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Science, Inspection & Testing Services



60th Anniversary

1946 - 2006

Converse Consultants

Geotechnical Engineering, Environmental & Groundwater

October 13, 2006

06-43350-31

Mr. Don Lowder
Clark County Real Property Management
500 South Grand Central Parkway, 4th Floor
Las Vegas, NV 89106

Subject: **Asbestos Consulting Services**
Bridger and Centennial Buildings
225 Bridger Avenue and 310 South 3rd Street
Las Vegas, Nevada

Dear Mr. Lowder:

Per your request and authorization, Converse Consultants (Converse) is providing information regarding the asbestos abatement of the Bridger building and the asbestos survey of the Centennial building (Report dated August 18, 1999, Project No. 99-43324-07).

The Bridger building was completely abated of interior asbestos containing materials (ACMs). The remaining ACM included roof mastic which was found around protrusions on the roof of the Bridger building.

The laboratory reported no asbestos greater than 1% in the samples collected from the Centennial building and submitted for laboratory analysis. At the time of the survey of the Centennial building, the 1st floor, south section of the Bridger building was used by Centennial building employees. Three samples collected from ACM structural fire proofing in the ceiling cavity from the 1st floor south section of the Bridger building was included in the Centennial survey report. The fire proofing in this section was removed during asbestos abatement activities for the Bridger building.

However, trace (<1%) asbestos was detected in drywall joint compound, a grey cementitious wall material and a black roofing material in the Centennial building.

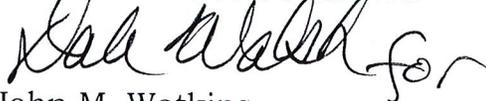
The trace asbestos materials (joint compound, grey cementitious material, and black roofing material) may remain in place during the Centennial building demolition because they are not ACM per EPA definition. The demolition contractor should comply with the Nevada Administration Code (NAC) 618.951 and OSHA Construction Industry Regulations 29 CFR 1926.1101 because the amount of exposure to airborne asbestos fibers due to the trace amounts of asbestos detected in some building materials is unknown. Among other things, these regulations require the demolition contractor employees to be properly asbestos trained (Class II – 8 hour class) and protected. In addition, air sampling is required to assess exposures. If sampling shows exposures below the OSHA 8-hour time weighted average (TWA) permissible exposure limit (PEL) of 0.1 fibers per cubic centimeter (f/cc) and the 30 minute excursion limit (EL) of 1.0 f/cc then the use of personal protective equipment (PPE) may cease.

The Bridger building and the Centennial building may undergo demolition activities with the above mentioned constraints on the Bridger building roof and entire Centennial building.

If you have any questions regarding this information, please contact us at your convenience.

Sincerely,

CONVERSE CONSULTANTS



John M. Watkins
Senior Geologist
Nevada License No. IMP 0199

JMW:gm

Encl: Laboratory Reports
Sample Locations Map

Dist: 4/Addressee



Converse Consultants

Over 50 Years of Dedication in Geotechnical Engineering and Environmental Sciences

POLARIZED LIGHT MICROSCOPY ANALYSIS REPORT

Client: CONVERSE CONSULTANTS
731 PILOT ROAD, SUITE H
LAS VEGAS, NEVADA 89119

Account: N/A
Contact: JOHN WATKINS
Project No: 99-43324-07 CENTENNIAL
310 3RD STREET

Date Received: 8/5/99
Date Analyzed: 8/6/99
Date Prepared: 8/6/99
Reported To: JOHN WATKINS
Submitted By: FED EX
Report No.: 71-69196
P.O. #: N/A

I certify that these results are accurate for the samples obtained and comply with accepted methods of analysis.


Lab Manager, Dan R. Dolk


Analyst, Dan R. Dolk

RESULTS: LAB SAMPLE # LAB DESCRIPTION LOCATION	CLIENT SAMPLE #	PERCENT & TYPE OF ASBESTOS	PERCENT & TYPE OF NON-ASBESTOS	LAYER* (H APPEARANCE* F-NF
69196 Grey Ceiling Tile 1st Floor Central	310-CT-101	None Detected	20% Cellulose 70% Mineral Wool 5% Mineral Cleavages 5% Paint	I F
69197 Grey Ceiling Tile 1st Floor Central	310-CT-102	None Detected	15% Cellulose 75% Mineral Wool 5% Mineral Cleavages 5% Paint	I F
69198 Grey Ceiling Tile 1st Floor Central	310-CT-103	None Detected	20% Cellulose 70% Mineral Wool 5% Mineral Cleavages 5% Paint	I F
69199 Cream Fireproofing 1st Floor, East Side	310-SFP-104	5-10% Chrysotile	35% Gypsum 20% Mineral Cleavages 35% Vermiculite	I F
69200 Cream Fireproofing 1st Floor, Central	310-SFP-105	3-5% Chrysotile	35% Gypsum 20% Mineral Cleavages 40% Vermiculite	I F
69201 Cream Fireproofing 1st Floor, West Side	310-SFP-106	5-10% Chrysotile	35% Gypsum 20% Mineral Cleavages 35% Vermiculite	I F
69202A Grey Vinyl Floor Tile 1st Floor Records	310-FT-107A	None Detected	30% Carbonate Binders 70% Organic Binders	I NF

RESULTS: LAB SAMPLE # LAB DESCRIPTION LOCATION	CLIENT SAMPLE #	PERCENT & TYPE OF ASBESTOS	PERCENT & TYPE OF NON-ASBESTOS	LAYER* I-H APPEARANCE* F-NF
69202B Black Flooring 1st Floor Records	310-FT-107B	None Detected	50% Carbonate Binders 50% Organic Binders	I NF
69203A Cream Joint Compound 1st Floor Records	310-DW/JC-108A	None Detected	70% Carbonate Binders 30% Mineral Cleavages	I NF
69203B White Drywall 1st Floor Records	310-DW/JC-108B	None Detected	10% Cellulose <1% Glass Fibers 70% Gypsum <1% Mica 20% Mineral Cleavages	I F
69204A Cream Joint Compound 1st Floor Records	310-DW/JC-109A	None Detected	75% Carbonate Binders 25% Mineral Cleavages	I NF
69204B White Drywall 1st Floor Records	310-DW/JC-109B	None Detected	10% Cellulose <1% Glass Fibers 60% Gypsum 30% Mineral Cleavages	I F
69205A Cream Joint Compound 1st Floor Records	310-DW/JC-110A	<1% Chrysotile	65% Carbonate Binders 35% Mineral Cleavages	I F
69205B White Drywall 1st Floor Records	310-DW/JC-110B	None Detected	10% Cellulose <1% Glass Fibers 65% Gypsum 5% Mica 20% Mineral Cleavages	I F
69206 Grey Ceiling Tile 3rd Floor, East End	310-CT-111	None Detected	35% Cellulose 40% Mineral Wool 5% Paint 20% Perlite	I F
69207 Grey Ceiling Tile 3rd Floor, Central	310-CT-112	None Detected	30% Cellulose 55% Mineral Wool 5% Paint 10% Perlite	I F
69208 Grey Ceiling Tile 3rd Floor, West End	310-CT-113	None Detected	25% Cellulose 60% Mineral Wool <1% Mineral Cleavages 5% Paint 10% Perlite	I F
69209A Cream Joint Compound 3rd Floor, East End	310-DW/JC-114A	None Detected	85% Carbonate Binders 15% Mineral Cleavages	I NF
69209B White Drywall 3rd Floor, East End	310-DW/JC-114B	None Detected	5% Cellulose <1% Glass Fibers 70% Gypsum 25% Mineral Cleavages	I F

RESULTS: LAB SAMPLE # LAB DESCRIPTION LOCATION	CLIENT SAMPLE #	PERCENT & TYPE OF ASBESTOS	PERCENT & TYPE OF NON-ASBESTOS	LAYER* I:H APPEARANCE* F:NF
69210A Cream Texture 3rd Floor, Central	310-DW/JC-115A	None Detected	<1% Cellulose 85% Carbonate Binders 15% Mineral Cleavages	I F
69210B White Drywall 3rd Floor, Central	310-DW/JC-115B	None Detected	5% Cellulose <1% Glass Fibers 60% Gypsum 35% Mineral Cleavages	I F
69211A Cream Texture/J.C. 3rd Floor, West End	310-DW/JC-116A	None Detected	<1% Glass Fibers 70% Carbonate Binders 20% Mineral Cleavages 10% Paint	I F
69211B White Drywall 3rd Floor, West End	310-DW/JC-116B	None Detected	10% Cellulose <1% Glass Fibers 70% Gypsum 20% Mineral Cleavages	I F
69212A Light Grey Skimcoat 3rd Floor, East End Above Ceiling	310-IWP-117A	None Detected	25% Sulfate Binders 50% Aggregate 25% Mineral Cleavages	I NF
69212B Dark Grey Cementitious 3rd Floor, East End Above Ceiling	310-IWP-117B	<1% Chrysotile	40% Sulfate Binders 25% Aggregate 35% Mineral Cleavages	I F
69213 Cream Joint Compound 2nd Floor Next To Elevator	310-JC-118	None Detected	90% Carbonate Binders 10% Mineral Cleavages	I NF
69214 Grey Ceiling Tile 2nd Floor, East End	310-CT-121	None Detected	35% Cellulose 45% Mineral Wool 5% Paint 15% Perlite	I F
69215 Grey Ceiling Tile 2nd Floor, Central	310-CT-122	None Detected	50% Cellulose 35% Mineral Wool 5% Paint 10% Perlite	I F
69216 Grey Ceiling Tile 2nd Floor, West End	310-CT-123	None Detected	40% Cellulose 40% Mineral Wool 5% Paint 15% Perlite	I F
69217A Black Roofing Southwest	310-PR-124A	None Detected	40% Synthetic 30% Organic Binders 30% Mineral Cleavages	I F
69217B Black Roofing Southwest	310-PR-124B	None Detected	10% Synthetic 40% Organic Binders 50% Mineral Cleavages	I F
69217C Black Roofing Southwest	310-PR-124C	None Detected	40% Synthetic 45% Organic Binders 15% Mineral Cleavages	I F

RESULTS: LAB SAMPLE # LAB DESCRIPTION LOCATION	CLIENT SAMPLE #	PERCENT & TYPE OF ASBESTOS	PERCENT & TYPE OF NON-ASBESTOS	LAYER* I-H APPEARANCE* F-NF
69217D Black Roofing Southwest	310-PR-124D	None Detected	5% Cellulose 5% Synthetic 45% Organic Binders 45% Mineral Cleavages	I F
69217E Silver Paint Southwest	310-PR-124E	None Detected	5% Cellulose 35% Mineral Cleavages 60% Pigment	I F
69218A Black Roofing Northwest	310-PR-125A	None Detected	30% Synthetic 30% Organic Binders 25% Aggregate 15% Mineral Cleavages	I F
69218B Black Roofing Northwest	310-PR-125B	None Detected	<1% Cellulose 40% Organic Binders 60% Mineral Cleavages	I F
69218C Black Roofing Northwest	310-PR-125C	None Detected	40% Synthetic 30% Organic Binders 30% Mineral Cleavages	I F
69218D Black Roofing Northwest	310-PR-125D	<1% Chrysotile	55% Organic Binders 45% Mineral Cleavages	I F
69218E Black Roofing Northwest	310-PR-125E	None Detected	15% Synthetic 45% Organic Binders 40% Mineral Cleavages	I F
69218F Black Roofing Northwest	310-PR-125F	None Detected	30% Synthetic 40% Organic Binders 30% Mineral Cleavages	I F
69219 Black Roofing East	310-PR-126	None Detected	30% Synthetic 30% Organic Binders 20% Aggregate 20% Mineral Cleavages	I F
69220 Black Mastic Around Protrusion	310-RPI-127	None Detected	35% Cellulose 50% Organic Binders 15% Mineral Cleavages	I F
69221 Grey Cementitious East Wall, North End	310-EWP-128	<0.1% Chrysotile	<1% Cellulose 30% Sulfate Binders 30% Aggregate 40% Mineral Cleavages	I F
69222 Grey Cementitious East Wall, Central	310-EWP-129	None Detected	<1% Cellulose 35% Sulfate Binders 35% Aggregate 30% Mineral Cleavages	I F
69223 Grey Cementitious East Wall, South End	310-EWP-130	None Detected	<1% Cellulose <1% Synthetic 30% Sulfate Binders 30% Aggregate 40% Mineral Cleavages	I F



RESULTS: LAB SAMPLE # LAB DESCRIPTION LOCATION	CLIENT SAMPLE #	PERCENT & TYPE OF ASBESTOS	PERCENT & TYPE OF NON-ASBESTOS	LAYER* I-H APPEARANCE* F-NF
69224 Grey Cementitious 1st Floor Lobby	310-IWP-131	None Detected	<1% Cellulose 40% Sulfate Binders 25% Aggregate 35% Mineral Cleavages	I F
69225 Grey Cementitious 1st Floor Lobby	310-IWP-132	None Detected	<1% Cellulose 20% Carbonate Binders 35% Sulfate Binders 20% Aggregate 25% Mineral Cleavages	I F
69226 Grey Cementitious 1st Floor Lobby	310-IWP-133	None Detected	<1% Cellulose 35% Binders 30% Aggregate 35% Mineral Cleavages	I F

Attached are the results of analysis of bulk samples submitted for asbestos identification. Converse Consultants MR, Inc. follows EPA Method EPA/600/R-93/116; July, 1993.

Each sample was initially examined under a stereoscopic microscope at a magnification of 10x to 60x. Fibrous material was examined for morphology and content. Portions of each sample were immersed in a fluid with a known refractive index. The sample was examined under polarized light using a Nikon Labophot microscope with a McCrone Dispersion Staining objective under 100X magnification. Optical characteristics of the fibrous material were examined to determine the mineralogy of the fiber. The observed optical characteristics include angles of extinction, signs of elongation and dispersion staining colors. Asbestos fiber content is estimated by optically comparing the quantity of asbestos material and non-asbestos material to establish estimated percentages.

Bulk sampling may not have been performed by Converse Consultants personnel. No warranty is made as to the acceptability of sampling strategies.

Converse Consultants MR, Inc., is National Voluntary Laboratory Accreditation Program accredited. Our NVLAP Laboratory I.D. Number is 102091. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report must not be reproduced except in full without the approval of the laboratory. This report relates only to the items tested.

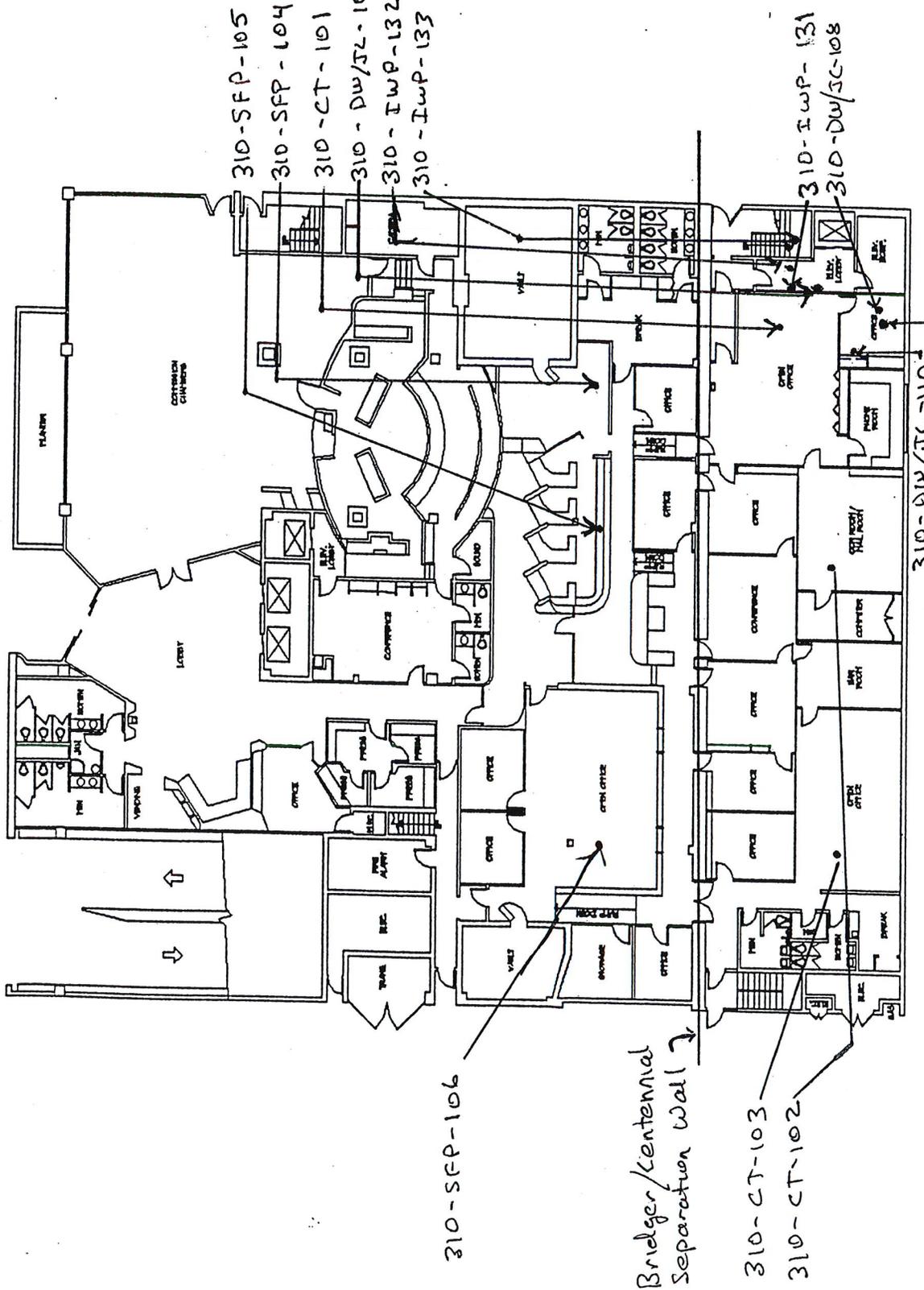
*I in the layer column above indicates an inhomogeneous sample; H indicates an homogenous sample.

*F in the appearance column indicates a fibrous sample; NF indicates a nonfibrous sample.



SAMPLE ACTIONS

BRIDGER & CENTENNIAL BUILDINGS



EXISTING FIRST FLOOR PLAN

310 - DW/JC-110

310 - FT-107

CLARK COUNTY
Central Services Department
125 Bridge Avenue
Las Vegas, Nevada 89101
202-88-4115

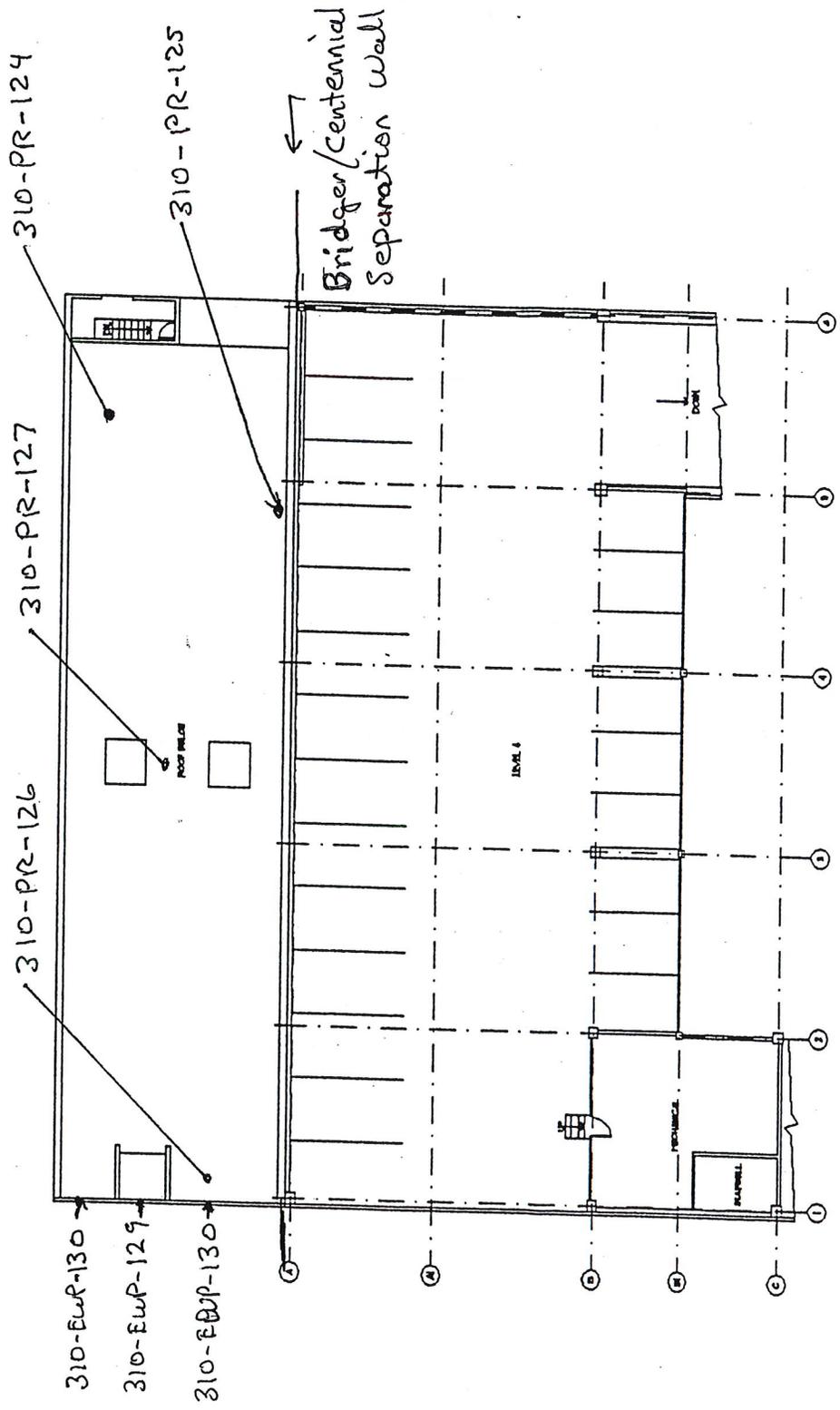


Project No.	
Sheet No.	
Scale	
Date	

CLARK COUNTY BRIDGER BUILDING
125 BRIDGER AVENUE
LAS VEGAS, NEVADA
EXISTING FIRST FLOOR PLAN

1
13

SAMPLE CATIONS



BRIDGER & CENTENNIAL BUILDINGS

EXISTING PARKING GARAGE LEVEL 4 CENTENNIAL BUILDING ROOFTOP



NORTH

CLARK COUNTY
Central Services Department
321 Fremont Street
Las Vegas, NV 89101
Phone: 702-222-1000
Fax: 702-222-1000



Project No.	310-PR-124
Drawn By	SAJ
Check By	
Date	11/10/00

CLARK COUNTY BRIDGER BUILDING
725 BRIDGER AVENUE
LAS VEGAS, NEVADA
NEXT TO THE EXISTING PARKING GARAGE LEVEL 4
CENTENNIAL BUILDING ROOFTOP

CL
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