AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
	1		2

2. AMENDMENT/MODIFICATION NUMBER	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQUISITION NUMBER	5. PROJECT NUMBER *(If applicable)*
0003	10 JUNE 2026	N26-03	N26-03

6. ISSUED BY CODE N944

CNIC Facilities and Construction Contracting
Nika Maldonado, Contracting Officer
5720 Integrity Drive, Lassen Building 457
Millington, TN 38055

7. ADMINISTERED BY *(If other than Item 6)* CODE

8. NAME AND ADDRESS OF CONTRACTOR *(Number, street, county, State and ZIP Code)*

CODE FACILITY CODE

(X)

☒ 9A. AMENDMENT OF SOLICITATION NUMBER
NAVMWR-26-R-0038

9B. DATED *(SEE ITEM 11)*
07 May 2026

☐ 10A. MODIFICATION OF CONTRACT/ORDER NUMBER

10B. DATED *(SEE ITEM 13)*

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☒ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.

CHECK ONE	
☐	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
☐	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation data, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
☐	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
☐	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☐ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (*Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

BOWLING CENTER AND F&B UPGRADES
NAF EL CENTRO, CA

CONTINUED ON PAGE 2

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
		Nika Maldonado, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		*(Signature of Contracting Officer)*	

Block 14 Continued:

A. Changes:

1. Section B is deleted in its entirety and replaced with Attachment A.

2. Section C is deleted in its entirety and replaced with Attachment B.

3. 1994 Asbestos Report is incorporated for reference as Attachment C.

B. Clarifications:

Q-1. Please confirm for the new string type pin setters will not be required to adjust the location of the pin setters and that we will receive a waiver for the 36" clearance requirement for electrical panels.

A-1. Not confirmed, contractor shall not assume a waiver will be received for the 36" clearance requirement for electrical panels at this time

Q-2. Is the contract only to provide gravel for the exterior patio space not entire lot?

A-2. Exterior patio space only.

Q-3. Please confirm the required minimum clearance behind the pin setters.

A-3. 36" clearance

Q-4. The Project Goals state that the existing sawtooth ceiling above the lanes is to be replaced. Please confirm that this ceiling is to be replaced with a flat tile ceiling or clarify the required ceiling type and system.

A-4. Acoustic drop-down ceiling. The ceiling is lower in that area and it may restrict the Neoverse system visibility. The ceiling can be moved up to match that entire area ceiling.

Q-5. The Project Goals specify a new "motif" for the ceiling above the bowling seating area. Please confirm the required ceiling type, such as acoustic tile, specialty ceiling system, decorative elements, and provide any applicable design criteria or examples.

A-5. Acoustic drop-down ceiling. Area above the seating is acoustic tile.

Q-6. Please confirm the quantity of shoe storage, number of pairs/lockers or linear feet, that the new check-in desk is required to accommodate.

A-6. We would like to store 50-60 pairs of shoes. The check-in desk could have shoe storage under as well creating more shoe space.

Q-7. Please confirm whether there is a preferred interior color scheme or base design palette that the contractor is required to follow. If yes, please provide the applicable standards or samples.

A-7. We don't have a preferred interior color however, we would like the contractor to talk to us before painting to select what colors they are recommending.

Q-8. Please confirm whether the Quality Control Manager, Superintendent, and Site Safety & Health Officer (SSHO) may be the same individual, provided they meet all contract qualification requirements.

A-8. No, the QCM must be separate, SSHO and Super may be the dual hatted.

Q-9. The proposed conceptual design for exterior painting does not appear to comply with the base design guide. Please confirm how the contractor is to proceed and whether the design guide or the conceptual design takes precedence.

A-9. We can follow the base design guide and create exterior signs with colors so that it's a sign and not part of the building.

Q-10. Please confirm whether hazardous material abatement will be required for this project. If yes or potentially, please provide the most recent hazardous materials survey/report for the building.

A-10. The most recent report we have is attached.

Q-11. Please confirm the required size of the Neoverse type style screen, including height, width, and any resolution or aspect ratio requirements.

A-11. This needs to be provided by the supplier.

Q-12. The contractor requests the most current as-built drawings for the building, including architectural, structural, mechanical, electrical, and plumbing drawings, if available.

A-12. We currently do have as-builts for this building.

Q-13. The contractor requests the 3D model files for the building that were used to create the PDF 3D views included with the solicitation, such as Revit, Navisworks, or other native format.

A-13. We will contact the A&E to try and receive them. However, we request your design option to meet our budget as well.

Q-14. The contractor requests the CAD files used to develop the concept design, including floor plans, reflected ceiling plans, interior elevations, etc., to support detailed design and coordination.

A-14. We will contact the A&E to try and receive them. However, we request your design option to meet our budget as well.

Q-15. Please confirm that the facility will be fully shut down for the duration of the project and that no public or staff access will be required during construction.

A-15. Confirmed.

Q-16. Please confirm whether the contractor is required to provide bowling balls and shoes as part of this project. If yes, please provide the required quantities, sizes, and any quality/brand requirements.

A-16.

Bowling Ball Sizes-

Size-10- SM, MED, LG (3)
Size 11- SM, MED, LG (3)
Size 12- SM, MED, LG, XL (4)
Size 13- SM, MED, LG, XL (4)
Size 14- SM, MED, LG, XL (4)
Size 15- SM, MED, LG, XL, XXL (5)
Size 16- SM, MED, LG, XL, XXL (5)

Total of 28 bowling balls and 52 pairs of shoes (Brunswick)-

Shoes Sizes
Size 4-2 pairs
Size 5-3 pairs
Size 6-4 pairs
Size 7-6 pairs
Size 8-8 pairs
Size 9-8 pairs
Size 10-6 pairs
Size 11-5 pairs
Size 12-4 pairs
Size 13-3 pairs
Size 14-2 pairs
Size 15-1 pair

Q-17. Other than the bowling seating identified in the documents, please confirm whether there is any additional furniture or equipment that the contractor is required to provide, such as tables, chairs, bar equipment, shelving, or storage units.

A-17. No additional furniture is required.

Q-18. Please confirm the required distance that the lanes are to be moved toward the bowling seating area, including the dimension from existing to new location and any controlling constraints.

A-18. We believe it is 16 inches. Please verify during site visit for exact dimensions for the required 36” clearance needed.

Q-19. The drawings indicate a partial demolition of the wall across from the proposed bar location. Please confirm that this wall is not load-bearing or provide structural information/requirements for any required demolition.

A-19. It's only the mirror area which is about 8-12'. It's not a load bearing wall.

Q-20. Please confirm the contractor is not responsible for any modification to the subfloor and any modification or repair to the subfloor would be treated as a unforeseen site condition and would require modification.

A-20. Confirmed.

Q-21. Please confirm we are not tying into the existing storm drain system.

A-21. Confirmed.

Q-22. Please confirm we are to provide a camera inspection on the sewer line and if the sewer line is determined inadequate, this will be an unforeseen site condition, and a modification will need to be issued.

A-22. Confirmed.

Q-23. Please confirm we will not be providing any exterior signage other than the sign place on the corner of the lot.

A-23. See Attachment B.

Q-24. Please confirm Required Dialer or radio (Make and Model) for the existing fire alarm system, the number of zones required, and if there is a existing audio take over system that will be required.

A-24. The existing system is a Securton MR2200, it is discontinued, and we request an approved equal option for the system. Requirements for the zone shall be verified by the Designer of Record and coordinated by the Installation Fire Engineer.

Attachment A

B-1. PRICE SCHEDULE

CLIN		DESCRIPTION		LUMP SUM AMOUNT	CALENDAR DAYS
01		**DESIGN & CONSTRUCTION BASE PROPOSAL**			
0001	**AA**	50% Design	**$**	_____	_____
	AB	95% Design	**$**	_____	_____
	AC	100% Design	**$**	_____	_____
0002		**CONSTRUCTION**	**$**	_____	_____
		TOTAL BASE PROPOSAL	**$**	_____	_____
		OPTION ITEMS			
0003		**Option 1 – Kitchen Area**	**$**	_____	_____
	AA	Design	**$**	_____	_____
	AB	Construction	**$**	_____	_____
		OPTION 1 TOTAL	**$**	_____	_____
0004		**Option 2 - Overall**			
	AA	Design	**$**	_____	_____
	AB	Construction	**$**	_____	_____
		OPTION 2 TOTAL	**$**	_____	_____
0005		**Option 3 – Exterior / Mech.**			
	AA	Design	**$**	_____	_____
	AB	Construction	**$**	_____	_____
		OPTION 3 TOTAL	**$**	_____	_____

Attachment B

C-1. PROJECT INFORMATION

A. Project Location: The project is located at the Bowling Center (Bldg. 485) on Naval Air Station El Centro, physical address being 2024 Bennett Rd, EL Centro, CA.

1. Project Description: The project includes all design and construction necessary to renovate and modernize the eight (8) lane Bowling Center (Bldg. 485) to include replacement of the existing pinsetter unit with new pinsetter unit to include string bowling, electronic gaming area and food operation described herein; including all demolition, installation, renovation, temporary construction and restoration necessary to produce a complete and useable facility.

2. Project Budget: The total funds available for design and construction of the facility are $2,300,000. The Offeror shall refer to Section L for additional information regarding pricing.

C-2. SCOPE OF WORK

A. All Work shall be in accordance with the most stringent requirements of the applicable codes, laws and requirements governing Naval Air Station El Centro, City of El Centro, and all other Authorities Having Jurisdiction (AHJ).

B. The Work includes, but not limited to:

1. Site Investigation: The Contractor shall provide all surveys (topographical, geotechnical, vegetative, etc.) and perform all necessary site investigation utility locates (including, but not limited to, sub-surface utility "pot holing") as required to complete the design and/or construction of the project. All site investigation activities shall be coordinated with appropriate Installation personnel.

2. Site Development and Design: The Contractor shall provide complete architectural, civil, structural, mechanical, electrical, landscape and fire protection designs, required to construct the facility in accordance with all codes, laws and requirements. The Contractor shall refer to Section H for additional information regarding design submittal requirements.

3. This project shall consist of a Base Proposal and three (3) Option Items as follows:

   a. BASE PROPOSAL:
      i. The Base Proposal includes a minimum of full replacement and installation of the core bowling alley systems and all work required to ensure code compliance.
      ii. Demolish and remove all 8 lanes of existing bowling equipment, including pinsetter/pinspotter (or equal) ball returns, gutters, and scoring systems.
      iii. Install 8 new synthetic lanes, gutters, and a Hyper-Bowling bumper system, or equal.
      iv. Install new string-type pinsetter/pinspotter, or equal, equipment. The equipment shall be USBC compliant equipment.
      v. Install a new prefab headwall system attached to the new string equipment.

vi. Install new ball returns, bowling consoles, and monitors for all 8 lanes.
vii. Install a Neoverse, or equal, interactive large digital screen system along the new headwall.
viii. Install a new audio-visual entertainment system with digital screens, lights, and speakers, fully integrated with the bowling equipment.
ix. Construct a new, modernized front service counter and install two (2) self-service customer kiosks for rentals.
x. Move bowling lanes forward as required to provide code-compliant clearance for the electrical panel IAW UFC 1-200-01, Section 302.2.5.
xi. Replace the aged, recessed electrical panel on the west wall of the bowling alley.
xii. Revise and extend branch circuits as needed to support all new equipment specified in the Base Bid.
xiii. Install safety placards at each of the two service entrance mains to indicate the location of the other service, as required by UFC and NEC.
xiv. Replace outdated track lights and non-programmable lane lighting with a new, high-efficiency LED lighting system.
xv. The new system shall be programmable and fully integrated with the entertainment systems. All lighting shall meet UFC 5-530-01 standards.
xvi. Provide and install new bowling area seating furniture.
xvii. Provide and install new ball storage furniture.
xviii. Install a new mini-split air conditioner in the pin setter area. The unit must be appropriately sized to meet the sensible load of the space.

b. OPTION 1 – KITCHEN AREA
i. Demolish the existing service counter.
ii. Construct a new, redesigned service counter that expands into the existing seating area. This new counter must accommodate two (2) Point of Sale (POS) stations, a designated food pickup location, a soda/beverage dispenser, and new ordering monitors.
iii. Reconfigure the kitchen layout to improve circulation, create a larger pizza/food preparation area, and add dedicated storage for pizza boxes.
iv. Provide new electrical and plumbing connections to accommodate the new kitchen layout and equipment. The contractor must verify final mechanical, electrical, and plumbing (MEP) requirements based on the final equipment schedule.
v. Install owner-provided or contractor-procured new kitchen equipment, including a new pizza oven, dishwasher, and reach-in coolers.
vi. Relocate or remove existing personal storage lockers as directed.
vii. Install new quarry tile flooring throughout the entire kitchen area.
viii. Install new, easily cleanable Fiberglass Reinforced Panel (FRP) on all kitchen wall surfaces.
ix. Replace the existing ceiling grid and tiles to match the new kitchen layout.
x. Install new, updated lighting throughout the kitchen.
xi. Remove the existing central booth-style seating to clear space for the new bar.

xii. Construct a new full-service bar with seating for 5-6 patrons. The bar must include a POS station, one bar workstation, and an ice maker.
xiii. Construct a rear bar wall assembly to house an under-counter bottle cooler, a beer tap system with a corresponding kegerator, and a lockable liquor display cabinet.
xiv. Replace the existing double door leading to the rear gaming area with a single man door.
xv. Construct a new banquet-style seating area with two-top tables to replace seating capacity lost to the new bar.
xvi. Install a new window above the banquet seating to provide views from the bar into the bowling lane area.
xvii. Provide new flooring, ceilings, and paint for the entire bar and new seating area.
xviii. Install new lighting designed to complement the bar and seating area's atmosphere.
xix. Perform a camera inspection of all waste lines to verify size, slope, integrity, and identify any blockages. Clear or replace sections of pipe as deemed necessary based on inspection findings.
xx. Replace the existing electric tank-type hot water heater with a new, appropriately sized unit to meet the increased demand from the new kitchen and bar. The new unit shall be sized by the engineer of record.
xxi. Upsize the existing ½" domestic water line originating from the 2" backflow preventer in the cooler/freezer area to meet the new fixture demands of the kitchen and bar.
xxii. Replace the existing urinal in the men's restroom with a new white vitreous china unit with a manual flush valve.
xxiii. Modify existing sanitary waste, vent, and domestic water lines as required to accommodate the new fixture layout in the kitchen and bar areas.
xxiv. Install a new dishwasher in the utility area behind the bar.
xxv. Provide a separate, dedicated ventilation system for the new dishwasher, either via an internal exhaust ducted to the exterior or a standalone exhaust system.
xxvi. Replace the entire kitchen exhaust system. This includes the 23-year-old exhaust hood and fan.
xxvii. The new system shall comply with UFC 3-600-1, be specified for the cooking application, and be equipped with variable speed demand control.

c. OPTION 2 – OVERALL
i. Remove existing wall paneling within the lane area and replace it with a new high-impact gypsum board wall finish.
ii. Install impact-resistant plates at the base of columns to prevent damage from bowling balls.
iii. Demolish and replace the existing ceiling with a new ceiling tile system designed to enhance the bowling experience.
iv. Create a distinct ceiling motif above the bowling lane seating areas to create a visual separation between the lanes and the upper dining area.

v. Replace all existing lighting in the area with a new, updated system that ties into the immersive experience and provides a more aesthetic look.
vi. Demolish the existing customer service desk.
vii. Redesign and construct a new customer service desk that incorporates increased shoe rental storage and provides space for a new private office.
viii. Install new Luxury Vinyl Tile (LVT) flooring on the raised platform.
ix. Repaint all new and existing walls within the bowling lane area.
x. Install new flooring to match or complement the finishes in the café and bowling areas.
xi. Repaint the walls to align with the new facility-wide color scheme.
xii. Create a new outdoor seating area accessible from the existing exit on the west wall.
xiii. Install a new, code-compliant exterior door in the maintenance and storage area to provide proper and safe egress, correcting the currently blocked and non-compliant exit paths.
xiv. In all remaining areas not explicitly mentioned in the scopes above, replace the existing flooring with new material to create a unified look throughout the facility.
xv. In all remaining areas not explicitly mentioned in the scopes above, repaint existing walls and apply new wall finishes as required.
xvi. Replace and/or repaint all existing interior doors and frames within the facility to match the new, updated aesthetic.
xvii. Install a new control system that interlocks the makeup air and exhaust fans to ensure proper system balance. Provide air monitoring and controls for the kitchen.

d. OPTION 3 – EXTERIOR/MECH.
i. Install one (1) new, illuminated ground-mount sign.
ii. Install new, illuminated building-mounted signage. All signage shall tie into the building's updated aesthetic.
iii. Demolish and reroute the sidewalk leading to the cooler/freezer area to prevent street drainage from backing into the building.
iv. Install a new sidewalk ramp near the game room entrance, sloped to divert water away from the building.
v. Install trench drainage systems at the game room and cooler/freezer doors.
vi. Install a new gutter and downspout system on the low side of the cooler/freezer roof, tied into an underground drainage system.
vii. At the exit/egress doors on the north side, construct a new, level concrete stoop.
viii. Install a new, flared ramp from the new stoop that ties into the parking lot elevation and meets ABA standards.
ix. Demolish and remove the existing front entrance half-circle canopy and its support structure.
x. Install a new, smaller canopy to provide coverage at the main entrance.
xi. Develop the exterior area outside the gaming room into a functional outdoor patron space.

xii. Work shall include the installation of hardscape, landscape, fire pits, outdoor games, seating, tables, and shade areas to create an attractive and buffered activity zone.
xiii. Replace the existing 5-ton packaged air conditioner serving the kitchen and dining area. The new unit shall be of a similar capacity and configuration.
xiv. Remove the abandoned, capped supply duct to the pin setter area.
xv. Remove the capped duct that runs through the maintenance/storage room.v
xvi. Remove the abandoned, unused exhaust fan from the roof.
xvii. Remove the disconnected and unused condensing unit from the roof.

4. See Section J-9. Attachment Project Site Assessment shall be for reference to facilitate basis of design criteria.

5. The Contractor shall remove and dispose of all waste materials generated as part of this project at a licensed facility as authorized by the Public Works Department (PWD) and coordinate through the Contracting Officer's Representative (COR). The Contractor shall protect existing adjacent materials from all damage during the work, by utilizing construction screens and other industry best practices protection methods.

6. Restoration: The Contractor shall repair and/or replace all items impacted and/or damaged by work, to the satisfaction of the Point of Contact (POC). The Contractor shall patch, paint and/or otherwise restore all building materials, including but not limited to, the surrounding areas of the bowling center damaged by work; to the satisfaction of the POC.

7. Inspection: Contractor shall schedule an independent United States Bowling Congress (USBC) certifier to inspect the lanes. Upon completion of the installation the contractor shall provide USBC inspection, USBC league certification, and pay USBC certifier invoice.

8. Warranties: The Contractor shall provide a warranty on all materials/equipment and labor for a period of one (1) year, or longer if standard for materials/equipment, from the date of acceptance by the Contracting Officer. The Contractor shall refer to Section H and I for additional information regarding warranties and extended warranties.

C-3. SITE INFORMAITON

A. Validity of Information Provided:

1. Basic information, maps and any other data obtained from the Public Works Department (PWD), other Government sources, and/or the Non-Appropriated Fund Instrumentality (NAFI) are provided for the Offeror's convenience and for information only, and must be verified by site investigation. The NAFI is not responsible for erroneous data if the errors can be reasonably detected through site investigation.

2. While the sizes and materials that may be shown on information provided are generally accurate, the exact location of systems cannot be guaranteed and shall be verified by the Offeror through site investigation or through the Contracting Officer prior to submitting an offer.

B. Information Verification:

1. Offerors shall examine the site and determine for themselves the existing conditions and general character of the site and/or facility. Claims for additional costs due to conditions that could have been verified by site investigation are not permitted. The Offeror shall refer to Section L for additional information regarding site visits.

C. Special Conditions:

1. The adjacent streets shall always remain open during construction. Short-term closings of one-half of a street for material handling will be permitted. The Contractor shall coordinate closings through the COR 14 calendar days prior to the required date. Any utility outages affecting adjacent buildings shall be scheduled beyond normal working hours with COR advance approval.

2. The Contractor shall coordinate all utility outages with the PWD through the COR 14 calendar days prior to the required date. Any utility outages affecting adjacent buildings shall be scheduled beyond normal working hours with COR advance approval.

3. Acceptable work hours for construction are Monday – Friday, 700. – 1630 local time, excluding Federal holidays. If the Contractor desires to work outside of regular working hours, or on a Saturday, Sunday or Holiday, the Contractor shall submit a written application to the Contracting Officer at least 15 calendar days in advance. The Contracting Officer will return their approval or disapproval to the Contractor within 7 days of calendar.

4. Base Access: DBIDS Rapid Gate base access. The Contractor is responsible for personnel under their employment, including all subcontracted personnel, and shall ensure all employees are familiar with and obey installation traffic, safety, and security regulations. The Offeror/Contractor shall refer to Section H for additional information regarding Base Access.

5. Motor Vehicle Operation: Ingress and egress of personnel shall be subject to the security and safety regulations of the Installation.

6. Severe Weather Readiness: The area may be subject to severe weather at various times during the year. The Contractor shall comply with the following requirements for severe weather readiness unless specifically directed otherwise by the COR and/or the PWD.

a. Condition FOUR - Sustained winds of 50 knots or greater expected with 72 hours): Continue normal daily job site cleanup and good housekeeping practices. Collect and store in piles or containers all scrap lumber, waste material, and rubbish for removal and disposal at the close of each workday. Maintain the construction site at the close of each workday. Maintain the construction site including storage areas, free of accumulation of debris. Stack from lumber in neat piles less than 4 feet high. Remove all debris, trash, or objects that could become missile hazards. Contact the COR for weather and readiness update and completion of required action.

b. Condition THREE - (Sustained winds of 50 knots or greater expected within 48 hours): Maintain "Condition Four" requirements and commence securing operations as necessary for "Condition TWO" which cannot be completed within 18 hours. Cease all routine activities that might interfere with securing operations. Commence securing and stow all gear and portable equipment. Prepare for securing buildings. Review requirements pertaining to "Condition TWO" and continue action as necessary to attain "Condition THREE" readiness. Contact the COR for weather and readiness updates and completion of required action.

c. Condition TWO - (Sustained winds of 50 knots or greater expected within 24 hours): Maintain "Condition THREE" requirements and commence securing operations. Curtail or cease routine activities until securing operation is complete. Reinforce or remove formwork and scaffolding. Secure machinery, tools, equipment, materials, or remove from the job site. Expend every effort to clear all missile hazards and loose equipment from project site. Secure the job site and leave Government premises.

7. Permits: The Contractor shall obtain and pay for all permits required by any and all AHJs. The Architect/Engineer of Record shall certify completion of construction for all permits prior to final acceptance.

a. The Contractor shall prepare and submit the applications for all permits and required close-out documentation to the COR who will submit them to the applicable Base agencies.

b. Close-out documentation shall be submitted as soon as the permitted systems have been constructed and are fully functional.

8. Base Permits: The Contractor shall obtain all base permits required, including, but not limited to, utility outages, excavations and "heat producing" or "spark generating" work prior to beginning these activities. The Contractor shall coordinate these permits through the COR, PWD and the Base Fire Department. There will be no charge for these permits, however: they can take up to 30 calendar days to obtain and the Contractor shall plan accordingly to avoid delay.

a. The Contractor shall coordinate with the COR for FAA Obstruction Permit(s) submission and receipt, as required for work within 20,000 feet of airfield operations zones.

b. The Contractor shall obtain Crane / Lift Permits and submit all required Lift Plans as required by authorities having jurisdiction.

9. Storm Water Permits: The Contractor shall comply with the requirements of the NPDES for all construction activities. If required for this project, the Contractor shall prepare the application for an NPDES (National Pollution Discharge Elimination System) permit for the project including a Storm Water Pollution Prevention Plan (SWPPP) in compliance with the local Water Management District.

C-4. DESIGN REQUIREMENTS

A. The requirements included in this Section establish the basic parameters for design of the various project elements. The Contractor shall design all necessary architectural, civil, structural, mechanical, electrical, landscape and fire protection systems in accordance with the requirements and parameters established in this Request for Proposal (RFP).

B. The Contractor shall engage a registered Architect/Engineer to oversee the design and construction work.

C. Codes, Standards, and Regulations:

1. References to standard specifications of any technical society, organization, or association, or to codes, manuals, or regulations of Federal, State, or local, authorities shall mean the latest standard, code, manual, regulation, specification, or tentative specification adopted and published at least 30 calendar days prior to submittal of proposals, unless specifically stated otherwise.

2. Following, are applicable, but not necessarily all-inclusive, codes, standards, and regulations related to the development of this project. Under circumstances where applicable codes or standards conflict, the most stringent shall apply. The latest code, standard and regulation with the latest change date as adopted by the AHJ shall prevail.

Description / Usage:	Codes / Standards:
General Site Development:	UFC 1-300: Series (Civil/Geotechnical/Landscape) UFC 4-750-02N (Outdoor Sports and Recreation Facilities) UFC 1-200-01 (General Building Requirements) UFC 3-250-01 (Pavement Design for Roads and Parking Areas) UFC 3-250-04 (Standard Practice for Concrete Pavements)
Storm Water:	In accordance with the Temporary Environmental Controls and State and Federal requirements applicable to the specific site and the AHJ.
Sanitary Sewer:	Required for each pad site, public areas, and existing buildings as required.

Natural Gas:	UFC 3-430-05, Natural Gas and Liquefied Petroleum Gas (LPG) Distribution Pipelines
Electrical:	UFC 3-530-01 (Design: Interior & Exterior Lighting and Controls) UFC 3-550-01 (Exterior Electrical Power Distribution) National Electrical Code, latest adopted edition National Electrical Code, latest adopted edition NAVFAC SW Primary Underground Distribution Systems Guidance
Fire Protection:	UFC 3-600-01 (Fire Protection Engineering for Facilities) National Fire Protection Association Fire Codes adopted latest edition of NFPA 13, 20, 24, 54, 70, 72, 90A, 96 and 101. A licensed fire protection engineer is required. Qualifications are contained in UFC 3-600-01 to serve as the Fire Protection Engineer of Record and Fire Protection Quality Control. The design must be reviewed and approved by the NAVFAC Southwest Fire Protection Engineer prior to construction. Final occupancy only after NAVFAC Fire Protection Engineering (FPE) and Base Fire Department inspection and approval.
Accessible Design:	Architectural Barriers Act (ABA)
Safety	OSHA (Occupational Safety and Health Act) Standards US Army Corps of Engineers' SAFETY AND HEALTH REQUIREMENTS MANUAL, EM 385-1-1

D. Site and Service Utilities:

1. The Contractor shall determine that all of the existing service utilities are of sufficient capacity to accommodate all the design loads for this total facility. Should the Contractor determine that one or more of the existing service utilities are not adequate to accommodate the design loads for this total facility, then the Contractor shall immediately notify the Contracting Officer who will provide direction on how to proceed.

2. Design loads for this facility shall be calculated in accordance with the criteria specified in these RFPs with the most stringent criteria governing.

C-5. CONSTRUCTION REQUIREMENTS

A. The Contractor shall retain a local utility locate firm to locate and surface mark all underground utilities within the project area, including any adjacent areas as required, prior to applying for a permit.

C-6. GENERAL INFORMATION

A. Intent: It is the intent of this RFP to award a design/build contract which will result in completed facilities of commercial quality and that will operate efficiently and without

unreasonable architectural, structural, mechanical and electrical failure or deficiency throughout the expected life of the facilities. The design life required for the facility shall be at least 20 years. The selected Offeror's design and construction must meet this intent. Any planned deviation from this intent that is not brought to the attention of the Contracting Officer at time of offer by separate letter will render the deviation as not a part of the contract and the Contractor shall design and construct to the intent specified above.

B. Correlation and Intent:

1. Omissions in the RFP of such words and phrases as "the Offeror shall," "shall be," "shall consist of," "as indicated on the drawings," "in accordance with," "shall," "and," "the," etc., are intentional. Such words and phrases shall be supplied by implication.

2. Whenever the words "necessary," "proper," or words of like effect are used in the RFP with respect to the extent, conduct, or character of work required, they shall mean that the said work shall be carried to the extent, must be conducted in a manner, or be of a character that is "necessary" or "proper" under the circumstances in the opinion of the Contracting Officer. The Contracting Officer's judgment in such matters is final.

C. Definitions: Throughout this RFP, certain terms, abbreviations and acronyms are used. The definitions for selecting items are as follows:

1. Base/Installation: NAF El Centro, El Centro, CA.

2. UFC: Unified Facilities Criteria

3. UFGS: Unified Facilities Guide Specifications

4. User/Using Agency: The MWR activity at the Installation that will be the ultimate user activity when the project is completed.

5. Technical Organizations and Regulatory Agencies: Throughout this RFP, certain acronyms and/ or abbreviations are used to refer to various technical and regulatory organizations. These acronyms and abbreviations are defined to mean the listed organization or agency and are provided for the Offeror's/Contractor's convenience. A list of these acronyms and abbreviations is available at the following website: http://www.wbdg.org/references/industryorgs.php.

D. All questions regarding the design, coordination, or interpretation of RFP requirements during the proposal phase shall be directed in writing to the Contracting Officer prior to submitting an offer.

E. Except where indicated, the Offeror/Contractor has the option of selecting all materials, systems, and equipment for use in the project. The technical requirements included in these Outline Specifications establish the minimum acceptable standards for the various products that

may be used in the project. The Offeror/Contractor shall refer to Section H for additional information regarding products and substitutions.

END OF SECTION C

Attachment C

ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 10 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37140 Lab Sample ID # 7447-10

Sample Description Ceiling tile

STEREOSCOPIC ANALYSIS

White N Yellow ____ Tan ____ Brown ____ Black ____ Green ____ Blue ____ Other Gray

Friable X Solid ____ Paper ____ Tile ____ Plaster ____ Paint ____ Other ____

FIBROUS MATERIAL 55 % NONFIBROUS ____ % HOMOGENEOUS: Y X

TEXTURE: No

ESTIMATED FIBROUS CONSTITUENTS 15% fg 40% cell

PLM ANALYSIS

Chrysotile ____ %	Amosite ____ %	Crocidolite ____ %
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - __I__ Blue	___ D.St. - II Gold - __I__ Blue	___ D.St. - II Yellow - __I__ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ____ η __I__ ____	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ____ η __I__ ____	η II ____ η __I__ ____
Cellulose 40 %	Mineral Wool ____ %	✓ Perlite 20
✓ Flat Twisted fibers	___ irregular shapes	___ Quartz
___ Anisotropic	___ isotropic	___ Wollastonite
		___ CaCO
Synthetics ____ %	✓ Glass Fibers 40 %	___ CaSO
___ even edges	✓ staight fibers	___ Mica
___ high birefringence	✓ isotropic	___ Other

Comments / Special Treatment

FINAL ANALYSIS 40% CELL ; 45% FG ; 20% PERL

Analyst [signature] Date 07/15/94 2nd Party (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

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LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMIK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37739 Lab Sample ID # 7447-11

Sample Description sheetrock

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown ___ Black ___ Green ___ Blue ___ Other U Pink

Friable ___ Solid X Paper X Tile ___ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 5 % NONFIBROUS 95 % HOMOGENEOUS: Y N

TEXTURE: pdr.

ESTIMATED FIBROUS CONSTITUENTS 5% cell

PLM ANALYSIS

Chrysotile ___ %	Amosite ___ %	Crocidolite ___ %
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ___	η II ___ η ___
___ Cellulose ___ %	Mineral Wool ___ %	___ Perlite
___ Flat Twisted fibers	___ irregular shapes	✓ Quartz 5
✓ Anisotropic	___ isotropic	___ Wollastonite
		✓ CaCO 10
Synthetics ___ %	Glass Fibers ___ %	✓ CaSO 80
___ even edges	___ staight fibers	___ Mica
___ high birefringence	___ isotropic	___ Other

Comments / Special Treatment

FINAL ANALYSIS 5% Cellu; 10% CaCO; 5% Qtz; 80% CaSO

Analyst [illegible] Date 07/15/94 2nd Party (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 12 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Change Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37737 Lab Sample ID # 7447-12

Sample Description tan paper

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown X Black ___ Green ___ Blue ___ Other ___

Friable ___ Solid X Paper X Tile ___ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 10 % NONFIBROUS 90 % HOMOGENEOUS: Y N

TEXTURE: Fibrous

ESTIMATED FIBROUS CONSTITUENTS 10% Cell

PLM ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - || Blue	___ D.St. - II Gold - || Blue	___ D.St. - II Yellow - || Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η || ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η || ___	η II ___ η || ___
Cellulose 50 %	Mineral Wool ___%	___ Perlite ___
✓ Flat Twisted fibers	___ irregular shapes	___ Quartz ___
___ Anisotropic	___ isotropic	___ Wollastonite ___
		___ CaCO ___
Synthetics ___%	Glass Fibers ___%	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment ___

FINAL ANALYSIS 50% Cell ; 50% K/K

Analyst [signature] Date 07/16/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

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LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 037723 Lab Sample ID # 7447-13

Sample Description baseboard mastic

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan 1% Brown ~~1%~~ Black ___ Green ___ Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile ___ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL ___% NONFIBROUS 100% HOMOGENEOUS: Y ~~N~~

TEXTURE: S

ESTIMATED FIBROUS CONSTITUENTS: ~~BB: 1%~~ M: NFM

PLM ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ___	η II ___ η ___
Cellulose ___%	Mineral Wool ___%	___ Perlite
___ Flat Twisted fibers	___ irregular shapes	___ Quartz
___ Anisotropic	___ isotropic	___ Wollastonite
		___ CaCO
Synthetics ___%	Glass Fibers 1%	___ CaSO
___ even edges	___ staight fibers	___ Mica
___ high birefringence	___ isotropic	___ Other

Comments / Special Treatment

FINAL ANALYSIS 10% FG; 10% WOL; 30% CO; 50% BDR

Analyst [signature] Date 7/15/94 2nd Party (if needed)

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LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37736 Lab Sample ID # 7447-14

Sample Description Baseboard mastic

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ~~BA~~ Brown AL Black ___ Green ___ Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile ___ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL ___% NONFIBROUS 100 % HOMOGENEOUS: Y ~~N~~

TEXTURE: 2

ESTIMATED FIBROUS CONSTITUENTS ~~[illegible]~~ NONE

PLM ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ___ ε yellow	___ ω blue ___ ε yellow	___ ω Tan ___ ε Blue
___ D.St. - II Mag. - _|_ Blue	___ D.St. - II Gold - _|_ Blue	___ D.St. - II Yellow - _|_ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η _|_ ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η _|_ ___	η II ___ η _|_ ___
Cellulose ___%	Mineral Wool ___%	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	✓ Quartz 5
___ Anisotropic	___ isotropic	✓ Wollastonite 10
		✓ CaCO 15
Synthetics ___%	Glass Fibers ___%	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment ___

FINAL ANALYSIS 10% Wol : 10% CO : 5 QTZ : 75 BOF

Analyst [signature] Date 07/11/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

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LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EE65-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37738 Lab Sample ID # 7447-15

Sample Description Ceiling tile

STEREOSCOPIC ANALYSIS

White X Yellow ____ Tan ____ Brown ____ Black ____ Green ____ Blue ____ Other gray

Friable ____ Solid ____ Paper ____ Tile ____ Plaster ____ Paint ____ Other ____

FIBROUS MATERIAL 90 % NONFIBROUS 10 % HOMOGENEOUS: Y N

TEXTURE: Lib

ESTIMATED FIBROUS CONSTITUENTS 80% cell 10% fg

PLM ANALYSIS

Chrysotile ____ %	Amosite ____ %	Crocidolite ____ %
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ____ η ⊥ ____	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ____ η ⊥ ____	η II ____ η ⊥ ____
Cellulose 70 %	Mineral Wool ____ %	✓ Perlite 10
___ Flat Twisted fibers	___ irregular shapes	___ Quartz
✓ Anisotropic	___ isotropic	___ Wollastonite
		___ CaCO
Synthetics ____ %	Glass Fibers 80 %	___ CaSO
___ even edges	___ staight fibers	___ Mica
___ high birefringence	___ isotropic	___ Other

Comments / Special Treatment ____

FINAL ANALYSIS 70% CEL; 30% FG; 10% PERL

Analyst [signature] Date 07/15/94 2nd Party ____ (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

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LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 3T28 Lab Sample ID # 7447-16

Sample Description Carpet master

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown 1 Black ___ Green ___ Blue ___ Other ___

Friable ___ Solid ___ Paper ___ Tile ___ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL ___% NONFIBROUS 100% HOMOGENEOUS: Y N

TEXTURE: ST

ESTIMATED FIBROUS CONSTITUENTS NFM

PLM ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - _|_ Blue	___ D.St. - II Gold - _|_ Blue	___ D.St. - II Yellow - _|_ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η _|_ ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η _|_ ___	η II ___ η _|_ ___
Cellulose 10%	Mineral Wool ___%	___ Perlite ___
✓ Flat Twisted fibers	___ irregular shapes	✓ Quartz 20
✓ Anisotropic	___ isotropic	___ Wollastonite ___
		___ CaCO ___
✓ Synthetics 2%	Glass Fibers ___%	___ CaSO ___
✓ even edges	___ staight fibers	___ Mica ___
✓ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment ___

FINAL ANALYSIS 10 Cellu; 2 SYN; 20% QTZ; 68 BLK

Analyst [signature] Date 07/18/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 17 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37732 Lab Sample ID # 7447-17

Sample Description Mortar

STEREOSCOPIC ANALYSIS

White ✓ Yellow ___ Tan ___ Brown ___ Black M Green ___ Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile X Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 3 % NONFIBROUS 97 % HOMOGENEOUS: Y N

TEXTURE: Sm / Sf

ESTIMATED FIBROUS CONSTITUENTS PT: 2% Chry M: 3% Chry

PLM ANALYSIS

Chrysotile 2 %	Amosite ___ %	Crocidolite ___ %
/ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - |_| Blue	___ D.St. - II Gold - |_| Blue	___ D.St. - II Yellow - |_| Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II 1.549 η |_| 1.557	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η |_| ___	η II ___ η |_| ___
Cellulose ___ %	Mineral Wool ___ %	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	___ Quartz ___
___ Anisotropic	___ isotropic	___ Wollastonite ___
		___ CaCO ___
Synthetics ___ %	Glass Fibers ___ %	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment ~~PT: 2% CHRY; 70% CO; 28% BLK~~
~~M: 3% CHRY; 5% CEL; 5% CO; 5% PRL; 82%~~

FINAL ANALYSIS 2% CHRY; 70% CO; 28% BLK

Analyst [signature] Date 7/1/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 18 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37729 Lab Sample ID # 7447-18

Sample Description Ceiling tile & mastic

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan CT Brown ___ Black M Green ___ Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile ___ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 90 % NONFIBROUS ___ % HOMOGENEOUS: Y N

TEXTURE: Sib/Sm

ESTIMATED FIBROUS CONSTITUENTS CT: 10% Cel 10% Fs / M: WEm

PLM ANALYSIS

Chrysotile ___ %	Amosite ___ %	Crocidolite ___ %
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - _I_ Blue	___ D.St. - II Gold - _I_ Blue	___ D.St. - II Yellow - _I_ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η _I_ ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η _I_ ___	✓ η II ___ η _I_ ___
Cellulose ___ %	Mineral Wool ___ %	✓ Perlite 10
___ Flat Twisted fibers	___ irregular shapes	___ Quartz
___ Anisotropic	___ isotropic	___ Wollastonite
		___ CaCO
Synthetics ___ %	✓ Glass Fibers 50 %	___ CaSO
___ even edges	✓ staight fibers	___ Mica
___ high birefringence	___ isotropic	✓ Other TR TREM

Comments / Special Treatment T - 10% PERL; 50% FS; 40% CEL
M - 2% TREM; 3% TRL; 5% FS; 90% BDR

FINAL ANALYSIS 10% PERL; 50% FS; 40% CEL; TR TREM

Analyst [signature] Date 07/05/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

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LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # 6E65-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/6/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37743 Lab Sample ID # 7447-19

Sample Description carpet mastic

STEREOSCOPIC ANALYSIS

White ___ Yellow X Tan ___ Brown ___ Black ___ Green ___ Blue ___ Other ___

Friable ___ Solid ___ Paper ___ Tile ___ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL ___% NONFIBROUS 100 % HOMOGENEOUS: Y ✓

TEXTURE: SX

ESTIMATED FIBROUS CONSTITUENTS NPM

PLM ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - _|_ Blue	___ D.St. - II Gold - _|_ Blue	___ D.St. - II Yellow - _|_ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η _|_ ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η _|_ ___	η II ___ η _|_ ___
Cellulose 5 %	Mineral Wool ___%	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	___ Quartz ___
___ Anisotropic	___ isotropic	___ Wollastonite ___
		___ CaCO ___
Synthetics ___%	Glass Fibers ___%	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment ___

FINAL ANALYSIS 5% Cellu; 95% Bldr

Analyst [signature] Date 7/6/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 20 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC-4ES Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37748 Lab Sample ID # 7447-20

Sample Description floor tile

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown ___ Black M Green ___ Blue BB Other ___

Friable ___ Solid X Paper ___ Tile ___ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL ___% NONFIBROUS 100% HOMOGENEOUS: Y N

the sample matl appears to be BB TEXTURE: fr

ESTIMATED FIBROUS CONSTITUENTS BB: UPM M: NP

PLM ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η ___ ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ___ ___	η II ___ η ___ ___
Cellulose ___%	Mineral Wool ___%	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	___ Quartz ___
___ Anisotropic	___ isotropic	___ Wollastonite ___
		___ CaCO ___
Synthetics ___%	Glass Fibers ___%	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment BB-NFTM / M-NFTM

FINAL ANALYSIS NFTM

Analyst [signature] Date 07/15/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 21 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37745 Lab Sample ID # 7447-21

Sample Description floor tile

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown ___ Black ___ Green Lt green ___ Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile ___ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 2 % NONFIBROUS 98 % HOMOGENEOUS: Y X

TEXTURE: fr

ESTIMATED FIBROUS CONSTITUENTS 2% Chry

PLM ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - _|_ Blue	___ D.St. - II Gold - _|_ Blue	___ D.St. - II Yellow - _|_ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η _|_ ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η _|_ ___	η II ___ η _|_ ___
Cellulose ___%	Mineral Wool ___%	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	___ Quartz ___
___ Anisotropic	___ isotropic	___ Wollastonite ___
		X CaCO 70
Synthetics ___%	Glass Fibers ___%	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment ___

FINAL ANALYSIS 70% CaCO; 30% BDR

Analyst [signature] Date 07/15/94 2nd Party ___ (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 22 of 24

ORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37752 Lab Sample ID # 7447-22

Sample Description baseboard mastic

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown ___ Black ___ Green Lt Green ___ Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile X Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 2 % NONFIBROUS ___ % HOMOGENEOUS: Y X

sample mat appears to be floor tile (no mastic) TEXTURE: ___

ESTIMATED FIBROUS CONSTITUENTS 2% Chry

PLM ANALYSIS

Chrysotile ___ %
- ___ Wavy Fibers
- ___ Sign of Elongation (+)
- ___ Parallel Extinction
- ___ Perpendicular Extinction
- ___ Birefringence - L.M.H.
- ___ ω blue ε yellow
- ___ D.St. - II Mag. - ___ Blue
- ___ Becke Line Used
- η II ___ η ___
- ___ Pleochroic @ 40X

Cellulose ___ %
- ___ Flat Twisted fibers
- ___ Anisotropic

Synthetics ___ %
- ___ even edges
- ___ high birefringence

Amosite ___ %
- ___ Straight Fibers
- ___ Sign of Elongation (+)
- ___ Parallel Extinction
- ___ Perpendicular Extinction
- ___ Birefringence - L.M.H.
- ___ ω blue ε yellow
- ___ D.St. - II Gold - ___ Blue
- ___ pleochroic @ 40X
- ___ Becke Line Used
- η II ___ η ___

Mineral Wool ___ %
- ___ irregular shapes
- ___ isotropic

Glass Fibers ___ %
- ___ staight fibers
- ___ isotropic

Crocidolite ___ %
- ___ Straight Fibers
- ___ Sign of Elongation (-)
- ___ Parallel Extinction
- ___ Perpendicular Extinction
- ___ Birefringence - L.M.H.
- ___ ω Tan ε Blue
- ___ D.St. - II Yellow - ___ Yellow
- ___ pleochroic @ 40X
- ___ Becke Line Used
- η II ___ η ___

- ___ Perlite
- ___ Quartz
- ___ Wollastonite
- ✓ CaCO 70
- ___ CaSO
- ___ Mica
- ___ Other

Comments / Special Treatment ___

FINAL ANALYSIS 70% CaCO 30% BDR

Analyst [signature] Date 07/6/94 2nd Party (if needed) ___

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Lab # 7447 Account # 20-341 Page 23 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 4&5 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37744 Lab Sample ID # 7447-23

Sample Description Sheetrock

STEREOSCOPIC ANALYSIS

White X Yellow ____ Tan ____ Brown ____ Black ____ Green ____ Blue ____ Other ____

Friable X Solid ____ Paper X Tile ____ Plaster ____ Paint ____ Other ____

FIBROUS MATERIAL 5 % NONFIBROUS 95 % HOMOGENEOUS: Y X

TEXTURE: Pow

ESTIMATED FIBROUS CONSTITUENTS 5% Cell

PLM ANALYSIS

Chrysotile ____%	Amosite ____%	Crocidolite ____%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - _|_ Blue	___ D.St. - II Gold - _|_ Blue	___ D.St. - II Yellow - _|_ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ____ η _|_ ____	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ____ η _|_ ____	η II ____ η _|_ ____
Cellulose 5 %	Mineral Wool ____%	___ Perlite ____
✓ Flat Twisted fibers	___ irregular shapes	✓ Quartz 5
✓ Anisotropic	___ isotropic	___ Wollastonite ____
		✓ CaCO 5
Synthetics ____%	Glass Fibers ____%	✓ CaSO 85
___ even edges	___ staight fibers	___ Mica ____
___ high birefringence	___ isotropic	___ Other ____

Comments / Special Treatment ____

FINAL ANALYSIS 5 Cell ; 5 Qtz ; 5 CaCO ; 85 CaSO

Analyst [signature] Date 07/15/94 2nd Party (if needed) ____

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 24 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EE65-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 4&5 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37389 Lab Sample ID # 7447-24

Sample Description Ceiling tile

STEREOSCOPIC ANALYSIS

White X Yellow ___ Tan ___ Brown ___ Black ___ Green ___ Blue ___ Other ___

Friable X Solid ___ Paper ___ Tile ___ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 90 % NONFIBROUS 10 % HOMOGENEOUS: Y

TEXTURE: Rib

ESTIMATED FIBROUS CONSTITUENTS 80% cell 10% fg

PLM ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ___	η II ___ η ___
Cellulose 40 %	Mineral Wool ___%	✓ Perlite 20
✓ Flat Twisted fibers	___ irregular shapes	___ Quartz
✓ Anisotropic	___ isotropic	___ Wollastonite
		___ CaCO
Synthetics ___%	✓ Glass Fibers 40 %	___ CaSO
___ even edges	✓ staight fibers	___ Mica
___ high birefringence	✓ isotropic	___ Other

Comments / Special Treatment

FINAL ANALYSIS 40% CELL; 40% FG; 20% PERL

Analyst [signature] Date 07/15/94 2nd Party (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7738 Account # 20-341 Page 1 of 13

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

at Dynamac Corporation ~~Purchase Order~~ Charge # 6E65-01B

Reported To Eric Dueltgen By Order Of Client

Sampled From NAFEC Bldg 485 Sampled By Client Date 7/18/94

Shipped Via Fed-x Date Received 7/19/94

Client Sample ID # 377727 Lab Sample ID # 7738-1

Sample Description Ceiling tile

STEREOSCOPIC ANALYSIS

White ✓ Yellow ____ Tan ____ Brown ____ Black ____ Green ____ Blue ____ Other ____

Friable ✓ Solid ____ Paper ____ Tile ✓ Plaster ____ Paint ____ Other ____

FIBROUS MATERIAL 80 % NONFIBROUS 20 % HOMOGENEOUS: (Y) N

TEXTURE: FB

ESTIMATED FIBROUS CONSTITUENTS Cell: 40 FG: 40

PLM ANALYSIS

Chrysotile ____%	Amosite ____%	Crocidolite ____%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - _|_ Blue	___ D.St. - II Gold - _|_ Blue	___ D.St. - II Yellow - _|_ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ____ η _|_ ____	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ____ η _|_ ____	✓ η II ____ η _|_ ____
Cellulose 50 %	Mineral Wool ____%	✓ Perlite 20
✓ Flat Twisted fibers	___ irregular shapes	___ Quartz ____
___ Anisotropic	___ isotropic	___ Wollastonite ____
		___ CaCO ____
Synthetics ____%	Glass Fibers 30 %	___ CaSO ____
___ even edges	___ staight fibers	___ Mica ____
___ high birefringence	___ isotropic	___ Other ____

Comments / Special Treatment ____

FINAL ANALYSIS 50% CELL; 30% FG; 20% PERL

Analyst [signature] Date 07/20/94 2nd Party ____ (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

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LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Dynamac Corporation Charge-~~Purchase Order~~ # 6665-013

Reported To Eric Dualtgen By Order Of Client

Sampled From NAFEC Bldg 485 Sampled By Client Date 7/18/94

Shipped Via Fed-x Date Received 7/19/94

Client Sample ID # 37722 Lab Sample ID # 7738-2

Sample Description Ceiling tile

STEREOSCOPIC ANALYSIS

White ✓ Yellow ___ Tan ___ Brown ___ Black ✓ Green ___ Blue ___ Other ___

Friable ✓ Solid ___ Paper ___ Tile ✓ Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 80 % NONFIBROUS 20 % HOMOGENEOUS: (Y) N

TEXTURE: FB

ESTIMATED FIBROUS CONSTITUENTS Cell: 40 FG: 40

PLM ANALYSIS

Chrysotile ___ %	Amosite ___ %	Crocidolite ___ %
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - _|_ Blue	___ D.St. - II Gold - _|_ Blue	___ D.St. - II Yellow - _|_ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η _|_ ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η _|_ ___	η II ___ η _|_ ___
Cellulose 40 %	Mineral Wool ___ %	✓ Perlite 20
✓ Flat Twisted fibers	___ irregular shapes	___ Quartz
✓ Anisotropic	___ isotropic	___ Wollastonite
Synthetics ___ %	Glass Fibers 40 %	___ CaCO
___ even edges	___ staight fibers	___ CaSO
___ high birefringence	___ isotropic	___ Mica
		___ Other

Comments / Special Treatment ___

FINAL ANALYSIS 40% CELL; 40% FG; 20% PERL

Analyst [signature] Date 07/20/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

7738 Account # 20-341 Page 3 of 13

RATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

: Dynamic Corporation Charge-~~Purchase Order~~ # 6E65-013

rted To Eric Dueltgen By Order Of Client

pled From NAFEC Bldg 485 Sampled By Client Date 7/18/94

ped Via Fed-x Date Received 7/19/94

t Sample ID # 37731 Lab Sample ID # 7738-3

ple Description Ceiling tile

REOSCOPIC ANALYSIS

: ✓ Yellow ____ Tan ____ Brown ____ Black ____ Green ____ Blue ____ Other ____

le ✓ Solid ____ Paper ____ Tile ✓ Plaster ____ Paint ____ Other ____

OUS MATERIAL 80 % NONFIBROUS 20 % HOMOGENEOUS: (Y) N

TEXTURE: FS

MATED FIBROUS CONSTITUENTS Cell: 40 FG: 40

ANALYSIS

Chrysotile ____%	Amosite ____%	Crocidolite ____%
(...ly Fibers	____Straight Fibers	____Straight Fibers
__ Sign of Elongation (+)	____Sign of Elongation (+)	____Sign of Elongation (-)
__ Parallel Extinction	____Parallel Extinction	____Parallel Extinction
__ Perpendicular Extinction	____Perpendicular Extinction	____Perpendicular Extinction
__ Birefringence - L.M.H.	____Birefringence - L.M.H.	____Birefringence - L.M.H.
__ ω blue ε yellow	____ ω blue ε yellow	____ ω Tan ε Blue
__ D.St. - II Mag. -__I__ Blue	____D.St. - II Gold -__I__ Blue	____D.St. - II Yellow -__I__Yellow
__ Becke Line Used	____pleochroic @ 40X	____pleochroic @ 40X
η II ____ η __I__ ____	____Becke Line Used	____Becke Line Used
__ Pleochroic @ 40X	η II ____ η __I__ ____	η II ____ η __I__ ____
✓ Cellulose 40 %	Mineral Wool ____%	✓ Perlite 10
✓ Flat Twisted fibers	____irregular shapes	____Quartz
__ Anisotropic	____isotropic	____Wollastonite
		____CaCO
Synthetics ____%	✓ Glass Fibers 50 %	____CaSO
__ even edges	✓ staight fibers	____Mica
__ high birefringence	✓ isotropic	____Other

mments / Special Treatment

NAL ANALYSIS 50% FG; 40% CELL; 10% PERL

[signature] Date 07/20/94 2nd Party (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

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RATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Dynamac Corporation Charge ~~Purchase Order~~ # 6665-01B

ted To Eric Dueltgen By Order Of Client

led From NAFEC Bldg 485 Sampled By Client Date 7/18/94

ed Via Fed-x Date Received 7/19/94

t Sample ID # 37742 Lab Sample ID # 7738-4

le Description Ceiling tile

REOSCOPIC ANALYSIS

e ✓ Yellow ___ Tan ___ Brown ___ Black ___ Green ___ Blue ___ Other ___

le ✓ Solid ___ Paper ___ Tile ✓ Plaster ___ Paint ___ Other ___

OUS MATERIAL 80 % NONFIBROUS 20 % HOMOGENEOUS: (Y) N

TEXTURE: FB

IMATED FIBROUS CONSTITUENTS Cell: 40 FG: 40

ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
avy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ___	η II ___ η ___
Cellulose 40 %	Mineral Wool ___%	✓ Perlite 70
✓ Flat Twisted fibers	___ irregular shapes	___ Quartz
✓ Anisotropic	___ isotropic	___ Wollastonite
		___ CaCO
Synthetics ___%	✓ Glass Fibers 50 %	___ CaSO
___ even edges	✓ staight fibers	___ Mica
___ high birefringence	✓ isotropic	___ Other

omments / Special Treatment

INAL ANALYSIS 10% Perl; 50% FG; 40% Cell

t [signature] Date 07/20/94 2nd Party (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

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RATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Dynamac Corporation Purchase Order # 6E65-013

ted To Eric Dualtgen By Order Of Client

pled From NAFEC Bldg 485 Sampled By Client Date 7/18/94

ped Via Fed-x Date Received 7/19/94

t Sample ID # 37746 Lab Sample ID # 7738-5

ple Description Sheetrock

REOSCOPIC ANALYSIS

e ✓ Yellow ___ Tan ___ Brown ___ Black ___ Green ___ Blue paint Other ___

ie ___ Solid ✓ Paper ___ Tile ___ Plaster ✓ Paint ✓ Other ___

IOUS MATERIAL 0 % NONFIBROUS 100 % HOMOGENEOUS: Y (N)

TEXTURE: p

IMATED FIBROUS CONSTITUENTS NFM.

ANALYSIS

Chrysotile ___ %

(avy Fibers
__ Sign of Elongation (+)
__ Parallel Extinction
__ Perpendicular Extinction
__ Birefringence - L.M.H.
__ ω blue ε yellow
__ D.St. - II Mag. - __I__ Blue
__ Becke Line Used
η II ___ η __I__ ___
__ Pleochroic @ 40X
Cellulose ___ %
__ Flat Twisted fibers
__ Anisotropic

Synthetics ___ %
__ even edges
__ high birefringence

Amosite ___ %

___ Straight Fibers
___ Sign of Elongation (+)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω blue ε yellow
___ D.St. - II Gold - __I__ Blue
___ pleochroic @ 40X
___ Becke Line Used
η II ___ η __I__ ___
Mineral Wool ___ %
___ irregular shapes
___ isotropic

Glass Fibers ___ %
___ staight fibers
___ isotropic

Crocidolite ___ %

___ Straight Fibers
___ Sign of Elongation (-)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω Tan ε Blue
___ D.St. - II Yellow - __I__ Yellow
___ pleochroic @ 40X
___ Becke Line Used
η II ___ η __I__ ___
___ Perlite ___
___ Quartz ___
___ Wollastonite ___
✓ CaCO 30
✓ CaSO 70
___ Mica ___
___ Other ___

omments / Special Treatment ___

NAL ANALYSIS 30% CaCO 70% CaSO

[signature] Date 07/20/94 2nd Party ___ (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

7738 Account # 20-341 Page 6 of 13

ORATORY ANALYSIS OF BULK ASSESTOS: Method Interim EPA 600/M4-82-020

Dynamic Corporation Purchase Order # Change 6665-013

orted To Eric Duelfgin By Order Of Client

pled From NAFEC Bldg 485 Sampled By Client Date 7/18/94

ped Via Fed-x Date Received 7/19/94

nt Sample ID # 37384 Lab Sample ID # 7738-6

nple Description Ceiling tile

EREOSCOPIC ANALYSIS

le ✓ Yellow ___ Tan ___ Brown ___ Black ___ Green ___ Blue ___ Other ___

ble ✓ Solid ___ Paper ___ Tile ✓ Plaster ___ Paint ___ Other ___

ROUS MATERIAL 80 % NONFIBROUS 20 % HOMOGENEOUS: (Y) N

TEXTURE: FNB

TIMATED FIBROUS CONSTITUENTS Cell: 40 FG: 40

M ANALYSIS

Chrysotile ___ %

Wavy Fibers
___ Sign of Elongation (+)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω blue ε yellow
___ D.St. - II Mag. - ⊥ Blue
___ Becke Line Used
η II ___ η ⊥ ___
___ Pleochroic @ 40X
Cellulose 40 %
✓ Flat Twisted fibers
✓ Anisotropic

Synthetics ___ %
___ even edges
___ high birefringence

Amosite ___ %

___ Straight Fibers
___ Sign of Elongation (+)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω blue ε yellow
___ D.St. - II Gold - ⊥ Blue
___ pleochroic @ 40X
___ Becke Line Used
η II ___ η ⊥ ___
Mineral Wool ___ %
___ irregular shapes
___ isotropic

✓ Glass Fibers 40 %
✓ staight fibers
___ isotropic

Crocidolite ___ %

___ Straight Fibers
___ Sign of Elongation (-)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω Tan ε Blue
___ D.St. - II Yellow - ⊥ Yellow
___ pleochroic @ 40X
___ Becke Line Used
η II ___ η ⊥ ___
✓ Perlite 20
___ Quartz
___ Wollastonite
___ CaCO
___ CaSO
___ Mica
___ Other

Comments / Special Treatment

FINAL ANALYSIS 40% Cell; 40% FG; 20% Perl

st [signature] Date 07/20/94 2nd Party (if needed)

4455 EAST CAMELBACK ROAD, SUITE D-155 • PHOENIX, ARIZONA 85018
(602) 840-8012 FAX: (602) 990-8469

NVLAP Accreditation #1926

ENVIRONMENTAL MANAGEMENT CONSULTANTS

7738 Account # 20-341 Page 1 of 13

ORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Dynamic Corporation Purchase Order # 6665-013

orted To Eric Dueltgen By Order Of Client

mpled From NAFEC Bldg 485 Sampled By Client Date 7/18/94

pped Via Fed-x Date Received 7/19/94

nt Sample ID # 37406 Lab Sample ID # 7738-7

mple Description Ceiling tile

EREOSCOPIC ANALYSIS

ite ✓ Yellow ____ Tan ____ Brown ____ Black ____ Green ____ Blue ____ Other ____

able ✓ Solid ____ Paper ____ Tile ✓ Plaster ____ Paint ____ Other ____

IBROUS MATERIAL 80 % NONFIBROUS 20 % HOMOGENEOUS: (Y) N

TEXTURE: FB

TIMATED FIBROUS CONSTITUENTS Cell: 40 FG: 40

M ANALYSIS

Chrysotile ____ %

Wavy Fibers
___ Sign of Elongation (+)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω blue ε yellow
___ D.St. - II Mag. - ⊥ Blue
___ Becke Line Used
η II ____ η ⊥ ____
___ Pleochroic @ 40X
✓ Cellulose 30 %
___ Flat Twisted fibers
✓ Anisotropic

Synthetics ____ %
___ even edges
___ high birefringence

Amosite ____ %

___ Straight Fibers
___ Sign of Elongation (+)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω blue ε yellow
___ D.St. - II Gold - ⊥ Blue
___ pleochroic @ 40X
___ Becke Line Used
η II ____ η ⊥ ____
Mineral Wool ____ %
___ irregular shapes
___ isotropic

Glass Fibers 50 %
✓ staight fibers
✓ isotropic

Crocidolite ____ %

___ Straight Fibers
___ Sign of Elongation (-)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω Tan ε Blue
___ D.St. - II Yellow - ⊥ Yellow
___ pleochroic @ 40X
___ Becke Line Used
η II ____ η ⊥ ____
✓ Perlite 20
___ Quartz
___ Wollastonite
___ CaCO
___ CaSO
___ Mica
___ Other

Comments / Special Treatment

FINAL ANALYSIS 30% CELL; 50% FG; 20% PERL

st [signature] Date 07/20/94 2nd Party (if needed)

4455 EAST CAMELBACK ROAD, SUITE D-155 • PHOENIX, ARIZONA 85018
(602) 840-8012 FAX: (602) 990-8463

NVLAP Accreditation #1926

ENVIRONMENTAL MANAGEMENT CONSULTANTS

: 7738 Account # 20-341 Page 8 of 13

ORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

: Duramac Corporation Purchase Order # 6E65-013

orted To Eric Dueltgen By Order Of Client

pled From NAFEC Bldg 485 Sampled By Client Date 7/18/94

ped Via Fed-x Date Received 7/19/94

nt Sample ID # 36758 Lab Sample ID # 7738-8

ple Description Sheetrock

REOSCOPIC ANALYSIS

e ✓ Yellow ___ Tan ✓ Brown ___ Black ___ Green ___ Blue ___ Other ___

ble ✓ Solid ___ Paper ✓ Tile ___ Plaster ___ Paint ___ Other ___

ROUS MATERIAL 10 % NONFIBROUS 90 % HOMOGENEOUS: Y (N)

TEXTURE: Chlky, FB

IMATED FIBROUS CONSTITUENTS Cell: 10

ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
(avy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ___	η II ___ η ___
✓ Cellulose 5 %	Mineral Wool ___%	___ Perlite
✓ Flat Twisted fibers	___ irregular shapes	✓ Quartz 10
✓ Anisotropic	___ isotropic	___ Wollastonite
		___ CaCO
Synthetics ___%	Glass Fibers ___%	✓ CaSO 85
___ even edges	___ staight fibers	___ Mica
___ high birefringence	___ isotropic	___ Other

Comments / Special Treatment

FINAL ANALYSIS 5 Cell; 10 QTZ; 85 GSO

Analyst [signature] Date 07/20/94 2nd Party (if needed)

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NVLAP Accreditation #1926

ENVIRONMENTAL MANAGEMENT CONSULTANTS

7738 Account # 20-341 Page 9 of 13

ORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Dynamic Corporation Charge Purchase Order # 6665-013

orted To Eric Dueltgen By Order Of Client

pled From NAFEC Bldg 485 Sampled By Client Date 7/18/94

ped Via Fed-x Date Received 7/19/94

t Sample ID # 36771 Lab Sample ID # 7738-9

ple Description Sheet rock

REOSCOPIC ANALYSIS

le ✓ Yellow ___ Tan ✓ Brown ___ Black ___ Green ___ Blue ___ Other ___

ble ✓ Solid ___ Paper ✓ Tile ___ Plaster ___ Paint tr Other ___

ROUS MATERIAL 10 % NONFIBROUS 90 % HOMOGENEOUS: Y (N)

TEXTURE: chlky. fib

TIMATED FIBROUS CONSTITUENTS Cell: 10

ANALYSIS

Chrysotile ___ %

___ Wavy Fibers
___ Sign of Elongation (+)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω blue ε yellow
___ D.St. - II Mag. - ___ Blue
___ Becke Line Used
η II ___ η ___
___ Pleochroic @ 40X
✓ Cellulose 5 %
✓ Flat Twisted fibers
___ Anisotropic

Synthetics ___ %
___ even edges
___ high birefringence

Amosite ___ %

___ Straight Fibers
___ Sign of Elongation (+)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω blue ε yellow
___ D.St. - II Gold - ___ Blue
___ pleochroic @ 40X
___ Becke Line Used
η II ___ η ___
Mineral Wool ___ %
___ irregular shapes
___ isotropic

Glass Fibers ___ %
___ staight fibers
___ isotropic

Crocidolite ___ %

___ Straight Fibers
___ Sign of Elongation (-)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω Tan ε Blue
___ D.St. - II Yellow - ___ Yellow
___ pleochroic @ 40X
___ Becke Line Used
η II ___ η ___
___ Perlite
✓ Quartz 10
___ Wollastonite
___ CaCO
✓ CaSO 85
___ Mica
___ Other

omments / Special Treatment

INAL ANALYSIS 5 Cell ; 10 Qtz ; 85 CaSO

st [signature] Date 07/20/94 2nd Party ___ (if needed)

4455 EAST CAMELBACK ROAD, SUITE D-155 • PHOENIX, ARIZONA 85018
(602) 840-8012 FAX: (602) 990-8468

NVLAP Accreditation #1926

ENVIRONMENTAL MANAGEMENT CONSULTANTS

7738 Account # 20-341 Page 10 of 13

ORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Dynamac Corporation Purchase Order # 6E65-013

orted To Eric Dueltgen By Order Of Client

pled From NAFEC Bldg 455 Sampled By Client Date 7/18/94

ped Via Fed-x Date Received 7/19/94

nt Sample ID # 37734 Lab Sample ID # 7738-10

ple Description Ceiling tile

REOSCOPIC ANALYSIS

a ✓ Yellow ___ Tan ___ Brown ___ Black ___ Green ___ Blue ___ Other ___

ble ✓ Solid ___ Paper ___ Tile ✓ Plaster ___ Paint ___ Other ___

ROUS MATERIAL 80 % NONFIBROUS 20 % HOMOGENEOUS: (Y) N

TEXTURE: fill

IMATED FIBROUS CONSTITUENTS Cell: 40 FG: 40

ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ___	η II ___ η ___
Cellulose 40 %	Mineral Wool ___%	✓ Perlite 70
✓ Flat Twisted fibers	___ irregular shapes	___ Quartz
✓ Anisotropic	___ isotropic	___ Wollastonite
		___ CaCO
Synthetics ___%	Glass Fibers 40 %	___ CaSO
___ even edges	✓ staight fibers	___ Mica
___ high birefringence	✓ isotropic	___ Other

omments / Special Treatment

INAL ANALYSIS 40% CELL; 40% FG; 20% PERL

t [signature] Date 7/20/94 2nd Party (if needed)

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(602) 840-8012 FAX: (602) 990-8468

NVLAP Accreditation #1926

ENVIRONMENTAL MANAGEMENT CONSULTANTS

= 7738 Account # 20-341 Page 11 of 13

ORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Durimac Corporation Purchase Order # 6165-013

orted To Eric Duultgin By Order Of Client

pled From NAFEC Bldg 455 Sampled By Client Date 7/15/94

ped Via Fed-x Date Received 7/19/94

nt Sample ID # 36775 Lab Sample ID # 7738-11

nple Description Ceiling tile

EREOSCOPIC ANALYSIS

te ✓ Yellow ___ Tan ___ Brown ___ Black ___ Green ___ Blue ___ Other ___

ble ✓ Solid ___ Paper ___ Tile ✓ Plaster ___ Paint ___ Other ___

ROUS MATERIAL 80 % NONFIBROUS 20 % HOMOGENEOUS: (Y) N

TEXTURE: FB

TIMATED FIBROUS CONSTITUENTS Cell: 40 FG: 40

M ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η ___ ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ___ ___	η H ___ η ___ ___
Cellulose 40 %	Mineral Wool ___%	✓ Perlite 20
✓ Flat Twisted fibers	___ irregular shapes	___ Quartz
✓ Anisotropic	___ isotropic	___ Wollastonite
		___ CaCO
Synthetics ___%	Glass Fibers 40 %	___ CaSO
___ even edges	✓ staight fibers	___ Mica
___ high birefringence	___ isotropic	___ Other

omments / Special Treatment ___

INAL ANALYSIS 40% CELL; 40% FG; 20% PERL

t [signature] Date 07/20/94 2nd Party ___ (if needed)

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NVLAP Accreditation #1926

ENVIRONMENTAL MANAGEMENT CONSULTANTS

7738 Account # 20-341 Page 12 of 13

ORATORY ANALYSIS OF BULK ASSESTOS: Method Interim EPA 600/M4-82-020

Dynamic Corporation Charge Purchase Order # 6665-01B

orted To Eric Duultgen By Order Of Client

pled From NAFEC Bldg 455 Sampled By Client Date 7/18/94

ped Via Fed-x Date Received 7/19/94

nt Sample ID # 37725 Lab Sample ID # 7738-12

ple Description Plaster

REOSCOPIC ANALYSIS

e ___ Yellow ___ Tan ___ Brown ___ Black ___ Green ___ Blue ___ Other gray

ple ✓ Solid ___ Paper ___ Tile ___ Plaster ✓ Paint ___ Other ___

ROUS MATERIAL 0 % NONFIBROUS 100 % HOMOGENEOUS: (Y) N

TEXTURE: grain

IMATED FIBROUS CONSTITUENTS NFM

I ANALYSIS

Chrysotile ___ %

___ avy Fibers
___ ign of Elongation (+)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω blue ε yellow
___ D.St. - II Mag. - ⊥ Blue
___ Becke Line Used
η II ___ η ⊥ ___
___ Pleochroic @ 40X
Cellulose ___ %
___ Flat Twisted fibers
___ Anisotropic

Synthetics ___ %
___ even edges
___ high birefringence

Amosite ___ %

___ Straight Fibers
___ Sign of Elongation (+)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω blue ε yellow
___ D.St. - II Gold - ⊥ Blue
___ pleochroic @ 40X
___ Becke Line Used
η II ___ η ⊥ ___
Mineral Wool ___ %
___ irregular shapes
___ isotropic

Glass Fibers ___ %
___ staight fibers
___ isotropic

Crocidolite ___ %

___ Straight Fibers
___ Sign of Elongation (-)
___ Parallel Extinction
___ Perpendicular Extinction
___ Birefringence - L.M.H.
___ ω Tan ε Blue
___ D.St. - II Yellow - ⊥ Yellow
___ pleochroic @ 40X
___ Becke Line Used
η II ___ η ⊥ ___
___ Perlite ___
✓ Quartz 45
___ Wollastonite ___
___ CaCO ___
✓ CaSO 50
___ Mica ___
___ Other ___

omments / Special Treatment ___

INAL ANALYSIS 40% PTL, 50% GSO

r [signature] Date 07/20/94 2nd Party ___ (if needed)

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NVLAP Accreditation #1926

ENVIRONMENTAL MANAGEMENT CONSULTANTS

7738 Account # 20-341 Page 13 of 13

ORATORY ANALYSIS OF BULK ASSESTOS: Method Interim EPA 600/M4-82-020

Dynamac Corporation Charge-Purchase Order # 6E65-013

orted To Eric Dueltgen By Order Of Client

pled From NAFEC Bldg 455 Sampled By Client Date 7/18/94

ped Via Fed-x Date Received 7/19/94

t Sample ID # 37720 Lab Sample ID # 7738-13

ple Description Plaster

REOSCOPIC ANALYSIS

e ✓ Yellow ____ Tan ____ Brown ____ Black ____ Green ____ Blue ____ Other ✓ gray

ple ✓ Solid ____ Paper ____ Tile ____ Plaster ✓ Paint ____ Other ____

ROUS MATERIAL 0 % NONFIBROUS 100 % HOMOGENEOUS: (Y) N

TEXTURE: grain

IMATED FIBROUS CONSTITUENTS NFM.

I ANALYSIS

Chrysotile ____%	Amosite ____%	Crocidolite ____%
'avy Fibers	____Straight Fibers	____Straight Fibers
__ ign of Elongation (+)	____Sign of Elongation (+)	____Sign of Elongation (-)
__ Parallel Extinction	____Parallel Extinction	____Parallel Extinction
__ Perpendicular Extinction	____Perpendicular Extinction	____Perpendicular Extinction
__ Birefringence - L.M.H.	____Birefringence - L.M.H.	____Birefringence - L.M.H.
__ ω blue ε yellow	____ ω blue ε yellow	____ ω Tan ε Blue
__ D.St. - II Mag. -__I__ Blue	____D.St. - II Gold -__I__ Blue	____D.St. - II Yellow -__I__Yellow
__ Becke Line Used	____pleochroic @ 40X	____pleochroic @ 40X
η II ____ η __I__ ____	____Becke Line Used	____Becke Line Used
__ Pleochroic @ 40X	η II ____ η __I__ ____	η II ____ η __I__ ____
Cellulose ____%	Mineral Wool ____%	____Perlite____
__ Flat Twisted fibers	____irregular shapes	✓ Quartz 40
__ Anisotropic	____isotropic	____Wollastonite____
		____CaCO____
Synthetics ____%	Glass Fibers ____%	✓ CaSO 50
__ even edges	____staight fibers	____Mica____
__ high birefringence	____isotropic	____Other____

omments / Special Treatment ____

NAL ANALYSIS 40% QTZ, 50% GYP

t [signature] Date 07/20/94 2nd Party ____ (if needed)

KENNETH W. HOKANSON
4455 EAST CAMELBACK ROAD, SUITE D-155 • PHOENIX, ARIZONA 85018
(602) 840-8012 FAX: (602) 990-8468

NVLAP Accreditation #1926

DYNAMAC CORPORATION Chain of Custody

485

Return this completed form and lab results to:

Dynamac Corporation
10190 Systems Parkway
Suite 110
Sacramento, CA 95827

Project Name: NAFEC
Site Name: "
Inspector: Duelfgen/Budke

Date: 8/4/94

Charge Number: 6E65-01B

Test Method (circle as appropriate): PLM PCM TEM

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
37751	Ceiling tile		
37747	Ceiling tile		

Relinquished by:		Received by:		Date/Time
Name: Eric Duelfgen	Signature:	Name:	Signature:	
Company: DYNAMAC CORPORATION		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		

DYNAMAC CORPORATION — Chain of Custody

485

Return this completed form and lab results to:

Dynamac Corporation
10190 Systems Parkway
Suite 110
Sacramento, CA 95827

Project Name: NAFEC
Site Name: "
Inspector: Duettgen/Burke

Date: 7/1/94

Charge Number: 6E65-01B

Test Method (circle as appropriate): (PLM) PCM TEM

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
[redacted]		[redacted]	
[redacted]		[redacted]	
[redacted]		[redacted]	
36758	Sheetrock	37734	Ceiling tile
36771	Sheetrock	36775	Ceilling tile
[redacted]		[redacted]	
[redacted]	tile	[redacted]	
[redacted]		[redacted]	
[redacted]	ile	[redacted]	
[redacted]		37725	Plaster
[redacted]		37720	Plaster
[redacted]		[redacted]	

Relinquished by:		Received by:		Date/Time
Name: Eric Duettgen	Signature:	Name:	Signature:	
Company: DYNAMAC CORPORATION		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		

DYNAMAC CORPORATION — Chain of Custody

485

Return this completed form and lab results to:

Dynamac Corporation
10190 Systems Parkway
Suite 110
Sacramento, CA 95827

Project Name: NAFEC
Site Name: "
Inspector: Duelfgen / Burke

Date: 7/1/94

Charge Number: 6E65-01B

Test Method (circle as appropriate): PLM PCM TEM

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
37727	Ceiling tile	[redacted]	[redacted]
37722	Ceiling tile	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	Baseboard mastic	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
37731	Ceiling tile	[redacted]	[redacted]
37742	Ceiling tile	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]

Relinquished by:		Received by:		Date/Time
Name: Eric Duelfgen	Signature: [signature]	Name:	Signature:	
Company: DYNAMAC CORPORATION		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		

DYNAMAC CORPORATION — Chain of Custody

485

Return this completed form and lab results to:

Dynamac Corporation
10190 Systems Parkway
Suite 110
Sacramento, CA 95827

Project Name: NAFEC
Site Name: "
Inspector: Dueltgen / Budke

Date: 7/1/94

Charge Number: 6E65-01B

Test Method (circle as appropriate): PLM PCM TEM

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
37746	Sheetrock		
[redacted]			
37384	Ceiling tile		
37406	Ceiling tile		

Relinquished by:		Received by:		Date/Time
Name: Eric Dueltgen	Signature:	Name:	Signature:	
Company: DYNAMAC CORPORATION		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		

ENVIRONMENTAL MANAGEMENT CONSULTANTS

CHAIN OF CUSTODY FORM

FAXED 7/15

CLIENT DYNAMAC LAB # 7447

PROJECT NAME NAFEC YES

NUMBER OF SAMPLES 24 PAGE ____ OF ____

CLIENT SAMPLE ID 37735 - 37758

LAB SAMPLE ID 7447 - (01 - 24)

REC'D KK DATE REC'D 7/5/94 TIME 12 AM PM

DELIVERED BY Fed Ex SHIPPING BILL RETAINED YES / NO

CONDITION OF PACKAGE Good

PACKAGE OPENED BY KK DATE 7/5/94

SAMPLE CONDITION EXAMINED BY KK DATE 7/5/94

CONDITION OF INDIVIDUAL SAMPLES Good

SAMPLE ACCEPTED YES / NO

ASSIGNED FOR PREP ANALYSIS BY KK DATE 7/5/94

PREPARED FOR ANALYSIS BY [illegible] DATE 07/14/94

ANALYZED BY [illegible] DATE 07-16-94

SUBMITTED FOR Q.C. ____ DATE ____

QUALITY CONTROL CHECKED BY [illegible] DATE 7-18-94

ACTION TAKEN [illegible]

INITIAL BY ALL PARTIES INVOLVED ____

SUBMITTED FOR REPORT BY [illegible] DATE 7-18-94

REPORT CHECKED BY [illegible] DATE 7/18/94

REPORT ISSUED TO CLIENT BY ____ DATE ____

SAMPLES RETURNED YES / NO ____ DATE ____

SAMPLES STORED ____ DATE ____

OTHER ____

4455 EAST CAMELBACK ROAD, SUITE D-155 • PHOENIX, ARIZONA 85018
(602) 840-8012 FAX: (602) 990-8468

ENVIRONMENTAL MANAGEMENT CONSULTANTS

CHAIN OF CUSTODY FORM

FAXED 11-20

CLIENT Dynamac Corporation LAB # 7738

PROJECT NAME NAFEC Bldg 455

NUMBER OF SAMPLES 13 PAGE ____ OF ____

CLIENT SAMPLE ID 37727 - 37720

LAB SAMPLE ID 7738 (37727-37720)

REC'D DP DATE REC'D 7/19 TIME 10:30 AM / PM

DELIVERED BY Fed-x SHIPPING BILL RETAINED YES / NO

CONDITION OF PACKAGE Good

PACKAGE OPENED BY DP DATE 7/19

SAMPLE CONDITION EXAMINED BY DP DATE 7/19

CONDITION OF INDIVIDUAL SAMPLES Good

SAMPLE ACCEPTED YES / NO

ASSIGNED FOR PREP ANALYSIS BY DP DATE 7/19

PREPARED FOR ANALYSIS BY RP DATE 7/19/94

ANALYZED BY [illegible] DATE 07-20-94

SUBMITTED FOR Q.C. ____ DATE ____

QUALITY CONTROL CHECKED BY [illegible] DATE 7-20-94

ACTION TAKEN N/A

INITIAL BY ALL PARTIES INVOLVED ____

SUBMITTED FOR REPORT BY [illegible] DATE 7-20-94

REPORT CHECKED BY [illegible] DATE 7-20-94

REPORT ISSUED TO CLIENT BY ____ DATE ____

SAMPLES RETURNED YES / NO ____ DATE ____

SAMPLES STORED ____ DATE ____

OTHER ____

4455 EAST CAMELBACK ROAD, SUITE D-155 • PHOENIX, ARIZONA 85018
(602) 840-8012 FAX: (602) 990-8468

/18/94

ENVIRONMENTAL MANAGEMENT CONSULTANTS
BULK MATERIAL REPORT

LAB: 7447
Methodology: EPA 600/M4-82-020
P/O#: 6E65-01B
Proj:
By: Client

PORT Laboratory Analysis: BULK
Lient: Dynamac Corporation
eported to: Bruck Zike
ampled from: NAFEC 485
hipped via: Federal Express

Received: 7/05/94 **Reported:** 7/18/94

SAMPLE	IDENTIFICATION	PARAMETER	TEST RESULTS
01A	37735 Floor Tile Green	Asbestos	Positive. This sample contains approx. 5% Chrysotile, 70% CaCO, and 25% Binder.
01B	37735 Mastic Black	Asbestos	Positive. This sample contains approx. 2% Chrysotile, 5% Cellulose, 3% Fiberglass, 15% CaCO, and 75% Binder.
02	36773 Sheetrock White	Asbestos	None detected. This sample contains approx. 2% Cellulose, 3% Fiberglass, and 95% CaSO.
03A	36774 Floor Tile Gray, Black	Asbestos	Positive. This sample contains approx. 3% Chrysotile, 70% CaCO, 27% Binder.
03B	36774 Mastic Black	Asbestos	Trace detected. This sample contains approx. a trace of Chrysotile, 3% Cellulose, 15% CaCO, and 72% Binder.

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Kenneth N. Hokanson

Analyst(s): Kenneth Hokanson

By: Russell Nassof PD ___

LAP Accreditation #1926, CA ELAP #1913, NY ELAP #11445, TX DOH #30-0094

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BULK MATERIAL REPORT

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SAMPLE	IDENTIFICATION	PARAMETER	TEST RESULTS
04A	36776 Floor Tile Black, Gray	Asbestos	Positive. This sample contains approx. 2% Chrysotile, 70% CaCO, and 28% Binder.
04B	36776 Mastic Black	Asbestos	Positive. This sample contains approx. 10% Chrysotile, 70% CaCO, and 70% Binder.
05A	36772 Floor Tile Light Green	Asbestos	Positive. This sample contains approx. 2% Chrysotile, 70% CaCO, and 28% Binder.
05B	36772 Mastic Black	Asbestos	Positive. This sample contains approx. 5% Chrysotile. 20% CaCO, and 75% Binder.
06A	36764 Floor Tile Green	Asbestos	Positive. This sample contains approx. 5% Chrysotile, 70% CaCO, and 25% Binder.

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BULK MATERIAL REPORT

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SAMPLE	IDENTIFICATION	PARAMETER	TEST RESULTS
06B	36764 Mastic 1 Brown	Asbestos	Trace detected. This sample contains approx. a trace of Chrysotile, 10% Cellulose, 20% Quartz, and 70% Binder.
06C	36764 Mastic 2 Black	Asbestos	Trace detected. This sample contains approx. a trace of Chrysotile, 10% Cellulose, 10% Quartz, and 80% Binder.
07	36757 Ceiling Tile White, Gray	Asbestos	None detected. This sample contains approx. 25% Cellulose, 50% Fiberglass, 20% Perlite, and 5% Quartz.
08	36766 Floor Tile Black	Asbestos	Positive. This sample contains approx. 5% Chrysotile, 60% CaCO, and 35% Binder.
09	36763 Plaster White	Asbestos	None detected. This sample contains approx. 30% Quartz, and 70% CaSO.

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BULK MATERIAL REPORT

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LAB: 7447
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P/O#: 6E65-01B
Proj:
By: Client
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SAMPLE	IDENTIFICATION	PARAMETER	TEST RESULTS
10	37740 Ceiling Tile White, Gray	Asbestos	None detected. This sample contains approx. 40% Cellulose, 40% Fiberglass and 20% Perlite.
11	37739 Sheetrock Light Pink	Asbestos	None detected. This sample contains approx. 5% Cellulose, 10% CaCO, 5% Quartz, and 80% CaSO.
12	37737 Tar Paper Brown, Black	Asbestos	None detected. This sample contains approx. 50% Cellulose, and 50% Binder.
13	37723 Baseboarad Mastic Tan	Asbestos	None detected. This sample contains approx. 10% Fiberglass, 10% Wollastonite, 30% CaCO, and 50% Binder.
14	37736 Baseboard Mastic Brown	Asbestos	None detected. This sample contains approx. 10% Wollastonite, 10% CaCO, 5% Quartz, and 75% Binder.

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BULK MATERIAL REPORT

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LAB: 7447
Methodology: EPA 600/M4-82-020
P/O#: 6E65-01B
Proj:
By: Client

Received: 7/05/94 Reported: 7/18/94

SAMPLE	IDENTIFICATION	PARAMETER	TEST RESULTS
15	37738 Ceiling Tile White, Gray	Asbestos	None detected. This sample contains approx. 40% Cellulose, 50% Fiberglass, and 10% Perlite.
16	37728 Carpet Mastic Brown	Asbestos	None detected. This sample contains approx. 10% Cellulose, 2% Synthetics, 20% Quartz, and 68% Binder.
17A	37732 Floor Tile White	Asbestos	Positive. This sample contains approx. 2% Chrysotile, 70% CaCO, and 28% Binder.
17B	37729 Mastic Black	Asbestos	Positive. This sample contains approx. 5% Chrysotile, 3% Cellulose, 5% CaCO, 5% Quartz, and 82% Binder.
18A	37729 Ceiling Tile Tan	Asbestos	None detected. This sample contains approx. 10% Perlite, 50% Fiberglass, and 40% Cellulose.

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7/18/94

ENVIRONMENTAL MANAGEMENT CONSULTANTS
BULK MATERIAL REPORT

LAB: 7447
Methodology: EPA 600/M4-82-020

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Proj:
By: Client
Received: 7/05/94 **Reported:** 7/18/94

SAMPLE	IDENTIFICATION	PARAMETER	TEST RESULTS
18B	37729 Mastic Black	Asbestos	Positive. This sample contains approx. 2% Tremolite, 3% Talc, 90% Binder, and 5% Fiberglass.
19	37743 Carpet Mastic Yellow	Asbestos	None detected. This sample contains approx. 5% Cellulose, and 95% Binder.
20A	37748 Floor Tile Blue	Asbestos	None detected. This sample contains Non-Fibrous Material.
20B	37748 Mastic Black	Asbestos	None detected. This sample contains Non-Fibrous Material.
21	37745 Floor Tile Light Green	Asbestos	None detected. This sample contains approx. 70% CaCO, and 30% Binder.

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LAB: 7447
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P/O#: 6E65-01B
Proj:
By: Client
Received: 7/05/94 **Reported:** 7/18/94

SAMPLE	IDENTIFICATION	PARAMETER	TEST RESULTS
22	37752 Baseboard Mastic Light Green	Asbestos	None detected. This sample contains approx. 70% CaCO, and 30% Binder.
23	37744 Sheetrock White	Asbestos	None detected. This sample contains approx. 5% Cellulose, 5% Quartz, 5% CaCO, and 85% CaSO.
24	37389 Ceiling Tile White	Asbestos	None detected. This sample contains approx. 40% Cellulose, 40% Fiberglass, and 20% Perlite.

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ENVIRONMENTAL MANAGEMENT CONSULTANTS
BULK MATERIAL REPORT

PORT Laboratory Analysis: **BULK**
ient: Dynamac Corporation
Reported to: Eric Dueltgen
Sampled from: NAFEC
Shipped via: Federal Express

LAB: 7738
Methodology: EPA 600/M4-82-020
P/O#: Chg. # 6E65-01B
Proj: Bldg. 485
By: Client
Received: 7/19/94 **Reported:** 7/20/94

SAMPLE	IDENTIFICATION	PARAMETER	TEST RESULTS
01	37727 Ceiling Tile White	Asbestos	None detected. This sample contains approx. 50% Cellulose, 20% Perlite, and 30% Fiberglass.
02	37722 Ceiling Tile White	Asbestos	None detected. This sample contains approx. 40% Cellulose, 20% Perlite, and 40% Fiberglass.
03	37731 Ceiling Tile White	Asbestos	None detected. This sample contains approx. 50% Fiberglass, 10% Perlite and 40% Cellulose.
04	37742 Ceiling Tile White	Asbestos	None detected. This sample contains approx. 10% Perlite, 50% Fiberglass and 40% Cellulose.
05	37746 Sheetrock White	Asbestos	None detected. This sample contains approx. 30% CaCO and 70% CaSO.

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ent: Dynamac Corporation
ported to: Eric Dueltgen
mpled from: NAFEC
ipped via: Federal Express

Received: 7/19/94 **Reported:** 7/20/94

AMPLE	IDENTIFICATION	PARAMETER	TEST RESULTS
06	37384 Ceiling Tile White	Asbestos	None detected. This sample contains approx. 40% Cellulose, 20% Perlite, and 40% Fiberglass.
07	37406 Ceiling Tile White	Asbestos	None detected. This sample contains approx. 30% Cellulose, 20% Perlite, and 50% Fiberglass.
08	36758 Sheetrock White, Tan	Asbestos	None detected. This sample contains approx. 5% Cellulose, 10% Quartz, and 85% CaSO.
09	36771 Sheetrock White, Tan	Asbestos	None detected. This sample contains approx. 5% Cellulose, 10% Quartz, and 85% CaSO.
10	37734 Ceiling Tile White	Asbestos	None detected. This sample contains approx. 40% Cellulose, 20% Perlite, and 40% Fiberglass.

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Reported to: Eric Dueltgen
Sampled from: NAFEC
Shipped via: Federal Express

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P/O#: Chg. # 6E65-01B
Proj: Bldg. 485
By: Client

Received: 7/19/94 **Reported:** 7/20/94

SAMPLE	IDENTIFICATION	PARAMETER	TEST RESULTS
11	36775 Ceiling Tile White	Asbestos	None detected. This sample contains approx. 40% Cellulose, 20% Perlite, and 40% Fiberglass.
12	37725 Plaster Gray	Asbestos	None detected. This sample contains approx. 40% Quartz and 60% CaSO.
13	37720 Plaster White, Gray	Asbestos	None detected. This sample contains approx. 40% Quartz and 60% CaSO.

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 1 of 24

BORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # 6E65-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 37735 Lab Sample ID # 7447-1

Sample Description floor tile

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown ___ Black M Green FT Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile X Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 5 % NONFIBROUS 95 % HOMOGENEOUS: Y N X

TEXTURE: Sn/St

ESTIMATED FIBROUS CONSTITUENTS FT - 2% Chry M - 3% Chry

PLM ANALYSIS

Chrysotile 5 %	Amosite ___ %	Crocidolite ___ %
/ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
/ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
/ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
/ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
/ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
/ D.St. - II Mag. - || Blue	___ D.St. - II Gold - || Blue	___ D.St. - II Yellow - || Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II 1.557 η ⊥ 1.543	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ⊥ ___	η II ___ η ⊥ ___
Cellulose ___ %	Mineral Wool ___ %	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	___ Quartz ___
___ Anisotropic	___ isotropic	___ Wollastonite ___
		___ CaCO ___
Synthetics ___ %	Glass Fibers ___ %	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment FT 5 CHRY; 70 GCO; 25 BMK
M - 2 CHR; 5 FIBL; 5 TC; 18 GCO; 75 BMK

FINAL ANALYSIS 5 CHRY; 70 GCO; 25 BMK

Analyst [signature] Date 07/16/94 2nd Party ___ (if needed)

KENNETH W. [illegible]

4455 EAST CAMELBACK ROAD, SUITE D-155 • PHOENIX, ARIZONA 85018
(602) 840-8012 FAX: (602) 990-8468

NVLAP Accreditation #1926

ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 2 of 24

BORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 36773 Lab Sample ID # 7447-2

Sample Description Sheetrock

STEREOSCOPIC ANALYSIS

White X Yellow ____ Tan ____ Brown ____ Black ____ Green ____ Blue ____ Other ____

Friable X Solid ____ Paper ____ Tile ____ Plaster ____ Paint ____ Other ____

FIBROUS MATERIAL 5 % NONFIBROUS 95 % HOMOGENEOUS: Y N

TEXTURE: Pr

ESTIMATED FIBROUS CONSTITUENTS 2% Fs 3% Cel

PLM ANALYSIS

Chrysotile ____%	Amosite ____%	Crocidolite ____%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ____ η ___ ____	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ____ η ___ ____	η II ____ η ___ ____
Cellulose 2 %	Mineral Wool ____%	___ Perlite ____
X Flat Twisted fibers	___ irregular shapes	___ Quartz ____
X Anisotropic	___ isotropic	___ Wollastonite ____
		___ CaCO ____
Synthetics ____%	Glass Fibers 3 %	X CaSO 95
___ even edges	X staight fibers	___ Mica ____
___ high birefringence	X isotropic	___ Other ____

Comments / Special Treatment ____

FINAL ANALYSIS 2% Cell; 3% FS; 95% Gyp

Analyst [illegible] Date 7/5/94

2nd Party ____ (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 3 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # 6E65-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 36774 Lab Sample ID # 7447-3

Sample Description floor tile

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown ___ Black FT 4M Green ___ Blue ___ Other FT-Gray

Friable ___ Solid Y Paper ___ Tile b Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 5 % NONFIBROUS 95 % HOMOGENEOUS: Y N

TEXTURE: 3/2t

ESTIMATED FIBROUS CONSTITUENTS FT. 2% chry FM: 3% Chry

PLM ANALYSIS

Chrysotile 3 %	Amosite ___ %	Crocidolite ___ %
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
// Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
// Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
/ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
/ D.St. - II Mag. - | Blue	___ D.St. - II Gold - | Blue	___ D.St. - II Yellow - | Yellow
/ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
// η II 1.546 | 1.542	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η | ___	η II ___ η | ___
Cellulose ___ %	Mineral Wool ___ %	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	___ Quartz ___
___ Anisotropic	___ isotropic	___ Wollastonite ___
		/ CaCO 70
Synthetics ___ %	Glass Fibers ___ %	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment T-3% CHRY; 70% CO; 27% BUR
M-7% CHRY; 3% CGC; 18% CO; 72% BUR

FINAL ANALYSIS 3% CHRY; 70% CO; 27% BUR

Analyst [signature] Date 7/16/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 4 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client: DYNAMAK ~~Purchase~~ Charge Order # 6EGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 4&5 Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 367716 Lab Sample ID # 7447-4

Sample Description Floor tile

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown ___ Black FT+M Green ___ Blue ___ Other Gray FT

Friable ___ Solid X Paper ___ Tile X Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 5 % NONFIBROUS 95 % HOMOGENEOUS: Y X

TEXTURE: S/LF

ESTIMATED FIBROUS CONSTITUENTS Ft: 2% Chr M: 3% Chr

PLM ANALYSIS

Chrysotile X %	Amosite ___ %	Crocidolite ___ %
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II 1.549 ⊥ 1.540	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ⊥ ___	η II ___ η ⊥ ___
Cellulose ___ %	Mineral Wool ___ %	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	___ Quartz ___
___ Anisotropic	___ isotropic	___ Wollastonite ___
		X CaCO 70
Synthetics ___ %	Glass Fibers ___ %	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment Ft: 2% CHRY; 70% CO; 28% BOR
M: 3% CHRY; 20% CO; 70% BOR

FINAL ANALYSIS 2% CHRY; 70% CO; 28% BOR

Analyst [signature] Date 07/16/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 5 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 36772 Lab Sample ID # 7447-5

Sample Description plum tell

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown ___ Black X Green Lt Green FT Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile X Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 5 % NONFIBROUS 95 % HOMOGENEOUS: Y N

TEXTURE: Sm / LT

ESTIMATED FIBROUS CONSTITUENTS FT: 2% Chry TM: 3% Chry

PLM ANALYSIS

Chrysotile X %	Amosite ___ %	Crocidolite ___ %
Wavy Fibers	Straight Fibers	Straight Fibers
Sign of Elongation (+)	Sign of Elongation (+)	Sign of Elongation (-)
Parallel Extinction	Parallel Extinction	Parallel Extinction
Perpendicular Extinction	Perpendicular Extinction	Perpendicular Extinction
Birefringence - L.M.H.	Birefringence - L.M.H.	Birefringence - L.M.H.
ω blue ε yellow	ω blue ε yellow	ω Tan ε Blue
D.St. - II Mag. - ⊥ Blue	D.St. - II Gold - ⊥ Blue	D.St. - II Yellow - ⊥ Yellow
Becke Line Used	pleochroic @ 40X	pleochroic @ 40X
η II 1.537 η ⊥ 1.538	Becke Line Used	Becke Line Used
Pleochroic @ 40X	η II ___ η ⊥ ___	η II ___ η ⊥ ___
Cellulose ___ %	Mineral Wool ___ %	Perlite ___
Flat Twisted fibers	irregular shapes	Quartz ___
Anisotropic	isotropic	Wollastonite ___
		CaCO ___
Synthetics ___ %	Glass Fibers ___ %	CaSO ___
even edges	staight fibers	Mica ___
high birefringence	isotropic	Other ___

Comments / Special Treatment T= 2% CHRY; 70% GCO; 28% BOR
M= 5% CHRY; 20% GCO; 75% BOR

FINAL ANALYSIS 2% CHRY; 70% GCO; 28% BOR

Analyst [signature] Date 07/15/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 6 of 24

BORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 48S Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 36764 Lab Sample ID # 7447-6

Sample Description floor tile

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown M Black M Green FT Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile X Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL 5 % NONFIBROUS 95 % HOMOGENEOUS: Y N

could not separate mastic by color TEXTURE: Inf Lf

ESTIMATED FIBROUS CONSTITUENTS FT 2% chry M 3% chry

PLM ANALYSIS

Chrysotile ___ %	Amosite ___ %	Crocidolite ___ %
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (-)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - _I_ Blue	___ D.St. - II Gold - _I_ Blue	___ D.St. - II Yellow - _I_ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η _I_ ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η _I_ ___	η II ___ η _I_ ___
Cellulose ___ %	Mineral Wool ___ %	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	___ Quartz ___
___ Anisotropic	___ isotropic	___ Wollastonite ___
		___ CaCO ___
Synthetics ___ %	Glass Fibers ___ %	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment FT 5% CHRY; 70% CO; 25% FOR

M - ~~TR CHRY; 10% CO; 20% QTZ; 70% FOR~~ / M - ~~TR CHRY; 10% CO; 10% QTZ; 80% FOR~~

FINAL ANALYSIS 5% CHRY; 70% CO; 25% FOR

Analyst [signature] Date 07/6/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 7 of 24

LABORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EEGS-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 346757 Lab Sample ID # 7447-7

Sample Description Ceiling tile

STEREOSCOPIC ANALYSIS

White X Yellow ____ Tan ____ Brown ____ Black ____ Green ____ Blue ____ Other paper

Friable X Solid ____ Paper ____ Tile ____ Plaster ____ Paint ____ Other ____

FIBROUS MATERIAL 90 % NONFIBROUS 10 % HOMOGENEOUS: Y N X

TEXTURE: Sib.

ESTIMATED FIBROUS CONSTITUENTS 80% cell 10% fg

PLM ANALYSIS

Chrysotile ____ %	Amosite ____ %	Crocidolite ____ %
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ____ η ___ ____	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ____ η ___ ____	η II ____ η ___ ____
✓ Cellulose 75 %	Mineral Wool ____ %	✓ Perlite 20
✓ Flat Twisted fibers	___ irregular shapes	✓ Quartz 5
___ Anisotropic	___ isotropic	___ Wollastonite
		___ CaCO
Synthetics ____ %	Glass Fibers 50 %	___ CaSO
___ even edges	___ staight fibers	___ Mica
___ high birefringence	___ isotropic	___ Other

Comments / Special Treatment

FINAL ANALYSIS 75 Cell; 50 FG; 20 Perl; 5 Qtz

Analyst [signature] Date 07/15/94 2nd Party (if needed)

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 8 of 24

BORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # 6E65-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/94

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 3167164 Lab Sample ID # 7447-8

Sample Description plum tile

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown ___ Black X Green ___ Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile X Plaster ___ Paint ___ Other ___

FIBROUS MATERIAL ___% NONFIBROUS 100% HOMOGENEOUS: Y N

TEXTURE: ___

ESTIMATED FIBROUS CONSTITUENTS NFR

PLM ANALYSIS

Chrysotile 5 %	Amosite ___ %	Crocidolite ___ %
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - ___ Blue	___ D.St. - II Gold - ___ Blue	___ D.St. - II Yellow - ___ Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II 1.547 ⊥ 1.542	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η ⊥ ___	η II ___ η ⊥ ___
Cellulose ___ %	Mineral Wool ___ %	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	___ Quartz ___
___ Anisotropic	___ isotropic	___ Wollastonite ___
		___ CaCO ___
Synthetics ___ %	Glass Fibers ___ %	___ CaSO ___
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment ___

FINAL ANALYSIS 5% CHRY; 60% CO; 35% BOR

Analyst [illegible] Date 7/15/94 2nd Party (if needed) ___

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ENVIRONMENTAL MANAGEMENT CONSULTANTS

Lab # 7447 Account # 20-341 Page 9 of 24

BORATORY ANALYSIS OF BULK ASBESTOS: Method Interim EPA 600/M4-82-020

Client DYNAMAK ~~Purchase~~ Charge Order # EE65-013

Reported To Bruce Zike By Order Of Client

Sampled From NAFEC 485 Sampled By Client Date 7/1/9

Shipped Via Federal Express Date Received 7/05/94

Client Sample ID # 367163 Lab Sample ID # 7447-9

Sample Description plaster

STEREOSCOPIC ANALYSIS

White ___ Yellow ___ Tan ___ Brown ___ Black ___ Green ___ Blue ___ Other ___

Friable ___ Solid X Paper ___ Tile ___ Plaster ___ Paint green Other ___

FIBROUS MATERIAL 2 % NONFIBROUS 98 % HOMOGENEOUS: Y N

TEXTURE: Sp

ESTIMATED FIBROUS CONSTITUENTS 2% Cell

PLM ANALYSIS

Chrysotile ___%	Amosite ___%	Crocidolite ___%
___ Wavy Fibers	___ Straight Fibers	___ Straight Fibers
___ Sign of Elongation (+)	___ Sign of Elongation (+)	___ Sign of Elongation (-)
___ Parallel Extinction	___ Parallel Extinction	___ Parallel Extinction
___ Perpendicular Extinction	___ Perpendicular Extinction	___ Perpendicular Extinction
___ Birefringence - L.M.H.	___ Birefringence - L.M.H.	___ Birefringence - L.M.H.
___ ω blue ε yellow	___ ω blue ε yellow	___ ω Tan ε Blue
___ D.St. - II Mag. - || Blue	___ D.St. - II Gold - || Blue	___ D.St. - II Yellow - || Yellow
___ Becke Line Used	___ pleochroic @ 40X	___ pleochroic @ 40X
η II ___ η || ___	___ Becke Line Used	___ Becke Line Used
___ Pleochroic @ 40X	η II ___ η || ___	η II ___ η || ___
Cellulose ___%	Mineral Wool ___%	___ Perlite ___
___ Flat Twisted fibers	___ irregular shapes	X Quartz 30
___ Anisotropic	___ isotropic	___ Wollastonite ___
		___ CaCO ___
Synthetics ___%	Glass Fibers ___%	X CaSO 70
___ even edges	___ staight fibers	___ Mica ___
___ high birefringence	___ isotropic	___ Other ___

Comments / Special Treatment

FINAL ANALYSIS 30% Qtz 70% GYP

Analyst [illegible] Date 7/8/94

2nd Party (if needed)

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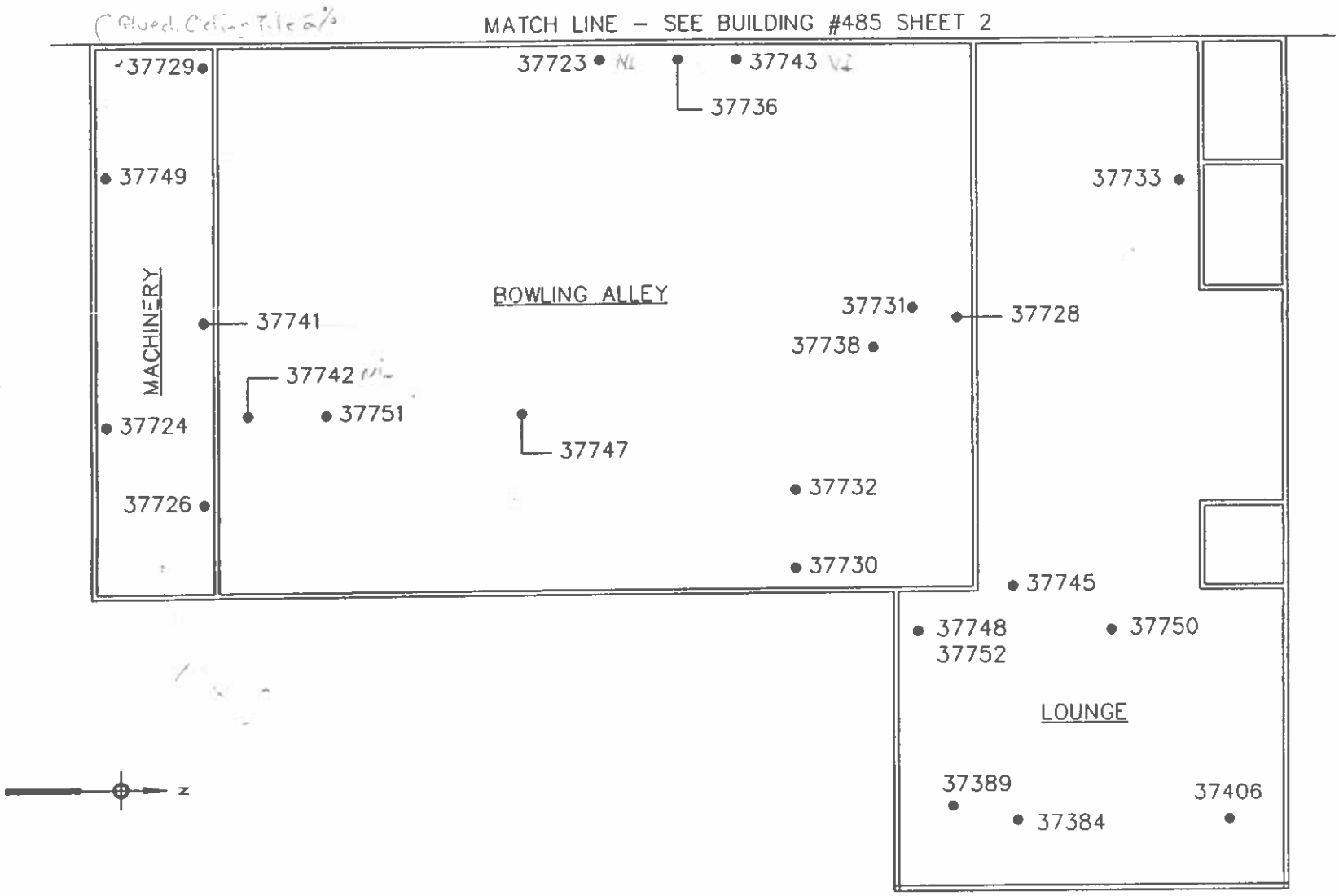


SCALE: 1/16"=1'-0"

0 1 5 10 15

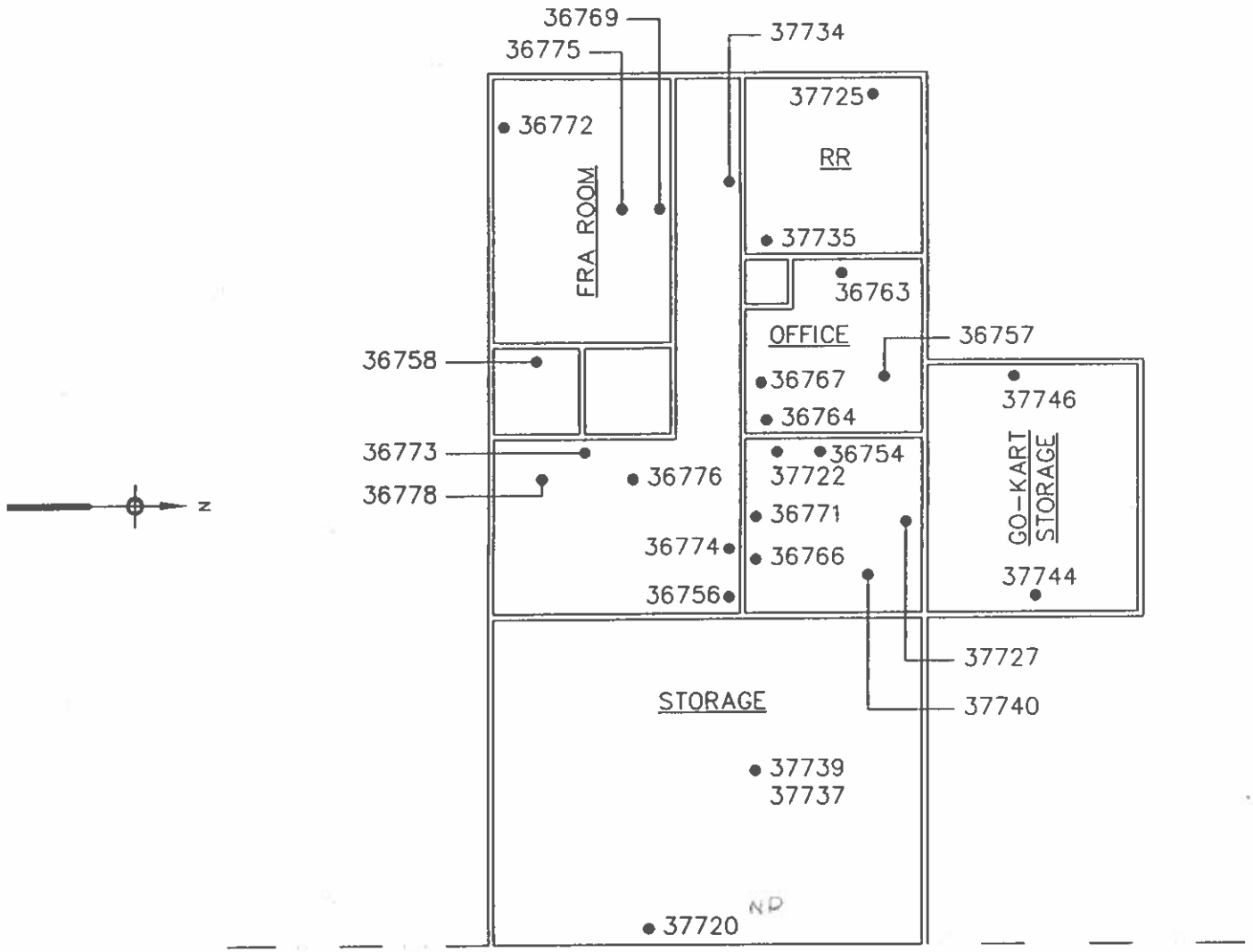
BUILDING #485

ASBESTOS SURVEY
NAVAL AIR STATION
EL CENTRO, CALIFORNIA

CONTRACT #: N68711-93-D-1451
D.O. # 0001

M&E METCALF & EDDY

SHEET 1 OF 4



MATCH LINE – SEE BUILDING #485 SHEET 1

SCALE: 1/16"=1'-0"

0 1 5 10 15

BUILDING #485

ASBESTOS SURVEY
NAVAL AIR STATION
EL CENTRO, CALIFORNIA

CONTRACT #: N68711-93-D-1451
D.O. # 0001

M&E METCALF & EDDY

SHEET 2 OF 4

LAB #	SAMPLE #	TYPE OF MAT	CONDITION OF MAT	QUANTITY OF MAT	% COMPOSITION	COMPOSITION
01a	37735	VT	05	250 SQ FT	5%	CH
01b	37735	MA	05	250 SQ FT	2%	CH
–	37750	SW	05	NA	NA	NA
02	36773	SW	05	ND	ND	ND
08	36758	SW	05	ND	ND	ND
09	36771	SW	05	ND	ND	ND
–	37733	SW	05	NA	NA	NA
03a	36774	VT	05	240 SQ FT	3%	CH
03b	36774	MA	05	240 SQ FT	TRACE	CH
–	36756	VT	05	NA	NA	NA
04a	36776	VT	05	300 SQ FT	2%	CH
04b	36776	MA	05	300 SQ FT	10%	CH
–	36778	VT	05	NA	NA	NA
–	36769	VT	05	NA	NA	NA
05a	36772	VT	05	20 SQ FT	2%	CH
05b	36772	MA	05	20 SQ FT	5%	CH
06a	36764	VT	05	300 SQ FT	5%	CH
06b	36764	MA	05	300 SQ FT	TRACE	CH
06c	36764	MA	05	300 SQ FT	TRACE	CH
–	36767	VT	05	NA	NA	NA
07	36757	ST	05	ND	ND	ND
10	37734	ST	05	ND	ND	ND
11	36775	ST	05	ND	ND	ND
–	37721	ST	05	NA	NA	NA
08	36766	VT	05	400 SQ FT	5%	CH
–	36754	VT	05	NA	NA	NA
09	36763	SW	05	ND	ND	ND
12	37725	SW	05	ND	ND	ND
13	37720	SW	05	ND	ND	ND
10	37740	ST	05	ND	ND	ND
01	37727	ST	05	ND	ND	ND

SCALE: NONE

BUILDING #485

ASBESTOS SURVEY
NAVAL AIR STATION
EL CENTRO, CALIFORNIA

CONTRACT #: N68711-93-D-1451
D.O. # 0001

M&E METCALF & EDDY

SHEET 3 OF 4

016049 0003 BLDG485C.DWG

LAB #	SAMPLE #	TYPE OF MAT	CONDITION OF MAT	QUANTITY OF MAT	% COMPOSITION	COMPOSITION
02	37722	ST	05	ND	ND	ND
11	37739	SC	05	ND	ND	ND
12	37737	SC	05	ND	ND	ND
13	37723	MA	05	ND	ND	ND
14	37736	MA	05	ND	ND	ND
15	37738	ST	05	ND	ND	ND
03	37731	ST	05	ND	ND	ND
04	37742	ST	05	ND	ND	ND
–	37751	ST	05	NA	NA	NA
–	37747	ST	05	NA	NA	NA
16	37728	MA	05	ND	ND	ND
17a	37732	VT	05	700 SQ FT	2%	CH
17b	37732	MA	05	700 SQ FT	5%	CH
–	37730	VT	05	NA	NA	NA
18a	37729	GT	05	ND	ND	ND
18b	37729	GT	05	2900 SQ FT	2%	TR
–	37726	GT	05	NA	NA	NA
–	37724	GT	05	NA	NA	NA
–	37741	GT	05	NA	NA	NA
–	37749	GT	05	NA	NA	NA
19	37743	MA	05	ND	ND	ND
20a	37748	VT	05	ND	ND	ND
20b	37748	VT	05	ND	ND	ND
21	37745	VT	05	ND	ND	ND
22	37752	MA	05	ND	ND	ND
23	37744	SW	05	ND	ND	ND
05	37746	SW	05	ND	ND	ND
24	37389	ST	05	ND	ND	ND
06	37384	ST	05	ND	ND	ND
07	37406	ST	05	ND	ND	ND

SCALE: NONE

BUILDING #485

ASBESTOS SURVEY
NAVAL AIR STATION
EL CENTRO, CALIFORNIA

CONTRACT #: N68711-93-D-1451
D.O. # 0001

M&E METCALF & EDDY

TABLE 2. RESULTS AND RECOMMENDATIONS OF ASBESTOS SURVEY

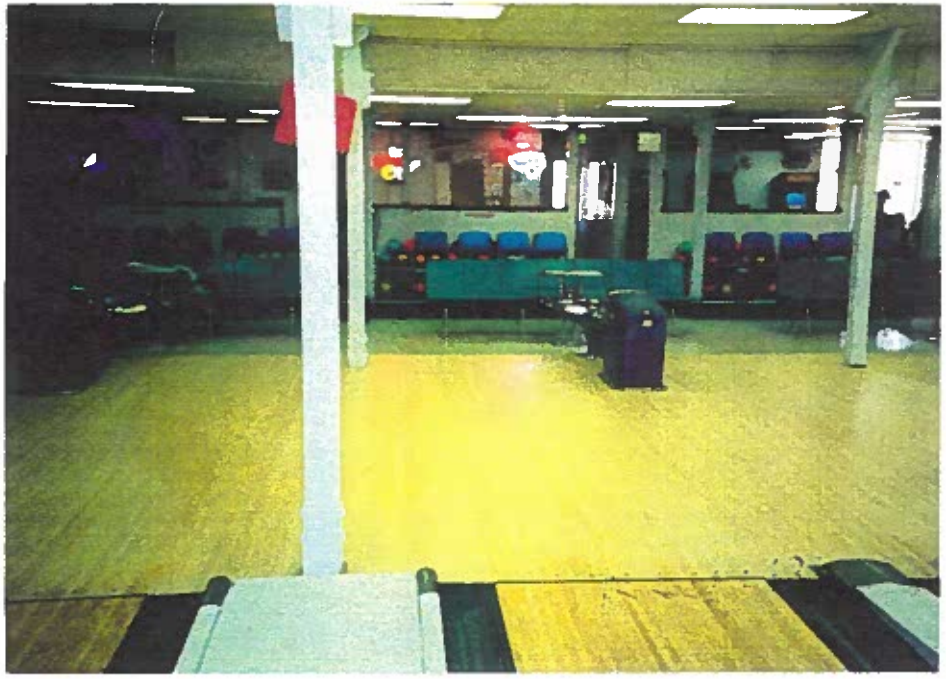
BUILDING NUMBER	SAMPLE AREA	SAMPLE NUMBER	MATERIAL TYPE	AMOUNT OF... MATERIAL	MEASUREMENT....	TYPE OF..... ASBESTOS	PERCENT. ASBESTOS	COMMENTS.....	RECOMMENDED ACTION	FACILITY RATING.. SCORE
485	01	37735	VINYL FLOOR TILES	250	SQUARE FEET	CHRYSOTILE	5	9" X 9" GREEN FLOOR TILE IN GOOD CONDITION. TILE AND MASTIC ARE BOTH POSITIVE.	O&M PROGRAM	31.5
485	02	37750	SMOOTH WALL	10000	SQUARE FEET	NOT ANALYZED		SHEETROCK WALLS IN GOOD CONDITION. RECOMMEND ADDITIONAL SAMPLING BEFORE RENOVATION.	O&M PROGRAM	37.8
		36773				NONE DETECTED				
		36758				NONE DETECTED				
		36771				NONE DETECTED				
		37733				NOT ANALYZED				
		NONE				ASSUMED ACM				
485	03	36774	VINYL FLOOR TILES	240	SQUARE FEET	CHRYSOTILE	3	12" X 12" GREY VINYL FLOOR TILE WITH BLACK AND WHITE SPECKS. MATERIAL IS IN GOOD CONDITION. MASTIC CONTAINS A TRACE OF ASBESTOS.	O&M PROGRAM	31.5
		36756				NOT ANALYZED				
485	04	36776	VINYL FLOOR TILES	300	SQUARE FEET	CHRYSOTILE	10	12" X 12" GREY VINYL FLOOR TILE WITH RED AND WHITE STREAKS. MATERIAL IS IN GOOD CONDITION. TILE AND MASTIC ARE BOTH POSITIVE.	O&M PROGRAM	42
		36778				NOT ANALYZED				
		36769				NOT ANALYZED				
485	05	36772	VINYL FLOOR TILES	20	SQUARE FEET	CHRYSOTILE	5	12" X 12" LIGHTER GREY VINYL FLOOR TILE IN GOOD CONDITION. TILE AND MASTIC ARE BOTH POSITIVE.	O&M PROGRAM	31.5
485	06	36764	VINYL FLOOR	300	SQUARE FEET	CHRYSOTILE	5	9" X 9" DARKER GREEN	O&M PROGRAM	31.5

Bldg 485, Rear Meeting Rooms, FT x3, BB, SW

Bldg 485, Rear Meeting Rooms, FT, BB, SW

Bldg 485, Rear Offices, FT, BB, SW

Bldg 485, Former Kitchen, SW, RF



Bldg 485, Bowling Room FT, SC, SW

Bldg 485, Bowling Room Lanes SC, BB

EL CENTRO ASBESTOS SURVEY FORM

Pictures from 1-5
6-13 bowling + offices

BUILDING # 485 DATE INSPECTED 6/22/94 SQUARE FEET 11610

BUILDING TYPE Housing/Comm FACILITY CRITICALITY non-essential

AREA CODE	LOCATION	EXPOSURE POTENTIAL	AREA USE	FORM	FRIABILITY	CONDITION	FUNCT	AMOUNT [S] OR [L]	PIPE	SAMPLE #	COLLECTED BY	COMMENTS
01	Restroom at west end of bldg.	AO	RR	PR	N	05	VT	250 [S]	Diameter Fillings	37735 6 CH	WB	9"x9" green floor tile
02	EB	AO	EB	PR	N	05	SW	10000 [S]	Diameter Fillings	37750 ~~36773~~ 36758 36771 37733	NO NO NO	Sheetrock walls
03	Hallway at west end of bldg	AO	HA	PR	N	05	VT	240 [S]	Diameter Fillings	36774 36756	3 CH	12"x12" grey vinyl floortile with black and white specks.
04	FRA room and adjacent open raised area	AO	OF	PR	N	05	VT	300 [S]	Diameter Fillings	36776 36778 36769	N CH	12"x12" grey vinyl tile with red and white streaks.
05	FRA room -northwest corner	AO	OF	PR	N	05	VT	20 [S]	Diameter Fillings	36772 5 CH	↓	12"x12" lighter grey vinyl floor tile.

DATE 6/22/94 INSPECTED BY Eric Duelfgen SIGNATURE [signature]

EL CENTRO ASBESTOS SURVEY FORM

BUILDING # 485 DATE INSPECTED 6/22/94 SQUARE FEET 11610

BUILDING TYPE Housing/Comm FACILITY CRITICALITY non-essential

AREA CODE	LOCATION	EXPOSURE POTENTIAL	AREA USE	FORM	FRIABILITY	CONDITION	FUNCT	AMOUNT [S] OR [L]	PIPE	SAMPLE #	COLLECTED BY	COMMENTS
06	Janitor's closet and office adjacent to restroom at west end of bldg	AO	OF	~~RT~~ PR	N	05	VT	300 [S]	Diameter / Fittings	36764 36767	WB	9"x9" darker green vinyl floor tile
07	Most of west end of building ~~bldg~~	AO	OF	PR	L	05	ST	500 [S]	Diameter / Fittings	36757 37734 36775 37721	ND ND ND	2'x4' gouge pattern suspended tile w/ lighter surface color and darker cross section
08	Office in west area	AO	OF	PR	N	05	VT	400 [S]	Diameter / Fittings	36766 36754	SCH	9"x9" black vinyl floor tile
09	Restroom, office, storage room adjacent to bowling alley	AO	OF	TO	N	05	SW	~~1200~~ 450 [S]	Diameter / Fittings	36763 37725 37720	ND ND ND	Plaster wall LATHE
10	Most of west end of building	AO	OF	~~R~~ PR	L	05	ST	300 [S]	Diameter / Fittings	37740 37727 37722	ND ND ND	2'x4' gouge pattern suspended tile with ~~lighter~~ darker surface and lighter cross section

DATE 6/22/94 INSPECTED BY Eric Dueltgen SIGNATURE

EL CENTRO ASBESTOS SURVEY FORM

BUILDING # 485 DATE INSPECTED 6/22/94 SQUARE FEET 11610

BUILDING TYPE Housing/comm FACILITY CRITICALITY non-essential

AREA CODE	LOCATION	EXPOSURE POTENTIAL	AREA USE	FORM	FRIABILITY	CONDITION	FUNCT	AMOUNT [S] OR [L]	PIPE	SAMPLE #	COLLECTED BY	COMMENTS
11	Storage room west of bowling alley	AO	SA	PR	L	02	SC	1200 [S]	Diameter / Fillings	37739 ND	WB	Sheetrock ceiling - 3 layers. Approx 5sf damage.
12	"	AO	SA	PR	N	05	SC	1200 [S]	Diameter / Fillings	37737 ND		Tar paper above sheetrock
13	Bowling area	AO	GY	TO	N	05	MA	5 [S]	Diameter / Fillings	37723 ND		Mastic for brown base board
14	Spectator seating area and exit hall	AO	LO	TO	N	05	MA	15 [S]	Diameter / Fillings	37736 ND		Mastic for tan base board
15	Bowling area, lounge	AO	GY	PR	L	05	ST	~~5000~~ 4800 [S]	ND Diameter / Fillings	37738 37731 37742 37751 37747	ND ND	2'x4' Wormhole pattern suspended ceiling tile

DATE 6/22/94 INSPECTED BY Eric Duelfgen SIGNATURE

EL CENTRO ASBESTOS SURVEY FORM

BUILDING # 485 DATE INSPECTED 6/22/94 SQUARE FEET 11610

BUILDING TYPE Housing/comm FACILITY CRITICALITY non-essential

AREA CODE	LOCATION	EXPOSURE POTENTIAL	AREA USE	FORM	FRIABILITY	CONDITION	FUNCT	AMOUNT [S] OR [L]	PIPE	SAMPLE #	COLLECTED BY	COMMENTS
16	Spectator area and lounge	AO	LO	TO	N	05	MA	500 [S]	Diameter Fillings	37728 ND	WB	Mastic for blue carpet
17	Spectator area and exit hallway	AO	LO	PR	N	05	VT	700 [S]	Diameter Fillings	37732 37730 37781	2CH QA	12"x12" tan floor tile
18	Bowling alley and pin setting area	AO	GY	PR	L	05	GT	2900 [S]	Diameter Fillings	37729 ~~37726~~ 37724 ~~37741~~ 37749		1'x1' glued ceiling and wall tile with gouges and mastic
19	Spectator area and near part & bowling alley	AO	LO	TO	N	05	MA	400 [S]	Diameter Fillings	37743	ND	Mastic for wall carpet
20	Lounge	AO	LO	PR	N	05	VT	1000 [S]	Diameter Fillings	37748 37745	ND ND	12"x12" blue vinyl floor tile

DATE 6/22/94 INSPECTED BY Eric Dueltgen SIGNATURE

EL CENTRO ASBESTOS SURVEY FORM

BUILDING # 485 DATE INSPECTED 6/22/94 SQUARE FEET 11610

BUILDING TYPE Housing/Comm FACILITY CRITICALITY non-essential

AREA CODE	LOCATION	EXPOSURE POTENTIAL	AREA USE	FORM	FRIABILITY	CONDITION	FUNCT	AMOUNT S OR L	PIPE	SAMPLE #	COLLECTED BY	COMMENTS
21	Lounge	AO	LO	TO	N	05	MA	10 S	Diameter Fillings	37752 ND	WB	Mastic for blue baseboard
22	Go-Cart storage room	AU	SA	PR	~~M~~ L	02 ~~05~~	SW	1200 S	Diameter Fillings	37744 37746	ND ND	Sheetrock walls and ceilings Some sagging of ceiling + some exposed edges on walls
23	Lounge	AO	LO	PR	L	05	ST	1200 S	Diameter Fillings	37389 37384 37406	ND ND ND	2'x4' gouge pattern suspended ceiling tile
									Diameter Fillings			
									Diameter Fillings			

11/22/94 INSPECTED BY Eric Dueltgen SIGNATURE E. Dueltgen

BUILDING DATA FORM

Building Number: 485

Inspector: Duelfgen / Budke

Building Type: Housing / Comm

Public Access: Yes

Facility Criticality: non-essential

Samples Collected: 52

Samples Analyzed:

Cat. Code:

Drawings Com:

Square Feet: 11610 .610

Date Inspected: 6/22/94

Year Built: 1944

Number of Areas: 23

Occupants: 5

Exposed: 100

Prop. Rec. No.:

Drawings Rec.:

Contains ACM:

Building Use: Bowling alley, ~~and~~ lounge, offices

Description: Concrete slab with concrete block walls

Material Description:	Location:
Wood baseboard	EB
Fiberglass DI	EB
Concrete floor	SA adjacent to bowling
Uninsulated HVAC duct	"
Fiberglass suspended tile	FRA ~~and~~ room and office at northeast corner of west end of building
Wood floor	Bowling area
Brick walls	Lounge
Neoprene expansion joints	Outside in HVAC area

FIELD SURVEY CHECKLIST FOR SUSPECT ACM

Project Code: 6E65-01B

Building: 485

Date of Inspection: 6/22/94

Location: NAFEC

Inspection Team: Duelfgen / Budke

INSPECTED	YES	NO	Explanation required if "NO" suspect ACM
1. Boiler Room(s) (TSI)		✓	no boiler room
2 Boilers		✓	
3 Tanks		✓	
4 Pipes		✓	
5 Gaskets		✓	
6 Insulation fittings		✓	
7 Heat shields		✓	
8 Breech/stack insulation		✓	
9. Mechanical Rooms (TSI)		✓	- outside
10 Duct insulation		✓	- none
11 Expansion joints		✓	- non suspect
12 Air handlers		✓	- non suspect mtls
13. Electrical		✓	- no suspect mtls found
14 Switch boards		✓	
15 Heat shields		✓	
16 Wire insulation		✓	
17. General			
18 Beam insulation		✓	
19 Suspended ceilings	✓		
20 Subceilings/Decking	✓		
21 Crawl Space		✓	- none
22 Pipespaces		✓	- none
23 Attic		✓	- none
24 Fire Doors		✓	- none found
25 Floor covering material	✓		
26 Wall material	✓		
27. HVAC Components		✓	
28 Radiators		✓	- none
29 In-wall heaters		✓	- none
30 Surfacing material		✓	- none
31 Weather proofing		✓	- none
32. Other		✓	- none found
33 Bunsen burner pads			
34 Curtains			
35 Ovens/Kilns			
36 Welding gloves			
37			
38			
39			

Team Leader: Eric Duelfgen

Sign: [signature]

Date: 6/22/94

FIELD SURVEY QC CHECKLIST

ling: 485 Project Code: 6E65-01B

Location: NAFEC

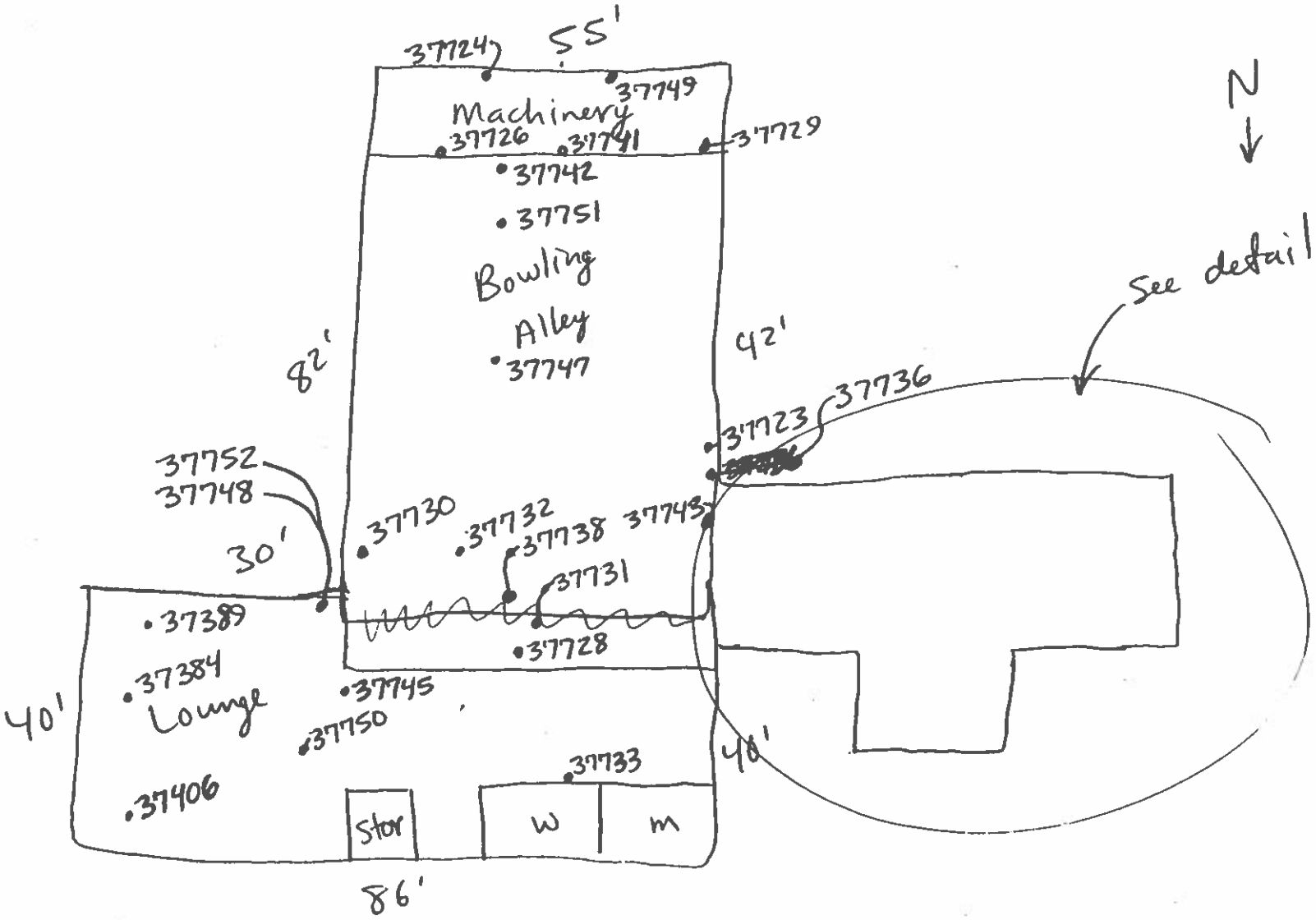
	DATE	INITIAL	COMMENTS
1. Visually compare sample material with written description for obvious discrepancies.	6/22	EW	
2. Record all sample numbers on submittal sheet (chain of custody).			
3. Locate all samples of suspect ACM on drawings and code.	6/22	EW	
4. Record and code all samples of suspect ACM on sampling area form.	6/22	EW	
5. Collect and record administrative information	6/22	EW	
6. Verify completeness of data: Compare sample number inventory with sample numbers recorded on sample form.	6/22	EW	

Team Leader: Eric Duelfgen

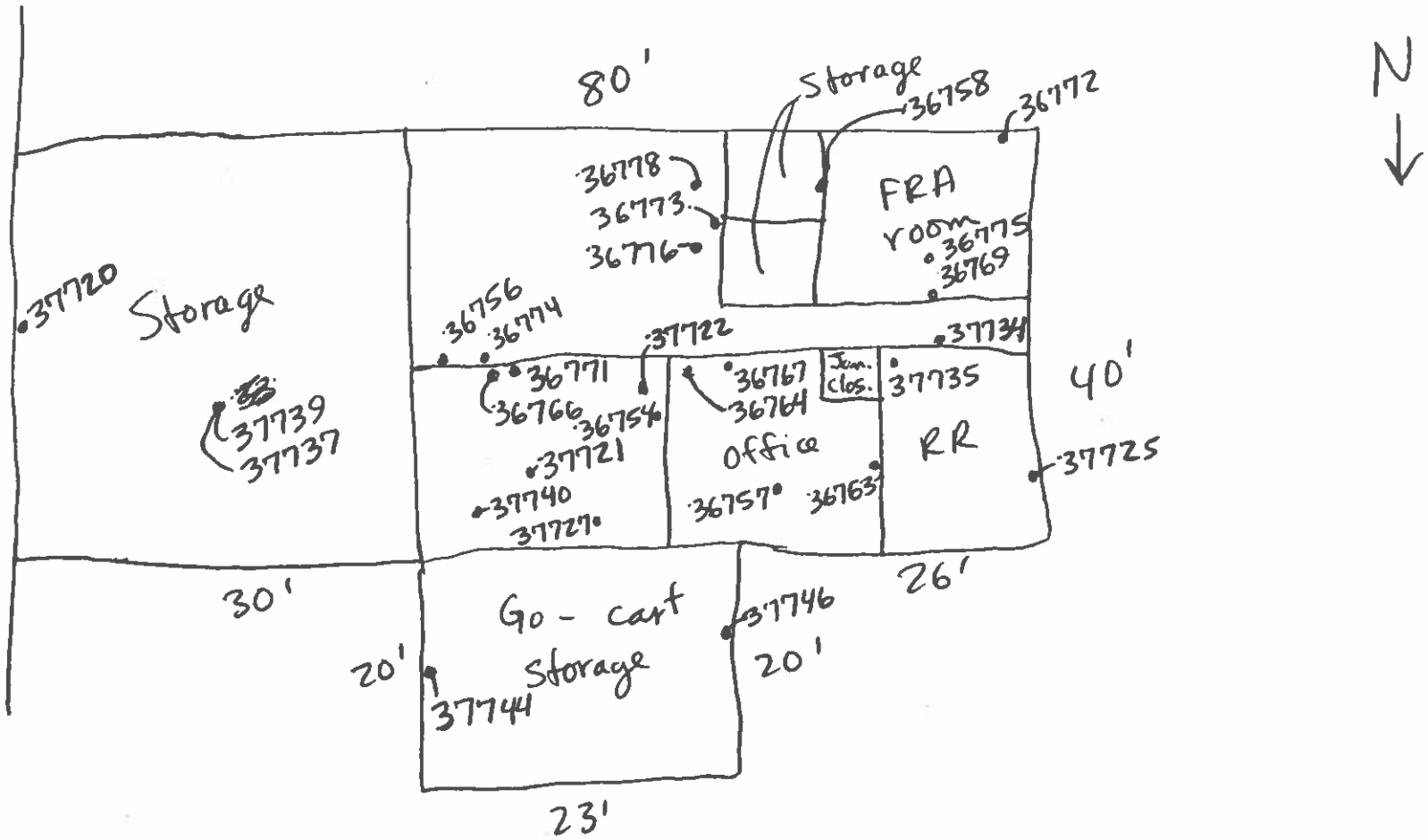
Sign: EW

Date: 6/22/94

485


55'
37724
37749
Machinery
37726
37741
37729
37742
37751
Bowling
Alley
37747
82'
42'
N
See detail
37736
37723
37752
37748
30'
37730
37732
37738
37743
37731
37728
37389
37384
Lounge
37745
37750
40'
40'
37733
37406
Stor
W
M
86'

Bldg 485 detail



DYNAMAC CORPORATION Chain of Custody

485

Return this completed form and lab results to:

Dynamac Corporation
10190 Systems Parkway
Suite 110
Sacramento, CA 95827

Project Name: NAFEC
Site Name: "
Inspector: Duelfgen / Burke

Date: 7/1/94

Charge Number: 6E65-01B

Test Method (circle as appropriate): PLM PCM TEM

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
37727	Ceiling tile	37732	Floor tile
37722	Ceiling tile	37730	Floor tile
37739	Sheetrock	37729	Ceiling tile and mastic
37737	Tar paper	37726	Ceiling tile and mastic
37723	Baseboard mastic	37724	Ceiling tile and mastic
37736	Baseboard mastic	37741	Ceiling tile and mastic
37738	Ceiling tile	37749	Ceiling tile and mastic
37731	Ceiling tile	37743	Carpet mastic
37742	Ceiling tile	37748	Floor tile
37751	Ceiling tile	37745	Floor tile
37747	Ceiling tile	37752	Baseboard mastic
37728	Carpet mastic	37744	Sheetrock

Relinquished by:		Received by:		Date/Time
Name: Eric Duelfgen	Signature:	Name:	Signature:	
Company: DYNAMAC CORPORATION		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		

DYNAMAC CORPORATION — Chain of Custody

485

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10190 Systems Parkway
Suite 110
Sacramento, CA 95827

Project Name: NAFEC
Site Name: "
Inspector: Dueltgen / Budke

Date: 7/1/94

Charge Number: 6E65-01B

Test Method (circle as appropriate): PLM PCM TEM

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
37746	Sheetrock		
37389	Ceiling tile		
37384	Ceiling tile		
37406	Ceiling tile		

Relinquished by:		Received by:		Date/Time
Name: Eric Dueltgen	Signature:	Name:	Signature:	
Company: DYNAMAC CORPORATION		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		

DYNAMAC CORPORATION — Chain of Custody

485

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Dynamac Corporation
10190 Systems Parkway
Suite 110
Sacramento, CA 95827

Project Name: NAFEC
Site Name: "
Inspector: Duettgen/Burke

Date: 7/1/94

Charge Number: 6E65-01B

Test Method (circle as appropriate): (PLM) PCM TEM

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
37735	Floor tile	36764	Floor tile
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
36773	Sheetrock	36757	Ceiling tile
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
36774	Floor tile	36766	Floor tile
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
36776	Floor tile	36763	Plaster
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~
36772	Floor tile	37740	Ceiling tile

Relinquished by:		Received by:		Date/Time
Name: Eric Duettgen	Signature: [signature]	Name:	Signature:	
Company: DYNAMAC CORPORATION		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		

DYNAMAC CORPORATION — Chain of Custody

485

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Dynamac Corporation
10190 Systems Parkway
Suite 110
Sacramento, CA 95827

Project Name: NAFEC
Site Name: "
Inspector: Duelfgen / Burke

Date: 7/1/94

Charge Number: 6E65-01B

Test Method (circle as appropriate): PLM PCM TEM

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
~~37727~~	~~Ceiling tile~~	37732	Floor tile
~~37722~~	~~Ceiling tile~~	~~37730~~	~~Floor tile~~
37739	Sheetrock	37729	Ceiling tile and mastic
37737	Tar paper	~~37731~~	~~Ceiling tile and mastic~~
37723	Baseboard mastic	~~37734~~	~~Ceiling tile and mastic~~
37736	Baseboard mastic	~~37741~~	~~Ceiling tile and mastic~~
37738	Ceiling tile	~~37749~~	~~Ceiling tile and mastic~~
~~37721~~	~~Ceiling tile~~	37743	Carpet mastic
~~37742~~	~~Ceiling tile~~	37748	Floor tile
~~37751~~	~~Ceiling tile~~	37745	Floor tile
~~37747~~	~~Ceiling tile~~	37752	Baseboard mastic
37728	Carpet mastic	37744	Sheetrock

Relinquished by:		Received by:		Date/Time
Name: Eric Duelfgen	Signature:	Name:	Signature:	
Company: DYNAMAC CORPORATION		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		

DYNAMAC CORPORATION — Chain of Custody

485

Return this completed form and lab results to:

Dynamac Corporation
10190 Systems Parkway
Suite 110
Sacramento, CA 95827

Project Name: NAFEC
Site Name: "
Inspector: Duelfgen / Budke

Date: 7/1/94

Charge Number: 6E65-01B

Test Method (circle as appropriate): PLM PCM TEM

SAMPLE #	DESCRIPTION	SAMPLE #	DESCRIPTION
~~37744~~	~~Sheetrock~~		
37389	Ceiling tile		
~~37384~~	~~Ceiling tile~~		
~~37400~~	~~Ceiling tile~~		

Relinquished by:		Received by:		Date/Time
Name: Eric Duelfgen	Signature:	Name:	Signature:	
Company: DYNAMAC CORPORATION		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		
Name:	Signature:	Name:	Signature:	
Company:		Company:		