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# INVESTIGATION OF MAGNETIC GAGES FOR MEASURING THICKNESS OF COATINGS ON STEEL



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TEXAS HIGHWAY DEPARTMENT

#### INVESTIGATION OF MAGNETIC GAGES

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MEASURING THICKNESS OF COATINGS ON STEEL

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Materials and Tests Division Texas Highway Department

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#### ABSTRACT

A determination of the overall accuracy of the magnetic gages was made with respect to testing of galvanized and paint coatings on steel.

Conclusions and "indicators" were obtained relative to the use of the magnetic gages and methods of testing thickness of coatings.

This investigation, while quite involved and lengthy, did reflect present procedures which were in error as well as the accuracy of the magnetic gages. The difficulties and errors encountered in calibration of the gages, under the various circumstances, indicate the present calibration procedures outlined in Texas Highway Department Test Method Tex-728-I, will have to be revised. The overall results of the magnetic gages indicates that they have a reasonably good accuracy, under certain circumstances, but caution should be exercised in their use. The magnetic gages should be used to obtain an "indication" of the coating thicknesses but should not be considered to be accurate to such an extent as to be 100% effective. The accuracy of the magnetic gages varies with the type of coating, thickness of base metal, thickness of coating, and base metal anchor patterns. Comparison tests of methods for determination of actual weight of coating (galvanized products) reflect that a difference exists between results obtained by the ASTM A-90 strip test versus coupon weigh-checking and that it is of a sufficient degree to affect magnetic gage comparisons. An analysis of the microscopic measurements of paint films shows that paint films should not be "averaged" to obtain a base point for magnetic gage comparisons since the coating will vary greatly from point to point due to the rough anchor pattern of blasted steel. The test procedure will be revised and improved to compensate for variables encountered when measuring coatings on steel with magnetic gages.

#### IMPLEMENTATION

The data obtained in this project shows that it will be necessary to revise Test Method Tex-728-I with respect to calibration of magnetic gages for each type of coating as well as indicating which gage is most appropriate for the type of coating to be measured. The use of magnetic gages for checking coatings on steel would seem to be an acceptable method when used as "indicators" of actual coating thickness. The inspector should not assume these gages to be 100% accurate or to be capable of acting as "referee" instruments in cases of dispute.

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#### I. SUBJECT

Determination of the acceptability of magnetic film thickness gages for use in inspection of coatings on steel.

#### II. PURPOSE

The primary purpose of this investigation was to determine the accuracy of three types of magnetic gages for measuring the thickness of galvanized and paint coatings on steel members of various thicknesses, base metals and configurations.

The secondary purposes were to (1) determine the effect of various operators performing the same tests with the same gages and (2) to obtain an indication of the variance between methods of ASTM A-123 for determining actual weight of galvanized coatings, i.e. coupon weigh-checking vs. the strip test of ASTM A-90 and its effect on magnetic gage results.

#### III. CONCLUSIONS

Test data compiled during this investigation reflects that the accuracy of the three magnetic gages tested is not the same for measuring galvanized coatings as for paint coatings on steel. Three reasons for this are outlined below.

- 1. The bases used for comparison (i.e. the strip test for galvanizing and the microscopic examination for paint films) are in themselves inaccurate as was pointed out in Section VII "Comparative Discussion".
- 2. The measuring of different coatings with differently prepared base metal surfaces (pickled or etched for galvanizing and shot or sand blasted for paint) which present different anchor patterns.
- 3. The methods of gage calibration are different due to specification requirements. Galvanized coatings are measured as a total coating (including peaks and valleys) whereas paint films are measured as a minimum thickness (coating over the highest peaks).

These items, as well as others, affect the accuracy determinations shown in this report. Taking this into account, it is believed that the magnetic gages are more accurate than indicated in this report. Each gage has its own pattern and so must be considered on its own merit.

- A. Elcometer. This instrument had an accuracy of 66.4% on galvanized coatings while achieving an accuracy of 58% on paint films. On galvanized coatings, this gage tended to indicate thicknesses <u>less</u> than the actual but on paint films was the most accurate, reading on both the plus and minus side.

  The Elcometer displayed a very well balanced group of readings on paint films and would be considered the most accurate for that use.
- B. Mikrotest. Due to calibration problems with this gage, it is difficult to make a proper analysis. However, this gage tended to be a rather well-balanced instrument for measuring both galvanized and paint coatings on steel. When used in accordance with the manufacturer's instructions (no calibration or correction) the Mikrotest had a 75.7% accuracy on galvanized coatings while attaining a 50% accuracy on paint films when calibrated by Test Method Tex-728-I.
- C. Tinsley. Since there is no provision for calibrating this gage, it showed a varied result on the different coatings. On galvanized coatings, the Tinsley's accuracy was 73.9% and 12% on paint films. This gage tended to read excessively high on paint films and generally low (but with occasional high and low readings) on galvanized coatings. This gage may well be used on galvanized coatings, bearing in mind its general tendency to read low but occasionally flucuate. By taking numerous readings and averaging them, this gage can be considered an acceptable indicator of galvanized coating thickness. This gage is not recommended for measuring paint film thicknesses.

In analyzing the performance of the gages on galvanized coatings, one must consider that a certain amount of the percent error indicated is due to the removal of oxidized base metal in the ASTM A-90 strip test. This is evidenced by the Correlation Test performed to give an indication of metal loss and its effect on the magnetic gage results. It can be assumed that the accuracy of the magnetic gages may well be from 5 to 10% greater than indicated. The individual test results indicated that a careless operator could affect the results but mainly only in the calibration of the instruments. In taking readings, it is felt that any two operators would achieve basically the same results if they read with the same gage at exactly the same location. The inspector should pay particular attention to calibration of the instrument so as not to obtain erroneous readings.

#### IV. MATERIALS:

The materials used in this investigation were as outlined below. For Tests on Galvanized Coatings:

- A. Ninety (90) 4"  $\times$  4" samples of ASTM A-36 and A-441 steel plate of various thicknesses.
- B. Forty-eight (48) 4" long samples of various structural I-beam and wide flange shapes of ASTM A-36 and A-441 steel.
- C. Twenty-four (24) 4" long sections of ASTM A-53 pipe in 1-1/4" to 3-1/2" diameters.
- D. Twelve (12) 1/4" x 4" x 4" samples of ASTM A-36 steel plate (production galvanized) for comparison tests on methods of determining actual weight of coating as specified in ASTM A-123.

  No magnetic gage readings were made on these samples.

#### For Tests on Paint Films:

A. Fifteen (15) 4" x 4" samples of various thicknesses of ASTM

A-36 steel plate coated with shop coat paint. Six (6) samples

were coated with Shop Coat #700 paint (a linseed oil type primer)

and nine (9) samples were coated with Shop Coat #800 (an

alkyd-oil-chlorinated rubber type primer).

Samples for tests on galvanized coatings were prepared by cleaning for galvanizing and selecting one out of each group of six samples of each plate thickness, structural shape size and pipe diameter as a "control sample" and hot-dip galvanizing the remaining five of each group. The "control samples" were used for calibration of the magnetic gages.

Samples for tests on paint films were blast cleaned and portion of each sample masked off prior to painting so that an unpainted surface was available for calibration of the gages.

#### V. EQUIPMENT

The equipment used in this investigation consisted of four (4) magnetic gages of three types and two optical devices. The magnetic gages used represent the types used by inspection personnel in the fabricating shop or in the field to measure thickness of galvanized coatings and paint films on steel. The magnetic gages used were:

- A. Elcometer, 0 to 5 mil range (galvanized coatings).
- B. Elcometer, 0 to 10 mil range (paint coatings).
- C. Mikrotest, O to 40 mil range (all coatings).
- D. Tinsley, 0 to 15 mil range (all coatings).

The optical instruments used to determine paint film thicknesses were:

- A. Tooke gage
- B. Microscope, using reflected light microscopy.

The Elcometer, Mikrotest and Tooke gages are described in a report entitled "Measuring Thickness of Coatings" by Joseph G. Raska,

Senior Paint Engineer (LI 7-66 B) issued by the Materials and Tests

Division, Texas Highway Department and will not be further described here. The Tinsley gage is a pencil type gage housing an alnico magnet attached to a calibrated spring and which operates on a spring tension versus magnetic attraction principle. The reflected light microscope was used to ascertain the actual paint film thickness, measuring in microns and converting to mils.

#### VI. PROCEDURE:

This procedure is divided into three parts (A) Galvanized Samples - Magnetic Gages; (B) Galvanized Samples - Correlation Test and (C) Paint Samples.

- A. Galvanized Samples Magnetic Gages.
  - 1. Sample Preparation. All samples were identified with a steel stencil according to base metal type. The samples were then separated according to base metal, thickness and configuration. The samples were cleaned, pickled, rinsed and prepared for hot-dip galvanizing in accordance with ASTM A-123. At this point, the "Control Samples" one sample from each base metal, thickness and configuration were removed from the lot, dried and placed in plastic bags to retard corrosion. The remainder of the samples (five of each group) were hot-dip galvanized in groups according to thickness and configuration in accordance with ASTM A-123 and then water quenched.
  - 2. Sample Identification. The samples were delivered to the Materials and Tests Laboratory where they were numbered with a pre-selected code and test spots (1/2" diameter circles) were marked on each sample with a felt tipped pen. The plates and pipe sections were each marked with five (5) test spots and the structural shapes were each marked with ten (10) test spots, five on the flanges and five on the web of each sample. The test spots were marked on both sides of the samples in areas carefully selected to avoid dross, roughness, heavy accumulations and edge effects. Each test spot was code lettered to provide for rechecking, if necessary.

- See Figure A (Appendix A) for marking and numbering of samples.
- 3. Testing. To determine the effect of operator inexperience on the test results, operators were selected from engineering, inspection, technical and clerical personnel. Each operator was instructed in the proper use of the gage he was to use according to the manufacturer's instructions as modified by Test Method Tex 728-I (Appendix A). The operators calibrated the gages at the beginning and at each change in base metal thickness (after about 25 readings). Calibrations were made on the Control Samples using standard brass shims. The Elcometer and the Mikrotest gages were calibrated but the Tinsley gage was not (factory calibrated). Readings were taken at each test spot and recorded on the worksheet provided. Each operator worked independently and was not allowed to compare results with other operators.
- Results. When all magnetic gage readings had been taken and recorded, they were tabulated to determine the samples which had the highest and lowest readings in each group. All plates, the high and low samples of shapes and pipe sections were subjected to the strip test of ASTM A-90 and the results recorded in Table I (Appendix B). The magnetic gage readings obtained by each operator are shown in Table II (Appendix B). During the preparation of Table III "Operator-Gage Percent Error" (i.e. Magnetic gage readings versus the strip test) it was noted that the Mikrotest had excessively high percent errors. A recheck of the data revealed that without the use of correction factors as required by Test Method Tex 728-I, the Mikrotest readings were much closer to actual coating thicknesses.

Table III illustrates this by showing two sets of data for the Mikrotest.

Table IIa reflects the actual Mikrotest readings without application of the correction factors.

#### 5. Discussion

The variances noted between operators seemed to follow no definite pattern as the the experience or inexperience of the operators. In general, variances were small or negligible but occasionally a high or low set of readings would be obtained by an individual operator. It would be expected that, if the gage manufacturer's instructions were followed, any two operators would be able to obtain reasonably close results at any point - using the same gage.

The results shown in Table III indicate that the magnetic gages would generally read less than the actual coating thickness on plates and shapes. The probable cause of this is that the heavy accumulations (drip line) and areas of excessive roughness are not measured because they are within 1/2" of the edges of the plate or shape. Therefore the strip test will indicate more coating than was measured by the gages and the gages would indicate less coating. The gages tend to read higher than the actual coating on small diameter pipe. This is believed to be caused by the radius of curvature of the pipe which tends to make the gage "ride high" and thus indicate a greater coating thickness. There were, of course, exceptions to this, indicating that other factors were involved.

The samples marked with an asterisk (\*) in Table III obviously are in error - probably due to the strip test - since all gages were in gross error on those samples.

Those results are not included in the final analysis of gage accuracy. As indicated at the bottom of Table III, the ability of the three magnetic gages to obtain results within the  $\frac{+}{2}$  15% accuracy expected in ASTM E376 is as follows.

Elcometer		66.4%
Mikrotest	(Corrected)	15.2%
Mikrotest	(Uncorrected)	75.7%
Tinsley		73.9%

It is obvious that, for galvanized coatings, the Mikrotest should <u>not</u> have correction factors applied but should be read direct (as the manufacturer instructs). The factory calibrated Tinsley gage reflects a good overall accuracy but its occasional high or low readings affect its accuracy. The Elcometer suffers much the same built—in error as did the Mikrotest, with correction factors applied, but not to the same extent.

#### B. Galvanized Samples - Comparison Test

This test is to obtain an <u>indication</u> of the variances between weigh-checking coupons in the galvanizing plant and the laboratory strip test of ASTM A-90 for determining the weight of galvanize coating. Both of these tests are permitted by ASTM A-123.

1. Sample Preparation & Testing. Twelve (12) 1/4" x 4" x 4" steel plate coupons were cleaned, pickled, rinsed and dried and weighed to establish "pickled weight". These coupons were then attached to structural steel members just prior to galvanizing and galvanized with the structural members. After galvanizing, the samples were re-weighed and the galvanized weight recorded. From this date the average weight of galvanized coating was calculated. This data was recorded in Table IVa under "SHOP" heading. The coupons were sent to the laboratory where they were again weighed, subjected to the strip test of ASTM A-90 and weighed in the stripped condition. The average weight of coating was again computed and recorded in Table IVa under the "LABORATORY" heading.

The differences between these coating weights were computed and an average percent difference obtained.

#### 2. Discussion.

The overall average difference between SHOP and LABORATORY was found to be + 4.6% with the LABORATORY weight of coating in excess of that found in the SHOP. This figure was obtained by regression analysis. The regression analysis plot is shown in Appendix B with Table IVa.

To ascertain how this might affect the results obtained in this investigation (Tables II & III), the percent error for samples 10 & 20 were recalculated by reducing the original strip test results by 4.6% and recomputing the percent error for these samples. The original gage accuracy versus the corrected gage accuracy for the ten (10) specimens is shown in Table IVb and outlined below.

GAGE	ORIGINAL	DIFFERENCE	
Elcometer	68.6%	77.1%	+ 8.5%
Mikrotest (Uncorrected)	73.3%	83.3%	+10.0%
Tinsley	80.0%	86.7%	+ 6.7%

Since the coupons used in making this test were 1/4" thick, the comparison can only be made for like thicknesses (i.e. Samples 10 & 20) but it does show a definite change in gage accuracy and <u>indicates</u> that the magnetic gages may well be more accurate than as indicated in Table III. This, of course, is based on the premise that the weigh-checking of coupons in the galvanizing plant is the true and accurate method and that the ASTM A-90 method tends to remove oxidized base metal during the stripping operation and therefore reflects a higher weight of coating. Similar tests would be required to establish data for samples of other thicknesses. Further investigation will not be made on this correlation in this report.

#### C. Paint Samples.

- 1. Sample Preparation. The fifteen (15) samples of various plate thicknesses were blast-cleaned to a near-white finish on one side of each sample and a 3/4" wide strip was masked off along one edge prior to painting. Six samples (two each of three thicknesses) were coated with Shop Coat #700 paint and nine samples (three each of three thicknesses) were coated with Shop Coat #800 paint. The paint was applied so that there would be a range of paint film thicknesses over the group of samples. For example, one sample may be coated with approximately 2 mils; another with 5 mils, the other with 8 mils and so on.
- Sample Identification. The samples were identified by a preselected number code and general areas for test readings indicated. See Figure B, Appendix A for marking and numbering of samples.
- 3. Testing. The Elcometer and Microtest gages were calibrated by using standard shims on the bare steel strip on each sample. The Tinsley gage was not calibrated. Five readings per sample were made by each magnetic gage and the results recorded on worksheets. The operators were instructed and supervised as for the tests on galvanized sample testing.
- 4. Results. It became evident almost immediately that the calibration of the Elcometer and Mikrotest gages was a problem. The problems for each gage are outlined below.
  - a. Elcometer The calibration of the Elcometer showed that plastic shims could not be used because the pressure exerted

- on the gage, by the operator, indented the shim and caused erroneous readings. Brass shims were substituted and that problem was resolved.
- b. Mikrotest The calibration of the Mikrotest using correction factors required by Test Method Tex-728-I immediately showed negative coating thicknesses on thinner paint films. This condition indicated that both the plastic and brass shims were too rigid to allow proper calibration of the gage due to the anchor pattern. To alleviate this problem, the standard commercial shims were disposed of and non-commercial shims of a flexible nature were substituted. These non-commercial shims were constructed of flexible plastic such as that found in plastic bags, etc. and were measured by a micrometer to establish the actual thickness.

The readings obtained with the Elcometer, Mikrotest (calibrated with both commercial and Flexible Shims) and the Tinsley gage are shown in Table V. After all magnetic gage readings were taken and recorded, the samples were subjected to microscopic examination to establish the actual paint film thickness. The film thickness was considered to be from the highest peak of the base metal anchor pattern to the top of the paint film. Readings were taken at each of the five designated test areas on each sample and recorded on worksheets. Samples 6-1, 6-2, 9-1, 9-2 and 9-3 were not measured microscopically due to limitations of the equipment. When microscopic measurements were complete, the samples were subjected to film thickness readings taken by the Tooke gage - for comparison. The results obtained by microscopic examination and the

Tooke gages are shown in Table V. Table VI, which shows the percent error of each gage, was computed using the microscopic measurements as the basis for calculating the percent error for each of the magnetic gages and the Tooke gage.

#### 5. Discussion.

The percent error for the magnetic gages shown in Table VI indicate a number of interesting conclusions. A look at this table shows a fluctuation at individual points by the gages. For example, a gage may have less than 15% error on test points A, B, C and D and suddenly record a 25% error on test point E. This condition seemed to be rather prevalent throughout the table. The conclusions, in this case would be that (1) the paint film is not uniform at this test point or (2) the base metal peak used as reference in determining the film thickness was not the same height as the peak measured with the magnetic gage. The final conclusion is that the magnetic gage measurement should not be compared for accuracy except at exactly the same point as the measurement was made. In other words, the magnetic gage measures that point and only that point. A comparison of individual percent errors shows the following accuracies.

#### Individual Results

Elcometer ---- 58% of readings within ± 15% permitted by ASTM E 376

Mikrotest ---- 50% of readings within ± 15% permitted by ASTM E 376

Tinsley ----- 12% of readings within ± 15% permitted by ASTM E 376

Tooke ----- 42% of readings within ± 15% permitted for this test

This comparison points out the fact that, on an individual basis, the

Elcometer has a slightly higher accuracy rate than does the Mikrotest.

The Elcometer's higher accuracy rate is probably due to the fact that the Elcometer has a dual-contact which would tend to check an "area" moreso than a "point" and would thereby tend to "average" the peaks of the anchor pattern. The Tinsley gage, due to its method of operation (i.e. a pull-off method), always reads high because it tends to "ride-up" on the highest peaks of the paint film and would generally read the thickest portions of the film. A comparison of the averages per test point shows much the same results as for the individual points.

#### Averages per Test Point

Elcometer ---- 68% within  $\frac{+}{-}$  15% permitted by ASTM E 376 Mikrotest ---- 54% within  $\frac{+}{-}$  15% permitted by ASTM E 376 Tinsley ----- 8% within  $\frac{+}{-}$  15% permitted by ASTM E 376

This comparison shows that the <u>average</u> of <u>all operators per test point</u> tends to be much the same as the accuracy found for individual operators. It should be noted that this is true only for this investigation and may or may not always be the case. When magnetic measurements are made, they are considered on a <u>per test point per operator</u> basis. Considering the <u>average per sample per operator</u> would the be normal procedure for determining the <u>average</u> film thickness in standard practice. A comparison for that determination is shown below.

#### Average Accuracy per Sample

	<u>Opr. 1</u>	<u>Opr. 2</u>	<u>Opr. 3</u>	<u> Opr. 4</u>	Gage Avg.
Elcometer	50%	90%	70%	70%	70%
Mikrotest	80%	40%	70%		63%
Tinsley	10%	10%	0		7%

This comparison shows quite a variation in accuracy between operators. This may be caused by the previously stated fact that <u>averages</u> of paint films are not accurate and that the magnetic gages can only be considered accurate at the exact point at which the reading was taken. Another consideration may well be in the accuracy of the calibration of each gage by each operator.

#### VII. COMPARATIVE DISCUSSION

This investigation shows that a number of variables are present which affect the determination of magnetic gage accuracies. The variables are discussed below in relation to the type of coating measured by the magnetic gages.

#### A. Galvanized Coatings

- 1. Samples were not measured in heavy accumulation areas such as "drip lines" since edge effects (within 1/2" of edges) would affect the gages. Therefore, there was actually more zinc on the sample than could be measured by the magnetic gages and would consequently cause the strip test of ASTM A-90 to show a greater weight of coating than was actually present in the measured areas. Thus, the magnetic gages appeared to read less than the weight of coating established by the strip test.
- 2. The Comparison Test (Table IV-B) Shows that the strip test of ASTM A-90 removes oxidized base metal as well as the zinc coating thereby reflecting a weight of coating approximately
- 3. The magnetic gages are subject to error by virtue of their "point contact" during measurement. This can cause high or low readings depending on their position on the sample. Moving the gages slightly in any direction causes a change in the readings.

4.6% greater than is actually present.

4. The base metal anchor pattern affects the magnetic gage readings.

A deep anchor pattern (overpickling) will cause erratic readings

whereas a relatively smooth anchor pattern (normal pickling) will

cause the gages to have less variance over a surface.

#### B. Paint Coatings

- 1. The "point contact" of the gages causes errors as for galvanizing.
- 2. The base metal anchor pattern for paint coatings is attained by sand or shot blasting the steel which presents a very deep irregular pattern. Therefore, the source of error is increased in determining the accuracy of the magnetic gages.
- 3. The high variance of paint film determination across the samples shows that the paint film is not uniform and the microscopic analysis of each test point area could be inaccurate, mainly due to the rough and irregular anchor pattern.

#### C. Analysis

The variables listed above show that:

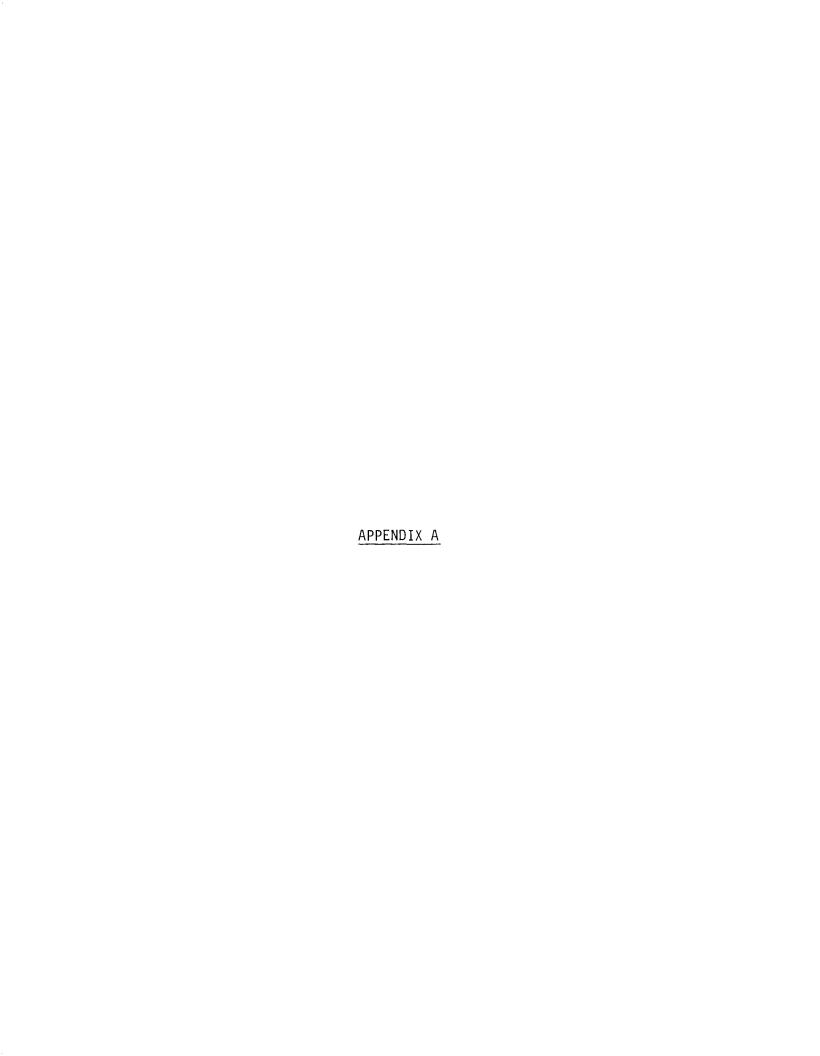
(1) the bases used for establishing the gage accuracies are in themselves inaccurate; (2) the gages may well be more accurate than indicated by the results shown; (3) the method of gage calibration must be different for each type of coating; (4) calibration of gages must be carefully done in order to prevent erratic readings and (5) the strip test of ASTM A-90 may be used for checking galvanized coatings but is not sufficiently accurate for comparison of magnetic gages. A comparison of gage accuracies for galvanized and paint coatings is shown below.

#### % Accuracy

Gage	Galvanizing	Paint
Elcometer	66.4%	58%
Mikrotest (Uncorrected)	75.7%	-
Mikrotest (flex shim)	~	50%
Tinsley	73.9%	12%
Tooke	-	42%

This comparison indicates that the Elcometer is a fairly universal gage, useable on both types of coatings with nearly the same degree of accuracy. The Mikrotest obtains good results but must be calibrated differently for each type of coating. The Tinsley gage displays a good accuracy on galvanizing but has rather poor accuracy on paint films. Obviously, Test Method Tex-728-I must be rewritten to prevent improper use of these gages. To accomplish this, a proposed revision to Test Method Tex-728-I is included in Appendix A of this report.

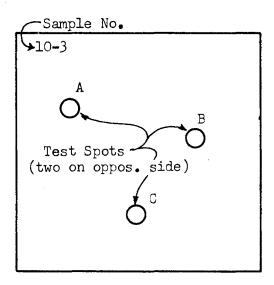
The results obtained in this investigation while indicative, do not clearly establish the true accuracy of the magnetic gages due to the many variables involved. However, with the knowledge of how each gage performs under certain circumstances these gages may be used by inspection personnel to provide an <u>indication</u> of the thickness of non-magnetic coatings on steel.



#### GALVANIZED STEEL

#### SAMPLE IDENTIFICATION

GROUP NO.	NUMBER OF SAMPLES GALVANIZED	SIZE & CONFIGURATION	BASE METAL TYPE
1 2 10 11 12 13 14 15 20 21 22 23 24 25 26 36 37 38 44 45 46 47 48 51 55 55	55555555555555555555555555555555555555	1/16" plate 1/8" plate 1/4" plate 3/8" plate 3/8" plate 1/2" plate 5/8" plate 3/4" plate 1" plate 1/4" plate 3/8" plate 3/8" plate 3/4" plate 5/8" plate 5/8" plate 7/16" plate 5/8" plate 1" plate 6 WF 8.5, 3/16" Fl. & Web 6 WF 25, 7/16" Fl., 5/16" Web 8 WF 17, 5/16" Fl., 1/4" Web 4 I 7.7, 5/16" Fl., 3/16" Web 6 WF 15.5, 1/4" Fl. & Web 8 WF 20, 3/8" Fl., 1/4" Web 10 WF 25, 7/16" Fl., 1/4" Web 12 WF 27, 3/8" Fl., 1/4" Web 12 WF 27, 3/8" Fl., 1/4" Web 1-1/4" Std. Pipe 2-1/2" Std. Pipe 3" Std. Pipe	A-36 A-441  "" A-36 ""  A-36 ""  A-36 ""  A-36 ""  A-441 ""  A-53 ""  H
56	5	3-1/2" Std. Pipe	11



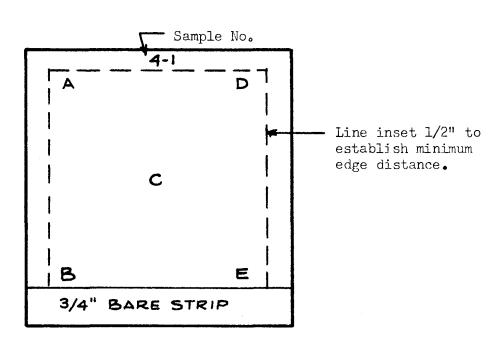
TYPICAL TEST SPOT LAYOUT

FIGURE A

PAINT ON STEEL

#### SAMPLE IDENTIFICATION

Sample Group No.	Base Metal Thickness	Type Coating
4	1/4"	Shopcoat # 700
5	1/2"	Shopcoat # 700
6	1"	Shopcoat # 700
7	1/4"	Shopcoat # 800
8	1/2"	Shopcoat # 800
9	1"	Shopcoat # 800



TYPICAL TEST AREA LAYOUT

FIGURE B

Test Method Tex-728-I

Rev: April 1, 1970

#### Texas Highway Department

#### Materials and Tests Division

# DRY FILM THICKNESS MEASUREMENTS OF COATINGS ON STRUCTURAL STEEL

Scope

This test method describes procedure and instrumentation used to measure dry film thicknesses of protective coatings as required in Item 446 of Texas Highway Department Standard Specifications.

#### Apparatus

- 1. A film thickness measuring instrument of the type that can be adjusted to indicate exactly the known thickness of a shim when the thickness of the shim is measured over uncoated material similar to that bearing the coating to be measured. The instrument's accuracy shall be within  $\pm$  0.1 mil over a range of  $\pm$  1 mil of the specified thickness.
- 2. Standard thickness shims made of suitable non-magnetic material. One shim to be approximately the specified thickness. One shim to be approximately  $\pm$  1 mil of specified thickness. Shim thickness to be uniform over its entire area, to be known, and to be accurate within  $\pm$  0.01 mil.

#### 3. <u>Examples</u>:

Elcometer
G. E. Type B Thickness Gage

#### Procedure

l. Instrument Calibration. Place standard shim matching specified thickness over an uncoated base similar to that bearing the coating to be measured. Following instrument manufacturer's instructions, adjust instrument to indicate the known thickness of the shim. With the instrument adjusted, using the same base location, measure the thickness of another standard shim having a thickness of approximately  $\pm 1$  mil of the shim used for adjusting. The instrument must indicate the known thickness within  $\pm 0.1$  mil.

#### 2. Film Thickness Measurement Procedure

a. <u>Standard Procedure</u>. Place standard shim with thickness approximately the same as that required by the specification over an uncoated area meeting surface cleaning specifications (if an uncoated area is not available, clean a spot using paint remover; or make a standard base by cleaning, to specification requirements, a piece of steel of the same type and thickness as the coated steel). Adjust the thickness gage to indicate the exact thickness of the shim while measuring the thickness of the shim according to the equipment manufacturer's instructions. When instrument is adjusted measure film thickness at selected locations. Mark or record test location and film thickness.

No greater than 15 tests should be made without rechecking the adjustment of the instrument.

b. <u>Alternate Procedure</u>. All tests to settle disputes shall be determined by the above procedure, but for routine and other uncontested checking, the following alternate procedure may be used:

If another instrument, such as the "Mikrotest", is used, a calibrated shim shall be placed on the bare prepared surface reference area. The thickness of the shim shall be determined with the instrument and a correction factor shall be applied to all measurements.

To determine correction factor, proceed as shown in the following example:

Place 2 mil shim on surface and determine thickness; Mikrotest indicates 3.25 mils. Subtract 2 mils from 3.25 mils to give a correction factor of 1.25 mils to be subtracted from measurements on coating thickness. For example, a Mikrotest reading of 4.25 mils for a coating would be 4.25 minus 1.25 or 3.0 mils of actual coating.

# Texas Highway Department Materials and Tests Division

# MEASUREMENTS OF COATINGS ON STEEL BY MAGNETIC-FIELD OR EDDY-CURRENT METHODS

#### Scope

This test method describes the procedure and instrumentation used to measure dry film thicknesses of protective coatings on steel. Part A describes procedure and instrumentation for paint films and Part B describes procedure and instrumentation for galvanized coatings.

#### Precautions

When using magnetic-field or eddy-current instruments, follow the manufacturers instructions and observe the following precautions.

- DO NOT take readings closer than 1/2" from edges, holes and inside corners.
- DO NOT use instrument on items of small radius of curvature unless the instrument has been calibrated for such use.
- DO NOT use instruments in heavy vibration areas.
- DO NOT use instruments in heavy electrical areas such as near arc-welding machines, or near any magnetic fields.
- DO NOT use instruments in any position for which they are not recommended.
- $\frac{DO}{}$  take readings in areas which are coated with dirt, grease, corrosion, flux, acid spots, dross and oxides.

# PART A (Paint Films)

#### Apparatus

1. A film thickness measuring instrument of the type that can be adjusted to indicate exactly the known thickness of a shim when the thickness of the shim is measured over uncoated material similar to that bearing the coating to be measured. The instrument's accuracy shall be within ± 0.1 mil over a range of ± 1 mil of the specified thickness.

#### Examples:

Elcometer
G.E. Type B Thickness Gage
Minitector

Alternate instruments in which the deviation from actual thickness is known or may be compensated for by a correction factor may be used for routine and other uncontested testing as indications of coating thickness, when approved by the Materials and Tests Division.

#### Example:

#### Mikrotest

2. Standard thickness shims made of suitable non-magnetic material. One shim to be approximately the specified thickness and the second shim to be approximately + 1 mil of the specified thickness. Shim thickness shall be uniform over its entire area, shall be known, and shall be accurate within + 0.01 mil.

#### Instrument Calibration

1. <u>Standard instruments</u> which can be adjusted to read the exact thickness shall be calibrated as follows.

Place a standard shim of the specified thickness on an uncoated base similar to that bearing the coating to be measured. Following the instrument manufacturers instructions, adjust the instrument to indicate the known thickness of the shim. With the instrument adjusted, using the same base location, measure the thickness of a second shim having a thickness of approximately  $^+$  1 mil of the shim used for adjusting. The instrument must indicate the known thickness within  $^+$  0.1 mil.

#### Measurement

#### 1 Standard Procedure

Place standard shim with thickness approximately the same as that required by the specification over an uncoated area meeting surface cleaning specifications (if an uncoated area is not available, clean a spot using paint remover; or make a standard base by cleaning, to specification requirements, a piece of steel of the same type and thickness as the coated steel). Adjust the thickness gage to indicate the exact thickness of the shim while measuring the thickness of the shim according to the equipment manufacturer's instructions. When instrument is adjusted measure film thickness at selected locations. Mark or record test location and film thickness.

No greater than 15 tests should be made without rechecking the adjustment of the instrument.

#### 2. Alternate Procedure

All tests to settle disputes shall be determined by the above procedure, but for routine and other uncontested checking, the following alternate procedure may be used:

If another instrument, such as the "Mikrotest", is used, a calibrated shim shall be placed on the bare prepared surface reference area. The thickness of the shim shall be determined with the instrument and a correction factor shall be applied to all measurements.

To determine correction factor, proceed as shown in the following example:

Place 2 mil shim on surface and determine thickness; Mikrotest indicates 3.25 mils. Subtract 2 mils from 3.25 mils to give a correction factor of 1.25 mils to be subtracted from measurements on coating thickness. For example, a Mikrotest reading of 4.25 mils for a coating would be 4.25 minus 1.25 or 3.0 mils of actual coating.

# PART B (Galvanized Coatings)

#### Apparatus

1. <u>Standard Film thickness measuring instruments of the type shown in Part A of this test method may also be used for measuring thickness of galvanized coatings.</u>

Example:

Elcometer
G.E. Type B Thickness Gage
Minitector

2. <u>Alternate instruments</u> may be used for measuring thickness of galvanized coatings when approved by the Materials and Tests Division and when used for routine, uncontested testing.

Examples:

Mikrotest Tinsley Gage

#### Instrument Calibration

- 1. The <u>standard instruments</u> shown under Apparatus shall be calibrated as indicated in Part A of this test method.
- 2. The <u>alternate instruments</u> shown under Apparatus shall be used without shop or field calibration or correction and shall be read directly.

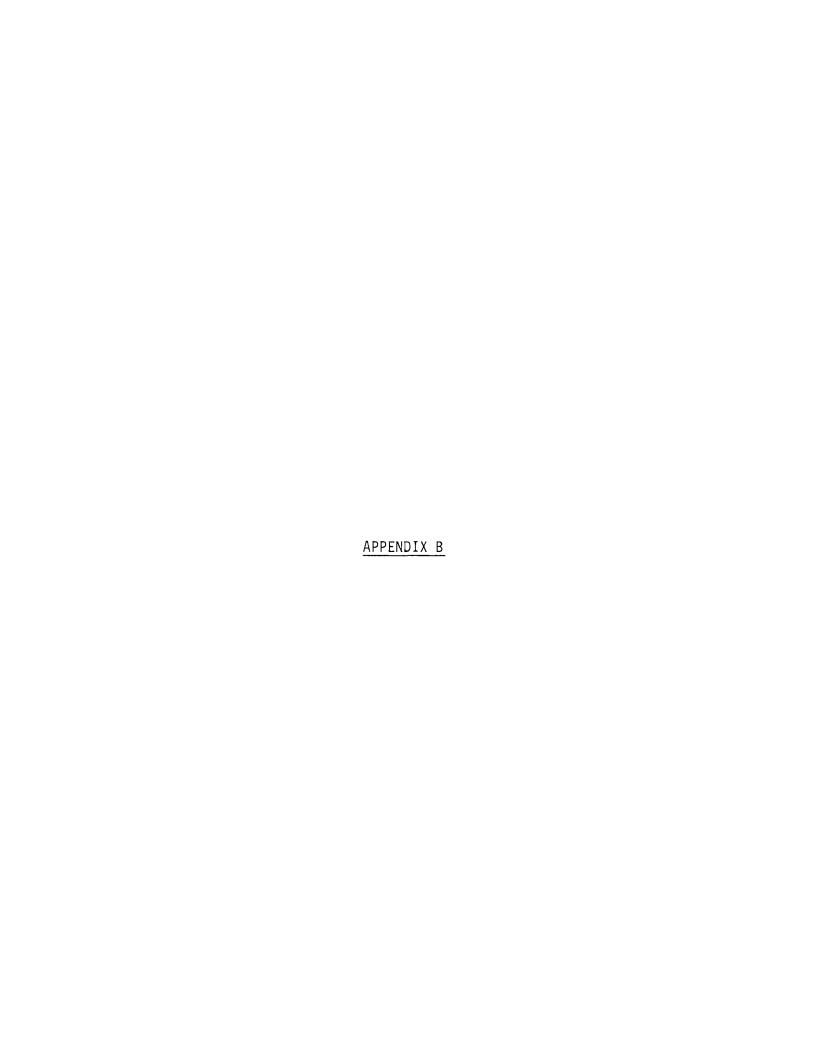
#### Measurement

Follow the instrument manufacturer's instructions, taking readings directly from the instruments' dial or scale. Record the readings - in mils - on a worksheet. Make at least 10 readings per galvanized article.

#### Calculation

Divide each reading (or the average of numerous readings per galvanized article) by 1.7 to obtain the weight of coating in ounces per square foot (OZ/SF). Some conversions are shown below to assist the inspector.

Mils	=	Oz/Sf
3.1	=	1.8
3.4	=	2.0
3.9	_	2.3



## TABLE I

Galvanized Metal Strip Test Worksheet

#### GALVANIZED METAL STRIP TEST WORKSHEET

TABLE I

PROJECT: SPECIFICATION: ASTM A-123 3-08-69-014 TEST SURFACE WEIGHT WEIGHT WEIGHT WEIGHT WEIGHT SAMPLE DIFF. DIFF. ZIMC CTG. AREAPICKLED GALVANIZED (oz/SF)(oz.) NUMBER (S.F.)(gr.) (gr.) (gr.) 2.87 138.2 18.7 0.660 1-1 0.2300 119.5 1.80 11.7 0.413 0.2281 121.0 132.7 2.59 16.5 0.582 0.2249 117.1 133.6 3 2.76 0.621 17.6 4 0.2250 116.4 134.0 1.34 0.436 12.4 5 0.2265 114.5 126.9 2.76 0.652 273.5 18.5 2-1 0.2361 255.0 2.57 270.4 2 253.2 17.2 0.607 0.2361 2.67 3 268.3 17.6 0.621 0.2328 250.7 2.49 16.8 0.593 4 0.2378 251.3 268.1 0.586 2.48 16.6 5 0.2361 250.1 266.7 2.69 19.5 0.688 10-1 0.2553 515.7 535.2 3.27 23.9 0.843 2 0.2578 512.1 536.0 3.00 0.762 533.0 21.6 3 0.2536 511.4 2.94 0.737 4 505.3 526.2 20.9 0.2500 2.78 19.9 0.702 5 528.0 0.2525 508.1 777.2 809.6 32.4 1.141 4.29 11-1 0.2642 2 823.0 38.9 1.372 5.08 0\_2700 784.1 1.372 5.00 791.0 829.9 38.9 0.273135.5 1.252 4.61 4 783.1 818.6 0.2465 5.25 40.4 1.425 5 0.2713 779.6 820.0 1077.8 20.2 0.751 2.60 12-1 0.2867 1057.6 1.95 2 0.2856 1024.1 1039.9 15.8 0.556

1061.4

1041.4

1045.2

1026.2

3

4

0.2865

0.2815

16.2

15.2

0.571

0.536

1.99

1.90

# GALVANIZED METAL STRIP TEST WORKSHEET

#### TABLE I

PROJECT: 3-08-69-014 SPECIFICATION: ASTM A-123

FACULOI:	3-00-09-014			0.502.	TORITON.	AUTH K-127
TEST SAMPLE NUMBER	SURFACE AREA (S.F.)	WEIGHT PICKLED (gr.)	WEIGHT GALVANIZED (gr.)	WEIGHT DIFF. (gr.)	WEIGHT DIFF. (oz.)	WEIGHT ZINC CTG. (oz/SF)
12-5	0.2826	1036.0	1064.0	28.0	0.988	3.47
13-1	0.2956	1281.0	1302.0	21.0	0.741	2.50
2	0.3035	1425.0	1442.0	21.0	0.741	2.42
3	0.2924	1261.0	1281.0	20.0	0.705	2.41
4	0.2981	1299.0	1321.0	22.0	0.776	2.58
5	0.2988	1294.0	1314.0	20.0	0.705	2.36
14-1	0.3115	1549.0	1570.0	21.0	0.741	2.35
2	0.3119	1561.0	1582.0	20.0	0.705	2.24
3	0.3142	1543.0	1566.0	23.0	0.811	2.58
4	0.3196	1584.0	1604.0	20.0	0.705	2.21
5	0.3203	1592.0	1613.0	21.0	0.741	2.31
15-1	0.3375	2124.0	2150.0	26.0	0.917	2.68
2	0.3390	2048.0	2081.0	33.0	1.164	3.43
3	0.3471	2159.0	2190.0	31.0	1.093	3.11
4	0.3464	2098.0	2125.0	27.0	0.952	2.75
5	0.3478	2108.0	2132.0	24.0	0.846	2.43
20-1	0.2500	491.7	508.7	17.0	0.600	2.39
2	0.2518	491.4	508.0	16.6	0.585	2.32
3	0.2537	494.7	512.0	17.3	0.610	2.40
4	0.2521	491.9	508.8	16.9	0.596	2.36
5	0.2553	497.6	515.0	17.4	0.614	2.40
21-1	0.2669	777.3	824.8	47.5	1.674	6.23
2	0.2670	766.8	809.0	42.2	1.488	5.57
3	0.2668	764.5	806.0	41.5	1.464	5.48

#### GALVANIZED METAL STRIP TEST WORKSHEET

# TABLE I

PROJECT: 3-08-69-014

SPECIFICATION: ASTM A-123

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TEST SAMPLE NUMBER	SURFACE AREA (S.F.)	WEIGHT PICKLED (gr.)	WEIGHT GALVANIZED (gr.)	WEIGHT DIFF. (gr.)	WEIGHT DIFF. (oz.)	WEIGHT ZINC CTG. (oz/SF)
21-4	0.2681	770.2	806.2	36.0	1.268	4.70
5	0.3326	768.1	816.0	47.9	1.689	5.07
22-1	0.2937	1048.9	1066.0	17.1	0.603	2.05
2	0.2924	1040.9	1058.0	17.1	0,603	2.06
3	0.2891	1037.9	1055.0	17.1	0.603	2.09
4	0.2879	1033.8	1052.9	19.1	0.674	2.32
5	0.2860	1031.0	1047.8	16.8	0.592	2.06
23-1	0.3025	1338.0	1365.0	27.0	0.952	3.15
2	0.2990	1354.0	1380.0	26.0	0.917	3.07
3	0.3054	1367.0	1398.0	31.0	1.093	3.54
4	0.3056	1397.0	1423.0	26.0	0.917	2.97
5	0.3058	1346.0	1374.0	28.0	0.988	3.23
24-1	0.3156	1617:0	1642.0	25.0	0.882	2.76
2	0.3172	1596.0	1624.0	28.0	0.988	3.11
3	0.3078	1576.0	1604.0	28.0	0.988	3.17
4	0.3126	1581.0	1610.0	29.0	1.023	3.27
5	0.3185	1604.0	1627.0	23.0	0.811	2.55
25-1	0.3296	1902.0	1928.0	26.0	0.917	2.71
2	0.3374	1919.0	1950.0	31.0	1.093	3.24
3	0.3264	1880.0	1910.0	30.0	1.058	3.20
4	0.3357	1904.0	1930.0	26.0	0.917	2.73
5	0.3834	1856.0	1884.0	28.0	0.988	2.58
26-1	0.3444	2119.0	2151.0	32.0	1.129	3.27
2	0.3451	2110.0	2141.0	31.0	1.093	3.16

## GALVANIZED METAL STRIP TEST WORKSHEET

TABLE I

PROJECT: 3-08-69-014 SPECIFICATION: ASTM A-123

PROJECT:	3-00-09-014			DILOII	TORITON:	ROIM K-12
TEST SAMPLE NUMBER	SURFACE AREA (S.F.)	WEIGHT PICKLED (gr.)	WEIGHT GALVANIZED (gr.)	WEIGHT DIFF. (gr.)	WEIGHT DIFF. (oz.)	WEIGHT ZINC CTG. (oz/SF)
26-3	0.3358	2079.0	2110.0	31.0	1.093	3.20
4	0.2678	2140.0	2171.0	31.0	1.093	4.01
5	0.3415	2108.0	2140.0	32.0	1.129	3.30
36-1F	0.0985	138.6	144.4	5.8	0.203	2,05
3W	0.1725	261.8	280.0	18.2	0.642	3.72
5F	0.0971	154.2	160.7	6.5	0.229	2,36
5W	0.1754	268.6	280.7	12.1	0.427	2.43
37-2F	0.1403	421.5	429.6	8.1	0.286	2.04
2W	0.1790	504.8	515.9	11.1	0.392	2.19
4F	0.1902	571.4	583.2	11.8	0.416	2.19
4W	0.1816	509.0	520.4	11.4	0.402	2.21
38-1F	0.1280	300.0	308.7	8.7	0.307	2.40
1W	0.1796	354.4	365,2	10.8	0.381	2.01
2F	0.1382	304.4	312.6	8.2	0.289	2.09
2W	0.1792	351.2	361.6	10.4	0.367	2.05
44-1F	0.0379	87.1	96.9	9.8	0.346	9.11
3F	0.0505	114.5	125.8	11.3	0.399	7.89
3W	0.1210	201.9	223.6	21.7	0.765	6.32
5W	0.1139	190.2	216.6	26.4	0.931	8.18
45-1F	0.1353	270.1	290.0	19.9	0.700	5.17
1W	0.1778	398.6	427.0	28.4	1.002	5.63
45-4F		SAMPLE DESTROY	ED			
5W	0.1778	395.4	426.7	31.3	1.104	6.20
46-1F	0.1155	324.6	342.6	18.0	0.635	5.50

## GALVANIZED METAL STRIP TEST WORKSHEET

# TABLE I

PROJECT: 3-08-69-014

SPECIFICATION: ASTM A-123

TEST SAMPLE NUMBER	SURFACE AREA (S.F.)	WEIGHT PICKLED (gr.)	WEIGHT GALVANIZED (gr.)	WEIGHT DIFF. (gr.)	WEIGHT DIFF. (oz.)	WEIGHT ZINC CTG. (oz/SF)
46-2W	0.1887	409.0	439.2	30.2	1.065	5.64
5F	0.1091	300.7	314.6	13.9	0.490	4.49
5W	0.1710	391.5	416.7	25.2	0.889	5.19
47-2F	0.1392	378.1	399.3	21.2	0.748	5.37
2W	0.1885	455.6	486.8	31.2	1.102	5.85
3W	0.1855	442.3	470.9	28.6	1.009	5.43
5F	0.1614	447.6	471.9	24.3	0.857	5.31
48-1W	0.1759	390.8	424.7	33.9	1.196	6.79
3F	0.1861	535.2	561.8	26.6	0.938	5.04
4F	0.1871	525.0	550.6	25.6	0.903	4.82
5W	0.1803	402.1	434.0	31.9	1.125	6.24
53-1	1/8" WALL	_	-	peri	_	2.23
3	11	-	_	-		2.08
54-2	3/16" WALL	- "	-	_	-	2.84
5	11	_	-	_		2.96
55-1	5/16" WALL		-	_	_	1.86
3	II	<b>TITL</b>	prog	-	-	1.79
56-2	7/16" WALL		-			1.80
4	11		-	_	фия	1.92
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		one also source in the control of th				

# TABLE II

Magnetic Gage Measurements (Galvanized Samples)

PROJECT: 3-08-69-014 PAGE 1

SAMPLE .			ELCO	METER			a	M	IKROTES	T	, , , , , , , , , , , , , , , , , , , ,	OPT THE PERSON NAMED IN		ΓINSLEΥ	M. O. W. Gray Li, Marin J., Marin	
& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	C-2	I-3	E-3	I-1	MILS	OZ/SF	I-2	E-2	E-3	MILS	OZ/SF	E-3	G-1	E-2	MILS	0Z/SF
10-1A	4.0	4.0	4.2	3.8	4.00	2.35	2.0	2.0	3.0	2.33	1.37	5.0	5.0	5.0	5.00	2.94
B C	3.7 4.0	4.0 4.2	3.9	3.8	3.85 4.00	2.26 2.35	2.5 1.8	1.2 1.8	2.0	1.90 1.87	1.12 1.10	4.0 3.4	4.0 4.5	4.0 4.0	4.00	2.35
D	3.7	3.6	3.6	3.6	3.62	2.13	2.0	2.0	3.0	2.33	1.37	3.5	4.0	4.0	3.83	2.25
E Avg.Mils	4.0 3.88	3.8 3.92	4.0 3.90	3.6	3.85	2.26	2.6 2.18	1.8 1.76	2.0 2.40	2.13	1.25	3.6	3.5 4.20	4.0 4.20	3.70 4.10	2.18
Avg.OZ/SF		2.31	2.29	2.21	3.50	2.27	1.28	1.04	1.41	2.11	1.24	2.29	2.47	2.47	4.10	2.41
10-2A	4.2	4.2	3.9	3.6	3.98	2.34	3.5	2.6	2.0	2.70	1.59	4.0	4.0	4.0	4.00	2.35
B C	4.2 3.8	4.0 3.8	3.9 3.9	4.0 3.4	4.02 3.72	2.37 2.19	2.0 2.6	2.6	2.5 2.3	2.37	1.39 1.41	3.6 3.6	4.5 5.0	3.0 4.0	3.70 4.20	2.18 2.47
D	4.1	4.0	3.8	3.7	3 <b>.9</b> 0	2.29	3.5	4.0	2.5	3.33	1.96	4.5	5.0	4.0	4.50	2.65
E Avg.Mils	4.5 4.16	4.00	3.86	4.3 3.80	4.15 3.95	2.44	3.3 2.98	2.8	2.5	2.87	1.69	4.5 4.04	5.0 4. <b>7</b> 0	4.0 3.80	4.50 4.18	2.65
Avg.OZ/SF		2.35	2.27	2.24		2.33	1.75	1.68	1.39		1.61	2.38	2.76	2.24		2.46
10-3A	4.2	4.2	. 4.2	3.9	4.12	2.43	4.0	2.2	4.0	3.40	2.00	4.0	4.5	4.5	4.33	2.55
B C	4.2 4.3	3.8 3.6	3.8 4.0	3.6	3.85 4.00	2.26	3.5 4.0	2.6 1.2	3.0 3.5	3.03	1.78 1.71	3.9 3.9	5.0 4.5	3.5 4.0	4.13 4.13	2.43 2.43
D	4.8	4.6	·INF	4.7	(4.70)	(2.76)	6.0	5.0	4.0	5.00	2.94	5.1	5.5	4.5	5.03	2.96
E Avg.Mils	5.0 4.50	4.8 4.20	INF (4.00)	INF (4.08)	(4.90) (4.20)	(2.88)	4.5 4.40	5.0 3.20	5.0 3.90	4.83 3.83	2.84	4.8	5.0 4.90	5.5 4.40	<b>5.</b> 10 4.54	3.00
Avg.OZ/SF		2.47	(2.35)	(2.40)		(2.47)	2.59	1.88	2.29		2.25	2.55	2.88	2.59		2.67
10-4A	4.5	4.2	4.5	3.9	4.28	2.51	3.0	2.0	3.5	2.83	1.67	4.8	4.5	4.0	4.43	2.61
B C	3.9 INF	4.0 4.6	4.4 INF	3.9 INF	4.05 (4.60)	2.38 (2.71)	2.7 4.2	3.0 3.0	2.5 4.0	2.73 3.73	1.61 2.20	4.0 4.0	4.0 5.5	3.5 4.5	3.83 4.67	2.25 2.74
D	INF	5.0	INF	INF	(5.00)	(2.94)	6.0	3.9	5.2	5.03	2.96	5.2	5.0	5.5	5.23	.3.08
E Avg.Mils	4.8 (4.40)	4.6 4.48	INF (4.45)	INF (3.90)	(4.70) (4.31)	(2.76)	5.0 4.18	3.2	3.5 3.74	3.90 3.64	2.29	5.1 4.62	5.5 4.90	5.0 4.50	5.20	3.06
Avg.OZ/SF				(2.29)		(2.53)	2.46	1.78	2.20		2.15	2.72	2.88	2.65		2.75
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PROJECT: 3-08-69-014

PAGE 2

SAMPLE .			ELCO	METER			and soften signer his weeks as	M.	KROTES	T				TINSLEY		
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	C-2	I <b>-</b> 3	<b>£-</b> 3	I-1	MILS	0Z/SF	I <b>-</b> 2	E-2	E-3	MICS	OZ/SF	E-3	G-1	E-2	MILS	0Z/SF
10-5A B C D E Avg.Mils Avg.OZ/SF	3.9 4.0 4.0 4.9 INF (4.20) (2.47)	3.4 3.8 3.7 4.6 4.7 4.04 2.38	3.4 3.7 4.3 5.0 INF (4.10) (2.41)	3.3 3.4 3.7 4.5 INF (3.72) (2.19)	3.50 3.73 3.92 4.75 (4.70) (4.02)	2.06 2.19 2.31 2.79 (2.76)	4.0 3.0 3.5 4.0 5.0 3.90 2.29	1.1 1.2 1.4 2.4 3.8 1.98 1.16	2.5 3.0 3.0 4.2 5.0 3.54 2.08	2.53 2.40 2.63 3.53 4.60 3.14	1.49 1.41 1.55 2.08 2.71	3.7 4.0 4.0 4.3 5.0 4.20 2.47	4.5 4.0 3.5 4.5 5.5 4.40 2.59	3.5 4.5 4.0 5.0 5.0 4.40 2.59	3.90 4.17 3.83 4.60 5.17 4.33	2.29 2.45 2.25 2.71 3.04
11-1A  B C D E Avg.Mils Avg.OZ/SF	INF INF INF INF INF	INF INF INF INF INF	INF INF INF INF	INF INF INF INF			6.0 6.0 6.0 6.0 5.5 5.90 3.47	5.5 5.5 5.5 6.0 6.1 5.72 3.36	5.5 5.0 6.0 6.0 5.5 5.60 3.29	5.67 5.50 5.83 6.00 5.70 5.74	3.33 3.24 3.43 3.53 3.35	6.2 6.2 7.0 7.0 6.5 6.58 3.87	7.0 6.5 6.5 7.0 6.5 6.70 3.94	6.5 6.0 7.0 7.0 6.0 6.50 3.82	6.57 6.23 6.83 7.00 6.33 6.56	3.86 3.67 4.02 4.12 3.73
11-2A B C D E Avg. Mils Avg.OZ/SF	INF INF INF INF -	INF INF INF INF -	INF INF INF INF	INF INF INF INF	-	-	7.0 6.0 7.0 6.0 5.5 6.30 3.71	7.2 6.2 7.2 6.1 6.8 6.70 3.94	7.5 6.5 6.5 6.6 6.5 6.60 3.88	7.23 6.23 6.90 6.03 6.27 6.53	4.25 3.67 4.06 3.55 3.69	8.0 8.0 8.0 8.0 8.0 4.71	8.0 9.0 9.0 8.0 8.0 8.40 4.94	8.0 8.0 8.0 7.0 7.5 7.70 4.53	8.00 8.33 8.33 7.67 7.83 8.03	4.71 4.90 4.90 4.51 4.61
11-3A B C D E Avg.Mils Avg.OZ/SF	INF INF INF INF INF	INF INF INF INF	INF INF INF INF -	INF INF INF INF		-	7.0 6.0 6.0 6.0 6.0 6.20 3.65	8.0 8.0 7.5 6.8 5.8 7.22 4.25	6.5 6.5 6.5 6.5 6.5 6.5 3.82	7.17 6.83 6.67 6.43 6.10 6.64	4.22 4.02 3.92 3.78 3.59	8.0 8.0 8.0 7.5 7.5 7.80 4.59	8.0 8.0 8.0 8.0 8.0 4.71	8.5 8.5 8.0 8.0 8.0 4.82	8.17 8.17 8.00 7.83 7.83 8.00	4.80 4.80 4.71 4.61 4.61

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## TABLE II. MAGNETIC GAGE MEASUREMENTS

PROJECT: 3-08-69-014

SAMPLE			ELCO	METER				M:	IKROTES	T				TINSLEY		Pinkerinte hillit sipalipa
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	C-2	I-3	E-3	I-1	MILS	OZ/SF	I-2	E-2	E-3	MICS	0Z/SF	E-3	G-1	E-2	MILS	OZ/SF
11-4A	INF	INF	INF	INF	-	-	4.5	5.8	5.5	5.26	3.10	6.5	8.0	7.5	7.33	4.31
B C	INF INF	INF INF	INF INF	INF INF	-	-	5.0 5.0	5.5 5.7	5.0 5.3	5.17 5.33	3.04 3.14	6.8 6.5	7.5 7.0	7.0 7.0	7.10 6.83	4.18 4.02
D	INF	INF	INF	INF	-	-	4.7	5.1	4.7	4.83	2.84	6.0	6.5	7.0	6.50	3.82
E Avg. Mils	INF -	INF -	INF -	INF -	-	· /	<b>4.</b> 8	4.8 5.38	5.5 5.20	4.03 5.12	2.96	6.0	6.5 7.10	7.5	6.67	3.92
Avg.OZ/SF	-	-	-	-		-	2.82	3.16	3.06		3.01	3.74	4.18	4.23		4.05
·																
11-5A	INF	INF	INF	INF	-	-	5.0	6.8	6.5	6.10	3.59	8.0	8.0	8.5	8.17	4.80
В . С	INF INF	INF INF	INF INF	INF INF	-	-	6.0 6.0	7.3 8.0	6.6 8.0	6.63 7.33	3.90 4.31	8.0 8.0	9.0 9.0	8.5 8.5	8.50 8.50	5.00 5.00
D E	INF INF	INF	INF	INF	-	-	5.5	6.2	6.5	6.07	3.57	8.0	7.5	7.5	7.67	4.51
Avg. Mils	-	INF -	INF -	INF -	-	$\left\  \cdot \right\  $	5.5 5.60	7.5 7.16	6.3	6.43	3.78	7.5	7.5 8.20	7.0 8.00	7.33	4.31
Avg.OZ/SF	-	-	-	<u>-</u>		-	3.29	4.21	3.99		3.83	4.65	4.82	4.71		4.73
														-		
12-1A B	3.9 4.2	4.4 4.6	4.4	4.7 4.4	4.35 4.38	2.56 2.57	3.0 3.0	3.4 3.2	3.0 2.5	3.13 2.90	1.84 1.71	3.5 4.5	4.0 4.0	6.0 5.5	4.50 4.67	2.65 2.74
C	4.1	4.4	4.1	4.4	4.25	2.50	3.5	3.4	2.5	3.13	1.84	4.0	4.5	4.5	4.33	2.55
D E	3.8 4.0	4.0 4.0	3.6 4.1	3.9	3.82 4.00	2.25	3.0	1.8 2.2	1.3 1.5	2.03	1.20 1.12	3.5 3.5	3.5 5.0	4.0 5.0	3.67 4.50	2.16 2.65
Avg. Mils	4.00	4.28	4.10	4.26	4.16		2.90	2.80	2.16	2.62		3.80	4.20	5.00	4.33	
Avg.OZ/SF	2.35	2.52	2.41	2.51		2.45	1.71	1.65	1.27		1.54	2.24	2.47	2.94		2.55
10.01	, -	, 0				(0.70)	2.5	0.6	0 /	0.50	1 /-		, ,		,	0.65
12-2A B	4.5 4.4	4.8 4.6	4.6 4.3	INF INF		(2.73) (2.55)	2.5 2.5	2.6 3.4	2.4 1.8	2.50 2.57	1.47 1.51	4.0 4.0	4.0 4.0	5.5 5.5	4.50 4.50	2.65 2.65
C	4.9	5.0	5.2	INF 4.9		(2.96)	3.5	2.8	2.6	2.97	1.74	4.3	4.0	5.5	4.60	2.71
D E	4.2 4.5	5.0 4.8	INF INF	INF		(2.76) (2.74)	3.5 2.5	2.8	2.0 1.7	2.77 2.17	1.63 1.27	4.0 3.5	4.5 4.0	4.0 4.5	4.17 4.00	2.45 2.35
Avg. Mils Avg.OZ/SF	4.50 2.65	4.84 2.85	(4.70) (2.76)	(4.90) (2.88)	(4.74)	(2.79)	2.90 1.71	2.78 1.64	2.10 1.24	2.60	1.53	3.96 2.33	4.10 2.41	5.00 2.94	4.35	2.56
Avg.U4/Sf	2.00	2.03	(2./0)	(2.00)	<del>                                     </del>	(4.13)	1./1	1.04	1.24			2.33	2.41	4.74		۷.٫٫۰
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PROJECT: 3-08-69-014

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PRUJECT:	3-00-03			AND DESCRIPTION OF THE PARTY OF	Control Control Control					THE RESERVE OF THE PERSON NAMED IN		general and comment and the			1 /	AUL 4
SAMPLE .			ELC0	METER	,			M:	IKROTES	T				TINSLEY		
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	C-2	I <b>-</b> 3	E-3	I-1	MILS	OZ/SF	I-2	E-2	E-3	MILS	OZ/SF	E-3	G-1	E-2	MILS	OZ/SF
12-3A	INF	5.0	INF	INF	(5.00)	(2.94)	3.5	6.0	4.3	4.60	2.71	6.0	5.0	5.0	5.33	3.14
B	4.5	5.0	INF	4.8	(4.77)	(2.80)	4.0	3.0	3.3	3.43	2.02	5.0	5.5	5.5	5.33	3.14
C	4.6	5.0	5.0	INF	(4.87)	(2.86)	4.0	2.8	3.2	3.33	1.96	4.5	4.5	4.5	4.50	2.65
D E	4.0	4.4	4.2	4.5	4.28	2.51	3.7	3.8	1.9	3.13	1.84	4.0	4.0	4.5	4.17	2.45
Avg. Mils	4.1 (4.30)	4.8	4.2 (4.47)	(4.60)	4.40 (4.55)	2.59	4.2 3.88	4.9	3.12	4.00	2.35	4.3	5.5	4.5	4.77	2.80
Avg.OZ/SF				(2.71)	(4.55)	(2.68)	2.28	2.41	1.84	3.70	2.18	2.80	2.88	2.82	4.02	2.84
12-4A	4.0	4.2	4.0	4.3	4.12	2.43	4.0	1.8	1.8	2.53	1.49	3.3	4.0	4.0	3.77	2.22
В	4.2	4.4	4.5	4.7	4.45	2.62	3.8	2.7	2.1	2.87	1.69	3.9	4.5	4.5	4.30	2.53
C D	4.2 4.4	4.4	4.4	4.7	4.42	2.60	5.5	4.8	3.3	4.53	2.67 1.65	4.5	5.5	5.0	5.00	2.94
E	4.6	4.6	4.6	4.9	4.68	2.75	3.5	3.0	2.5	3.00	1.76	4.0	5.0	5.5	4.83	2.74
Avg. Mils	4.28	4.48	4.38	4.66	4.45		4.06	3.00	2.38	3.15		3.94	4.80	4.80	4.51	
Avg.OZ/SF	2.52	2.64	2.58	2.74		2.62	2.39	1.76	1.40		1.85	2.32	2.82	2.82		2.65
		111			April 1990 Company Com								-			
12-5A	INF	INF	INF	INF			5.0	8.0	4.2	5.73	3.37	5.5	5.5	6.0	5.67	3.33
В	INF	INF	INF	INF	-	-	6.0	5.1	4.3	5.13	3.02	6.0	5.5	7.5	6.33	3.72
C D	4.5 INF	INF	INF	INF		-	5.5	3.5	2.9	3.97	2.33	5.5	5.5 6.5	6.5	5.83 5.83	3.43
E	INF	INF	INF	INF	-		6.0	4.2	4.3	4.83	2.84	5.5	5.5	6.0	5.67	3.33
Avg. Mils	-	-	-	-	-		5.50	4.80	4.02	4.77		5.50	5.70	6.40	5.87	
Avg.OZ/SF	-	-		-		-	3.24	2.82	2.36		2.81	3.24	3.35	3.76		3.45
					and the second											
13-1A	4.0	4.4	3.8	4.5	4.18	2.46	2.0	2.5	1.9	2.13	1.25	3.5	4.0	4.5	4.00	2.35
B C	3.3	4.6	3.9	4.7	4.12	2.43	2.5 1.5	2.6	2.3	2.47	1.45 1.12	3.5	4.0	4.0	3.83	2.25
. D	3.4	4.0	3.9	3.8	3.78	2.22	1.5	1.9	1.9	1.77	1.04	3.0	4.5	4.0	3.83	2.25
E	3.3	4.2	3.5	4.0	3.75	2.21	1.0	2.5	1.5	1.67	0.98	3.0	4.0	3.5	3.50	2.06
Avg. Mils	3.40	4.24	3.76	4.16	3.89	0.00	1.70	2.30	1.96	1.99	1.17	3.26	4.00	4.00 2.35	3.75	2.21
Avg.OZ/SF	2.00	2.49	2.21	2.45		2.29	1.00	1,35	1.15		1.1/	1.92	2.33	2.33		2.21
		(14)	1.	1.		L.	1			<u> </u>	,				1	

PROJECT: 3-08-69-014

SAMPLE .			ELCO	METER	<del></del>			M]	[KROTES	T				TINSLEY		
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	C-2	I <b>-</b> 3	E-3	I-1	MILS	OZ/SF	I-2	E-2	E-3	MICS	OZ/SF	E-3	G-1	E-2	MILS	OZ/SF
13-2A	3.5	4.2	4.0	4.2	3.98	2.34	3.0	2.6	1.9	2.50	1.47	3.5	4.5	3.5	3.83	2.25
B C	3.4	4.2 4.4	3.9 3.8	4.1 4.2	3.90 4.02	2.29	2.0 3.0	2.9 3.8	1.3 3.4	2.07 3.40	1.22	3.8 4.8	4.0 5.0	4.0 5.0	3.93 4.93	2.31 2.90
D	2.8	3.8	3.8	4.0	3.60	2.12	2.0	2.4	1.4	1.93	1.14	3.5	3.5	3.5	3.50	2.06
E Avg. Mils	4.0 3.48	3.8 4.08	3.5	4.4	3.92 3.88	2.31	1.5 2.30	2.1	1.5 1.90	1.70 2.32	1.00	3.0 3.72	4.0 4.20	4.00	3.67	2.16
Avg.OZ/SF	2.05	2,40	2.24	2.46		2.29	1.35	1.62	1.12		1.36	2.19	2.47	2.35		2.34
13-3A B	2.9 3.4	3.6 4.2	3.2 3.4	3.5 4.0	3.30 3.75	1.94 2.21	3.0 2.5	4.0 3.2	1.9 1.4	2.97 2.37	1.74 1.39	3.5 3.0	4.0 4.5	3.5 3.5	3.67 3.67	2.16 2.16
С	3.1	4.2	3.4	4.4	3.78	2.22	2.5	3.3	3.4	3.07	1.80	3.5	3.5	3.5	3.50	2.06
D E	3.6 3.6	4.0 4.0	3.4 4.1	3.7 4.0	3.68 3.92	2.16	2.0	3.5 4.0	1.4 2.0	2.30 2.67	1.35 1.57	3.3 4.0	4.5 4.0	3.5 3.5	3.77 3.83	2.22 2.25
Avg. Mils	3.32	4.00	3.50	3.92	3.69	2.17	2.40 1.41	3.60 2.12	2.02	2.68	1.57	3.46 2.04	4.10	3.50	3.69	
Avg.0Z/SF	1.95	2.35	2.06	2.31		2.17	1.41	2.12	1.19		1.5/	2.04	2.41	2.06		2.17
13-4A	3.2	3.6	3.2	3.5	3.38	1.98	1.0	4.0	1.5	2.17	1.27	3.0	3.5	3.0	3.17	1.86
В	2.8	3.4	3.1	3.9	3.30	1.94	2.0	3.0	1.4	2.13	1.25	3.0	3.5	3.0	3.17	1.86
C D	3.5 3.2	4.0 4.6	3.0	4.1 4.0	3.65 3.70	2.15 2.18	3.0 3.0	2.8 2.4	1.4 2.1	2.40 2.50	1.41 1.47	3.0 3.5	3.0 3.5	3.0 4.0	3.00 3.67	1.76 2.16
Е	3.1	4.2	3.9	4.0	3.80	2.24	2.5	1.5	0.9	1.63	0.96	3.0	3.0	_3.0	3.00	1.76
Avg. Mils Avg.OZ/SF	3.16 1.86	3.96 2.33	3.24 1.91	3.90 2.29	3.57	2.10	2.30 1.35	2.74 1.61	1.46 0.86	2.17	1.27	3.10 1.82	3.30 1.94	3.20 1.88	3.20	1.88
			,													
13 <b>-</b> 5A	3.7	4.2	3.8	4.4	4.02	2.37	2.0	2.9	2.0	2.30	1.35	3.5	4.0	3.5	3.67	2.16
B C	3.5 3.0	4.0 4.0	3.5 3.5	3.8 4.1	3.70 3.65	2.18 2.15	2.0 1.6	2.6 1.9	1.9 1.0	2.17 1.50	1.27 0.88	3.5 3.5	3.5 3.5	4.0 3.5	3.67 3.50	2.16 2.06
D	2.8	3.8	3.7	3.5	3.45	2.03	1.0	1.8	1.4	1.40	0.82	3.0	3.5	3.5	3.33	1.96
E Avg. Mils	3.0	4.00	3.5	3.7	3.55 3.67	2.09	0.5 1.42	1.4 2.12	0.8 1.42	0.90 1.65	0.53	3.0	3.5 3.60	3.0 3.50	3.17	1.86
Avg.OZ/SF	1.88	2.35	2.12	2.29		2.16	0.84	1.25	0.84		0.97	1.94	2.12	-2.06		2.04
		•														
L	<u> </u>	<u>'</u>	L <u>'</u>	<u> </u>		<u>.                                    </u>	Ŀ	<u> </u>		<u> </u>	<u> </u>	L	<u> </u>	L	·	

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PROJECT: 3-U8-69-014

SAMPLE .	7 105-14 14-15 14-14-14-14-14-14-14-14-14-14-14-14-14-1		ELCO	METER				М	IKROTES	T			-	TINSLEY		
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	C-2	I-3	E-3	I-1	MILS	OZ/SF	I-2	E-2	E-3	MILS	OZ/SF	E-3	G-1	E-2	MILS	OZ/SF
14-1A	3.6	4.2	3.7	4.2	3.92	2.31	4.0	2.2	2.2	2.80	1.65	3.5	3.5	3.0	3.33	1.96
B C	3.0 3.7	3.6 4.0	3.3	4.0	3.48 3.80	2.04	3.5 3.5	3.1	2.5 1.3	3.03 2.27	1.78 1.33	3.5 3.5	4.0	3.5 4.0	3.67 3.50	2.16 2.06
D	3.3	3.8	3.7	4.2	3.75	2.21	3.0	2.5	1.8	2.43	1.43	3.3	3.0	3.5	3.27	1.92
E Avg. Mils	2.7 3.26	4.0 3.92	2.9 3.44	3.8	3.35	1.97	3.0	3.3	1.8 1.92	2.70	1.59	3.5 3.46	3.0	3.5 3.50	3.33	1.96
Avg.OZ/SF	1.92	2.31	2.02	2.36		2.15	2.00	1.54	1.13		1.56	2.04	1.94	2.06	3.42	2.01
								į								
14-2A	3.0	3.2	2.9	3.5	3.15	1.85	4.0	4.0	2.6	3.53	2.08	3.3	3.5	3.0	3.27	1.92
B C	3.0 2.4	3.4 3.0	3.3	3.5	3.30 2.88	1.94 1.69	5.0 3.5	1.7 1.7	1.2	2.57 2.17	1.51 1.27	2.5	3.0 3.0	4.0 3.0	3.17 2.93	1.86 1.73
D E	2.7 2.6	3.6 3.4	3.2	4.0	3.38 3.08	1.98 1.81	3.0 3.0	2.3 1.5	1.5 1.4	2.27 1.97	1.33 1.16	2.5	3.0 3.0	3.0 3.0	2.83 3.00	1.67
Avg. Mils	2.74	3.32	3.04	3.52	3.16		3.70	2.24	1.60	2.50		2.82	3.10	3.20	3.04	1.76
Avg.OZ/SF	1.61	1.95	1.79	2.07		1.86	2.18	1.32	0.94		1.47	1.66	1.82	1.88		1.79
			1													
14-3A B	2.8	3.8 4.0	3.6	3.6 .	3.45 3.62	2.03	2.5 2.5	2.2	2.2	2.30	1.35	3.2 3.5	4.0 3.5	3.0 3.5	3.40 3.50	2.00 2.06
C	3.5	4.2	3.3	3.7	3.68	2.16	2.0	2.2	1.4	1.87	1.10	3.3	3.5	3.0	3.27	1.92
D E	3.3 2.9	4.0 3.6	3.5	4.0	3.70 3.32	2.18 1.96	3.0 4.0	2.5	2.0 1.8	2.50	1.47 1.53	3.5 3.5	4.5 4.5	4.5 3.5	4.17 3.83	2.45 2.25
Avg. Mils	3.08	3.92	3.48	3.74	3.55		2.80	2.34	1.76	2.30		3.40	4.00	3.50	3.63	//
Avg.OZ/SF	1.81	2.31	2.05	2.20		2.09	1.65	1.38	1.04		1.35	2.00	2.35	2.06		2.14
14-4A	3.2	3.6	3.7	3.8	3.58	2.10	2.5	2.3	1.2	2.00	1.18	3.3	3.5	3.5	3.43	2.02
В В	3.8	3.2	3.4	3.5	3.48	2.04	2.5	2.6	1.8	2.30	1.35	3.0	3.5	3.5	3.33	1.96
C D	3.2	3.6 4.2	3.5	4.1	3.60 4.00	2.12	3.0 5.0	2.7	1.8	2.50 3.20	1.47 1.88	3.5 3.5	4.0 5.0	3.5 4.0	3.67 4.17	2.16 2.45
E	3.0	3.6	3.6	3.6	3.45	2.03	2.5	3.0	1.9	2.47	1.45	3.2	4.5	3.0	3.57	2.10
Avg. Mils Avg.OZ/SF	3.34 1.96	3.64 2.14	3.60	3.90	3.62	2.13	3.10 1.82	2.60 1.53	1.78 1.05	2.49	1.47	3.30 1.94	4.10 2.41	3.50 2.06	3.63	2.14
	1.70							1.5-		_						
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PROJECT: 3-08-69-014

SAMPLE			ELC0	METER			The state of the s	M.	KROTES		ATTERIOR MENTAL AND			ΓINSLEΥ		
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	C-2	I-3	E-3	I-1	MILS	OZ/SF	I-2	E-2	E-3	MILS	OZ/SF	E-3	G-1	E-2	MILS	OZ/SF
14 <b>-</b> 5A	3.0	4.0	3.5	4.3	3.70	2.17	2.5	1.6	0.9	1.67	0.98	2.8	3.5	3.0	3.10	1.82
B C	2.9 3.3	3.4	3.2	3.7 4.5	3.30	1.94 2.24	2.7 2.5	3.0 2.4	1.6 2.0	2.43 2.30	1.43 1.35	3.0 3.2	4.0 4.0	3.5 3.0	3.50 3.40	2.06
D	2.9	3.8	3.3	3.5	3.37	1.98	2.0	2.0	1.7	1.90	1.12	3.5	4.0	3.5	3.67	2.16
E Avg. Mi	2.8 1s 2.98	3.4	3.4	3.2	3.20	1.88	2.5 2.44	1.8 2.16	1.8 1.58	2.03	1.20	3.3	4.0 3.90	3.5	3.60	2.12
Avg.OZ/	SF 1.75	2.16	2.01	2.26		2.05	1.44	1.27	0.93		1.22	1.86	2.29	1.94		2.03
15-1A B	3.5 3.7	3.8	4.0	3.8	3.78 3.60	2.22	1.7 1.5	3.5 2.4	2.6 2.0	2.60 1.97	1.53 1.16	4.0 3.5	5.0 4.5	3.5 3.5	4.17 3.83	2.45
С	3.9	4.0	3.8	4.3	4.00	2.35	1.5	2.2	1.9	1.87	1.10	3.5	4.0	3.5	3.67	2.16
D E	3.6 3.4	4.0	3.6	4.2 3.9	3.85 3.70	2.26 2.18	2.0 2.0	2.2 3.1	1.7 2.0	1.97 2.37	1.16 1.39	3.3 4.0	4.5 4.5	3.0 4.0	3.60 4.17	2.12
Avg. Mi	ls 3.62	3.84	3.78	3.90	3.79		1.74	2.68	2.04	2.16		3.66	4.50	3.50	3.89	
Avg.OZ/	SF 2.13	2.26	2.22	2.29		2.23	1.02	1.58	1.20		1.27	2.15	2.65	2.06		2.29
15-2A	INF	INF	4.9	INF	(4.90)	(2.88)	3.0	5.4	4.5	4.30	2.53	5.5	5.0	5.0	5.17	3.04
B	4.0	4.2	4.1	4.4	4.18	2.46	2.5	3.4	3.0	2.97	1.74	4.5	5.0	4.5	4.67	2.74
C D	INF INF	INF INF	4.7 INF	INF INF	(4.70) INF	(2.76) ( 3+ )	4.0 4.0	4.1 5.6	4.6 5.5	4.23 5.03	2.49 2.96	5.0 6.0	5.5 6.0	5.5 6.0	5.33 6.00	3.14 3.53
E	4.4	4.8	4.6	INF	(4.60)	(2.71)	2.5	4.2	2.2	2.97	1.74	4.0	5.0	4.5	4.50	2.65
	1s (4.20) SF (2.47)		(4.58) (2.69)	(4.40) (2.59)	(4.42)	(2.60)	3.20 1.88	4.54 2.67	3.96 2.33	3.90	2.29	5.00 2.94	5.30 3.12	5.10 3.00	5.13	3.02
		<u> </u>	<u> </u>													
15-3A	INF	5.0	5.0	INF		(2.94)	2.5	5.0	2.6	3.37	1.98	5.0	5.5	5.5	5.33	3.14
B C	4.8 4.4	INF 4.6	4.8 4.6	INF INF	(4.80) (4.53)	(2.82)	4.0 3.0	5.3 2.9	4.6 4.1	4.63 3.33	2.73 1.96	6.0 5.0	6.0 5.0	5.5 5.0	5.83 5.00	3.43 2.94
D	INF	INF	INF	INF	INF	(3+)	3.5	3.7	4.0	3.73	2.20	5.5	6.0	5.0	5.50	3.24
E Avg. Mil	4.5 1s (4.57)	(4.80)	4.6 (4.75)	INF INF	(4.63) (4.71)	(2.73)	3.5 3.30	4.2	3.4	3.70 3.75	2.18	4.5 5.20	5.0 5.50	4.5 5.10	4.67 5.27	2.74
	SF (2.69)		(2.79)	(3+)		(2.77)	1.94	2.48	2.20		2.21	3.06	3.24	3.00		3.10
				1									-			
<u> </u>		<u>l·</u>	<u> 1: </u>		<u>L</u>	<u> </u>	<u>L</u> j	<u>.                                    </u>	·		<u> </u>				L	<u> </u>

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PROJECT: 3-08-69-014

Γ	TROOLOT.							1							ETHOL C:		
١	SAMPLE .	ļ		T	METER I	I	1	<b></b>	1	KROTES	1			<del></del>	TINSLEY	T	r <del></del>
١	& .	GPTR	OPTR	ì	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
-	LOCATION	0-2	I-3	E-3	I-1	MILS	OZ/SF	I-2	E-2	E-3	MIES	0Z/SF	E-3	G-1	E-2	MILS	OZ/SF
	15-4A	3.6	4.0	4.0	4.3	3.87	2.27	2.0	2.7	1.9	2.20	1.29	3.5	4.5	3.5	3.83	2.25
۱	В	3.8	4.0	3.7	4.2	3.83	2.25	2.0	2.8	2.3	2.37	1.39	4.0	5.0	4.0	4.33	2.55
	C D	4.1 3.9	4.4 4.0	4.5 3.6	INF 4.4	(4.33) 3.83	(2.55) 2.25	2.0 1.5	2.8 2.9	2.5 2.6	2.43	1.43 1.37	4.0 3.8	4.5 4.0	4.0 3.5	4.17 3.77	2.45 2.22
	E	4.0_	4.4	3.9	4.3	4.10	2,41	1.5	2.9	3.3	2.57		3.8	4.0	4.0	3.77	2.22
	Avg. Mils Avg.02/SF		4.16 2.45		(4.30) (2.53)	(4.07)	(7.39)	1.80 1.06	2.82	2.52	2.38	1 /0	3.82	4.40	3.80	4.01	
	AVg.UZ/SF	7.70	2.43	2.32	(2.33)		(7:39)	1.06	1.66	1.48		1.40	2.25	2.59	2.24		2.36
1	15 <b>-</b> 5A	3.8	3.8	4.0	4.0	3.90	2, 29		2.7	2.0	2 27	1 20	2.5	, ,	0.5	2 67	0.16
	13-3A B	4.3	4.6	3.8	4.6	4.32	2,54	1.5 2.5	2.7 2.4	2.9 1.5	2.37 2.13	1.39 1.29	3.5 3.8	4.0 3.5	3.5 3.5	3.67 3.60	2.16 2.12
۱	С	3.5	4.4	3.6	4.4	3.97	3.34	2.0	2.9	2.5	2.47	1.45	4.0	4.5	4.5	4.33	2.55
-	D E	3.6 3.7	4.2 4.0	3.8	4.0 3.6	3.90 3.65	2.29 2.15	2.5 2.0	2.3	2.5 2.4	2.43 2.37	1.43 1.39	4.0 4.0	4.0 4.5	4.5 4.0	4.17 4.17	2.45 2.45
	Avg. Mils	3.78	4.20	3.70	4.12	3.95	7.32	2.10	2.60	2.36	2.35		3.86	4.10	4.00	3.99	
	Avg.OZ/SF	2.23	2.47	2.18	2.42		2.32	1.24	1.53	1.39		1.38	2.27	2.41	2.35		2.35
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PROJECT: 3-08-69-014

SAMPLE .		-	ELCO	METER				M.	KROTES	T		Managair Str Admin	-	TINSLEY		
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	E-3	I-1	C-1		MILS	0Z/SF	E-2	I <b>-</b> 2	I-1	MILS	OZ/SF	G-1	E-3	C-1	MILS	OZ/SF
20-1A	4.2	3.7	3.8		3.90	2.29	1.8	2.0	2.3	2.03	1.20	5.0	3.5	3.5	4.00	2.35
В	3.7	3.6	3.6	1	3.63	2.14	1.7	2.0	2.5	2.07	1.22	4.5	3.5	3.5	3.83	2.25
C	3.7	3.6	3.8		3.70	2.18	2.2	2.0	3.0	2.40	1.41	4.5	3.5	4.0	4.00	2.35
D E	4.0 4.0	3.8 4.0	3.9 3.5		3.90 3.83	2.29	2.3	2.0 2.5	3.0 3.1	2.43	1.43 1.51	5.0 5.0	3.5 3.7	4.0 4.0	4.17 4.23	2.45 2.49
Avg. Mils	.3.92	3.74	3.72	<del></del>	3.79		2.02	2.10	2.78	2.30		4.80	3.54	3.80	4.05	1.7
Avg.OZ/SF	2.31	2.20	2.19			2.23	1.19	1.24	1.64		1.35	2.82	2.08	2.24		2.38
20-2A	3.6	3.9	3.9		3.80	2.24	1.3	2.0	3.0	2.10	1.24	4.5	3.5	3.0	3.67	2.16
В	3.4	3.8	3.5		3.57	2.10	1.1	1.0	1.7	1.27	0.74	4.0	3.3	4.0	3.77	2.22
C D	3.5 3.8	3.1 3.9	3.4 3.9		3.33 3.87	1.96 2.27	1.6 2.0	2.0 1.8	2.2 2.5	1.93 2.10	1.14 1.24	4.0 5.0	3.7 3.5	· 4.0 4.0	3.90 4.17	2.29 2.45
E	3.7	3.9	4.1		3.90	2.29	1.7	1.8	2.4	1.97	1.16	4.5	3.5	4.0	4.00	2.35
Avg. Mils	3.60	3.72	3.76		3.69		1.54	1.72	2.36	1.87		4.40	3.50	3.80	3,90	
Avg.OZ/SF	2.12	2.19	2.21	<del> </del>		2.17	0.91	1.01	1.39		1.10	2.59	2.06	2.24		2.30
20-3A	3.6	3.5	3.7		3.60	2.12	1.2	2.0	2.1	1.77	1.04	4.0	3.5	3.5	3.67	2.16
B C	3.5 3.6	3.3	3.8 3.7		3.53 3.57	2.08	1.3	2.0	2.9	2.07 1.93	1.22 1.14	3.5 4.0	3.3 3.5	3.5 4.0	3.43	2.02 2.25
D	4.2	4.0	3.9		4.03	2.37	1.8	3.0	2.8	2.53	1.49	4.0	3.7	4.0	3.90	2.29
Е	4.0	3.5	4.0		3.83	2.25	1.2	2.5	2.2	1.97	1.16	4.0	3.3	3.5	3.60	2.12
Avg. Mils	3.78	3.54	3.82		3.71		1.34	2.30	2.52	2.05		3.90	3.46	3.70	3.69	2 1 7
Avg.OZ/SF	2.22	2.08	2.25	<del> </del>		2.18	0.79	1.35	1.48		1.21	2.29	2.04	2.18		2.17
20-4A	3.4	3.1	3.6		3.37	1.98	1.1	1.0	1.9	1.33	0.78	4.0	3.3 3.5	3.0 4.0	3.43	2.02 2.25
B C	3.6 3.6	3.8 3.3	4.1 3.6	1	3.83	2.25	1.4 0.8	2.0 1.5	3.1 1.9	2.17 1.40	1.27 0.82	4.0 3.5	3.0	3.0	3.83	1.86
D	3.7	3.8	3.8		377	2.22	1.0	1.5	2.6	1.70	1.00	4.5	3.5	3.5	3.83	2.25
E	3.5	3.2	3.6		3.43	2.02	1.2	1.5	2.3	1.67	0.98	4.0	3.5	3.5	3.67	2.16
Avg. Mils	3.56 2.09	3.44 2.02	3.74 2.20		3.58	2.11	1.10 0.65	1.50 0.88	2.36 1.39	1.65	0.97	4.00 2.35	3.36 1.98	3.40 2.00	3.59	2.11
Avg.OZ/SF	2.09	2.02	2.20	<del>                                     </del>		Z.11	دن.ن	0.00	エ・リフ		0.31	4.00	1.90	2.00	>	
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PROJECT: 13-08-69-014

	SAMPLE .	ACCRECATE OF THE PARTY.		ELCO	METER				М	IKROTES	T			enterent temperate	TINSLEÝ		THE RESERVE TO A SECOND SE
	&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
	LOCATION	E-3	I-1	C-1		MILS	OZ/SF	E-2	I-2	I-1	MIES	OZ/SF	G-1	E-3	C-1	MILS	OZ/SF
	20-5A B C D E Avg.Mi1s	3.7 3.5 3.5 3.8 3.7	3.6 3.5 3.7 3.7 3.7	4.0 3.7 4.0 3.8 3.9 3.88		3.77 3.57 3.73 3.77 3.77	2.22 2.10 2.20 2.22 2.22	1.7 1.2 1.4 1.5 1.5	1.5 1.5 2.0 1.6 2.0	2.5 2.3 2.6 2.8 2.9	1.90 1.67 2.00 1.97 2.13	1.12 0.98 1.18 1.16 1.25	4.5 4.5 4.5 4.0 4.5 4.40	3.8 3.5 3.5 3.7 3.5 3.60	3.5 3.5 4.0 3.5 4.0 3.70	3.93 3.83 4.00 3.73 4.00 3.90	2.31 2.25 2.35 2.20 2.35
	Avg.OZ/SF	2.14	2.14	2.28			2.19	0.86	1.01	1.54		1.14	2.59	2.12	2.18		2.29
	21-1A B C D E Avg. Mils Avg.OZ/SF	INF INF INF INF INF	INF INF INF INF INF	INF INF INF INF INF		- - - -		9.5 9.5 11.0 6.2 10.0 9.24 5.44	9.0 9.0 9.0 9.0 9.0 9.00 5.29	11.8 10.8 13.8 7.8 13.8 11.60 6.82	10.10 9.77 11.27 7.67 10.93 9.95	5.94 5.74 6.63 4.51 6.43	14.0 13.0 14.0 10.0 14.0 13.00 7.65	13.0 13.5 10.0 14.0	12.0 12.0 12.0 8.0 13.0 11.40 6.71	12.67 12.67 13.17 9.33 13.67	7.45 7.45 7.74 5.49 8.04
I	Avg.UZ/Sf		<del></del>	<del>-</del>			<u>-</u>	3.44	3.29	0,02		3.03	7.03	7.33	0.71		7.24
	21-2A B C D E Avg. Mi1s	INF INF INF INF INF	INF INF INF INF	INF INF INF INF INF		- - - -		10.0 9.5 4.8 10.5 6.5 8.26	9.0 4.0 10.0 11.0 9.0 8.60	11.3 8.3 6.0 13.3 9.8	10.10 7.27 6.93 11.60 8.43	5.94 4.27 4.08 6.82 4.96	11.0 9.0 8.5 15.0 13.0		9.0 7.0 8.0 13.0 10.0	10.33 7.67 7.83 14.00 11.00	6.08 4.51 4.61 8.24 6.47
ı	Avg.OZ/SF	-	-	-			-	4.86	5.06	5.73		5.22	6.65	5.76	5.53		5.98
	21-3A  B C D E Avg. Mils Avg.OZ/SF	INF INF INF INF - -	INF INF INF INF INF	INF INF INF INF -		-	-	8.5 6.0 7.5 9.5 5.8 7.46 4.39	8.0 8.0 4.0 8.0 4.0 6.40 3.76	8.8 8.8 9.3 10.3 6.3 8.70 5.12	8.43 7.60 6.93 9.27 5.37 7.52	4.96 4.47 4.08 5.45 3.16	12.0 9.0 10.0 13.0 10.0 10.80 6.35	8.0 8.0	11.0 9.0 8.0 10.0 8.0 9.20 5.41	11.67 8.67 8.67 12.00 8.33 9.87	6.86 5.10 5.10 7.06 4.90

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PROJECT: 3-08-69-014

( accompany	SAMPLE .	endocent this con-	Martin Constitution (A)	EL.CO	METER	e tereta tito ti ter in schol e	a kriticia arenda	THE THE PARTY ELECTRICAL EN	M	IKROTES	T	+ M IFO'S STOP ASSESS	ON RELIGIBLE TO A STATE OF THE	Minight en of settend	TINSLEY	TEARL STONYFOR	STILL STEAL SON
	& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
	LOCATION	E-3	I-1	C-1	TOTAL COMPLETE AND	MILS	OZ/SF	E-2	I-2	I-1	MICS	OZ/SF	G-1	E-3	C-1	MILS	0Z/SF
	21-4A	INF	INF	INF .		-	-	4.5	4.5	6.4	5.13	3.02	7.0	6.0	6.5	6.50	3.82
	B C	INF INF	INF INF	INF		-	-	4.5 4.2	3.0	6.5	4.67	2.74	7.0 6.0	6.0	6.0 5.5	6.33	3.73
1	D	INF	INF	INF		- "	-	6.0	5.0	7.8	6.27	3.69	8.0	6.5	6.5	7.00	4.12
	E Avg. Mils	INF -	INF -	INF -		<u>-</u>		10.0 5.84	8.0 4.70	11.8 7.86	9.93	5.84	14.0 8.40	7.00	7.30	7.57	7.25
	Avg.OZ/SF	-	-	-			-	3.44	2.76	4.62		3.61	4.94	4.12	4.29		4.45
			-						, ,							7.5	. "
dydaman	21-5A B	INF INF	INF	INF		-		13.0 10.0	9.0	12.3 10.8	11.43 9.93	6.73 5.84	15.0 15.0		.5.0 .0.0	.5.00 .2.00	8.82 7.06
	C	INF	INF	INF				14.0	12.0	12.8	12.93	7.61	15.0	15.0	15.0	15.00	8.82
	D E	INF INF	INF INF	INF INF		-	-	6.0 3.7	5.0 5.0	8.3		3.78	10.0	8.0 7.0	9.0 7.0	9.00 7.33	5.29 4.31
-40-	Avg. Mils	-	-	-				9.34	8.00	10.56	9.30		12.60	11.20	1.20	11.67	
1	Avg.OZ/SF	-	-	-			-	5.49	4.71	6.21		5.47	7.41	6.59	6.59		6.86
												* "				1	
	22 <b>-</b> 1A B	3.4	3.4	3.4		3.40 3.23	2.00	1.0	2.5	1.8	202 40700 001	1.04 1.10	4.0 3.5	3.3	3.5	3.60 3.17	2.12
	С	3.1	2.8	3.2		3.03	1.78	1.2	1.8	2.9	1.97	1.16	3.5	3.0	3.0	3.17	1.86
	D E	2.9	2.9 3.4	3.0		2.93 3.50	1.73 2.06	1.3	1.8	1.9 2.7		0.98 1.10	3.5	3.5	3.5	3.50 3.43	2.06
	Avg. Mils	3.22	3.26	3.18		3.22		1.26	1.94	2.28	1.83		3.60	3.22	3.30	3.37	
	Avg.OZ/SF	1.89	1.92	1.87			1.89	0.74	1.14	1.34		1.08	2.12	1.89	1.94		1.98
	22-2A	3.6	3.3	3.2		3.37	1.98	1.0	1.8	1.9	1.57	0.92	3.0	3.0	3.5	3.17	1.86
1	B B	3.0	3.0	2.9		2.97	1.74	1.6	2.5	3.0	2.37	1.39	4.0	3.5	3.5	3.67	2.16
	C D	2.9	3.0	3.0		2.97 3.07	1.74	1.7 1.3	2.5	2.6		1.33 1.06	3.5 3.5	3.0	3.5	3.33	1.96 1.86
	Е	3.7	3.5	3.5		3.57	2.10	1.9	2.5	2.5	2.30	1.35	4.0	3.3	3.5	3.60	2.12
	Avg. Mils Avg.OZ/SF	3.28 1.93	3.16 1.86	3.12 1.84		3.19	1.88	1.50 0.88	2.26	2.42 1.42	2.06	1.21	3.60 2.12	3.16 1.86	3.40	3.39	1.99
		1.75	1.00			_	2.00	3.00									-
	s																

2A0JECT: 3-08-69-014

	PAQUECT:	3-08-6	9-014	MODERNOON COMPANY	ent advellence en	TO SECULO DE SECULO	THE REPORT OF THE PARTY.	pamo siza m massinsi ka m	NEW BORNING TO SERVICE STREET	IN THEFTINE	NU NAMED OF THE STATE OF THE STA	ears esculatores	nasmu a acorum	vices execut distan	na ana taon a masa n	17) Pranslemtingsferaer	AGE IZ
	SAMPLE .			EL.CO	METER				MI	KROTES	Γ			7	INSLEY		
	&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
	LOCATION	E-3	I-1	C-1		MILS	OZ/SF	E-2	I-2	I-1	MIES	OZ/SF	G-1	E-3	C-1	MILS	OZ/SF
	22-3A B C D E Avg. Mils Avg.OZ/SF		3.2 2.7 3.0 4.2 3.2 3.26 1.92	3.0 3.1 2.9 3.7 3.3 3.20 1.88		3.13 2.90 3.03 3.83 3.33 3.24	1.84 1.71 1.78 2.25 1.96	2.0 1.7 1.0 1.1 1.4 0.85	2.0 2.0 2.0 2.5 2.0 2.10 1.24	1.9 2.2 1.6 2.5 2.2 2.08 1.22	1.97 1.97 1.53 2.03 1.87	1.16 1.16 0.90 1.20 1.10	3.5 4.0 3.5 4.0 4.0 3.80 2.24	3.3 3.0 3.0 3.5 3.5 3.26 1.92	3.5 3.0 3.0 3.5 4.0 3.40 2.00	3.43 3.33 3.17 3.67 3.83 3.49	2.02 1.96 1.86 2.16 2.25
-1,7-	22-4A B C D E Avg. Mils Avg.OZ/SF	3.5 3.7 3.7 3.9 4.0 3.76 2.21	3.5 3.6 3.5 3.6 3.9 3.62 2.13	3.4 3.2 3.6 3.5 3.7 3.48 2.05		3.47 3.50 3.60 3.67 3.87 3.62	2.04 2.06 2.12 2.16 2.27	2.0 1.9 2.1 2.0 2.2 2.04 1.20	2.5 2.5 2.8 2.3 3.5 2.72 1.60	2.4 2.2 3.2 2.9 2.8 2.70 1.59	2.30 2.20 2.70 2.40 2.83 2.49	1.35 1.29 1.59 1.41 1.67	4.0 3.5 4.0 3.5 4.0 3.80 2.24	3.5 3.3 3.8 3.5 4.0 3.62 2.13	3.5 3.5 4.0 4.0 4.0 3.80 2.24	3.67 3.43 3.93 3.67 4.00 3.74	2.16 2.02 2.31 2.16 2.35
	22-5A B C D E Avg. Mi1s Avg.OZ/SF	3.2 2.9 3.4 3.3 3.1 3.18 1.87	3.0 2.8 3.0 3.1 3.2 3.02 1.78	3.0 2.9 3.2 3.3 3.0 3.08 1.81		3.07 2.87 3.20 3.23 3.10 3.09	1.80 1.69 1.88 1.90 1.82	1.2 1.0 0.7 1.0 1.5	2.0 2.0 2.0 2.0 2.0 2.0 2.00 1.18	2.4 1.4 1.9 1.9 1.8 1.88	1.87 1.47 1.53 1.63 1.77	1.10 0.86 0.90 0.96 1.04	3.5 4.5 4.0 4.0 3.5 3.90 2.29	3.3 3.0 3.3 3.0 3.0 3.12 1.84	3.0 3.0 3.5 3.0 3.5 3.20 1.88	3.27 3.50 3.60 3.33 3.33 3.41	1.92 2.06 2.12 1.96 1.96
	23-1A  B C D E Avg. Mils Avg.OZ/SF	4.8 4.4 3.8 INF INF (4.33) (2.55)		4.9 4.6 4.6 INF INF (4.70) (2.76)		4.73 4.40 4.23 INF INF (4.45)	2.78 2.59 2.49 (3+) (3+)	3.8 3.3 3.0 4.1 3.8 3.60 2.12	3.5 3.8 2.0 4.0 3.0 3.26 1.92	4.4 4.9 3.1 6.0 4.1 4.50 2.65	3.90 4.00 2.70 4.70 3.63 3.79	2.29 2.35 1.59 2.76 2.14	7.0 4.5 5.0 6.0 5.5 5.60 3.29	4.8 4.2 4.0 5.0 5.0 4.60 2.71	5.0 4.0 4.0 5.5 5.5 4.80 2.82	5.60 4.23 4.33 5.50 5.33 5.00	3.29 2.49 2.55 3.24 3.14

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PROJECT: 3-08-69-014

L	SAMPLE & DCATION	OPTR E-3	OPTR														
70.00	JCATION	F_3 !		OPTR	OPTR	AVG		OPTR	OPTR	OPTR	AVG MICS	AVG	OPTR	OPTR	OPTR	AVG MILS	AVG OZ/SF
		Water Committee of the	I-1	C-1	entra entra en la recenta de l	MILS	OZ/SF	E-2	I-2	I-1	MILZ	0Z/SF	G-1	E-3	C-1	CATIN	02/36
2	3-2A B	4.2 4.2	4.1 4.0	4.2		4.17 4.17	2.45 2.45	3.0 2.8	2.5	3.6 3.1	3.03	1.78 1.65	4.0 5.5	4.0 4.0	4.0 4.5	4.00 4.67	2.35
	C D	4.1 4.5	4.3 (5)	4.2 4.9		4.20 4.80	2.47 2.82	2.0	2.5	3.1	2.53 3.17	1.49 1.86	6.0 5.0	4.0	4.0 4.0	4.67 4.33	2.74
١.	Е	4.5	4.8	4.7		4.67	2.74	3.3	3.0	3.2	3.17	1.86	5.5	4.5	4.5	4.83	2.84
	vg. Mils	4.30 2.53	4.44 2.61	4.46 2.62		4.40	2.59	2.76 1.62	2.70 1.59	3.36 1.98	2.94	1.73	5.20 3.06	4.10 2.41	4.20 2.47	4.50	2.65
				Y	A STATE OF THE STA							9 2 6	a a v			<i>(</i> '	100
2	3-3A B	INF INF	INF INF	4.9 INF		-	-	3.3	4.5	5.0 4.3	4.27 3.90	2.51 2.29	5.5 6.0	4.5 5.0	5.5 4.5	5.17 5.17	3.04
	C D	INF INF	INF INF	INF INF		-	-	4.4	4.5 4.5	5.1 4.3	4.67 4.07	2.74	7.0 7.0	6.0 5.5	5.5	6.17 6.17	3.63
14	E	INF	INF	INF		-	-	5.0	5.5	6.1	5.53	3.25	7.0	5.5	5.5	6.00	3.53
	vg. Mils	-	-	-				3.90 2.29	4.60 2.71	4.96 2.92	4.49	2.64	6.50 3.82	5.30 3.12	5.40 3.18	5.74	3.37
							w						(E)			ye ' 1	
2	3-4A B	4.2	4.1 4.4	4.2		4.17 4.30	2.45	3.0	2.3 3.0	3.8	3.03	1.78 1.90	5.0 4.5	4.5 4.0	4.5	4.67 4.17	2.74 2.45
	C D	4.1 4.3	4.6 4.3	4.3 4.4		4.33 4.33	2.55 2.55	3.3	3.0 3.0	3.7	3.33	1.96 1.94	5.5 5.5	5.0 4.0	4.5	5.00 4.50	2.94 2.65
	E .vg. Mils	4.1	4.4	4.0		4.17	2.45	2.3	3.0	2.5	2.60	1.53	5.0	4.0	3.5	4.17	2.45
	vg. Mils	2.46	2.56	2.49		4.20	2.51	1.67	1.68	2.12	3.10	1.82	3.00	2.53	2.41	4.50	2.65
					*			* .		ĕ			ž.		P .	a	
2.	3-5A B	INF 4.8	INF 4.8	INF 4.8		INF 4.80	(3+) 2.82	3.8 4.3	3.5	4.6 3.7	3.97 3.83	2.33	5.0 5.5	5.0 4.5	5.0 5.0	5.00 5.00	2.94
	C D	4.2 INF	4.8 INF	4.4 INF		4.47 INF	2.63 (3+)	3.0 5.3	3.3	3.1 4.4	3.13 4.40	1.84 2.59	5.0 5.0	4.5 4.5	4.5 5.0	4.67 4.83	2.74 2.84
	E	INF (4.50)	INF (4.80)	INF		INF (4.63)	(3+)	5.6	4.0	5.7	5.10	3.00	5.5	5.5	5.5	5.50	3.24
	vg. Mils vg.OZ/SF		(2.82)				(2.73)	4.40 2.59	2.09	2.53	4.09	2.40	3.06	2.82	2.94	3.00	2.94
	a N		:: 1	* 0			×										45

120ECT: 3-08-69-014

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	SATPLE .			<u>ELCO</u>	METER	r	<sub>-</sub>		M 	(KROTES	 			,	TINSLEY	ı	
	£	OPTR	OPTR	OPTR	OPTR	AVG	ΛVG	OPTR	OPTR	OPTR	AVG	TAVG	OPTR	OPTR	OPTR	AVG	AVG
-	recallon '	E-3	I-1	C-1	AND MENTAL OF THE PARTY OF	MILS	OZ/SF	E-2_	I-2	I-1	MILS	OZ/SF	G-1	E-3	C-1	MILS	OZ/SF
- Annahaman g	24-1A	4.1	3.8	4.0		3.97	2.33	3.5	3.5	3.2	3.40	2.00	4.0	3.5	3.5	3.67	2.16
	В	4.1	3.6	3.6		3.77	2.22	3.4	3.0	2.2	2.87	1.69	4.3	3.8	4.0	4.03	2.37
	. C D	3.9 4.2	3.6 4.0	3.5 4.3		3.67 4.17	2.16 2.45	2.9 3.3	2.0	2.0 3.3	2.30	1.35	3.5	3.3	3.5	3.43	2.02
1	E	4.3	3.9	4.5		4.17	2.49	3.5	3.0	3.4	3.30	1.78 1.94	4.0 4.5	3.5 4.5	4.0 4.0	3.83 4.33	2.25 2.55
	Avg. Mils	4.12	3.78	3.98		3.96		3.32	2.80	2.82	2.98		4.06	3.72	3.80	3.86	2.33
	Avg.OZ/SF	2.42	2.22	2.34			2.33	1.95	1.65	1.66		1.75	2.39	2.19	2.24		2.27
		-				·											•
	24 <b>~</b> 2A	INF	INF	INF		INF	(3+)	4.1	5.0	3.9	4.33	2.55	5.0	5.5	5.0	5.17	3.04
Ì	В	5.0	4.9	5.0		4.97	2.92	4.2	3.5	3.6	3.77	2.22	5.5	5.0	4.5	5.00	2.94
	C `	INF 4.5	4.5 4.5	4.8 4.4		(4.65) 4.47	(2.74) 2.63	4.1 3.4	3.5 3.5	3.4 2.5	3.67	2.16	5.0	4.5	5.0	4.83	2.84
	E	INF	4.5	4.6		(4.55)		3.8	3.7	3.2	3.13 3.57	1.84 2.10	4.0 4.5	4.5 4.5	4.0 4.5	4.17 4.50	2.45 2.65
	Avg. Mils	(4.75)	(4.60)	(4.70)		(4.68)		3.92	3.84	3.32	3.69	110	4.80	4.80	4.60	4.73	2.03
~	Avg.OZ/SF	(2.79)	(2.71)	(2.76)			(2.75)	2.31	2.26	1.95		2.17	2.82	2.82	2.71		2.78
	24-3A	INF	INF	INF		INF	(3+)	5.5	4.5.	3.7	4.57	2.69	4.5	5.5	5.0	5.00	2.94
	В	INF	INF	5.0		(5.00)		5.4	3.5	3.2	4.03	2.37	5.0	5.0	5.0	5.00	2.94
-	C D	INF INF	INF INF	5.0 5.0		(5.00) (5.00)	(2.94) (2.94)	5.1 4.8	3.9 3.9	4.7	4.57	2.69	4.5	5.0	4.5	4.67	2.74
	E	5.0	4.2	INF		(4.60)		4.8	3.9	3.9	4.20 4.00	2.47 2.35	5.5 5.0	5.0 5.0	4.5 4.5	5.00 4.83	2.94
	Avg. Mils					(4.73)		5.12	3.94	3.76	4.27		4.90	5.10	4.70	4.90	2.57
	Avg.OZ/SF	(2.94)	(2.47)	(2.94)			(2.78)	3.01	2.32	2.21		2.51	2.88	3.00	2.76		2.88
			:														
	24 <b>-</b> 4A	INF	INF	INF	-		(3+)	5.1	4.0	5.2	4.77	2.80	5.0	6.0	5.0	5.33	3.14
	В	4.5	4.2	4.8		4.50	2.65	4.5	3.5	2.9	3.63	2.14	4.5	4.3	4.0	4.27	2.51
	D D	INF INF	INF	INF			(3+)	4.9	4.0	4.3	4.40	2.59	4.5	4.7	4.5	4.57	2.69
	D E	INF	INF 4.4	INF 4.2		INF (4.30)	( 3+ ) (2.53)	5.3 3.4	3.0 3.0	4.2 5.7	4.17 4.03	2.45 2.37	5.0 5.0	4.5 4.5	5.0 4.0	4.83 4.50	2.84 2.65
	Avg. Mils	(4.50)	(4.30)			(4.43)	2.55)	4.64	3.50	4.46	4.20	<u> </u>	4.80	4.80	4.50	4.70	
İ	Avg.OZ/SF			, ,			(2.61)	2.73	2.06	2.62		2.47	2.82	2.82	2.65		2.76
											!						
;	Commence of the property of the contract of			<u> </u>	<u>L'</u>	<u> </u>	Lummer	المستعدد ويراثا				<u></u>		<u> </u>	<del></del>	<u> </u>	Lamana

230JECT: 3-08-69-014

	SAMPLE	s leeve sa se un cu mu	an residence in the state of the	ELCO	METER	र राजस्का जात्याक्ष भागना	r gundrer kom fårt och	TO STOLEN COMPLEX CO.	M	KROTES	T.	n sacarona, Linuxinazione	TO RECUEST LANGUE.	are parent to the series	FINSLEY	AND TABLE OF STREET	77122,3811.12
And Anna Marie	Ž.	OPTR	OPTR	0PTR	OPTR	ΛVG	ΛVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
	LOCATION	E-3	I-1	C-1	e spiner vage de ee	MILS	OZ/SF	E-2	I-2	I-1	MICS	OZ/SF	G-1	E-3	C-1	HILS	OZ/SF
	24-5A	4.2	3.5	4.2		3.97	2.33	3.8	3.0	3.2	3.33	1.96	3.5	4.0	4.0	3.83	2.25
	.B C	4.6 4.0	4.8 3.7	4.1 4.2		4.50 3.97	2.65 2.33	3.8	4.0 2.5	3.2 3.3	3.67 2.90	2.16 1.71	4.0 4.0	4.0	4.0 3.5	4.00 3.83	2.35
	D	4.2	3.7	3.7		3.87	2.27	3.7	2.5	3.2	3.13	1.84	4.0	4.0	4.0	4.00	2.35
	E Avg. Mils	3.9 4.18	3.5	3.8 4.00		3.73 4.01	2.20	2.7 3.38	2.5	2.4 3.06	2.53 3.11	1.49	3.5	3.5	3.5 3.80	3.50	2.06
	Avg. MIIS		2.26	2.35		1.51	2.36	1.99	1.71	1.80	3:11	1.83	2.24	2.29	2.24	3.83	2.25
		-															
	25 <b>-</b> 1A	INF	INF	INF		INF	(3+)	2.6	4.0	4.4	3.67	2.16	4.0	4.5	3.5	4.00	2.35
1	B C	INF INF	INF INF	INF INF		INF INF	(3+)	4.8 5.2	4.0 4.2	5.2 6.1	4.67 5.17	2.74 3.04	5.0 6.0	5.0 5.5	5.0 5.5	5.00 5.67	2.94
	D	INF	3.4	3.2	,	(3.30)	(1.94)	1.6	1.8	2.7	2.03	1.20	2.8	3.0	2.5	2.77	1.63
	E Avg. Mils	INF INF	3.0	3.0 (3.10)		(3.00) (3.15)	(1.76)	2.0 3.24	2.0 3.20	3.2 4.32	2.40 3.59	1.41	3.0 4.16	3.0 4.20	3.0	3.00 4.09	1.76
44-	Avg. MIIS Avg.OZ/SF			(1.82)		(3.13)	(1.85)	1.91	1.88	2.54	3.39	2.11	2.45	2.47	2.29	4.09	2.40
	25-2A	INF	INF	INF		INF	(3+)	4.5	4.0	5.4	4.63	2.73	4.5	5.5	4.5	4.83.	2.84
	B C	INF	INF INF	INF INF	:	INF INF	(3+)	4.2 5.2	3.5 5.0	7.4 5.8	5.03 5.33	2.96 3.14	4.5 6.0	5.0 5.0	5.0 5.0	4.83 5.33	2.84
	D	4.0	3.2	-3.2		3.47	2.04	1.8	2.0	3.7	2.50	1.47	3.0	3.0	3.0	3.00	1.76
	E Avg. Mils	3.4 (3.70)	(3.10)	(3.15)		3.17 (3.32)	1.86	2.0 3.54	2.0 3.30	3.7 5.20	2.57 4.01	1.51	3.0 4.20	3.0 4.30	3.0 4.10	3.00 4.20	1.76
	Avg. MIIS Avg.OZ/SF			(1.85)		(3.32)	(1.95)	2.08	1.94	3.06	4.01	2.36	2.47	2.53	2.41	4.20	2.47
	25 <b>-</b> 3A	INF	5.0	5.0		(3.33)		5.0	5.0	5.4	5:13	3.02	5.0	5.0	4.0	4.67	2.74
	B C	INF 4.6	INF INF	INF INF		INF (4.60)	( 3+ ) (2.71)	5.0 5.0	5.0 4.0	5.0 6.0	5.00 5.00	2.94 2.94	7.0 5.5	5.0 4.5	5.5 4.0	5.83 4.67	3.43 2.74
	D	3.8	3.1	3.3		3.40	2.00	1.7	2.0	2.4	2.03	1.20	3.0	3.5	3.0	3.17	1.86
	E Avg. Mils	3.3 (3.90)	(3.57)	(3.83)		3.03 (3.77)	1.78	2.5 3.84	2.0 3.60	2.2 4.20	2.23	1.31	3.0 4.70	3.0 4.20	3.0	3.00 4.27	1.76
	Avg. PILIS Avg.OZ/SF			(2.25)		3.77	(2.21)	2.26	2.12	2.47	3.00	2.28	2.76	2.47	2.29	7.27	2.51
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PLE .			EL.CO	METER		<b>.</b>		М	IKROTES	Ţ						
	OPTR	OPTR	OPTR	OPTR	AVG	ΛVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
TION	E-3	I-1	C-1	cunctura san cur c	MILS	0Z/SF	E-2	I-2	I-1	MICS	OZ/SF	G-1	E-3	C-1	MILS	OZ/SF
					(4.95) INF INF 3.63 3.00 (3.68)	(2.91) (3+) (3+) 2.14 1.76	4.3 2.1 4.8 2.5 2.0 3.14 1.85	4.5 3.0 4.6 4.0 3.0 3.82 2.25	5.3 5.0 4.8 4.3 4.2 4.72 2.78	4.70 3.37 4.73 3.60 3.07 3.89	2.76 1.98 2.78 2.12 1.80	6.0 5.0 4.5 3.5 3.0 4.40 2.59	5.0 4.5 5.0 3.5 3.5 4.30 2.53	5.0 3.0 4.0 3.0 3.0 3.60 2.12	5.33 4.17 4.50 3.33 3.17 4.10	3.14 2.45 2.65 1.96 1.86
A B C D E Mils OZ/SF	INF INF 3.5 3.8 3.6 (3.63) (2.14)				INF INF 3.33 3.50 3.57 (3.47)	(3+) (3+) 1.96 2.06 2.10	7.0 4.8 1.7 3.0 2.8 3.86 2.27	4.5 4.0 3.0 2.8 2.5 3.36 1.98	7.2 5.4 3.7 3.8 4.0 4.82 2.84			6.0 5.5 3.0 3.0 3.5 4.20 2.47	6.0 4.0 3.0 3.5 3.5 4.00 2.35	5.5 4.0 2.0 3.5 3.5 3.70 2.18	5.83 4.50 2.67 3.33 3.50 3.97	3.43 2.65 1.57 1.96 2.06
.A B C D E Mils OZ/SF	4.6 5.0 4.9 4.2 4.8 4.70 2.76				4.57 (5.00) (4.85) 4.33 4.80 (4.65)	2.69 (2.94) (2.85) 2.55 2.82	5.4 4.0 5.7 3.7 5.2 4.80 2.82	3.0 2.0 2.0 3.0 3.0 2.60 1.53	5.8 5.7 3.7 3.7 4.0 4.58 2.69	4.73 3.90 3.80 3.47 4.07 3.99	2.78 2.29 2.24 2.04 2.39	4.5 4.5 5.0 4.0 5.0 4.60 2.71	4.5 4.0 4.0 3.5 4.0 4.00 2.35	4.5 4.0 3.0 3.5 4.0 3.80 2.24	4.50 4.17 4.00 3.67 4.33 4.13	2.65 2.45 2.35 2.16 2.55
A B C D E Mils OZ/SF	4.0 4.2 4.4 4.4 4.2 4.24 2.49				4.10 4.20 4.17 4.33 (4.40) (4.22)	2.41 2.47 2.45 2.55 (2.59)	3.6 3.5 3.4 4.1 3.2 3.56 2.09	2.0 3.0 2.0 2.0 2.5 2.30 1.35	4.9 2.9 3.4 3.8 4.8 3.96 2.33	3.30	1.94	4.0 5.0 4.5 5.0 5.0 4.70 2.76	3.5 3.5 3.5 3.5 4.0 3.60 2.12	3.5 3.5 3.5 3.5 4.0 3.60 2.12	3.67 4.00 3.83 4.00 4.33 3.97	2.16 2.35 2.25 2.35 2.55
	TION  A B C D E Mils OZ/SF   TION E-3  AA 5.0 B INF C INF D 4.4 E 3.0 Mils (4.13) OZ/SF (2.43)  AA INF B INF C 3.5 D 3.8 E 3.6 Mils (3.63) OZ/SF (2.14)  AA 4.6 B 5.0 C 4.9 D 4.2 E 4.8 Mils 4.70 OZ/SF 2.76  AA 4.0 B 4.2 C 4.4 D 4.4 E 4.2 Mils 4.24	TION E-3 I-1  AA 5.0 4.9 B INF INF C INF INF D 4.4 3.3 E 3.0 2.6 Mils (4.13) (3.60) OZ/SF (2.43) (2.12)  AA INF INF C 3.5 3.4 D 3.8 3.3 E 3.6 3.8 Mils (3.63) (3.50) OZ/SF (2.14) (2.06)  AA 4.6 5.0 B 5.0 INF C 4.9 INF C 4.9 INF D 4.2 4.2 E 4.8 4.8 Mils 4.70 (4.67) OZ/SF 2.76 (2.74)  AA 4.0 3.9 B 4.2 4.2 C 4.4 4.0 D 4.4 4.2 E 4.2 INF Mils 4.24 (4.08)	OPTR OPTR OPTR TION E-3 I-1 C-1  A 5.0 4.9 INF B INF INF INF INF C INF INF INF C 3.0 2.6 3.4  Mils (4.13) (3.60) (3.30) (2.43) (2.12) (1.94)  A INF INF INF B INF INF INF C 3.5 3.4 3.1 D 3.8 3.3 3.4 E 3.6 3.8 3.3  Mils (3.63) (3.50) (3.27) OZ/SF (2.14) (2.06) (1.92)  A 4.6 5.0 4.1 B 5.0 INF INF C 4.9 INF 4.8 D 4.2 4.2 4.6 E 4.8 4.8 4.8  Mils OZ/SF 2.76 (2.74) (2.69)  A 4.0 3.9 4.4 E 4.2 INF 4.6  Mils 4.24 (4.08) 4.34	TION E-3 I-1 C-1  AA 5.0 4.9 INF INF INF INF C INF INF INF D 4.4 3.3 3.2 E 3.0 2.6 3.4  Mils (4.13) (3.60) (3.30) OZ/SF (2.43) (2.12) (1.94)  AA INF INF INF C 3.5 3.4 3.1 D 3.8 3.3 3.4 E 3.6 3.8 3.3  Mils (3.63) (3.50) (3.27) OZ/SF (2.14) (2.06) (1.92)  AA 4.6 5.0 4.1 B 5.0 INF INF C 4.9 INF 4.8 D 4.2 4.2 4.6 E 4.8 4.8 4.8  Mils OZ/SF 2.76 (2.74) (2.69)  AA 4.0 3.9 4.4 B 4.70 (4.67) (4.58) OZ/SF 2.76 (2.74) (2.69)  AA 4.0 3.9 4.4 B 4.2 4.2 4.6 E 4.4 4.0 4.1 D 4.4 4.2 4.4 E 4.2 INF 4.6 Mils 4.24 (4.08) 4.34	TION E-3 I-1 C-1 MILS  AA 5.0 4.9 INF	TION E-3 I-1 C-1 MILS 0Z/SF  AA 5.0 4.9 INF INF INF INF (3+) C INF INF INF INF INF (3+) D 4.4 3.3 3.2 3.63 2.14 S 3.0 2.6 3.4 3.00 1.76 MILS 0Z/SF  AA INF INF INF INF INF INF (3+) B INF	TION E-3 I-1 C-1 OPTR MILS OZ/SF E-2  AA 5.0 4.9 INF INF INF INF (3+) 2.1 C INF INF INF INF (3+) 4.8 D 4.4 3.3 3.2 E 3.0 2.6 3.4 3.00 1.76 2.0 Mils (2.43) (2.12) (1.94)  AA INF INF INF INF INF (3+) 4.8 C 3.5 3.4 3.1 3.33 1.96 1.7 D 3.8 3.3 3.4 3.1 3.50 2.06 SE 3.6 3.8 3.3 Mils (3.63) (3.50) (3.27) OZ/SF (2.14) (2.06) (1.92)  AA 4.6 5.0 4.1 4.57 2.69 5.4 B 5.0 INF INF INF (5.00) (2.94) 4.0 C 4.9 INF 4.8 (4.85) (2.85) 5.7 D 4.2 4.2 4.6 4.8 4.8 4.8 4.8 4.8 Mils OZ/SF 2.76 (2.74) (2.69)  AA 4.0 3.9 4.4 4.8 4.8 4.8 4.8 Mils OZ/SF 2.76 (2.74) (2.69)  AA 4.0 3.9 4.4 4.0 4.1 4.17 2.45 3.4 A 4.0 3.9 4.4 4.2 4.2 4.2 A 4.0 4.1 4.17 2.45 3.4 B 4.2 4.2 4.2 4.2 A 4.33 2.55 4.1 B 4.2 4.2 4.4 4.4 A 4.33 2.55 3.4 B 4.2 4.2 4.2 4.4 A 4.0 4.1 4.17 2.45 3.4 B 4.2 4.2 4.4 4.4 A 4.33 2.55 4.1 B 4.2 4.2 4.4 4.4 A 4.33 2.55 3.7 A 4.4 4.0 4.1 4.17 2.45 3.4 A 4.6 5.0 4.1 4.17 2.45 3.4 A 4.0 3.9 4.4 4.2 4.4 A 4.33 2.55 4.1 B 4.2 4.2 4.2 4.4 A 4.33 2.55 3.7 A 4.4 4.2 4.4 A 4.33 2.55 3.4 A 4.6 5.0 4.1 4.17 2.45 3.4 A 4.0 4.1 4.17 2.45 3.4 A 4.2 4.2 4.4 4.4 A 4.33 2.55 4.1 B 4.2 4.2 INF 4.6 4.40 (2.25) 3.2 B 5.6 INF INF 4.6 4.40 (2.25) 3.56	TION E-3	TION E-3 I-1 C-1 OPTR OPTR OPTR MILS OZ/SF E-2 I-2 I-1  AA 5.0 4.9 INF INF INF INF INF INF INF (3+) 4.8 4.6 4.8 D 4.4 3.3 3.2 3.63 2.14 2.5 4.0 4.3 B 3.0 2.6 3.4 3.00 1.76 2.0 3.0 4.2  MILS OZ/SF (2.43) (2.12) (1.94) (2.16) 1.85 2.25 2.78  AA INF INF INF INF INF INF INF (3+) 4.8 4.0 5.4 C 3.5 3.4 3.1 3.33 1.96 1.7 3.0 3.7 D 3.8 3.3 3.4 3.1 3.33 1.96 1.7 3.0 3.7 D 3.8 3.3 3.4 3.50 2.06 3.0 2.8 3.8 E 3.6 3.8 3.3 3.4 3.50 2.06 3.0 2.8 3.8 E 3.6 3.8 3.3 3.4 3.50 2.06 3.0 2.8 3.8 E 3.6 3.8 3.3 3.4 3.50 2.06 3.0 2.8 2.5 4.0  Mils (3.63) (3.50) (3.27) (3.47) 3.86 3.36 4.82  OZ/SF (2.14) (2.06) (1.92) (2.04) 4.0 2.0 5.7  C 4.9 INF INF (5.00) (2.94) 4.0 2.0 5.7 C 4.9 INF 4.8 (4.85) (2.85) 5.7 2.0 3.7 D 4.2 4.2 4.6 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8 4.8	OPTR	OPTR	PLE   OPTR   OPTR   OPTR   OPTR   AVG   AVG   OPTR   OPT	PLE   STROMETER   STROMETER   STROMETER   TION   COPTR   OPTR   O	PLE	TION   Color   Optr   Opt   Optr   Op	

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TINSLEY MIKROTEST SAMPLE **ELCOMETER** AVG OPTR AVG AVG OPTR AVG OPTR AVG AVG OPTR OPTR OPTR OPTR OPTR OPTR OPTR OZ/SF MILS MILS OZ/SF MILS OZ/SF LOCATION E-3I-1 C-1E-2I-2 T-1G-1 E-3C-126-3A 4.0 4.1 4.5 4.20 2.47 3.5 2.0 3.4 2.97 1.74 4.0 3.5 3.5 3.67 2.16 B 4.6 4.5 INF (4.55)(2.68)4.5 2.0 3.5 3.33 | 1.96 4.0 3.5 3.5 2.16 3.67 C 4.2 4.2 (2.47)INF (4.20)3.4 2.0 3.2 2.87 | 1.69 4.5 3.5 4.0 4.00 2.35 D 4.2 4.2 4.2 4.20 2.47 2.8 2.0 4.2 3.00 | 1.76 5.0 4.0 3.5 4.17 2.45 E 4.5 5.0 3.7 INF (4.75) (2.79)3.8 2.0 3.17 | 1.86 5.0 4.0 4.0 4.33 2.55 4.30 Avg. Mils 4.40 (4.35) (4.35)3.60 2.00 3.60 3.07 4.50 3.70 3.70 3.97 Avg.OZ/SF 2.53 2.59(2.56)(2.56)2.12 1.18 2.12 1.80 2.65 2.18 2.18 2.33 26-4A 4.6 INF (4.60) (2.71)2.5 INF 5.0 4.07 2.39 5.0 4.7 4.5 4.0 4.50 2.65 4.8 В INF INF (4.80) (2.82)4.8 2.0 3.8 3.53 2.08 4.5 4.5 3.5 2.45 4.17 C INF (3+)2.5 . INF INF INF 4.5 4.9 3.97 | 2.33 5.0 5.0 4.0 4.67 2.74 4.6 D 5.0 INF (4.80) (2.82)4.0 2.5 4.6 3.70 2.18 4.5 5.0 4.5 2.74 4.67 E 4.8 INF (4.80) (2.82)INF 4.3 3.0 4.1 3.80 2.24 5.0 4.5 3.5 4.33 2.55 Avg. Mils (4.70) (5.00)INF (4.85)4.52 2.50 4.42 3.81 4.80 4.70 3.90 4.47 Avg. 0Z/SF (2.76) (2.94)(3+)(2.85)2.66 1.47 2.60 2.24 2.82 2.76 2.63 2.29 26-5A 5.0 (4.60) (2.71)INF 4.2 5.2 3.0 4.1 4.10 | 2.41 4.5 3.5 3.5 3.83 2.25 В INF INF INF INF (3+) 4.5 3.0 4.9 4.13 | 2.43 5.5 5.5 4.0 5.00 2.94 INF C INF INF INF (3+)4.5 3.0 3.9 3.80 2.24 5.0 4.33 4.0 4.0 2.55 D 4.4 INF 4.8 (4.60) (2.71)3.0 4.2 3.83 2.25 5.0 4.5 4.3 4.0 4.50 2.65 4.3 4.5 4.6 (4.47) (2.63)3.2 2.5 4.2 3.30 1.94 3.83 4.0 4.0 3.5 2.25 Avg. Mils (4.57)(4.50)(4.53)(4.53)4.34 2.90 4.26 3.83 4.80 4.30 3.80 4.30 Avg.OZ/SF (2.69) (2.67)2.25 (2.65)(2.67)2.55 1.71 2.51 2.82 2.53 2.24 2.53

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NR

2.8

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Avg. Mils (3.08)

Avg. OZ/SF (1.81)

3.8

3.68

2.16

4.0

2.7

2.5

2.94

1.73

TINSLEY MIKROTEST ELCOMETER SAMPLE AVG OPTR OPTR AVG AVG OPTR OPTR OPTR AVG OPTR AVG AVG OPTR OPTR OPTR OPTR MILS 07./SF OZ/SF MILS OZ/SF LOCATION E-3MILS I-4 I-1E-3E-1I-1G-1I-1 E-336-1A 3.4 3.9 3.4 3.57 2.10 1.3 0.6 0.6 0.83 0.49 3.5 3.5 3.5 3.50 2.06 3.0 2.9 В 3.8 3.23 1.90 1.3 0.7 0.9 0.97 | 0.57 3.5 3.5 3.5 3.50 2.06 FLANGE E U D E 3.6 3.9 3.5 3.67 2.3 2.16 1.2 0.8 1.43 0.84 3.5 4.0 3.5 3.67 2.16 3.5 4.0 4.0 3.83 2.25 1.5 0.7 0.1 0.77 0.45 3.5 3.5 3.50 3.5 2.06 3.0 3.8 2.9 3.23 3.0 1.90 1.8 0.2 0.1 0.70 0.41 3.0 3.3 3.10 1.82 Avg. Mils 3.30 3.88 3.34 3.51 1.64 0.68 0.50 0.94 3.40 3.50 3.46 3.45 Avg. OZ/SF 1.94 2.06 2.28 | 1.96 0.96 0.40 0.29 0.55 2.00 2.06 2.04 2.03 36-1A 2.4 3.4 2.8 2.87 1.69 2.7 1.4 1.3 1.80 | 1.06 4.0 4.00 2.35 4.0 4.0 2.6 3.6 3.7 3.30 1.94 2.0 2.0 2.5 2.17 | 1.27 2.45 В 4.0 4.0 4.5 4.17 C 3.4 4.0 3.3 3.57 2.10 3.5 1.7 1.8 2.33 | 1.37 4.5 4.5 4.0 4.33 2.55 WEB 3.2 3.0 2.0 2.20 1.29 4:0 4.0 3.40 2.00 2.5 2.1 4.5 4.5 4.33 2.55 2.4 3.8 3.3 3.17 1.86 1.7 1.9 2.0 1.87 | 1.10 4.5 4.5 4.33 2.55 4.0 Avg. Mils 2.80 3.76 3.22 3.26 2.48 1.82 1.92 2.07 4.20 4.30 4.20 4.23 Avg.OZ/SF 1.65 1.92 1.22 2.47 2.53 2.49 2.21 1.89 1.46 1.07 1.13 2.47 3.2 3.5 36-2A 3.4 3.2 3.27 3.5 2.12 1.92 1.4 0.7 0.5  $0.87 \mid 0.51$ 3.8 3.60 3.2 В 3.2 3.8 3.0 3.33 1.96 0.8 0.2 0.5  $0.50 \mid 0.29$ 3.5 3.5 3.40 2.00 FLANGE E U O B 3.5 3.4 4.0 3.1 3.50 2.06 1.2 1.0 1.23 0.73 4.0 4.0 3.83 2.25 1.5 3.5 4.2 3.7 3.80 3.5 4.0 3.8 3.77 2.22 2.24 1.4 1.0 1.0 1.13 0.67 3.3 3.6 4.0 3.3 3.63 2.14 1.3 1.0 1.8 1.37 | 0.80 4.0 4.0 3.77 2.22 Avg. Mils 3.38 3.26 3.51 1.28 0.96 1.02 3.40 3.80 3.82 3.67 3.88 0.82 2.16 Avg. OZ/SF 1.99 2.28 1.92 2.06 0.75 0.48 0.56 0.60 2.00 2.24 2.25 36-2A 2.6 3.2 2.8 2.87 3.3 1.3 0.8 1.80 | 1.06 3.5 4.0 4.3 3.93 2.31 1.69 2.22 В 3.5 3.6 3.4 3.50 2.06 3.0 3.4 1.8 2.73 | 1.61 3.8 3.5 4.0 3.77 3.5 3.8 3.77 2.22 3.4 3.8 3.3 3.50 1.5 1.0 1.87 | 1.10 4.0 C 2.06 3.1 D 4.0 4.0 3.8 3.93 2.31

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4.0

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3.60

3.84 3.80

3.3

2.26

2.12

2.24

(3.25) (1.91) 2.7

1.82

(1.90) 1.69

2.3

2.88

3.10

(3.23)

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-	SAMPLE .			EL.CO	METER				M.	KROTES	T	3		. 1	TINSLEY		
	&	OPTR	OPTR	OPTR	OPTR	AVG .	ΛVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
	LOCATION	E-3	I-4	I-1	with the state of the	MILS	OZ/SF	E-1	I-1	E-3	MILS	OZ/SF	G-1	I-1	E-3	MILS	OZ/SF
	36-3A  B C C D E Avg. Mils Avg. OZ/SF	3.3 3.4 3.1 3.5 3.4 3.34 1.96	3.9 3.8 3.6 4.1 4.0 3.88 2.28	3.5 3.1 2.8 3.3 2.9 3.12 1.84		3.57 3.43 3.17 3.63 3.43 3.45	2.10 2.02 1.86 2.14 2.02	1.9 0.8 1.3 1.8 2.0	0.8 1.3 0.9 3.2 3.2 1.88 1.11	0.8 0.6 1.0 1.0 0.88 0.52	1.17 0.90 1.07 2.00 2.07 1.44	0.69 0.53 0.63 1.18 1.22	3.5 3.4 3.5 3.5 3.5 3.48 2.05	4.5 4.0 4.0 4.0 4.0 4.10 2.41	4.0 3.5 4.0 3.8 3.8 3.82 2.25	4.00 3.63 3.83 3.77 3.77 3.80	2.35 2.14 2.25 2.22 2.22
-48/	36-3A  B C E D E Avg. Mils Avg.OZ/SF	3.2 3.4 3.8 3.8 3.5 3.54 2.08	3.8 3.6 4.4 INF 4.2 (4.00) (2.35)	3.5 3.1 3.6 3.6 3.5 3.46 2.04		3.50 3.37 3.93 (3.70) 3.73 (3.67)	2.06 1.98 2.31 (2.18) 2.20 (2.16)	3.0 3.1 2.7 3.3 2.7 2.96 1.74	4.0 4.2 1.5 1.5 0.9 2.42 1.42	3.0 3.0 1.8 1.6 1.0 2.08 1.22		1.96 2.02 1.18 1.25 0.90	4.5 4.5 4.5 4.5 3.5 4.30 2.53	5.0 4.5 4.5 4.0 4.0 4.40 2.59	5.5 5.0 4.6 4.3 3.8 4.64 2.73	5.00 4.67 4.53 4.27 3.77 4.45	2.94 2.74 2.67 2.51 2.22
	36-4A  B  C  D  E  Avg. Mils  Avg.OZ/SF	3.1 3.1 3.1 3.3 3.6 3.24 1.91	3.6 3.4 3.8 3.8 4.8 3.88 2.28	2.9 3.1 2.9 2.7 3.4 3.00 1.76		3.20 3.20 3.27 3.27 3.93 3.37	1.88 1.88 1.92 1.92 2.31	1.4 1.8 2.1 2.1 2.1 1.90 1.12	1.5 2.2 3.0 3.2 3.3 2.64 1.55	0.1 0.5 0.7 1.0 1.0 0.66 0.39	1.00 1.50 1.93 2.10 2.13 1.73	0.59 0.88 1.14 1.24 1.25	3.5 3.5 3.5 3.5 3.5 2.06	3.5 3.5 3.5 4.0 4.0 3.70 2.18	3.5 3.8 3.8 3.8 4.0 3.78 2.22	3.50 3.60 3.60 3.77 3.83 3.66	2.06 2.12 2.12 2.22 2.25 2.15
	36-4A  B C D E Avg. Mils Avg.OZ/SF	3.6 3.2 3.8 3.6 2.8 3.40 2.00	4.0 3.6 4.2 4.0 3.4 3.84 2.26	3.0 2.9 3.7 3.5 2.5 3.12 1.84		3.53 3.23 3.90 3.70 2.90 3.45	2.08 1.90 2.29 2.18 1.71	2.0 1.6 1.4 1.5 1.9 1.68 0.99	2.2 2.0 2.2 2.2 2.5 2.22 1.31	1.5 1.5 2.0 1.0 0.5 1.30 0.76	1.70 1.87 1.57	1.12 1.00 1.10 0.92 0.96	3.5 3.5 3.5 4.0 3.5 3.60 2.12	4.0 4.0 4.0 4.0 3.5 3.90 2.29	4.0 3.8 4.0 4.0 3.5 3.86 2.27	3.83 3.77 3.83 4.00 3.50 3.79	2.25 2.22 2.25 2.35 2.06

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PROJECT: 3-08-69-014 PAGE 20

SAMPLE .		*******	ELCO	METER				М	IKROTES	T				TINSLEY		
& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPT <b>R</b>	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	E-3	I <b>-</b> 4	I-1		MILS	OZ/SF	E-1	I-1	E-3	MILS	OZ/SF	G-1	I-1	E-3	MILS	OZ/SF
36 <b>-</b> 5A	3.2	3.8	2.8		3.27	1.92	2.3	2.2	0.7	1.73	1.02	3.5	3.5	4.0	3.67	2.16
GE C	3.3	3.6 4.0	3.0 3.4		3.30 3.60	1.94 2.12	2.4	3.2 2.9	1.0 1.0	2.20 2.10	1.29 1.24	3.5 3.5	3.5 4.0	4.3 4.5	3.77 4.00	2.22 2.35
FLANGE E U O E	3.2 3.5	3.8 4.2	3.3	ŀ	3.43 3.67	2.02	1.8 1.9	2.3	1.0 1.3	1.70 1.80	1.00	3.5	4.0	4.0	3.83	2.25
Avg. Mils	3.32	3.88	3.16		3.45		2.16	2.56	1.00	1.91	1.06	3.5 3.50	4.5 3.90	4.0 4.16	4.00 3.85	2.35
Avg.OZ/SF	1.95	2.28	1.86			2.03	1.27	1.51	0.59		1.12	2.06	2.29	2.45		2.27
26.51		2 /	_			0	,									
36-5A B	3.0 3.0	3.4 3.4	2.7 2.7		3.03 3.03	1.78 1.78	2.2 1.7	1.7 0.9	1.5 0.5	1.80 1.03	1.06 0.61	3.3 3.5	4.0 3.5	3.8 3.5	3.70 3.50	2.18 2.06
WEB C O	3.0 3.1	3.6 3.2	2.9 2.9		3.17 3.07	1.86 1.80	2.7 3.0	1.2 1.9	0.5 0.8	1.47 1.90	0.86 1.12	3.5 3.5	4.0 4.0	3.5 4. <b>0</b>	3.67 3.80	2.16
E	3.6	3.6	3.2		3.47	2.04	2.9	0.7	0.4	1.33	0.78	3.5	4.0	3.3	3.60	2.24
Avg. Mils Avg.OZ/SF	3.14 1.85	3.44 2. <b>0</b> 2	2.88 1.69		3.15	1.85	2.50 1.47	1.28 0.75	0.74	1.51	0.89	3.46 2.04	3.90 2.29	3.62 2.13	3.66	2.15
											0.02		2,2,	2.13		
37-1A	3.6	3.2	3.1		3.30	1.94	2.3	2.2	1.1	1.87	1.10	3.5	4.0	4.0	3.83	2.25
AGE C W	3.5 3.5	3.4 4.0	3.2		3.37 3.67	1.98 2.16	2.0 1.9	1.6 1.8	1.0	1.53 1.93	0.90 1.14	3.2	3.5 4.0	3.5 3.5	3.40 3.70	2.00 2.18
Y D	3.8	4.2	3.3		3.77	2.22	1.7	2.2	1.5	1.80	1.06	3.2	4.0	4.0	3.73	2.20
Avg. Mils	3.5 3.58	3.4	2.9	<u> </u>	3.27	1.92	3.6 2.30	3.4	2.0 1.54	3.00	1.76	3.5	4.5 4.00	4.0 3.80	4.00 3.73	2.35
Avg.OZ/SF	2.11	2.14	1.88			2.04	1.35	1.32	0.91		1.19	2.00	2.35	2.24		2.20
37-1A B	3.4 3.0	3.2	3.0		3.20 2.97	1.88 1.74	3.2 3.6	3.5	3.2 2.5	3.30 2.77	1.94 1.63	3.3	3.5 3.0	4.0 3.8	3.60 3.33	2.12 1.96
1 ~	3.7	3.4	3.5		3.53	2.08	3.6	2.7	2.5	2.93	1.73	3.5	3.5	3.8	3.60	2.12
WEB G D	3.4 3.4	3.2 3.4	3.6 3.0		3.40 3.27	2.00 1.92	3.5 2.9	3.3 3.5	3.0 2.2	3.27 2.87	1.92 1.69	3.3 3.5	3.5 3.5	3.8 4.0	3.53 3.67	2.08 2.16
Avg. Mils Avg.OZ/SF	3.38 1.99	3.24 1.91	3.20 1.88		3.27	1.93	3.36 1.98	3.04 1.79	2.68 1.58	3.03	1.78	3.36 1.98	3.40 2.00	3.88 2.28	3.55	2.09
AVE.UZ/ DF	1.77	1.71	1.00			1.73	1.90	1.13	1.00			1.90	2.00	2.20		2.09
			,	<b>.</b>	ı		4				ļ					

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PROJECT: 3-08-69-014

SAMPLE			ELCO	METER				M.	IKROTES	· · · · · · · · · · · · · · · · · · ·			7	INSLEY		
& . LOCATION	OPTR E-3	OPTR I-4	OPTR I-1	OPTR	AVG MILS	AVG OZ/SF	OPTR E-1	OPTR I-1	OPTR E-3	AVG MIĽS	AVG OZ/SF	OPTR G-1	OPTR I-1	OPTR E-3	AVG MIĹS	AVG OZ/ <b>S</b> F
37-2A B SO C D E Avg. Mils Avg.OZ/SF	3.0 3.6 3.4 3.3 3.6 3.38 1.99	3.2 3.6 3.8 3.2 3.2 3.40 2.00	2.5 2.9 3.2 2.8 3.0 2.88 1.69		2.90 3.37 3.47 3.10 3.27 3.22	1.71 1.98 2.04 1.82 1.92	3.0 2.3 1.8 1.7 2.3 2.22 1.31	2.1 2.1 3.0 2.1 2.8 2.42 1.42	1.0 1.4 1.1 1.0 2.1 1.32 0.78	2.03 1.93 1.97 1.60 2.40 1.99	1.20 1.14 1.16 0.94 1.41	3.0 3.6 3.3 3.5 3.5 3.8 1.99	4.0 3.0 3.5 3.0 4.0 3.50 2.06	3.3 3.2 3.0 3.0 3.5 3.20 1.88	3.43 3.27 3.27 3.17 3.67 3.36	2.02 1.92 1.92 1.86 2.16
37-2A  B C D E Avg. Mils Avg.OZ/SF	3.0 2.9 2.9 2.6 3.0 2.88 1.69	3.2 2.6 2.6 2.8 3.0 2.84 1.67	2.5 2.5 2.5 2.5 2.7 2.54 1.49		2.90 2.67 2.67 2.63 2.90 2.75	1.71 1.57 1.57 1.55 1.71	3.0 2.6 1.8 1.7 1.8 2.18 1.28	1.2 2.0 1.1 2.0 1.1 1.48 0.87	2.4 1.8 1.8 2.2 1.8 2.00 1.18	2.20 2.13 1.57 1.97 1.57	1.29 1.25 0.92 1.16 0.92	3.5 3.0 3.0 3.0 3.0 3.10 1.82	3.0 3.0 3.0 3.0 3.0 3.0 1.76	3.0 3.0 3.0 2.8 3.0 2.96 1.74	3.17 3.00 3.00 2.93 3.00 3.02	1.86 1.76 1.76 1.73 1.76
37-3A  B  C  VI  D  E  Avg. Mils  Avg.OZ/SF	3.5 3.3 3.6 3.6 3.1 3.42 2.01	3.8 4.0 3.6 3.6 3.4 3.68 2.16	2.8 2.9 3.4 2.9 3.2 3.04 1.79		3.37 3.40 3.53 3.37 3.23 3.38	1.98 2.00 2.08 1.98 1.90	2.0 2.5 2.6 1.4 1.3 1.96 1.15	1.8 2.8 2.4 1.7 2.8 2.30 1.35	0.8 1.6 1.5 0.9 1.1 1.18 0.69	1.53 2.30 2.17 1.33 1.73	0.90 1.35 1.27 0.78 1.02	3.3 4.0 3.3 3.5 3.5 2.07	3.5 4.0 3.5 4.0 3.5 3.70 2.18	3.0 3.5 4.0 3.0 3.5 3.40 2.00	3.27 3.83 3.60 3.50 3.50 3.54	1.92 2.25 2.12 2.06 2.06
37-3A  B  C  D  E  Avg. Mils  Avg.OZ/SF	3.0 3.0 3.5 3.5 2.8 3.16 1.86	3.0 2.8 4.6 4.0 3.0 3.48 2.05	3.0 2.6 2.9 3.1 2.7 2.86 1.68		3.00 2.80 3.67 3.53 2.83 3.17	1.76 1.65 2.16 2.08 1.67	3.0 2.1 2.3 2.8 2.0 2.44 1.44	1.3 1.2 1.4 3.6 1.8 1.86	1.9 1.8 2.4 3.0 2.0 2.22 1.31	2.07 1.70 2.03 3.13 1.93 2.17	1.22 1.00 1.20 1.84 1.14	3.3 3.5 4.0 4.5 3.5 3.76 2.21	3.5 3.0 3.5 4.0 3.0 3.40 2.00	3.0 3.0 2.8 3.5 3.3 3.12 1.84	3.27 3.17 3.43 4.00 3.27 3.43	1.92 1.86 2.02 2.35 1.92

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## TABLE II MAGNETIC GAGE MEASUREMENTS

PROJECT: 3-08-69-014

SAMPLE .			ELCO	METER				M.	KROTES	Τ			7	INSLEY	escado estáblicado en entra	
& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	E-3	I-4	I-1		MILS	OZ/SF	E-1	I-1	E-3	MICS	OZ/SF	G-1	I-1	E-3	MILS	OZ/SF
37-4A	3.6	3.8	3.6		3.67	2.16	2.5	2.7	1.6	2.27	1.33	3.5	3.5	4.0	3.67	2.16
B 35 C	3.1 3.7	3.6 4.0	3.3		3.33 3.37	1.96 1.98	1.5 2.6	2.4 3.1	1.5 3.1	1.80 2.93	1.06 1.73	4.0 4.0	3.5 4.5	3.5 3.8	3.67 4.10	2.16 2.41
FLANGE E C O t	3.6 3.4	4.0 4.0	3.3	:	3.63 3.57	2.14 2.10	2.5 3.1	2.3 3.0	1.9 2.1	2.23 2.73	1.31	3.5	3.5 3.5	3.7	3.57	2.10
Avg. Mils	3.48	3.88	3.30		3.55		2.44	2.70	2.04	2.73	1.61	3.5 3.70	3.70	4.0 3.80	3.67	2.16
Avg.OZ/SF	2.05	2.28	1.94			2.09	1.44	1.59	1.20		1.41	2.18	2.18	2.24		2.20
					_				_							
37-4A B	3.0 3.3	3.6 3.4	2.9		3.17 3.47	1.86 2.04	3.4	2.1 2.6	3.0 2.4	2.83 2.67	1.67 1.57	4.0 4.0	3.5 4.0	3.5 3.5	3.67 3.83	2.16 2.25
D MEB	3.3 3.9	3.2	3.0 3.1		3.17	1.86	3.1 2.8	1.9 3.2	2.5	2.50	1.47	3.0 3.5	3.5 4.0	3.3 3.5	3.27	1.92
.≊I D E	3.2	INF 3.8	2.9		(3.50) 3.30	(2.06) 1.94	2.2	2.8	2.7 1.9	2.90 2.30	1.71 1.35	3.8	3.5	3.3	3.67 3.53	2.16 2.08
Avg. Mils Avg.OZ/SF	3.34 1.96	(3.50) (2.06)	3.12		3.32	1.95	2.90 1.71	2.52 1.48	2.50 1.47	2.64	1.55	3.66 2.15	3.70 2. <b>1</b> 8	3.42 2.01	3.59	2.11
Avg.02/51	1.70	(2.00)	1.04			1.73	1.71	1.70	1.7/		1.33	2.13	2.10	2.01		2.11
37 <b>-</b> 5A	3.7	3.8	3.3	:	3.60	2.12	2.0	3.0	1.8	2.27	1.33	3.5	4.0	3.3	3.60	2.12
B C	3.6 3.6	3.6 4.0	3.1 3.2		3.43 3.60	2.02 2.12	1.7 2.0	3.5 3.2	1.5 2.1	2.23	1.31 1.43	4.0 4.0	4.0 4.0	4.0 3.8	4.00 3.93	2.35 2.31
FLANGE F C O E	3.6	3.8	3.3		3.57	2.10	2.5	3.0	2.1	2.53	1.49	4.5	4.0	4.0	4.17	2.45
E  E Avg. Mils	3.62	4.2 3.88	3.3		3.70 3.58	2.18	2.2	2.8 3.10	$\frac{1.0}{1.70}$	2.00	1.18	4.00	4.00	3.8 3.78	3.93	2.31
Avg.OZ/SF	2.13	2.28	1.91			2.11	1.22	1.82	1.00		1.35	2.35	2.35	2.22		2.31
									·		:					
37 <b>-</b> 5A B	3.6 3.4	3.4 3.4	3.7 2.9		3.57 3.23	2.10 1.90	3.5 2.6	2.0 1.3	3.5 2.0	3.00 1.97	1.76 1.16	4.5 4.5	4.0 3.5	3.8 3.3	4.10 3.77	2.41 2.22
gj c	3.3	3.6	3.3		3.40	2.00	3.0	1.6	3.0	2.53	1.49	3.5	3.5	3.0	3.33	1.96
⊠ D E	3.0 2.8	3.2 3.6	3.1 3.1		3.10 3.17	1.82 1.86	1.8 2.0	1.2 2.1	1.9 2.5	1.63 2.20	0.96 1.29	3.5 4.0	3.0	3.3	3.27 3.33	1.92 1.96
Avg. Mils	3.22	3.44	3.22		3.29	1.93	2.58	1.64	2.58 1.52	2.27	1.33	4.00	3.40 2.00	3.28 1.93	3.56	2.09
Avg.OZ/SF	1.89	2.02	1.89			1.90	1.52	0.96	1.04		1.00	2.33	2,00	1.33		2.09
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PROJECT: 3-08-69-014

SAMPLE			ELCO	METER				М	IKROTES	T				ΓINSLEΥ	**************************************	
& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	E-3	I-4	I-1		MILS	OZ/SF	E-1	I-1	E-3	MICS	OZ/SF	G-1	I-1	E-3	MILS	OZ/SF
38-1A	4.1 4.0	3.2	3.9		3.73 3.87	2.20	1.9	3.1	4.1 3.0	3.03	1.78	4.5	4.5 4.0	4.0	4.33	2.55
B C	4.3	4.0	3.9		4.07	2.27 2.39	1.7 3.2	2.7 4.5	5.0	2.47 4.23	1.45 2.49	5.0 4.5	4.0	4.0 4.0	4.33 4.17	2.55 2.45
FLANGE H U O U	4.0 3.5	4.2 3.4	4.9 3.1		4.37 3.33	2.57 1.96	1.7 2.0	2.8 1.3	3.9	2.80 2.17	1.65 1.27	4.0 4.5	4.0	4.0 3.5	4.00 3.83	2.35
Avg. Mils Avg.OZ/SF	3.98 2.34	3.64 2.14	4.00 2.35		3.87	2.28	2.10 1.24	2.88 1.69	3.84 2.26	2.94	1.73	4.50 2.65	4.00 2.35	3.90 2.29	4.13	2.43
1118.02/31	1		2.33			2.20	1.2	1.07	2.20		1.75	2.03	2.33	2.27		2.40
38 <b>-</b> 1A	3.7	3.6	4.0		3.77	2.22	2.6	2.5	4.1	3.07	1.80	4.5	4.0	4.0	4.17	2.45
B 的 C	3.7 3.8	3.6 3.2	3.5		3.60 3.50	2.12	2.5 2.0	3.2 2.4	3.2 2.7	2.97 2.37	1.74 1.39	4.0 4.0	4.0 3.5	3.8 3.3	3.93 3.60	2.31 2.12
MEB C D E	3.4 3.4	3.8	3.4		3.53 3.43	2.08	1.5 1.7	2.6 1.7	2.1	2.07 1.80	1.22 1.06	4.0 3.5	3.5 3.0	3.5 3.0	3.67 3.17	2.16 1.86
Avg. Mils	3.60	3.56	3.54		3.57		2.06	2.48	2.82	2.45		4.00	3.60	3.52	3.71	
Avg.OZ/SF	2.12	2.09	2.08			2.10	1.21	1.46	1.66		1.44	2.35	2.12	2.07		2.18
38-2A	3.5	3.8	3.4		3.57	2.10	1.7	2.1	3.4	2.40	1.41	4.0	4.5	3.5	4.00	2.35
D	3.6 3.5	4.0 4.0	3.3		3.63 3.57	2.14 2.10	2.2 1.7	2.8	2.6 2.9	2.53	1.49 1.33	4.5 4.0	4.5 4.5	3.5 4.0	4.17 4.17	2.45 2.45
A D	3.3	3.4	3.2		3.30	1.94	1.4	1.5	2.4	1.77	1.04	4.5	3.5	3.5	3.83	2.25
Avg. Mils	3.6 3.50	3.8	3.5		3.63 3.54	2.14	1.0 1.60	1.9 2.10	2.6	1.83 2.16	1.08	4.0 4.20	3.5 4.10	3.3 3.56	3.60 3.95	2.12
Avg.OZ/SF	2.06	2.24	1.95			2.08	0.94	1.24	1.64		1.27	2.47	2.41	2.09		2.32
38-2A	3.4	3.2	3.3		3.30	1.94	1.8	2.4	3.0	2,40	1.41	3.5	3.5	3.5	3.50	2.06
В	3.4	3.4	3.4		3.40	2.00	2.0	2.3	2.6	2.30	1.35	3.3	3.0	3.0	3.10	1.82
MEB D	3.4 3.1	3.2 3.4	3.6 3.0		3.40 3.17	2.00 1.86	2.3 1.8	2.6	1.9 2.5	2.27 2.10	1.33 1.24	3.5 3.5	3.5 3.5	3.0 3.0	3.33 3.33	1.96 1.96
E Avg. Mils	3.5	3.4	3.7		3.53	2.08	1.9 1.96	2.2	2.2	2.10	1.24	3.5 3.46	3.5	3.5	3.50 3.35	2.06
Avg.OZ/SF	1.98	1.95	2.00			1.98	1.15	1.35	1.44		1.31	2.04	2.00	1.88		1.97
					,											
<u>L</u>	<u> </u>	<u> </u>	<u> </u>			<u>l:</u>	<u> </u>	<u>.                                    </u>	l	<u> </u>	<u> </u>	<u> </u>	<u> </u>	L	l	<u> </u>

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PROJECT: 3-08-69-014

SAMPLE			ELCO	METER	SC 1999-2-2-8 4 December 1998-2-8		Control of the Contro	М	IKROTES	T			-	TINSLEY	The state of the s	•
& LOCATION	OPTR E-3	OPTR I-4	OPTR I-1	OPTR	AVG MILS	AVG OZ/SF	OPTR E-1	OPTR I-1	OPTR E-3	AVG MIES	AVG OZ/SF	OPTR G-1	OPTR I-1	OPTR E-3	AVG MILS	AVG OZ/SF
38-3A B C T D E Avg. Mils Avg.OZ/SF	3.9 3.8 4.1 3.6 3.5 3.78 2.22	4.0 3.8 4.4 3.8 4.0 4.00 2.35	4.0 3.0 3.7 3.9 3.5 3.62 2.13		3.97 3.53 4.07 3.77 3.67 3.80	2.33 2.08 2.39 2.22 2.16	1.7 1.4 3.2 1.0 1.2 1.70 1.00	3.6 2.1 2.8 2.7 2.1 2.66 1.56	3.3 3.1 3.0 3.4 4.0 3.36 1.98	2.87 2.20 3.00 2.37 2.43 2.57	1.69 1.29 1.76 1.39 1.43	4.0 4.0 4.0 4.0 4.0 4.00 2.35	4.0 4.0 4.0 3.0 4.0 3.80 2.24	4.0 4.0 4.0 3.5 4.0 3.90 2.29	4.00 4.00 4.00 3.50 4.00 3.90	2.35 2.35 2.35 2.06 2.35
38-3A  B C D E Avg. Mils Avg.OZ/SF	3.4 3.7 3.7 3.6 3.4 3.56 2.09	3.4 3.2 3.2 3.2 3.4 3.28 1.93	3.0 3.6 3.5 3.2 3.0 3.26 1.92		3.27 3.50 3.47 3.33 3.27 3.37	1.92 2.06 2.04 1.96 1.92	3.8 3.8 2.8 2.2 3.3 3.18 1.87	1.5 3.1 2.5 2.0 2.2 2.26 1.33	2.7 2.3 2.6 3.1 2.9 2.72 1.60	2.67 3.07 2.63 2.43 2.80 2.72	1.57 1.80 1.55 1.43 1.65	3.5 3.5 3.5 3.0 4.0 3.50 2.06	4.0 4.0 3.5 3.5 3.5 3.70 2.18	3.0 3.5 3.0 3.0 3.5 3.20 1.88	3.50 3.67 3.33 3.17 3.67 3.47	2.06 2.16 1.96 1.86 2.16
38-4A  B C VIII E Avg. Mils Avg.OZ/SF	4.0 4.2 3.4 3.6 4.0 3.84 2.26	4.6 4.6 3.8 3.8 3.6 4.08 2.40	4.0 4.3 3.0 3.4 3.3 3.60 2.12		4.20 4.37 3.40 3.60 3.63 3.84	2.47 2.57 2.00 2.12 2.14	3.2 2.9 1.9 2.4 2.4 2.56 1.51	3.2 2.2 2.3 1.1 2.1 2.18 1.28	3.8 2.8 2.6 2.8 2.4 2.88 1.69	3.40 2.63 2.27 2.10 2.30 2.54	2.00 1.55 1.33 1.24 1.35	3.5 4.5 4.0 3.5 3.5 3.80 2.24	4.0 4.0 4.5 3.0 3.5 3.80 2.24	3.5 3.5 3.8 3.3 3.3 3.48 2.05	3.67 4.00 4.10 3.27 3.43 3.69	2.16 2.35 2.41 1.92 2.02
38-4A  B  C  D  E  Avg. Mils  Avg.OZ/SF		3.2 4.0 3.8 3.6 INF (3.65) (2.15)			3.27 3.83 3.47 3.60 (3.35) (3.52)	1.92 2.25 2.04 2.12 (1.97)	2.3 3.8 2.8 1.5 1.7 2.42 1.42	2.6 2.7 2.0 2.0 2.1 2.28 1.34	2.6 2.4 2.1 1.6 2.6 2.26 1.33	2.50 2.97 2.30 1.70 2.13 2.32	1.47 1.74 1.35 1.00 1.25	4.0 4.0 3.3 3.3 3.5 3.62 2.13	4.0 4.0 3.0 3.5 3.0 2.06	3.5 3.6 3.0 3.5 3.0 3.32 1.95	3.83 3.87 3.10 3.43 3.17 3.48	2.25 2.27 1.82 2.02 1.86

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	SAMPLE .		Common State of Common State of	E1.C0	METER	adings their animality of which to	AND THE RESERVE	· 14 D H.S. Quinty Regulati	M.	KROTES	T	PATE THE SEC SE, SPORTSCHOOL	100 b 10 10 10 10 10 10 10 10 10 10 10 10 10		TINSLEY	CONTROL OF THE CONTRO	
	& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
	LOCATION	E-3	I-4	I-1		MILS	OZ/SF	E-1	I-1	E-3	MILS	OZ/SF	G-1	I-1	E-3	MILS	OZ/SF
	38-5A	4.2 4.0	3.8 4.2	3.3		3.77 4.03	2.22	1.6 1.3	2.0 2.8	2.5 3.5	2.03 2.53	1.20 1.49	3.5 4.0	4.5 4.5	3.5 4.0	3.83 4.17	2.25 2.45
	FLANGE H U O H	3.6 4.0	4.4 3.6	3.7		3.90 3.83	2.29 2.25	2.3 1.7	3.0 1.9	2.6 2.0	2.63 1.87	1.55 1.10	4.0 3.3	4.0 3.5	3.5 3.3	3.83 3.37	2.25 1.98
	El E Avg. Mils	4.0 3.96	4.0 4.00	3.8	Construction of the second	3.93 3.89	2.31	2.2 1.82	4.0 2.74	3.5 2.82	$\frac{3.23}{2.46}$	1.90	4.0 3.76	4.0 4.10	3.5 3.56	3.83 3.81	2.25
	Avg.07/SF		2.35				2.29	1.07	1.61	1.66		1.45	2.21	2.41	2.09		2.24
	20 54		2.6	2 7		3 60	2 12	2.0	2 0	3.1	3.03	1 70	3.5	. E	2 -	2 02	2.25
	38-5A B	3.5 3.7	3.6 4.0	3.7		3.60 3.63	2.12	2.8 2.3	3.2 3.0	1.9	2.40	1.78 1.41	3.5	4.5 4.0	3.5 3.0	3.83 3.50	2.25 2.06
	C D	3.5 3.4	3.4 3.0	4.1 3.4		3.67 3.27	2.16 1.92	3.6 2.7	1.5 2.5	3.1 2.2	2.73 2.47	1.61 1.45	3.5 3.8	4.0 3.5	3.0 3.0	3.50 3.43	2.06 2.02
757	E Avg. Mils	3.5 3.52	3.4 3.48	2.9 3.46		3.27 3.49	1.92	1.8 2.64	2.8 2.60	3.2 2.70	2.60 2.65	1.53	3.5 3.56	4.0 4.00	3.5 3.20	3.67 3.59	2.16
1	Avg.OZ/SF	2.07	2.05	2.04			2.05	1.55	1.53	1.59		1.56	2.09	2.35	1.88		2.11
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PROJECT: 3-08-69-014

												A 4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		0.224.2.240.3W 00.000.24		യജ്യയ്ക്കുന്നുന്നു. വഴു
SAMPLE .			ELCO	METER				М	IKROTES	T	, <del>-</del>			TINSLEY		
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION					MILS	OZ/SF	G-1	E-1	E-3	MILS	OZ/SF	E-3	E-4	G-1	MILS	OZ/SF
44-1A  B Avg. Mils Avg.OZ/SF  44-1A B C							9.5 10.0 8.0 9.5 8.5 9.10 5.35 9.0 9.0 9.0	10.0 11.0 8.0 10.0 9.5 9.70 5.71 10.0 8.5 9.5 9.5	10.0 11.0 8.0 9.9 8.0 9.38 5.52 9.0 9.5 8.0 8.5	9.39 9.33 9.00 8.33 9.00	5.78 6.27 4.71 5.76 5.10 5.53 5.49 5.29 5.20 5.29	10.0 11.0 10.0 10.0 9.5 10.10 5.94 11.0 11.0 10.5 11.0	11.0 12.0 9.3 12.0 9.5 10.76 6.33	10.0 11.0 10.0 11.0 10.40 6.12	11.33 9.77 11.00 9.67 10.42 10.67 10.67 10.17	6.08 6.67 5.74 6.47 5.69 6.13 6.27 6.27 5.98 6.47
Avg. Mils Avg.OZ/SF							9.00 9.00 5.29	9.50 5.59	9.10 5.35	9.20						6.67
44-2A  B C C D D E Avg. Mils Avg.OZ/SF							8.0 9.0 8.0 7.5 8.0 8.10 4.76	9.0 8.5 8.0 8.0 7.5 8.20 4.82	9.0 8.0 9.5 9.5 7.5 8.70 5.12	8.50 8.50	5.00 5.00	10.0 9.0 9.0 8.5 9.0 9.10 5.35	10.0 10.0 9.0 9.0 9.0 9.40 5.53	9.0 10.0 10.0 10.0 9.0 9.60 5.65	9.67 9.67 9.33 9.17 9.00	5.69 5.69 5.49 5.39 5.29
44-2A  B C MID E Avg. Mils Avg. OZ/SF							9.0 10.0 8.5 9.5 9.0 9.20 5.41	9.0	9.0 11.0 8.5 9.5 10.0 9.60 5.65	10.33 8.67 9.67	6.08 5.10 5.69 5.69	12.0 11.0 11.0 12.0	9.5 13.0 11.0 12.0 13.0 11.70 6.88	10.0 12.0 10.0 10.0 12.0 10.80 6.35	9.83 L2.33 I0.67 I1.00 L2.33 I1.23	5.78 7.25 6.27 6.47 7.25
	& OCATION  44-1A  B C D E  Avg. OZ/SF  44-1A  B C D E  Avg. OZ/SF  44-1A  B C D E  Avg. OZ/SF  44-2A  B C D E  Avg. OZ/SF  44-2A  B C D E  Avg. OZ/SF	& OPTR OCATION  44-1A  B C D Avg. Mils Avg. OZ/SF  44-1A  B C D E Avg. Mils Avg. OZ/SF  44-2A  B C D C D C D C D C D C D C D C D C D	Avg. Mils Avg. OZ/SF   & OPTR OPTR OPTR OCATION  44-1A  B C Avg. Mils Avg.OZ/SF  44-1A  B C D E Avg. Mils Avg.OZ/SF  44-2A B C D D E Avg. Mils Avg.OZ/SF  44-2A B C D D E Avg. Mils Avg.OZ/SF	Avg. Mils Avg. OZ/SF  Avg. Mils Avg. OZ/SF   Avg. Mils Avg. OZ/SF  Avg. Mils Avg. Mils Avg. OZ/SF	& OPTR OPTR OPTR OPTR AVG AVG OZ/SF  44-1A  B B C C C C C C C C C C C C C C C C C	A	A	A	A	A	A	A	A	A   OPTR   OPTR   OPTR   OPTR   OPTR   AVG   AVG   OPTR   OPTR   OPTR   OPTR   OPTR   OPTR   OPTR   AVG   MILS   OZ/SF   C-1   E-1   E-3   MILS   OZ/SF   E-3   E-4   G-1   MILS		

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SAMPLE .		COLUMN 1 O WASHINGTON THE X	ELCO	METER	A The Ann And Control of the Control			М	IKROTES	T		TE SALE MENTENNIA DE LA COMP	-	TINSLEŸ		
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVĢ	AVG
LOCATION					MILS	OZ/SF	G-1	E-1	E-3	MILS	0Z/SF	E-3	E-4	G-1	MILS	0Z/SF
44-3A B C D F							7.5 7.0 8.0 7.5	8.0 7.5 8.5 8.0	8.0 7.5 8.0 7.5	7.83 7.33 8.17 7.67	4.61 4.31 4.80 4.51	9.5 9.0 9.5 9.0	9.5 9.0 9.0 8.8	8.0 9.0 9.0 9.0		5.29 5.29 5.39 5.25
1 "		Committee Could have been constituted to				Control of the second control of the second	6.5	7.0	7.0	6.83	4.02	8.5	8.5	8.0	8.33	4.90
Avg. Mils Avg.OZ/SF							7.30 4.29	7.80 4.59	7.60 4.47	7.57	4.45	9.10 5.35	8.96 5.27	5.06	8.89	5.23
-	- Andrews of the State of the S		energy along the second		Marian Control of the	Sart activated additionable state measurement.	personen er etter med access van		to Committee with account from a se	annous and a second	removers resident consumit design rations	aprilation in monuteral				
44-3A B C D E							7.5 8.0 8.0 9.0 8.5	8.0 8.5 9.0 10.0 8.5	8.5 8.5 8.0 10.5 8.5	8.00 8.33 8.33 9.83 8.50	4.71 4.90 4.90 5.78 5.00	9.0 9.0 9.5 11.5 9.5	9.0 9.5 9.5 12.0 9.5	10.0 10.0 10.0 11.0	9.67 <b>11.</b> 50	5.49 5.59 5.69 6.76 5.69
Avg. Mils	THE TRANSPORT OF THE SERVICE AND ADDRESS OF THE	Mark 1800 - 40-50 Can			11 <b>110</b> + 12 - 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	a de la carente de esta estado	8.20	8.80	8.80	8.60		9.70	9.90	10.20	9.93	
Avg.OZ/SF	and the state of t	deservation and the second		Carllabare Farms Forth Fathers in the	periodense viziones como la decida	No managemental and property and comments	4.82	5.18	5 <b>.1</b> 8		5.06	5.71	5.82	6.00		5.84
44-4A  B C C D E Avg. Mils Avg.OZ/SF							7.0 8.0 8.0 8.0 7.5 7.70 4.53	7.5 9.5 8.2 8.5 8.4 4.96	8.0 8.5 8.5 9.0 8.5 8.50 5.00	7.50 8.67 8.23 8.50 8.17 8.21	4.41 5.10 4.84 5.00 4.80 4.83	9.5 9.0 9.0 9.5 10.0 9.40 5.53	9.5 10.0 9.8 9.5 9.8 9.72 5.72	9.0 10.0 10.0 10.0 10.0 9.80 5.76	9.64	5.49 5.69 5.65 5.69 5.84
44-4A  B C D E Avg. Mils Avg.OZ/SF							8.5 9.0 8.0 9.0 9.5 8.80 5.18	9.5 10.0 9.5 10.0 10.0 9.80 5.76	8.5 9.0 9.5 10.0 10.0 9.40 5.53	8.83 9.33 9.00 9.67 9.83 9.33	5.20 5.49 5.29 5.69 5.78	10.0 12.0 12.0 12.0 12.0 11.60 6.82	11.0 12.0 11.0 12.0 12.0 11.60 6.82	11.0 11.0 12.0	11.67 11.33 11.67 12.00 11.47	6.27 6.86 6.67 6.86 7.06

PROJECT: 3-08-69-014

SAMPLE .			ELCO	METER				М	IKROTES	T			-	TINSLEY		
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	ΛVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION					MILS	OZ/SF	G-1	E-1	E-3	MIĽS	0Z/SF	E-3	E-4	G-1	MILS	0Z/SF
44 <b>-</b> 5A							7.0	8.5	8.0	7.83	4.61	9.5	9.5	9.0	9.33	5.49
<sub>떮</sub> B							7.0	8.0	8.0	7.67	4.51	9.0	9.5	10.0	9.50	5.59
FLANGE B C D B							8.5 8.0	9.2 8.0	10.0	9.23	5.43 4.71	9.5 9.0	11.0 9.0	10.0 10.0	10.17	5.98
III E	1						7.5	7.5	8.0	7.67	4.71	9.0	9.5	9.0	9.33 9.17	5.49 5.39
Avg. Mils							7.60	8.24	8.40	8.08		9.20	9.70	9.60	9.50	
Avg.OZ/SF		<b></b>	<b></b>	<u> </u>			4.47	4.85	4.94		4.75	5.41	5.71	5.65		5.59
44 <b>-</b> 5A							10.0	10.0	10.0	10.00	5.88	11.0	12.0	13.0	12.00	7.06
В	l	į					9.0	9.5	9.0	9.17	5.39	10.5	10.0	10.0	10.17	5.98
WEB C D					ļ		9.0 9.0	10.0 9.0	10.0 9.0	9.67 9.00	5.69 5.29	11.0 10.0	12.0 11.0	11.0 10.0	11.33 10.33	6.67 6.08
E							11.0	13.0	12.0	12.00	7.06	14.0	14.0	14.0	14.00	8.24
Avg. Mils		<u> </u>					9.60	10.30	10.00	9.97		11.30	11.80	11.60	11.57	
Avg.OZ/SF		<del> </del>		<b> </b>			5.65	6.06	5.88		5.86	6.65	6.94	6.82		6.80
											·					
45 <b>-</b> 1A							8.5	7.6	8.0	8.03	4.73	8.5	8.5	9.0	8.67	5.10
띪 B							7.5	6.6	7.0	7.03	4.14	8.0	8.2	9.0	8.40	4.94
FLANGE a o o a	1						7.5 .7.5	7.1 6.6	7.5 6.5	7.37 6.87	4.33 4.04	8.0 8.0	8.5 8.0	9.0 8.0	8.50 8.00	5.00 4.71
E E							6.5	7.1	6.5		3.94	8.0	8.0	8.0	8.00	4.71
Avg. Mils							7.50	7.00	7.10	7.20		8.10	8.24	8.60	8.31	
Avg.OZ/SF	<b></b>						4.41	4.12	4.18		4.24	4.76	4.85	5.06		4.89
	Į.		<u> </u>													
45 <b>-1</b> A	•						10.0	8.3	10.5	9.60	5.65	10.0	9.5	10.0	9.83	5.78
В							9.5	8.3	8.5	8.77	5.16	9.5	9.5	10.0	9.67	5.69
MEB Q D							10.0 8.5	8.3 8.3	8.5 8.5	8.93 8.43	5.25 4.96	9.5 9.0	9.5 9.5	10.0 10.0	9.67 9.50	5.69 5.59
到 D E	1						8.0	8.3	8.0	8.10	4.76	9.0	9.0	9.0	9.00	5.29
Avg. Mils							9.20	8.30	8.80	8.77		9.40	9.40	9.80	9.53	
Avg.OZ/SF	ļ			<b></b>	ļ		5.41	4.88	5.18		5.16	5.53	5.53	5.76		5.61
															1	
	<u>.</u>	].		,						ļ	ļ		]			

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PROJECT: 3-08-69-014

SAMPLE .	ELCOMETER ODER ODER ODER AVG AVG							М	IKROTES	T		March Colorected	ACCESTIBLE 18.1	TINSLEY	artike bost na aparen	NAME OF PORTUGE STATE STATE
& LOCATION	OPTR	OPTR	OPTR	OPTR	AVG MILS	AVG OZ/SF	OPTR G-1	OPTR E-1	OPTR E-3	AVG MIĽS	AVG OZ/SF	OPTR E-3	OPTR E-4	OPTR G-1	AVG MILS	AVG OZ/SF
45-2A  B C NV D E Avg. Mils Avg.OZ/SF							7.5 6.0 7.0 7.0 6.5 6.80 4.00	6.3 6.1 6.1 6.9 7.1 6.50 3.82	6.5 6.5 6.5 7.0 7.0 6.70 3.94	6.53 6.97 6.87 6.67	3.98 3.65 3.84 4.10 4.04 3.92	8.0 8.0 8.0 8.0 8.5 8.10 4.76	8.0 8.0 8.5 8.5 8.5 8.30 4.88	8.0 8.0 8.0 8.0 8.0 8.0 4.71	8.00 8.00 8.17 8.17 8.33 8.13	4.71 4.71 4.80 4.80 4.90
45-2A  B C D E Avg. Mils Avg.OZ/SF		Andreas and the second		. 1			9.5 9.0 9.0 8.0 8.5 8.80 5.18	8.8 9.0 8.3 7.8 7.8 4.91	9.5 9.0 8.5 8.0 8.0 8.60 5.06	9.00 8.60		10.0 10.5 10.0 9.0 9.0 9.70 5.71	9.5 10.0 9.8 9.0 9.0 9.46 5.56	10.0 10.0 10.0 9.0 10.0 9.80 5.76	9.83 10.17 9.93 9.00 9.33 9.65	5.78 5.98 5.84 5.29 5.49
.45-3A B HOW D LH E Avg. Mils Avg.OZ/SF							6.0 6.5 6.5 7.0 6.40 3.76	6.1 5.9 6.2 6.1 5.9 6.04 3.55	6.0 6.0 6.0 6.0 6.0 6.0 3.53	5.97 6.23 6.20 6.30 6.15	3.55 3.51 3.67 3.65 3.71	8.0 7.5 8.0 8.0 8.0 7.90 4.65	8.0 8.0 8.0 8.0 7.8 7.96 4.68	8.0 8.0 8.0 8.0 7.0 7.80 4.59	8.00 7.83 8.00 8.00 7.60 7.89	4.71 4.61 4.71 4.71 4.47
45-3A  B C D E Avg. Mils Avg.OZ/SF							8.0 8.0 9.0 8.0 8.0 8.20 4.82	7.8 7.8 8.0 7.8 6.3 7.54 4.44	8.0 8.5 8.5 8.0 6.5 7.90 4.65	8.10	4.67 4.76 5.00 4.67 4.08	8.0 9.5 9.0 9.0 8.0 8.70 5.12	8.5 9.0 9.0 9.0 8.0 8.70 5.12	8.0 9.0 9.0 8.0 8.0 8.40 4.94	8.17 9.17 9.00 8.67 8.00 8.60	4.80 5.39 5.29 5.10 4.71 5.06

3-08-6	9-014				PIMORE	TIC ON	JE NEMO	JINEIREIRI						Р.	AGE 30
		ELCO	METER		-		М	IKROTES	T				TINSLEY		
OPTR	OPTR	OPTR	OPTR	AVG MILS	AVG OZ/SF	OPTR G-1	OPTR E-1	OPTR E-3	AVG MIĒS	AVG OZ/SF	OPTR E-3	OPTR E-4	OPTR G-1	AVG MIĹS	AVG OZ/SF
s						6.5 6.5 6.0 5.5 6.5 6.20 3.65	6.1 6.1 6.1 5.6 5.9 5.96 3.51	6.0 5.5 5.5 5.5 6.0 5.70 3.35	6.20 6.03 5.87 5.53 6.13 5.95	3.65 3.55 3.45 3.25 3.61	7.5 7.5 7.5 6.5 7.5 7.30 4.29	7.5 7.5 7.5 7.2 7.8 7.50 4.41	8.0 7.0 7.0 7.0 7.0 7.20 4.24	7.67 7.33 7.33 6.90 7.43 7.33	4.51 4.31 4.31 4.06 4.37
s F						7.0 7.0 7.0 8.5 9.0 7.70 4.53	6.5 6.0 6.3 7.8 8.3 6.98 4.11	6.5 6.5 6.5 8.5 8.5 7.30 4.29	6.67 6.50 6.60 8.27 8.60 7.33	3.92 3.82 3.88 4.86 5.06	8.0 7.5 7.5 9.0 9.0 8.20 4.82	8.0 7.5 7.5 9.0 9.0 8.20 4.82	8.0 8.0 9.0 9.0 9.0 4.94	8.00 7.67 7. <b>6</b> 7 9.00 9.00	4.71 4.51 4.51 5.29 5.29
s						6.5 6.0 6.0 6.5 6.20 3.65	6.1 5.1 5.4 5.6 5.3 5.50 3.24	6.0 5.8 5.5 5.5 6.0 5.76 3.39	6.20 5.63 5.63 5.70 5.93 5.82	3.65 3.31 3.31 3.35 3.49	8.0 7.0 7.0 7.0 7.0 7.20 4.24	8.5 8.2 8.5 8.2 9.2 8.52 5.01	8.0 7.0 8.0 8.0 7.0 7.60 4.47	8.17 7.40 7.83 7.73 7.73 7.77	4.80 4.35 4.61 4.55 4.55
s						7.5 6.5 7.0 7.0 8.0 7.20 4.24	6.8 6.1 7.2 6.3 8.3 6.94 4.08	7.0 6.5 7.5 6.5 8.0 7.10 4.18	7.10 6.37 7.23 6.60 8.10 7.08	4.18 3.74 4.25 3.88 4.76	8.0 7.5 8.0 8.0 9.0 8.10 4.76	8.5 8.2 8.8 8.5 9.5 8.70 5.12	8.0 8.0 9.0 8.0 9.0 8.40 4.94	8.17 7.90 8.60 8.17 9.17 8.40	4.80 4.65 5.06 4.80 5.39
	OPTR		ELCO OPTR OPTR OPTR	OPTR OPTR OPTR OPTR	ELCOMETER OPTR OPTR OPTR AVG MILS	3-08-69-014  ELCOMETER  OPTR OPTR OPTR OPTR AVG MILS OZ/SF	3-08-69-014    ELCOMETER	3-08-69-014    ELCOMETER	3-08-69-014    ELCOMETER	Correction   Cor	Second   S	Second   S	Section   Sect	3-08-69-014    ELCOMETER	Second   S

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PROJECT: 3-08-69-014

		t State of the Tourney age in young		HETEN	THE PERSON AND PROPERTY OF THE PERSON AND PE			L 7		т		TINSLEY						
SAMPLE .		<del> </del>		METER	T			·	IKROTES	1	<u> </u>			<del></del>				
& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	<b>O</b> PTR	AVG	AVG	OPTR	OPTR	OPTR	AVĢ	AVG.		
LOCATION					MILS	OZ/SF	G-1	E-1	E-3	MILS	OZ/SF	E-3	E-4	G-1	MILS	OZ/SF		
46-1A  B C D L D E Avg. Mils Avg. OZ/SF							8.0 8.5 7.0 7.0 7.0 7.50 4.41	7.4 7.7 6.9 8.2 7.4 7.52 4.42	8.0 8.0 8.0 7.0 7.5 7.70 4.53	7.80 8.07 7.30 7.40 7.30 7.57	4.59 4.74 4.29 4.35 4.29	8.0 8.0 8.0 8.0 8.0 8.00 4.71	9.0 8.8 8.5 9.0 9.0 8.86 5.21	8.0 8.0 9.0 9.0 9.0 8.60 5.06	8.33 8.27 8.50 8.67 8.67	4.90 4.86 5.00 5.10 5.10 4.99		
46-1A B G C B D E Avg. Mils Avg. OZ/SF							9.5 9.0 8.0 10.0 9.0 9.10 5.35	9.0 9.0 8.5 9.2 8.0 8.74 5.14	8.0 8.0 7.0 9.0 7.0 7.80 4.59	8.83 8.67 7.83 9.40 8.00 8.55	5.20 5.10 4.61 5.53 4.71 5.03	9.0 9.0 8.0 10.0 9.0 9.00 5.29	9.2 9.0 8.8 9.8 9.0 9.16 5.39	9.0 9.0 9.0 10.0 9.0 9.20 5.41	9.07 9.00 8.60 9.93 9.00 9.12	5.33 5.2 <b>9</b> 5.06 5.84 5.29		
46-2A  B C VV D L Avg. Mi1s Avg.OZ/SF							7.0 7.0 7.5 7.0 7.0 7.10 4.18	7.9 7.7 7.7 7.7 7.7 7.7 4.55	7.0 7.0 7.0 6.5 7.5 7.00 4.12	7.30 7.23 7.40 7.07 7.40 7.28	4.29 4.25 4.35 4.16 4.35	8.0 8.0 8.0 8.0 9.0 8.20 4.82	8.5 8.2 9.0 8.2 9.5 8.68 5.11	9.0 8.0 9.0 8.0 9.0 8.60 5.06	8.50 8.07 8.67 8.07 9.17 8.49	5.00 4.74 5.10 4.74 5.39		
46-2A B C B D E Avg. Mils Avg. OZ/SF							9.0 9.5 10.0 9.0 10.0 9.50 5.59	8.9 8.5 9.0 9.5 9.5 9.08 5.34	8.0 6.0 8.0 8.0 8.0 7.60 4.47	8.63 8.00 9.00 8.83 9.17 8.73	5.08 4.71 5.29 5.20 5.39	9.0 8.5 8.5 9.0 9.0 5.18	9.0 8.5 9.2 9.5 10.0 9.24 5.44	9.0 9.0 10.0 9.0 10.0 9.40 5.53	9.00 8.67 9.23 9.17 9.67	5.29 5.10 5.43 5.39 5.69		

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## TABLE II MAGNETIC GAGE MEASUREMENTS

PROJECT: 3-08-69-014

SAMPLE .			ELCC	METER				М	IKROTES	T			·	TINSLEY	*****************************	
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	<b>O</b> PTR	OPTR	OPTR	AVG	AVG
LOCATION					MILS	OZ/SF	G-1	E-1	E-3	MILS	OZ/SF	E-3	E-4	G-1	MILS	OZ/SF
46-3A B C D E Avg. Mils							6.5 7.5 7.5 7.0 7.0	7.7 7.2 7.9 9.2 7.2 7.84	7.0 7.5 6.0 6.5 6.0	7.07 7.40 7.13 7.57 6.73 7.18	4.16 4.35 4.20 4.45 3.96	8.0 8.0 8.0 8.0 8.0	8.5 8.0 8.0 7.8 8.0 8.0	8.0 8.0 9.0 9.0 8.0 8.40	8.17 8.00 8.33 8.27 8.00 8.15	4.81 4.71 4.90 4.86 4.71
Avg.OZ/SF	<b> </b>			ļ			4.18	4.61	3.88		4.22	4.71	4.74	4.94		4.80
46-3A  B C D E Avg. Mils Avg.OZ/SF							8.0 8.5 8.0 10.5 9.10 5.35	8.5 8.8 8.5 9.0 8.66 5.09	7.0 8.0 7.5 7.5 8.0 7.60 4.47	7.83 8.43 8.00 8.83 9.17 8.45	4.61 4.96 4.71 5.20 5.39	9.0 9.0 8.0 9.0 8.5 8.70 5.12	8.8 9.0 8.5 9.0 9.5 8.96 5.27	9.0 9.0 9.0 10.0 10.0 9.40 5.53	9.00 8.50	5.25 5.29 5.00 5.49 5.49
46-4A  B C C D E Avg. Mils Avg.OZ/SF				manus remain to a			6.0 5.5 7.0 7.0 6.0 6.30 3.71	7.7 6.2 6.7 6.5 7.2 6.86 4.04	6.5 6.0 5.5 5.5 6.0 5.90 3.47	6.73 5.90 6.40 6.33 6.40 6.35	3.96 3.47 3.76 3.73 3.76	8.0 7.0 7.0 7.0 7.0 7.20 4.24	7.5 7.2 7.5 7.2 7.5 7.38 4.34	8.0 8.0 8.0 7.0 7.0 7.60 4.47	7.83 7.40 7.50 7.07 7.17 7.39	4.61 4.35 4.41 4.16 4.22 4.35
46-4A  B C D E Avg. Mils Avg.OZ/SF					-		8.5 7.5 8.5 8.5 8.0 8.20 4.82	8.0 8.0 7.5 8.0 6.8 7.66 4.51	7.0 6.0 7.0 6.0 6.0 6.40 3.76	7.83 7.17 7.67 7.50 6.93 7.42	4.61 4.22 4.51 4.41 4.08	8.0 8.0 8.0 7.0 7.80 4.59	8.5 7.8 8.2 8.0 7.5 8.00 4.71	8.0 8.0 9.0 8.0 8.0 8.20 4.82	8.17 7.93 8.40 8.00 7.50 8.00	4.80 4.67 4.94 4.71 4.41

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MIKROTEST TINSLEY ELCOMETER SAMPLE OPTR AVG AVG **OPTR** OPTR OPTR AVG OPTR OPTR AVG **OPTR** OPTR OPTR **OPTR** AVG AVG OZ/SE MILS OZ/SF MILS MILS 0Z/SF LOCATION G-1 E-1E-3E-3E-4 G-1 46-5A 6.7 5.5 6.40 3.76 7.0 7.0 7.0 8.0 7.33 4.31 FLANGE U O B 6.5 5.7 5.5 5.90 3.47 7.0 6.5 7.0 6.83 4.02 6.5 6.8 6.0 6.43 3.78 7.0 7.0 8.0 7.33 4.31 7.5 5.9 5.0 6.13 3.61 7.0 7.0 7.0 7.00 4.12 Ε 6.7 6.23 6.0 6.0 3.67 7.0 6.5 7.0 6.83 4.02 6.70 6.36 5.60 7.40 Avg. Mils 6.22 7.00 6.80 7.07 Avg.OZ/SF 3.94 3.74 3.29 3.66 4.12 4.00 4.35 4.16 46-5A 8.5 7.5 6.5 7.50 4.41 8.0 7.8 7.90 4.65 7.5 7.5 7.00 8.0 В 6.0 4.12 7.8 7.90 4.65 WEB C D 7.0 7.7 6.0 6.90 4.06 8.0 7.5 7.75 4.56 6.5 6.8 6.0 3.78 7.35 6.43 7.5 7.2 4.32 7.0 7.8 6.0 6.93 4.08 8.0 7.2 7.60 4.47 Avg. Mils 7.30 7.46 6.95 7.90 7.50 7.70 6.10 4.09 4.53 Avg.OZ/SF 4.29 4.39 3.59 4.65 4.41 47-1A 8.0 7.3 7.0 7.43 4.37 9.0 7.5 9.0 8.50 5.00 7.8 5.20 FLANGE В 7.5 7.0 7.43 4.37 9.0 7.5 10.0 8.83 C 8.0 7.8 6.0 7.27 4.27 8.0 7.5 8.17 9.0 4.80 D 7.5 7.77 7.5 8.8 7.0 4.57 8.5 9.0 8.33 4.90 E 8.0 7.3 8.5 7.0 7.43 4.37 7.5 9.0 8.33 4.90 Avg. Mils 7.80 7.80 6.80 7.47 8.60 7.50 9.20 8.43 Avg.OZ/SF 4.59 4.39 5.06 4.96 4.59 4.00 4.41 5.41 8.0 7.5 8.0 7.83 4.61 9.0 8.5 9.17 5.39 47-1A 10.0 8.0 8.0 7.5 7.83 4.61 8.5 8.0 10.0 8.83 5.20 MEB C 8.83 7.5 7.0 7.5 7.33 4.31 8.5 8.0 10.0 15.20 9.0 7.2 8.0 8.07 4.74 9.5 8.5 10.0 9.33 5.49 8.5 7.0 7.83 4.61 9.5 8.0 10.0 9.17 5.39 Ε 8.0 8.20 7.34 7.80 7.78 9.00 8.20 10.00 9.07 Avg. Mils 4.82 4.32 4.59 4.58 5.29 4.82 5.88 5.33 Avg.OZ/SF

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SAMPLE .		•	ELCO	METER				M]	KROTES	Т				TINSLEY		
& .	OPTR	<b>Q</b> PTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION				<b> </b>	MILS	0Z/SF	G-1	E-1	E-3	MILS	0Z/SF	E-3	E-4	G-1	MILS	0Z/SF
47-2A							8.5	7.8	8.0	8.10	4.76	9.0	8.0	10.0	9.00	5.29
B C							8.0 8.5	8.8 8.3	8.0 8.0	8.27 8.27	4.86 4.86	9.0 9.0	8.2 8.0	10.0 9.0	9.07 8.67	5.33 5.10
FLANGE FICO B						:	8.5 8.0	7.5 7.3	7.0 7.5	7.67 7.60	4.51 4.47	8.0 8.0	7.5 7.5	9.0	8.17 8.17	4.80 4.80
Avg. Mils Avg.OZ/SF							8.30 4.88	7.94 4.67	7.70 4.53	7.98	4.69	8.60 5.06	7.84 4.61	9.40 5.53	8.61	5.07
, 51				ļ			1.00	7.07	7.55		7.07	3.00	4.01	3.33		3.07
47 <b>-</b> 2A							9.0	8.0	9.0	8.67	5.10	9.0	8.8	12.0	9.93	5.84
B C							8.0 9.0	7.5 8.0	8.0 7.0	7.83 8.00	4.61 4.71	9.0 10.0	8.0 8.5	10.0 10.0	9.00 9.50	5.29 5.59
WEB		:					9.0 8.0	9.0 8.0	8.0 8.0	8.67 8.00	5.10 4.71	10.0 9.0	9.0 8.2	11.0 10.0	10.00 9.07	5.88 5.33
Avg. Mils Avg.OZ/SF							8.60 5.06	8.10 4.76	8.00 4.71	8.23	4.84	9.40 5.53	8.50	10.60	9.50	
Avg. O4/ Sr		<u> </u>			<u> </u>		3.00	4.70	4.71		4.04	3.33	5.00	6.24		5.59
47-3A							9.0	8.8	6.5	8.10	4.76	9 <b>.0</b>	7.8	9.0	8.60	5.06
B C							7.5 7.5	7.3 8.3	6.5 7.5	7.10 7.77	4.18 4.57	8.5 8.5	7.5 7.5	9.0 8.0	8.33 8.00	4.90 4.71
FLANGE F C O o							8.0 7.0	7.3 7.8	6.5	7.27 6.93	4.27 4.08	8.0 9.0	7.5 7.5	8.0	7.83 8.50	4.61
Avg. Mils	OTACLE OPPOSE						7.80	7.90	6.60	7.43		8.60	7.56	8.60	8.25	
Avg.OZ/SF				<del> </del>			4.59	4.65	3.88		4.37	5.06	4.45	5.06		4.86
47 <b>-</b> 3A							7.5	7.0	7.0	7.17	4.22	8.5	7.8	10.0	8.77	5.16
В							7.0 6.5	6.0 6.0	6.5	6.50 6.17	3.82 3.63	8.0 8.0	7.2 7.2	9.0	8.07 7.73	4.74 4.55
WEB T O D							8.0	7.0	7.5	7.50	4.41	9.0	8.5	10.0	9.17	5.39
Avg. Mils			<del> </del>		ļ		8.0 7.40	7.0 6.60	8.0 7.00	7.67 7.00	4.51	9.0 8.50	8.5 7.84	9.0	8.83 8.51	
Avg.OZ/SF					<u> </u>	ļ	4.35	3.88	4.12		4.12	5.00	4.61	5.41		5.01

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SAMPLE .			ELCC	METER			and the second	M.	KROTES	T				TINSLEY		
& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION					MILS	OZ/SF	G-1	E-1	E-3	MILS	OZ/SF	E-3	E-4	G-1	MILS	0Z/SF
47-4A B							8.5 8.5	7.8 6.8	7.0 6.0	7.77 7.10	4.57 4.18	8.5 8.0	7.8 7.2	9.0 9.0	8.43 8.07	4.96 4.74
FLANGE FLANGE							8.0 8.5	7.3 8.3	6.5 6.5 6.5	7.27 7.77	4.27 4.57	8.0 8.5	7.5 7.5	8.0 8.0	7.83 8.00	4.61 4.71
Avg. Mils Avg.OZ/SF							8.5 8.40 4.94	7.8 7.60 4.47	6.50 3.82	7.60	4.47	8.0 8.20 4.82	7.5 7.50 4.41	9.0 8.60 5.06	8.17	4.80
47-4A						_	8.5	8.0	8.0	8.17	4.80	9.0	8.8	10.0	9.27	5.45
B C D	·						8.0 7.5 8.5	8.0 7.8 8.0	7.5 7.5 7.5	7.83 7.60 8.00	4.61 4.47 4.71	9.0 9.0 9.0	8.2 8.0 8.8	10.0 10.0 10.0	9.07 9.00 9.27	5.33 5.29 5.45
E Avg. Mils Avg.OZ/SF							8.0 8.10 4.76	8.0 7.96 4.68	7.5 7.60 4.47	7.83	4.61	9.0 9.00 5.29	8.8 8.52 5.01	10.0 10.00 5.88	9.27	5.45
47 <b>-</b> 5A							8.5	7.6	7.0	7.70	4.53	8.0	8.0	9.0	8.33	4.90
FLANGE							7.5 7.5 7.5	7.8 7.3 7.6	6.0 6.5 6.5	7.10 7.10 7.10 7.20	4.18 4.18 4.24	8.0 8.0 8.5	7.5 7.5 7.8	9.0 9.0 9.0	8.17 8.17 8.43	4.80 4.80 4.96
E E E Avg. Mils Avg.OZ/SF					<u> </u>		7.5 7.70 4.53	6.8 7.42 4.36	6.0 6.40 3.76	6.77	3.98	8.5 8.20 4.82	7.5 7.66	9.0 9.00	8.33	4.90
Avg.02/Sr							4.00	4.30	3.70		4.22	4.02	4.51	5.29		4.07
47-5A B C SM D E					-	-	8.0 8.0 8.0	7.8 7.0 7.0 8.0	8.0 7.0 7.0 8.0	7.93 7.33 7.33 8.17 7.33	4.67 4.31 4.31 4.80	9.0 9.0 8.5 9.5	8.5 8.5 8.5 9.5	11.0 12.0 10.0 10.0	9.50 9.83 9.00 9.67	5.59 5.78 5.29 5.69
Avg. Mils Avg.OZ/SF							8.0 8.10 4.76	7.0 7.36 4.33	7.0 7.40 4.35	7.62	4.31	8.5 8.90 5.24	8.5 8.70 5.12	10.0 10.60 6.24	9.00	5.29
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PROULCI.												·				AGE 30
SAMPLE .		T	ELCO	METER	T		L	M	IKROTES	T	<del>,</del>		-	TINSLEY	·	. !
& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	<b>O</b> PTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION					MILS	OZ/SF	G-1	E-1	E-3	MILS	OZ/SF	E-3	E-4	G-1	MILS	0Z/SF
48-1A							6.0	7.5	6.5	6.67	3.92	8.0	8.0	9.0	8.33	4.90
E B							6.0	7.0	6.5	6.50	3.82	8.0	8.0	9.0	8.33	4.90
FLANGE E C O G		}					6.5 5.0	7.0 5.5	6.0 5.0	6.50 5.16	3.82 3.04	7.5 7.5	7.5 6.8	8.0 7.0	7.67	4.51
							6.0	6.2	6.0	6.07	3.57	8. <b>0</b>	7.0	8 0	7.10 7.67	4.18 4.51
Avg. Mils Avg.OZ/SF							5.90 3.47	6.64 3.91	6.00 3.53	6.18		7.80	7.46	8.20	7.82	
AVG.02/51							3.47	3,91	3.33		3.64	4.59	4.39	4.82		4.60
48-1A							9.5	9.2	0.0	0 00	F /0	10.0	0.5	100		
В							10.0	10.2	9.0 9.0	9.23 9.73		10.0 12.0		10.0 12.0	9.83 11.33	5.78 6.67
WEB C D		ł		ļ			10.0	9.7	9.5	9.73	5.73	12.0	10.0	12.0	11.33	6.67
E E							10.0 10.0	10.0		10.50 10.00		12.0 12.0	11.0 11.0	11.0 12.0	11.33 11.67	6.67 6.86
Avg. Mils		ļ ———					9.90	9.82	9.80	9.84		11.60	10.30		11.10	
Avg.02/SF			ļ	<del> </del>			5.82	5.78	5.76		5.79	6.82	6.06	6.71		6.53
													ļ			
48-2A							6.5 6.0	7.0 6.5	7.0 6.5	6.83	4.02 3.73	8.5	8.0	9.0		5.00
NGE O					ļ		6.0	6.8	6.5	6.43	3.78	8.0 8.0	7.5	9.0 8.0	8.17 7.83	4.80 4.61
FLANGE a U O W							6.0	6.2	6.0	6.07	3.57	8.0	7.2	8.0	7.73	4.55
Avg. Mils	Den Alson V. S. Alcondopti	-	aments - services - most de		7.7.		5.0 5.90	6.2	7.0 6.60	6.07	3.57	8.0 8.10	7.2	8.0 8.40	7.73	4.55
Avg.OZ/SF							3.47	3.85	3.88		3.73	4.76	4.40	4.94		4.70
48 <b>-</b> 2A							10.0	9.7	9.0	9.57		11.0			10.33	6.08
B Elc							9.0 9.0	8.7 9.2	9.0 9.0	8.90 9.07		10.0 10.0		10.0 12.0	9.67 10.50	5.69
WEB C D				Ī			9.5	9.2	9.0	9.23		11.0				6.18 <b>6.</b> 47
E Avia Mila				ļ	ļ		9.0	9.2	9.0	9.07		10.0	9.5	12.0	10.50	6.18
Avg. Mils Avg.OZ/SF							9.30 5.47	9.20 5.41	9.00 5.29	9.17	5.39	10.40 6.12	9.60 5.65	11.20 6.59	10.40	6.12
					<del> </del>		ļ ————————————————————————————————————			_	<u> </u>			7		
			1.	].										Į.		

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PROJECT: 3-08-69-014 PAGE 37

SAMPLE		and it is established	ELCC	)i1ETER	CORE NO TO SERVICE OF THE SERVICE OF	artabletika edilik 197	TO THE SECOND SECOND SECTION S	M.	IKROTES	T	and the second s	Person water consign		INSLEY	e ingerekkendelig ilde	er a sa s
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG MILS	AVG OZ/SF	OPTR	OPTR	OPTR	AVG MILS	AVG
LOCATION	- ~				MILS	0Z/SF	G-1	E-1	E-3	I'ILLS	02/31	E-3	E-4	G-1	1/11L3	OZ/SF
ELANGE 84 PE						, in the second	6.0 6.5 6.0 6.0	7.5 7.0 6.0 5.5 6.2	7.0 6.0 6.5 6.0 7.5	6.83 6.50 6.17 5.83 6.73	4.02 3.82 3.63 3.43 3.96	8.5 8.5 8.0 8.0 8.0	7.8 7.8 7.2 7.5 7.5	9.0 9.0 8.0 9.0 8.0	8.43 8.43 7.73 8.17 7.83	4.96 4.96 4.55 4.80 4.61
Avg. Mils Avg.OZ/SF							6.20 3.65	6.44 3.79	6.60 3.88	6.41	3.77	8.20 4.82	7.56 4.45	8.60	8.12	4.78
48-3A B C GHM D E							9.0 9.5 8.5 9.5 9.5	7.7 9.7 9.4 9.7 10.2	8.0 9.5 9.0 10.0 8.5	8.23 9.57 8.97 9.73 9.40	4.84 5.63 5.27 5.73 5.53	9.5 11.0 11.0 11.0	9.0 11.0 9.5 10.0 10.0	10.0 12.0 12.0 13.0 12.0	9.50 11.33 10.83 11.33 11.00	5.59 6.67 6.37 6.67 6.47
Avg. Mils Avg.OZ/SF							9.20 5.41	9.34 5.49	9.00 5.29	9.18	5.40	10.70 6.29	9.90 5.82	11.80 6.94	10.80	6.35
HEANGE TEANGE TO THE TEANGE TO		And the state of t					5.5 6.0 5.5 5.5	6.5 6.5 6.5 5.8 6.2	7.0 6.0 6.0 5.5 6.5	6.33 6.17 6.00 5.60 6.07	3.73 3.63 3.53 3.29 3.57	7.0 7.0 7.5 7.0 7.5	7.5 6.5 6.8 6.5 7.0	8.0 8.0 8.0 9.0	7.50 7.17 7.43 7.50 7.83	4.41 4.22 4.37 4.41 4.61
Avg. Mils Avg.OZ/SF							5.60 3.29	6.30 3.71	6.20 3.65	6.03	3.55	7.20 4.24	6.86 4.04	8.40 4.94		4.41
48-4A B C D E Avg. Mils Avg.OZ/SF					-		8.0 8.5 8.5 8.0 8.5 8.30 4.88	8.2 8.4 8.2 8.7 8.34 4.91	7.0 8.0 8.0 8.0 8.0 7.80 4.59	7.73 8.30 8.23 8.07 8.40 8.15	4.55 4.88 4.84 4.74 4.94	9.0 9.0 9.5 9.0 10.0 9.30 5.47	9.0 8.8 9.0 9.2 9.5 9.10 5.35	11.0 10.0 10.0 10.0 11.0 10.40 6.12	9.67 9.27 9.50 9.40 10.17 9.60	5.69 5.45 5.59 5.53 5.98

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PROJECT: 3-08-69-014

PAGE 38 TINSLEY ELCOMETER MIKROTEST SAMPLE OPTR **OPTR** & OPTR AVG OPTR **OPTR O**PTR AVG AVG **OPTR** AVG AVG OPTR OPTR OPTR AVG 0Z/SF MILS OZ/SF MILS OZ/SF MILS LOCATION G-1 E-1 E-3 E-3 E-4 G-1 48-5A 5.5 6.8 7.0 6.43 3.78 7.5 7.0 8.0 7.50 4.41 5.5 6.0 6.5 6.00 3.53 7.5 6.8 8.0 7.43 4.37 С 5.5 6.0 7.0 6.17 3.63 8.0 6.5 8.0 7.50 4.41 D 5.5 7.0 6.5 6.33 3.73 8.0 7.8 8.0 7.93 4.67 Ε 6.0 6.0 6.0 6.00 3.53 7.5 7.0 8.0 4.41 7.50 Avg. Mils 5.60 6.36 6.60 6.19 7.70 7.02 8.00 7.57 Avg.OZ/SF 3.29 3.74 3.88 3.64 4.53 4.13 4.71 4.46 48-5A 8.0 9.33 5.49 9.0 8.0 8.33 4.90 10.0 9.0 9.0 8.0 8.2 8.0 8.07 4.74 9.5 9.2 10.0 9.57 5.63 MEB C D 8.0 8.2 8.0 8.07 4.74 9.0 9.0 10.0 9.33 5.49 D 9.0 9.2 8.5 8.90 5.24 10.0 10.0 9.73 5.73 9.2 Ε 8.0 7.7 6.0 7.23 4.25 8.5 8.5 9.0 8.67 5.10 Avg. Mils 8.20 8.46 7.70 8.12 9.40 8.98 9.60 9.33 Avg.OZ/SF 4.78 5.49 4.82 4.98 4.53 5.53 5.28 5.65

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TABLE II MAGNETIC GAGE MEASUREMENTS

PROJECT:	3-08-69	9-014	. Fy arms for social volume			rinan	LIIC UN	al richs	JIVELLET	3					P	AGE 39
SAMPLE .		,	ELCO	METER			SSEED ELECTION FO	M	IKROTES	T	BRITE: WANTSHISE ELBOYELES	TO STREET, AT HERE TO, VI.	ANTANTAL EVEL SEA	TINSLEY	THE THE STATE	COLLEGE COLLEGE ( )
& LOCATION	OPTR I-4	OPTR I-1	OPTR E-3	OPTR	AVG MILS	AVG OZ/SF	OPTR	OPTR	OPTR	AVG MILS	AVG OZ/SF	OPTR G-1	OPTR E-3	OPTR C-1	AVG MILS	AVG OZ/SF
53-1A B C D E Avg. Mils Avg.OZ/SF	4.0 3.4 3.8 4.2 3.8 3.84 2.26	4.5 4.8 INF 4.1 4.6 (4.50) (2.65)	4.0 4.2 5.2 3.8 4.2 4.28 2.52		4.17 4.13 (4.50) 4.03 4.20 (4.21)	2.45 2.43 (2.65) 2.37 2.47						5.0 5.0 5.5 4.0 4.5 4.80 2.82	4.0 4.5 4.5 4.0 4.0 4.20 2.47	4.0 5.0 5.0 4.0 4.0 4.40 2.59	4.33 4.83 5.00 4.00 4.17 4.47	2.55 2.84 2.94 2.35 2.45
53-2A  B C D E Avg. Mils Avg.OZ/SF	3.2 3.2 3.8 3.8 4.0 3.60 2.12	4.7 INF 4.9 4.4 4.9 (4.72) (2.78)	4.8 4.8 4.6 4.1 4.1 4.48 2.64		4.23 (4.00) 4.43 4.10 4.33 (4.27)	2.49 (2.35) 2.61 2.41 2.55						5.0 5.0 6.0 4.0 4.0 4.80 2.82	4.5 4.5 4.0 3.5 3.5 4.00 2.35	4.0 4.5 4.5 4.0 4.0 4.20 2.47	4.50 4.67 4.83 3.83 3.83 4.33	2.65 2.74 2.84 2.25 2.25
53-3A  B  C  D  E  Avg. Mils  Avg.OZ/SF	4.0 3.8 4.0 4.2 4.0 4.00 2.35	INF 5.0 INF INF 4.9 (4.95) (2.91)	4.6 4.2 4.8 5.2 4.3 4.62 2.72		4.33	(2.53) 2.55 (2.59) (2.76) 2.59						5.0 4.5 5.0 5.5 5.0 5.00 2.94	4.0 4.0 4.0 4.5 4.3 4.16 2.45	4.5 4.0 5.0 5.0 4.5 4.60 2.71	4.50 4.17 4.67 5.00 4.60 4.59	2.65 2.45 2.74 2.94 2.71
53-4A  B C D E Avg. Mils Avg.OZ/SF	4.2 4.0 4.0 4.0 4.0 4.0 4.04 2.38	INF 4.7 4.9 INF INF (4.80) (2.82)	4.5 4.1 4.4 4.4 4.3 4.34 2.55		(4.35) 4.27 4.43 (4.20) (4.15) (4.39)	(2.56) 2.51 2.61 (2.47) (2.44)						5.0 4.5 4.5 5.0 5.0 4.80 2.82	4.0 4.0 4.0 4.3 3.7 4.00 2.35	4.5 4.5 4.0 4.5 4.5 4.40 2.59	4.50 4.33 4.17 4.60 4.40 4.40	2.65 2.55 2.45 2.71 2.59
~																

PROJECT: 3-08-69-014

PROJECT:	J-00-0	77-014		·····											Γ.	AGE 40
SAMPLE			ELC0	METER	·			<u>M</u> .	I KROTES	T			-	TINSLEY		
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	I-4	I-1	E-3		MILS	OZ/SF				MILS	OZ/SF	G-1	E-3	C-1	MILS	0Z/S1
53 <b>-</b> 5A	4.0	INF	4.0	1	(/ 00)	(0.05)	[							l		
ЭЭ <b>-</b> ЭА В	4.0	5.0	4.8	ŀ	(4.00) 4.67	(2.35) 2.74						5.0 4.5	4.3	4.5 4.0	4.60	2.71
C	4.4	INF	4.6		(4.50)	(2.65)	1			•		4.5	4.0	4.0	4.17 4.17	2.45 2.45
D	4.6	4.8	4.6		4.67	2.74	ļ			]		5.0	4.0	4.0	4.17	2.45
E	3.8	4.7	3.7		4.07	2.39	1			l		4.5	4.0	4.5	4.33	2.55
Avg. Mils	4.20	(4.83)		1	(4.46)		<b></b>	<b></b>		<b></b>	<del> </del>	4.70	4.06	4.20	4.32	2.33
Avg.OZ/SF	2.47	(2.84)				(2.62)	1					2.76	2.39	2.47	7.32	2.54
				<u> </u>	1	<u> </u>							1.02			
54 <b>-</b> 1A	INF	INF	4.9		_	_	ļ		ş.			6.0	5.5	6.0	5.83	3.43
В	INF	INF	5.0	1	_	_	İ			Ì	1	6.0	6.0	6.0	6.00	3.53
· C	INF	INF	5.2	ļ	-	_	ļ					7.0	6.0	7.0		3.92
D	INF	INF	4.9		-	-	İ					5.5	5.0	5.0	5.17	3.04
E	INF	INF	INF		<u> </u>	<b>!</b> -	<u> </u>			]		5.0	4.5	5.0	4.83	2.84
Avg. Mils	-	-	(5.00)		-							5.90	5.40	5.80	5.70	
Avg.OZ/SF		<u> </u>	(2.94)	ļ		-				<u> </u>		3.47	3.18	3.41		3.35
							ļ.			}			1			
54-2A	INF	INF	INF		-	-	į			1		7.0	6.5	6.5	6.67	3.92
В	INF	INF	1NF		-	-		1				7.0	5.5	5.5	6.00	3.53
С	INF	INF	4.3		-	-				1		6.0	5.0	5.0	5.33	3.14
D	INF	INF	5.2		-	-			-			7.0	6.5	5.5	6.33	3.73
E	INF	INF	INF	agrant e reservante de la	80 Sector - 1944, 11, 11 (1944)							6.5	6.0	6.0	6.17	3.63
Avg. Mils	-	-	e.	]	-		1			Ì		6.70	5.90	5.70	6.10	
Avg.OZ/SF	<u> </u>	-				<u> </u>	ļ	ļ				3.94	3.47	3.35		3.59
	į															
54 <b>-</b> 3A	INF	INF	4.3		-	-						7.0	4.5	5.5	5.67	3.33
В	INF	INF	INF		-	-				[	1	8.0	6.0	7.0	7.00	4.12
C	INF	INF	INF		-	<u> </u>						6.0	6.0	6.0	6.00	3.53
D	INF	INF	4.5	}		-	l			1		6.5	5.5	6.0	6.00	3.53
E Arro Mila	INF	INF	4.8 (4.53)	<del> </del>	<del> </del>	<u> </u>	<b>}</b>	<b> </b>		ļ	<del> </del>	6.0	4.8	5.5		3.20
Avg. Mils Avg.OZ/SF	-	-	(4.53) $(2.67)$		<u>-</u>		1					6.70 3.94	5.36 3.15	6.00	6.02	3.54
Avg.U4/5F	<del></del>	<del> </del>	(2.07)	<del> </del>	$\rightarrow$	<del></del>	<b> </b>	ļ		<del> </del>	<del> </del>	3.94	3.13	3.53		3.34
		1											1			
	L	<u>                                     </u>	<u> </u>	<u>                                     </u>	1.	<u> </u>	<u>L</u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u></u>		<u> </u>	<u> </u>

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SAMPLE		* ************************************	EL.CO	HETER	POR A AMERICAN POLICE AND A	THE THEORY CONTRACTOR		M	IKROTES	The sale of metapolicity of the		Post to Michia, acrise sta en	eti Sietrumegye i i es	THISLEY	e i Sir e. Zwestawe e.	ter Busik men in isa Ja
&	OPTR	OPTR	OPIR	OPTR	AVG	AVG	OPTR	OPTR		AVG	AVG	OFTR	OPTR	OPTR	AVG	AVG
LOCATION	I-4	I-1	E-3		MILS	OZ/SF				MILS	OZ/SF	G-1	E-3	C-1	MILS	OZ/SF
54-4A	INF	INF	4.7		_	-						7.0	5.0	6.0	6.00	3.53
В	INF	INF	4.8		] -	-	1					7.0	4.8	5.5	5.77	3.39
C D	INF INF	INF INF	4.6 4.9	}	-	-	]			•		6.5	5 <b>.</b> 5	5.5	5.83	3.43
E	INF	INF	4.8		-	-						5.5 7.0	5.5 5.0	5.5 5.0	5.50 5.67	3.24 .
Avg. Mils	_		4.76									6.60	5.16	5.50	5.75	
Avg.OZ/SF	-	-	2.80	ļ		-	ļ					3.88	3.04	3.24		3.39
		]														
54 <b>-</b> 5A	INF	INF	4.0		-	-						6.0	5.0	5.5	5.50	3.24
B C	INF INF	INF INF	4.5 5.0		-	-	1					6.0	5.0	5.0	5.33	3.14
D	INF	INF	5.0		-	-	[					7.0 6.0	5.0 5.5	5.5 6.0	5.83 5.83	3.43 3.43
E	INF	INF	4.6			-						5.0	5.0	5.0	5.00	2.94
Avg. Mils Avg.OZ/SF	-	_	4.62		-							6.00	5.10	5.40	5.50	
Avg.UZ/Sr		<u> </u>	2.72				<b></b>					3.53	3.00	3.18		3.24
,					]											
55 <b>-</b> 1A	2.8 3.0	2.6	2.7		2.70	1.59						3.0	3.0	3.5	3.17	1.86
B C	2.8	2.4	2.8		2.80	1.65 1.59	ļ ·					3.0 4.0	3.0 2.8	3.0 3.0	3.00 3.27	1.76 1.92
D	3.2	2.3	2.6		2.70	1.59						3.5	2.5	3.0	3.00	1.76
E	3.0	2.6	2.8	<u></u>	2.80	1.65						3.0	3.0	3.5	3.17	1.86
Avg. Mils Avg.0Z/SF	2.96 1.74	2.50 1.47	2.76 1.62		2.74	1.61						3.30 1.94	2.86 1.68	3.20 1.88	3.12	1.83
			1.02			1.01						1.74	1.00	1.00		1.05
55-2A	2.5	2	2.9		2 70	1 (1									2.50	0.06
8 B	2	1.4	3.2		2.73	$\frac{1.61}{1.73}$						3.5 3.5	3.3 3.0	3.5 3.0	3.50 3.17	2.06 1.86
C	3.0	2.5	2.9		2.80	1.65						3.5	2.6	3.0	3.03	1.78
D	₹.2	1.7	3.0		2.97	1.74						3.5	3.0	3.0	3.17	1.86
E Avg. Mils	3.08	2.5	2.9 2. <b>9</b> 8	<del> </del>	2.85	1.65	<b>}</b>					3.5 3.50	3.3 3.08	3.5	3.43	2.02
	1.81	1.46	1.75			1.67						2.06	1.81	1.88	3.40	1.92
													-			
a realizable of the										-					To the second se	
	) '	J	L	1	<u> </u>		<u>L</u>	1		F	<u> </u>	L			l	

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Freducti 3	7-00-03.	-UI4	and the second s		THE R. STREET, S. R. L. S.	na nasangangananan	g selese americans	and the second second	A Martin Cr. Ad B & column	****	- Carlotte Control Control	j Water Adril Album manaka d	or Auropeanage	area i deliment en ca	r. Setemenanses	NGE 42
SAMPLE			ELCO	METER				M	IKROTES	T			-	FINSLEY		
& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	I-4	I-1	E-3		MILS	OZ/SF				MILS	OZ/SF	G <b>-</b> 1	E-3	C-1	MILS	OZ/SF
55 <b>-</b> 3A	2.8	2.5	3.0		2.77	1.63						3.5	3.2	3.5	3.40	2.00
В	3.4	3.0	3.3	1	3.23	1.90	1					4.0	3.5	4.0	3.83	2.25
C D	3.0 3.0	2.7	2.9 3.1	}	2.87 3.00	1.69 1.76						3.0	2.5	2.8	2.77	1.63
E	3.0	2.3	2.7		2.67	1.57						3.5 3.0	3.5 2.5	4.0 2.7	3.67 2.73	2.16 1.61
Avg. Mils	3.04	2.68	3.00		2.91							3.40	3.04	3.40	3.28	1.01
Avg.OZ/SF	1.79	1.58	1.76			1.71						2.00	1.79	2.00		1.93
		İ	İ	ĺ										·		
55 <b>-</b> 4A	3.0	2.7	2.9		2.87	1.69						4.0	3.0	3.5	3.50	2.06
В	3.0	2.2	3.0		2.73	1.61	]					4.0	2.5	3.0	3.17	1.86
C D	3.0 3.4	2.5	3.0 3.2		2.83	1.67 1.78						3.5 3.5	3.0	3.5	3.33	1.96
E	2.8	2.5	3.0	}	2.77	1.63	]					3.5	3.0 3.0	3.5 3.5	3.33 3.33	1.96 1.96
Avg. Mils	3.04	2.48	3.02		2.85							3.70	2.90	3.40	3.33	
Avg.OZ/SF	1.79	1.46	1.78			1.68						2.18	1.71	2.00		1.96
				İ												
55-5A	2.8	2.3	2.9		2.67	1.57						3.5	3.0	3.5	3.33	1.96
В	2.8	2.7	2.8	Ì	2.77	1.63						3.0	2.8	3.0	2.93	1.73
C D	3.4 3 <b>.0</b>	2.8 2.9	3.2		3.13	1.84 1.74	ĺ					3.5 3.5	2.8 2.5	3.0 2.8	3.10 2.93	1.82 1.73
E	3.0	2.9	2.9		2.93	1.73	İ					3.5	3.0	3.5	3.33	1.73 1.96
Avg. Mils	3.00	2.72	2.96		2.89							3.40	2.82	3.16	3.13	
Avg.OZ/SF	1.76	1.60	1.74	ļ		1.70	ļ					2.00	1.66	1.86		1.84
			1				i									
56-1A	3.0	3.5	3.0		3.17	1.86						3.5	3.0	4.0	3.50	2.06
В	3.0	3.3	3.1	į	3.13	1.84						4.0	3.5	3.5	3.67	2.16
C D	3.0 2.6	3.5 2.5	2.9		3. <b>1</b> 3 2.63.	1.84 1.55	1					4.0 3.0	3.5	3.5 3.5	3.67 3.33	2.16 1.96
E	3.6	3.4	3.4		3.47	2.04	l					3.0	3.3	3.5	3.33	1.96
Avg. Mils	3.04	3.24	3.04		3.11							3.50	3.34	3.60	3.48	
Avg.OZ/SF	<b>1.</b> 79	1.91	1.79	ļ		1.83	<b> </b>					2.06	1.96	2.12		2.05
			<u> </u>													
			<u>.</u>		].											

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TABLE II MAGNETIC GAGE MEASUREMENTS

PROJECT: 3-08-69-014

SAMPLE .	The second		El.C0	METER		A Transition of the Constitution of the Consti	MERCENICA STRUCTURE COLISIONA	M)	KROTES	T	te beneve to the desire of your / v	PROPERTY OF THE PROPERTY OF THE	en arenderare del como como del ser	CINSLEY	naramenta esp	a Tourist destriction, ou a
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG.
LOCATION	I-4	I-1	E-3		MILS	OZ/SF				MILS	OZ/SF	G-1	E-3	C-1	MILS	OZ/SF
56 <b>-</b> 2A	3.2	3.0	3.3		3.17	1.86						3.5	3.5	4.5	3.83	2.25
В	3.0	3.2	3.2		3.13	1.84						3.0	3.0	3.5	3.17	1.86
C	3.8	3.5	3.2		3.50	2.06					ļ.	4.0	3.3	3.5	3.60	2.12
D	3.4	2.9	3.2		3.17	1.86						4.0	3.3	4.0	3.77	2.22
E Avg. Mils	3.4	3.0	3.0		3.13	1.84						4.0	4.0	3.5	3.83	2.25
	1.98	1.84	3.18 1.87		3.22	1.90						3.70	3.42		3.64	0.17
1108.02/51	1.70	1.04	1.07			1.90				ļ		2.18	2.01	2.24		2.14
		1														
56-3A	2.8	2.6	3.0		2.80	1.65		,				3.0	2.8	3.5	3.10	1.82
В	3.2	2.9	2.8		2.97	1.74						3.5	3.0		3.33	1.96
C	4.0	3.7 .	3.6		3.77	2.22						4.0	4.0	3.5	3.83	2.25
. D	3.4	2.9	3.4		3.23	1.90						3.0	2.8	3.0	2.93	1.73
E	3.0	2.9	3.0		2.97	1.74	All the state of the State of					4.5	3.0	3.2	3.57	2.10
	3.28	3.00	3.16	1	3.15							3.60	3.12		3.35	
Avg.OZ/SF	1.93	1.76	1.86			1.85			-			2.12	1.84	1.96		1.97
							4									
56-4A	3.0	3.2	3.2		3.13	1.84						2 5		2.0	2 27	1 00
В В	3.4	3.1	3.4		3.30	1.94						3.5 3.5	3.3 3.3		3.27	1.92
, c	3.4	2.5	3.0		2.97	1.74						3.5	3.0	3.5 3.5	3.43 3.33	2.02 1.96
D	3.0	3.0	3.0		3.00	1.76						3.0	3.5	3.5	3.33	1.96
E	3.2	2.9	3.0		3.03	1.78						2.5	2.9	3.0	2.80	1.65
Avg. Mils	3.20	2.94	3.12		3.09						l	3.20	3.20	3.30	3.23	H
Avg.OZ/SF	1.88	1.73	1.84			1.82						1.88	1.88	1.94		1.90
			THE CONTRACTOR OF THE CONTRACT			MODEL SELECTION AND ASSESSED.		***************************************						**************************************		
56-5A	2.8	3.1	3.0	•	2.97	<b>1.</b> 74						2.5	2.5	2 -	2 50	200
B B	2.8	3.1	3.4	ļ	3.10	1.82						3.5 3.5	3.5 3.5	3.5 3.5	3.50 3.50	2.06
C	3.6	3.3	3.4		3.43	2.02						3.5	3.3	3.0	3.23	1.90
D	3.0	3.3	3.4		3.23	1.90						4.0	3.5		3.67	2.16
E	2.8	2.6	3.0		2.80	1.65						3.0	2.8		3.10	1.82
1	3.00	3.08	3.24	<u> </u>	3.11							3.50	3.30	ar minorial description and	3.40	
. ~	1.76	1.81	1.91			1.83						2.06	1.94	2.00		2.00
1													AND THE PERSON NAMED AND ADDRESS OF TAXABLE PARTY.			
															]	
1		<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>			<u> </u>	<u> </u>	<u> </u>	<u> </u>		1	L

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PROJECT: 3-08-69-014

SAMPLE .		C The Charles & Marin Visid Tanagas	El.CO	METER	Printer and State of the State		A STANSON OF A CASE OF A STANSON	М	IKROTES	Ţ	MANUTE THE PROPERTY OF THE PART		Period Service Services (1997)	TINSLEY	OF COST WORK IN DIRECTION OF	e thiburius en yasa rae i
& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	02TR	OPTR	OPTR	AVG	AVG
LOCATION	I-4	I-1	E-3	I-3	MILS	OZ/SF	E-3	E-2	I-1	MILS	OZ/SF	G-1	E-3	C-1	MILS	OZ/SF
1-1A	3.4	3.3	3.7	3.8	3.55	2.09	2.5	2.9	3.6	3.00	1.76	4.0	3.5	3.5	3.67	2.16
B C	3.4	3.7	3.7 3.9	4.0 4.2	3.70 3.92	2.18 2.31	3.1 2.0	4.1	2.7	3.30 2.43	1.94 1.43	4.0 3.5	3.5 3.2	3.5	3.67 3.40	2.16
D	3.4	3.9	3.9	4.0	3.80	2.24	2.8	3.4	2.9	3.03	1.78	4.0	3.5	4.0	3.83	2.25
E Avg. Mils	3.4	3.82	4.0 3.84	4.2	3.90	2.29	3.0 2.68	3.3	2.6	2.97 2.95	1.74	4.5	3.5	3.5	3.83	2.25
Avg.OZ/SF	2.00	2.25	2.26	2.38	3.70	2.22	1.58	1.93	1.69	2.55	1.73	2.35	2.02	2.12	3.00	2.16
																·
1-2A	3.2	3.7	3.4	4.0	3.58	2.10	3.0	4.3	2.2	3.17	1.86	4.0	3.5	4.0	3.83	2.25
В . С	3.4 3.4	3.9	3.5	4.2 3.8	3.75 3.75	2.21	2.4 1.9	2.3	2.4 4.1	2.37	1.39	3.5	3.3	3.5	3.43	2.02
D	4.0	INF	4.7	5.0	(4.57)	(2.69)	5.1	4.2	3.6	4.30	2.53	4.5 5.0	3.7 4.8	4.0 5.0	4.07	2.39 2.90
E	4.4	INF	INF	INF	(4.40)	(2.58)	4.5	4.3	4.3	4.37	2.57	5.5	4.5	5.0	5.00	2.94
Avg. Mils Avg.OZ/SF		(3.83) (2.25)	(3.88) (2.28)	(4.25) (2.50)	(3.91)	(2.30)	3.38 1.99	3.56 2.09	3.32 1.95	3.42	2.01	4.50 2.65	3.96 2.33	4.30 2.53	4.25	2.50
				<u> </u>				<del></del>								
1-3A	4.2	INF	5.0	INF	(4.60)	(2.70)	4.0	4.8	4.0	4.27	2.51	5.0	4.5	5.0	4.83	2.84
В	4.0	INF	4.9		(4.63)	(2.72)	5.0	4.1	2.7	3.93	2.31	4.5	4.5	5.0	4.67	2.74
C D	4.2 3.8	INF INF	INF 4.4	INF INF		(2.47) (2.41)	4.5 4.2	5.1 4.7	4.7 4.5	4.77	2.80 2.63	5.5 6.0	5.0 5.0	5.5 5.0	5.33 5.33	3.14 3.14
E	4.0	INF	5.0	INF	(4.50)	(2.64)	3.6	4.4	3.9	3.97	2.33	5.5	5.2	5.5	5.40	3.18
Avg. Mils Avg.OZ/SF	4.04 2.37	-	(4.82) (2.83)	(5.00) (2.94)	(4.64)	(2.71)	4.26 2.51	4.62 2.72	3.96 2.33	4.28	2.52	5.30 3.12	4.84 2.85	5.20 3.06	5.11	3.01
			12-13-7	5=-5-17		7= =>										
1-4A	5.0	INF	INF	INF	(5.00)	(2.94)	5.0	4.7	5.0	4.90	2.88	6.0	5.0	5.5	5.50	3.24
В	4.8	INF	INF	INF	(4.80)	(2.82)	5.0	4.8	4.8	4.87	2.86	7.0	5.5	6.0	6.17	3.63
C D	4.8 4.8	INF	INF INF	INF INF		(2.82) (2.82)	5.0 5.1	4.4 5.9	4.6 5.0	4.67 5.33	2.74 3. <b>1</b> 4	5.0 5.0	4.7 5.5	5.5 5.0	5.07 5.17	2.98
E	4.4	INF	INF	INF	(4.40)	(2.58)	5.0	5.5	4.0	4.83	2.84	5.5	4.8	5.0	5.10	3.00
Avg. Mils Avg.OZ/SF	4.76 2.80	-	-	-	(4.76)	(2.80)	5.02 2.95	5.06 2.98	4.68 2.75	4.92	2.89	5.70 3.35	5.10 3.00	5.40 3.18	5.40	3.18
11.0.013/101	1		<del>                                     </del>	<del> </del>		2.00)	<del></del>	1							->	1
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SAMPLE .	A C T A C T S A C A S	Observation and One and Property and	El.CO	METER	***************************************	or two country to be the total	WINDS CONTROL OF	M	IKROTES	T	er. Mark. A., typera tel <sub>ese</sub> ny	o Beautifus, catalography and a		TINSLEY	h kramonasakan ereter.	(Constitution of the
&	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	ΛVG
LOCATION	I-4	I-1	E-3	I <b>-</b> 3	MILS	OZ/SF	E-3	E-2	I-1	MILS	OZ/SF	G-1	E-3	C-1	MILS	0Z/SF
1-5A	4.8	INF	INF	INF	(4.80)	(2.82)	5.0	5.3	5.4	5.23	3.08	6.5	5.0	5.5	5.67	3.33
В	4.6	INF	4.9	INF	(4.75)		4.0	6.3	4.3	4.87	2.86	5.0	4.8	5.0	4.93	2.90
C D	4.4 5.0	INF	4.9	5.0	(4.77)	(2.80)	4.2	4.5	3.7	4.12	2.43	7.0	5.0	6.0	6.00	3.53
E	3.1	INF 3.4	INF 3.8	INF 4.0	(5.00) 3.58	(2.94) 2.10	4.9 3.0	5.5 4.5	4.9 3.9	5.10 3.80	3.00 2.24	6.0 4.5	4.5 3.5	5.0 4.0	5.17 4.00	3.04
Avg. Mils			(4.53)	(4.50)	(4.20)	2.10	4.22	5.22	4.44	4.63	2.24	5.80	4.56	5.10	5.15	2.35
Avg.OZ/SF	2.58	(2.00)	(2.67)	(2.65)		(2.48)	2.48	3.07	2.61	arsandari care esa	2.72	3.41	2.68	3.00		3.03
	Section 2						are was desirable for the control	. Philipped o drawing	and the state of t	en en en en en en en en en en en en en e		**************************************				
2-1A	3.5	4.0	4.2	4.4	4.02	2.37	2.9	3.9	3.6	3.47	2.04	5.5	4.0	4.5	4.67	2.74
В	4.0	3.7	3.7	4.2	3.90	2.29	3.2	2.8	4.5	3.50	2.06	5.0	3.8	4.0	4.27	2.51
· C	4.0	4.0	3.9	4.6	4.12	2.43	3.1	3.3	4.8	3.73	2.20	4.5	4.0	4.5	4.33	2.55
. D	4.2	4.5	4.2	4.8	4.42	2.60	3.4	4.2	4.5	4.03	2.37	5.0	4.5	4.5	4.67	2.74
E Avg. Mils	4.2 3.98	4.1	4.2	4.8 4.56	4.32	2.54	3.4	3.7	5.1	4.07	2.39	5.0	4.0	4.5	4.50	2.65
Avg. MIIS	2.34	2.39	2.38	2.68	4.16	2.45	3.20 1.88	3.58 2.11	4.50 2.65	3.76	2.21	5.00 2.94	4.06 2.39	4.40 2.59	4.49	2.64
	Section Control of the Control of th						1.00				2.21	2.54	2	2,00		2.04
2-2A	3.8	3.7	3.8	4.6	3.98	2.34	3.4	3.4	4.6	3.80	2.24	4.5	4.0	4.0	4.17	2.45
В	3.6	3.6	3.7	4.4	3.82	2.25	3.0	3.5	4.1	3.53	2.08	4.5	3.5	4.0	4.00	2.35
C	3.6	4.0	3.8	4.2	3.90	2.29	2.9	3.6	4.0	3.50	2.06	5.0	4.0	4.0	4.33	2.55
D	3.8	3.8	3.8	4.4	3.95	2.32	2.9	3.1	4.1	3.37	1.98	5.0	3.5	4.0	4.17	2.45
E Avg. Mils	4.0 3.76	4.2 3.86	4.1 3.84	4.8 4.48	4.28 3.98	2.51	3.1 3.06	4.3 3.58	4.8 4.32	4.07 3.65	2.39	5.5 4.90	4.0 3.80	4.0 4.00	4.50 4.23	2.65
Avg. MIIS Avg.OZ/SF	2.21	2.27	2.26	2.64	3.90	2.34	1.80	2.11	2.54	3.65	2.15	2.88	2.24	2.35	4.23	2.49
11.6.02, 51			1	2.0			1.00	English (Control of the Control of t			2.13	2.00	2.27	2.33		2.4)
2-3A	4.0	4.3	3.9	4.6	4.20	2.47	2.9	3.5	3.6	3.33	1.96	5.0	3.5	3.5	4.00	2.35
В	3.6	3.5	3.7	4.0	3.70	2.18	2.7	3.0	2.7	2.80	1.65	4.0	3.5	4.0	3.83	2.25
С	4.2	4.3	4.3	5.0	4.45	2.62	3.9	4.3	3.2	3.80	2.24	5.0	4.0	4.0	4.33	2.55
D	4.0	3.8	4.0	4.8	4.15	2.44	3.4	3.7	3.4	3.50	2.06	4.5	4.0	4.0	4.17	2.45
E Mila	4.2	4.0 3.98	4.2 4.02	4.60	4.25 4.15	2.50	3.1	3.3	3.9	3.43	2.02	5.0 4.70	3.80	4.5	4.50	2.65
Avg. Mils Avg.OZ/SF	2.35	2.34	2.36	2.71	4.13	2.44	1.88	3.56 2.09	1.98	3.37	1.98	2.76	2.24	4.00 2.35	4.17	2.45
1 8 9 2 7 8							1.00		1.70	$\rightarrow$	1.70	2.70	2.2-	2.55	<del>                                     </del>	'-
1	<u> </u>	<u> </u>	<u> L</u>	l .	<u> </u>					<u> </u>		l	<u> </u>	<u> </u>	<u> </u>	

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PROJECT: 3-08-69-014 PAGE 46

PKUJEUI:	J-00-03	7-014	Printer Team was a series or .												P	NUE 46
SAMPLE .		,	EL.CO	METER		***************************************	**************************************	M	IKROTES	T			water see.	TINSLEY	Talente de la Ta	u tagent a tert 19,70.
& .	OPTR	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG	OPTR	OPTR	OPTR	AVG	AVG
LOCATION	I-4	I-1	E-3	I-3	MILS	OZ/SF	E-3	E-2	I-1	MILS	07./SF	G-1	E-3	C-1	MILS	OZ/SF
2 <b>-</b> 4A	3.6	3.7	3.9	4.4	3.90	2.29	2.3	2.5	2.9	2.57	1.51	4.0	3.5	4.0	3.83	2.25
B C	3.8 3.8	3.9 4.0	3.9 3.6	4.4 4.6	4.00	2.35	3.1	4.0 3.4	3.5 2.7	3.53 2.83	2.08 1.67	4.5 4.0	4.0 3.5	4.5	4.33	2.55
D	4.0	4.1	4.1	4.8	4.25	2.50	3.4	3.8	4.2	3.80	2.24	5.0	3.8	3.5 4.0	3.67 4.27	2.16 2.51
E Avg. Mils	4.0 3.84	3.8	3.9	4.4	4.02	2.37	2.5	3.3	4.5	3.43	2.02	5.0	4.0	4.0	4.33	2.55
~	2.26	2.29	3.88 2.28	4.52 2.66	4.04	2.37	2.74	3.40 2.00	3.56 2.09	3.23	1.90	4.50 2.65	3.76 2.21	4.00 2.35	4.09	2.40
2-5A	3.8	3.7	3.8	4.4	3.92	2.31	2.5	3.1	3.8	3.13	1.84	4.5	3.8	3.5	3.93	2.31
В . С	3.6 3.6	3.5	3.8 4.0	4.2 4.4	3.78 3.92	2.22	3.2 3.1	3.0	3.6	3.27	1.92	4.0	3.7	4.0	3.90	2.29
D D	4.2	4.2	4.6	4.6	4.40	2.31 2.59	3.2	3.5 3.2	3.3 3.6	3.30 3.33	1.94 1.96	4.5 4.5	3.5 3.5	4.0 4.0	4.00 4.00	2.35
E	3.8	3.5	3.5	4.0	3.70	2.18	2.3	2.3	2.2	2.27	1.33	4.5	3.5	3.5	3.83	2.25
	3.80 2.24	3.72 2.19	3.94 2.32	4.32 2.54	3.94	2.32	2.86 1.68	3.02 1.78	3.30 1.94	3.06	1.80	4.40 2.59	3.60 2.12	3.80 2.24	3.93	2.32
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### TABLE II-A

Microtest Readings - Uncorrected (Galvanized Samples)

### TABLE II-A MIKROTEST READINGS - UNCORRECTED

PROJECT: 3-08-69-014

PAGE 1

SAMPLE &	OPERAT	OR: I-	-2	OPERATO	OR: E-2	2	OPERAT	OR: E-	3
LOCATION	MILS	OZ/SF	% ERROR	MILS	oz/sf	% ERROR	MILS	OZ/SF	% ERROR
10-1 2 3 4 5	3.18 3.98 5.40 5.18 4.90	1.87 2.34 3.18 3.05 2.88	- 30.5 - 28.4 + 6.0 + 3.7 + 3.6	3.76 4.86 5.20 5.02 3.98	2.21 2.86 3.06 2.95 2.34	- 17.8 - 12.5 + 2.0 + 0.3 - 15.8	3.40 3.36 4.90 4.74 4.54	2.00 1.98 2.88 2.79 2.67	- 25.6 - 39.4 - 4.0 - 5.1 - 4.0
11 <b>-</b> 1 2 3 4 5	7.90 8.30 8.20 6.80 7.60	4.88 4.82	+ 8.4 - 3.9 - 3.6 - 13.2 - 14.8	6.72 7.70 8.22 6.38 7.96	3.95 4.53 4.84 3.75 4.68	- 7.9 - 10.8 - 3.2 - 18.6 - 10.8	7.10 8.10 8.00 6.70 8.28	4.18 4.76 4.71 3.94 4.87	- 2.6 - 6.3 - 5.8 - 14.5 - 7.2
12 <b>-</b> 1 2 3 4, 5	3.90 3.90 4.88 5.06 6.50	2.29 2.87	- 11.9 + 17.4 + 44.2 + 56.8 + 10.1	3.80 3.78 5.10 4.00 5.80	2.2l <sub>4</sub> 2.22 3.00 2.35 3.41	- 13.8 + 13.8 + 50.8 + 23.7 - 1.7	3.76 3.70 4.72 3.98 5.62	2.21 2.18 2.78 2.34 3.31	- 15.00 + 11.8 + 39.7 + 23.2 - 4.6
13 <b>-</b> 1 2 3 4 5	3.70 4.30 4.40 4.30 3.42	2.53 2.59 2.53	- 12.8 + 4.5 + 7.5 - 1.9 - 14.8	3.30 3.76 4.60 3.74 3.12		- 22.4 - 8.7 + 12.4 - 14.7 - 22.0	3.56 3.50 3.62 3.06 3.02	2.09 2.06 2.13 1.80 1.78	- 16.4 - 14.9 - 11.6 - 30.2 - 24.6
14-1 2 3 4 5	4.40 4.70 3.80 4.10 3.44	2.76 2.24 2.41	+ 10.2 + 23.2 - 13.2 + 9.0 - 12.6	3.42 3.04 3.14 3.40 2.96	1.79 1.85	- 14.5 - 20.1 - 28.3 - 9.5 - 24.7	3.22 2.90 3.06 3.04 2.90	1.89 1.71 1.80 1.79 1.71	- 19.6 - 23.7 - 30.2 - 19.0 - 26.0
15 <b>-</b> 1 2 3 4 5	3.74 5.20 5.30 3.80 4.10	3.06 3.12	- 17.9 - 10.8 + 0.3 - 18.5 - 0.8	3,48 5,34 5,02 3,62 3,40		- 23.5 - 8.4 - 5.1 - 22.5 - 17.7	3.54 5.46 5.24 4.02 3.86	2.08 3.21 3.08 2.36 2.27	- 22.4 - 6.4 - 1.0 - 14.2 - 6.6
20-1	4.02	ron: E=2 2.36	<b>- 1.</b> 2	4.10	OR: I-2 2.41	+ 0.8	3.88	OR: I-1 2,28	- 4.6
2 3 4 5	3.54 3.34 3.10 3.46	1.96	- 10.3 - 18.3 - 22.9 - 15.0	3.72 4.30 3.50 3.72	2.19 2.53 2.06 2.19	- 5.6 + 5.4 - 12.7 - 8.8	3.46 3.62 3.46 3.72	2.04 2.13 2.04 2.19	- 12.1 - 11.2 - 13.6 - 8.8
21 <b>-</b> 1 2 3 4 5	11.24 10.26 9.46 7.84 11.34	5.56 4.61	+ 6.1 + 8.4 + 1.4 - 1.9 + 31.6	12.00 11.60 9.40 7.70 11.00	7.06 6.82 5.53 4.53 6.47	+ 13.3 + 22.4 + 0.9 - 3.6 + 27.6	12.80 10.94 9.90 9.06 11.76	7.53 6.44 5.82 5.33 6.92	+ 20.9 + 15.6 + 6.2 + 13.4 + 36.5
			* Land	(Conti	nued)				

### TABLE II-A MIKROTEST READINGS - UNCORRECTED

PROJECT: 3-08-69-014

PAGE 2

SAMPLE &	OPERAT	ror: e-2		OPERATO	OR: I-2	)	OPERAT	PAC COR: I-	
LOCATION	MILS	OZ/SF	% ERROR	MILS	OZ/SF	% ERROR	MILS	OZ/SF	% ERROR
22 <b>-</b> 1 2 3 4 5	2.76 3.00 2.94 3.54 2.58		- 21.0 - 14.6 - 17.2 - 10.3 - 26.2	2.94 3.26 3.10 3.72 3.00	1.73 1.92 1.82 2.19 1.76	- 15.6 - 6.8 - 12.9 - 5.6 - 14.6	3.38 3.52 3.18 3.80 2.92	1.99 2.07 1.87 2.24 1.72	- 2.9 + 0.5 - 10.5 - 3.4 - 16.5
23 <b>-</b> 1 2 3 4 5	4.80 3.96 5.10 4.04 5.60	2.33 3.00 2.38	- 10.5 - 24.1 - 15.2 - 19.9 + 1.8	4.76 4.20 6.10 4.36 5.06		- 11.1 - 19.5 + 1.4 - 13.8 - 7.7	5.40 4.26 5.86 4.50 5.20	3.18 2.51 3.45 2.65 3.06	+ 1.0 - 18.2 - 2.5 - 10.8 - 5.3
24-1 2 3 4 5	4.02 4.62 5.82 5.34 4.08	2.36 2.72 3.42 3.14 2.40	- 14.5 - 12.5 + 7.9 - 4.0 - 5.9	4.30 5.34 5.44 5.10 4.40	3.14 3.20 2.94	- 8.3 + 1.0 + 0.9 - 10.1 + 1.6	4.12 4.62 5.06 5.76 4.36	2.42 2.72 2.98 3.39 2.56	- 12.3 - 12.5 - 6.0 + 3.7 + 0.4
25 <b>-</b> 1 2 3 4 5	4.24 4.54 4.84 4.14 4.86	2.49 2.67 2.85 2.44 2.86	- 8.1 - 17.6 - 10.9 - 10.6 + 10.8	4.20 4.30 4.60 4.82 4.36	2.53 2.71	- 8.8 - 21.9 - 15.3 + 4.0 - 0.8	5.12 6.00 5.00 5.52 5.62	3.01 3.53 2.94 3.25 3.31	+ 11.1 + 9.0 - 8.1 + 19.0 + 28.3
26 <b>-</b> 1 2 3 4 5	5.60 4.36 4.40 5.32 5.14	2.56	+ 0.6 - 19.0 - 19.1 - 21.9 - 8.5	4.60 4.30 4.00 4.50 4.90	2.53 2.35 2.65	- 17.1 - 19.9 - 26.6 - 33.9 - 12.7	4.88 4.26 3.90 4.72 4.56	2.87 2.51 2.29 2.78 2.68	- 12.2 - 20.6 - 28.4 - 30.7 - 18.8
26 717		OR: E-1	. 01		R: I-1			OR: E-3	
36 <b>-</b> 1F 2F 3F 4F 5F 1W 2W 3W 4W	4.34 3.98 4.26 4.60 4.86 4.98 5.46 4.18 5.00	2,34 2,51 2,71 2,86 2,93 3,16 3,21 2,46	+ 21.2 + 21.7 + 21.0	3.48 3.62 4.68 5.44 5.36 4.62 4.22 5.02 4.08	2.05 2.13 2.75 3.20 3.15 2.72 2.59 3.07 2.95 2.40	+ 33.5 - 17.5 - 1.2	3.50 3.96 3.88 3.66 4.00 4.92 3.96 5.08 4.30 3.74	2.06 2.33 2.28 2.15 2.35 2.89 2.33 2.99 2.53 2.20	- 0.4 - 19.6 - 9.5
37 <b>–</b> 1F 2F 3F 4F 5F	3.80 3.72 3.46 3.94 3.58	2.24 2.19 2.04 2.32 2.11	+ 7.4 + 5.9	3.54 3.72 3.60 4.00 4.40	2.08 2.19 2.12 2.35 2.59	+ 7•l <sub>4</sub> + 7•3	3.54 3.32 3.18 4.04 3.70	2.08 1.95 1.87 2.38 2.18	- 4.4 + 8.7

#### TABLE · II -A MIKROTEST READINGS - UNCORRECTED

311

LW

511

9.70

9.20

8.30

5.71

5.41

4.88

- 6.0

PROJECT: 3-08-69-014 PAGE 3 SAMPLE OPERATOR: E-1 OPERATOR: I-1 OPERATOR: E-3 80 % % % LOCATION OZ/SF MILS MILS OZ/SF MILS OZ/SF ERROR ERROR ERROR 37-1W 4.36 2.56 4.54 2.67 3.68 2.16 2W 3.18 1.87 - 20.1 - 14.6 2.98 1.75 3.00 1.75 - 19.6 3W 3.44 2.02 3.36 1.98 3.22 1.89 MIL 3.90 2.29 + 6.8 + 3.6 4.02 2.36 3.50 2.06 - 6.8 511 3.58 2.11 3.11 1.85 3.58 2.11 38-1F 3.90 2.29 - 4.6 4.38 2.58 + 7.5 4.84 2.85 + 18.8 2F 3.40 2.00 - 4.3 3.60 2.12 1.1 3.78 2.22 + 6.2 31 2.06 3.50 4.16 2.145 2.56 4.36 4F 4.36 2.56 3.68 2.16 3.88 2.28 5F 3.62 2.13 4.21 2.49 3.82 2.25 IW 3.26 + 2.0 + 9.0 1.92 4.5 3.1,8 2.05 3.72 2.19 211 3.16 1.86 - 5.4 9.3 3.30 1.94 14.14 3.34 1.96 31/1 2.58 4.38 3.26 1.92 3.62 2.13 1111 3.62 2.13 3.28 1.86 1.93 3.16 5W 3.84 2.26 3.50 2.12 3.60 2.12 OPERATOR: G-1 OPERATOR: E-1 OPERATOR: E-3 44-1F 11.10 6.53 11.70 - 24.5 6.88 6.69 11.38 - 26.6 2F 10.10 5.94 6.29 10.20 6.00 10.70 317 5047 9.80 9.30 - 30.7 5.76 - 27.0 9.60 5.65 - 28.4 1<sub>4</sub>F 9.70 5.71 10.14 6.14 10.50 6.18 5F 9.60 5.65 10.24 6.02 10.40 6.12 IW 11.00 6.47 11.50 6.76 6.65 11.30 2V.J 11.20 6.59 11.60 6.82 11.60 6.82 6.00 311 10.20 - 5.1 10.80 6.35 + 0.5 10.80 6.35 + 0.5 1471 10.80 11.80 6.35 6.94 11.10 6.71 - 16.6 511 6.82 11.60 12.30 7.24 - 11.5 12.00 7.06 - 13.7 45-17 9.00 5.29 + 2.3 8.90 5.23 + 1.2 9.10 5.35 3.5 つけ 8.30 4.88 8.40 8.70 5.12 4.94 317 4.65 7.90 7.94 4.67 8.00 4.71 LF. 4.53 7.70 7.86 4.62 7.70 4.53 5F 4.53 7.40 4.35 7.70 7.76 4.56 W 10.20 6.06 6.00 + 6.6 10.00 5.88 404 10.30 + 7.6 5.91 .2W 9.80 5.76 10.04 10.10 5.94 31.1 9.20 5.41 50/14 5.53 9.110 9.24 5.12 LW 8.70 8.68 8.80 5.11 5.18 5W 8.20 4.82 - 22.2 5.08 5.06 8.64 - 18.1 8.60 - 18.4 46-11 9.50 5.59 + 1.6 8.82 5.19 5.6 9.70 5.71 + 3.8 21 5.32 9.10 5.35 9.04 9.00 5.29 5.06 3F 9.10 5.35 9.14 5.38 8.60 110 8.30 8.16 4.80 4.88 7.90 1:065 SF 8.70 5.12 + 11:0 7.66 4.51 0.1 7.60 4.47 0.4 lW 5.73 10.10 5.94 9.74 9.80 5.76 2M 5.65 10.50 6.18 9.6 5.93 10.08 5.1 9.60 + 0.2

9.66

8.66

8.46

5.68

5.09

1:.98

5.65

4.94

4.76

- 8.3

9.60

8.110

8.10

4.0

## TABLE II-A MIKROTEST READINGS - UNCORRECTED

PAGE 4

PROJECT: 3-08-69-014

SAMPLE &	OPERAT	ror: e-	1	OPERATO	OR: I-1		OPERAT	OR: E-	·3
LOCATION	MILS	oz/sf	% ERROR	MILS	OZ/SF	% ERROR	MILS	OZ/SF	% ERROR
47 <b>-1</b> F 2F 3F 4F 5F 1W 2W 3W 4W 5W	8.30 8.80 8.30 8.90 8.20 9.20 9.60 8.40 9.10	4.88 5.18 4.88 5.24 4.82 5.41 5.45 4.94 5.35	- 3.5 - 9.2 - 3.4 - 9.0	9.00 9.14 9.10 8.80 8.62 9.34 10.10 8.60 9.96 9.36	5.29 5.38 5.18 5.49 5.94 5.86 5.86 5.51	+ 0.2 - 4.5 + 1.5 - 6.8	8.80 9.70 8.60 8.50 8.40 9.80 10.00 9.00 9.60 9.40	5.18 5.71 5.06 5.00 4.94 5.88 5.88 5.65 5.53	+ 6.3 - 7.0 + 0.5 - 2.6
48-1F 2F 3F 4F 5F 1W 2W 3W 4W	7.90 7.90 8.20 7.60 7.60 10.30 10.20 9.30 9.20	4.65 4.65 4.82 4.47 6.41 6.06 6.00 5.47 5.41	- 4.4 - 7.3 - 5.6	8.64 8.54 8.44 8.30 8.36 11.62 11.00 11.14 10.14	5.08 5.02 4.96 4.88 4.92 6.84 6.47 6.55 6.04	- 1.6 + 1.2 + 0.7	8.00 8.60 8.60 8.20 8.60 11.80 11.00 9.80 9.70	4.71 5.06 5.06 4.82 5.06 6.94 6.47 6.47 5.76 5.71	+ 0.4 0.0 + 2.2
_		OR: E-3		OPERAT	OR: E-2			OR: I-1	
1 <b>-</b> 1 2 3 4 5	3.68 4.38 5.26 6.02 5.22	2.16 2.58 3.09 3.54 3.07	- 24.7 + 43.3 + 19.3 + 28.3 +129.1	3.78 4.06 5.12 5.56 5.72	2.22 2.39 3.01 3.27 3.36	- 22.6 + 32.8 + 16.2 + 18.5 +150.7	3.88 4.32 4.96 5.68 5.44	2.28 2.54 2.92 3.34 3.20	- 20.6 + 41.1 + 12.7 + 21.0 +138.8
2 <b>-</b> 1 2 3 4 5	4.30 4.16 4.30 3.84 3.96	2.53 2.45 2.53 2.26 2.33	- 8.3 - 4.7 - 5.2 - 9.2 - 6.0	4.28 4.28 4.26 4.10 3.72	2.52 2.52 2.51 2.41 2.19	- 8.7 - 1.9 - 6.0 - 3.2 - 11.7	5.32	3.24 3.13 2.56 2.68 2.53	+ 17.4 + 21.8 - 4.1 + 7.6 + 2.0
		. /							

### TABLE III

Operator - Gages, Percent Error (Galvanized Samples)

# TABLE III OPERATOR - CAGES PERCENT ERROR

PAGE 1

PROJECT: 3-08-69-014

METAL MIKROTEST SAMPLE THICK-STRIP THISLEY ELCOMETER UNCORRECTED CORRECTED NESS NO. TEST E-2 C-2 I-3 I-2 E-2 E-3 I-2 E-3 E-3 G-1 E-3 I-1 E-2 en meter 7.5 10-1 2.69 -15.2-14.1-14.9-17.8 -52.4-61.3-47.6 -30.5 -17.8 -25.6 -14.9 - 8.2 - 8.2 -31.5 -46.5 -57.5 21 3.27 -25.1-28.1 -30.6 -48.6 -28.4 -12.5-39.4 -27.2 -15.6-31.51/4" 3 3.00 (-21.7)(-20.0)-13.7 -37.3-23.7 + 6.0-11.7 -17.7+ 2.0 - 4.0 -15.0 - 4.0 -13.7 - 5.1 4 (-10.9)(-22.1)-16.3 -39.4 -25.2 + 3.7+ 0.32.94 (-11.9) -10.2 **-** 7.5 - 2.0 - 9.9 5 2.78 **(-11.2)** -14.4 (-13.3)(-21.2)-17.6 -58.3 -25.2 + 3.6-15.8 - 4.0 -11.2 - 6.8 | - 6.8 - 9.8 11-1 4.29 -19.1 -21.7 -23.3 + 8.4- 7.9 | - 2.6 - 8.2 | -11.0 - 6.3 2 5.08 -27.0 -22.4 -23.6 - 3.9 -10.8 - 7.3 - 2.8 -10.83/8" 3 5.00 -27.0 -15.0 -23.6 - 3.6 - 3.2 | - 5.8 - 8.2 - 5.8 - 3.6 -18.6 | -14.5 4 4.61 -38.8 -31.4 -33.6 -13.2 -18.9- 9.3 - 8.2 5 5.25 -37.3-19.8-24.0 -14.8 -10.8 | - 7.2 -11.4 - 8.2 | -10.3 12-1 2.60 - 9.6 - 3.1 **-** 7.3 **| -** 3.5 -34.2 -36.5 **-51.2 -11.9** -13.8 | -15.0 -13.8**-** 5.0 | +13.1 -12.3-36.4 +17.4 +13.8 | +11.8 +19.5 +23.6 +50.8 1.95 +35.9 +46.2 (+41.5) (+47.7)-15.9 2 1/2" 3\* 1.99 (+27.1) +43.2 (+32.2)(+36.2)+14.6 +21.1 **-** 7.5 +44.2 +50.8 +39.7 +40.7 +44.7 +41.7 4\* +25.8 +56.8 +23.2 1.90 +32.6 +38.9 +35.8 +44.2 - 7.4 -26.3 +23.7+22.1+48.4 +48.4 5 3.47 - 6.6 -18.7 -32.0 +10.1 - 1.7 | - 4.6 - 6.6 -3.4 + 8.4-- 2.0 -60.0 -46.0 -54.0 -12.8 -22.4 -16.4 -23.2 - 6.0 - 6.0 13-1 2.50 -20.0 - 0.4 -11.6 2.42 -15.3- 0.8 - 7.4 + 1.6 -44.2 -33.1-53.7 +4.5- 8.7 | -14.9 -10.0 + 2.1- 2.9 2 -41.5 -11.6 -15.4 0.0 5/8" - 4.1 -12.0 -50.6 +7.5+12.4 -14.5 3 2.41 -19.1 - 2.5 -14.5 -26.0 -11.2 -47.7 -37.6 - 1.9 -14.7 -30.2 -29.4 -24.8 -27.1 4 2.58 -27.9 - 9.7 -66.7 -22.0 | -24.6 -10.2 5 2.36 -20.3 - 0.4 -10.2 l - 3.0 -64.4 -47.0 -64.4 -14.8 -17.8 -12.7 -14.9 -34.5 -51.9 +10.2 **-14.5 | -19.6** -13.2-17.4 -12.3 14-1 2.35 -18.3- 1.7 -14.0+ 0.4 -25.9 -18.8 - 2.7 +23.2 -20.1 -23.7 -16.1 2.24 -28.1 -12.9-20.1 - 7.6 -41.1 -58.0 2 -46.5 -59.7 -13.2 -28.3 -30.2 -22.5 - 8.9 | -20.2 3/4" -14.7 **-36.0** 3 2.58 -29.8 -10.5 -20.5 -52.5 + 9.0-19.0 -12.2 + 9.0 - 6.8 - 4.1 + 3.6 -17.6 | -30.8 - 9.5 4 2.21 -11.3 - 3.2 -37.7 -45.0-59.7 -12.6 -24.7 -26.0 -19.5 - 0.9 -16.0 - 6.5 -13.0 - 2.2 2.31 -24.2

-80<sub>-</sub>

# TABLE III OPERATOR - GAGES PERCENT ERROR

PAGE 2

PROJECT: 3-08-69-014

METAL MIKROTEST THICK SAMPLE STRIP ELCOMETER TINSLEY UNCORRECTED CORRECTED ESS TEST NO. I-2 E-2E-3C-2I-3 E-3 I-1 I-2 E-2 E-3 E-3 G-1 E-2 15-1 2.68 -20.5 -15.7-17.2 | -14.6 **-**61.9 -41.0 **-**55.2 -17.9-23.5 -22.4 -19.8 -23.1 - 1.1 -45.2 | -22.2 -32.1 - 9.0 2 3.43 (-28.0)(-22.7)(-21.6)(-24.5)-10.8 - 8.4 - 6.4 -14.3 -12.51" -29.3 + 0.33.11 **(-13.5)** (- 9.3) (-10.3)-37.6 | -20.2 - 5.1 - 1.0 - 1.6 + 4.2 | - 3.5 **-15.6 (-8.0)** -61.4 | -39.6 **-**46.2 **-**18.5 2.75 -17.1 -10.9 -22.5 -18.5 -14.2-18.2- 5.8 5 2.43 - 8.2 + 1.6 -10.3 | - 0.4 **-**49.0 **| -**37.0 **-42.8 - 0.8** -17.7 - 6.6 - 6.6 - 0.8 | - 3.3 E-2 I-2 E-3 E-2 I-2 I-1I-1 I-1C-1 G-1 E-3C-1 -31.4 - 1.2 2.39 - 8.4 -50.2 -48.1 + 0.8- 4.6 20-1 - 3.3 - 7.9 +18.0-13.01 - 6.32.32 - 8.6 - 5.6 - 4.7 -60.8 -56.5 **-40.1 -10.3 -** 5.6 -12.1 +11.6 -11.2 | - 3.4 1/4" - 6.2 2.40 - 7.5 -13.3 -67.1 | -43.8 -38.3 | -18.3 + 5.4-11.2 - 4.6 **-15.0 - 9.2** -41.1 -22.9 -13.6 - 0.4 2.36 -11.4 -14.4 - 6.8 **-72.4 -62.7** -12.7 -16.1 | -15.2 5 2.40 -10.8 -10.8 - 5.0 **-64.2 -57.9** -35.8 | -15.0 - 8.8 - 8.8 + 7.9 -11.7 | - 9.2 + 9.5 + 6.1 +13.3+20.9 +22.8 21-1 6.23 -12.7-15.1 +18.0 + 7.7+ 2.9 + 8.4+22.4 +15.6 +19.4 5.57 -12.7- 9.2 + 3.4 | - 0.7 2 3/8" -19.9 -31.4 - 6.6 + 1.5 +0.9+ 6.2 +15.9 + 3.1 | - 1.3 5.48 3 +13.4 +5.14.70 -26.8 -41.3 **-** 1.7 **| -** 1.9 - 3.6 -12.3 | - 8.7 + 8.3 | - 7.1 +22.5 | +31.6 +27.6+36.5 +46.2 +30.0 | +30.0 5\* 5.07 -63.9 | -44.4 -34.6 -21.0 -15.6- 2.9 +3.4**-** 7.8 **-** 5.4 2.05 - 6.3 - 8.8 22-1 - 7.8 + 0.5+ 2.9 - 9.7 | - 2.9 -57.3 -35.4 -31.1 -14.6 - 6.8 2.06 - 6.3 - 9.7 -10.7 - 8.1 | - 4.3 -59.3 | -40.7 **-41.6 -17.2** -12.9 -10.5 + 7.2 2.09 - 7.6 - 8.1 -10.0 7/16" - 3.4 -31.5 -10.3 - 3.4 - 8.2 | - 3.4 4 2.32 - 4.7 - 8.2 -11.6 -48.3 | -31.0 - 5.6 -68.9 | -42.7 -46.1 | -26.2 -14.6-16.5 +11.2 -10.7 - 8.7 5 2.06 - 9.2 -13.6 -12.1-14.0 | -10.5 **-32.7 | -39.0 -15.9 -10.5** -11.1 + 1.0+ 4.4 23-1 3.15 (-19.0)(-19.0)(-12.4)- 0.3 -19.5 -18.2 -21.5 | -19.5 -17.6 -15.0 -14.6 **-47.2 -48.2 -35.5 -24.1** 3.07 -35.3 | -23.4 -17.5 | -15.2 +1.4- 2.5 +7.9-11.9 -10.2 5/8" 3.54 ---+ 1.0 -14.8 -18.8 -43.8 | -43.4 **-**28.6 **| -**19.9 **-13.8** -10.8 2.97 -17.2-13.8-16.24 -21.7 + 1.9- 7.7 - 5.3 - 5.3 -12.7 - 9.03.23 (-18.0)(-12.7)(-16.1)**-19.8 | -35.3** 5

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#### TABLE (II OFTRATOR - CAGES PERCENT ERROR

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METAL MIKROTEST THICK-SAMPLE STRIP ELCOMETER TIMSLEY CORRECTED UNCORRECTED NESS TEST NO. I-2 C-1 E-2E-2 I-2 I-1 E-3 I-1 I-1 G-1 E-3C-1 The state of the s .... 24-1 2.76 -12.3 -19.6 -15.2-29.3 | -40.2 -39.8 -14.5 - 8.3 -12.3-13.4 -20.6 -18.8 -25.7 | -27.3 2 3.11 **(-10.3)** (-12.9) (-11.2) -37.3 -12.5 + 1.0 | -12.5 - 9.3 - 9.3 -12.9 3/4" 3 **(-7.2)** (-22.1) (-7.2) - 5.0 -26.8 -30.3 + 7.9+ 1.0 | - 6.0 - 9.1 **-** 5.4 **-**12.9 3.17 4 3.27 (-19.0) (-22.6) (-19.0)-16.5 | -37.0 **-19.9 -** 4.0 -10.1 + 3.7-13.8 -13.8 | -19.0 -11.4 - 7.8 -29.4 - 5.9 5 - 3.5 -22.0 | -32.9 +1.6 + 0.42.55 -12.2-10.2 | -12.2 25-1 2.71 (-30.6) (-32.8)-29.5 | -30.6 - 6.3 | - 8.1 - 8.8 +11.1 - 9.6 - 8.8 | -15.5 2\* 3.24 (-32.7) (-43.8) (-42.9) -35.8 | -40.1 **-** 5.6 **-**17.6 -21.9 + 9.0-23.8 -21.9 -25.6 7/8" (-28.4) (-34.4) (-30.6) -30.2 | -33.8 -22.8 -10.9 -15.3 - 8.1 -13.8 -22.8 -28.4 3\* 3.20 4 2.73 (-11.0) (-22.3) (-28.9) -32.2 -17.6 + 1.8 -10.6 + 4.0 | +19.0 - 5.1 - 7.3 | -22.3 - 4.3 5 (-17.1) (-20.2) (-25.6) -12.0 | -23.2 -10.1 +10.8 - 0.8 +28.3 - 8.9 | -15.5 2.58 **-17.1** | **-12.2** 26-1 3.27 **-15.6** (-16.2) (-17.7) -13.8 | -53.2 -17.7 + 0.6-17.1-28.1 | -31.5 -33.9 | -57.3 -19.9 | -20.6 -12.6 $-32.9 \mid -32.9$ -26.3 -19.0 2 3.16 -21.2 (-24.1) -19.3 -17.2 1 " -20.9 | -19.1 | (-20.0) -33.8 | -63.1 -33.8 -19.1 -26.6 | -28.4 -31.9 | -31.9 3.20 -33.7 | -63.3 **-**35.2 **-**21.9 -33.9 | -30.7 -29.7 -31.2 -42.9 4\* 4.01 (-26.7) -22.7 | -48.2 -23.9 - 8.5 -12.7-18.8 -14.5-23.3 | -32.1 3.30 **!**-18.5) |(-19.7) |(-19.1) I-1 E-3 G-1 I-1 E-3 I-4 I-1 E-1 I-1 E-3 E-1 E-3-85.8 +24.4 + 0.0+ 0.5 - 2.4 +0.5- 0.5 - 4.4 -53.2 -80.5 36-1F 2.05 - 5.4 +11.23/16 3.72 -44.1 (-36.8)-45.2 -53.2 | -61.8 -67.2 -13.7 -17.5 | -19.6 -32.0-30.4 -26.63W★ -46.2 | -36.0 **-**75.0 **+**21.2 +33.5 - 0.4 -12.7-3.0 + 3.85F 2.36 -17.4 - 3.4 -21.2 -39.5 | -69.1 -81.9 +21.0 - 1.2 | - 9.5 -16.0 - 5.8 | -12.3 -23.9 -16.9-30.45W 2.43 -35.8 | -30.4 **-61.8 +** 7.4 + 7.4 - 4.4 - 2.4 + 1.0 | - 7.8 7/16 2.04 - 2.4 - 2.0 -17.237-2F -19.6 | -20.5 2.19 -22.8 -23.7-32.0-41.6 | -60.3 -46.1 -14.6 -20.1 | -19.6 -16.9 5/16" 2W\* -0.4 + 2.3-45.2 + 5.9+7.3 + 8.7- 0.4 -11.4 -34.2 -27.4 7/16" 4F 2.19 - 6.4 + 4.1-22.6 | -33.0 -33.5 + 3.6+ 6.8 | - 6.8 - 2.7 - 1.4 | - 9.0 (-6.8)-16.75/16" 4W 2.21 -11.3

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# TABLE III OPERATOR - GAGES PERCENT ERROR

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METAL MIKROTEST THICK-SAMPLE STRIP ELCOMETER TINSLEY CORRECTED UNCORRECTED NESS NO. TEST E-3 I-4 I-1 E-1 I-1 E-3 E-1 I-1 E-3 G-1 I-1 E-3 5/16" 2.40 38-1F - 2.5 -10.8 - 2.1 -48.3 -29.6 - 5.8 - 4.6 + 7.5 +18.8 +10.4 - 2.1 - 4.6 1/4" + 5.5 -39.8 1W 2.01 + 4.0 + 3.5 -27.4 -17.4 - 4.5 + 2.0 + 9.0 +16.9 + 5.5+ 3.0 5/16" 2.09 - 1.4 +7.2- 6.7 **-**55.0 -40.7 -21.5 - 4.3 2F +1.4+ 6.2 +18.2 +15.30.0 1/4" - 3.4 -29.8 - 9.3 2W 2.05 - 4.9 - 2.4 -43.9 -34.1 - 5.4 - 4.4 - 0.5 - 2.4 - 8.3 G-1 G-1 E-1 E-3E-1E-3E-3E-4 G-1 -26.6 5/16" 44-1F★ 9.11 -41.3-37.3 -39.4 -28.3 -24.5 -34.8-30.5 | -32.8 5/16" 3F\* 7.89 -45.6 -41.8 -43.3 -30.7 -27.0 -28.4 -32.2 -33.2 | -35.9 B/16" 3W 6.32 -23.7 -18.0 -18.0- 5.4 + 0.5+ 0.5- 9.6 - 7.9 - 5.1 -11.5 3/16" 8.18 -30.9 -25.9 5W -28.1 | -16.6 -13.7 -18.7 -15.2 | -16.6 45-1F 5.17 -14.7-20.3 -19.1 + 2.3+ 1.4 + 3.5 - 7.9 - 6.2 | - 2.1 1/4" 1W 5.63 - 3.9 -13.3 - 8.0 + 6.6 + 4.4 + 7.6 - 1.8 - 1.8 + 2.3 5₩**★** 6.20 -31.6 -34.2 -32.6 | -22.2 -18.1 -18.4 -23.2 -17.4 -20.3 B/8" 46-1F 5.50 -19.8 -19.6 -17.6 + 1.6 **-** 5.6 + 3.8 -14.4 **-** 5.3 - 8.0 1/4" 5.64 - 0.9 - 5.3 -20.7 + 9.6 + 5.1 + 0.2 - 8.2 - 3.5 | - 2.0 2W 4.49 +14.0 B/8" 5F -12.2 -16.7 -26.7 + 0.4 - 0.4 - 8.2 -10.9- 3.1 1/4" -30.8 - 6.0 - 4.0 -10.4 5.19 -17.3-15.4 - 8.3 -15.0\_ 5W - 3.5 + 0.2 +6.3- 5.8 -14.2 + 3.07/16" 47-2F 5.37 - 9.1 -13.0 -15.6 - 5.5 1/4" 2W 5.85 -13.5 -18.6 -19.5 - 3.4 + 1.5 + 0.5-14.5 + 6.7- 6.8 2.6 - 7.9 1/4" -19.9 -28.5 -24.1 - 9.0 -15.1 | - 0.4 3W 5.43 7/16" 5.31 -14.7-17.9 -29.2 - 9.2 - 4.5 - 7.0 - 9.2 -15.1 - 0.4 5F 1/4" 6.79 -14.3-14.9 -15.2- 5.6 + 0.7+ 2.2 + 0.4-10.8 | - 1.2 48-1W -24.8 -23.0 - 4.4 - 1.6 0.4 - 4.4 -11.7 + 0.4B/8" 3F 5.04 -27.6 - 7.3 -12.0 -16.2 + 2.5B/8" 4.82 -31.7 -23.0 -24.3 + 1.2 0.0 4F 1/4" -27.4 -13.3 - 3.2 8.5 -11.4 -15.4 | - 9.4 -22.8 -20.2 5W 6.24

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12.6E 5

C AMPLIANT OF MARIE	METAL THICK	SAMPLE	STRIP	THE CONTRACTOR	ELCOMETE	D	same in investe			MEKRO	DTEST	**************************************		1	(NSLEY	
440 A 11 11 11 11 11 11 11 11 11 11 11 11 1	HESS	NO.	TEST	I <b>-</b> 4	I-1	E-3	Maria de Cara de Caractería de	COJ	RRECTED		UNC	ORRECTEI 	)	commence as	E-3	C-1
	1/8''	53-1	2.23	+ 1.3 +13.0	(+18.8) (+39.9)	+13.0 +30.8	THE PERSON		-		7. 1. 1. 2. 21. 11 - -	-		G-1 +26.4 +41.3	+10.8 +17.8	+16.1
	3/16"	54 <b>-</b> 2 5	2.84	-	-	- -8.1		-	-	- -	-	- -	-	+38.7 +19.2	+22.2 + 1.4	+18.0 + 7.4
	5/16''	55 <b>-</b> 1 3	1.86 1.79	- 6.4 0.0	-21.0 -11.7	-12.9 - 1.7		-	- -	- -	-	- -	-	+ 4.3 +11.7	- 9.7 0.0	+ 1.1 +11.7
	7/16"	56 <b>-</b> 2 4	1.80 1.92	+10.0	+ 2.2 - 9.9	+ 3.9		- -	-	- -	-	- -	-	+21.1 - 2.1	+11.7	+24.4 + 1.0
				I <b>-</b> 4	I-1	E-3	I-3	E-3	E-2	I-1	E-3	• E-2	I-1	G-1	E-3	C-1
84-	1/16"	1-1 2 <b>★</b> 3 4 5 <b>★</b>	2.87 1.80 2.59 2.76 1.34	-30.3 +20.0 - 8.5 + 1.4 +92.5		-21.3 (+26.7) (+ 9.3) - (+99.3)	(+13.5) -	+10.6 - 3.1 + 6.9	-33.8 +16.1 + <b>5</b> .0 + 8.0 +129.1		-24.7 +43.3 +19.3 +28.3 +129.0	-22.6 +32.8 +16.2 +18.5 +150.7	-20.6 +41.1 +12.7 +21.0 +138.8	-18.1 +47.2 +20.5 +21.4 +154.5	-29.6 +29.4 +10.0 + 8.7 +100.0	-26.1 +40.6 +18.1 +15.2 +123.9
	1/8''	2-1 2 3 4 5	2.76 2.57 2.67 2.49 2.48	-15.2 -14.0 -12.0 - 9.2 - 9.7	-13.4 -11.7 -12.4 - 8.0 -11.7	-13.8 -12.1 -11.6 - 8.4 - 6.4	- 2.9 + 2.7 + 1.5 + 6.8 + 2.4	-31.9 -30.0 -29.6 -35.3 -32.2	-23.6 -17.9 -21.7 -19.7 -28.2	- 4.0 - 1.2 -25.8 -16.1 -21.8	- 8.3 - 4.7 - 5.2 - 9.2 - 6.0	- 8.7 - 1.9 - 6.0 - 3.2 -11.7	+17.4 +21.8 - 4.1 + 7.6 + 2.0	+ 6.5 +12.1 + 3.4 + 6.4 + 4.4	-13.4 -12.8 -16.1 -11.2 -14.5	- 6.2 - 8.6 -12.0 - 5.6 - 9.7
		ACCURACY HIN ± 15%)		158/	238 = 66	.4%		42	2/276 =	15.2%	20	9/276 =	75.7%	22	21/299 =	73.9%
	**************************************	A COMP OR EXTENSION AND THE STATE AND AND AND AND AND AND AND AND AND AND	でのでもよれる場合の連携をごうと	and the total Manager of August of States	Name and the control of the control			The second secon	ale algenood filtraferry a visitaler .	al the construction of the construction and the			WIN TO THE TOTAL AND THE	mer sementers	avsequorate rade to a	משפער ביי ביי ביי ביי ביי ביי

### TABLE IV-A

Comparison Test & Regression Analysis Plot

TABLE IV-A

### COMPARISON TEST (Coupon Weigh-Checking vs. Strip Test)

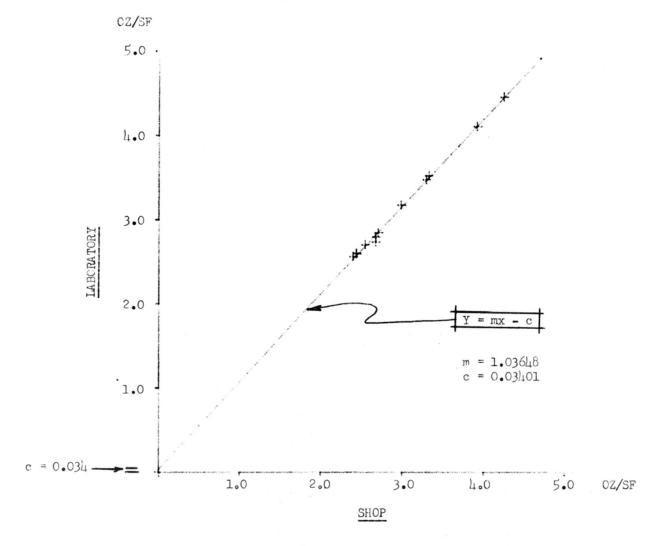
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		SHO	)P			LABORAT	IORY		DIFFERE	ences
SAMPLE NO.	Pickled Weight (gms)	Galv. Weight (gms)	Diff.	Galv. Coat'g Oz/SF	Galv. Weight (gms)	Strip'd Weight (gms)	Diff.	Galv. Coat'g Oz#SF	OZ <b>/</b> SF	K
2037 <b>-</b> 1	500.4	517.7	17.3	2.44	517.7	484.8	18.5	2.59	0.15	5.8
2	486.0	503.0	17.0	2.40	503.0		18.2	2.55	0.15	5.9
3	506.6	524.7	18.1	2.55	525.0		19.2	2.69	0.14	5.2
2028 <b>-</b> 1	524.5	554.6	30.1	4.25	554.5	520.5	31.7	4.44	0.19	4.3
2	522.0	549.8	27.8	3.92	549.7		29.2	4.09	0.17	4.2
3	495.7	516.8	21.2	2.99	516.8		22.5	3.16	0.17	5.4
2038 <b>–</b> 1	513.1	536.7	23.6	3.33	536.5	504.7	25.0	3.51	0.18	5.1
2	506.3	529.7	23.4	3.30	529.4		24.7	3.46	0.16	4.6
3	513.7	532.9	19.2	2.71	532.7		20.2	2.83	0.12	4.2
4282 <b>-</b> 1	513.8	532.8	19.0	2.68	533.0	516.5	19.8	2.78	0°17	3.6
2	517.0	536.0	19.0	2.68	535.9		19.4	2.72	0°07	1.5
3	518.5	535.8	17.3	2.44	536.0		18.4	2.58	0°10	5.4
AVERAGE P	ERCENT DI		E (ALL	READINGS	,)•••••	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	4.6%

DISCUSSION: The results of this test indicate that for galvanized coatings on 1/4" steel plate, the LABORATORY data indicates a greater weight of coating than does the SHOP data - an average increase of 4.6%.

The results shown above were verified by regression analysis prior to the development of Table IV-B.



REGRESSION ANALYSIS PLOT for TABLE IV - A

### TABLE IV-B

Comparison Test (Correction of Results)

TABLE IV-B

COMPARISON TEST

(Correction of Results for 1/4" Plates)

PROJECT: 3-08-69-014 PAGE 1 of 1 CORR'T'I ORIG'L MIKROTEST SAMPLE STRIP STRIP ELCOMETER (UNCORRECTED) TINSLEY NO. TEST TEST OZ/SF OZ/SF C**-**2 I-2 E-2 E-3 G-1 E-2 I**-**3 E-3 I-l E-3 22.2 2.69 2.57 27.2 3.9 10-1 11.3 10.1 10.9 14.0 14.0 10.9 3.9 3.27 3.12 21.5 24.7 27.2 28.2 25.0 8.3 36.5 23.7 11.5 28.2 3 2.86 7.3 16.1 7.0 0.7 9.4 3.00 11.2 10.8 0.7 13.6 17.8 4 2.94 2.80 7.5 18.2 5.4 2.8 2.8 5.4 5.7 6.L 8.9 0.4 2.65 6.8 5 2.78 10.2 17.4 8.7 11.7 0.8 6.8 2.3 2.3 9.1 E-2 E-3 C-1 I-2 I-1 G-1 E-3 C-1 I-l 20-1 2.39 2.28 3.5 23.7 1.3 0.0 8.8 1.8 3.5 3.9 5.7 2.32 2.21 5.9 4.1 0.9 0.0 0.9 7.7 17.2 6.8 1.4 3 4 2.40 2.29 9.2 11,1 10.5 10.9 3.1 1.7 7.0 0.0 4.8 2.36 2.25 7.1 10.2 2,2 19.1 8.4 9.3 4.4 12.0 11.1 5 2.40 2.29 6.6 6.6 0.4 10.9 4.4 4.4 13.1 7.4 4.8 % Within ASTM E 376(±15%) 77.1% 83.3% 86.7%

COMPARISON OF ACCURACIES:	ELCOMETER	MIKRCTEST	TINSLEY
Original %	68 <b>.</b> 6%	73•3%	80.0%
CORRECTED %	77.1%	83.3%	86.7%
Difference %	+ 9.5%	+ 10.0%	+ 6.7%

### TABLE V

Measured Coating Thicknesses (Paint on Steel)

#### TABLE V MEASURED COATING THICKNESSES PAINT ON STEEL

PROJECT: 3-08-69-014

PAGE 1

		El	LCOMETE	R			MIKR	OTEST			TINS	LEY			
SAMPLE & LOCATION	1	2	3	4	AVG (MILS)	1	2	3	AVG (MILS)	1	2	3	AVG (MILS)	TOOKE GAGE (MILS)	MICRO- SCOPIC (MILS)
4-1A B C D E Avg.	2.5 2.3 2.4 2.5 2.2 2.4	2.1 2.1 2.1 2.3 2.2 2.2	2.1 2.2 2.2 2.3 2.1 2.2	1.9 1.8 1.8 1.9 1.9	2.2 2.1 2.1 2.2 2.1	1.7 1.8 2.0 1.9 2.1	1.5 1.6 2.5 2.5 2.0 2.0	1.7 2.2 2.3 2.1 2.1 2.1	1.6 1.9 2.3 2.2 2.1	2.5 2.8 3.3 3.3 3.0 3.0	2.5 3.0 3.2 3.0 3.1 3.0	3.0 3.5 3.0 3.0 3.5 3.2	2.7 3.1 3.2 3.1 3.2	2.5 3.0 2.5 2.5 2.5 2.6	2.1 2.5 2.1 2.6 1.7 2.2
4-2A B C D E Avg.	3.9 3.8 3.7 3.7 3.9 3.8	3.1 3.2 3.1 3.1 3.2 3.1	2.9 3.0 3.1 3.0 3.1 3.0	3.0 3.4 3.3 3.2 3.3 3.2	3.2 3.4 3.3 3.2 3.4	3.3 3.0 3.2 3.0 3.5 3.2	3.2 3.2 4.0 3.4 3.7 3.5	3.1 3.5 3.8 3.3 3.7 3.5	3.2 3.7 3.2 3.6	3.9 4.7 4.6 4.5 4.5 4.4	4.2 4.0 4.5 4.5 4.5 4.3	4.5 4.5 4.5 4.5 5.0 4.6	4.2 4.4 4.5 4.5 4.7	3.5 4.0 4.5 4.5 3.5 4.0	2.1 3.0 3.8 2.4 3.7 3.0
5-1A B C D E Avg.	3.1 2.9 2.6 2.9 3.0 2.9	2.5 2.5 2.4 2.6 2.6 2.5	2.2 2.3 2.2 2.3 2.2 2.2	2.3 2.3 2.3 2.5 2.4 2.4	2.5 2.5 2.4 2.6 2.6	2.2 2.3 2.5 2.5 2.5 2.4	2.2 2.6 2.1 2.5 2.3 2.3	2.2 2.4 2.4 2.7 2.4 2.4	2.2 2.4 2.3 2.6 2.4	3.2 3.0 3.3 3.3 3.3	3.2 3.3 3.5 3.6 3.7 3.5	3.0 3.5 3.5 3.5 3.5 3.4	3.1 3.3 3.4 3.5 3.5	2.5 3.0 3.0 2.5 3.0 2.8	2.6 2.6 2.4 2.2 2.3 2.4
5-2A B C D E Avg.	4.3 3.9 4.2 3.9 3.9 4.0	3.4 3.3 3.7 3.6 3.4 3.5	3.4 3.3 3.4 3.3 3.0 3.3	3.5 3.5 3.7 3.5 3.3 3.5	3.6 3.5 3.8 3.6 3.4	3.2 3.0 3.8 3.2 3.3 3.3	3.7 3.5 4.3 3.9 3.8 3.8	3.7 3.1 3.8 3.7 3.4 3.5	3.5 3.2 4.0 3.6 3.5	4.5 4.3 4.8 4.3 <u>4.0</u> 4.4	4.2 4.0 4.8 4.3 <u>4.1</u> 4.3	4.5 4.5 4.5 4.5 4.5 4.5	4.4 4.3 4.7 4.4 <u>4.2</u>	5.0 4.5 5.0 4.5 4.0 4.4	3.2 2.8 3.8 3.5 2.6 3.2
6-1A B C D E Avg.	3.0 2.2 3.0 2.9 2.1 2.6	2.5 2.0 2.4 2.3 2.0 2.2	2.3 1.9 2.3 2.2 2.0 2.1	2.4 2.3 2.5 2.3 2.2 2.3	2.6 2.1 2.6 2.4 2.1	2.2 2.8 3.6 2.5 2.3 2.7	2.1 2.8 3.1 2.3 2.2 2.5	2.5 2.8 3.4 2.9 2.5 2.8	2.3 2.8 3.4 2.6 2.3	3.0 3.3 3.8 3.0 3.3	3.4 3.5 3.7 3.3 3.0 3.4	3.5 3.5 3.5 3.0 3.5 3.4	3.3 3.4 3.7 3.1 3.3	3.0 3.0 3.5 2.5 2.5 2.9	

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# TABLE V MEASURED COATING THICKNESSES PAINT ON STEEL

PROJECT: 3-08-69-014

Γ,	AMPLE		El	_COMETE	₹			MIKR	OTEST			TINS	LEY		70005	
	& OCATION	1	2	3	4	AVG (MILS)	Ī	2	3	AVG (MILS)	1	2	3	AVG (MILS)	TOOKE GAGE (MILS)	MICRO- SCOPIC (MILS)
	6-2A B C D E	4.1 4.0 4.2 4.0 3.8 4.0	3.7 3.5 3.6 3.4 3.2 3.5	3.6 3.4 3.5 3.3 3.3 3.4	3.5 3.6 3.6 3.3 3.2 3.4	3.7 3.6 3.7 3.5 3.4	3.5 3.0 3.5 2.8 2.5 3.1	3.5 3.5 3.7 3.3 3.0 3.4	3.9 4.3 4.3 3.7 3.5 3.9	3.6 3.6 3.8 3.3 3.0	4.0 4.3 4.5 4.0 <u>4.0</u> 4.2	4.5 4.5 5.0 4.5 4.3 4.6	4.0 4.5 4.5 4.0 4.0 4.2	4.2 4.4 4.7 4.2 <u>4.1</u>	3.5 4.5 4.5 3.5 4.0 4.0	
	7-1A B C D E Avg.	6.4 6.5 6.2 6.6 6.3 6.4	6.3 5.8 6.4 6.7 5.3 6.1	5.4 5.0 5.0 5.1 4.3 5.0	4.8 4.6 4.7 5.0 4.5 4.7	5.7 5.5 5.6 5.8 5.1	6.5 5.8 6.2 7.0 6.0	7.0 6.1 6.2 7.2 6.4 6.6	6.9 6.4 6.2 7.4 6.2 6.6	6.8 6.1 6.2 7.2 6.2	7.0 6.5 7.0 7.0 7.0 6.9	7.0 6.5 7.0 7.5 7.0 7.0	7.5 7.0 7.5 8.0 8.0 7.6	7.2 6.7 7.2 7.5 <u>7.3</u> 7.2	7.5 7.0 7.0 7.5 6.5 7.1	5.9 5.0 6.6 6.7 <u>6.1</u> 6.1
	7-2A B C D E Avg.	2.6 2.5 2.3 2.4 2.5 2.5	2.0 2.0 1.8 1.8 2.0 1.9	1.5 1.6 1.5 1.5 1.5	1.5 1.4 1.4 1.5 1.5	1.9 1.9 1.8 1.8 1.9	1.8 1.9 2.0 2.2 2.0 2.0	1.8 1.8 1.9 2.0 1.9	1.9 1.8 1.9 1.7 1.8 1.8	1.8 1.8 1.9 1.9	2.8 2.8 2.9 2.7 2.8 2.8	2.6 2.5 2.7 2.5 2.7 2.6	2.8 2.8 3.0 2.8 3.0 2.9	2.7 2.7 2.9 2.7 <u>2.8</u>	1.6 1.7 2.5 2.1 1.7	1.2 1.9 2.3 1.6 1.8
	7-3A B C D E Avg.	4.8 4.9 4.6 4.4 4.3 4.6	4.0 3.7 3.8 4.0 <u>3.1</u> 3.7	3.6 3.5 3.4 3.7 3.1 3.5	3.8 3.6 3.6 3.6 3.3 3.6	4.1 3.9 3.8 3.9 3.4	4.0 4.2 4.5 4.0 3.8 4.1	4.9 5.3 5.5 4.8 3.9 4.9	4.7 4.9 5.0 4.5 4.3 4.7	4.5 4.8 5.0 4.4 4.0	5.0 5.0 6.0 5.2 4.5 5.1	5.2 5.0 5.8 5.2 4.5 5.1	5.5 5.8 6.0 5.5 5.3	5.2 5.3 5.9 5.3 4.8 5.3	4.0 4.5 5.0 4.5 <u>4.0</u> 4.4	4.0 4.7 5.1 3.9 <u>3.5</u> 4.2
	8-1A B C D E Avg.	5.0 3.5 4.5 4.8 3.3 4.2	4.3 2.9 3.7 4.8 <u>2.6</u> 3.7	4.0 2.7 3.8 4.6 2.6 3.5	3.9 2.8 3.6 4.4 3.0 3.5	4.3 3.0 3.9 4.6 2.9	4.8 3.8 4.8 5.2 4.0 4.5	5.3 3.8 5.0 5.7 3.5 4.7	5.4 3.8 4.8 5.8 3.6 4.7	5.2 3.8 4.9 5.6 3.7	5.5 4.5 5.5 6.0 4.5 5.2	5.5 4.5 5.0 6.0 4.0 5.0	6.0 4.5 5.5 6.5 5.0 5.5	5.7 4.5 5.3 6.2 4.5	4.5 3.5 5.0 5.5 4.0 4.5	4.4 2.8 3.9 4.3 3.0 3.7

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# TABLE V MEASURED COATING THICKNESSES PAINT ON STEEL

PROJECT: 3-08-69-014

PAGE 3

SAMPLE		El	_COMET <b>E</b> F	₹			MIKR	OTEST			TINS	LEY		T	
& LOCATION	1	2	3	4	AVG (MILS)	1	2	3	AVG (MILS)	1	2	3	AVG (MILS)	TOOKE GAGE (MILS)	MICRO- SCOPIC (MILS)
8-2A B C D E Avg.	2.2 1.9 2.0 2.3 1.9 2.1	2.1 2.0 2.2 2.3 2.0 2.1	1.8 1.6 1.7 2.0 1.5 1.7	1.8 1.6 1.7 2.1 1.8 1.8	2.0 1.8 1.9 2.2 1.8	2.2 2.0 1.9 2.1 1.9 2.0	1.8 1.7 1.9 2.0 1.9	2.2 1.6 1.8 2.2 1.7 1.9	2.1 1.8 1.9 2.1 1.8	3.0 2.7 2.8 3.0 2.6 2.8	3.0 2.5 2.8 3.0 2.6 2.8	3.2 2.8 3.0 3.3 2.8 3.0	3.1 2.7 2.9 3.1 2.7	2.5 2.0 2.5 2.5 2.0 2.3	1.8 1.3 1.9 1.7 <u>1.5</u>
8-3A B C D E Avg.	6.3 5.5 5.8 6.0 5.5 5.8	6.2 5.6 6.5 6.6 5.4 6.1	5.9 5.4 5.7 6.9 5.9	5.2 4.6 5.0 5.3 4.6 4.9	5.9 5.3 5.8 6.2 5.4	7.5 6.0 7.5 7.5 6.0 6.9	7.6 5.9 8.2 8.2 5.9 7.2	7.5 6.1 7.5 7.8 5.9 7.0	7.5 6.0 7.7 7.8 5.9	8.0 7.0 8.0 8.0 6.5 7.5	8.0 6.8 8.0 8.0 6.5 7.5	8.0 7.0 8.0 8.5 6.5 7.6	8.0 6.9 8.0 8.2 6.5	6.5 5.0 7.5 6.5 6.0 6.3	7.6 4.9 6.8 6.7 <u>4.8</u> 6.2
9-1A B C D E Avg.	6.8 6.8 6.5 6.8 7.2 6.8	6.0 6.1 5.7 5.6 6.5 6.0	5.8 5.5 5.4 5.7 5.6	5.6 5.4 5.4 5.3 5.3	6.1 6.0 5.8 5.8 6.2	7.0 7.0 7.0 5.8 <u>7.2</u> 6.8	7.6 8.1 8.1 6.4 8.6 7.8	6.9 7.4 7.7 6.2 7.5 7.1	7.2 7.5 7.6 6.1 <u>7.8</u>	8.0 8.0 8.0 7.0 8.0 7.8	7.5 8.0 8.0 6.5 8.5 7.7	7.5 8.0 8.0 6.8 8.3 7.7	7.7 8.0 8.0 6.8 <u>8.3</u>	7.0 8.0 8.0 6.5 <u>7.5</u> 7.4	
9-2A B C D E Avg.	4.5 3.8 3.8 4.0 3.9 4.0	3.6 3.2 3.4 3.4 3.6 3.4	3.9 3.3 3.5 3.7 3.4 3.6	3.5 3.3 3.4 3.5 3.4 3.4	3.9 3.4 3.5 3.6 3.6	4.2 3.8 3.6 4.2 3.8 3.9	4.2 4.0 4.0 4.0 4.1 4.1	4.1 3.8 3.9 4.0 4.0 4.0	4.2 3.9 3.8 4.1 <u>4.0</u>	5.0 4.5 4.5 5.0 5.0 4.8	5.0 4.5 4.8 4.9 5.0 4.8	4.8 4.5 4.5 4.5 4.6	4.9 4.5 4.6 4.8 <u>4.9</u>	4.7 3.5 3.7 3.0 4.4 3.9	
9-3A B C D E Avg.	2.4 2.0 2.0 2.0 2.0 2.1	2.0 1.8 1.9 2.0 2.0 1.9	1.9 1.7 1.7 1.8 1.8 1.8	1.7 1.4 1.4 1.5 <u>1.4</u> 1.5	2.0 1.7 1.8 1.8 1.8	2.0 1.8 2.0 1.9 2.2 2.0	2.4 1.9 1.9 2.0 1.8 2.0	1.7 1.6 1.7 1.8 1.6 1.7	2.0 1.8 1.9 1.9 1.9	3.0 2.6 2.6 2.6 2.5 2.7	2.8 2.6 2.7 2.6 2.6 2.7	2.6 2.5 2.6 2.6 2.5 2.6	2.8 2.6 2.6 2.6 2.5	1.9 2.0 2.5 1.8 1.8 2.0	

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### TABLE VI

Percent Error (Paint on Steel)

# TABLE VI PERCENT ERROR PAINT ON STEEL

PAGE 1

PROJECT: 3-08-69-014

-	γ	and the second second		**************	* * * * * * * * * * * * * * * * * * *		- 2: 31.44 *	Central contraction	200 - 3 - 20 - 20 - 20 - 20 - 20 - 20 -		Park 4-, 140 44, 142 F 4-1-14	ويتريفها فتطورون	ermintaltars.govrapay v	
] e	ļ	]	Elcomete:	r 1	<del></del>		Mikrotes	st <del>1</del>	eng rawanisanisanisani		Tinsley	-		Tooke Gage
Sample	1	2	3	4	Avg.	1	2	3	Avg,	1	2	3	Avg.	Jage
4-1A B C D E Avg.	+ 19 - 1 + 14 - 4 + 29 + 9	0 -19 0 -12 +29 0	0 -12 + 5 -12 +24 0	-10 -28 -14 -27 +12 -14	+ 5 -19 0 -15 +24	-19 -28 - 5 -27 +24 -14	-29 -36 +19 - 4 +18 - 9	-19 -12 +10 -19 +24 -5	-24 -24 +10 -15 +24	+ 19 + 12 + 57 + 27 + 76 + 36	+ 19 + 20 + 52 + 15 + 82 + 36	+ 43 + 40 + 43 + 15 +106 + 45	+ 29 + 24 + 52 + 19 + 88	+19 +20 +19 - 4 +47 +18
4-2A B C D E Avg.	+ 86 + 27 - 3 + 54 + 5 + 27	+48 + 7 -18 +29 -14 + 3	+38 0 -18 +25 <u>-16</u> 0	+43 +13 -13 +33 -11 + 7	+52 +13 -13 +33 - 8	+57 0 -16 +25 - 5 + 7	+52 + 7 + 5 +38 <u>0</u> +17	+48 +17 0 +38 -0 +17	+52 + 7 - 3 +33 - 3	+ 86 + 57 + 21 + 88 + 22 + 47	+100 + 33 + 18 + 88 + 22 + 43	+114 + 50 + 18 + 88 + 35 + 53	+100 + 47 + 18 + 88 + 27	+67 +33 +18 +88 - 5 +33
5-1A B C D E Avg.	+ 19 + 12 + 8 + 32 + 30 + 21	- 4 - 4 0 +18 +13 + 4	-15 -12 - 8 + 5 - 4 - 8	-12 -12 - 4 +14 + 4 0	- 4 - 4 0 +18 +13	-15 -12 + 4 +14 + 9	-15 0 -12 +14 0 -4	-15 - 8 0 +23 + 4	-15 - 8 - 4 +18 + 4	+ 23 + 15 + 38 + 50 + 43 + 33	+ 23 + 27 + 46 + 64 + 61 + 46	+ 15 + 35 + 46 + 59 + 52 + 42	+ 19 + 27 + 42 + 59 + 52	- 4 +15 +25 +14 +30 +17
5-2A B C D E Avg.	+ 34 + 39 + 11 + 11 + 50 + 25	+ 6 +18 - 3 + 3 +31 + 9	+ 6 +18 -11 - 6 +15 + 3	+ 9 +25 - 3 0 +27 + 9	+12 +25 0 + 3 +31	0 + 7 0 - 9 +27 + 3	+16 +25 +13 +11 +46 +19	+16 +11 0 + 6 +31 + 9	+ 9 +14 + 5 + 3 +35	+ 41 + 54 + 26 + 23 + 54 + 38	+ 31 + 43 + 26 + 23 + 58 + 34	+ 41 + 61 + 18 + 29 + 73 + 41	+ 38 + 54 + 24 + 26 + 62	+56 +61 +32 +29 +54 +38
7-1A B C D E Avg.	+ 8 + 30 - 6 - 1 + 3 + 5	+ 7 +16 - 3 0 -13	- 8 0 -24 -24 -30 -18	-19 - 8 -29 -25 -26 -23	- 3 +10 -15 -13 -16	+10 +16 - 6 + 4 - 2 + 3	+19 +22 - 6 + 7 + 5 + 8	+17 +28 - 6 +10 + 2 + 8	+15 +22 - 6 + 7 + 2	+ 19 + 30 + 6 + 4 + 15 + 13	+ 19 + 30 + 6 + 12 + 15 + 15	+ 27 + 40 + 14 + 19 + 31 + 25	+ 22 + 34 + 9 + 12 + 20 + 18	+27 +40 + 6 +12 + 7 +16
			Complete public confidence of the confidence of											

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# TABLE VI PERCENT ERROR PAINT ON STEEL

PROJECT: 3-08-69-014

PAGE 2

е			Elcomete		S. M. 2007/Stabulation, expert 17, or		Mikrote	st			Tinsley	oren e capaci	uma i duction y e mission	Tooke
Sample	1	2	3	4	Avg.	1	2	3	Avg,		2	3	Avg.	Gage .
7-2A B C D E Avg.	+117 + 32 0 + 50 + 39 + 39	+67 + 5 -22 +12 +11 + 6	+25 -21 -30 - 6 -17 -17	+25 -21 -39 -12 -17 -17	+58 0 -22 +12 + 6	+50 0 -13 +38 +11 +11	+50 - 5 -22 +19 +11 + 6	+58 - 5 -17 + 6 -0 0	+50 - 5 -17 +19 + 6	+133 + 47 + 26 + 69 + 56 + 56	+117 + 32 + 17 + 56 + 50 + 44	+133 + 47 + 30 + 75 + 67 + 61	+125 + 42 + 26 + 69 + 56	+33 -11 + 9 +31 <u>- 6</u> + 6
7-3A B C D E Avg.	+ 20 + 4 - 10 + 13 + 23 + 10	0 -21 -25 + 3 -11 -12	-10 -26 -33 - 5 -11 -17	- 5 -23 -29 - 8 - 6 -14	+ 2 -17 -25 0 - 3	0 -11 -12 + 3 + 9 - 2	+22 +13 + 8 +23 +11 +17	+18 + 4 - 2 +15 +23 +12	+12 + 2 - 2 +13 +14	+ 25 + 6 + 18 + 33 + 29 + 21	+ 30 + 6 + 14 + 33 + 29 + 21	+ 38 + 23 + 18 + 41 + 51 + 33	+ 30 + 13 + 16 + 36 + 37 + 26	0 - 4 - 2 +15 +14 + 5
8-1A B C D E Avg.	+ 14 + 25 + 15 + 12 + 10 + 14	- 2 + 4 - 5 +12 -13 0	- 9 - 4 - 3 + 7 -13 - 5	-11 0 - 8 + 2 0 - 5	- 2 + 7 0 + 7 - 3	+ 9 +36 +23 +21 +33 +22	+20 +36 +28 +33 +17 +27	+23 +36 +23 +35 +20 +27	+18 +36 +26 +30 +23	+ 25 + 61 + 41 + 40 + 50 + 41	+ 25 + 61 + 28 + 40 + 33 + 35	+ 36 + 61 + 41 + 51 + 67 + 49	+ 30 + 61 + 36 + 44 + 50	+ 2 +25 +28 +28 +33 +22
8-2A B C D E Avg.	+ 22 + 46 + 5 + 35 + 27 + 31	+17 +54 +16 +35 +33 +31	0 +23 -11 +18 -0 +6	0 +23 -11 +24 +20 +12	+11 +38 0 +29 +20	+22 +54 0 +24 +27 +25	0 +31 0 +18 +27 +19	+22 +23 - 5 +29 +13 +19	+17 +38 0 +24 +20	+ 67 +108 + 47 + 76 + 73 + 75	+ 67 + 92 + 47 + 76 + 73 + 75	+ 78 +115 + 58 + 94 + 87 + 88	+ 72 +108 + 53 + 82 + 80	+39 +54 +32 +47 +33 +44
8-3A B C D E Avg.	- 17 + 12 - 15 - 10 + 15 - 6	-18 +14 - 4 - 1 +12 - 2	-22 +10 -16 + 3 +23 - 3	-32 - 6 -26 -21 <u>- 4</u> -21	-22 + 8 -15 - 7 +12	- 1 +22 +10 +12 +25 +11	0 +20 +21 +22 +23 +16	- 1 +25 +10 +16 +23 +13	- 1 +22 +13 +16 +23	+ 5 + 43 + 18 + 19 + 35 + 21	+ 5 + 39 + 18 + 19 + 35 + 21	+ 5 + 43 + 18 + 27 + 35 + 23	+ 5 + 41 + 18 + 22 + 35	-14 + 2 +10 - 3 +25 + 2

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