DUSTED ☐ VACUUM

GROUT FINISH: N/A

SANDPAPER TEXTURE: 60

FINAL CLEANING: ☐ DUSTED ☐ VACUUM

	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
PAINTING SUPERVISOR				R. Bunker		
QC INSPECTOR				W. Bunker		

LOCATION AND REMARKS: RC #1 ELEV 216 Painting DENT OUT

North from Report 001 Down To 1 HV-K-2A

ST-7507 EXP 4-1-83 PFT-7431-3-31-83 Sling 7503 EXP 4-1-83

DATE:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
AMBIENT TEMP.				79		
SURFACE TEMP.				80		
DEW POINT:				57		
REL. HUMIDITY:				45%		
DATE:				1-17-83		
FILM THICKNESS READINGS:	DFTs WFTs	N/A	DFTs WFTs	DFTs WFTs	DFTs WFTs	DFTs WFTs
OBTAINED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PAINT: BATCH NUMBERS ACT:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
REDUCER USED	APG*	APG*	APG*	APG*	APG*	APG*
COATING APPLIED	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
COATING EQUIP.	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
APPLICATORS QUALIFIED	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
PAINT CONTRACT SUPV.				R. Bunker		
CONSTR. SUPV.				R. Bunker		
Q. C. INSP.						



# SURFACE PREPARATION RECORD

REASON FOR PREPARATION	GENERAL PRIMING		SEAL COAT		1ST FINISH		FINISH COAT		TOUCH UP BUILD UP		OTHER		SUBSTRATE
DATE: 1-21-83													<input checked="" type="checkbox"/> STEEL
REPORT NUMBER: N09													<input type="checkbox"/> MASONRY
SHIFT: 1st													<input type="checkbox"/> CONCRETE
SURFACE TO BE OBTAINED													ANCHOR PATTERN:
SURFACE PREPARATION	SAT	UNS	SAT	UNS	SAT	UNS	SAT	UNS	SAT	UNS	SAT	UNS	OBTAINED: 1.0
METHOD OF SURFACE PREP: Blast													SPECIFIED: 1.0.25
WERE WATER AND OIL FILTERS USED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>													GROUT FINISH: N/A
WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>													SANDPAPER TEXTURE: 60
WERE THE FOLLOWING USED? FORM RELEASE AGENTS: N/A TYPE: _____													FINAL CLEANING: <input checked="" type="checkbox"/> DUSTED <input checked="" type="checkbox"/> VACUUM
CURING / HANDLING COMPOUNDS: N/A TYPE: _____													

PAINTING SUPERVISOR	GEN. PRIMING		SEAL COAT		1ST FINISH		FINISH COAT		TOUCH UP		OTHER	
QC INSPECTOR												
LOCATION AND REMARKS: RC#1 ELEV. 216' Painting Duct												
North From Report 002 Down To Fan (H.V.F. 1A 130300)												
ST 7559 Exp 4-1-83 DFT 7431 Exp 3-21-83 Sing 7302 Exp 4-1-83												

DATE:	GEN. PRIMING		SEAL COAT		1ST FINISH		FINISH COAT		TOUCH UP		OTHER	
1-21-83												
AMBIENT TEMP.												
SURFACE TEMP.												
DEW POINT:												
REL. HUMIDITY: 45%												
DATE:												
FILM THICKNESS READINGS:	<input type="checkbox"/> DFTs	<input type="checkbox"/> WFTs	N/A		<input type="checkbox"/> DFTs	<input type="checkbox"/> WFTs	<input checked="" type="checkbox"/> DFTs	<input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs	<input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs	<input type="checkbox"/> WFTs
OBTAINED:	MIN.	MAX.	N/A		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
SPECIFIED:	MIN.	MAX.	N/A		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
PAINT: BATCH NUMBERS ACT:	GEN. PRIMING		SEAL COAT		1ST FINISH		FINISH COAT		TOUCH UP		OTHER	
	EXP. DATE		EXP. DATE		EXP. DATE		EXP. DATE		EXP. DATE		EXP. DATE	
	EXP. DATE		EXP. DATE		EXP. DATE		EXP. DATE		EXP. DATE		EXP. DATE	
REDUCER USED	APG*		APG*		APG*		APG*		APG*		APG*	
COATING APPLIED	COLOR CODE		COLOR CODE		COLOR CODE		COLOR CODE		COLOR CODE		COLOR CODE	
COATING EQUIP.	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S	<input type="checkbox"/> B <input type="checkbox"/> R <input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
APPLICATORS QUALIFIED	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO
PAINT CONTRACT SUPV.												
CONSTR. SUPV.												
Q. C. INSP.												

79.018

## PROTECTIVE COATINGS SURFACE PREPARATION RECORD

PROJECT: NAPSAPPLICATOR'S SUPV. R. BaileyJ.O. NO. 1266

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	SUBSTRATE
DATE:	4-22-83		5-2-83				STEEL
REPORT NUMBER:	011		014				MASONRY
SHIFT:	1st		1st				CONCRETE
SURFACE TO BE OBTAINED	SP10		SP1				ANCHOR PATTERN
SURFACE PREPARATION	SAT. LINE	SAT. LINE	SAT. LINE	SAT. LINE	SAT. LINE	SAT. LINE	OBTAINED:
METHOD OF SURFACE PREP:	W. Blt		BLT				SPECIFIED
WERE WATER AND OIL FILTERS USED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>							GROUT FINISH: <u>46</u>
WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>							SANDPAPER TEXTURE: <u>60</u>
WERE THE FOLLOWING USED? FORM RELEASE AGENTS <u>46</u> TYPE: <u>46</u>							FINAL CLEANING:
CURING / HANDLING COMPOUNDS: <u>46</u> TYPE: <u>46</u>							<input checked="" type="checkbox"/> DUSTED <input checked="" type="checkbox"/> VACUUMED

COPY

PAINTING SUPERVISOR	GEN. PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP	OTHER
INSPECTOR	R. Bailey		R. Bailey			
	W. Blt		W. Blt			

LOCATION AND REMARKS:

RC#2 VENT DUCT W0290  
FROM COOLING COILS "C" TO COOLING COIL "R"

W.O 240

DATE:	GEN. PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP	OTHER	
4-22-83			5-2-83				
AMBIENT TEMP:	76'		78'				
SURFACE TEMP:	72'		74'				
DEW POINT:	54'		50'				
REL. HUMIDITY:	48%		46%				
DATE:	4-22-83		5-2-83				
FILM THICKNESS READINGS:	DFT, WFT	N/A	DFT, WFT	DFT, WFT	DFT, WFT	DFT, WFT	
OBTAINED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.	
SPECIFIED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.	
PART: <u>10-23-536</u>	GEN. PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP	OTHER	
BATCH NUMBERS	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	
ACT: <u>10-23-536</u>	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	
<u>10-23-536</u>	APG	APG	APG	APG	APG	APG	
REDUCER USED	40% 10%		10% 40%				
COATING APPLIED <u>W. Primer</u>	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	
COATING EQUIP	<input type="checkbox"/> S <input type="checkbox"/> R	<input type="checkbox"/> S <input type="checkbox"/> R	<input type="checkbox"/> S <input type="checkbox"/> R	<input type="checkbox"/> S <input type="checkbox"/> R	<input type="checkbox"/> S <input type="checkbox"/> R	<input type="checkbox"/> S <input type="checkbox"/> R	
TRIAL MIST DEMONSTRATION	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
APPLICATORS QUALIFIED	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
PAINT CONTRACT SUPV.	<u>R. Bailey</u>		<u>R. Bailey</u>				
CONSTR SUPV.	<u>R. Bailey</u>		<u>R. Bailey</u>				
O.C. INSP.	<u>W. Blt</u>		<u>W. Blt</u>				
*AMOUNT PER GALLON		*AMOUNT PER GALLON		*AMOUNT PER GALLON		*AMOUNT PER GALLON	
32		32		32		32	
4		4		4		4	



7R.01B

## PROTECTIVE COATING SURFACE PREPARATION REPORT

A.B. NO.

11554

PROJECT:

NPPS

APPLICATOR'S SUPV

A. BAKER

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER
DATE:			5-1-89			
REPORT NUMBER:			758			
SHIFT:			8:35			
SURFACE TO BE OBTAINED	SAT. LINE	SAT. LINE	SAT. LINE	SAT. LINE	SAT. LINE	SAT. LINE
SURFACE PREPARATION			✓			
METHOD OF SURFACE PREP:			BLASTED			
WERE WATER AND OIL FILTERS USED? YES <u>46</u> NO <u>46</u>						
WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <u>46</u> NO <u>46</u>						
WERE THE FOLLOWING USED?	FORM RELEASE AGENTS: <u>46</u> TYPE: _____					
	CURING / HANDLING COMPOUNDS: <u>46</u> TYPE: _____					

 DUSTRATE  
 STEEL  
 MASONRY  
 CONCRETE

ANCHOR PATTERN:

OBTAINED: 46SPECIFIED: 46GROUT FINISH: 46SANDPAPER TEXTURE: 46

FINAL CLEANING:

☒ DUSTED ☒ VACUUMED

	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
PAINTING SUPERVISOR			<u>A. Baker</u>			
INSPECTOR			<u>A. Baker</u>			

LOCATION AND REMARKS:

RE#2 VENT DUOT ELV. 216 W.O. 240

COOLING CONS "B" TO COOLING CAN "C"

W.O. 240

	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
DATE:			5-1-89			
AMBIENT TEMP.			76°			
SURFACE TEMP.			73°			
DW POINT:			21°			
REL. HUMIDITY:			46%			
DATE:			5-3-89			
FILM THICKNESS READINGS:	DFT, DFT, DFT, DFT, DFT, DFT	N/A	DFT, DFT, DFT, DFT, DFT, DFT	DFT, DFT, DFT, DFT, DFT, DFT	DFT, DFT, DFT, DFT, DFT, DFT	DFT, DFT, DFT, DFT, DFT, DFT
OBTAINED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED:	MIN. MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PART:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
BATCH NUMBERS	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
ACT:	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	APG*	APG*	APG*	APG*	APG*	APG*
REDUCER USED			10% 40%			
COATING APPLIED	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
COATING EQUIP.	<input type="checkbox"/> B <input type="checkbox"/> R	<input type="checkbox"/> B <input type="checkbox"/> R	<input type="checkbox"/> B <input type="checkbox"/> R	<input type="checkbox"/> B <input type="checkbox"/> R	<input type="checkbox"/> B <input type="checkbox"/> R	<input type="checkbox"/> B <input type="checkbox"/> R
TRIAL MIST DEMONSTRATION	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO
APPLICATORS QUALIFIED	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO
PAINT CONTRACT SUPV			<u>A. Baker</u>			
CONSTR. SUPV			<u>A. Baker</u>			
G.C. INSP			<u>A. Baker</u>			

\*AMOUNT PER GALLON

DISPENSE

DISPRAY

DISROLL

 EXHIBIT 32  
 Page 2 of 4

7R.01B

## PROTECTIVE COATED SURFACE PREPARATION RECORD

PROJECT **NAPS**APPLICATOR'S SUPV **R. AGUIER**J. & M. **13486**

COPY

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	FIRST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	SUBSTRATE STEEL MASONRY CONCRETE ANCHOR PATTERN	
DATE	4-18-83							OBTAINED: <b>4/a</b>
REPORT NUMBER	010							
SHIFT	1st							
SURFACE TO BE OBTAINED	S#10						SPECIFIED <b>4/a</b>	
SURFACE PREPARATION	SAT. LINE	SAT. LINE	SAT. LINE	SAT. LINE	SAT. LINE	SAT. LINE	GROUT FINISH: <b>4/a</b> SANDPAPER TEXTURE: <b>32</b> FINAL CLEANING <input checked="" type="checkbox"/> DUSTED <input checked="" type="checkbox"/> VACUUMED	
METHOD OF SURFACE PREP	1/2" Blt							
WERE WATER AND OIL FILTERS USED? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>								
WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>								
WERE THE FOLLOWING USED? FORM RELEASE AGENTS _____ TYPE _____								
CURING / HANDLING COMPOUNDS _____ TYPE _____								

COATING SUPERVISOR	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
INSPECTOR	R. Aguiar					

LOCATION AND REMARKS: **RC#2 VENT DUCT W.O. 240**  
**COOLING COILS "B" TO COOLING COIL "C"**

DATE:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
4-18-83						
AMBIENT TEMP.	74°					
SURFACE TEMP.	72°					
DEW POINT:	54°					
REL. HUMIDITY:	50%					
DATE:	4-19-83					
FILM THICKNESS READINGS	DFT, WFT	N/A	DFT, WFT	DFT, WFT	DFT, WFT	DFT, WFT
OBTAINED:	3MIN. 5MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
SPECIFIED:	3MIN. 5MAX.	N/A	MIN. MAX.	MIN. MAX.	MIN. MAX.	MIN. MAX.
PAINT: BATCH NUMBERS ACT.	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
	4-5-83 0123	4-5-83 0123	4-5-83 0123	4-5-83 0123	4-5-83 0123	4-5-83 0123
	4-5-83 0123	4-5-83 0123	4-5-83 0123	4-5-83 0123	4-5-83 0123	4-5-83 0123
REDUCER USED	APG	APG	APG	APG	APG	APG
COATING APPLIED <b>M.L. 655</b>	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
COATING EQUIP	<input checked="" type="checkbox"/> S <input type="checkbox"/> R	<input checked="" type="checkbox"/> S <input type="checkbox"/> R	<input checked="" type="checkbox"/> S <input type="checkbox"/> R	<input checked="" type="checkbox"/> S <input type="checkbox"/> R	<input checked="" type="checkbox"/> S <input type="checkbox"/> R	<input checked="" type="checkbox"/> S <input type="checkbox"/> R
TRIAL MIST DEMONSTRATION	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
APPLICATORS QUALIFIED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
PAINT CONTRACT SUPV	<b>R. Aguiar</b>					
CONSTR. SUPV	<b>R. Aguiar</b>					
O.C. INSP	<b>R. Aguiar</b>					

\*AMOUNT PER GALLON BRUSH SPRAY ROLL

EXHIBIT 32  
Page 3 of 4



78.018

## PROTECTIVE COATINGS SURFACE PREPARATION RECORD

PROJECT: A/APSAPPLICATOR'S SUPV: R. BAKERI.O. NO. 10060

REASON FOR PREPARATION	GENERAL PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP BUILD UP	OTHER	SUBSTRATE
DATE:	<u>11-22-83</u>		<u>6-2-83</u>				STEEL
REPORT NUMBER:	<u>012</u>		<u>015</u>				MASONRY
SHIFT:	<u>1st</u>		<u>1st</u>				CONCRETE
SURFACE TO BE OBTAINED	<u>23P</u>		<u>23P</u>				ANCHOR PATTERN:
SURFACE PREPARATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OBTAINED: <u>46</u>
METHOD OF SURFACE PREP:	<u>W/shot</u>						SPECIFIED: <u>46</u>
WERE WATER AND OIL FILTERS USED? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>							GROUT FINISH: <u>46</u>
WERE THEY CHECKED REGULARLY FOR CLEANLINESS? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>							SANDPAPER TEXTURE: <u>46</u>
WERE THE FOLLOWING USED? FORM RELEASE AGENTS <u>46</u> TYPE: <u>46</u>							FINAL CLEANING: <input checked="" type="checkbox"/> DUSTED <input checked="" type="checkbox"/> VACUUMED
CURING / HANDLING COMPOUNDS <u>46</u> TYPE: <u>46</u>							

PAINTING SUPERVISOR	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
<u>R. Baker</u>			<u>R. Baker</u>			
INSPECTOR	<u>W. Baker</u>		<u>W. Baker</u>			

LOCATION AND REMARKS: ROD 2 VENT DUCT ELU. 216 W.O. 240  
From COOLING Coil 'A' TO COIL NO 31 'B'

W.O. 240

DATE:	GEN. PRIMING	SEAL COAT	1ST FINISH	FINISH COAT	TOUCH UP	OTHER
<u>4-28-83</u>			<u>4-9-83</u>			
AMBIENT TEMP.	<u>77</u>		<u>76</u>			
SURFACE TEMP.	<u>74</u>		<u>72</u>			
DEW POINT:	<u>56</u>		<u>54</u>			
REL. HUMIDITY:	<u>47%</u>		<u>48%</u>			
DATE:	<u>4-10-83</u>					
FILM THICKNESS READINGS:	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	N/A	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs	<input type="checkbox"/> DFTs <input type="checkbox"/> WFTs
OBTAINED:	<u>MIN. MAX.</u>	N/A	<u>MIN. MAX.</u>	<u>MIN. MAX.</u>	<u>MIN. MAX.</u>	<u>MIN. MAX.</u>
SPECIFIED:	<u>MIN. MAX.</u>	N/A	<u>MIN. MAX.</u>	<u>MIN. MAX.</u>	<u>MIN. MAX.</u>	<u>MIN. MAX.</u>
PAINT: <u>ACT: 43-83-477</u>	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE	EXP. DATE
<u>3-8-84</u>	<u>3-8-84</u>	<u>3-8-84</u>	<u>3-8-84</u>	<u>3-8-84</u>	<u>3-8-84</u>	<u>3-8-84</u>
<u>3-1-84</u>	<u>3-1-84</u>	<u>3-1-84</u>	<u>3-1-84</u>	<u>3-1-84</u>	<u>3-1-84</u>	<u>3-1-84</u>
REDUCER USED	APG	APG	APG	APG	APG	APG
<u>10% 4095</u>	<u>10% 4095</u>	<u>10% 4095</u>	<u>10% 4095</u>	<u>10% 4095</u>	<u>10% 4095</u>	<u>10% 4095</u>
COATING APPLIED: <u>W/brush</u>	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE	COLOR CODE
<u>W/brush</u>	<u>W/brush</u>	<u>W/brush</u>	<u>W/brush</u>	<u>W/brush</u>	<u>W/brush</u>	<u>W/brush</u>
COATING EQUIP	<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/> S	<input type="checkbox"/> S
TRIAL MIST DEMONSTRATION	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
APPLICATORS QUALIFIED	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
PAINT CONTRACT SUPV.	<u>R. Baker</u>		<u>R. Baker</u>			
CONSTR SUPV.	<u>R. Baker</u>		<u>R. Baker</u>			
Q.C. INSPECTION	<u>W. Baker</u>		<u>W. Baker</u>			
*AMOUNT PER GALLON: <u>4095</u> BURNISH: <u>4095</u> SPRAY: <u>4095</u> ROLL: <u>4095</u>						

COPY