

DRAWING AND SPECIFICATION TRANSMITTAL

LOCKWOOD GREENE ENGINEERS, INC.

SPARTANBURG, SOUTH CAROLINA 29304
P.O. BOX 491 (803)582-2351

Sheet 09910

470-3

file 7/8/81

TO NAVAL FACILITIES
Engineering Command B.N.-26
Atlantic Division
Norfolk, VA 23511

DATE 6/19/81
JOB NO. 77239.16
JOB NAME N.R.M.C.

TRANSMITTAL NO. 1495
SHEET OF
ORDER NO.

N-62470-77-C-7526

ATTN:

John Grubbs Code 05

WE ARE SENDING YOU THE FOLLOWING DATA _____ HEREWITH _____ UNDER SEPARATE COVER

QUAN.	DOCUMENT NO.	REV. NO.	DESCRIPTION	VENDOR	CODE
1			Paint Lab Reports as outlined in Ambric Letter dated 4/9/81	Ambric	AN
1			Paint Lab Test Report - Block Filler, Dated 5/28/81	"	RA

	FOR	INIT	DATE
<i>RD</i>		<i>RD</i>	<i>4/22</i>
<i>RD</i>		<i>RD</i>	<i>7-6</i>
<i>KTC</i>		<i>C</i>	
<i>8</i>		<i>8</i>	

CODE FOR

LOCKWOOD GREENE DOCUMENTS

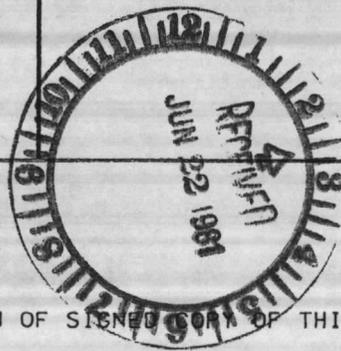
- A - INFORMATION
- B - REVIEW
- C - APPROVAL
- D - REVISED DWG. (SEE REVISION)

- E - BID
- F - CONSTRUCTION
- G - PURCHASING
- H -

VENDOR DOCUMENTS

- K - NO CORRECTIONS NOTED
- L - MAKE CORRECTIONS NOTED
- M - REVISE AND RESUBMIT
- N - REJECTED (SEE REMARKS)

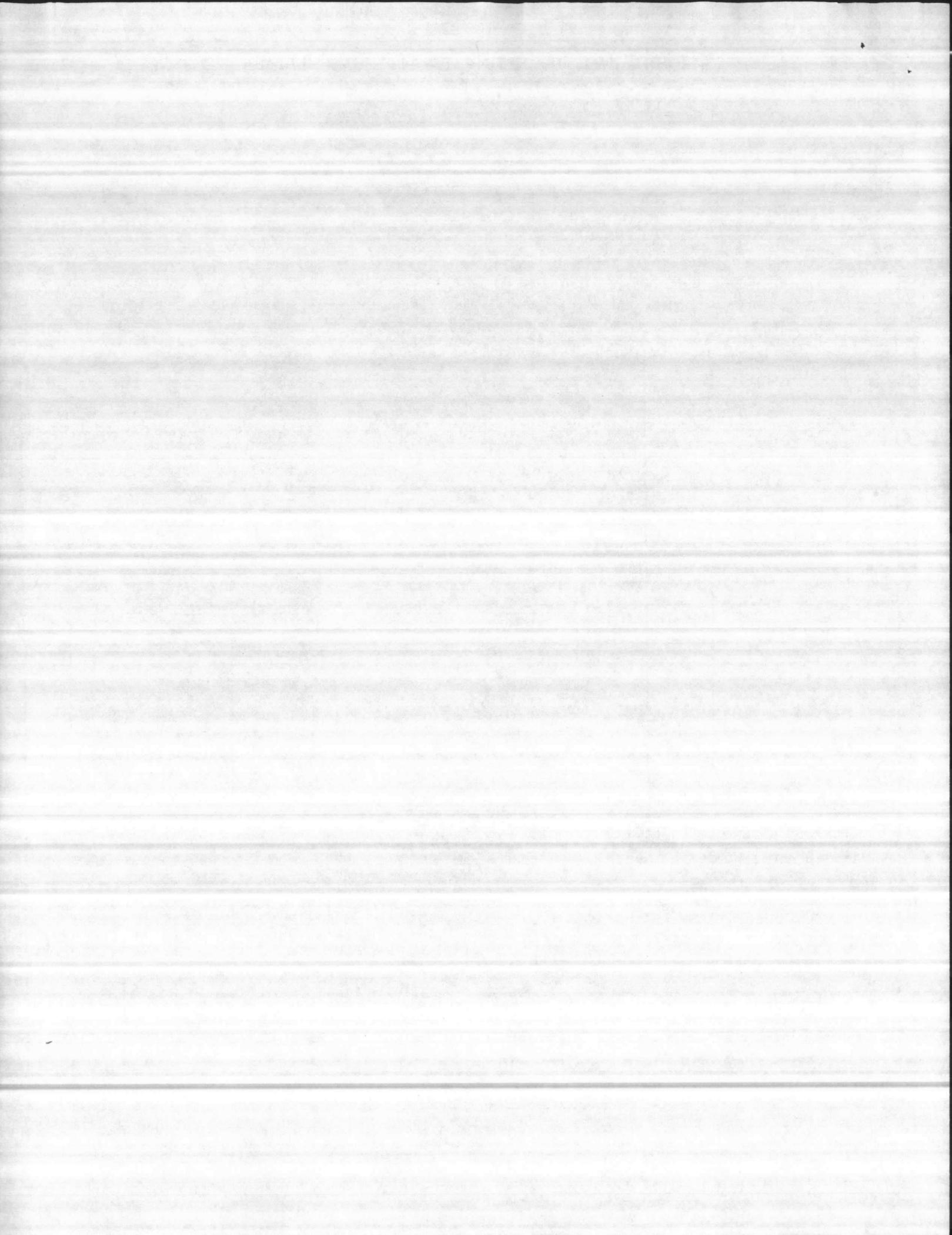
COPIES TO		QUAN	TRANS ONLY	CODE	COPIES TO		QUAN	TRANS ONLY	CODE
ROICC		1							
Cardinal		1							



REMARKS

PLEASE ACKNOWLEDGE RECEIPT BY IMMEDIATE RETURN OF SIGNED COPY OF THIS TRANSMITTAL

RECEIVED BY _____ DATE _____ TRANSMITTED BY Richard McKnight



SECTION 09910

CONTRACTOR'S SUBMITTAL TRANSMITTAL

5ND LANTDIV 4-4355/3 (Rev. 6/76)

CONTRACT NO. N-02410-11-G-1520	TRANSMITTAL NO. 470-3	DATE 6-10-81
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FROM CONTRACTOR
Cardinal Cont'g. Co.
TO
Lockwood Greene Engrs

PROJECT TITLE AND LOCATION
NAVAL REGIONAL MED. CTR,
Comp Lejeune, N.C.

CONTRACTOR USE ONLY

REVIEWER USE ONLY

*List only one specification division per form.
List only one of the following categories on each transmittal form,
and indicate which is being submitted

**ACTION CODES
A-Approved
D-Disapproved
AN-Approved as noted
RA-Receipt acknowledged.
C-Comments
R-Resubmit

- Contractor Approved OICC Approval Deviation/Substitution For OICC Approval

ITEM NO.	PROJ. SPEC. SECT. & PARA. and/or PROJ. DWG. NO. *	ITEM IDENTIFICATION (Type, size, model no., Mfg. name, dwg. or brochure number)	NO. OF COPIES	ACTION CODES **	REVIEWER'S INITIALS CODE AND DATE
470-3	3.2	Point Lab Test Reports as outlined in AMBRIC letter 4/9/81	4	AN	SLG 6/17/81
11	"	Point Lab Test Report - Block Files, dated 5/28/81.	4	RA	SLG 6/17/81

CONTRACTOR'S COMMENTS

CQCR Action: AN

1495

COPY OF TRANSMITTAL AND SUBMITTALS TO ROICC 6-10-81		CONTRACTOR REPRESENTATIVE (Signature) Wm. J. Hayward
DATE RECEIVED BY REVIEWER	FROM (Reviewer)	TO

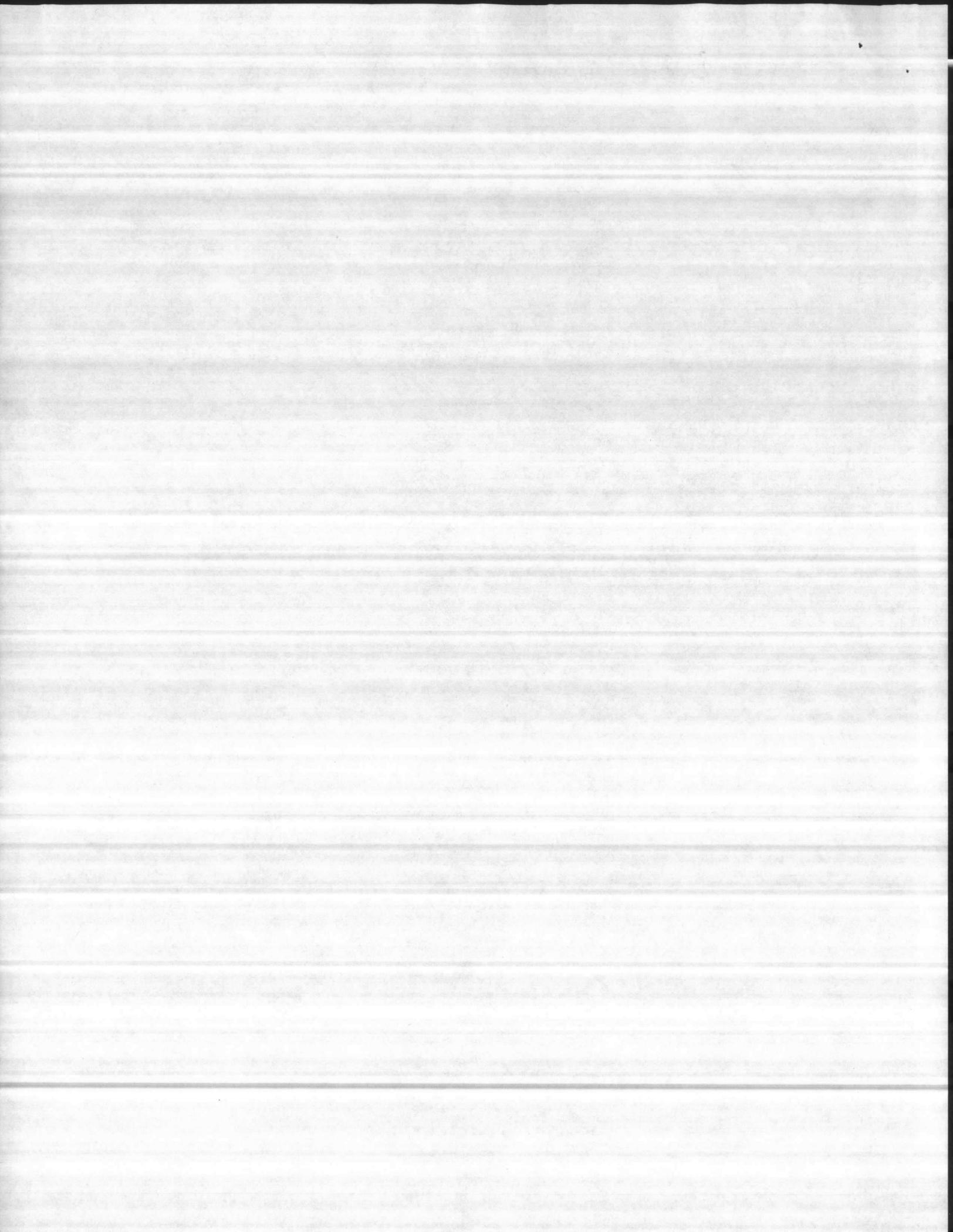
- Submittals are returned with action indicated. Approval of an item does not include approval of any deviation from the contract requirements unless the contractor calls attention to and supports the deviation.
- Submittals are forwarded to LANTDIV with A-E recommendations indicated in REVIEWER USE ONLY Section and in comments below on ONE COPY of the transmittal form.

REVIEWER'S COMMENTS

MINOR CORRECTIONS WERE MADE BY THE REVIEWER, THE CONTRACTOR IS REQUESTED TO UPDATE HIS COPIES OF THIS SUBMITTAL, ACKNOWLEDGE CORRECTIONS BELOW, AND FORWARD THIS SUBMITTAL TO THE ROICC.

• USE OF PLYTUB 520 IS AT THE CONTRACTOR'S RISK. IF ANY RESULTS OF SUCH USE ARE UNSATISFACTORY THE CONTRACTOR SHALL REMOVE AND REPLACE ALL MATERIALS AS NECESSARY TO CORRECT WORK AT NO COST TO THE GOVERNMENT

COPIES TO: ROICC (2) LANTDIV (1) A-E (1)	DATE 6/17/81	SIGNATURE Sean Albarrado
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SECTION 09910

CONTRACTOR'S SUBMITTAL TRANSMITTAL

5ND LANTDIV 4-4355/3 (Rev. 6/78)

CONTRACT NO. N62470-77-C-7526

TRANSMITTAL NO

470-3

DATE

6-10-81

FROM CONTRACTOR

Cardinal Contr. Co.

PROJECT TITLE AND LOCATION

NAVAL REGIONAL MED. CTR.
Camp Lejeune, N.C.

TO

Lockwood Greene, Engrs.

CONTRACTOR USE ONLY

*List only one specification division per form.

List only one of the following categories on each transmittal form, and indicate which is being submitted

Contractor Approved

OICC Approval

Deviation/Substitution For OICC Approval

REVIEWER USE ONLY

**ACTION CODES

- A-Approved
- D-Disapproved
- AN-Approved as noted
- RA-Receipt acknowledged.
- C-Comments
- R-Resubmit

ITEM NO	PROJ. SPEC. SECT. & PARA. and/or PROJ. DWG. NO. *	ITEM IDENTIFICATION (Type, size, model no., Mfg. name, dwg. or brochure number)	NO. OF COPIES	ACTION CODES **	REVIEWER'S INITIALS CODE AND DATE
470-3	3.2	Paint Lab Test Reports as outlined in AMBRIC letter 4/9/81	4	RDC	APC 6-4
11	11	Paint Lab Test Report - Block Files, dated 5/28/81.	4	RA	APC 4/12

FOR	INIT	DATE
	APC	6-4
	APC	4/12

CONTRACTOR'S COMMENTS

C&CR Action: AN

COPY OF TRANSMITTAL AND SUBMITTALS TO ROICC

6-10-81

CONTRACTOR REPRESENTATIVE (Signature)

Wm. J. Haymaker

DATE RECEIVED BY REVIEWER

FROM (Reviewer)

- Submittals are returned with action indicated. Approval of an item does not include approval of any deviation from the contract requirements unless the contractor calls attention to and supports the deviation.
- Submittals are forwarded to LANTDIV with A-E recommendations indicated in REVIEWER USE ONLY Section and in comments below on ONE COPY of the transmittal form.

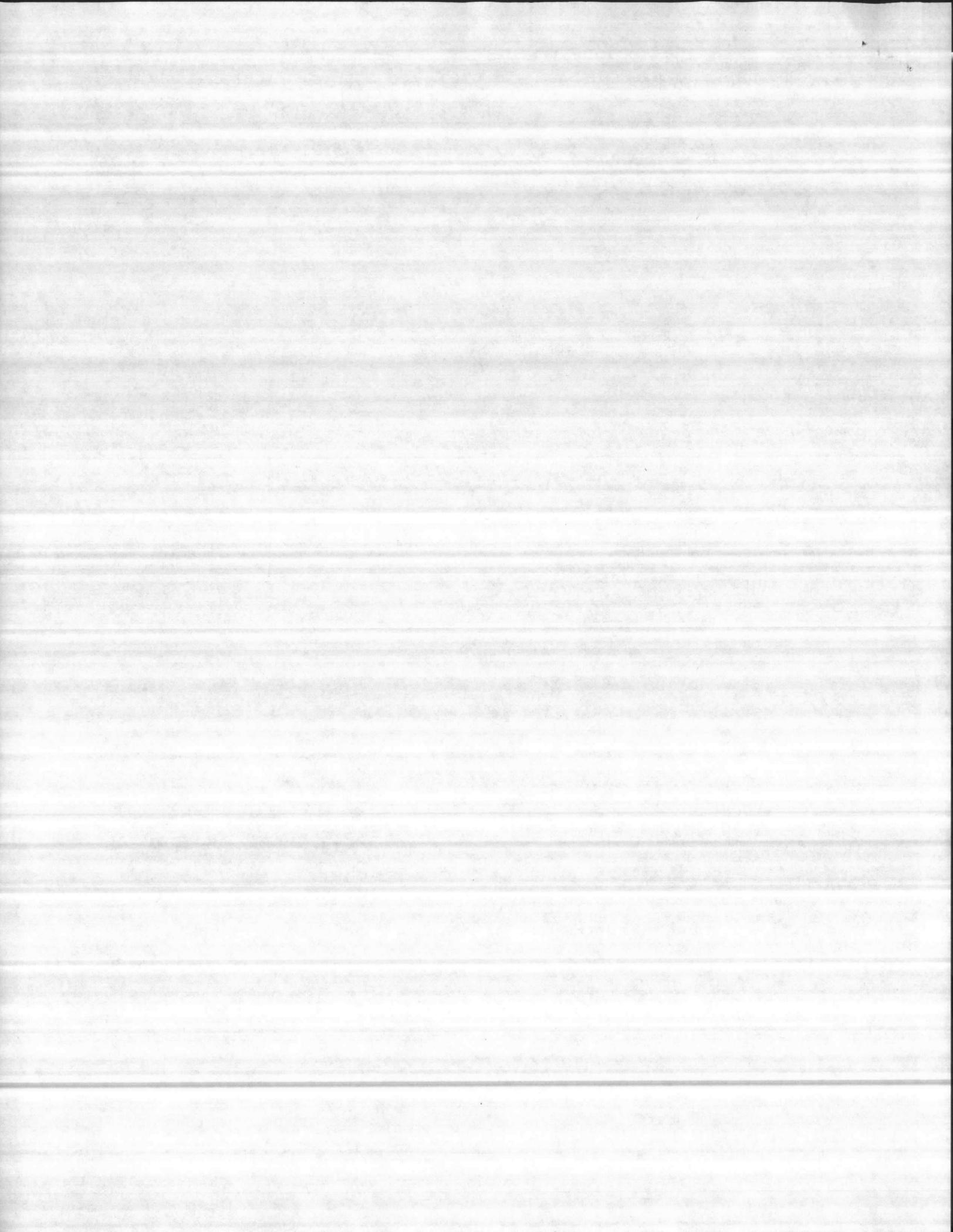
REVIEWER'S COMMENTS



COPIES TO:
ROICC (2)
LANTDIV (1)
A-E (1)

DATE

SIGNATURE



AMBRIC

Meyer Paint Corporation
P.O. Box 4095
Lancaster, PA 17604

Re: Naval Regional Medical Center
Camp Lejeune, North Carolina
Contract N-62470-77C-7526
Manufacturer: M.A.B Paints

Date May 28, 1981

Laboratory No. 11787-G - Cor.

Ambric testing inc.

100 Crawford St.
Philadelphia, Pa.
19129
5-438-7944

LABORATORY TEST REPORT

Material: One Quart of Paint, TT-F-1098, Block Filler, Oil,
Color #27769, Batch IF 4300

Date Submitted: January 8, 1981

Method of Test: Federal Standard 141, "Paint Test Methods"

Results:

<u>TEST PERFORMED</u>	<u>RESULTS</u>	<u>REQUIREMENT</u> (TT-F-1098)	
		<u>MINIMUM</u>	<u>MAXIMUM</u>
Pigment, % by weight of Filler	57.2	57	60
Vehicle, % by weight of Filler	42.8	40	43
Non-volatile Vehicle, % by weight of Vehicle	22.2	22	--
Consistency, Krebs Units	120	120	--
Dry Time: Set to Touch, Hours	3/4	1/4	3/4
Dry Time: Dry Hard, Hours	2	--	2
Weight per gallon (pounds)	11.4	11	--
Vinyl Toluene-butadiene Copolymer Content (percent by weight of non-volatile vehicle)	59.4	58	--
Lead Content, % by weight of Total Non-volatile	None	--	0.5

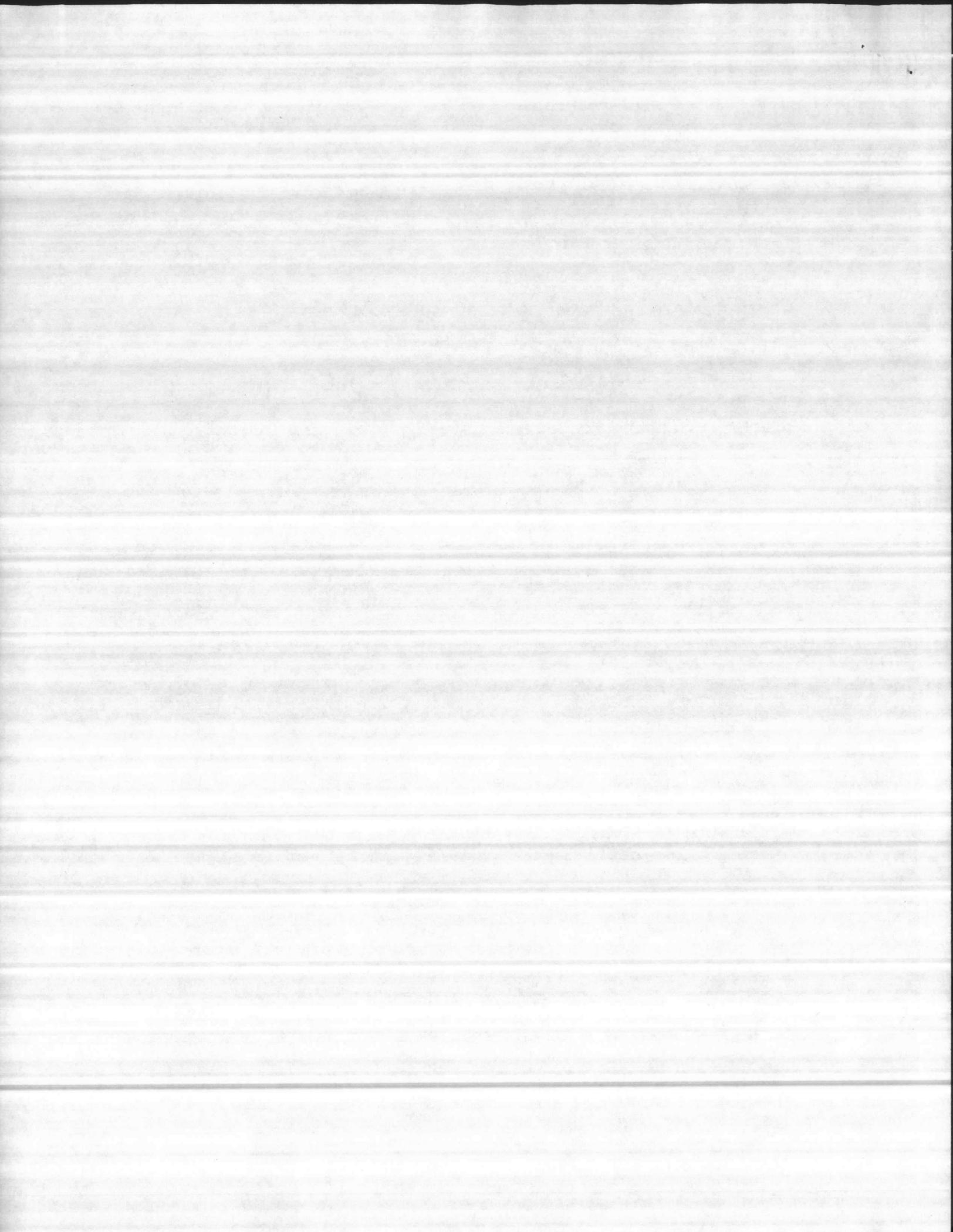
The sample meets the requirements of the above specification.

Respectfully submitted,

AMBRIC TESTING, INC.

H. M. Carson
H. M. Carson, President

HMC/jmc





Meyer Paint Corporation
 P.O. Box 4095
 Lancaster, PA 17604

Re: Naval Regional Medical Center
 Camp Lejeune, North Carolina
 Contract N-62470-77C-7526
 Manufacturer: M.A.B Paints

Date April 4, 1981

Laboratory No. 11787-H

ambric testing inc.

3600 Crawford St.
 Philadelphia, Pa.
 19129
 215-438-7944

LABORATORY TEST REPORT

Material: TT-C-535, Plytile 520, One quart Activator - Batch DF 380
 One quart Resin - Batch JF 4212
 Color # 22144

Date Submitted: January 8, 1981

Method of Test: Federal Standard 141, "Paint Test Methods"

Results:

	RESULT (Combined Samples)	REQUIREMENT (TT-C-535) TYPE I	
		MINIMUM	MAXIMUM
Pigment, % by weight of Pigmented Epoxy Resin	15.0	--	--
Vehicle, % by weight of Pigmented Epoxy Resin	85.0	--	--
Viscosity of Mixture, Krebs Units	77	50	60
Coarse Particles & Skins of Mixture	0.05	--	--
Fineness of Grind of Mixture	6	--	--
Dry Time of Mixture: Set to Touch (Hour)	1/2	1/2	--
Dry Time of Mixture: Dust Free (Hour)	5/6	1	--
Dry Time of Mixture: Dry Hard (Hour)	4 1/3	6	--
Gloss of Mixture, 60° Specular	100	100	--
Flash Point of Mixture, degree F	95	--	--
Weight per Gallon, Pound	8.8	8.0	--
Workable pot life, number of hours at Room Temperature	9 1/4	8	--
Lead Content, % by weight of Non-volatile Matter	None	--	--

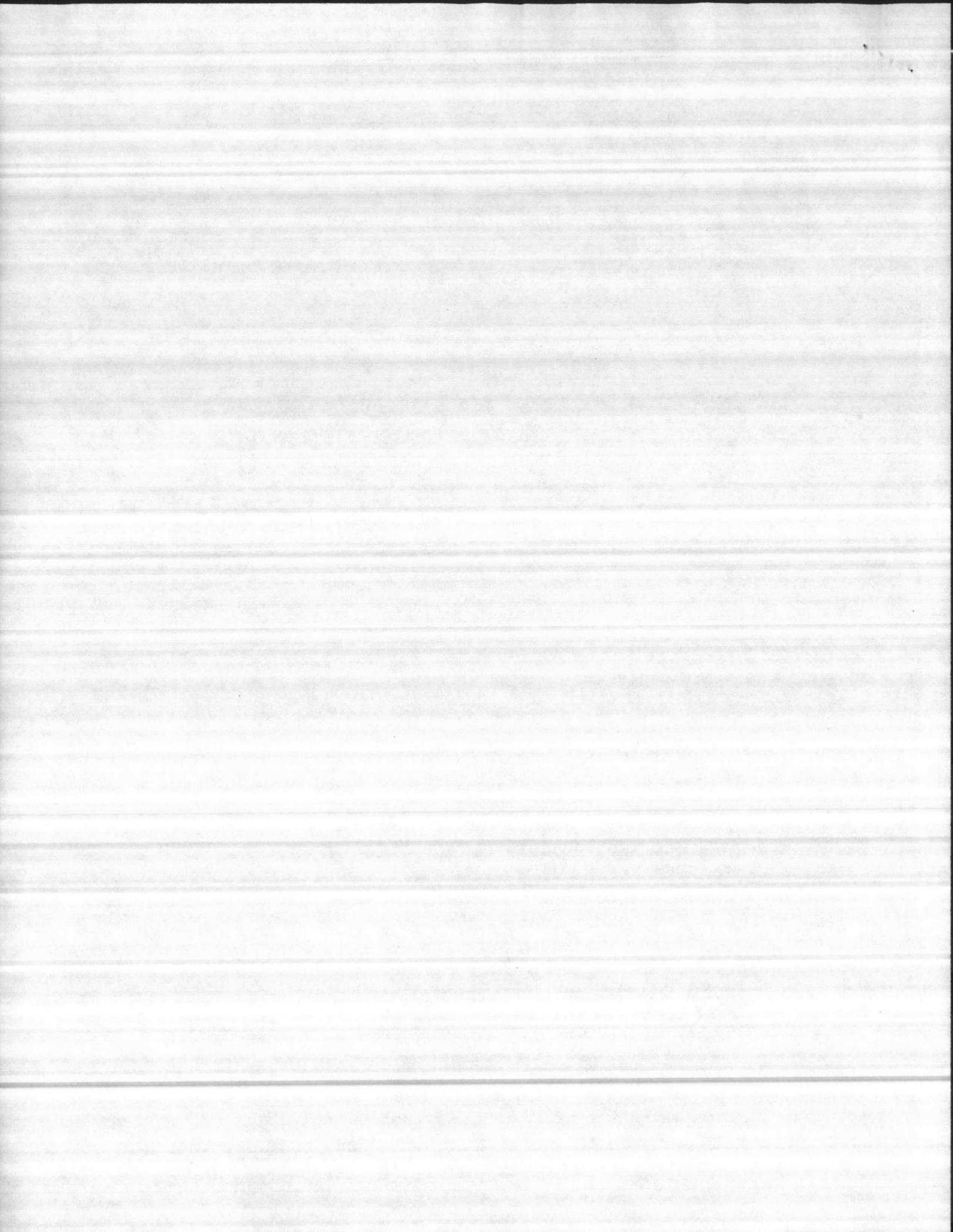
Sample meets above Specification except viscosity exceeds 60.

USE OF THIS PRODUCT IS AT CONTRACTORS OWN RISK. IF ANY RESULTS OF SUCH USE ARE UNSATISFACTORY THE CONTRACTOR SHALL REMOVE & REPLACE ALL MATERIAL AS NECESSARY TO CORRECT WORK AT NO COST TO THE GOVERNMENT.

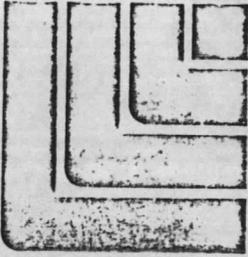
Respectfully submitted,

AMBRIC TESTING, INC.

H. M. Carson
 H. M. Carson, President



AMBRIC



April 9, 1981

The Meyer Painting Corporation
P. O. Box 4095
Lancaster, PA 17604

ambric testing inc.

Attn: Mr. Herman Gordon, President

3600 Crawford St.
Philadelphia, Pa.
19129
215-438-7944

Re: Naval Regional Medical Center
Camp Lejeune, NC

Gentlemen:

We report, enclosed, reports of our laboratory tests of samples of paint submitted in your behalf by M.A. Bruder Company in connection with the above project.

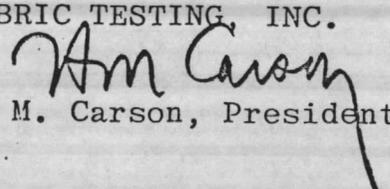
The samples are as follows:

<u>OUR LAB. NO.</u>	<u>DESCRIPTION</u>	<u>BATCH NO.</u>	<u>FED. SPEC. DESIGNATION</u>
11787-A	Acrylic - Color 37886	HF 3623	TT-P-19
11787-B	Latex Primer - Color 27886	IF 4263	TT-P-650
11787-C	Alkyd Flat - Color 37769	IF 4208	TT-P-30
11787-D	Semi-Gloss - Color 7769	IF 4221	TT-E-509
11787-E	Enamel Undercoat	IF 4210	TT-E-545
11787-F	Primer Sealer - White	IF 4255	TT-S-179
11787-G	Block Filler Oil - Color 27769	IF 4300	TT-F-1098
11787-H	(2 Part) Plytile Activator - Color 22144	B DP 380	TT-C-535
	Plytile Resin	JF 4212	

Five copies of each report are submitted for distribution by you.

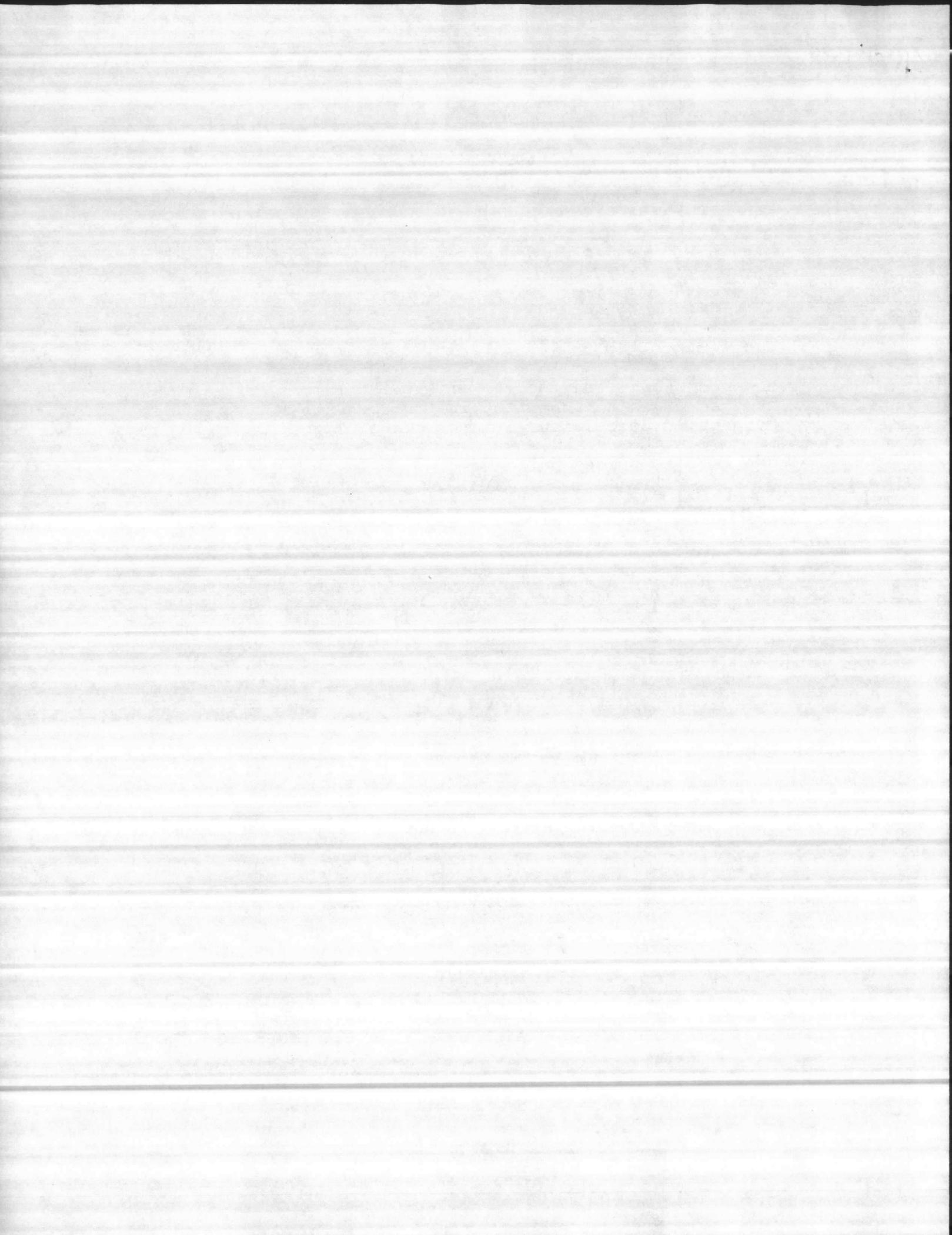
Very truly yours,

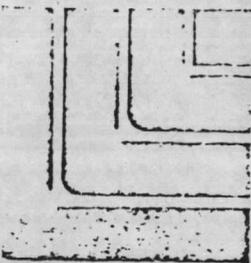
AMBRIC TESTING, INC.


H. M. Carson, President

1495

HMC/jmc





ambric testing inc.

Meyer Paint Corporation
P.O. Box 4095
Lancaster, PA 17604

Re: Naval Regional Medical Center
Camp Lejeune, North Carolina
Contract N-62470-77C-7526
Manufacturer: M.A.B Paints

Date April 4, 1981
Laboratory No. 11787-A

3600 Crawford St.
Philadelphia, Pa.
19129
215-438-7944

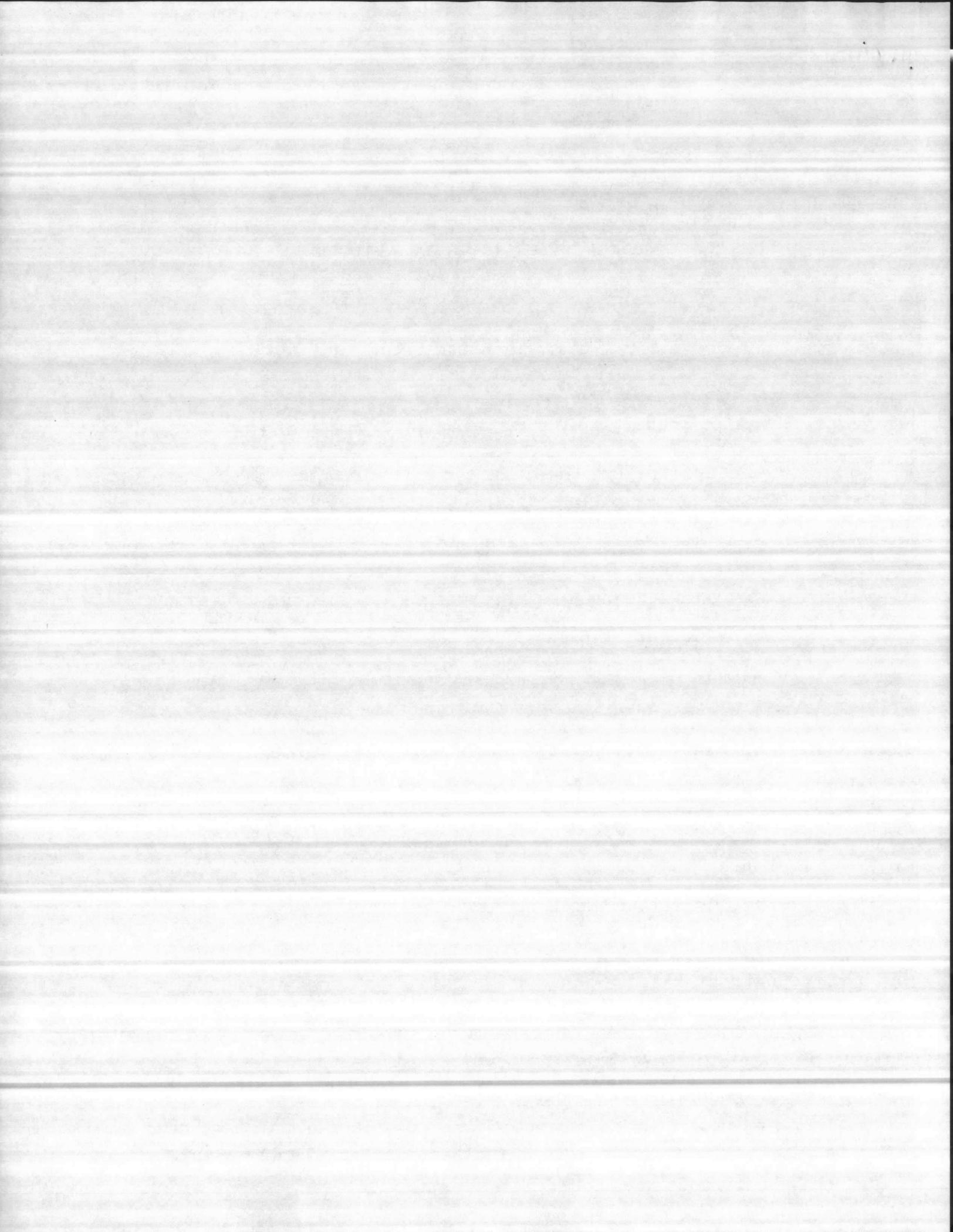
LABORATORY TEST REPORT

Material: One Quart of Paint, TT-P-19 Exterior Acrylic,
Color #37886 Batch No. HF 3623
Date Submitted: January 8, 1981
Method of Test: Federal Standard 141, "Paint Test Methods"
Results:

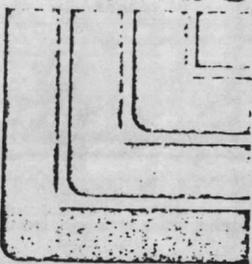
TEST PERFORMED	RESULTS	REQUIREMENT (TT-P-19)	
		MINIMUM	MAXIMUM
Total Solids, % by weight of paint	56.2	56	--
Pigment, % by weight of paint	37.6	--	38
Weight per Gallon, Pounds	11.4	11	--
Fineness of Grind	6.5	4	--
Consistency, Krebs Units	85	75	85
Dry Time, Set to Touch - Hours	1/4	--	1/4
Dry Through, Hours	1	--	1
Scrub Resistance, Oscillations (Double Strokes)	Passes	800	--
Daylight Directional Reflectance, %	87	87	
Dry Opacity Contrast Ratio	.99	.98	--
Lead (% non-volatile basis), %	None	--	.5

Sample complies with above Specification.

Respectfully submitted,
AMBRIC TESTING, INC.
H. M. Carson
H. M. Carson, President



AMBRIC



Meyer Paint Corporation
P.O. Box 4095
Lancaster, PA 17604

Re: Naval Regional Medical Center
Camp Lejeune, North Carolina
Contract N-62470-77C-7526
Manufacturer: M.A.B Paints

Date April 4, 1981

Laboratory No. 11787-B

ambric testing inc.

3600 Crawford St.
Philadelphia, Pa.
19129

215-438-7944

LABORATORY TEST REPORT

Material: One Quart TT-P-650 Latex Primer, Color #27886,
Batch IF 4263

Date Submitted: January 8, 1981

Method of Test: Federal Standard 141, "Paint Test Methods"

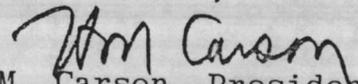
Results:

<u>TEST PERFORMED</u>	<u>RESULTS</u>	<u>REQUIREMENT (TT-P-650)</u>	
		<u>MINIMUM</u>	<u>MAXIMUM</u>
Non-Volatile Total, % by weight of paint	44.9	40	--
Dry Time: Set to Touch, Hours	1/2	--	1/2
Dry Time: Suitable for Recoating, Hours	1 3/5	--	4
Dry Opacity (at a Spread Rate of 630 ft. ² /gal.)	0.89	.85	--
Consistency, Krebs Units	75	67	89
Specular Gloss 60°	5	5	20
Reflectance, %	75	75	--
Lead, Metal (% of Non-volatile)	None	--	0.5

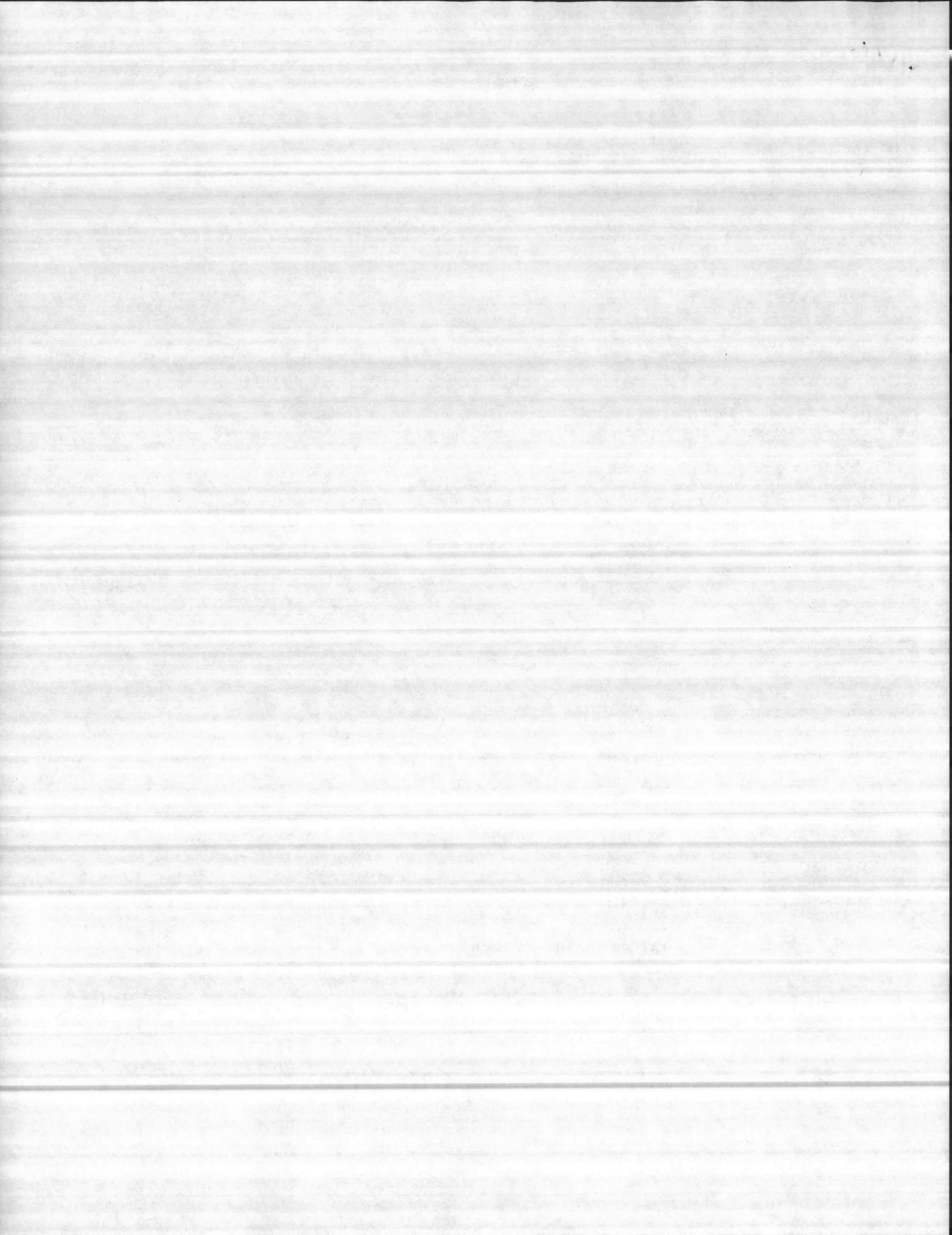
Sample complies with the above Specification.

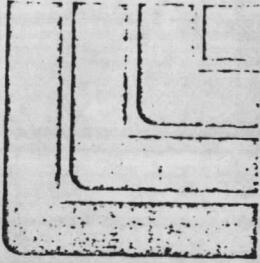
Respectfully submitted,

AMBRIC TESTING, INC.


H. M. Carson, President

HMC/jmc





Meyer Paint Corporation
 P.O. Box 4095
 Lancaster, PA 17604

Re: Naval Regional Medical Center
 Camp Lejeune, North Carolina
 Contract N-62470-77C-7526
 Manufacturer: M.A.B Paints

Date April 4, 1981
 Laboratory No. 11787 -C

ambric testing inc.

 3600 Crawford St.
 Philadelphia, Pa.
 19129
 215-438-7944

LABORATORY TEST REPORT

Material: One Quart TT-P-30 Alkyd Flat, Color #37769, Batch IF 4208
 Date Submitted: January 8, 1981
 Method of Test: Federal Standard 141, "Paint Test Methods"

Results:

TEST PERFORMED	RESULTS	REQUIREMENT (TT-P-30)	
		MINIMUM	MAXIMUM
Pigment, % by weight of paint	57.4	53	--
Non-volatile Vehicle, % by weight of Vehicle	28.2	26	--
Phthalic Anhydride, % by weight of Non-volatile Vehicle	27.6	23	--
Water, % by weight of paint	0.05	--	1.0
Coarse Particles & Skins, % by weight of Pigment	0.10	--	2.0
Fineness of Grind	7.0	4	--
Consistency, Krebs Units	91	82	110
Drying Time: Set to Touch, Hours	1	1/2	2
Drying Time: Time to Dry, Hours	2	--	7
85° Specular Gloss	1	--	8
Daylight 45°, 0° Directional Reflectance	85	84	--
Absorption, inch	1/32	--	1/16
Yellowness Index Difference	0.10	--	0.10
Lead, % by weight of Non-volatile Matter	None	--	0.06

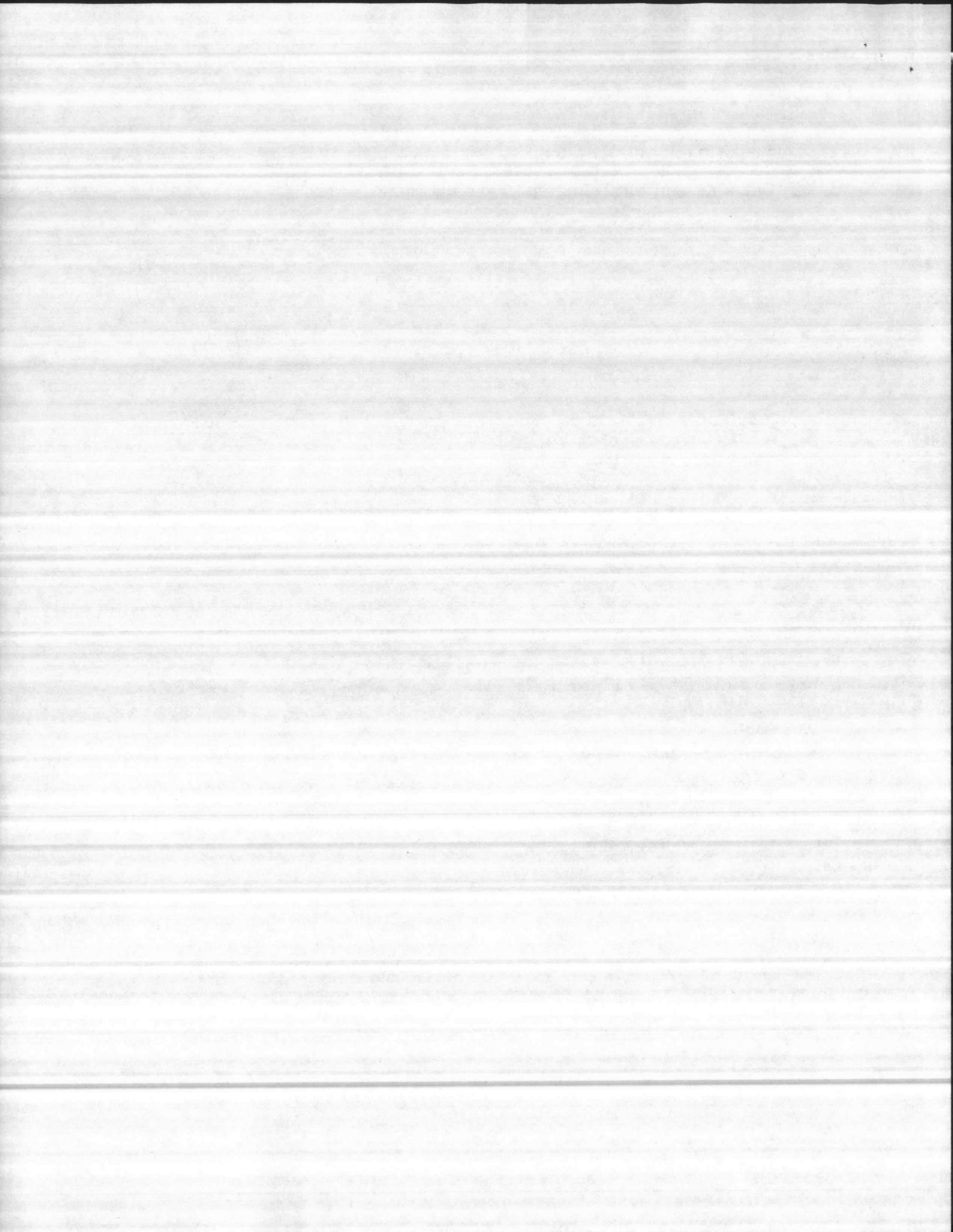
Sample complies with the above Specification.

Respectfully submitted,

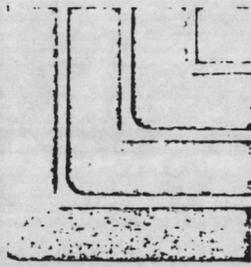
AMBRIC TESTING, INC.

H.M. Carson
 H. M. Carson, President

HMC/jmc



AMBRIC



Meyer Paint Corporation
P.O. Box 4095
Lancaster, PA 17604

Re: Naval Regional Medical Center
Camp Lejeune, North Carolina
Contract N-62470-77C-7526
Manufacturer: M.A.B Paints

Date April 4, 1981

Laboratory No. 11787-D

ambric testing inc.

3600 Crawford St.
Philadelphia, Pa.
19129
215-438-7944

LABORATORY TEST REPORT

Material: One Quart of Paint, TT-E-509, Semi-Gloss, Color #27769, Batch IF 4221

Date Submitted: January 8, 1981

Method of Test: Federal Standard 141, "Paint Test Methods"

Results:

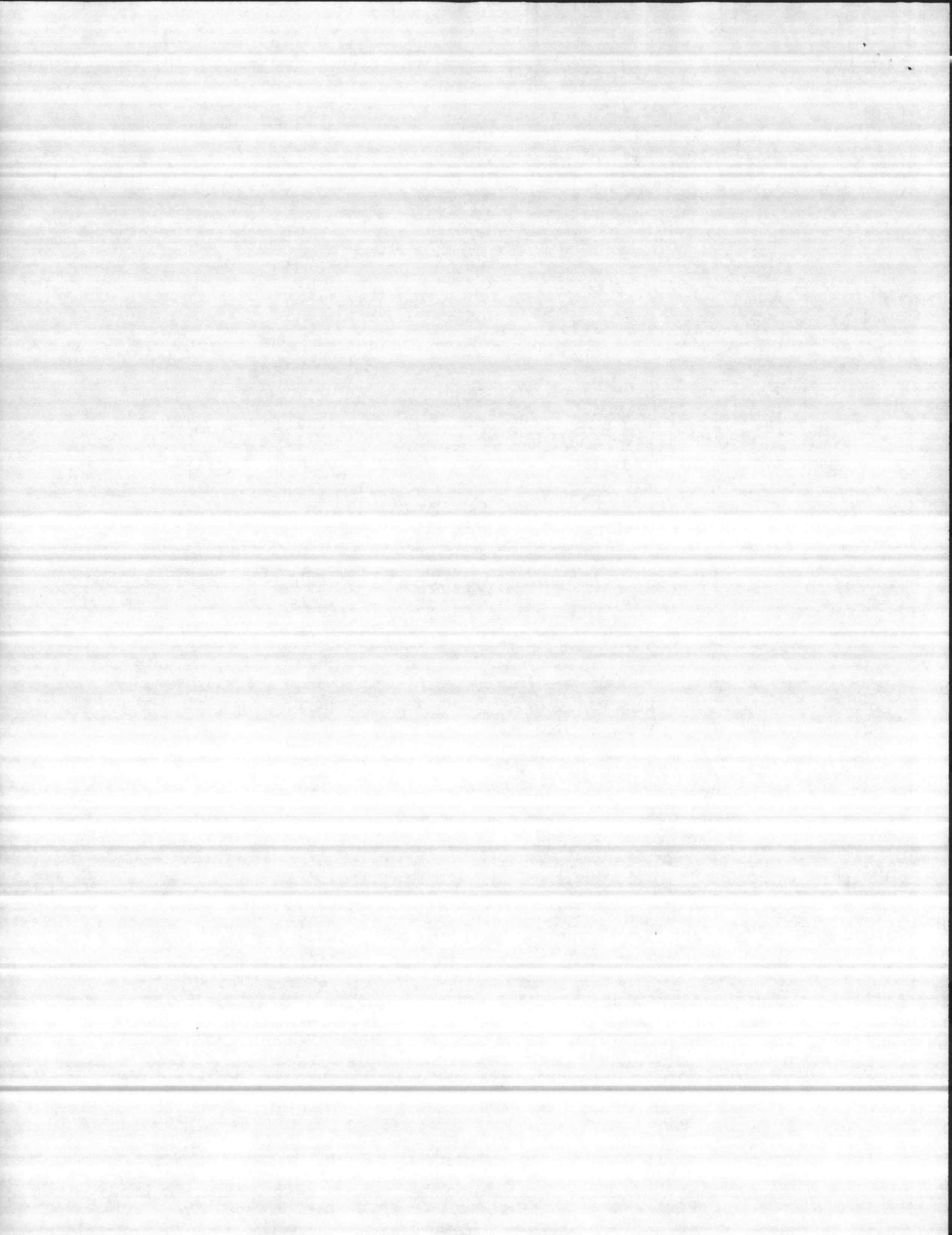
TEST PERFORMED	RESULTS	REQUIREMENT (TT-E-509)	
		MINIMUM	MAXIMUM
Volume Percentage of Pigment in Total Non-volatile	34.4	33	--
Vehicle, % by weight of Enamel	63.0	--	65
Water, % by weight of Enamel	Nil	--	0.5
Coarse Particles & Skins, % by weight of Enamel	0.08	--	0.5
Consistency, Krebs Units	76	67	77
Dry Time, Air Drying, Tack Free, Hours	3 1/2	2	6
Dry Time, Air Drying, Dry Hard, Hours	6 2/3	--	12
60° Specular Gloss	48	40	70
Fineness of Grind	7.0	6	--
Accelerated Yellowness	0.05	--	0.10
Absorption, inch	1/16	--	1/8
Wahability Characteristics After Test:			
Reflectance, % of that measured after accelerated aging.	100	98	--
Gloss, % of that measured after accelerated weathering	76	70	--
Lead Content	None	--	--

Sample complies with the above Specification.

Respectfully submitted,

AMBRIC TESTING, INC.

H M Carson
H M Carson President





Meyer Paint Corporation
 P.O. Box 4095
 Lancaster, PA 17604

Re: Naval Regional Medical Center
 Camp Lejeune, North Carolina
 Contract N-62470-77C-7526
 Manufacturer: M.A.B Paints

Date April 4, 1981
 Laboratory No. 11787-E

ambric testing inc.

3600 Crawford St.
 Philadelphia, Pa.
 19129
 215-438-7944

LABORATORY TEST REPORT

Material: One Quart of Paint, TT-E-545, Enamel Undercoat,
 Batch IF 4210
 Date Submitted: January 8, 1981
 Method of Test: Federal Standard 141, "Paint Test Methods"

Results:

TEST PERFORMED	RESULTS	REQUIREMENT	
		MINIMUM	MAXIMUM
Pigment, % by weight of Enamel	59.9	59	--
Non-volatile Vehicle, % by weight of Vehicle	40.4	27	--
Phthalic Anhydride, % by weight of Non-volatile Vehicle	24.5	23	--
Water, % by weight of Enamel	0.05	--	0.5
Coarse Particles & Skins % by weight of Pigment	0.08	00	0.5
Consistency, Krebs Units	83	72	89
Dry Time, Set to Touch, Hours	1 4/5	1/2	2
Dry Time, Dust Free, Hours	2 2/3	--	12
Specular Gloss	6	3	10
Fineness of Grind	7.0	4	--
Lead Content, % by weight of Total Non-volatile	None	--	0.5

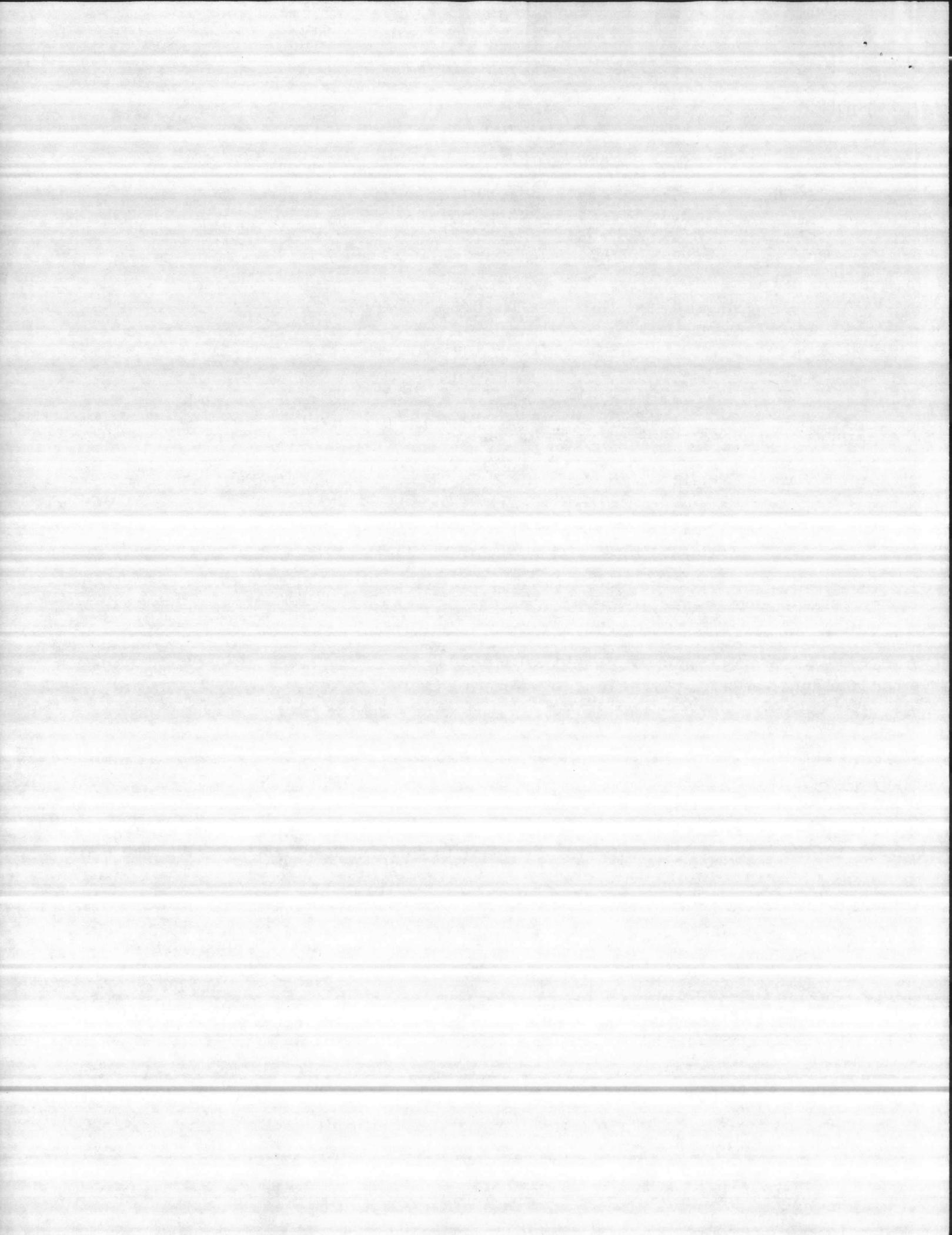
Sample complies with above specification.

Respectfully submitted,

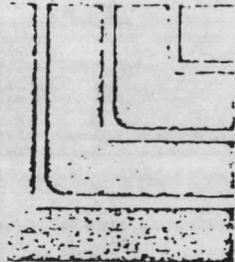
AMBRIC TESTING, INC.

H.M. Carson
 H. M. Carson, President

HMC/jmc



AMBRIC



mbtric testing inc.

600 Crawford St.
Philadelphia, Pa.
9129
15-438-7944

Meyer Paint Corporation
P.O. Box 4095
Lancaster, PA 17604

Re: Naval Regional Medical Center
Camp Lejeune, North Carolina
Contract N-62470-77C-7526
Manufacturer: M.A.B Paints

Date April 4, 1981
Laboratory No. 11787-F

LABORATORY TEST REPORT

Material: One Quart, TT-S-179, Alkyd Primer Sealer, White, Batch IF 4255
Date Submitted: January 8, 1981
Method of Test: Federal Standard 141, "Paint Test Methods"

Results:

TEST PERFORMED	RESULTS	REQUIREMENT (TT-S-179)	
		MINIMUM	MAXIMUM
Non-volatile Vehicle, % by weight of Vehicle	42.1	42	--
Absorption, inch	None	--	1/8
Water, % by weight of Sealer	0.05	--	1.0
Consistency, Krebs Units	79	70	84
Dry Time: Set to Touch, Hours	1 4/5	1/2	4
Dry Time: Dry Hard for Recoat, Hours	5 1/5	--	24
Daylight Directional Re-flectance	76	75	--
Lead Content, % by weight of Total Non-volatile	None	--	0.5

Sample complies with above Specification.

Respectfully submitted,
AMBRIC TESTING, INC.
H.M. Carson
H. M. Carson, President

HMC/jmc

