

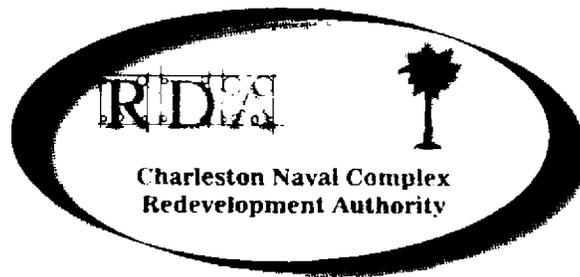
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ASBESTOS SURVEY REPORT FOR BUILDING 76 CNC CHARLESTON SC
3/1/2002
DAVIS AND FLOYD, INC.

ASBESTOS SURVEY REPORT

FOR

BUILDING 76



Located at:

**Charleston Naval Shipyard
North Charleston, South Carolina**

**DAVIS & FLOYD, INC.
(PROJECT 030728.01)**

March 2002

PREPARED BY

**DAVIS & FLOYD, INC.
ENVIRONMENTAL DIVISION
GREENWOOD, SOUTH CAROLINA**

ASBESTOS SURVEY REPORT

BUILDING 76

CHARLESTON NAVAL COMPLEX REDEVELOPMENT AUTHORITY

NORTH CHARLESTON, SOUTH CAROLINA

ASBESTOS SURVEY REPORT
BUILDING 76
CHARLESTON NAVAL COMPLEX REDEVELOPMENT AUTHORITY
NORTH CHARLESTON, SOUTH CAROLINA

MARCH 2002

DAVIS & FLOYD, INC. JOB NUMBER 030728.00

PREPARED BY
DAVIS & FLOYD, INC.
ENVIRONMENTAL SERVICES DIVISION
GREENWOOD, SOUTH CAROLINA

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1.0 BUILDING 76

1.1 Introduction

On January 30, 2002, representatives from Davis and Floyd, Inc. conducted an asbestos survey of Building 76 at the Charleston Naval Shipyard, North Charleston, South Carolina. The purpose of this inspection was to locate, sample, and make note of all sources of suspected asbestos-containing material.

1.2 Homogeneous Material Assessment

Thirty (30) homogeneous materials (materials uniform in color, texture, and date of application) of suspected ACM were found in this area. The following table lists and assesses each suspected homogeneous material:

Homo. ID	Homogeneous Material (Category)	Overall Condition	Potential for Further Disturbance
HM-01	Type – 1 SAT (Misc.)	NF-Fair	Low
HM-02	Black Felt Paper (Misc.)	NF-Fair	Low
HM-03	Concealed Spline Ceiling Tile (Misc.)	NF-Fair	Low
HM-04	9 x 9 Black Floor Tile (Misc.)	NF-Fair	Low
HM-05	9 x 9 Red Floor Tile (Misc.)	NF-Fair	Low
HM-06	12 x 12 Tan Speck Floor Tile (Type-1) (Misc.)	NF-Fair	Low
HM-07	Wall Plaster (Surf.)	F-Fair	Low
HM-08	12 x 12 Brown Speck Floor Tile (Type-2) (Misc.)	NF-Fair	Low
HM-09	Vinyl Floor Covering (Sheet) (Misc.)	NF-Fair	Low
HM-10	Type – 2 SAT (Misc.)	NF-Fair	Low
HM-11	Type – 3 SAT (Misc.)	NF-Fair	Low
HM-12	Gypsum Board (Misc.)	NF-Fair	Low
HM-13	Joint Compound (Misc.)	NF-Fair	Low
HM-14	Acoustical Wall Tile (Misc.)	NF-Fair	Low
HM-15	Wall Tile Construction Adhesive (Misc.)	NF-Fair	Low
HM-16	Parapet Wall Roof Flashing (Misc.)	NF-Fair	Low
HM-17	Vapor Barrier (Misc.)	NF- Fair	Low
HM-18	Vapor Barrier s (Misc.)	NF- Fair	Low
HM-19	Walking Surface Pad (Misc.)	NF- Fair	Low
HM-20	Parapet Wall Roof Flashing (Misc.)	NF- Fair	Low
HM-21	Base Flashing (Misc.)	NF- Fair	Low
HM-22	Pitch Pocket (Misc.)	NF- Fair	Low

Homogeneous Material (Category): Surf. -Surfacing; Misc.-Miscellaneous; TSI-Thermal System Insulation

Overall Condition: (F) - Friable – Good, Fair, Poor; (NF)-Non-Friable – Good, Fair, Poor

Potential for Further Disturbance: Low, Medium, High

Homo. ID	Homogeneous Material (Category)	Overall Condition	Potential for Further Disturbance
HM-23	Steam Supply Pipe Insulation (TSI)	NF-Fair	Low
HM-24	Ground Debris (Misc.)	F- Fair	Low
HM-25	Hot Water Pipe Insulation (TSI)	F- Fair	Low
HM-26	Pipe Insulation Joint (Misc.)	NF-Fair	Low
HM-27	Window Glazing Compound (Misc.)	F-Fair	Low
HM-28	Textured Finish on Gypsum Wallboard (Misc.)	NF-Fair	Low
HM-29	Pipe Insulation (TSI)	F-Fair	Low
HM-30	Pipe Joint Insulation (TSI)	F-Fair	Low

Homogeneous Material (Category): Surf. -Surfacing; Misc.-Miscellaneous; TSI-Thermal System Insulation

Overall Condition: (F) - Friable – Good, Fair, Poor; (NF)-Non-Friable – Good, Fair, Poor

Potential for Further Disturbance: Low-medium-high

1.3 Bulk Sample Results

Representative samples of each suspected homogenous material were randomly collected from locations throughout the area. According to 40 CFR 763.87, the Environmental Protection Agency defines a material to qualify as "asbestos-containing material" if any sample of the suspect material is found to contain asbestos in concentrations greater than one percent (1%). For this reason and for economic reasons, when a bulk sample was analyzed and confirmed to contain asbestos, the remaining bulk samples of the corresponding homogeneous material may not have been analyzed. Davis & Floyd, Inc., Environmental Services Division, Greenwood, South Carolina conducted all sample analyses. Analyses were done using polarized light microscopy (PLM) with dispersion staining. See Chain of Custody Forms and Sample Results for a list of samples collected and the asbestos content of each.

Laboratory results indicate that none of the following homogeneous materials were found to contain asbestos fibers:

HM-01	Type – 1 SAT
HM-02	Black Felt Paper
HM-03	Concealed Spline Ceiling Tile
HM-07	Wall Plaster
HM-10	Type – 2 SAT
HM-11	Type – 3 SAT
HM-12	Gypsum Board
HM-13	Joint Compound
HM-14	Acoustical Wall Tile
HM-15	Wall Tile Construction Adhesive
HM-17	Vapor Barrier
HM-19	Walking Surface Pad
HM-22	Pitch Pocket
HM-27	Window Glazing Compound
HM-28	Textured Finish on Gypsum Wallboard

Laboratory results indicate the following were found to contain asbestos fibers:

HM-04	9 x 9 Black vinyl floor tile – In Rooms 112, 115, 241, 245, 245A, 222, 220A, 207A, 305, mechanical room #2A
HM-05	9 x 9 Red vinyl floor tile – In Room 112, 115, 241, 245, 245A, 222, 220A, 207A, 305
HM-06	12 x 12 Type –1 tan speck vinyl floor tile – In main lobby, Rooms 104C, 104C, 104D, 105, 106, 103, 103A, 107, 2 nd floor toilet foyer
HM-08	12 x 12 Type –2 brown speck vinyl floor tile – Rooms 234, D-1, 240B, 240C, 242, 244, 202, 221, 220, 219, 218, 215, 214, 213, 213A, 208, 207, 216, 305A, 309, 228, 228A, 228B, 2 nd floor toilets
HM-09	Vinyl floor covering (Sheet) – In toilet 116
HM-16	Parapet wall roof flashing – On parapet wall @ roof
HM-18	Vapor barrier – @ main roof above annex
HM-20	Parapet wall roof flashing – On parapet wall @ roof above annex
HM-21	Base flashing – @ penthouse wall flashing at main roof
HM-23	Steam supply pipe insulation – In crawl space
HM-24	Ground debris – In crawl space
HM-25	Hot water pipe insulation – In crawl space
HM-26	½" Pipe joint insulation – In crawl space
HM-29	Pipe insulation – In 1 st floor above ceiling of room 101B
HM-30	Pipe joint insulation – In 1 st floor above ceiling of room 101B

Refer to the attached **chain of custody and sample results** forms to match up sample ID numbers, description of materials, sample site location, homogeneous material (area) ID numbers, and the asbestos content in each sample. Also, refer to copies of the **Laboratory Analysis Reports**, and the building **floor plans**.

1.4 Regulatory Requirements

- Confirmed asbestos containing materials (ACM) should not be disturbed by untrained personnel. Damaged or ACM in poor condition should be removed and repaired by trained asbestos workers.
- Confirmed ACM should be periodically inspected. During the inspection, if the ACM is found to be damaged or in a deteriorated condition necessary repairs should be performed by qualified individuals.
- Before starting a renovation/demolition project, which involves disturbing the ACM, the ACM should be removed by a licensed asbestos abatement contractor.
- Any activity involving the ACM should be in compliance with South Carolina Department of Health and Environmental Control Regulation 61-86.1, Standards of Performance for Asbestos Projects.

2.0 CHAIN OF CUSTODY FORMS AND SAMPLE RESULTS

The chain of custody forms and laboratory analysis sheets are included in this section.

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: **CHARLESTON NAVAL SHIPYARD**
CHARLESTON, SOUTH CAROLINA
 Client: **CNCRA** Contact: **SEAN McDONELL**
 Collected By: **M. STEVENS / B. BROOKSHIRE** Date: **01/30/02**

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-01	SUSPENDED ACOUST. CLG. TILE (TYPE-1)		FIRST FLOOR ROOM 129	01/30/02	1			0%
76-02	BLACK FELT PAPER		FIRST FLOOR ROOM 129 ABOVE CONC. SPLINE CLG.	"	2			0%
76-03	CONCEALED SPLINE CEILING TILE		FIRST FLOOR ROOM 129 ABOVE SUSP. CEILING	"	3			0%
76-04	9 X 9 BLACK FLOOR TILE (ORIGINAL)		FIRST FLOOR CORRIDOR 146 UNDER CARPET	"	4		SEE	BELOW
76-05	9 X 9 RED FLOOR TILE (ORIGINAL)		FIRST FLOOR CORRIDOR 146 UNDER CARPET	"	5		SEE	BELOW
76-06	SUSPENDED ACOUST. CLG. TILE (TYPE-1)		FIRST FLOOR ROOM 134	"	1			0%
76-07	BLACK FELT PAPER		FIRST FLOOR ROOM 134 ABOVE CONC. SPLINE CLG.	"	2			0%
76-08	CONCEALED SPLINE CEILING TILE		FIRST FLOOR ROOM 134 ABOVE SUSP. CEILING	"	3			0%
76-09	SUSPENDED ACOUST. CLG. TILE (TYPE-1)		FIRST FLOOR HALL 111	"	1			0%
76-10	12 X 12 FLOOR TILE TAN SPECK. (TYPE-1)		FIRST FLOOR LOBBY 104	"	6		SEE	BELOW

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
	2/4/2002	HAND				

SPECIAL INSTRUCTIONS:

SAMPLE 76-04 LAB RESULTS 4% TILE & 0% MASTIC
 SAMPLE 76-05 LAB RESULTS 5% TILE & 0% MASTIC
 SAMPLE 76-10 LAB RESULTS 0% TILE & 5% MASTIC

NR - INDICATES SAMPLE NOT READ.

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: CHARLESTON NAVAL SHIPYARD
 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-11	9 X 9 BLACK FLOOR TILE (ORIGINAL)		FIRST FLOOR HALL 112	01/30/02	4		SEE	BELOW
76-12	9 X 9 RED FLOOR TILE (ORIGINAL)		FIRST FLOOR HALL 112	"	5		SEE	BELOW
76-13	BLACK FELT PAPER		FIRST FLOOR ROOM 119 ABOVE CONC. SPLINE CLG.	"	2			0%
76-14	CONCEALED SPLINE CLG. TILE		FIRST FLOOR ROOM 119 ABOVE SUSP. CLG.	"	3			0%
76-15	12 X 12 FLOOR TILE TAN SPECK. (TYPE-1)		SECOND FLOOR FOYER AT TOILET 227	"	6		SEE	BELOW
76-16	9 X 9 RED FLOOR TILE (ORIGINAL)		SECOND FLOOR ROOM 234	"	5		SEE	BELOW
76-17	WALL PLASTER		FIRST FLOOR STAIRWELL 126	"	7			0%
76-18	WALL PLASTER		SECOND FLOOR TOILET 227	"	7			0%
76-19	WALL PLASTER		THIRD FLOOR TOILET 302	"	7			0%
76-20	12 X 12 FLOOR TILE BRN. SPECK. (TYPE-2)		SECOND FLOOR ROOM 234	"	8		SEE	BELOW

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
	2/4/2002	HAND				

SPECIAL INSTRUCTIONS: N.R. - INDICATES SAMPLE NOT READ

SAMPLE 76-11 N.R. TILE & 0% MASTIC SAMPLE 76-20 0% TILE & 0% MASTIC
 SAMPLE 76-12 N.R. TILE & 0% MASTIC
 SAMPLE 76-15 0% TILE & N.R. MASTIC
 SAMPLE 76-16 N.R. TILE & 8% MASTIC

Building Name: **BUILDING 76** Job No. **030728.01**
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 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-21	VINYL FLOOR COVERING (SHEET)		FIRST FLOOR TOILET 116	01/30/02	9			10%
76-22	VINYL FLOOR COVERING (SHEET)		FIRST FLOOR TOILET 116	"	9			N.R.
76-23	9 X 9 BLACK FLOOR TILE (ORIGINAL)		SECOND FLOOR ROOM 226	"	4		SEE	BELOW
76-24	WALL PLASTER		FIRST FLOOR TOILET 114	"	7			0%
76-25	WALL PLASTER		FIRST FLOOR TOILET 113	"	7			0%
76-26	12 X 12 FLOOR TILE TAN SPECK. (TYPE-1)		FIRST FLOOR LOBBY 101A	"	6		SEE	BELOW
76-27	12 X 12 FLOOR TILE BRN. SPECK. (TYPE-2)		SECOND FLOOR CORRIDOR 246	"	8		SEE	BELOW
76-28	12 X 12 FLOOR TILE BRN. SPECK. (TYPE-2)		SECOND FLOOR CORRIDOR 216	"	8		SEE	BELOW
76-29	SUSPENDED ACOUST. CLG. TILE (TYPE-2)		SECOND FLOOR ROOM 242	"	10			0%
76-30	SUSPENDED ACOUST. CLG. TILE (TYPE-2)		SECOND FLOOR ROOM 239	"	10			0%

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
	2/4/2002	HAND				

SPECIAL INSTRUCTIONS: NR - INDICATES SAMPLE NOT READ.

SAMPLE 76-23 LAB RESULTS N.R. TILE & 0% MASTIC

SAMPLE 76-26 LAB RESULTS 0% TILE & N.R. MASTIC

SAMPLE 76-27 LAB RESULTS 2% TILE & 0% MASTIC

SAMPLE 76-28 LAB RESULTS 3% TILE & 0% MASTIC

DAVIS Engineering
FLOYD Architecture
 Environmental & Laboratory Services
 Greenwood • Charleston • Columbia

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: CHARLESTON NAVAL SHIPYARD
 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-31	SUSPENDED ACOUST. CLG. TILE (TYPE-2)		SECOND FLOOR CORRIDOR 216	01/30/02	10			0%
76-32	SUSPENDED ACOUST. CLG. TILE (TYPE-3)		THIRD FLOOR ROOM 304	"	11			0%
76-33	SUSPENDED ACOUST. CLG. TILE (TYPE-3)		THIRD FLOOR ROOM 304	"	11			0%
76-34	SUSPENDED ACOUST. CLG. TILE (TYPE-3)		THIRD FLOOR ROOM 304	"	11			0%
76-35	GYPSUM WALLBOARD		FIRST FLOOR CORRIDOR 146	"	12			0%
76-36	JOINT COMPOUND		FIRST FLOOR CORRIDOR 146	"	13			0%
76-37	GYPSUM WALLBOARD		SECOND FLOOR ROOM 231	"	12			0%
76-38	JOINT COMPOUND		SECOND FLOOR ROOM 231	"	13			0%
76-39	GYPSUM WALLBOARD		SECOND FLOOR CORRIDOR 216	"	12			0%
76-40	JOINT COMPOUND		SECOND FLOOR CORRIDOR 216	"	13			0%

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CHARLESTON, SOUTH CAROLINA
 Client: **CNCRA** Contact: **SEAN McDONELL**
 Collected By: **M. STEVENS / B. BROOKSHIRE** Date: **01/30/02**

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-41	GYPSUM WALLBOARD		FIRST FLOOR ROOM 107	01/30/02	12			0%
76-42	JOINT COMPOUND		FIRST FLOOR ROOM 107	"	13			0%
76-43	ACOUSTICAL WALL TILES		FIRST FLOOR ROOM 140	"	14			0%
76-44	WALL TILE CONSTRUCTION ADHESIVE		FIRST FLOOR ROOM 140	"	15			0%
76-45	GYPSUM WALLBOARD		SECOND FLOOR CORRIDOR 216	"	12			0%
76-46	JOINT COMPOUND		SECOND FLOOR CORRIDOR 216	"	13			0%
76-47	ACOUSTICAL WALL TILES		FIRST FLOOR ROOM 144	"	14			0%
76-48	WALL TILE CONSTRUCTION ADHESIVE		FIRST FLOOR ROOM 144	"	15			0%
76-49	ACOUSTICAL WALL TILES		SECOND FLOOR ROOM 229	"	14			0%
76-50	WALL TILE CONSTRUCTION ADHESIVE		SECOND FLOOR ROOM 229	"	15			0%

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 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-51	PARAPET WALL ROOF FLASHING		PARAPET WALL AT ROOF ABOVE THIRD FLOOR	01/30/02	16			2%
76-52	PARAPET WALL ROOF FLASHING		PARAPET WALL AT ROOF BESIDE ACCESS STAIRS	"	16			N.R.
76-53	PARAPET WALL ROOF FLASHING		PARAPET WALL AT ROOF BESIDE PENTHOUSE	"	16			N.R.
76-54	VAPOR BARRIER		MAIN ROOF ABOVE SECOND FLOOR	"	17			0%
76-55	VAPOR BARRIER		MAIN ROOF ABOVE THIRD FLOOR	"	17			0%
76-56	VAPOR BARRIER		MAIN ROOF ABOVE ANNEX	"	18			5%
76-57	WALKING SURFACE PAD		MAIN ROOF ABOVE SECOND FLOOR	"	19			0%
76-58	PARAPET WALL ROOF FLASHING		PARAPET WALL AT ROOF ABOVE ANNEX	"	20			5%
76-59	BASE FLASHING		PENTHOUSE WALL FLASHING TO MAIN ROOF	"	21			10%
76-60	PITCH POCKET		COOLING TOWER EQUIPMENT SUPPORT	"	22			0%

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 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-61	STEAM SUPPLY PIPE INSULATION		CRAWL SPACE	01/30/02	23			25%
76-62	STEAM SUPPLY PIPE INSULATION		CRAWL SPACE	"	23			N.R.
76-63	GROUND DEBRIS		CRAWL SPACE	"	24			22%
76-64	HOT WATER PIPE INSULATION		CRAWL SPACE	"	25			10%
76-65	1/2" DIA. PIPE JOINT INSULATION		CRAWL SPACE	"	26			30%
76-66	PIPE LAGGING COMPOUND		CRAWL SPACE	"	27			10%
76-67	PIPE JOINT INSULATION		CRAWL SPACE	"	26			N.R.
76-68	WINDOW GLAZING COMPOUND		FIRST FLOOR WINDOW (INSIDE)	"	27			0%
76-69	WINDOW GLAZING COMPOUND		FIRST FLOOR WINDOW (INSIDE)	"	27			0%
76-70	WINDOW GLAZING COMPOUND		FIRST FLOOR WINDOW (INSIDE)	"	27			0%

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 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-71	TEXTURED FINISH ON GYP. WALLBOARD		SECOND FLOOR ROOM 238	01/30/02	28			0%
76-72	TEXTURED FINISH ON GYP. WALLBOARD		SECOND FLOOR ROOM 238	"	28			0%
76-73	PIPE INSULATION		FIRST FLOOR ABOVE CLG. ROOM 101B	"	29			5%
76-74	PIPE JOINT INSULATION		FIRST FLOOR ABOVE CLG. ROOM 101B	"	30			60%

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SPECIAL INSTRUCTIONS:

NR - INDICATES SAMPLE NOT READ.

3.0 LABORATORY ANALYSIS REPORTS

The laboratory analysis reports are included in this section.

DAVIS Engineering
FLOYD Architecture
Environmental & Laboratory Services

PO. Drawer 428 Greenwood, SC 29648 • 816 East Durst Avenue Greenwood, SC 29649 • (864) 229-4413 (office) (864) 229-7119 (fax)

February 21, 2002
Job No. 30728.01
Work Order No. L02021504

Mr. Robert Brookshire
Davis & Floyd, Inc.
P.O. Drawer 428
816 East Durst Avenue
Greenwood, S.C. 29649

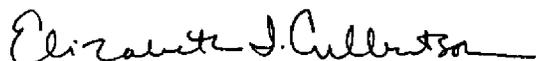
RE: Bulk Sample Asbestos Report

Dear Mr. Brookshire:

As requested, the 75 bulk samples from BUILDING 76 received on February 04, 2002 have been analyzed for asbestos type and an estimation of the concentration has been made. During this work the sample was analyzed stereomicroscopically and each fiber type was recorded. The quantification of each fiber type was accomplished through an estimation of each as related to the sum of sample components. Each fiber type found was identified through the use of Polarized Light Microscopy with Dispersion Staining (PLM/DS).

Enclosed are the analysis results. Should you have any questions, please feel free to phone.

Very Truly Yours,



Elizabeth I. Culbertson
DAVIS & FLOYD, INC.

Job # : 30728.01 D&F Work Order #: L02021504-13
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-10B
Sample Date : January 30, 2002
Description : Mastic: Black, Homogeneous, Sticky, Bituminous

Asbestos Type(s) Present: 01

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 5
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 5

Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 5
6. Binder	: 80
7. Other	: 10

Other Total : 95

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

Signature - 
Of : DAVIS & FLOYD, INC.

Laboratory EPA No.: 4788
Laboratory NVLAP No.: 101410 Page: 13 of 75

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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Job # : 30728.01 D&F Work Order #: L02021504-14
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-11B
Sample Date : January 30, 2002
Description : Mastic: Black, Homogeneous, Sticky, Bituminous

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 10
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 5
6. Binder	: 75
7. Other	: 10

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Laboratory EPA No.: 4788
Laboratory NVLAP No.: 101410 Page: 14 of 75

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Job # : 30728.01 D&F Work Order #: L02021504-16
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-13
Sample Date : January 30, 2002
Description : Black Felt Paper: Black, Homogeneous, Fibrous, Rough

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0
Estimated Percentage

Other Components

1. Cellulose Fibers	: 60
2. Glass Fibers	: 10
3. Mineral Wool Fibers	: 5
4. Perlite	: 0
5. Mica	: 5
6. Binder	: 10
7. Other	: 10

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.
: Sample was ashed.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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Job # : 30728.01 D&F Work Order #: L02021504-18
Client : CNCRA Report ID #: AA16517
Location : Building 76
 : Charleston Naval Shipyard
 : Charleston, S.C.
Clients sample #: 76-15A
Sample Date : January 30, 2002
Description : Floor Tile Tan Speck.: Tan, Homogeneous, Hard, Rough

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 5
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 20
7. Other	: 65

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M.Steven/B.Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Job # : 30728.01 D&F Work Order #: L02021504-19
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-16B
Sample Date : January 30, 2002
Description : Mastic: Black, Homogeneous, Sticky, Bituminous

Asbestos Type(s) Present: 01

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 8
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 8

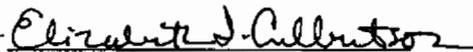
Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 2
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 5
6. Binder	: 75
7. Other	: 10

Other Total : 92

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Job # : 30728.01 D&F Work Order #: L02021504-24
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-20B
Sample Date : January 30, 2002
Description : Mastic: Brown, Homogeneous, Brittle, Hard, Rough

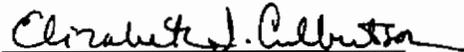
Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0
Asbestos Total	: 0

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 5
6. Binder	: 85
7. Other	: 10
Other Total	: 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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LABORATORY ANALYSIS REPORT

Job # : 30728.01 D&F Work Order #: L02021504-27
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-24
Sample Date : January 30, 2002
Description : Wall Plaster: White, Homogeneous, Hard, Rough

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

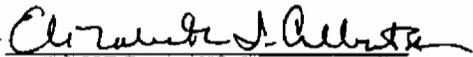
Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 20
6. Binder	: 70
7. Other	: 10

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

:

Sampled by : M.Steven/B.Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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Job # : 30728.01 D&F Work Order #: L02021504-29
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-26A
Sample Date : January 30, 2002
Description : Floor Tile Tan Speck.: Tan, Homogeneous, Hard, Rough

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 20
7. Other	: 70

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

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Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Job # : 30728.01 D&F Work Order #: L02021504-32
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-28A
Sample Date : January 30, 2002
Description : Floor Tile Brn. Speck.: Black/Brown, Nonhomogeneous
Hard, Rough

Asbestos Type(s) Present: 01

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 3
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 3

Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 2
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 20
7. Other	: 65

Other Total : 97

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.
: Black Tile-3% chrysotile; Brown Tile-0% asbestos.

Sampled by : M.Steven/B.Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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LABORATORY ANALYSIS REPORT

Job # : 30728.01 D&F Work Order #: L02021504-33
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-28B
Sample Date : January 30, 2002
Description : Mastic: Brown, Homogeneous, Brittle, Rough

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0
Asbestos Total : 0	

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 70
7. Other	: 20
Other Total : 100	

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Job # : 30728.01 D&F Work Order #: L02021504-34
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-29
Sample Date : January 30, 2002
Description : Suspended Acoust. Clg. Tile: Black/White,
Nonhomogeneous, Fibrous, Rough

Asbestos Type(s) Present: NONE
Asbestos Materials

	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

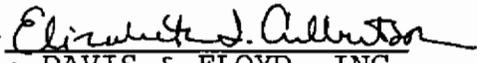
Other Components

	Estimated Percentage
1. Cellulose Fibers	: 60
2. Glass Fibers	: 5
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 10
7. Other	: 15

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Job # : 30728.01 D&F Work Order #: L02021504-41
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-36
Sample Date : January 30, 2002
Description : Joint Compound: Gray/White, Nonhomogeneous, Grainy,
Rough

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

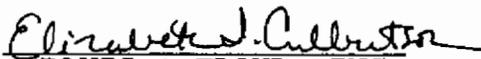
Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 20
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 5
6. Binder	: 10
7. Other	: 65

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Job # : 30728.01 D&F Work Order #: L02021504-44
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-39
Sample Date : January 30, 2002
Description : Gypsum Wallboard: Gray/Brown, Nonhomogeneous,
Grainy, Rough

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

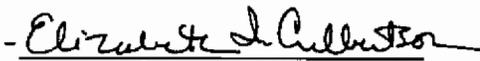
Asbestos Total : 0

Other Components	Estimated Percentage
1. Cellulose Fibers	: 10
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 5
6. Binder	: 5
7. Other	: 80

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

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Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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Job # : 30728.01 D&F Work Order #: L02021504-49
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-44
Sample Date : January 30, 2002
Description : Wall Tile Construction Adhesive: Brown,
Homogeneous, Hard, Rough

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

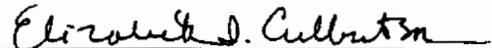
Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 5
6. Binder	: 95
7. Other	: 0

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M.Steven/B.Brookshire
Report Date : February 21, 2002
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LABORATORY ANALYSIS REPORT

Job # : 30728.01 D&F Work Order #: L02021504-50
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-45
Sample Date : January 30, 2002
Description : Gypsum Wallboard: Gray, Homogeneous, Grainy, Rough

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0
Asbestos Total	: 0

Other Components	Estimated Percentage
1. Cellulose Fibers	: 5
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 5
7. Other	: 80
Other Total	: 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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LABORATORY ANALYSIS REPORT

Job # : 30728.01 D&F Work Order #: L02021504-51
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-46
Sample Date : January 30, 2002
Description : Joint Compound: White/Gray, Nonhomogeneous, Chalky,
Rough

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

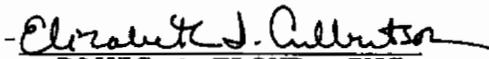
Asbestos Total : 0

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 70
7. Other	: 20

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M.Steven/B.Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

Signature - 
Of : DAVIS & FLOYD, INC.

Laboratory EPA No.: 4788
Laboratory NVLAP No.: 101410 Page: 51 of 75

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

This sample will be disposed of according to local, state and federal law if notification to return is not received within 30 days of this report. If returned, a shipping and handling fee may be charged.

Job # : 30728.01 D&F Work Order #: L02021504-52
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-47
Sample Date : January 30, 2002
Description : Acoustical Wall Tiles: White, Homogeneous, Fibrous,
Rough

Asbestos Type(s) Present: NONE

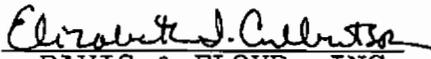
Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0
Asbestos Total : 0	

Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 10
3. Mineral Wool Fibers	: 70
4. Perlite	: 0
5. Mica	: 5
6. Binder	: 5
7. Other	: 10
Other Total : 100	

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

Signature - 
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Laboratory EPA No.: 4788
Laboratory NVLAP No.: 101410 Page: 52 of 75

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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Job # : 30728.01 D&F Work Order #: L02021504-57
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-54
Sample Date : January 30, 2002
Description : Vapor Barrier: Black, Homogeneous, Hard, Rough,
Bituminous

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

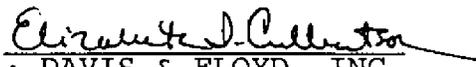
Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 45
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 45
7. Other	: 0

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.
: Sample was ashed.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Laboratory NVLAP No.: 101410 Page: 57 of 75

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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LABORATORY ANALYSIS REPORT

Job # : 30728.01 D&F Work Order #: L02021504-58
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-55
Sample Date : January 30, 2002
Description : Vapor Barrier: Black, Homogeneous, Hard, Rough,
Bituminous

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

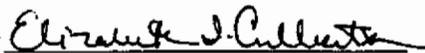
Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 45
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 45
7. Other	: 0

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.
: Sample was ashed.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

Signature - 
Of : DAVIS & FLOYD, INC.

Laboratory EPA No.: 4788
Laboratory NVLAP No.: 101410 Page: 58 of 75

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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LABORATORY ANALYSIS REPORT

Job # : 30728.01 D&F Work Order #: L02021504-59
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-56
Sample Date : January 30, 2002
Description : Vapor Barrier: Black, Homogeneous, Hard, Rough,
Bituminous

Asbestos Type(s) Present: 01

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 5
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 5

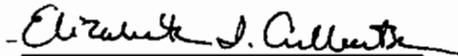
Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 75
7. Other	: 10

Other Total : 95

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.
: Sample was ashed.

Sampled by : M.Steven/B.Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

Signature - 

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Laboratory EPA No.: 4788

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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LABORATORY ANALYSIS REPORT

Job # : 30728.01 D&F Work Order #: L02021504-61
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-58
Sample Date : January 30, 2002
Description : Parapet Wall Roof Flashing: Black, Nonhomogeneous,
Hard, Rough, Bituminous

Asbestos Type(s) Present: 01
Asbestos Materials

	Estimated Percentage
1. Chrysotile	: 5
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 5

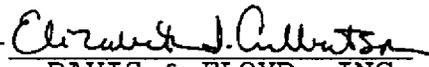
Other Components

	Estimated Percentage
1. Cellulose Fibers	: 30
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 45
7. Other	: 10

Other Total : 95

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.
: Sample was ashed.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Laboratory NVLAP No.: 101410 Page: 61 of 75

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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Job # : 30728.01 D&F Work Order #: L02021504-62
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-59
Sample Date : January 30, 2002
Description : Base Flashing: Black, Homogeneous, Hard, Rough,
Bituminous

Asbestos Type(s) Present: 01

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 10
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 10

Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 5
6. Binder	: 75
7. Other	: 10

Other Total : 90

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.
: Sample was ashed.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Laboratory NVLAP No.: 101410 Page: 62 of 75

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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LABORATORY ANALYSIS REPORT

Job # : 30728.01 D&F Work Order #: L02021504-63
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-60
Sample Date : January 30, 2002
Description : Pitch Pocket: Black, Homogeneous, Hard, Rough,
Bituminous

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

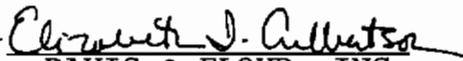
Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 10
6. Binder	: 70
7. Other	: 20

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.
: Sample was ashed.

Sampled by : M.Steven/B.Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

Signature - 
Of : DAVIS & FLOYD, INC.

Laboratory EPA No.: 4788
Laboratory NVLAP No.: 101410 Page: 63 of 75

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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Job # : 30728.01 D&F Work Order #: L02021504-64
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-61
Sample Date : January 30, 2002
Description : Steam Supply Pipe Insulation: White/Black,
Nonhomogeneous, Fluffy, Soft

Asbestos Type(s) Present: 01 02
Asbestos Materials

	Estimated Percentage
1. Chrysotile	: 15
2. Amosite	: 10
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 25

Other Components

	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 0
6. Binder	: 20
7. Other	: 55

Other Total : 75

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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Job # : 30728.01 D&F Work Order #: L02021504-68
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-66
Sample Date : January 30, 2002
Description : Pipe Lagging Compound: Brown, Nonhomogeneous,
Fibrous, Rough

Asbestos Type(s) Present: 01

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 10
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 10

Other Components

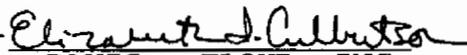
Other Components	Estimated Percentage
1. Cellulose Fibers	: 85
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 0
6. Binder	: 5
7. Other	: 0

Other Total : 90

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

:

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

Signature - 
Of : DAVIS & FLOYD, INC.

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Laboratory NVLAP No.: 101410 Page: 68 of 75

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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Job # : 30728.01 D&F Work Order #: L02021504-72
Client : CNCRA Report ID #: AA16517
Location : Building 76
 : Charleston Naval Shipyard
 : Charleston, S.C.
Clients sample #: 76-71
Sample Date : January 30, 2002
Description : Textured Finish on Gyp.Wallboard: White,
 Nonhomogeneous, Soft

Asbestos Type(s) Present: NONE

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 0
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 0

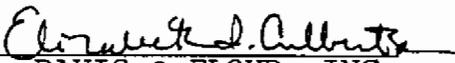
Other Components	Estimated Percentage
1. Cellulose Fibers	: 0
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 30
6. Binder	: 60
7. Other	: 10

Other Total : 100

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

:

Sampled by : M.Steven/B.Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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NOTE - Subsamples of inhomogenous samples are analyzed separately.

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Job # : 30728.01 D&F Work Order #: L02021504-75
Client : CNCRA Report ID #: AA16517
Location : Building 76
: Charleston Naval Shipyard
: Charleston, S.C.
Clients sample #: 76-74
Sample Date : January 30, 2002
Description : Pipe Joint Insulation: White, Homogeneous, Fibrous,
Rough

Asbestos Type(s) Present: 01

Asbestos Materials	Estimated Percentage
1. Chrysotile	: 60
2. Amosite	: 0
3. Crocidolite	: 0
4. Anthophyllite	: 0
5. Tremolite	: 0
6. Actinolite	: 0

Asbestos Total : 60

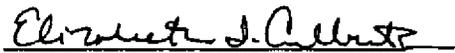
Other Components

Other Components	Estimated Percentage
1. Cellulose Fibers	: 35
2. Glass Fibers	: 0
3. Mineral Wool Fibers	: 0
4. Perlite	: 0
5. Mica	: 0
6. Binder	: 5
7. Other	: 0

Other Total : 40

Comments -- The Method used was U.S. Environmental Protection Agency:
"Method for the Determination of Asbestos in Bulk Building
Materials" EPA/600/R-93/116 July 1993.

Sampled by : M. Steven/B. Brookshire
Report Date : February 21, 2002
Analyzed by : Elizabeth I. Culbertson

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DAVIS Engineering
&
FLOYD Architecture
 Environmental & Laboratory Services
 Greenwood • Charleston • Columbia

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: CHARLESTON NAVAL SHIPYARD
 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-01	SUSPENDED ACOUST. CLG. TILE (TYPE-1)		FIRST FLOOR ROOM 129	01/30/02	1			
76-02	BLACK FELT PAPER		FIRST FLOOR ROOM 129 ABOVE CONC. SPLINE CLG.	"	2			
76-03	CONCEALED SPLINE CEILING TILE		FIRST FLOOR ROOM 129 ABOVE SUSP. CEILING	"	3			
76-04	9 X 9 BLACK FLOOR TILE (ORIGINAL)		FIRST FLOOR CORRIDOR 146 UNDER CARPET	"	4			
76-05	9 X 9 RED FLOOR TILE (ORIGINAL)		FIRST FLOOR CORRIDOR 146 UNDER CARPET	"	5			
76-06	SUSPENDED ACOUST. CLG. TILE (TYPE-1)		FIRST FLOOR ROOM 134	"	1			
76-07	BLACK FELT PAPER		FIRST FLOOR ROOM 134 ABOVE CONC. SPLINE CLG.	"	2			
76-08	CONCEALED SPLINE CEILING TILE		FIRST FLOOR ROOM 134 ABOVE SUSP. CEILING	"	3			
76-09	SUSPENDED ACOUST. CLG. TILE (TYPE-1)		FIRST FLOOR HALL 111	"	1			
76-10	12 X 12 FLOOR TILE TAN SPECK. (TYPE-1)		FIRST FLOOR LOBBY 104	"	6			

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
<i>M. Stevens</i>	2/4/02	HAND	<i>B. Brookshire</i>	Davis & Floyd, Inc.	2/4/02	<i>ok</i>

SPECIAL INSTRUCTIONS:

NR - INDICATES SAMPLE NOT READ.

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: CHARLESTON NAVAL SHIPYARD
 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-11	9 X 9 BLACK FLOOR TILE (ORIGINAL)		FIRST FLOOR HALL 112	01/30/02	4			
76-12	9 X 9 RED FLOOR TILE (ORIGINAL)		FIRST FLOOR HALL 112	"	5			
76-13	BLACK FELT PAPER		FIRST FLOOR ROOM 119 ABOVE CONC. SPLINE CLG.	"	2			
76-14	CONCEALED SPLINE CLG. TILE		FIRST FLOOR ROOM 119 ABOVE SUSP. CLG.	"	3			
76-15	12 X 12 FLOOR TILE TAN SPECK. (TYPE-1)		SECOND FLOOR FOYER AT TOILET 227	"	6			
76-16	9 X 9 RED FLOOR TILE (ORIGINAL)		SECOND FLOOR ROOM 234	"	5			
76-17	WALL PLASTER		FIRST FLOOR STAIRWELL 126	"	7			
76-18	WALL PLASTER		SECOND FLOOR TOILET 227	"	7			
76-19	WALL PLASTER		THIRD FLOOR TOILET 302	"	7			
76-20	12 X 12 FLOOR TILE BRN. SPECK. (TYPE-2)		SECOND FLOOR ROOM 234	"	8			

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
<i>M. Stevens</i>	2/4/02	HAND	<i>B. Brookshire</i>	Davis & Floyd, Inc.	2/4/02	<i>OK</i>

SPECIAL INSTRUCTIONS:

NR - INDICATES SAMPLE NOT READ.

DAVIS Engineering
& FLOYD Architecture
 Environmental & Laboratory Services
 Greenwood • Charleston • Columbia

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: CHARLESTON NAVAL SHIPYARD
 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-21	VINYL FLOOR COVERING (SHEET)		FIRST FLOOR TOILET 116	01/30/02	9			
76-22	VINYL FLOOR COVERING (SHEET)		FIRST FLOOR TOILET 116	"	9			
76-23	9 X 9 BLACK FLOOR TILE (ORIGINAL)		SECOND FLOOR ROOM 226	"	4			
76-24	WALL PLASTER		FIRST FLOOR TOILET 114	"	7			
76-25	WALL PLASTER		FIRST FLOOR TOILET 113	"	7			
76-26	12 X 12 FLOOR TILE TAN SPECK. (TYPE-1)		FIRST FLOOR LOBBY 101A	"	6			
76-27	12 X 12 FLOOR TILE BRN. SPECK. (TYPE-2)		SECOND FLOOR CORRIDOR 246	"	8			
76-28	12 X 12 FLOOR TILE BRN. SPECK. (TYPE-2)		SECOND FLOOR CORRIDOR 216	"	8			
76-29	SUSPENDED ACOUST. CLG. TILE (TYPE-2)		SECOND FLOOR ROOM 242	"	10			
76-30	SUSPENDED ACOUST. CLG. TILE (TYPE-2)		SECOND FLOOR ROOM 239	"	10			

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
<i>[Signature]</i>	2/4/02	HAND	<i>[Signature]</i>	Davis & Floyd, Inc.	2/4/02	<i>[Signature]</i>

SPECIAL INSTRUCTIONS:

NR - INDICATES SAMPLE NOT READ.

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: CHARLESTON NAVAL SHIPYARD
 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-31	SUSPENDED ACOUST. CLG. TILE (TYPE-2)		SECOND FLOOR CORRIDOR 216	01/30/02	10			
76-32	SUSPENDED ACOUST. CLG. TILE (TYPE-3)		THIRD FLOOR ROOM 304	"	11			
76-33	SUSPENDED ACOUST. CLG. TILE (TYPE-3)		THIRD FLOOR ROOM 304	"	11			
76-34	SUSPENDED ACOUST. CLG. TILE (TYPE-3)		THIRD FLOOR ROOM 304	"	11			
76-35	GYPSUM WALLBOARD		FIRST FLOOR CORRIDOR 146	"	12			
76-36	JOINT COMPOUND		FIRST FLOOR CORRIDOR 146	"	13			
76-37	GYPSUM WALLBOARD		SECOND FLOOR ROOM 231	"	12			
76-38	JOINT COMPOUND		SECOND FLOOR ROOM 231	"	13			
76-39	GYPSUM WALLBOARD		SECOND FLOOR CORRIDOR 216	"	12			
76-40	JOINT COMPOUND		SECOND FLOOR CORRIDOR 216	"	13			

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
<i>M. Stevens</i>	2/4/02	HAND	<i>B. Brookshire</i>	Davis & Floyd, Inc.	2/4/02	<i>ok</i>

SPECIAL INSTRUCTIONS:

NR - INDICATES SAMPLE NOT READ.

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: CHARLESTON NAVAL SHIPYARD
 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-41	GYPSUM WALLBOARD		FIRST FLOOR ROOM 107	01/30/02	12			
76-42	JOINT COMPOUND		FIRST FLOOR ROOM 107	"	13			
76-43	ACOUSTICAL WALL TILES		FIRST FLOOR ROOM 140	"	14			
76-44	WALL TILE CONSTRUCTION ADHESIVE		FIRST FLOOR ROOM 140	"	15			
76-45	GYPSUM WALLBOARD		SECOND FLOOR CORRIDOR 216	"	12			
76-46	JOINT COMPOUND		SECOND FLOOR CORRIDOR 216	"	13			
76-47	ACOUSTICAL WALL TILES		FIRST FLOOR ROOM 144	"	14			
76-48	WALL TILE CONSTRUCTION ADHESIVE		FIRST FLOOR ROOM 144	"	15			
76-49	ACOUSTICAL WALL TILES		SECOND FLOOR ROOM 229	"	14			
76-50	WALL TILE CONSTRUCTION ADHESIVE		SECOND FLOOR ROOM 229	"	15			

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
<i>[Signature]</i>	2/4/02	HAND	<i>B. Callan</i>	Davis & Floyd, Inc.	2/4/02	<i>OK</i>

SPECIAL INSTRUCTIONS:

NR - INDICATES SAMPLE NOT READ.

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: CHARLESTON NAVAL SHIPYARD
 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-51	PARAPET WALL ROOF FLASHING		PARAPET WALL AT ROOF ABOVE THIRD FLOOR	01/30/02	16			
76-52	PARAPET WALL ROOF FLASHING		PARAPET WALL AT ROOF BESIDE ACCESS STAIRS	"	16			
76-53	PARAPET WALL ROOF FLASHING		PARAPET WALL AT ROOF BESIDE PENTHOUSE	"	16			
76-54	VAPOR BARRIER		MAIN ROOF ABOVE SECOND FLOOR	"	17			
76-55	VAPOR BARRIER		MAIN ROOF ABOVE THIRD FLOOR	"	17			
76-56	VAPOR BARRIER		MAIN ROOF ABOVE ANNEX	"	18			
76-57	WALKING SURFACE PAD		MAIN ROOF ABOVE SECOND FLOOR	"	19			
76-58	PARAPET WALL ROOF FLASHING		PARAPET WALL AT ROOF ABOVE ANNEX	"	20			
76-59	BASE FLASHING		PENTHOUSE WALL FLASHING TO MAIN ROOF	"	21			
76-60	PITCH POCKET		COOLING TOWER EQUIPMENT SUPPORT	"	22			

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
	2/4/02	HAND		Davis & Floyd, Inc.	2/4/02	

SPECIAL INSTRUCTIONS:

NR - INDICATES SAMPLE NOT READ.

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: CHARLESTON NAVAL SHIPYARD
 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-61	STEAM SUPPLY PIPE INSULATION		CRAWL SPACE	01/30/02	23			
76-62	STEAM SUPPLY PIPE INSULATION		CRAWL SPACE	"	23			
76-63	GROUND DEBRIS		CRAWL SPACE	"	24			
76-64	HOT WATER PIPE INSULATION		CRAWL SPACE	"	25			
76-65	1/2" DIA. PIPE JOINT INSULATION		CRAWL SPACE	"	26			
76-66	PIPE LAGGING COMPOUND		CRAWL SPACE	"	27			
76-67	PIPE JOINT INSULATION		CRAWL SPACE	"	26			
76-68	WINDOW GLAZING COMPOUND		FIRST FLOOR WINDOW (INSIDE)	"	27			
76-69	WINDOW GLAZING COMPOUND		FIRST FLOOR WINDOW (INSIDE)	"	27			
76-70	WINDOW GLAZING COMPOUND		FIRST FLOOR WINDOW (INSIDE)	"	27			

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
<i>M. Stevens</i>	2/4/02	HAND	<i>B. Brookshire</i>	Davis & Floyd, Inc.	2/4/02	<i>OK</i>

SPECIAL INSTRUCTIONS:

NR - INDICATES SAMPLE NOT READ.

Building Name: **BUILDING 76** Job No. **030728.01**
 Building Address: CHARLESTON NAVAL SHIPYARD
 CHARLESTON, SOUTH CAROLINA
 Client: CNCRA Contact: SEAN McDONELL
 Collected By: M. STEVENS / B. BROOKSHIRE Date: 01/30/02

BULK ASBESTOS SAMPLE LOG / CHAIN OF CUSTODY

Sample I.D. No.	Description of Sampled Material	Photo No.	Sample Location	Date/Time	Mat'l I.D.	Sq. Ft.	Ln. Ft.	Lab Result
76-71	TEXTURED FINISH ON GYP. WALLBOARD		SECOND FLOOR ROOM 238	01/30/02	28			
76-72	TEXTURED FINISH ON GYP. WALLBOARD		SECOND FLOOR ROOM 238	"	28			
76-73	PIPE INSULATION		FIRST FLOOR ABOVE CLG. ROOM 101B	"	29			
76-74	PIPE JOINT INSULATION		FIRST FLOOR ABOVE CLG. ROOM 101B	"	30			

Released By (signature)	Date Released	Delivery Method	Received By (signature)	Co. / Agency Affiliation	Date Received	Condition Noted
<i>[Signature]</i>	2/4/02	HAND	<i>B. Culbert</i>	Davis & Floyd, Inc.	2/4/02	<i>ok</i>

SPECIAL INSTRUCTIONS:

NR - INDICATES SAMPLE NOT READ.

4.0 COPY OF APPLICABLE ASBESTOS LICENSES

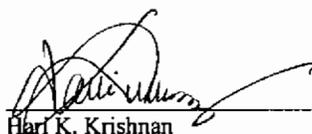
The following licenses are attached:

 Date: 3.19.02

Robert A. Brookshire
Davis & Floyd, Inc.
Environmental Services Division
SCDHEC License #: 1552

 Date: 3.19.02

Mark H. Stevens
Davis & Floyd, Inc.
Environmental Services Division
SCDHEC License #: 22192

 Date: 3.19.02

Harf K. Krishnan
Davis & Floyd, Inc.
Environmental Services Division
SCDHEC License #: 22236



ASBESTOS ABATEMENT LICENSE

No. 22192

This certifies that

Mark H. Stevens

419-BC-2927

doing business as *Davis & Floyd Inc*

has satisfactorily completed the training required by South Carolina Regulation No. 61-86.1 and the EPA Model Accreditation Plan, 40 CFR 763 Subpart E Appendix C, for the category of

Consultant/Building Inspector

The holder of this license shall comply with all the requirements of said Regulation.

This License, License Number, or any Representation thereof, is not transferable to any other licensee or company. Use of this License is only authorized for the licensee and Company whose name appears hereon and shall expire one year from 04/04/01.

04/25/01

04/25/01 12:37

ORIGINAL



Richard D. Sharpe

Richard D. Sharpe, Director
Air Compliance Management Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control

CR-001128



ASBESTOS ABATEMENT LICENSE

No. 22236

This certifies that

Hari Krishnan

250-MEP-4535

doing business as *Davis & Floyd Inc*

has satisfactorily completed the training required by South Carolina Regulation No. 61-86.1 and the EPA Model Accreditation Plan, 40 CFR 763 Subpart E Appendix C, for the category of

Consultant/Management Planner

The holder of this license shall comply with all the requirements of said Regulation.

This License, License Number, or any Representation thereof, is not transferable to any other licensee or company. Use of this License is only authorized for the licensee and Company whose name appears hereon and shall expire one year from 04/04/01.

The holder of this license is qualified in accordance with requirements of the Asbestos Hazard Emergency Response Act of 1986 (AHERA) to perform as an abatement Building Inspector.

04/25/01

04/25/01 12:10

ORIGINAL



Richard D. Sharpe

Richard D. Sharpe, Director
Air Compliance Management Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control

CR-001128





ASBESTOS ABATEMENT LICENSE

No. 1552

This certifies that

Robert A Brookshire

251-BQ-0375

doing business as *Davis & Floyd Inc*

has satisfactorily completed the training required by South Carolina Regulation No. 61-86.1 and the EPA Model Accreditation Plan, 40 CFR 763 Subpart E Appendix C, for the category of

Consultant/Building Inspector

The holder of this license shall comply with all the requirements of said Regulation.

This License, License Number, or any Representation thereof, is not transferable to any other licensee or company. Use of this License is only authorized for the licensee and Company whose name appears hereon and shall expire one year from *06/19/01.*

08/15/01

Richard D. Sharpe

Richard D. Sharpe, Director
Air Compliance Management Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control

08/15/01 15:36



ORIGINAL

CR-001126



ASBESTOS ABATEMENT LICENSE

No. 20762

This certifies that

Robert A Brookshire

251-BQ-0375

doing business as *Davis & Floyd Inc*

has satisfactorily completed the training required by South Carolina Regulation No. 61-86.1 and the EPA Model Accreditation Plan, 40 CFR 763 Subpart E Appendix C, for the category of

Consultant/Project Designer

The holder of this license shall comply with all the requirements of said Regulation.

This License, License Number, or any Representation thereof, is not transferable to any other licensee or company. Use of this License is only authorized for the licensee and Company whose name appears hereon and shall expire one year from *06/20/01.*

08/15/01

Richard D. Sharpe

Richard D. Sharpe, Director
Air Compliance Management Division
Bureau of Air Quality
South Carolina Department of Health & Environmental Control

08/15/01 15:37



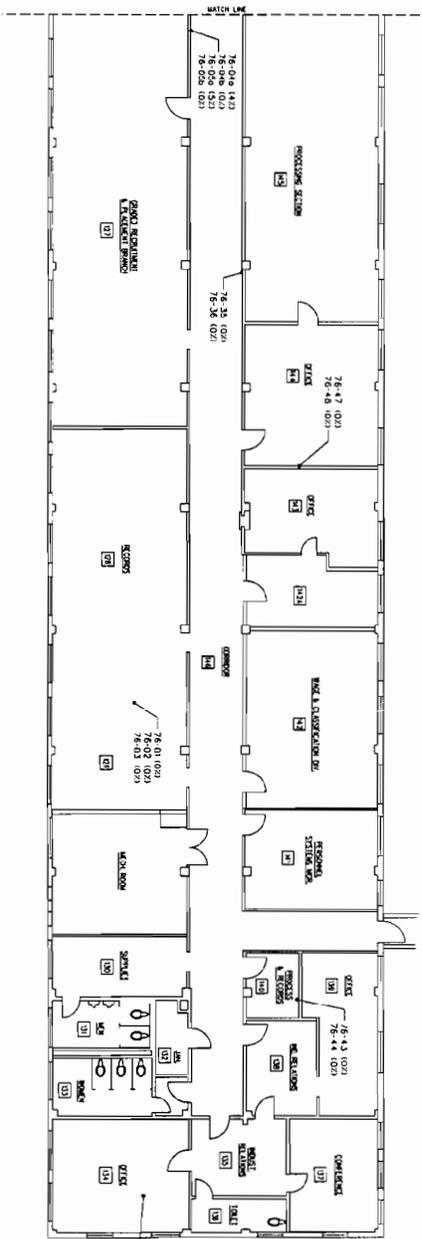
ORIGINAL

CR-001126

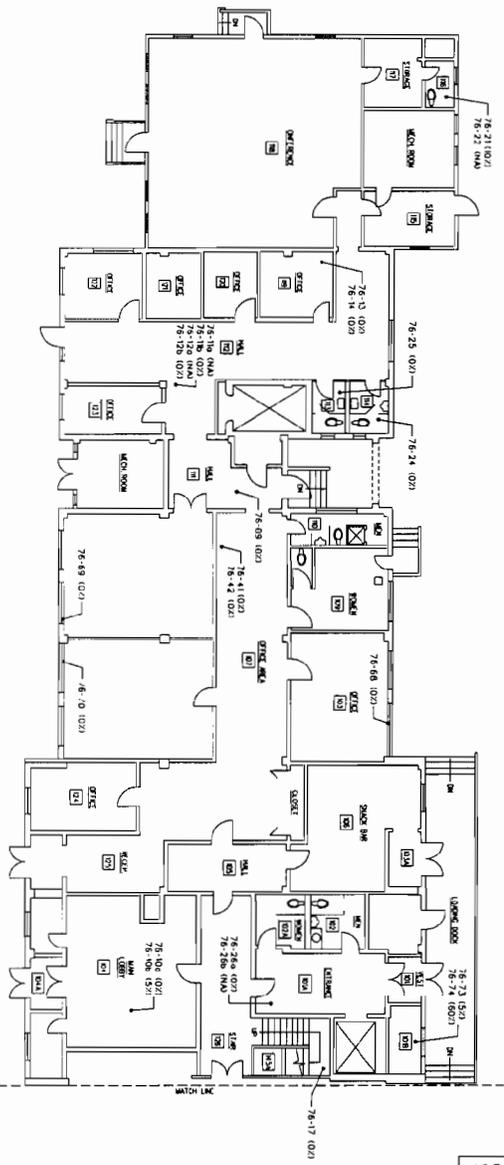


5.0 SAMPLE POINT LOCATION PLAN AND MATERIAL IDENTIFICATION

The following is a bulk asbestos sample location plan and material identification for this project.



PARTIAL FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



PARTIAL FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

SAMPLES TAKEN IN GARAGE SPACE:
 76-60 (02) GROUND LEVELS
 76-61 (02) GROUND LEVELS
 76-62 (02) STEAM SUPPLY PIPE INSULATION
 76-63 (02) STEAM SUPPLY PIPE INSULATION
 76-64 (02) STEAM SUPPLY PIPE INSULATION
 76-65 (02) STEAM SUPPLY PIPE INSULATION
 76-66 (02) STEAM SUPPLY PIPE INSULATION
 76-67 (02) STEAM SUPPLY PIPE INSULATION
 76-68 (02) STEAM SUPPLY PIPE INSULATION
 76-69 (02) STEAM SUPPLY PIPE INSULATION
 76-70 (02) STEAM SUPPLY PIPE INSULATION

LEGEND
 76-01 (02) NAME AND LOCATION OF BULK ASBESTOS SAMPLE WITH PREFIX OR ADDRESS IN PARENTHESES.
 NR - SAMPLE NOT READ

NOTE:
 SCHEMATIC DEFINING ASBESTOS CONTAINING MATERIAL (KIND AS MATERIAL CONTAINING ASBESTOS OF ANY TYPE EITHER ALONE OR MIXED WITH OTHER MATERIALS) IN AN UNKNOWN CIRCUMSTANCE (10/10/00).

SCALE IN FEET
 0 5 10 15 20

NO.	DATE	BY	CHKD.
1	11/18/00	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
7	...	...	...
8	...	...	...
9	...	...	...
10	...	...	...

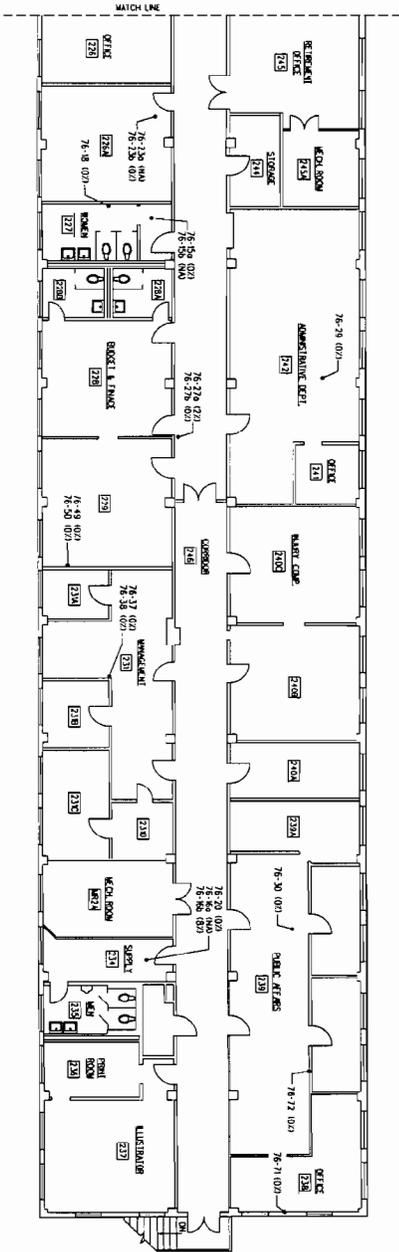
FIRST FLOOR BULK ASBESTOS SAMPLE LOCATION PLAN

CHARLESTON NAVAL COMPLEX REDEVELOPMENT AUTHORITY
 100 TRULAN AVE., NORTH CHARLESTON, SOUTH CAROLINA 29405
 DEMOLITION OF VARIOUS NAVAL COMPLEX STRUCTURES
 OWNER'S PROJECT NO. M10-N054-MU

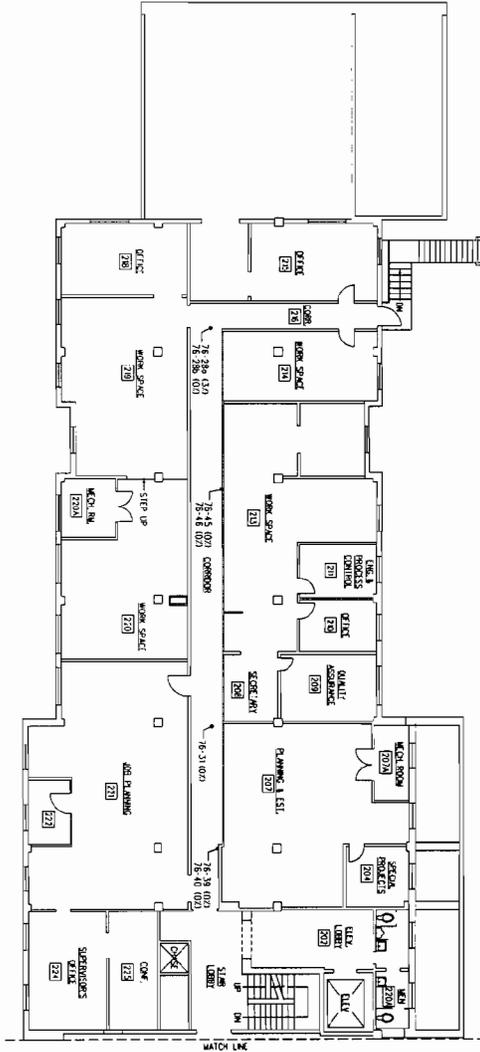
DAVIS Engineering Architecture
FLOYD Environmental & Laboratory Services
 GREENWOOD CHARLESTON COLUMBIA
 701 BRADLEY AVE. GREENWOOD, SC 29646
 803-689-8811



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PARTIAL SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



LEGEND

76-01-021 NUMBER AND LOCATION OF BULK ASBESTOS SAMPLE WITH PERCENTAGE OF ASBESTOS IN PARENTHESES.

NR - SAMPLE NOT READ

NOTE:
SCALE C. DEFINES ASBESTOS CONTAINING MATERIAL (KMA) AS MATERIAL CONTAINING ASBESTOS OF ANY TYPE, EITHER ALONE OR WITH OTHER MATERIALS, IN AN UNKNOWN QUANTITY (TABLE DEC. 01/01).

PARTIAL SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"

0 5 10 15 20
SCALE IN FEET

NO.	DATE	BY	CHK.	REV.
1				
2				
3				

SECOND FLOOR BULK ASBESTOS SAMPLE LOCATION PLAN

PROJECT: 000728-01
SHEET: POWER
DATE: FEB 2002

CHARLESTON NAVAL COMPLEX REDEVELOPMENT AUTHORITY
1400 TRISTON AVE., NORTH CHARLESTON, SOUTH CAROLINA 29405
DEMOLITION OF VARIOUS NAVAL COMPLEX STRUCTURES
OWNER'S PROJECT NO. M10-M054-MJ

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