AGENDA
SPECIAL MEETING
JENKS AQUARIUM AUTHORITY
WEDNESDAY, MARCH 11, 2026, 5:00 PM
JENKS CITY HALL, 211 NORTH ELM

If you require special accommodations pursuant to the Americans with Disabilities Act, please notify the City Clerk's Office at (918) 299-5883 or email agendas@jenksok.org.

CALL TO ORDER

ROLL CALL

BUSINESS

Official action can only be taken on items which appear on the agenda. The Aquarium Authority may adopt, approve, ratify, deny, defer, recommend, amend, strike, or continue any agenda item (except for Item 1).

1. Consideration and appropriate action relating to a request for approval of the Consent Agenda. (All matters listed under "Consent" are considered by the Authority to be routine and will be enacted by one motion. Any Trustee may, however, remove an item from the Consent Agenda by request. A motion to adopt the Consent Agenda is non-debatable.)
   A. Approve minutes of the regular meeting held on February 17, 2026.
   B. Monthly Reports
2. Consideration and appropriate action relating to items removed from the Consent Agenda
3. Award contract for ODWC Office Remediation to Blackmon Mooring / BMS CAT in the amount of $37,155.88.

STAFF REPORT

ADJOURNMENT

MINUTES
JENKS AQUARIUM AUTHORITY
TUESDAY, FEBRUARY 17, 2026, 5:00 PM
JENKS CITY HALL, 211 NORTH ELM

CALL TO ORDER

The Agenda for the Jenks Aquarium Authority was posted on the City's website at 4:57 PM on February 13, 2026. The meeting was called to order at 05:00 PM on the above date with Vice Chair John Brown presiding at Jenks City Hall.

ROLL CALL

Present	**Absent**
Adam Abel	Craig Murray
Keith Montgomary	
Vice Chair John Brown	
Carolina Morris	
Todd Blackburn	
Chair Cory Box *(arrived late at 5:06 PM)*	

BUSINESS

1. Consideration and appropriate action relating to a request for approval of the Consent Agenda. (All matters listed under "Consent" are considered by the Authority to be routine and will be enacted by one motion. Any Trustee may, however, remove an item from the Consent Agenda by request. A motion to adopt the Consent Agenda is non-debatable.)

A. Approve minutes of the regular meeting held on January 20, 2026

B. Monthly Reports

Keith Montgomery made a motion to approve Item 1. Carolina Morris seconded the motion. A roll call vote of members was taken as follows:
Yes: Todd Blackburn, John Brown, Keith Montgomery, Carolina Morris, Adam Abel
No: None
Motion Carried.

2. Consideration and appropriate action relating to items removed from the Consent Agenda

Withdrawn.

3. Update and review of the Aquatic Research Center budget and expenditures.

Aquarium COO Kenny Alexopoulos introduced item 3 and answered questions.

STAFF REPORT

Aquarium COO Kenny Alexopoulos gave his staff report.

ADJOURNMENT

Jenks Aquarium Authority adjourned at 05:30 PM.

Financial Summary

ACCOUNT NUMBER	FLEET NAME
2960-00-656689-7	CITY OF JENKS 29

DEPARTMENT	DESCRIPTION	UNITS	COST OR FEE	TOTAL FEES	FUEL $	OTHER $	EXEMPTED TAX	NET $	TOTAL FEES & PURCHASES
215	Unleaded Plus	41.44	2.799	0.00	116.00	0.00	-15.45	100.55	
	Unleaded Regular	94.50	2.449	0.00	229.99	0.00	-35.24	194.75	
	PERIOD			0.00	345.99	0.00	-50.69	295.30	295.30
	YTD			0.00	345.99	0.00	-50.69	295.30	295.30
252	Unleaded Regular	41.94	2.426	0.00	101.40	0.00	-15.64	85.76	
	PERIOD			0.00	101.40	0.00	-15.64	85.76	85.76
	YTD			0.00	101.40	0.00	-15.64	85.76	85.76
311	Unleaded Regular	3038.76	2.341	0.00	7095.40	0.00	-1133.40	5962.00	
	PERIOD			0.00	7095.40	0.00	-1133.40	5962.00	5962.00
	YTD			0.00	13629.88	0.00	-2188.00	11441.88	11441.88
411	Regular Diesel #2	628.50	3.179	0.00	1994.98	0.00	-272.16	1722.82	
	Unleaded Regular	333.13	2.368	0.00	788.04	0.00	-124.25	663.79	
	PERIOD			0.00	2783.02	0.00	-396.41	2386.61	2386.61
	YTD			0.00	4964.08	0.00	-719.05	4245.03	4245.03
511	Unleaded Regular	77.18	2.339	0.00	178.88	0.00	-28.79	150.09	
	Unleaded Super	19.98	3.149	0.00	62.93	0.00	-7.46	55.47	
	PERIOD			0.00	241.81	0.00	-36.25	205.56	205.56
	YTD			0.00	431.64	0.00	-64.68	366.96	366.96
512	Unleaded Regular	31.32	2.229	0.00	69.81	0.00	-11.68	58.13	
	PERIOD			0.00	69.81	0.00	-11.68	58.13	58.13
	YTD			0.00	144.58	0.00	-22.84	121.74	121.74
521	Regular Diesel #2	25.22	2.969	0.00	74.87	0.00	-10.92	63.95	
	Unleaded Plus	38.27	2.639	0.00	99.00	0.00	-14.27	84.73	
	Unleaded Regular	19.34	2.349	0.00	45.16	0.00	-7.21	37.95	
	Unleaded Super	32.16	3.149	0.00	101.28	0.00	-12.00	89.28	
	PERIOD			0.00	320.31	0.00	-44.40	275.91	275.91
	YTD			0.00	485.33	0.00	-65.87	419.46	419.46
522	Unleaded Plus	117.56	2.649	0.00	310.00	0.00	-43.85	266.15	
	Unleaded Regular	38.98	2.309	0.00	90.09	0.00	-14.53	75.56	
	PERIOD			0.00	400.09	0.00	-58.38	341.71	341.71
	YTD			0.00	899.57	0.00	-132.70	766.87	766.87
523	Regular Diesel #2	18.97	2.969	0.00	56.33	0.00	-8.21	48.12	
	PERIOD			0.00	56.33	0.00	-8.21	48.12	48.12
	YTD			0.00	56.33	0.00	-8.21	48.12	48.12
531	Unleaded Plus	115.69	2.651	0.00	306.37	0.00	-43.16	263.21	
	Unleaded Regular	247.21	2.371	0.00	588.85	0.00	-92.19	496.66	
	Unleaded Super	220.65	2.985	0.00	660.34	0.00	-82.29	578.05	

Financial Summary

ACCOUNT NUMBER	FLEET NAME
2960-00-656689-7	CITY OF JENKS 29

DEPARTMENT	DESCRIPTION	UNITS	COST OR FEE	TOTAL FEES	FUEL $	OTHER $	EXEMPTED TAX	NET $	TOTAL FEES & PURCHASES
	PERIOD			0.00	1555.56	0.00	-217.64	1337.92	1337.92
	YTD			0.00	2289.77	0.00	-327.64	1962.13	1962.13
533	Unleaded Regular	289.81	2.298	0.00	667.11	0.00	-108.11	559.00	
	PERIOD			0.00	667.11	0.00	-108.11	559.00	559.00
	YTD			0.00	1028.78	0.00	-167.21	861.57	861.57
561	Unleaded Plus	78.17	2.622	0.00	204.53	0.00	-29.15	175.38	
	Unleaded Regular	189.21	2.376	0.00	447.17	0.00	-70.56	376.61	
	Unleaded Super	136.47	3.069	0.00	418.92	0.00	-50.89	368.03	
	PERIOD			0.00	1070.62	0.00	-150.60	920.02	920.02
	YTD			0.00	1615.56	0.00	-226.16	1389.40	1389.40
562	Unleaded Regular	106.11	2.335	0.00	246.99	0.00	-39.58	207.41	
	PERIOD			0.00	246.99	0.00	-39.58	207.41	207.41
	YTD			0.00	474.37	0.00	-76.19	398.18	398.18
919	Regular Diesel #2	25.85	3.179	0.00	82.17	0.00	-11.19	70.98	
	Unleaded Plus	17.57	2.529	0.00	44.42	0.00	-6.55	37.87	
	Unleaded Regular	14.45	2.499	0.00	36.11	0.00	-5.39	30.72	
	PERIOD			0.00	162.70	0.00	-23.13	139.57	139.57
	YTD			0.00	257.25	0.00	-37.49	219.76	219.76
Unassigned	Rebate	6038.23	0.050	-301.91	0.00	0.00	0.00	0.00	
	PERIOD			-301.91	0.00	0.00	0.00	0.00	-301.91
	YTD			0.00	0.00	0.00	0.00	0.00	0.00
ACCOUNT TOTALS	Regular Diesel #2	698.54	3.179	0.00	2208.35	0.00	-302.48	1905.87	
	Unleaded Plus	408.70	2.529	0.00	1080.32	0.00	-152.43	927.89	
	Unleaded Regular	4521.94	2.499	0.00	10585.00	0.00	-1686.57	8898.43	
	Unleaded Super	409.26	3.069	0.00	1243.47	0.00	-152.64	1090.83	
	Rebate	6038.23	0.050	-301.91	0.00	0.00	0.00	0.00	
	PERIOD			-301.91	15117.14	0.00	-2294.12	12823.02	12521.11
	YTD			0.00	26724.53	0.00	-4102.37	22622.16	22622.16

ACCOUNTS RECEIVABLE SUMMARY - Invoice 110767080

PREVIOUS BALANCE	9560.86
PAYMENTS	-9560.86
PURCHASES	12823.02
DEBITS	0.00
CREDITS	0.00
QuikTrip Rebate	-301.91
PRIVATE SITE ANCILLARIES	0.00
AMOUNT DUE	12521.11

PARENT ACCOUNT:
CITY OF JENKS 29

REPORT FOR:
CITY OF JENKS 29
2960-00-656689-7
JAN-24-2026 TO FEB-23-2026

END OF REPORT

Site Summary

ACCOUNT NUMBER	FLEET NAME
2960-00-656689-7	CITY OF JENKS 29

BRAND	ADDRESS	NO. TRANS	FUEL UNITS	FUEL $	OTHER $	EXEMPT TAX	NET $
QUIKTRIP	4705 S Elm Pl, Broken Arrow, OK 74011	1	13.831	31.80	0.00	-5.16	26.64
	712 S Elm St, Jenks, OK 74037	417	5758.047	14420.91	0.00	-2188.08	12232.83
	12100 S Waco Ave, Sapulpa, OK 74066	7	127.791	295.87	0.00	-47.65	248.22
	4970 S Peoria Ave, Tulsa, OK 74105-4623	1	19.984	62.93	0.00	-7.46	55.47
	1617 W 51st St, Tulsa, OK 74107-8021	1	28.272	62.74	0.00	-10.54	52.20
	9555 Riverside Pkwy, Tulsa, OK 74137	4	68.241	188.64	0.00	-27.00	161.64
	903 E Trudgeon St, Henryetta, OK 74437-4403	1	22.062	54.25	0.00	-8.23	46.02
	PERIOD TOTALS	**432**	**6038.228**	**15117.14**	**0.00**	**-2294.12**	**12823.02**

Transaction Date	Transaction Time	Card Number	Custom Vehicle/Asset ID	Units	Product	Merchant Name	Merchant Address	Merchant City	Merchant State / Province	Merchant Postal Code	Current Odometer	Adjusted Odometer	Driver Last Name	Driver Department	Department
01/23/2026	14:25:49	****01401	919 663 17 RAM	14.45	UNL	Quiktrip 0096	9555 Riverside Pkwy	Tulsa	OK	74137	42057	40773	CHRISTIENSEN	913	919
02/10/2026	13:54:23	****00031	919 908 08 XTERRA	17.57	UN+	Quiktrip 0096	9555 Riverside Pkwy	Tulsa	OK	74137	125606	125892	CHRISTIENSEN	913	919
02/10/2026	14:19:28	****01581	919 15 FORD F550	25.85	DSL	Quiktrip 0096	9555 Riverside Pkwy	Tulsa	OK	74137	138142	138230	CHRISTIENSEN	913	919

MEMORANDUM

DATE: **March 11, 2026**
TO: **CHAIRMAN, MEMBERS OF JAA AND OAF**
FROM: **KENNY ALEXOPOULOS, CHIEF OPERATING OFFICER**
RE: **Award Proposal for Mold Remediation**

Dear Jenks City Council, Members of JAA and OAF

The Oklahoma Department of Wildlife and Conservation (ODWC), as part of an agreement with the Oklahoma Aquarium, has been officing in the aquarium's Northwest campus building since opening in 2003. Recently it was brought to the aquarium's attention that mold has been noticed in various locations throughout the offices. Upon inspection by a third party that specializes in mold testing and remediation requirements, it was concluded by the remediation company, Pioneer Environmental, that surface mold was present. Although the air was within normal spore levels equal to or less than the outdoor environment, it was recommended that the building be uninhabited until remediation efforts were conducted. A report was generated by Pioneer Environmental with test results including the required steps for remediation.

Upon receiving the report and its stated remediation requirements, the aquarium's management requested that the architectural firm, Helms and Associates, draft a request for proposal (RFP) document which was sent to various companies who specialize in mold remediation.

On Friday, February 13, 2026, proposals from three separate companies were received. These included Blackmon Mooring / BMS CAT (with two options), Reset Restoration and Servpro. Proposal amounts submitted are shown below.

Bidder	BMS CAT	Reset Restoration	Servpro
Bid Option1	$37,155.88	$70,525.47	$75,041.72
Bid Option 2	$47,371.96	NA	NA
Total Cost	$37,155.88	$70,525.47	$75,041.72

Based on the evaluation of the submitted bid proposals, the lowest bidder is BMS CAT (option 1) with the total amount of $37,155.88. Reset Restoration and Servpro's bid proposals were both considerably higher at $70,525.47 and $75,041.72 respectively.

As a result, and after consultation with Helms and Associates, the aquarium staff requests to proceed with awarding the remediation project to BMS CAT in the amount of $38,486.00 with the associated work starting as soon as possible.

Attachments:

Remediation Bid Recommendation Letter and Report
Remediation Recommendation Proposals and Bid Tabulations

OKLAHOMA AQUARIUM
ODWC OFFICE REMEDIATION

BID TABULATION

FEBRUARY 13, 2006
11:00 A.M.

BIDDER	BMS CAT	RESET RESTORATION	SERVPRO		
BID OPTION 1	**$37,155.88**	**$70,525.47**	**$75,041.72**		
BID OPTION 2	**$47,371.96**				

OPTION 1

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Insured:	Jenks Aquarium
Property:	300 Aquarium Dr Jenks, OK 74037

Contractor:	Jonathan Roberson	Business:	(918) 200-8138
Company:	BMS CAT	E-mail:	jroberson@bmsmanagement.com

Claim Number: 3061153 **Policy Number:** **Type of Loss:**

Date Contacted:	2/5/2026 8:00 AM		
Date of Loss:	2/5/2026 12:00 AM	Date Received:	2/5/2026 8:00 AM
Date Inspected:	2/5/2026 1:00 PM	Date Entered:	2/5/2026 6:05 AM

Price List:	OKTU8X_FEB26 Restoration/Service/Remodel
Estimate:	JENKSAQUARIUM

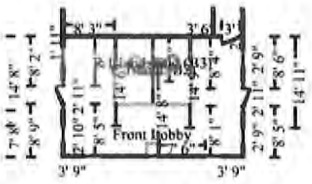
BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

JENKSAQUARIUM

Source - DocuSketch

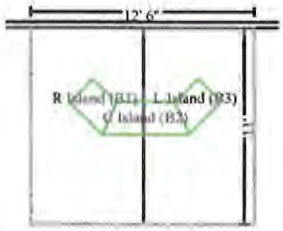
1st Floor



Front lobby **Height: 8' 11"**

604.11 SF Walls	419.86 SF Ceiling
1,023.97 SF Walls & Ceiling	404.46 SF Floor
44.94 SY Flooring	73.43 LF Floor Perimeter
122.74 LF Ceil. Perimeter	

Door	**3' 3/16" X 2' 10 1/4"**	**Opens into HALLWAY_4**
Window	**2' 9 5/16" X 3' 11 5/8"**	**Opens into Exterior**
Window	**10" X 5' 3"**	**Opens into Exterior**
Door	**2' 10 1/2" X 6' 11 7/16"**	**Opens into Exterior**
Window	**10" X 5' 3"**	**Opens into Exterior**
Window	**2' 9 1/4" X 3' 11 1/4"**	**Opens into Exterior**
Window	**2' 7 15/16" X 3' 10 7/8"**	**Opens into Exterior**
Window	**2' 7 15/16" X 3' 10 7/8"**	**Opens into Exterior**
Window	**2' 10 7/16" X 3' 10 7/16"**	**Opens into Exterior**
Window	**10" X 5' 3"**	**Opens into Exterior**
Door	**2' 11 3/8" X 6' 10 11/16"**	**Opens into Exterior**
Window	**10" X 5' 3"**	**Opens into Exterior**
Window	**2' 11 3/16" X 3' 10 7/16"**	**Opens into Exterior**



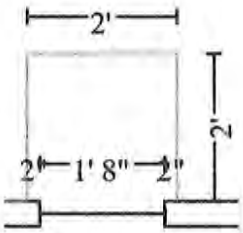
Subroom: Front Lobby (2) **Height: Peaked**

155.04 SF Walls	152.97 SF Ceiling
308.01 SF Walls & Ceiling	122.10 SF Floor
13.57 SY Flooring	12.50 LF Floor Perimeter
29.01 LF Ceil. Perimeter	

Missing Wall - Goes to Floor	**12' 6" X 8' 11"**	**Opens into FRONT_LOBBY**
Missing Wall	**11' X 8' 11"**	**Opens into FRONT_LOBBY**
Missing Wall	**11' X 8' 11"**	**Opens into FRONT_LOBBY**

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

CONTINUED - Front lobby



Subroom: Front Lobby (1) **Height: 11'**

24.73 SF Walls	3.98 SF Ceiling
28.70 SF Walls & Ceiling	3.98 SF Floor
0.44 SY Flooring	2.00 LF Floor Perimeter
7.98 LF Ceil. Perimeter	

Missing Wall - Goes to Floor	**2' X 8' 11"**	**Opens into FRONT_LOBBY**
Missing Wall - Goes to Floor	**1' 11 7/8" X 8' 11"**	**Opens into FRONT_LOBBY**
Window	**1' 8" X 5' 10"**	**Opens into Exterior**
Missing Wall - Goes to Floor	**1' 11 7/8" X 8' 11"**	**Opens into FRONT_LOBBY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
1. Cabinet - lower (base) unit - Detach	10.00 LF	0.00	23.37	0.00	233.70
2. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	87.93 LF	1.10	0.00	0.97	97.69
3. Tear out non-salvageable carpet, cut/bag	530.53 SF	1.11	0.00	2.71	591.60
4. Remove Heat/AC register - Mechanically attached	3.00 EA	2.67	0.00	0.00	8.01
Registers and returns					
5. Clean register - heat / AC	3.00 EA	0.00	6.74	0.01	20.23
register and return					
6. Remove Light fixture	4.00 EA	8.92	0.00	0.00	35.68
Detach light fixtures from drop ceiling.					
7. Clean light fixture - fluorescent	4.00 EA	0.00	16.84	0.02	67.38
8. Remove Suspended ceiling grid - 2' x 4'	399.00 SF	0.20	0.00	0.00	79.80
Detach Grid and Hangers, Dispose.					
9. Remove Suspended ceiling tile - 2' x 4'	399.00 SF	0.21	0.00	0.00	83.79
Remove and dispose of ceiling tiles					
10. HEPA Vacuuming - Detailed - (PER SF)	1,314.41 SF	0.00	0.91	0.00	1,196.11
walls and slab under carpet.					
11. Wipe down walls	783.87 SF	0.00	0.42	0.67	329.90
Wipe down all walls after hepa vac					
12. Apply anti-microbial agent to the floor	530.53 SF	0.00	0.34	2.26	182.64

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

CONTINUED - Front lobby

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
Totals: Front lobby				6.64	2,926.53



Hallway 4 **Height: 8' 11"**

516.03 SF Walls	151.64 SF Ceiling
667.67 SF Walls & Ceiling	151.64 SF Floor
16.85 SY Flooring	52.10 LF Floor Perimeter
76.79 LF Ceil. Perimeter	

Door	**2' 11 3/16" X 7' 1/4"**	**Opens into DEF_2ND_OFFI**
Door	**2' 11 3/16" X 7' 1/4"**	**Opens into DEF_3RD_OFFI**
Door	**2' 11 9/16" X 7' 1/4"**	**Opens into Exterior**
Missing Wall - Goes to Floor	**4' 15/16" X 8' 11"**	**Opens into HALLWAY**
Door	**2' 10 1/16" X 7' 1/4"**	**Opens into JANITORS_CLO**
Door	**3' X 7' 1 1/16"**	**Opens into DEF_1ST_OFF2**
Door	**3' 3/16" X 2' 10 1/4"**	**Opens into FRONT_LOBBY**
Door	**2' 11 3/16" X 7' 1/4"**	**Opens into DEF_1ST_OFFI**

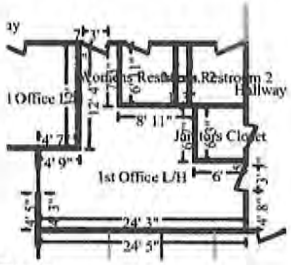
DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
13. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	52.10 LF	1.10	0.00	0.58	57.89
14. Tear out non-salvageable carpet, cut/bag	151.64 SF	1.11	0.00	0.78	169.10
15. Remove Heat/AC register - Mechanically attached	3.00 EA	2.67	0.00	0.00	8.01
Registers and returns					
16. Clean register - heat / AC	3.00 EA	0.00	6.74	0.01	20.23
register and return					
17. Remove Light fixture	3.00 EA	8.92	0.00	0.00	26.76
Detach light fixtures from drop ceiling.					
18. Clean light fixture - fluorescent	3.00 EA	0.00	16.84	0.01	50.53
19. Remove Suspended ceiling grid - 2' x 4'	399.00 SF	0.20	0.00	0.00	79.80
Detach Grid and Hangers, Dispose.					
20. Remove Suspended ceiling tile - 2' x 4'	399.00 SF	0.21	0.00	0.00	83.79
Remove and dispose of ceiling tiles					

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

CONTINUED - Hallway 4

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
21. HEPA Vacuuming - Detailed - (PER SF)	667.67 SF	0.00	0.91	0.00	607.58
walls and slab under carpet.					
22. Wipe down walls	516.03 SF	0.00	0.42	0.44	217.17
Wipe down all walls after hepa vac					
23. Apply anti-microbial agent to the floor	151.64 SF	0.00	0.34	0.65	52.21
Totals: Hallway 4				2.47	1,373.07



1st Office L/H **Height: 8' 11"**

767.94 SF Walls	323.70 SF Ceiling
1,091.64 SF Walls & Ceiling	323.70 SF Floor
35.97 SY Flooring	86.17 LF Floor Perimeter
92.21 LF Ceil. Perimeter	

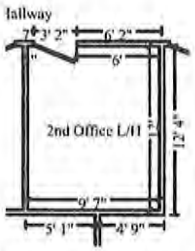
Door	**3' 7/16" X 7' 5/8"**	**Opens into HALLWAY**
Window	**2' 11 1/4" X 3' 11 1/4"**	**Opens into Exterior**
Door	**3' X 7' 1 1/16"**	**Opens into HALLWAY_4**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
24. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	86.17 LF	1.10	0.00	0.95	95.74
25. Tear out non-salvageable carpet, cut/bag	323.70 SF	1.11	0.00	1.65	360.96
26. Remove Heat/AC register - Mechanically attached	4.00 EA	2.67	0.00	0.00	10.68
Registers and returns					
27. Clean register - heat / AC	4.00 EA	0.00	6.74	0.01	26.97
register and return					
28. Remove Light fixture	5.00 EA	8.92	0.00	0.00	44.60
Detach light fixtures from drop ceiling.					
29. Clean light fixture - fluorescent	5.00 EA	0.00	16.84	0.02	84.22
30. Remove Suspended ceiling grid - 2' x 4'	323.70 SF	0.20	0.00	0.00	64.74
Detach Grid and Hangers, Dispose.					

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

CONTINUED - 1st Office L/H

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
31. Remove Suspended ceiling tile - 2' x 4'	323.70 SF	0.21	0.00	0.00	67.98
Remove and dispose of ceiling tiles					
32. HEPA Vacuuming - Detailed - (PER SF)	1,091.64 SF	0.00	0.91	0.00	993.39
walls and slab under carpet.					
33. Wipe down walls	767.94 SF	0.00	0.42	0.65	323.18
Wipe down all walls after hepa vac					
34. Apply anti-microbial agent to the floor	323.70 SF	0.00	0.34	1.38	111.44
Totals: 1st Office L/H				4.66	2,183.90



2nd Office L/H **Height: 8' 11"**

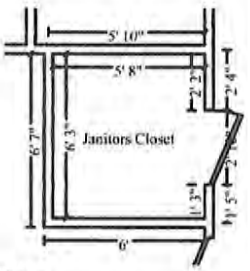
363.37 SF Walls	115.57 SF Ceiling
478.94 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	40.09 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Door **3' 2 1/8" X 7' 5/8"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
35. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	40.09 LF	1.10	0.00	0.44	44.54
36. Tear out non-salvageable carpet, cut/bag	115.57 SF	1.11	0.00	0.59	128.87
37. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
38. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
39. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
40. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
41. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					

CONTINUED - 2nd Office L/H

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
42. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
43. HEPA Vacuuming - Detailed - (PER SF)	478.94 SF	0.00	0.91	0.00	435.84
walls and slab under carpet.					
44. Wipe down walls	363.37 SF	0.00	0.42	0.31	152.93
Wipe down all walls after hepa vac					
45. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: 2nd Office L/H				1.84	919.69



janitors closet **Height: 10'**

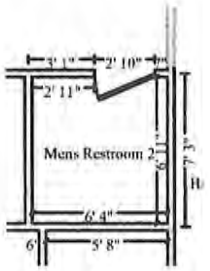
219.04 SF Walls	35.62 SF Ceiling
254.65 SF Walls & Ceiling	35.62 SF Floor
3.96 SY Flooring	21.06 LF Floor Perimeter
23.90 LF Ceil. Perimeter	

Door **2' 10 1/16" X 7' 1/4"** **Opens into HALLWAY_4**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
46. Remove Heat/AC register - Mechanically attached	1.00 EA	2.67	0.00	0.00	2.67
Registers and returns					
47. Clean register - heat / AC	1.00 EA	0.00	6.74	0.00	6.74
register and return					
48. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
49. HEPA Vacuuming - Detailed - (PER SF)	254.65 SF	0.00	0.91	0.00	231.73
walls and slab under carpet.					
50. Wipe down walls	219.04 SF	0.00	0.42	0.19	92.19
Wipe down all walls after hepa vac					
51. Apply anti-microbial agent to the floor	35.62 SF	0.00	0.34	0.15	12.26

CONTINUED - janitors closet

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
Totals: janitors closet				0.34	354.51



Mens Restroom 2 **Height: 7' 11"**

190.11 SF Walls	43.82 SF Ceiling
233.93 SF Walls & Ceiling	43.82 SF Floor
4.87 SY Flooring	23.67 LF Floor Perimeter
26.50 LF Ceil. Perimeter	

Door **2' 10" X 6' 11 7/16"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
52. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
53. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
54. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
55. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
56. Remove Suspended ceiling grid - 2' x 4'	43.82 SF	0.20	0.00	0.00	8.76
Detach Grid and Hangers, Dispose.					
57. Remove Suspended ceiling tile - 2' x 4'	43.82 SF	0.21	0.00	0.00	9.20
Remove and dispose of ceiling tiles					
58. HEPA Vacuuming - Detailed - (PER SF)	233.93 SF	0.00	0.91	0.00	212.88
walls and slab under carpet.					
59. Wipe down walls	190.11 SF	0.00	0.42	0.16	80.01
Wipe down all walls after hepa vac					
60. Apply anti-microbial agent to the floor	43.82 SF	0.00	0.34	0.19	15.09
Totals: Mens Restroom 2				0.35	370.52

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Hallway **Height: 8' 11"**



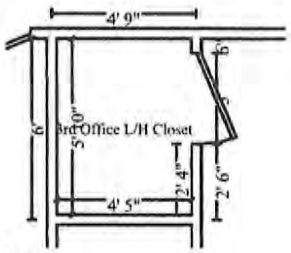
866.46 SF Walls	264.16 SF Ceiling
1,130.62 SF Walls & Ceiling	264.16 SF Floor
29.35 SY Flooring	90.14 LF Floor Perimeter
127.22 LF Ceil. Perimeter	

Door	**2' 11 15/16" X 7' 1/4"**	**Opens into DEF_4TH_OFF1**
Door	**3' 1/4" X 6' 9 7/8"**	**Opens into CONFERENCE_R**
Missing Wall - Goes to Floor	**4' 15/16" X 8' 11"**	**Opens into HALLWAY_4**
Door	**2' 10" X 6' 11 7/16"**	**Opens into MENS_RESTROO**
Door	**2' 10" X 6' 11 7/16"**	**Opens into WOMENS_RESTR**
Door	**3' 7/16" X 7' 5/8"**	**Opens into DEF_1ST_OFF2**
Door	**3' 2 1/8" X 7' 5/8"**	**Opens into DEF_2ND_OFF3**
Door	**3' 13/16" X 7' 1 1/16"**	**Opens into DEF_3RD_OFF4**
Door	**3' 3/4" X 7' 1 1/16"**	**Opens into DEF_4TH_OFF7**
Door	**3' 3/8" X 7' 1 7/16"**	**Opens into MAINTENANCE_**
Door	**2' 10 13/16" X 6' 11 7/8"**	**Opens into KITCHEN**
Door	**3' 7/16" X 7' 1/4"**	**Opens into DEF_5TH_OFF5**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
61. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	90.14 LF	1.10	0.00	1.00	100.15
62. Tear out non-salvageable carpet, cut/bag	264.16 SF	1.11	0.00	1.35	294.57
63. Remove Light fixture	5.00 EA	8.92	0.00	0.00	44.60
Detach light fixtures from drop ceiling.					
64. Clean light fixture - fluorescent	5.00 EA	0.00	16.84	0.02	84.22
65. Remove Suspended ceiling grid - 2' x 4'	399.00 SF	0.20	0.00	0.00	79.80
Detach Grid and Hangers, Dispose.					
66. Remove Suspended ceiling tile - 2' x 4'	399.00 SF	0.21	0.00	0.00	83.79
Remove and dispose of ceiling tiles					
67. Tear out wet drywall, cleanup, bag for disposal	120.00 SF	1.12	0.00	1.53	135.93
68. Clean stud wall - Heavy	120.00 SF	0.00	1.29	0.31	155.11
69. HEPA Vacuuming - Detailed - (PER SF)	1,130.62 SF	0.00	0.91	0.00	1,028.86
walls and slab under carpet.					

CONTINUED - Hallway

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
70. Wipe down walls	866.46 SF	0.00	0.42	0.74	364.65
Wipe down all walls after hepa vac					
71. Apply anti-microbial agent to the floor	264.16 SF	0.00	0.34	1.13	90.94
Totals: Hallway				6.08	2,462.62



3rd Office L/H Closet — **Height: 8' 11"**

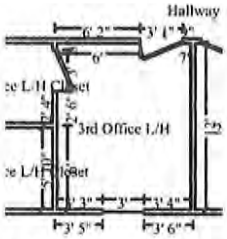
161.87 SF Walls	25.81 SF Ceiling
187.68 SF Walls & Ceiling	25.81 SF Floor
2.87 SY Flooring	17.51 LF Floor Perimeter
20.50 LF Ceil. Perimeter	

Door — **3' X 6' 11 7/8"** — **Opens into DEF_3RD_OFF4**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
72. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	17.51 LF	1.10	0.00	0.19	19.45
73. Tear out non-salvageable carpet, cut/bag	25.81 SF	1.11	0.00	0.13	28.78
74. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
75. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
76. Remove Suspended ceiling grid - 2' x 4'	25.81 SF	0.20	0.00	0.00	5.16
Detach Grid and Hangers, Dispose.					
77. Remove Suspended ceiling tile - 2' x 4'	25.81 SF	0.21	0.00	0.00	5.42
Remove and dispose of ceiling tiles					
78. HEPA Vacuuming - Detailed - (PER SF)	187.68 SF	0.00	0.91	0.00	170.79
walls and slab under carpet.					
79. Wipe down walls	161.87 SF	0.00	0.42	0.14	68.13
Wipe down all walls after hepa vac					
80. Apply anti-microbial agent to the floor	25.81 SF	0.00	0.34	0.11	8.89
Totals: 3rd Office L/H Closet				0.57	332.38

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



3rd Office L/H **Height: 8' 11"**

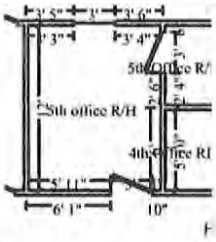
330.82 SF Walls	115.57 SF Ceiling
446.39 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	37.20 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Window	**3' 1/4" X 4' 13/16"**	**Opens into Exterior**
Door	**3' X 6' 11 7/8"**	**Opens into DEF_3RD_OFF1**
Door	**3' 13/16" X 7' 1 1/16"**	**Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
81. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	37.20 LF	1.10	0.00	0.41	41.33
82. Tear out non-salvageable carpet, cut/bag	115.57 SF	1.11	0.00	0.59	128.87
83. Remove Heat/AC register - Mechanically attached	1.00 EA	2.67	0.00	0.00	2.67
Registers and returns					
84. Clean register - heat / AC	1.00 EA	0.00	6.74	0.00	6.74
register and return					
85. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
86. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
87. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					
88. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
89. HEPA Vacuuming - Detailed - (PER SF)	446.39 SF	0.00	0.91	0.00	406.21
walls and slab under carpet.					
90. Wipe down walls	330.82 SF	0.00	0.42	0.28	139.22
Wipe down all walls after hepa vac					
91. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: 3rd Office L/H				1.78	863.73

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



5th office R/H **Height: 8' 11"**

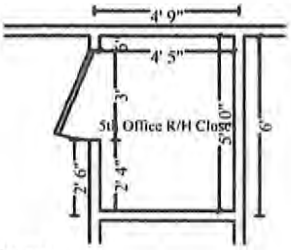
331.25	SF Walls	115.57	SF Ceiling
446.82	SF Walls & Ceiling	115.57	SF Floor
12.84	SY Flooring	37.23	LF Floor Perimeter
43.27	LF Ceil. Perimeter		

Door	**3' X 6' 11 7/8"**	**Opens into DEF_5TH_OFFI**
Window	**3' 1/4" X 4' 13/16"**	**Opens into Exterior**
Door	**3' 7/16" X 7' 1/4"**	**Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
92. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	37.23 LF	1.10	0.00	0.41	41.36
93. Tear out non-salvageable carpet, cut/bag	115.57 SF	1.11	0.00	0.59	128.87
94. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
95. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
96. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
97. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
98. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					
99. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
100. HEPA Vacuuming - Detailed - (PER SF)	446.82 SF	0.00	0.91	0.00	406.61
walls and slab under carpet.					
101. Wipe down walls	331.25 SF	0.00	0.42	0.28	139.41
Wipe down all walls after hepa vac					
102. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: 5th office R/H				1.78	873.76

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



5th Office R/H Closet **Height: 8' 11"**

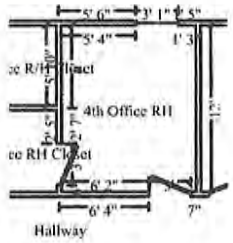
161.87	SF Walls	25.81	SF Ceiling
187.68	SF Walls & Ceiling	25.81	SF Floor
2.87	SY Flooring	17.51	LF Floor Perimeter
20.50	LF Ceil. Perimeter		

Door **3' X 6' 11 7/8"** **Opens into DEF_5TH_OFF5**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
103. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	17.51 LF	1.10	0.00	0.19	19.45
104. Tear out non-salvageable carpet, cut/bag	25.81 SF	1.11	0.00	0.13	28.78
105. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
106. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
107. Remove Suspended ceiling grid - 2' x 4'	25.81 SF	0.20	0.00	0.00	5.16
Detach Grid and Hangers, Dispose.					
108. Remove Suspended ceiling tile - 2' x 4'	25.81 SF	0.21	0.00	0.00	5.42
Remove and dispose of ceiling tiles					
109. HEPA Vacuuming - Detailed - (PER SF)	187.68 SF	0.00	0.91	0.00	170.79
walls and slab under carpet.					
110. Wipe down walls	161.87 SF	0.00	0.42	0.14	68.13
Wipe down all walls after hepa vac					
111. Apply anti-microbial agent to the floor	25.81 SF	0.00	0.34	0.11	8.89
Totals: 5th Office R/H Closet				0.57	332.38

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



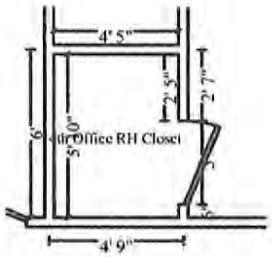
4th Office RH **Height: 8' 11"**

332.19 SF Walls	115.57 SF Ceiling
447.76 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	37.28 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Door	**2' 11 15/16" X 7' 1/4"**	**Opens into HALLWAY**
Door	**2' 11 15/16" X 6' 11 7/8"**	**Opens into DEF_4TH_OFF2**
Window	**3' 11/16" X 3' 9 11/16"**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
112. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	37.28 LF	1.10	0.00	0.41	41.42
113. Tear out non-salvageable carpet, cut/bag	115.57 SF	1.11	0.00	0.59	128.87
114. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
115. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
116. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
117. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
118. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					
119. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
120. HEPA Vacuuming - Detailed - (PER SF)	447.76 SF	0.00	0.91	0.00	407.46
walls and slab under carpet.					
121. Wipe down walls	332.19 SF	0.00	0.42	0.28	139.80
Wipe down all walls after hepa vac					
122. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: 4th Office RH				1.78	875.06

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



4th Office RH Closet **Height: 8' 11"**

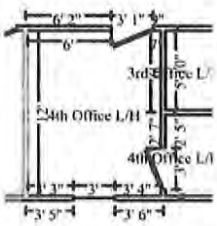
163.01 SF Walls	26.09 SF Ceiling
189.09 SF Walls & Ceiling	26.09 SF Floor
2.90 SY Flooring	17.63 LF Floor Perimeter
20.63 LF Ceil. Perimeter	

Door **2' 11 15/16" X 6' 11 7/8"** **Opens into DEF_4TH_OFF1**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
123. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	17.63 LF	1.10	0.00	0.20	19.59
124. Tear out non-salvageable carpet, cut/bag	26.09 SF	1.11	0.00	0.13	29.09
125. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
126. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
127. Remove Suspended ceiling grid - 2' x 4'	26.09 SF	0.20	0.00	0.00	5.22
Detach Grid and Hangers, Dispose.					
128. Remove Suspended ceiling tile - 2' x 4'	26.09 SF	0.21	0.00	0.00	5.48
Remove and dispose of ceiling tiles					
129. HEPA Vacuuming - Detailed - (PER SF)	189.09 SF	0.00	0.91	0.00	172.07
walls and slab under carpet.					
130. Wipe down walls	163.01 SF	0.00	0.42	0.14	68.60
Wipe down all walls after hepa vac					
131. Apply anti-microbial agent to the floor	26.09 SF	0.00	0.34	0.11	8.98
Totals: 4th Office RH Closet				0.58	334.79

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



4th Office L/H **Height: 8' 11"**

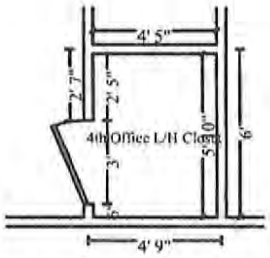
330.86 SF Walls	115.57 SF Ceiling
446.43 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	37.21 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Door	**2' 11 15/16" X 6' 11 7/8"**	**Opens into DEF_4TH_OFFI**
Window	**3' 1/4" X 4' 13/16"**	**Opens into Exterior**
Missing Wall - Goes to Ceiling	**12' 1/8" X -1' 1"**	**Opens into MAINTENANCE_**
Door	**3' 3/4" X 7' 1 1/16"**	**Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
132. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	37.21 LF	1.10	0.00	0.41	41.34
133. Tear out non-salvageable carpet, cut/bag	115.57 SF	1.11	0.00	0.59	128.87
134. Remove Heat/AC register - Mechanically attached Registers and returns	2.00 EA	2.67	0.00	0.00	5.34
135. Clean register - heat / AC register and return	2.00 EA	0.00	6.74	0.00	13.48
136. Remove Light fixture Detach light fixtures from drop ceiling.	2.00 EA	8.92	0.00	0.00	17.84
137. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
138. Remove Suspended ceiling grid - 2' x 4' Detach Grid and Hangers, Dispose.	115.57 SF	0.20	0.00	0.00	23.11
139. Remove Suspended ceiling tile - 2' x 4' Remove and dispose of ceiling tiles	115.57 SF	0.21	0.00	0.00	24.27
140. HEPA Vacuuming - Detailed - (PER SF) walls and slab under carpet.	446.43 SF	0.00	0.91	0.00	406.25
141. Wipe down walls Wipe down all walls after hepa vac	330.86 SF	0.00	0.42	0.28	139.24
142. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: 4th Office L/H				1.78	873.21

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



4th Office L/H Closet **Height: 8' 11"**

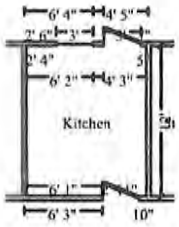
163.01 SF Walls	26.09 SF Ceiling
189.09 SF Walls & Ceiling	26.09 SF Floor
2.90 SY Flooring	17.63 LF Floor Perimeter
20.63 LF Ceil. Perimeter	

Door **2' 11 15/16" X 6' 11 7/8"** **Opens into DEF_4TH_OFF7**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
143. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	17.63 LF	1.10	0.00	0.20	19.59
144. Tear out non-salvageable carpet, cut/bag	26.09 SF	1.11	0.00	0.13	29.09
145. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
146. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
147. Remove Suspended ceiling grid - 2' x 4'	26.09 SF	0.20	0.00	0.00	5.22
Detach Grid and Hangers, Dispose.					
148. Remove Suspended ceiling tile - 2' x 4'	26.09 SF	0.21	0.00	0.00	5.48
Remove and dispose of ceiling tiles					
149. HEPA Vacuuming - Detailed - (PER SF)	189.09 SF	0.00	0.91	0.00	172.07
walls and slab under carpet.					
150. Wipe down walls	163.01 SF	0.00	0.42	0.14	68.60
Wipe down all walls after hepa vac					
151. Apply anti-microbial agent to the floor	26.09 SF	0.00	0.34	0.11	8.98
Totals: 4th Office L/H Closet				0.58	334.79

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



Kitchen **Height: 8' 11"**

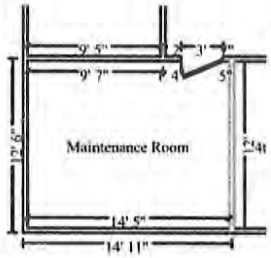
332.21 SF Walls	115.57 SF Ceiling
447.78 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	37.37 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Door	**2' 10 13/16" X 6' 11 7/8"**	**Opens into HALLWAY**
Window	**2' 11 15/16" X 4' 1 3/16"**	**Opens into Exterior**
Door	**2' 11 7/8" X 7' 1/4"**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
152. Remove Heat/AC register - Mechanically attached	3.00 EA	2.67	0.00	0.00	8.01
Registers and returns					
153. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
154. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
155. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
156. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					
157. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
158. HEPA Vacuuming - Detailed - (PER SF)	447.78 SF	0.00	0.91	0.00	407.48
walls and slab under carpet.					
159. Wipe down walls and cabinetry	332.21 SF	0.00	0.42	0.28	139.81
Wipe down all walls after hepa vac					
160. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: Kitchen				0.78	707.47

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



Maintenance room **Height: 13' 2"**

635.76 SF Walls	172.91 SF Ceiling
808.67 SF Walls & Ceiling	172.91 SF Floor
19.21 SY Flooring	49.78 LF Floor Perimeter
52.81 LF Ceil. Perimeter	

Missing Wall - Goes to Ceiling **12' 1/8" X 3' 2"** **Opens into DEF_4TH_OFF7**
Door **3' 3/8" X 7' 1 7/16"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
161. Remove Heat/AC register - Mechanically attached	1.00 EA	2.67	0.00	0.00	2.67
Registers and returns					
162. Clean register - heat / AC	1.00 EA	0.00	6.74	0.00	6.74
register and return					
163. HEPA Vacuuming - Detailed - (PER SF)	808.67 SF	0.00	0.91	0.00	735.89
walls and slab under carpet.					
164. Wipe down walls	635.76 SF	0.00	0.42	0.54	267.56
Wipe down all walls after hepa vac					
165. Apply anti-microbial agent to the floor	172.91 SF	0.00	0.34	0.74	59.53
Totals: Maintenance room				1.28	1,072.39



Conference Room **Height: 8' 11"**

518.92 SF Walls	229.65 SF Ceiling
748.57 SF Walls & Ceiling	229.65 SF Floor
25.52 SY Flooring	60.12 LF Floor Perimeter
63.14 LF Ceil. Perimeter	

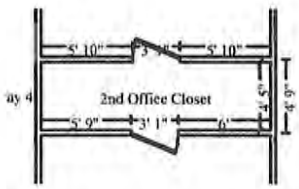
Window **2' 10 5/16" X 4' 1/16"** **Opens into Exterior**
Window **3' 1/4" X 3' 11 5/8"** **Opens into Exterior**
Door **3' 1/4" X 6' 9 7/8"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
166. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	60.12 LF	1.10	0.00	0.67	66.80

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

CONTINUED - Conference Room

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
167. Tear out non-salvageable carpet, cut/bag	229.65 SF	1.11	0.00	1.17	256.08
168. Remove Heat/AC register - Mechanically attached	3.00 EA	2.67	0.00	0.00	8.01
Registers and returns					
169. Clean register - heat / AC	3.00 EA	0.00	6.74	0.01	20.23
register and return					
170. Remove Light fixture	3.00 EA	8.92	0.00	0.00	26.76
Detach light fixtures from drop ceiling.					
171. Clean light fixture - fluorescent	3.00 EA	0.00	16.84	0.01	50.53
172. Remove Suspended ceiling grid - 2' x 4'	229.65 SF	0.20	0.00	0.00	45.93
Detach Grid and Hangers, Dispose.					
173. Remove Suspended ceiling tile - 2' x 4'	229.65 SF	0.21	0.00	0.00	48.23
Remove and dispose of ceiling tiles					
174. HEPA Vacuuming - Detailed - (PER SF)	748.57 SF	0.00	0.91	0.00	681.20
walls and slab under carpet.					
175. Wipe down walls	518.92 SF	0.00	0.42	0.44	218.39
Wipe down all walls after hepa vac					
176. Apply anti-microbial agent to the floor	229.65 SF	0.00	0.34	0.98	79.06
Totals: Conference Room				3.28	1,501.22



2nd Office Closet **Height: 8' 11"**

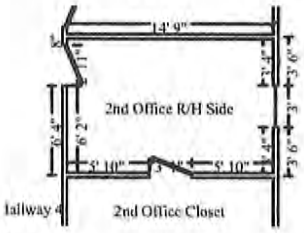
299.89 SF Walls	65.68 SF Ceiling
365.57 SF Walls & Ceiling	65.68 SF Floor
7.30 SY Flooring	32.33 LF Floor Perimeter
38.45 LF Ceil. Perimeter	

Door	**3' 3/4" X 7' 1/4"**	**Opens into DEF_2ND_OFFI**
Door	**3' 11/16" X 7' 1/4"**	**Opens into DEF_1ST_OFFI**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL

CONTINUED - 2nd Office Closet

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
177. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	32.33 LF	1.10	0.00	0.36	35.92
178. Tear out non-salvageable carpet, cut/bag	65.68 SF	1.11	0.00	0.34	73.24
179. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
180. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
181. Remove Suspended ceiling grid - 2' x 4'	65.68 SF	0.20	0.00	0.00	13.14
Detach Grid and Hangers, Dispose.					
182. Remove Suspended ceiling tile - 2' x 4'	65.68 SF	0.21	0.00	0.00	13.79
Remove and dispose of ceiling tiles					
183. HEPA Vacuuming - Detailed - (PER SF)	365.57 SF	0.00	0.91	0.00	332.67
walls and slab under carpet.					
184. Wipe down walls	299.89 SF	0.00	0.42	0.26	126.21
Wipe down all walls after hepa vac					
185. Apply anti-microbial agent to the floor	65.68 SF	0.00	0.34	0.28	22.61
Totals: 2nd Office Closet				1.24	643.34



2nd Office R/H Side **Height: 8' 11"**

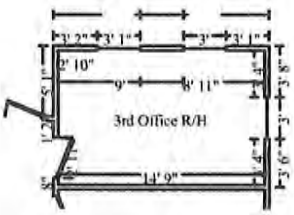
380.57 SF Walls	142.21 SF Ceiling
522.78 SF Walls & Ceiling	142.21 SF Floor
15.80 SY Flooring	42.81 LF Floor Perimeter
48.80 LF Ceil. Perimeter	

Window	**2' 11 13/16" X 4' 2 3/8"**	**Opens into Exterior**
Door	**3' 3/4" X 7' 1/4"**	**Opens into DEF_2ND_OFF1**
Door	**2' 11 3/16" X 7' 1/4"**	**Opens into HALLWAY_4**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
186. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	42.81 LF	1.10	0.00	0.47	47.56
187. Tear out non-salvageable carpet, cut/bag	142.21 SF	1.11	0.00	0.73	158.58

CONTINUED - 2nd Office R/H Side

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
188. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
189. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
190. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
191. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
192. Remove Suspended ceiling grid - 2' x 4'	142.21 SF	0.20	0.00	0.00	28.44
Detach Grid and Hangers, Dispose.					
193. Remove Suspended ceiling tile - 2' x 4'	142.21 SF	0.21	0.00	0.00	29.86
Remove and dispose of ceiling tiles					
194. HEPA Vacuuming - Detailed - (PER SF)	522.78 SF	0.00	0.91	0.00	475.73
walls and slab under carpet.					
195. Wipe down walls	380.57 SF	0.00	0.42	0.32	160.16
Wipe down all walls after hepa vac					
196. Apply anti-microbial agent to the floor	142.21 SF	0.00	0.34	0.61	48.96
Totals: 2nd Office R/H Side				2.14	1,019.64



3rd Office R/H **Height: 8' 11"**

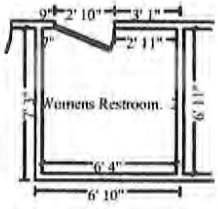
377.82 SF Walls	142.21 SF Ceiling
520.03 SF Walls & Ceiling	142.21 SF Floor
15.80 SY Flooring	45.87 LF Floor Perimeter
48.80 LF Ceil. Perimeter	

Window	**2' 11 7/8" X 4' 1/16"**	**Opens into Exterior**
Window	**3' 1 1/16" X 3' 11 5/8"**	**Opens into Exterior**
Window	**2' 11 13/16" X 4' 2 3/8"**	**Opens into Exterior**
Door	**2' 11 3/16" X 7' 1/4"**	**Opens into HALLWAY_4**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL

CONTINUED - 3rd Office R/H

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
197. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	45.87 LF	1.10	0.00	0.51	50.97
198. Tear out non-salvageable carpet, cut/bag	142.21 SF	1.11	0.00	0.73	158.58
199. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
200. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
201. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
202. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
203. Remove Suspended ceiling grid - 2' x 4'	142.21 SF	0.20	0.00	0.00	28.44
Detach Grid and Hangers, Dispose.					
204. Remove Suspended ceiling tile - 2' x 4'	142.21 SF	0.21	0.00	0.00	29.86
Remove and dispose of ceiling tiles					
205. HEPA Vacuuming - Detailed - (PER SF)	520.03 SF	0.00	0.91	0.00	473.23
walls and slab under carpet.					
206. Wipe down walls	377.82 SF	0.00	0.42	0.32	159.00
Wipe down all walls after hepa vac					
207. Apply anti-microbial agent to the floor	142.21 SF	0.00	0.34	0.61	48.96
Totals: 3rd Office R/H				2.18	1,019.39



Womens restroom. 2 **Height: 7' 11"**

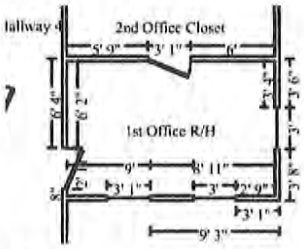
190.09 SF Walls	43.82 SF Ceiling
233.91 SF Walls & Ceiling	43.82 SF Floor
4.87 SY Flooring	23.67 LF Floor Perimeter
26.50 LF Ceil. Perimeter	

Door **2' 10" X 6' 11 7/16"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL

CONTINUED - Womens restroom. 2

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
208. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
209. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
210. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
211. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
212. Remove Suspended ceiling grid - 2' x 4'	43.82 SF	0.20	0.00	0.00	8.76
Detach Grid and Hangers, Dispose.					
213. Remove Suspended ceiling tile - 2' x 4'	43.82 SF	0.21	0.00	0.00	9.20
Remove and dispose of ceiling tiles					
214. HEPA Vacuuming - Detailed - (PER SF)	233.91 SF	0.00	0.91	0.00	212.86
walls and slab under carpet.					
215. Wipe down walls	190.09 SF	0.00	0.42	0.16	80.00
Wipe down all walls after hepa vac					
216. Apply anti-microbial agent to the floor	43.82 SF	0.00	0.34	0.19	15.09
Totals: Womens restroom. 2				0.36	396.26



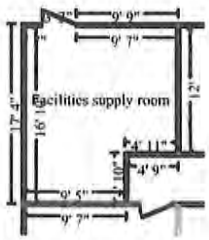
1st office r/h **Height: 8' 11"**

356.35 SF Walls	142.21 SF Ceiling
498.56 SF Walls & Ceiling	142.21 SF Floor
15.80 SY Flooring	42.82 LF Floor Perimeter
48.80 LF Ceil. Perimeter	

Door	**3' 11/16" X 7' 1/4"**	**Opens into DEF_2ND_OFF1**
Door	**2' 11 3/16" X 7' 1/4"**	**Opens into HALLWAY_4**
Window	**2' 11 7/8" X 4' 1/16"**	**Opens into Exterior**
Window	**3' 1 1/16" X 3' 11 5/8"**	**Opens into Exterior**
Window	**2' 11 13/16" X 4' 2 3/8"**	**Opens into Exterior**

CONTINUED - 1st office r/h

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
217. Tear out cove base and bag for disp. - up to Cat 3 afl hrs	42.82 LF	1.10	0.00	0.47	47.57
218. Tear out non-salvageable carpet, cut/bag	142.21 SF	1.11	0.00	0.73	158.58
219. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
220. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
221. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
222. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
223. Remove Suspended ceiling grid - 2' x 4'	142.21 SF	0.20	0.00	0.00	28.44
Detach Grid and Hangers, Dispose.					
224. Remove Suspended ceiling tile - 2' x 4'	142.21 SF	0.21	0.00	0.00	29.86
Remove and dispose of ceiling tiles					
225. HEPA Vacuuming - Detailed - (PER SF)	498.56 SF	0.00	0.91	0.00	453.69
walls and slab under carpet.					
226. Wipe down walls	356.35 SF	0.00	0.42	0.30	149.97
Wipe down all walls after hepa vac					
227. Apply anti-microbial agent to the floor	142.21 SF	0.00	0.34	0.61	48.96
Totals: 1st office r/h				2.12	987.42



Facilities supply room **Height: 8'**

477.91 SF Walls	218.26 SF Ceiling
696.17 SF Walls & Ceiling	218.26 SF Floor
24.25 SY Flooring	59.16 LF Floor Perimeter
62.41 LF Ceil. Perimeter	

Door **3' 3" X 6' 7"** **Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL

CONTINUED - Facilities supply room

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
228. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
229. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
230. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
231. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
232. Remove Suspended ceiling grid - 2' x 4'	218.26 SF	0.20	0.00	0.00	43.65
Detach Grid and Hangers, Dispose.					
233. Remove Suspended ceiling tile - 2' x 4'	218.26 SF	0.21	0.00	0.00	45.83
Remove and dispose of ceiling tiles					
234. HEPA Vacuuming - Detailed - (PER SF)	696.17 SF	0.00	0.91	0.00	633.51
walls and slab under carpet.					
235. Wipe down walls	477.91 SF	0.00	0.42	0.41	201.13
Wipe down all walls after hepa vac					
236. Apply anti-microbial agent to the floor	218.26 SF	0.00	0.34	0.93	75.14
Totals: Facilities supply room				1.35	1,069.61
Total: 1st Floor				**46.53**	**23,827.68**
Total: Source - DocuSketch				**46.53**	**23,827.68**

General

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
237. Dumpster load - Approx. 40 yards, 7-8 tons of debris	2.00 EA	760.00	0.00	0.00	1,520.00
238. Negative air fan/Air scrubber (24 hr period) - No monit.	60.00 DA	0.00	75.28	0.00	4,516.80
12 air scrubbers for 5 days					
239. Personal protective mask (N-95)	50.00 EA	0.00	1.50	6.39	81.39
5 techs 1 change per day					

CONTINUED - General

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
240. Personal protective gloves - Disposable (per pair) 5 techs 2 changes per day	75.00 EA	0.00	0.39	2.49	31.74
Totals: General				8.88	6,149.93

HVAC

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
241. HVAC - General Laborer - Flex duct removal Labor to detach, remove and dispose of approx 158 LF of Flex ducting 3 techs for 8 hours	24.00 HR	0.00	48.11	0.00	1,154.64
242. HVAC - General Laborer - duct and unit clean Labor to clean all remaining rigid duct, and 2 roof top HVAC units. 4 techs 8 hours a day for 2 days.	64.00 HR	0.00	48.11	0.00	3,079.04
243. HVAC Seal interior of rigid duct work apply anti-microbial sealant to interior of rigid duct	1.00 EA	0.00	3,000.00	0.00	3,000.00
Totals: HVAC				0.00	7,233.68
Line Item Totals: JENKSAQUARIUM				**55.41**	**37,211.29**

Grand Total Areas:

9,380.45	SF Walls	3,358.64	SF Ceiling	12,739.09	SF Walls and Ceiling
3,312.37	SF Floor	368.04	SY Flooring	1,030.61	LF Floor Perimeter
0.00	SF Long Wall	0.00	SF Short Wall	1,254.26	LF Ceil. Perimeter
3,312.37	Floor Area	3,595.67	Total Area	9,380.45	Interior Wall Area
2,764.58	Exterior Wall Area	307.69	Exterior Perimeter of Walls		
0.00	Surface Area	0.00	Number of Squares	0.00	Total Perimeter Length
0.00	Total Ridge Length	0.00	Total Hip Length		

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Summary for Dwelling

Line Item Total	37,155.88
Material Sales Tax	55.41
Replacement Cost Value	**$37,211.29**
Net Claim	**$37,211.29**

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Recap of Taxes

	Material Sales Tax (8.517%)	Manuf. Home Tax (8.517%)	Storage Rental Tax (8.517%)
Line Items	55.41	0.00	0.00
Total	**55.41**	**0.00**	**0.00**

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Recap by Room

Estimate: JENKSAQUARIUM

Area: Source - DocuSketch

Area: 1st Floor		
Front lobby	2,919.89	7.86%
Hallway 4	1,370.60	3.69%
1st Office L/H	2,179.24	5.87%
2nd Office L/H	917.85	2.47%
janitors closet	354.17	0.95%
Mens Restroom 2	370.17	1.00%
Hallway	2,456.54	6.61%
3rd Office L/H Closet	331.81	0.89%
3rd Office L/H	861.95	2.32%
5th office R/H	871.98	2.35%
5th Office R/H Closet	331.81	0.89%
4th Office RH	873.28	2.35%
4th Office RH Closet	334.21	0.90%
4th Office L/H	871.43	2.35%
4th Office L/H Closet	334.21	0.90%
Kitchen	706.69	1.90%
Maintenance room	1,071.11	2.88%
Conference Room	1,497.94	4.03%
2nd Office Closet	642.10	1.73%
2nd Office R/H Side	1,017.50	2.74%
3rd Office R/H	1,017.21	2.74%
Womens restroom. 2	395.90	1.07%
1st office r/h	985.30	2.65%
Facilities supply room	1,068.26	2.88%
Area Subtotal: 1st Floor	**23,781.15**	**64.00%**
Area Subtotal: Source - DocuSketch	**23,781.15**	**64.00%**
General	6,141.05	16.53%
HVAC	7,233.68	19.47%
Subtotal of Areas	**37,155.88**	**100.00%**
Total	**37,155.88**	**100.00%**

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Recap by Category

Items	Total	%
CLEANING	5,104.76	13.72%
GENERAL DEMOLITION	7,414.57	19.93%
PERMITS AND FEES	3,000.00	8.06%
HAZARDOUS MATERIAL REMEDIATION	17,169.17	46.14%
HEAT, VENT & AIR CONDITIONING	4,233.68	11.38%
WATER EXTRACTION & REMEDIATION	233.70	0.63%
Subtotal	37,155.88	99.85%
Material Sales Tax	55.41	0.15%
Total	37,211.29	100.00%


Facilities supply room
Kitchen
5th office R/H
5th Office R/H Closet
4th Office RH
4th Office RH Closet
Conference Room
3rd Office R/H
2nd Office R/H Side
2nd Office Closet
1st Office R/H
Hallway
Maintenance Room
4th Office L/H
3rd Office L/H
3rd Office L/H Closet
2nd Office L/H
4th Office L/H Closet
Womens Restroom
Restroom 2
Hallway 4
Janitors Closet
1st Office L/H
R Island (B Island (B3)
C Island (B2)
Front Lobby
N

1st Floor

OPTION 2

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Insured: Jenks Aquarium
Property: 300 Aquarium Dr
Jenks, OK 74037

Contractor: Jonathan Roberson
Company: BMS CAT
Business: (918) 200-8138
E-mail: jroberson@bmsmanagement.com

Claim Number: 3061153 **Policy Number:** **Type of Loss:**

Date Contacted: 2/5/2026 8:00 AM
Date of Loss: 2/5/2026 12:00 AM
Date Inspected: 2/5/2026 1:00 PM
Date Received: 2/5/2026 8:00 AM
Date Entered: 2/5/2026 6:05 AM

Price List: OKTU8X_FEB26
Restoration/Service/Remodel
Estimate: JENKSAQUARIUM

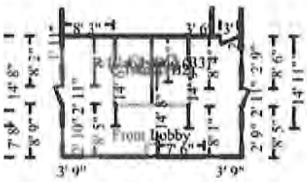
BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

JENKSAQUARIUM

Source - DocuSketch

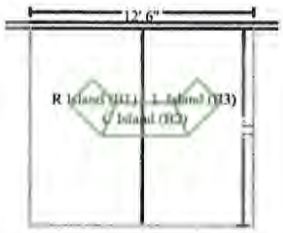
1st Floor



Front lobby **Height: 8' 11"**

604.11	SF Walls	419.86	SF Ceiling
1,023.97	SF Walls & Ceiling	404.46	SF Floor
44.94	SY Flooring	73.43	LF Floor Perimeter
122.74	LF Ceil. Perimeter		

Door	**3' 3/16" X 2' 10 1/4"**	**Opens into HALLWAY_4**
Window	**2' 9 5/16" X 3' 11 5/8"**	**Opens into Exterior**
Window	**10" X 5' 3"**	**Opens into Exterior**
Door	**2' 10 1/2" X 6' 11 7/16"**	**Opens into Exterior**
Window	**10" X 5' 3"**	**Opens into Exterior**
Window	**2' 9 1/4" X 3' 11 1/4"**	**Opens into Exterior**
Window	**2' 7 15/16" X 3' 10 7/8"**	**Opens into Exterior**
Window	**2' 7 15/16" X 3' 10 7/8"**	**Opens into Exterior**
Window	**2' 10 7/16" X 3' 10 7/16"**	**Opens into Exterior**
Window	**10" X 5' 3"**	**Opens into Exterior**
Door	**2' 11 3/8" X 6' 10 11/16"**	**Opens into Exterior**
Window	**10" X 5' 3"**	**Opens into Exterior**
Window	**2' 11 3/16" X 3' 10 7/16"**	**Opens into Exterior**



Subroom: Front Lobby (2) **Height: Peaked**

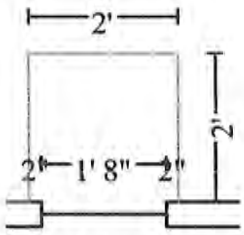
155.04	SF Walls	152.97	SF Ceiling
308.01	SF Walls & Ceiling	122.10	SF Floor
13.57	SY Flooring	12.50	LF Floor Perimeter
29.01	LF Ceil. Perimeter		

Missing Wall - Goes to Floor	**12' 6" X 8' 11"**	**Opens into FRONT_LOBBY**
Missing Wall	**11' X 8' 11"**	**Opens into FRONT_LOBBY**
Missing Wall	**11' X 8' 11"**	**Opens into FRONT_LOBBY**

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

CONTINUED - Front lobby



Subroom: Front Lobby (1) **Height: 11'**

24.73 SF Walls	3.98 SF Ceiling
28.70 SF Walls & Ceiling	3.98 SF Floor
0.44 SY Flooring	2.00 LF Floor Perimeter
7.98 LF Ceil. Perimeter	

Missing Wall - Goes to Floor	**2' X 8' 11"**	**Opens into FRONT_LOBBY**
Missing Wall - Goes to Floor	**1' 11 7/8" X 8' 11"**	**Opens into FRONT_LOBBY**
Window	**1' 8" X 5' 10"**	**Opens into Exterior**
Missing Wall - Goes to Floor	**1' 11 7/8" X 8' 11"**	**Opens into FRONT_LOBBY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
1. Cabinet - lower (base) unit - Detach	10.00 LF	0.00	23.37	0.00	233.70
2. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	87.93 LF	1.10	0.00	0.97	97.69
3. Tear out non-salvageable carpet, cut/bag	530.53 SF	1.11	0.00	2.71	591.60
4. Remove Heat/AC register - Mechanically attached Registers and returns	3.00 EA	2.67	0.00	0.00	8.01
5. Clean register - heat / AC register and return	3.00 EA	0.00	6.74	0.01	20.23
6. Remove Light fixture Detach light fixtures from drop ceiling.	4.00 EA	8.92	0.00	0.00	35.68
7. Clean light fixture - fluorescent	4.00 EA	0.00	16.84	0.02	67.38
8. Remove Suspended ceiling grid - 2' x 4' Detach Grid and Hangers, Dispose.	399.00 SF	0.20	0.00	0.00	79.80
9. Remove Suspended ceiling tile - 2' x 4' Remove and dispose of ceiling tiles	399.00 SF	0.21	0.00	0.00	83.79
10. HEPA Vacuuming - Detailed - (PER SF) walls and slab under carpet.	1,314.41 SF	0.00	0.91	0.00	1,196.11
11. Wipe down walls Wipe down all walls after hepa vac	783.87 SF	0.00	0.42	0.67	329.90
12. Apply anti-microbial agent to the floor	530.53 SF	0.00	0.34	2.26	182.64

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

CONTINUED - Front lobby

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
Totals: Front lobby				6.64	2,926.53



Hallway 4 **Height: 8' 11"**

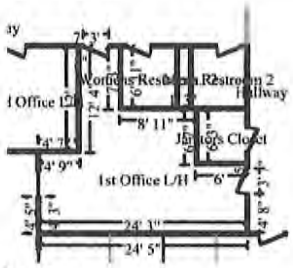
516.03 SF Walls
667.67 SF Walls & Ceiling
16.85 SY Flooring
76.79 LF Ceil. Perimeter
151.64 SF Ceiling
151.64 SF Floor
52.10 LF Floor Perimeter

Door	**2' 11 3/16" X 7' 1/4"**	**Opens into DEF_2ND_OFFI**
Door	**2' 11 3/16" X 7' 1/4"**	**Opens into DEF_3RD_OFFI**
Door	**2' 11 9/16" X 7' 1/4"**	**Opens into Exterior**
Missing Wall - Goes to Floor	**4' 15/16" X 8' 11"**	**Opens into HALLWAY**
Door	**2' 10 1/16" X 7' 1/4"**	**Opens into JANITORS_CLO**
Door	**3' X 7' 1 1/16"**	**Opens into DEF_1ST_OFF2**
Door	**3' 3/16" X 2' 10 1/4"**	**Opens into FRONT_LOBBY**
Door	**2' 11 3/16" X 7' 1/4"**	**Opens into DEF_1ST_OFFI**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
13. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	52.10 LF	1.10	0.00	0.58	57.89
14. Tear out non-salvageable carpet, cut/bag	151.64 SF	1.11	0.00	0.78	169.10
15. Remove Heat/AC register - Mechanically attached	3.00 EA	2.67	0.00	0.00	8.01
Registers and returns					
16. Clean register - heat / AC	3.00 EA	0.00	6.74	0.01	20.23
register and return					
17. Remove Light fixture	3.00 EA	8.92	0.00	0.00	26.76
Detach light fixtures from drop ceiling.					
18. Clean light fixture - fluorescent	3.00 EA	0.00	16.84	0.01	50.53
19. Remove Suspended ceiling grid - 2' x 4'	399.00 SF	0.20	0.00	0.00	79.80
Detach Grid and Hangers, Dispose.					
20. Remove Suspended ceiling tile - 2' x 4'	399.00 SF	0.21	0.00	0.00	83.79
Remove and dispose of ceiling tiles					

CONTINUED - Hallway 4

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
21. HEPA Vacuuming - Detailed - (PER SF)	667.67 SF	0.00	0.91	0.00	607.58
walls and slab under carpet.					
22. Wipe down walls	516.03 SF	0.00	0.42	0.44	217.17
Wipe down all walls after hepa vac					
23. Apply anti-microbial agent to the floor	151.64 SF	0.00	0.34	0.65	52.21
Totals: Hallway 4				2.47	1,373.07



1st Office L/H **Height: 8' 11"**

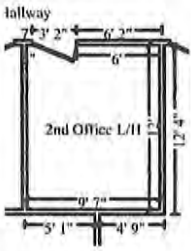
767.94 SF Walls	323.70 SF Ceiling
1,091.64 SF Walls & Ceiling	323.70 SF Floor
35.97 SY Flooring	86.17 LF Floor Perimeter
92.21 LF Ceil. Perimeter	

Door	**3' 7/16" X 7' 5/8"**	**Opens into HALLWAY**
Window	**2' 11 1/4" X 3' 11 1/4"**	**Opens into Exterior**
Door	**3' X 7' 1 1/16"**	**Opens into HALLWAY_4**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
24. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	86.17 LF	1.10	0.00	0.95	95.74
25. Tear out non-salvageable carpet, cut/bag	323.70 SF	1.11	0.00	1.65	360.96
26. Remove Heat/AC register - Mechanically attached	4.00 EA	2.67	0.00	0.00	10.68
Registers and returns					
27. Clean register - heat / AC	4.00 EA	0.00	6.74	0.01	26.97
register and return					
28. Remove Light fixture	5.00 EA	8.92	0.00	0.00	44.60
Detach light fixtures from drop ceiling.					
29. Clean light fixture - fluorescent	5.00 EA	0.00	16.84	0.02	84.22
30. Remove Suspended ceiling grid - 2' x 4'	323.70 SF	0.20	0.00	0.00	64.74
Detach Grid and Hangers, Dispose.					

CONTINUED - 1st Office L/H

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
31. Remove Suspended ceiling tile - 2' x 4'	323.70 SF	0.21	0.00	0.00	67.98
Remove and dispose of ceiling tiles					
32. HEPA Vacuuming - Detailed - (PER SF)	1,091.64 SF	0.00	0.91	0.00	993.39
walls and slab under carpet.					
33. Wipe down walls	767.94 SF	0.00	0.42	0.65	323.18
Wipe down all walls after hepa vac					
34. Apply anti-microbial agent to the floor	323.70 SF	0.00	0.34	1.38	111.44
Totals: 1st Office L/H				4.66	2,183.90



2nd Office L/H **Height: 8' 11"**

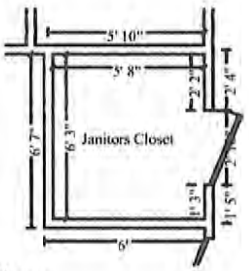
363.37 SF Walls	115.57 SF Ceiling
478.94 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	40.09 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Door **3' 2 1/8" X 7' 5/8"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
35. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	40.09 LF	1.10	0.00	0.44	44.54
36. Tear out non-salvageable carpet, cut/bag	115.57 SF	1.11	0.00	0.59	128.87
37. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
38. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
39. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
40. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
41. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					

CONTINUED - 2nd Office L/H

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
42. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
43. HEPA Vacuuming - Detailed - (PER SF)	478.94 SF	0.00	0.91	0.00	435.84
walls and slab under carpet.					
44. Wipe down walls	363.37 SF	0.00	0.42	0.31	152.93
Wipe down all walls after hepa vac					
45. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: 2nd Office L/H				1.84	919.69



janitors closet **Height: 10'**

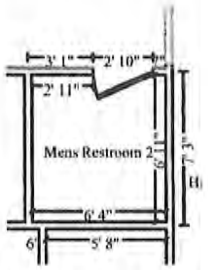
219.04 SF Walls	35.62 SF Ceiling
254.65 SF Walls & Ceiling	35.62 SF Floor
3.96 SY Flooring	21.06 LF Floor Perimeter
23.90 LF Ceil. Perimeter	

Door **2' 10 1/16" X 7' 1/4"** **Opens into HALLWAY_4**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
46. Remove Heat/AC register - Mechanically attached	1.00 EA	2.67	0.00	0.00	2.67
Registers and returns					
47. Clean register - heat / AC	1.00 EA	0.00	6.74	0.00	6.74
register and return					
48. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
49. HEPA Vacuuming - Detailed - (PER SF)	254.65 SF	0.00	0.91	0.00	231.73
walls and slab under carpet.					
50. Wipe down walls	219.04 SF	0.00	0.42	0.19	92.19
Wipe down all walls after hepa vac					
51. Apply anti-microbial agent to the floor	35.62 SF	0.00	0.34	0.15	12.26

CONTINUED - janitors closet

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
Totals: janitors closet				0.34	354.51



Mens Restroom 2 **Height: 7' 11"**

190.11 SF Walls
233.93 SF Walls & Ceiling
4.87 SY Flooring
26.50 LF Ceil. Perimeter
43.82 SF Ceiling
43.82 SF Floor
23.67 LF Floor Perimeter

Door **2' 10" X 6' 11 7/16"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
52. Remove Heat/AC register - Mechanically attached Registers and returns	2.00 EA	2.67	0.00	0.00	5.34
53. Clean register - heat / AC register and return	2.00 EA	0.00	6.74	0.00	13.48
54. Remove Light fixture Detach light fixtures from drop ceiling.	1.00 EA	8.92	0.00	0.00	8.92
55. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
56. Remove Suspended ceiling grid - 2' x 4' Detach Grid and Hangers, Dispose.	43.82 SF	0.20	0.00	0.00	8.76
57. Remove Suspended ceiling tile - 2' x 4' Remove and dispose of ceiling tiles	43.82 SF	0.21	0.00	0.00	9.20
58. HEPA Vacuuming - Detailed - (PER SF) walls and slab under carpet.	233.93 SF	0.00	0.91	0.00	212.88
59. Wipe down walls Wipe down all walls after hepa vac	190.11 SF	0.00	0.42	0.16	80.01
60. Apply anti-microbial agent to the floor	43.82 SF	0.00	0.34	0.19	15.09
Totals: Mens Restroom 2				0.35	370.52

Hallway **Height: 8' 11"**



866.46 SF Walls	264.16 SF Ceiling
1,130.62 SF Walls & Ceiling	264.16 SF Floor
29.35 SY Flooring	90.14 LF Floor Perimeter
127.22 LF Ceil. Perimeter	

Door	**2' 11 15/16" X 7' 1/4"**	**Opens into DEF_4TH_OFF1**
Door	**3' 1/4" X 6' 9 7/8"**	**Opens into CONFERENCE_R**
Missing Wall - Goes to Floor	**4' 15/16" X 8' 11"**	**Opens into HALLWAY_4**
Door	**2' 10" X 6' 11 7/16"**	**Opens into MENS_RESTROO**
Door	**2' 10" X 6' 11 7/16"**	**Opens into WOMENS_RESTR**
Door	**3' 7/16" X 7' 5/8"**	**Opens into DEF_1ST_OFF2**
Door	**3' 2 1/8" X 7' 5/8"**	**Opens into DEF_2ND_OFF3**
Door	**3' 13/16" X 7' 1 1/16"**	**Opens into DEF_3RD_OFF4**
Door	**3' 3/4" X 7' 1 1/16"**	**Opens into DEF_4TH_OFF7**
Door	**3' 3/8" X 7' 1 7/16"**	**Opens into MAINTENANCE_**
Door	**2' 10 13/16" X 6' 11 7/8"**	**Opens into KITCHEN**
Door	**3' 7/16" X 7' 1/4"**	**Opens into DEF_5TH_OFF5**

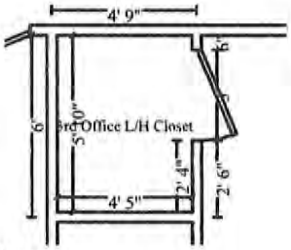
DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
61. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	90.14 LF	1.10	0.00	1.00	100.15
62. Tear out non-salvageable carpet, cut/bag	264.16 SF	1.11	0.00	1.35	294.57
63. Remove Light fixture	5.00 EA	8.92	0.00	0.00	44.60
Detach light fixtures from drop ceiling.					
64. Clean light fixture - fluorescent	5.00 EA	0.00	16.84	0.02	84.22
65. Remove Suspended ceiling grid - 2' x 4'	399.00 SF	0.20	0.00	0.00	79.80
Detach Grid and Hangers, Dispose.					
66. Remove Suspended ceiling tile - 2' x 4'	399.00 SF	0.21	0.00	0.00	83.79
Remove and dispose of ceiling tiles					
67. Tear out wet drywall, cleanup, bag for disposal	120.00 SF	1.12	0.00	1.53	135.93
68. Clean stud wall - Heavy	120.00 SF	0.00	1.29	0.31	155.11
69. HEPA Vacuuming - Detailed - (PER SF)	1,130.62 SF	0.00	0.91	0.00	1,028.86
walls and slab under carpet.					

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

CONTINUED - Hallway

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
70. Wipe down walls	866.46 SF	0.00	0.42	0.74	364.65
Wipe down all walls after hepa vac					
71. Apply anti-microbial agent to the floor	264.16 SF	0.00	0.34	1.13	90.94
Totals: Hallway				6.08	2,462.62



3rd Office L/H Closet **Height: 8' 11"**

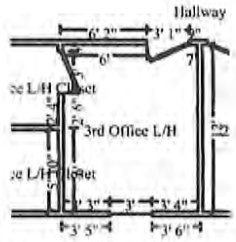
161.87 SF Walls	25.81 SF Ceiling
187.68 SF Walls & Ceiling	25.81 SF Floor
2.87 SY Flooring	17.51 LF Floor Perimeter
20.50 LF Ceil. Perimeter	

Door **3' X 6' 11 7/8"** **Opens into DEF_3RD_OFF4**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
72. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	17.51 LF	1.10	0.00	0.19	19.45
73. Tear out non-salvageable carpet, cut/bag	25.81 SF	1.11	0.00	0.13	28.78
74. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
75. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
76. Remove Suspended ceiling grid - 2' x 4'	25.81 SF	0.20	0.00	0.00	5.16
Detach Grid and Hangers, Dispose.					
77. Remove Suspended ceiling tile - 2' x 4'	25.81 SF	0.21	0.00	0.00	5.42
Remove and dispose of ceiling tiles					
78. HEPA Vacuuming - Detailed - (PER SF)	187.68 SF	0.00	0.91	0.00	170.79
walls and slab under carpet.					
79. Wipe down walls	161.87 SF	0.00	0.42	0.14	68.13
Wipe down all walls after hepa vac					
80. Apply anti-microbial agent to the floor	25.81 SF	0.00	0.34	0.11	8.89
Totals: 3rd Office L/H Closet				0.57	332.38

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



3rd Office L/H **Height: 8' 11"**

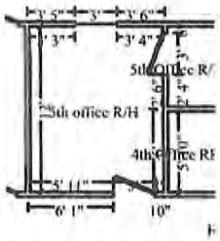
330.82 SF Walls	115.57 SF Ceiling
446.39 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	37.20 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Window	**3' 1/4" X 4' 13/16"**	**Opens into Exterior**
Door	**3' X 6' 11 7/8"**	**Opens into DEF_3RD_OFF1**
Door	**3' 13/16" X 7' 1 1/16"**	**Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
81. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	37.20 LF	1.10	0.00	0.41	41.33
82. Tear out non-salvageable carpet, cut/bag	115.57 SF	1.11	0.00	0.59	128.87
83. Remove Heat/AC register - Mechanically attached	1.00 EA	2.67	0.00	0.00	2.67
Registers and returns					
84. Clean register - heat / AC	1.00 EA	0.00	6.74	0.00	6.74
register and return					
85. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
86. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
87. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					
88. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
89. HEPA Vacuuming - Detailed - (PER SF)	446.39 SF	0.00	0.91	0.00	406.21
walls and slab under carpet.					
90. Wipe down walls	330.82 SF	0.00	0.42	0.28	139.22
Wipe down all walls after hepa vac					
91. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: 3rd Office L/H				1.78	863.73

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



5th office R/H **Height: 8' 11"**

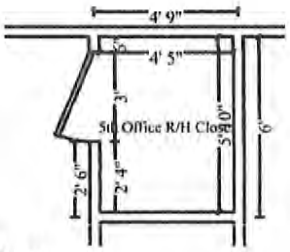
331.25 SF Walls	115.57 SF Ceiling
446.82 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	37.23 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Door	**3' X 6' 11 7/8"**	**Opens into DEF_5TH_OFFI**
Window	**3' 1/4" X 4' 13/16"**	**Opens into Exterior**
Door	**3' 7/16" X 7' 1/4"**	**Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
92. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	37.23 LF	1.10	0.00	0.41	41.36
93. Tear out non-salvageable carpet, cut/bag	115.57 SF	1.11	0.00	0.59	128.87
94. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
95. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
96. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
97. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
98. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					
99. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
100. HEPA Vacuuming - Detailed - (PER SF)	446.82 SF	0.00	0.91	0.00	406.61
walls and slab under carpet.					
101. Wipe down walls	331.25 SF	0.00	0.42	0.28	139.41
Wipe down all walls after hepa vac					
102. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: 5th office R/H				1.78	873.76

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



5th Office R/H Closet **Height: 8' 11"**

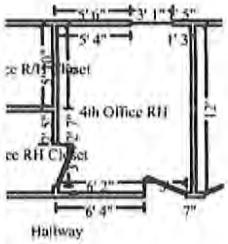
161.87 SF Walls	25.81 SF Ceiling
187.68 SF Walls & Ceiling	25.81 SF Floor
2.87 SY Flooring	17.51 LF Floor Perimeter
20.50 LF Ceil. Perimeter	

Door **3' X 6' 11 7/8"** **Opens into DEF_5TH_OFF5**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
103. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	17.51 LF	1.10	0.00	0.19	19.45
104. Tear out non-salvageable carpet, cut/bag	25.81 SF	1.11	0.00	0.13	28.78
105. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
106. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
107. Remove Suspended ceiling grid - 2' x 4'	25.81 SF	0.20	0.00	0.00	5.16
Detach Grid and Hangers, Dispose.					
108. Remove Suspended ceiling tile - 2' x 4'	25.81 SF	0.21	0.00	0.00	5.42
Remove and dispose of ceiling tiles					
109. HEPA Vacuuming - Detailed - (PER SF)	187.68 SF	0.00	0.91	0.00	170.79
walls and slab under carpet.					
110. Wipe down walls	161.87 SF	0.00	0.42	0.14	68.13
Wipe down all walls after hepa vac					
111. Apply anti-microbial agent to the floor	25.81 SF	0.00	0.34	0.11	8.89
Totals: 5th Office R/H Closet				0.57	332.38

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



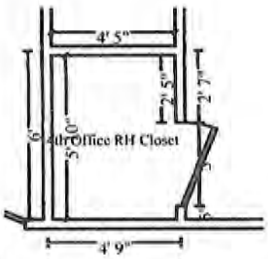
4th Office RH **Height: 8' 11"**

332.19 SF Walls	115.57 SF Ceiling
447.76 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	37.28 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Door	**2' 11 15/16" X 7' 1/4"**	**Opens into HALLWAY**
Door	**2' 11 15/16" X 6' 11 7/8"**	**Opens into DEF_4TH_OFF2**
Window	**3' 11/16" X 3' 9 11/16"**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
112. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	37.28 LF	1.10	0.00	0.41	41.42
113. Tear out non-salvageable carpet, cut/bag	115.57 SF	1.11	0.00	0.59	128.87
114. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
115. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
116. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
117. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
118. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					
119. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
120. HEPA Vacuuming - Detailed - (PER SF)	447.76 SF	0.00	0.91	0.00	407.46
walls and slab under carpet.					
121. Wipe down walls	332.19 SF	0.00	0.42	0.28	139.80
Wipe down all walls after hepa vac					
122. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: 4th Office RH				1.78	875.06

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



4th Office RH Closet **Height: 8' 11"**

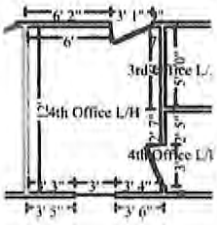
163.01 SF Walls	26.09 SF Ceiling
189.09 SF Walls & Ceiling	26.09 SF Floor
2.90 SY Flooring	17.63 LF Floor Perimeter
20.63 LF Ceil. Perimeter	

Door **2' 11 15/16" X 6' 11 7/8"** **Opens into DEF_4TH_OFF1**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
123. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	17.63 LF	1.10	0.00	0.20	19.59
124. Tear out non-salvageable carpet, cut/bag	26.09 SF	1.11	0.00	0.13	29.09
125. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
126. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
127. Remove Suspended ceiling grid - 2' x 4'	26.09 SF	0.20	0.00	0.00	5.22
Detach Grid and Hangers, Dispose.					
128. Remove Suspended ceiling tile - 2' x 4'	26.09 SF	0.21	0.00	0.00	5.48
Remove and dispose of ceiling tiles					
129. HEPA Vacuuming - Detailed - (PER SF)	189.09 SF	0.00	0.91	0.00	172.07
walls and slab under carpet.					
130. Wipe down walls	163.01 SF	0.00	0.42	0.14	68.60
Wipe down all walls after hepa vac					
131. Apply anti-microbial agent to the floor	26.09 SF	0.00	0.34	0.11	8.98
Totals: 4th Office RH Closet				0.58	334.79

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



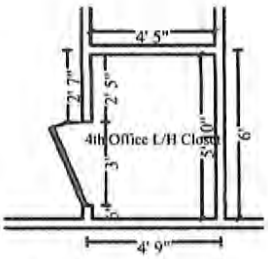
4th Office L/H **Height: 8' 11"**

330.86 SF Walls	115.57 SF Ceiling
446.43 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	37.21 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Door	**2' 11 15/16" X 6' 11 7/8"**	**Opens into DEF_4TH_OFFI**
Window	**3' 1/4" X 4' 13/16"**	**Opens into Exterior**
Missing Wall - Goes to Ceiling	**12' 1/8" X -1' 1"**	**Opens into MAINTENANCE_**
Door	**3' 3/4" X 7' 1 1/16"**	**Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
132. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	37.21 LF	1.10	0.00	0.41	41.34
133. Tear out non-salvageable carpet, cut/bag	115.57 SF	1.11	0.00	0.59	128.87
134. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
135. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
136. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
137. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
138. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					
139. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
140. HEPA Vacuuming - Detailed - (PER SF)	446.43 SF	0.00	0.91	0.00	406.25
walls and slab under carpet.					
141. Wipe down walls	330.86 SF	0.00	0.42	0.28	139.24
Wipe down all walls after hepa vac					
142. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: 4th Office L/H				1.78	873.21

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



4th Office L/H Closet **Height: 8' 11"**

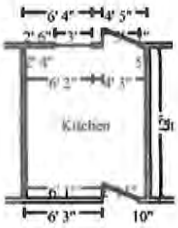
163.01 SF Walls	26.09 SF Ceiling
189.09 SF Walls & Ceiling	26.09 SF Floor
2.90 SY Flooring	17.63 LF Floor Perimeter
20.63 LF Ceil. Perimeter	

Door **2' 11 15/16" X 6' 11 7/8"** **Opens into DEF_4TH_OFF7**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
143. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	17.63 LF	1.10	0.00	0.20	19.59
144. Tear out non-salvageable carpet, cut/bag	26.09 SF	1.11	0.00	0.13	29.09
145. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
146. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
147. Remove Suspended ceiling grid - 2' x 4'	26.09 SF	0.20	0.00	0.00	5.22
Detach Grid and Hangers, Dispose.					
148. Remove Suspended ceiling tile - 2' x 4'	26.09 SF	0.21	0.00	0.00	5.48
Remove and dispose of ceiling tiles					
149. HEPA Vacuuming - Detailed - (PER SF)	189.09 SF	0.00	0.91	0.00	172.07
walls and slab under carpet.					
150. Wipe down walls	163.01 SF	0.00	0.42	0.14	68.60
Wipe down all walls after hepa vac					
151. Apply anti-microbial agent to the floor	26.09 SF	0.00	0.34	0.11	8.98
Totals: 4th Office L/H Closet				0.58	334.79

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



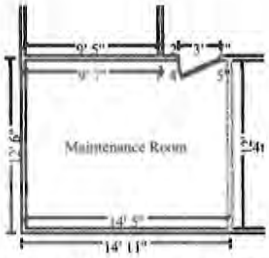
Kitchen **Height: 8' 11"**

332.21 SF Walls	115.57 SF Ceiling
447.78 SF Walls & Ceiling	115.57 SF Floor
12.84 SY Flooring	37.37 LF Floor Perimeter
43.27 LF Ceil. Perimeter	

Door	**2' 10 13/16" X 6' 11 7/8"**	**Opens into HALLWAY**
Window	**2' 11 15/16" X 4' 1 3/16"**	**Opens into Exterior**
Door	**2' 11 7/8" X 7' 1/4"**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
152. Remove Heat/AC register - Mechanically attached	3.00 EA	2.67	0.00	0.00	8.01
Registers and returns					
153. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
154. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
155. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
156. Remove Suspended ceiling grid - 2' x 4'	115.57 SF	0.20	0.00	0.00	23.11
Detach Grid and Hangers, Dispose.					
157. Remove Suspended ceiling tile - 2' x 4'	115.57 SF	0.21	0.00	0.00	24.27
Remove and dispose of ceiling tiles					
158. HEPA Vacuuming - Detailed - (PER SF)	447.78 SF	0.00	0.91	0.00	407.48
walls and slab under carpet.					
159. Wipe down walls and cabinetry	332.21 SF	0.00	0.42	0.28	139.81
Wipe down all walls after hepa vac					
160. Apply anti-microbial agent to the floor	115.57 SF	0.00	0.34	0.49	39.78
Totals: Kitchen				0.78	707.47

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753



Maintenance room **Height: 13' 2"**

635.76	SF Walls	172.91	SF Ceiling
808.67	SF Walls & Ceiling	172.91	SF Floor
19.21	SY Flooring	49.78	LF Floor Perimeter
52.81	LF Ceil. Perimeter		

Missing Wall - Goes to Ceiling **12' 1/8" X 3' 2"** **Opens into DEF_4TH_OFF7**

Door **3' 3/8" X 7' 1 7/16"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
161. Remove Heat/AC register - Mechanically attached Registers and returns	1.00 EA	2.67	0.00	0.00	2.67
162. Clean register - heat / AC register and return	1.00 EA	0.00	6.74	0.00	6.74
163. HEPA Vacuuming - Detailed - (PER SF) walls and slab under carpet.	808.67 SF	0.00	0.91	0.00	735.89
164. Wipe down walls Wipe down all walls after hepa vac	635.76 SF	0.00	0.42	0.54	267.56
165. Apply anti-microbial agent to the floor	172.91 SF	0.00	0.34	0.74	59.53
Totals: Maintenance room				1.28	1,072.39



Conference Room **Height: 8' 11"**

518.92	SF Walls	229.65	SF Ceiling
748.57	SF Walls & Ceiling	229.65	SF Floor
25.52	SY Flooring	60.12	LF Floor Perimeter
63.14	LF Ceil. Perimeter		

Window **2' 10 5/16" X 4' 1/16"** **Opens into Exterior**

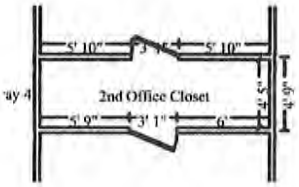
Window **3' 1/4" X 3' 11 5/8"** **Opens into Exterior**

Door **3' 1/4" X 6' 9 7/8"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
166. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	60.12 LF	1.10	0.00	0.67	66.80

CONTINUED - Conference Room

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
167. Tear out non-salvageable carpet, cut/bag	229.65 SF	1.11	0.00	1.17	256.08
168. Remove Heat/AC register - Mechanically attached	3.00 EA	2.67	0.00	0.00	8.01
Registers and returns					
169. Clean register - heat / AC	3.00 EA	0.00	6.74	0.01	20.23
register and return					
170. Remove Light fixture	3.00 EA	8.92	0.00	0.00	26.76
Detach light fixtures from drop ceiling.					
171. Clean light fixture - fluorescent	3.00 EA	0.00	16.84	0.01	50.53
172. Remove Suspended ceiling grid - 2' x 4'	229.65 SF	0.20	0.00	0.00	45.93
Detach Grid and Hangers, Dispose.					
173. Remove Suspended ceiling tile - 2' x 4'	229.65 SF	0.21	0.00	0.00	48.23
Remove and dispose of ceiling tiles					
174. HEPA Vacuuming - Detailed - (PER SF)	748.57 SF	0.00	0.91	0.00	681.20
walls and slab under carpet.					
175. Wipe down walls	518.92 SF	0.00	0.42	0.44	218.39
Wipe down all walls after hepa vac					
176. Apply anti-microbial agent to the floor	229.65 SF	0.00	0.34	0.98	79.06
Totals: Conference Room				3.28	1,501.22



2nd Office Closet **Height: 8' 11"**

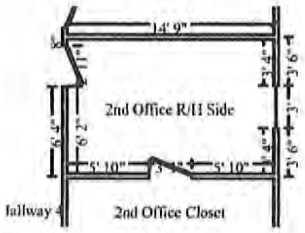
299.89 SF Walls	65.68 SF Ceiling
365.57 SF Walls & Ceiling	65.68 SF Floor
7.30 SY Flooring	32.33 LF Floor Perimeter
38.45 LF Ceil. Perimeter	

Door	**3' 3/4" X 7' 1/4"**	**Opens into DEF_2ND_OFFI**
Door	**3' 11/16" X 7' 1/4"**	**Opens into DEF_1ST_OFFI**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL

CONTINUED - 2nd Office Closet

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
177. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	32.33 LF	1.10	0.00	0.36	35.92
178. Tear out non-salvageable carpet, cut/bag	65.68 SF	1.11	0.00	0.34	73.24
179. Remove Light fixture	1.00 EA	8.92	0.00	0.00	8.92
Detach light fixtures from drop ceiling.					
180. Clean light fixture - fluorescent	1.00 EA	0.00	16.84	0.00	16.84
181. Remove Suspended ceiling grid - 2' x 4'	65.68 SF	0.20	0.00	0.00	13.14
Detach Grid and Hangers, Dispose.					
182. Remove Suspended ceiling tile - 2' x 4'	65.68 SF	0.21	0.00	0.00	13.79
Remove and dispose of ceiling tiles					
183. HEPA Vacuuming - Detailed - (PER SF)	365.57 SF	0.00	0.91	0.00	332.67
walls and slab under carpet.					
184. Wipe down walls	299.89 SF	0.00	0.42	0.26	126.21
Wipe down all walls after hepa vac					
185. Apply anti-microbial agent to the floor	65.68 SF	0.00	0.34	0.28	22.61
Totals: 2nd Office Closet				1.24	643.34



2nd Office R/H Side **Height: 8' 11"**

380.57 SF Walls	142.21 SF Ceiling
522.78 SF Walls & Ceiling	142.21 SF Floor
15.80 SY Flooring	42.81 LF Floor Perimeter
48.80 LF Ceil. Perimeter	

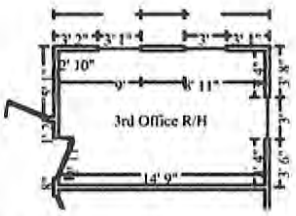
Window	**2' 11 13/16" X 4' 2 3/8"**	**Opens into Exterior**
Door	**3' 3/4" X 7' 1/4"**	**Opens into DEF_2ND_OFF1**
Door	**2' 11 3/16" X 7' 1/4"**	**Opens into HALLWAY_4**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
186. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	42.81 LF	1.10	0.00	0.47	47.56
187. Tear out non-salvageable carpet, cut/bag	142.21 SF	1.11	0.00	0.73	158.58

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

CONTINUED - 2nd Office R/H Side

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
188. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
189. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
190. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
191. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
192. Remove Suspended ceiling grid - 2' x 4'	142.21 SF	0.20	0.00	0.00	28.44
Detach Grid and Hangers, Dispose.					
193. Remove Suspended ceiling tile - 2' x 4'	142.21 SF	0.21	0.00	0.00	29.86
Remove and dispose of ceiling tiles					
194. HEPA Vacuuming - Detailed - (PER SF)	522.78 SF	0.00	0.91	0.00	475.73
walls and slab under carpet.					
195. Wipe down walls	380.57 SF	0.00	0.42	0.32	160.16
Wipe down all walls after hepa vac					
196. Apply anti-microbial agent to the floor	142.21 SF	0.00	0.34	0.61	48.96
Totals: 2nd Office R/H Side				2.14	1,019.64



3rd Office R/H **Height: 8' 11"**

377.82 SF Walls	142.21 SF Ceiling
520.03 SF Walls & Ceiling	142.21 SF Floor
15.80 SY Flooring	45.87 LF Floor Perimeter
48.80 LF Ceil. Perimeter	

Window	**2' 11 7/8" X 4' 1/16"**	**Opens into Exterior**
Window	**3' 1 1/16" X 3' 11 5/8"**	**Opens into Exterior**
Window	**2' 11 13/16" X 4' 2 3/8"**	**Opens into Exterior**
Door	**2' 11 3/16" X 7' 1/4"**	**Opens into HALLWAY_4**

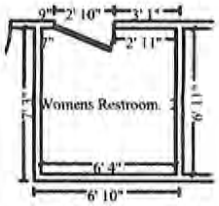
DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

CONTINUED - 3rd Office R/H

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
197. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	45.87 LF	1.10	0.00	0.51	50.97
198. Tear out non-salvageable carpet, cut/bag	142.21 SF	1.11	0.00	0.73	158.58
199. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
200. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
201. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
202. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
203. Remove Suspended ceiling grid - 2' x 4'	142.21 SF	0.20	0.00	0.00	28.44
Detach Grid and Hangers, Dispose.					
204. Remove Suspended ceiling tile - 2' x 4'	142.21 SF	0.21	0.00	0.00	29.86
Remove and dispose of ceiling tiles					
205. HEPA Vacuuming - Detailed - (PER SF)	520.03 SF	0.00	0.91	0.00	473.23
walls and slab under carpet.					
206. Wipe down walls	377.82 SF	0.00	0.42	0.32	159.00
Wipe down all walls after hepa vac					
207. Apply anti-microbial agent to the floor	142.21 SF	0.00	0.34	0.61	48.96
Totals: 3rd Office R/H				2.18	1,019.39



Womens restroom. 2 **Height: 7' 11"**

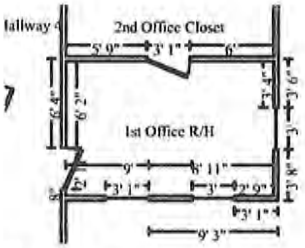
190.09 SF Walls	43.82 SF Ceiling
233.91 SF Walls & Ceiling	43.82 SF Floor
4.87 SY Flooring	23.67 LF Floor Perimeter
26.50 LF Ceil. Perimeter	

Door **2' 10" X 6' 11 7/16"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL

CONTINUED - Womens restroom. 2

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
208. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
209. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
210. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
211. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
212. Remove Suspended ceiling grid - 2' x 4'	43.82 SF	0.20	0.00	0.00	8.76
Detach Grid and Hangers, Dispose.					
213. Remove Suspended ceiling tile - 2' x 4'	43.82 SF	0.21	0.00	0.00	9.20
Remove and dispose of ceiling tiles					
214. HEPA Vacuuming - Detailed - (PER SF)	233.91 SF	0.00	0.91	0.00	212.86
walls and slab under carpet.					
215. Wipe down walls	190.09 SF	0.00	0.42	0.16	80.00
Wipe down all walls after hepa vac					
216. Apply anti-microbial agent to the floor	43.82 SF	0.00	0.34	0.19	15.09
Totals: Womens restroom. 2				0.36	396.26



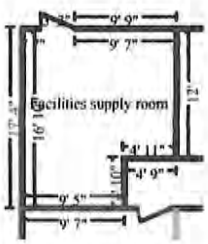
1st office r/h **Height: 8' 11"**

356.35 SF Walls	142.21 SF Ceiling
498.56 SF Walls & Ceiling	142.21 SF Floor
15.80 SY Flooring	42.82 LF Floor Perimeter
48.80 LF Ceil. Perimeter	

Door	**3' 11/16" X 7' 1/4"**	**Opens into DEF_2ND_OFF1**
Door	**2' 11 3/16" X 7' 1/4"**	**Opens into HALLWAY_4**
Window	**2' 11 7/8" X 4' 1/16"**	**Opens into Exterior**
Window	**3' 1 1/16" X 3' 11 5/8"**	**Opens into Exterior**
Window	**2' 11 13/16" X 4' 2 3/8"**	**Opens into Exterior**

CONTINUED - 1st office r/h

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
217. Tear out cove base and bag for disp. - up to Cat 3 aft hrs	42.82 LF	1.10	0.00	0.47	47.57
218. Tear out non-salvageable carpet, cut/bag	142.21 SF	1.11	0.00	0.73	158.58
219. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
220. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
221. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
222. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
223. Remove Suspended ceiling grid - 2' x 4'	142.21 SF	0.20	0.00	0.00	28.44
Detach Grid and Hangers, Dispose.					
224. Remove Suspended ceiling tile - 2' x 4'	142.21 SF	0.21	0.00	0.00	29.86
Remove and dispose of ceiling tiles					
225. HEPA Vacuuming - Detailed - (PER SF)	498.56 SF	0.00	0.91	0.00	453.69
walls and slab under carpet.					
226. Wipe down walls	356.35 SF	0.00	0.42	0.30	149.97
Wipe down all walls after hepa vac					
227. Apply anti-microbial agent to the floor	142.21 SF	0.00	0.34	0.61	48.96
Totals: 1st office r/h				2.12	987.42



Facilities supply room **Height: 8'**

477.91 SF Walls	218.26 SF Ceiling
696.17 SF Walls & Ceiling	218.26 SF Floor
24.25 SY Flooring	59.16 LF Floor Perimeter
62.41 LF Ceil. Perimeter	

Door **3' 3" X 6' 7"** **Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL

CONTINUED - Facilities supply room

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
228. Remove Heat/AC register - Mechanically attached	2.00 EA	2.67	0.00	0.00	5.34
Registers and returns					
229. Clean register - heat / AC	2.00 EA	0.00	6.74	0.00	13.48
register and return					
230. Remove Light fixture	2.00 EA	8.92	0.00	0.00	17.84
Detach light fixtures from drop ceiling.					
231. Clean light fixture - fluorescent	2.00 EA	0.00	16.84	0.01	33.69
232. Remove Suspended ceiling grid - 2' x 4'	218.26 SF	0.20	0.00	0.00	43.65
Detach Grid and Hangers, Dispose.					
233. Remove Suspended ceiling tile - 2' x 4'	218.26 SF	0.21	0.00	0.00	45.83
Remove and dispose of ceiling tiles					
234. HEPA Vacuuming - Detailed - (PER SF)	696.17 SF	0.00	0.91	0.00	633.51
walls and slab under carpet.					
235. Wipe down walls	477.91 SF	0.00	0.42	0.41	201.13
Wipe down all walls after hepa vac					
236. Apply anti-microbial agent to the floor	218.26 SF	0.00	0.34	0.93	75.14
Totals: Facilities supply room				1.35	1,069.61
Total: 1st Floor				**46.53**	**23,827.68**
Total: Source - DocuSketch				**46.53**	**23,827.68**

General

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
237. Dumpster load - Approx. 40 yards, 7-8 tons of debris	2.00 EA	760.00	0.00	0.00	1,520.00
238. Negative air fan/Air scrubber (24 hr period) - No monit.	60.00 DA	0.00	75.28	0.00	4,516.80
12 air scrubbers for 5 days					
239. Personal protective mask (N-95)	50.00 EA	0.00	1.50	6.39	81.39
5 techs 1 change per day					

CONTINUED - General

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
240. Personal protective gloves - Disposable (per pair)	75.00 EA	0.00	0.39	2.49	31.74
5 techs 2 changes per day					
Totals: General				8.88	6,149.93

HVAC

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
241. HVAC duct and insulation	1.00 EA	0.00	16,680.00	0.00	16,680.00
Cost to remove all flex duct and detach and remove all rigid duct with internal insulation.					
242. HVAC - General Laborer - per hour	16.00 HR	0.00	48.11	0.00	769.76
labor to Clean roof top HVAC units 1 & 2 Will use HVAC approved cleaning solutions, to clean interior of units and coils.					
Totals: HVAC				0.00	17,449.76
Line Item Totals: JENKSAQUARIUM				**55.41**	**47,427.37**

Grand Total Areas:

9,380.45	SF Walls	3,358.64	SF Ceiling	12,739.09	SF Walls and Ceiling
3,312.37	SF Floor	368.04	SY Flooring	1,030.61	LF Floor Perimeter
0.00	SF Long Wall	0.00	SF Short Wall	1,254.26	LF Ceil. Perimeter
3,312.37	Floor Area	3,595.67	Total Area	9,380.45	Interior Wall Area
2,764.58	Exterior Wall Area	307.69	Exterior Perimeter of Walls		
0.00	Surface Area	0.00	Number of Squares	0.00	Total Perimeter Length
0.00	Total Ridge Length	0.00	Total Hip Length		

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Summary for Dwelling

Line Item Total	47,371.96
Material Sales Tax	55.41
Replacement Cost Value	**$47,427.37**
Net Claim	**$47,427.37**

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Recap of Taxes

	Material Sales Tax (8.517%)	Manuf. Home Tax (8.517%)	Storage Rental Tax (8.517%)
Line Items	55.41	0.00	0.00
Total	**55.41**	**0.00**	**0.00**

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Recap by Room

Estimate: JENKSAQUARIUM

Area: Source - DocuSketch

Area: 1st Floor

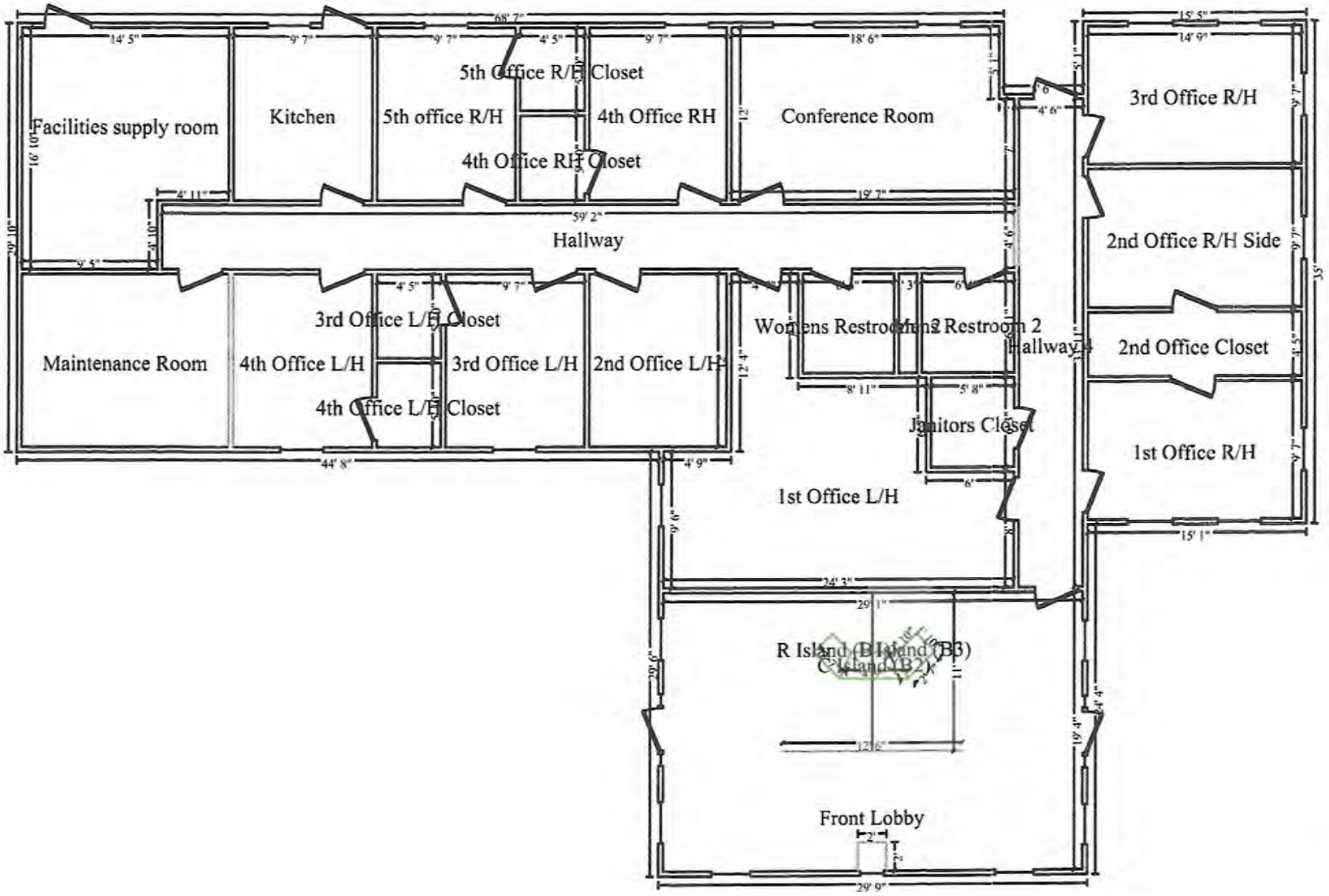
Front lobby	2,919.89	6.16%
Hallway 4	1,370.60	2.89%
1st Office L/H	2,179.24	4.60%
2nd Office L/H	917.85	1.94%
janitors closet	354.17	0.75%
Mens Restroom 2	370.17	0.78%
Hallway	2,456.54	5.19%
3rd Office L/H Closet	331.81	0.70%
3rd Office L/H	861.95	1.82%
5th office R/H	871.98	1.84%
5th Office R/H Closet	331.81	0.70%
4th Office RH	873.28	1.84%
4th Office RH Closet	334.21	0.71%
4th Office L/H	871.43	1.84%
4th Office L/H Closet	334.21	0.71%
Kitchen	706.69	1.49%
Maintenance room	1,071.11	2.26%
Conference Room	1,497.94	3.16%
2nd Office Closet	642.10	1.36%
2nd Office R/H Side	1,017.50	2.15%
3rd Office R/H	1,017.21	2.15%
Womens restroom. 2	395.90	0.84%
1st office r/h	985.30	2.08%
Facilities supply room	1,068.26	2.26%
Area Subtotal: 1st Floor	**23,781.15**	**50.20%**
Area Subtotal: Source - DocuSketch	**23,781.15**	**50.20%**
General	6,141.05	12.96%
HVAC	17,449.76	36.84%
Subtotal of Areas	**47,371.96**	**100.00%**
Total	**47,371.96**	**100.00%**

BMS CAT

Blackmon Mooring / BMS CAT
11605 E 27th ST N
Suite E
Tulsa, OK 74116
918-393-2753

Recap by Category

Items	Total	%
CLEANING	5,104.76	10.76%
GENERAL DEMOLITION	7,414.57	15.63%
PERMITS AND FEES	16,680.00	35.17%
HAZARDOUS MATERIAL REMEDIATION	17,169.17	36.20%
HEAT, VENT & AIR CONDITIONING	769.76	1.62%
WATER EXTRACTION & REMEDIATION	233.70	0.49%
Subtotal	47,371.96	99.88%
Material Sales Tax	55.41	0.12%
Total	47,427.37	100.00%


Facilities supply room
Kitchen
5th office R/H
5th Office R/H Closet
4th Office RH
4th Office RH Closet
Conference Room
Hallway
3rd Office R/H
2nd Office R/H Side
2nd Office Closet
1st Office R/H
Maintenance Room
4th Office L/H
3rd Office L/H
2nd Office L/H
3rd Office L/H Closet
4th Office L/H Closet
Womens Restroom
Restroom 2
Hallway 4
Janitors Closet
1st Office L/H
R Island (B1)
Island (B3)
Island (B2)
Front Lobby
N

1st Floor

Reset Restoration Company

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

Client: Oklahoma Aquarium
Property: Docusketch
Docusketch, AK 11111

Operator: LORI

Estimator: Lori Lieb

Business: (918) 582-7373
E-mail: lori@resettulsa.com

Type of Estimate:
Date Entered: 2/4/2026

Date Assigned:

Price List: OKTU8X_FEB26
Labor Efficiency: Restoration/Service/Remodel
Estimate: OKLAHOMA_AQUARIUM

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

OKLAHOMA_AQUARIUM

Source - DocuSketch

1st Floor

1st Floor

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
20. Suspended ceiling grid - Detach & reset	1,757.31 SF	0.00	2.04	0.00	3,584.91
22. Remove wet suspended ceiling tile and bag for disposal	3,514.61 SF	0.48	0.00	14.97	1,701.98
24. HEPA Vacuuming - Light - (PER SF)	16,785.37 SF	0.00	0.47	0.00	7,889.12
25. Apply plant-based anti-microbial agent to more than the walls and ceiling	16,785.37 SF	0.00	0.35	85.78	5,960.66
26. HEPA Vacuuming - Detailed - (PER SF)	16,785.37 SF	0.00	0.91	0.00	15,274.69
27. Neg. air fan/Air scrub.-Large (per 24 hr period)-No monit.	25.00 DA	0.00	117.56	0.00	2,939.00
30. Remove Fiberglass duct wrap, 1 1/2" thick	3,514.61 SF	0.41	0.00	0.00	1,440.99
32. Dumpster load - Approx. 30 yards, 5-7 tons of debris	1.00 EA	590.00	0.00	0.00	590.00
41. Duct Cleaning	1.00 EA	0.00	7,500.00	0.00	7,500.00
42. Electrician - per hour	10.00 HR	0.00	250.00	0.00	2,500.00
45. Containment Barrier/Airlock/Decon. Chamber	500.00 SF	0.00	1.13	7.24	572.24
46. Protect - Cover with plastic	400.00 SF	0.00	0.37	4.43	152.43
56. Hazardous Waste/Mold Cleaning Technician - per hour	120.00 HR	0.00	71.72	0.00	8,606.40
clean contents left onsite					
Total: 1st Floor				112.42	58,712.42

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

Hall1 2 **Height: 9'**

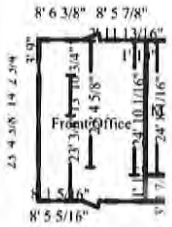


524.37 SF Walls	157.83 SF Ceiling
682.20 SF Walls & Ceiling	157.83 SF Floor
17.54 SY Flooring	53.80 LF Floor Perimeter
79.29 LF Ceil. Perimeter	

Missing Wall - Goes to Floor	**3' 2 7/8" X 7' 1 13/16"**	**Opens into FROMT_OFFICE**
Door	**2' 11 9/16" X 6' 11 7/8"**	**Opens into MAIN_OFFICE_**
Door	**3' 13/16" X 7' 1 7/16"**	**Opens into ICE_MACHINE**
Missing Wall - Goes to Floor	**4' 3 1/8" X 8' 11 1/2"**	**Opens into HALL_2_**
Door	**3' X 7' 2 1/4"**	**Opens into Exterior**
Door	**2' 10 15/16" X 7' 1/4"**	**Opens into MATTS_OFFICE**
Door	**3' 7/16" X 7' 1 7/16"**	**Opens into TATES_OFFICE**
Door	**3' 1/8" X 7' 2 5/8"**	**Opens into SHAWN_OFFICE**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
1. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	157.83 SF	1.93	0.00	0.81	305.42
44. Tear out wet drywall, cleanup, bag for disposal	40.00 SF	1.12	0.00	0.51	45.31
Totals: Hall1 2				1.32	350.73

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373



Fromt Office **Height: 9'**

718.27 SF Walls	570.41 SF Ceiling
1,288.68 SF Walls & Ceiling	570.41 SF Floor
63.38 SY Flooring	88.69 LF Floor Perimeter
97.67 LF Ceil. Perimeter	

Missing Wall - Goes to Floor	**3' 2 7/8" X 7' 1 13/16"**	**Opens into HALL1__2**
Window	**2' 11 3/8" X 4'**	**Opens into Exterior**
Window	**10 9/16" X 5' 5 3/4"**	**Opens into Exterior**
Door	**2' 9 7/8" X 6' 11 7/16"**	**Opens into Exterior**
Window	**10 3/16" X 5' 4 9/16"**	**Opens into Exterior**
Window	**2' 11 13/16" X 4'**	**Opens into Exterior**
Window	**2' 11" X 4'**	**Opens into Exterior**
Window	**2' 13/16" X 3' 11 1/4"**	**Opens into Exterior**
Window	**3' 5/8" X 4'**	**Opens into Exterior**
Window	**2' 11 5/16" X 4'**	**Opens into Exterior**
Window	**10 5/16" X 5' 4 15/16"**	**Opens into Exterior**
Door	**2' 11 1/16" X 6' 11 1/16"**	**Opens into Exterior**
Window	**10 3/8" X 5' 3 3/4"**	**Opens into Exterior**
Window	**2' 10 11/16" X 4'**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
3. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	570.41 SF	1.93	0.00	2.91	1,103.80
Totals: Fromt Office				2.91	1,103.80



Main office **Height: 9'**

792.03 SF Walls	337.91 SF Ceiling
1,129.94 SF Walls & Ceiling	337.91 SF Floor
37.55 SY Flooring	88.00 LF Floor Perimeter
94.02 LF Ceil. Perimeter	

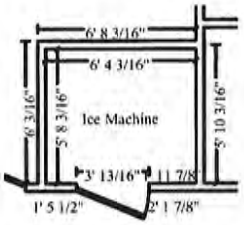
Door	**3' 3/4" X 7' 5/8"**	**Opens into HALL_2_**
Window	**2' 11 7/8" X 3' 11 5/8"**	**Opens into Exterior**
Door	**2' 11 9/16" X 6' 11 7/8"**	**Opens into HALL1__2**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

CONTINUED - Main office

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
4. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	337.91 SF	1.93	0.00	1.73	653.90
Totals: Main office				1.73	653.90



Ice Machine **Height: 8'**

170.64 SF Walls	36.07 SF Ceiling
206.72 SF Walls & Ceiling	36.07 SF Floor
4.01 SY Flooring	20.99 LF Floor Perimeter
24.06 LF Ceil. Perimeter	

Door **3' 13/16" X 7' 1 7/16"** **Opens into HALL1__2**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
39. Tear out cove base molding	20.99 LF	0.43	0.00	0.00	9.03
40. Tear out wet drywall, cleanup, bag - Cat 3	10.00 SF	1.62	0.00	0.13	16.33
Totals: Ice Machine				0.13	25.36

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373



Hall 2 **Height: 9'**

878.36	SF Walls	276.57	SF Ceiling
1,154.92	SF Walls & Ceiling	276.57	SF Floor
30.73	SY Flooring	90.81	LF Floor Perimeter
128.25	LF Ceil. Perimeter		

Door	**2' 11 13/16" X 7' 2 1/4"**	**Opens into ERIC_OFFICE**
Door	**3' 1 5/16" X 7' 1 7/16"**	**Opens into KELLY_OFFICE**
Door	**3' 1/4" X 7' 2 1/4"**	**Opens into CONFERENCE_R**
Missing Wall - Goes to Floor	**4' 3 1/8" X 8' 11 1/2"**	**Opens into HALL1__2**
Door	**3' 1 7/16" X 7' 1 13/16"**	**Opens into MENS_ROOM**
Door	**2' 11 13/16" X 7' 3"**	**Opens into WOMENS_ROOM**
Door	**3' 3/4" X 7' 5/8"**	**Opens into MAIN_OFFICE_**
Door	**2' 11 3/4" X 7' 3 3/8"**	**Opens into AARON_OFFICE**
Door	**2' 10 7/16" X 7' 1 7/16"**	**Opens into COLBY_OFFICE**
Door	**2' 11 7/8" X 7' 2 5/8"**	**Opens into JASON_OFFICE**
Door	**3' 1 1/2" X 7' 1 13/16"**	**Opens into SPRINKLER_RO**
Door	**2' 11 1/4" X 7' 1 1/16"**	**Opens into KITCHEM_**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
5. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	276.57 SF	1.93	0.00	1.41	535.19
Totals: Hall 2				1.41	535.19



Conference Room **Height: 9'**

536.72	SF Walls	242.81	SF Ceiling
779.54	SF Walls & Ceiling	242.81	SF Floor
26.98	SY Flooring	61.82	LF Floor Perimeter
64.84	LF Ceil. Perimeter		

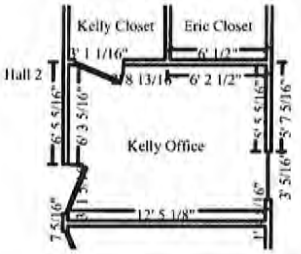
Window	**3' 1 5/16" X 4' 13/16"**	**Opens into Exterior**
Window	**3' X 4' 2"**	**Opens into Exterior**
Door	**3' 1/4" X 7' 2 1/4"**	**Opens into HALL_2_**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
6. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	242.81 SF	1.93	0.00	1.24	469.86

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

CONTINUED - Conference Room

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
Totals: Conference Room				1.24	469.86



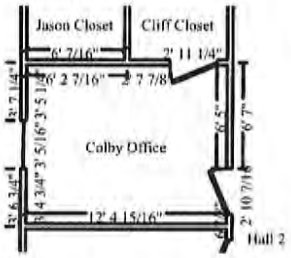
Kelly Office **Height: 9'**

343.64 SF Walls
465.75 SF Walls & Ceiling
13.57 SY Flooring
44.51 LF Ceil. Perimeter

122.11 SF Ceiling
122.11 SF Floor
38.31 LF Floor Perimeter

Door	**3' 1 1/16" X 7' 2 5/8"**	**Opens into KELLY_CLOSET**
Door	**3' 1 5/16" X 7' 1 7/16"**	**Opens into HALL_2_**
Window	**3' 5/16" X 4' 1 5/8"**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
7. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	122.11 SF	1.93	0.00	0.62	236.29
Totals: Kelly Office				0.62	236.29



Colby Office **Height: 9'**

346.61 SF Walls
468.97 SF Walls & Ceiling
13.60 SY Flooring
44.54 LF Ceil. Perimeter

122.36 SF Ceiling
122.36 SF Floor
38.73 LF Floor Perimeter

Door	**2' 10 7/16" X 7' 1 7/16"**	**Opens into HALL_2_**
Door	**2' 11 1/4" X 7' 1 1/16"**	**Opens into CLIFF_CLOSET**
Window	**3' 5/16" X 4' 3 9/16"**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
8. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	122.36 SF	1.93	0.00	0.63	236.78
Totals: Colby Office				0.63	236.78

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

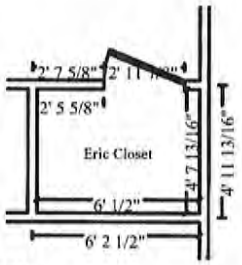


Aaron Office **Height: 9'**

378.57 SF Walls	121.95 SF Ceiling
500.52 SF Walls & Ceiling	121.95 SF Floor
13.55 SY Flooring	41.49 LF Floor Perimeter
44.47 LF Ceil. Perimeter	

Door **2' 11 3/4" X 7' 3 3/8"** **Opens into HALL_2_**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
9. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	121.95 SF	1.93	0.00	0.62	235.98
Totals: Aaron Office				0.62	235.98



Eric Closet **Height: 9'**

171.05 SF Walls	28.09 SF Ceiling
199.14 SF Walls & Ceiling	28.09 SF Floor
3.12 SY Flooring	18.39 LF Floor Perimeter
21.38 LF Ceil. Perimeter	

Door **2' 11 7/8" X 7' 1 13/16"** **Opens into ERIC_OFFICE**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
10. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	28.09 SF	1.93	0.00	0.14	54.35
Totals: Eric Closet				0.14	54.35



Eric Office **Height: 9'**

345.21 SF Walls	122.40 SF Ceiling
467.61 SF Walls & Ceiling	122.40 SF Floor
13.60 SY Flooring	38.57 LF Floor Perimeter
44.55 LF Ceil. Perimeter	

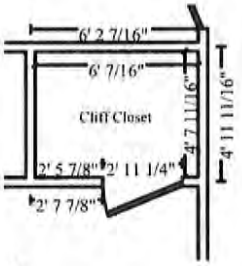
Door **2' 11 7/8" X 7' 1 13/16"** **Opens into ERIC_CLOSET**
Window **3' 7/8" X 4' 2 3/8"** **Opens into Exterior**
Door **2' 11 13/16" X 7' 2 1/4"** **Opens into HALL_2_**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

CONTINUED - Eric Office

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
11. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	122.40 SF	1.93	0.00	0.63	236.86
37. Tear out wet drywall, cleanup, bag - Cat 3	20.00 SF	1.74	0.00	0.26	35.06
38. Tear out and bag wet insulation - Category 3 water	20.00 SF	1.34	0.00	0.10	26.90
Totals: Eric Office				0.99	298.82



Cliff Closet **Height: 9'**

171.38 SF Walls
199.40 SF Walls & Ceiling
3.11 SY Flooring
21.36 LF Ceil. Perimeter
28.02 SF Ceiling
28.02 SF Floor
18.42 LF Floor Perimeter

Door **2' 11 1/4" X 7' 1 1/16"** **Opens into COLBY_OFFICE**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
12. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	28.02 SF	1.93	0.00	0.14	54.22
Totals: Cliff Closet				0.14	54.22



Jason Office **Height: 9'**

346.17 SF Walls
467.92 SF Walls & Ceiling
13.53 SY Flooring
44.44 LF Ceil. Perimeter
121.75 SF Ceiling
121.75 SF Floor
38.37 LF Floor Perimeter

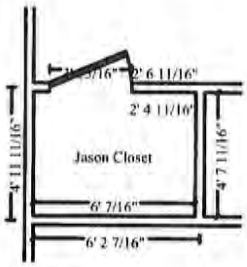
Missing Wall - Goes to neither Floor/Ceiling **12' 4" X 4' 4"** **Opens into SPRINKLER_RO**
Window **2' 11 11/16" X 4' 7/16"** **Opens into Exterior**
Door **3' 15/16" X 6' 6 3/4"** **Opens into JASON_CLOSET**
Door **2' 11 7/8" X 7' 2 5/8"** **Opens into HALL_2_**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
13. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	121.75 SF	1.93	0.00	0.62	235.60

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

CONTINUED - Jason Office

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
33. Tear out wet drywall, cleanup, bag - Cat 3	40.00 SF	1.62	0.00	0.51	65.31
Totals: Jason Office				1.13	300.91

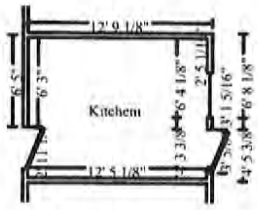


jason Closet — **Height: 9'**

172.00 SF Walls	28.02 SF Ceiling
200.02 SF Walls & Ceiling	28.02 SF Floor
3.11 SY Flooring	18.28 LF Floor Perimeter
21.36 LF Ceil. Perimeter	

Door — **3' 15/16" X 6' 6 3/4"** — **Opens into JASON_OFFICE**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
14. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	28.02 SF	1.93	0.00	0.14	54.22
Totals: jason Closet				0.14	54.22



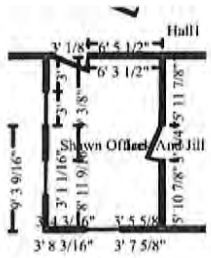
Kitchem — **Height: 9'**

344.44 SF Walls	121.91 SF Ceiling
466.35 SF Walls & Ceiling	121.91 SF Floor
13.55 SY Flooring	38.48 LF Floor Perimeter
44.47 LF Ceil. Perimeter	

Door — **2' 11 1/4" X 7' 1 1/16"** — **Opens into HALL_2_**
Window — **3' 1 5/16" X 4' 1 3/16"** — **Opens into Exterior**
Door — **3' 5/8" X 7' 3 3/8"** — **Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
34. Tear out wet drywall, cleanup, bag - Cat 3	10.00 SF	1.74	0.00	0.13	17.53
35. Tear out and bag wet insulation - Category 3 water	10.00 SF	1.34	0.00	0.05	13.45
36. Tear out cove base molding	5.00 LF	0.43	0.00	0.00	2.15
Totals: Kitchem				0.18	33.13

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373



Shawn Office **Height: 9'**

366.34	SF Walls	146.79	SF Ceiling
513.13	SF Walls & Ceiling	146.79	SF Floor
16.31	SY Flooring	43.47	LF Floor Perimeter
49.55	LF Ceil. Perimeter		

Window	**3' 1 1/16" X 4' 1/16"**	**Opens into Exterior**
Window	**3' X 4' 7/16"**	**Opens into Exterior**
Window	**2' 11 7/8" X 4' 7/16"**	**Opens into Exterior**
Door	**3' 3/4" X 6' 11 7/16"**	**Opens into JACK_AND_JIL**
Door	**3' 1/8" X 7' 2 5/8"**	**Opens into HALL1__2**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
15. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	146.79 SF	1.93	0.00	0.75	284.05
Totals: Shawn Office				0.75	284.05



Matts Office **Height: 9'**

389.41	SF Walls	146.79	SF Ceiling
536.20	SF Walls & Ceiling	146.79	SF Floor
16.31	SY Flooring	46.63	LF Floor Perimeter
49.55	LF Ceil. Perimeter		

Door	**2' 10 15/16" X 7' 1/4"**	**Opens into HALL1__2**
Window	**3' 5/8" X 4' 13/16"**	**Opens into Exterior**
Window	**2' 11 1/2" X 3' 11 5/8"**	**Opens into Exterior**
Window	**3' X 3' 11 5/8"**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
16. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	146.79 SF	1.93	0.00	0.75	284.05
Totals: Matts Office				0.75	284.05

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

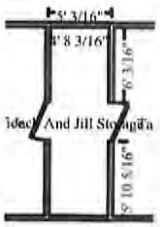


Tates Office **Height: 9'**

389.80 SF Walls	146.69 SF Ceiling
536.50 SF Walls & Ceiling	146.69 SF Floor
16.30 SY Flooring	43.41 LF Floor Perimeter
49.53 LF Ceil. Perimeter	

Door	**3' 7/16" X 7' 1 7/16"**	**Opens into HALL1_2**
Door	**3' 1 1/16" X 7' 1 7/16"**	**Opens into JACK_AND_JIL**
Window	**2' 11 15/16" X 4' 1 5/8"**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
17. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	146.69 SF	1.93	0.00	0.75	283.86
Totals: Tates Office				0.75	283.86

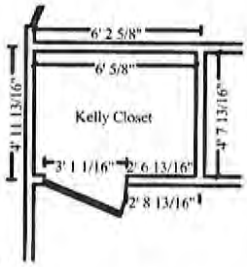


Jack And Jill Storage **Height: 9'**

310.26 SF Walls	70.02 SF Ceiling
380.28 SF Walls & Ceiling	70.02 SF Floor
7.78 SY Flooring	33.13 LF Floor Perimeter
39.28 LF Ceil. Perimeter	

Door	**3' 1 1/16" X 7' 1 7/16"**	**Opens into TATES_OFFICE**
Door	**3' 3/4" X 6' 11 7/16"**	**Opens into SHAWN_OFFICE**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
18. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	70.02 SF	1.93	0.00	0.36	135.50
Totals: Jack And Jill Storage				0.36	135.50



Kelly Closet **Height: 9'**

170.34 SF Walls	28.14 SF Ceiling
198.48 SF Walls & Ceiling	28.14 SF Floor
3.13 SY Flooring	18.32 LF Floor Perimeter
21.40 LF Ceil. Perimeter	

Door	**3' 1 1/16" X 7' 2 5/8"**	**Opens into KELLY_OFFICE**

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

CONTINUED - Kelly Closet

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
19. Tear out wet non-salv. gluedn. cpt, cut/bag - Cat 3 water	28.14 SF	1.93	0.00	0.14	54.45
Totals: Kelly Closet				0.14	54.45
Total: 1st Floor				**128.50**	**64,397.87**

General

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
47. Equipment decontamination charge - per piece of equipment	5.00 EA	0.00	41.81	2.53	211.58
48. Equipment decontamination charge - HVY, per piece of equip	5.00 EA	0.00	66.56	2.89	335.69
49. Add for HEPA filter (for negative air exhaust fan)	3.00 EA	0.00	212.04	50.11	686.23
50. Add for HEPA filter (for canister/backpack vacuums)	1.00 EA	0.00	93.43	6.60	100.03
51. Dumpster load - Approx. 30 yards, 5-7 tons of debris	1.00 EA	590.00	0.00	0.00	590.00
52. Add for personal protective equipment - Heavy duty	30.00 EA	0.00	49.80	101.51	1,595.51
53. Respirator cartridge - HEPA only (per pair)	10.00 EA	0.00	18.40	15.67	199.67
54. Respirator - Half face - multi-purpose resp. (per day)	10.00 DA	0.00	1.67	0.00	16.70
55. Clearance Test	1.50 EA	0.00	1,800.00	0.00	2,700.00
Totals: General				179.31	6,435.41
Total: Source - DocuSketch				**307.81**	**70,833.28**
Line Item Totals: OKLAHOMA_AQUARIUM				**307.81**	**70,833.28**

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

Grand Total Areas:

9,756.14	SF Walls	3,514.61	SF Ceiling	13,270.75	SF Walls and Ceiling
3,514.61	SF Floor	390.51	SY Flooring	1,058.58	LF Floor Perimeter
0.00	SF Long Wall	0.00	SF Short Wall	1,221.33	LF Ceil. Perimeter
3,514.61	Floor Area	3,784.58	Total Area	9,756.14	Interior Wall Area
3,723.55	Exterior Wall Area	383.17	Exterior Perimeter of Walls		
0.00	Surface Area	0.00	Number of Squares	0.00	Total Perimeter Length
0.00	Total Ridge Length	0.00	Total Hip Length		

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

Summary for Dwelling

Line Item Total	70,525.47
Material Sales Tax	307.81
Replacement Cost Value	**$70,833.28**
Net Claim	**$70,833.28**

Lori Lieb

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

Recap of Taxes

	Material Sales Tax (8.517%)	Manuf. Home Tax (8.517%)	Storage Rental Tax (8.517%)
Line Items	307.81	0.00	0.00
Total	**307.81**	**0.00**	**0.00**

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

Recap by Room

Estimate: OKLAHOMA_AQUARIUM

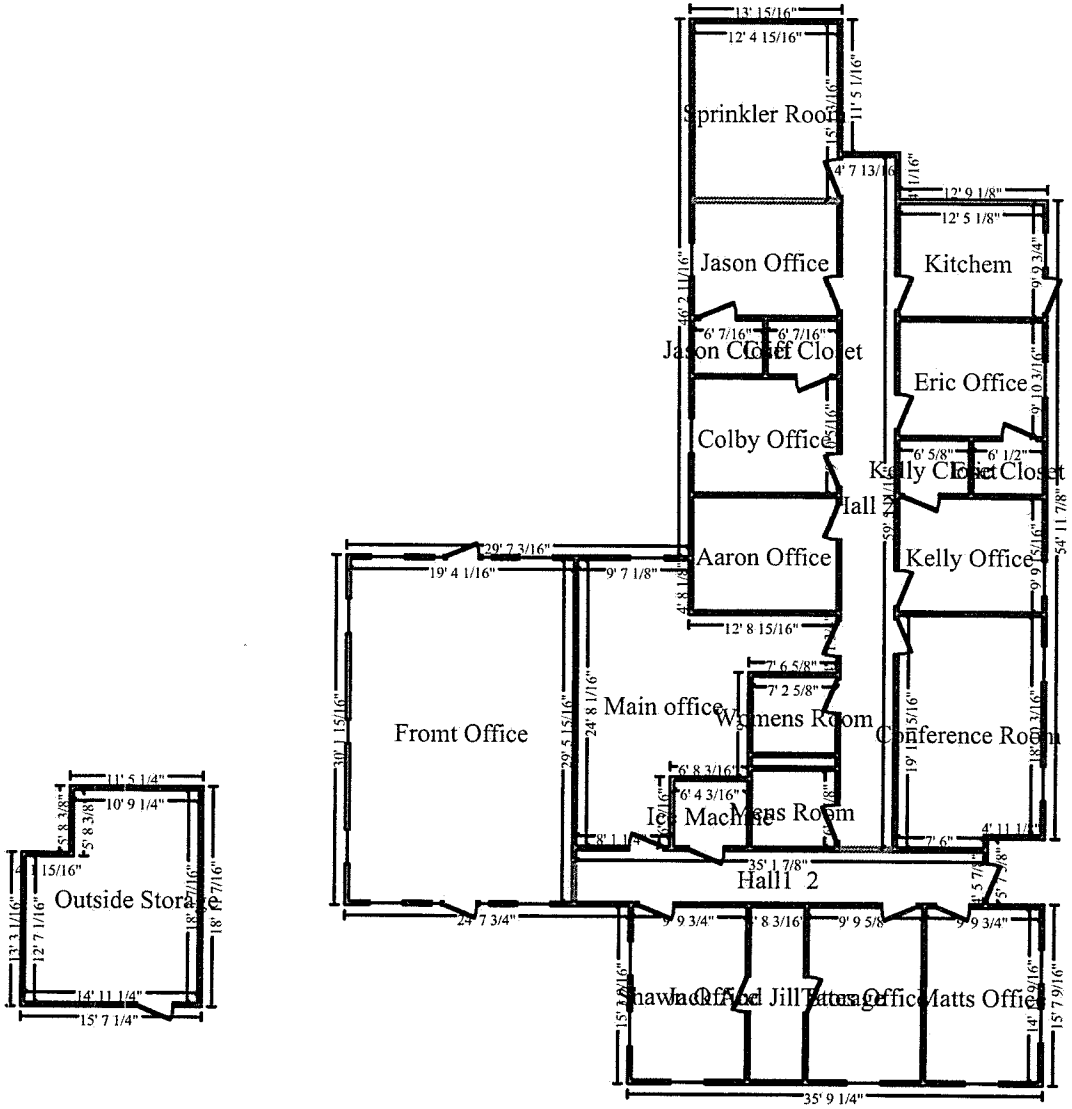
Area: Source - DocuSketch

Area: 1st Floor	**58,600.00**	**83.09%**
Hall1 2	**349.41**	**0.50%**
Fromt Office	**1,100.89**	**1.56%**
Main office	**652.17**	**0.92%**
Ice Machine	**25.23**	**0.04%**
Hall 2	**533.78**	**0.76%**
Conference Room	**468.62**	**0.66%**
Kelly Office	**235.67**	**0.33%**
Colby Office	**236.15**	**0.33%**
Aaron Office	**235.36**	**0.33%**
Eric Closet	**54.21**	**0.08%**
Eric Office	**297.83**	**0.42%**
Cliff Closet	**54.08**	**0.08%**
Jason Office	**299.78**	**0.43%**
jason Closet	**54.08**	**0.08%**
Kitchem	**32.95**	**0.05%**
Shawn Office	**283.30**	**0.40%**
Matts Office	**283.30**	**0.40%**
Tates Office	**283.11**	**0.40%**
Jack And Jill Storage	**135.14**	**0.19%**
Kelly Closet	**54.31**	**0.08%**
Area Subtotal: 1st Floor	**64,269.37**	**91.13%**
General	**6,256.10**	**8.87%**
Area Subtotal: Source - DocuSketch	**70,525.47**	**100.00%**
Subtotal of Areas	**70,525.47**	**100.00%**
Total	**70,525.47**	**100.00%**

Reset Restoration Company
8716 S. Peoria Ave
Tulsa, Ok 74132
918-582-7373

Recap by Category

Items	Total	%
ACOUSTICAL TREATMENTS	3,584.91	5.06%
GENERAL DEMOLITION	9,977.37	14.09%
ELECTRICAL	2,500.00	3.53%
HAZARDOUS MATERIAL REMEDIATION	54,463.19	76.89%
Subtotal	70,525.47	99.57%
Material Sales Tax	307.81	0.43%
Total	70,833.28	100.00%


Sprinkler Room
Jason Office
Kitchem
Jason Closet
Closet
Eric Office
Colby Office
Kelly Closet
Closet
Hall 2
Aaron Office
Kelly Office
Fromt Office
Main office
Womens Room
Conference Room
Ice Machine
Mens Room
Hall1 2
Outside Storage
Jacob
Jill
Office
Matts Office
N

1st Floor

Servpro of South Tulsa County

14690 E. Pine St.
Tulsa, OK 74116
(918) 437-2095

Insured:	GSHELMS & Associates, LLC	Home:	(918) 298-7257
Property:	300 S AQUARIUM DR Jenks, OK 74037	E-mail:	greg.helms@gshelms.com
Estimator:	Ronnie Davis	Business:	(918) 437-2095
Company:	Servpro of South Tulsa County	E-mail:	Ronnie@servprosouthtulsa.com

Claim Number: **Policy Number:** **Type of Loss:**

Date of Loss:		Date Received:	
Date Inspected:		Date Entered:	2/5/2026 7:41 AM

Price List:	OKTU8X_JAN26 Restoration/Service/Remodel
Estimate:	GSHELMS_&_ASSOCIATES

The following estimate is for mold remediation. Please note, this estimate was written according to a protocol from a licensed environmental hygienist. Once remediation has been completed, it is highly recommended that the customer hire an independent, third party environmental hygienist to perform a post-remediation air quality test to ensure that the air within the affected area of the structure is safe for human occupancy. All of the following items will be performed in strict accordance with the IICRC S500 and the IICRC S520.

Please note this this estimate does not include any additional damage that could be discovered during the removal of the affected items.

Please note, removal of all vinyl cove base may be needed to remove the carpet in all areas.

Thank you for the opportunity to provide a mold remediation proposal for your property. Selecting the right remediation contractor is critical — not only to remove visible mold, but to properly address the source, prevent cross-contamination, and protect the health of occupants and the integrity of the structure.

At Reset Restoration, we specialize in controlled, standards-based mold remediation performed in accordance with IICRC S520 guidelines. Our approach is not simply "tear out and spray" — it is a structured process designed to:

- Establish proper containment and engineering controls
- Prevent cross-contamination to unaffected areas
- Remove impacted materials safely and methodically
- Perform detailed cleaning and HEPA filtration
- Prepare the space for successful post-remediation verification

What sets Reset apart:

1. Process-Driven Remediation
We follow industry protocols step by step, including containment setup, negative air pressure, HEPA filtration, and proper material removal. This ensures the job is done correctly the first time.

2. Health & Liability Focused
Mold issues can create liability concerns if not handled properly. Our documentation, photo reporting, and moisture tracking provide a defensible file for property owners, property managers, and insurance carriers.

3. Clear Communication
We believe remediation should not create more stress. You will receive a defined scope of work, timeline expectations, and consistent communication throughout the project.

Our goal is simple: remediate safely, restore correctly, and protect your property long-term.

Servpro of South Tulsa County

14690 E. Pine St.
Tulsa, OK 74116
(918) 437-2095

GSHELMS_&_ASSOCIATES

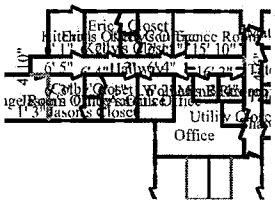
Source - DocuSketch

JOB

JOB

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
1. Respirator cartridge - HEPA & vapor & gas (per pair)	4.00 EA	0.00	36.59	12.47	158.83
2. Add for personal protective equipment (hazardous cleanup)	56.00 EA	0.00	22.17	57.95	1,299.47
4 techs, 2 suits each per day, for 7 days.					
3. Respirator - Full face - multi-purpose resp. (per day)	28.00 DA	0.00	7.61	0.00	213.08
4. Dumpster load - Approx. 20 yards, 4 tons of debris	1.00 EA	505.00	0.00	0.00	505.00
5. Remove Fluorescent - Detach ligh Fixtures	1.00 EA	1,275.00	0.00	0.00	1,275.00
Total: JOB				70.42	3,451.38

Hallway **Height: 9'**



868.45 SF Walls	263.45 SF Ceiling
1,131.90 SF Walls & Ceiling	263.45 SF Floor
29.27 SY Flooring	89.07 LF Floor Perimeter
121.28 LF Ceil. Perimeter	

Door	**2' 10 3/4" X 6' 11 1/16"**	**Opens into ERICS_OFFIC**
Door	**3' 3/16" X 6' 10 11/16"**	**Opens into KITCHEN**
Missing Wall - Goes to neither Floor/Ceiling	**4' 6" X 4' 6"**	**Opens into STORAGE_ROO2**
Door	**2' 10 1/2" X 6' 11 7/16"**	**Opens into STORAGE_ROO2**
Door	**2' 10 3/16" X 6' 11 1/16"**	**Opens into JASONS_OFFI**
Door	**2' 11 13/16" X 6' 11 7/16"**	**Opens into COLBYS_OFFI**
Door	**2' 11 3/8" X 6' 11 7/16"**	**Opens into AARONS_OFFI**
Door	**2' 11 5/8" X 6' 11 7/8"**	**Opens into OFFICE**
Door	**2' 11 3/16" X 6' 10 5/16"**	**Opens into WOMENS_REST**
Door	**2' 11 1/2" X 6' 10 11/16"**	**Opens into MENS_RESTRO**
Door	**2' 10 1/16" X 6' 11 1/16"**	**Opens into CONFERENCE_R**
Door	**2' 11 3/8" X 6' 11 1/16"**	**Opens into KELLYS_OFFI**

CONTINUED - Hallway



Subroom: Hallway 2 (1) **Height: 14' 6"**

924.26 SF Walls	150.60 SF Ceiling
1,074.86 SF Walls & Ceiling	150.60 SF Floor
16.73 SY Flooring	51.17 LF Floor Perimeter
76.68 LF Ceil. Perimeter	

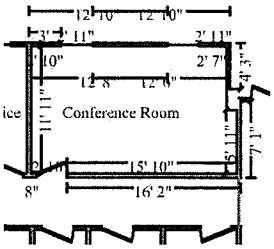
Door	**2' 11 11/16" X 6' 11 7/8"**	**Opens into SHAWNS_OFFI**
Door	**3' 1/4" X 7' 5/8"**	**Opens into TATES_OFFIC**
Door	**2' 10 1/2" X 6' 11 1/16"**	**Opens into MATTS_OFFIC**
Door	**2' 11 3/16" X 6' 11 7/16"**	**Opens into Exterior**
Missing Wall	**4' 6 5/16" X 14' 6"**	**Opens into HALLWAY**
Door	**3' 3/16" X 6' 11 7/16"**	**Opens into UTILITY_CLOS**
Door	**3' 5/16" X 6' 11 7/8"**	**Opens into OFFICE**
Door	**3' 1 5/8" X 7' 1 7/16"**	**Opens into WAITING__ARE**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
6. Remove Suspended ceiling tile - Standard grade - 2' x 4'	414.04 SF	0.21	0.00	0.00	86.95
7. Remove Batt insulation - 6" - R19 - unfaced batt	490.04 SF	0.32	0.00	0.00	156.81
8. Remove 5/8" drywall - hung, taped, floated, ready for paint	152.00 SF	0.45	0.00	0.00	68.40
9. Tear out non-salvageable glue down carpet, cut/bag	414.04 SF	1.18	0.00	2.12	490.69
10. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
11. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
12. Clean more than the walls and ceiling	5,241.61 SF	0.00	0.42	4.46	2,205.94
The above charge is for (2) rounds of cleaning.					
13. HEPA Vacuuming - Detailed - (PER SF)	5,241.61 SF	0.00	0.91	0.00	4,769.87

The above charge is for (2) rounds of HEPA Vacuuming.
This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.
IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.
While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.

CONTINUED - Hallway

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
14. Remove Suspended ceiling grid - 2' x 4'	414.04 SF	0.03	0.00	0.00	12.42
Totals: Hallway				10.76	8,375.21



Conference Room **Height: 14' 6"**

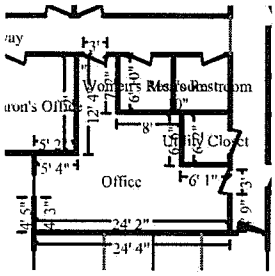
857.46 SF Walls	221.92 SF Ceiling
1,079.38 SF Walls & Ceiling	221.92 SF Floor
24.66 SY Flooring	59.25 LF Floor Perimeter
62.09 LF Ceil. Perimeter	

Door	**2' 10 1/16" X 6' 11 1/16"**	**Opens into HALLWAY**
Window	**2' 10 9/16" X 4'**	**Opens into Exterior**
Window	**2' 11 1/8" X 4'**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
15. Remove Suspended ceiling tile - Standard grade - 2' x 4'	221.92 SF	0.21	0.00	0.00	46.60
16. Tear out non-salvageable glue down carpet, cut/bag	221.92 SF	1.18	0.00	1.13	263.00
17. Clean more than the walls and ceiling	2,602.59 SF	0.00	0.42	2.22	1,095.31
The above charge is for (2) rounds of cleaning.					
18. HEPA Vacuuming - Detailed - (PER SF)	2,602.59 SF	0.00	0.91	0.00	2,368.36
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
19. Remove Batt insulation - 6" - R19 - unfaced batt	96.00 SF	0.32	0.00	0.00	30.72
20. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
21. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
22. Remove Suspended ceiling grid - 2' x 4'	221.92 SF	0.03	0.00	0.00	6.66

CONTINUED - Conference Room

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
Totals: Conference Room				7.53	4,394.78

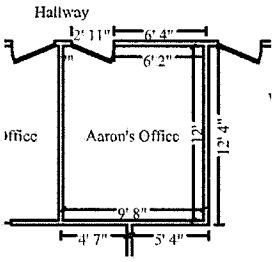


Office **Height: 14' 6"**

1,284.23	SF Walls	325.01	SF Ceiling
1,609.25	SF Walls & Ceiling	325.01	SF Floor
36.11	SY Flooring	86.25	LF Floor Perimeter
92.24	LF Ceil. Perimeter		

Door	**2' 11 5/8" X 6' 11 7/8"**	**Opens into HALLWAY**
Window	**2' 10 1/8" X 4'**	**Opens into Exterior**
Door	**3' 5/16" X 6' 11 7/8"**	**Opens into HALLWAY_2**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
23. Remove Suspended ceiling tile - Standard grade - 2' x 4'	325.01 SF	0.21	0.00	0.00	68.25
24. Remove Batt insulation - 6" - R19 - unfaced batt	325.01 SF	0.32	0.00	0.00	104.00
25. Tear out non-salvageable glue down carpet, cut/bag	325.01 SF	1.18	0.00	1.66	385.17
26. Clean more than the walls and ceiling	3,868.52 SF	0.00	0.42	3.30	1,628.08
The above charge is for (2) rounds of cleaning.					
27. HEPA Vacuuming - Detailed - (PER SF)	3,868.52 SF	0.00	0.91	0.00	3,520.35
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**						
28. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
29. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
30. Remove Suspended ceiling grid - 2' x 4'	325.01 SF	0.03	0.00	0.00	9.75
Totals: Office				9.14	6,299.73

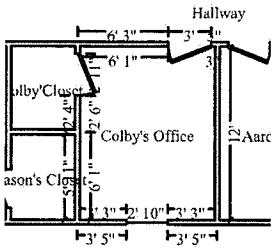


Aaron's office **Height: 14' 6"**

608.47 SF Walls	116.28 SF Ceiling
724.75 SF Walls & Ceiling	116.28 SF Floor
12.92 SY Flooring	40.43 LF Floor Perimeter
43.38 LF Ceil. Perimeter	

Door **2' 11 3/8" X 6' 11 7/16"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
31. Remove Suspended ceiling tile - Standard grade - 2' x 4'	116.28 SF	0.21	0.00	0.00	24.42
32. Remove Batt insulation - 6" - R19 - unfaced batt	116.28 SF	0.32	0.00	0.00	37.21
33. Tear out non-salvageable glue down carpet, cut/bag	116.28 SF	1.18	0.00	0.59	137.80
34. Clean more than the walls and ceiling	1,682.07 SF	0.00	0.42	1.43	707.90
The above charge is for (2) rounds of cleaning.					
35. HEPA Vacuuming - Detailed - (PER SF)	1,682.07 SF	0.00	0.91	0.00	1,530.68
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**						
36. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
37. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
38. Remove Suspended ceiling grid - 2' x 4'	116.28 SF	0.03	0.00	0.00	3.49
Totals: Aaron's office				6.20	3,025.63

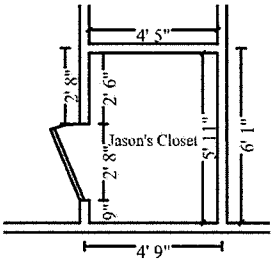


Colby's office **Height: 14' 6"**

566.67 SF Walls	112.19 SF Ceiling
678.86 SF Walls & Ceiling	112.19 SF Floor
12.47 SY Flooring	36.80 LF Floor Perimeter
42.70 LF Ceil. Perimeter	

Door	**2' 10 15/16" X 6' 11 1/16"**	**Opens into COLBYCLOSET**
Door	**2' 11 13/16" X 6' 11 7/16"**	**Opens into HALLWAY**
Window	**2' 10 7/16" X 4'**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
39. Remove Suspended ceiling tile - Standard grade - 2' x 4'	112.19 SF	0.21	0.00	0.00	23.56
40. Remove Batt insulation - 6" - R19 - unfaced batt	112.19 SF	0.32	0.00	0.00	35.90
41. Tear out non-salvageable glue down carpet, cut/bag	112.19 SF	1.18	0.00	0.57	132.95
42. Clean more than the walls and ceiling	1,582.11 SF	0.00	0.42	1.35	665.84
The above charge is for (2) rounds of cleaning.					
43. HEPA Vacuuming - Detailed - (PER SF)	1,582.11 SF	0.00	0.91	0.00	1,439.72
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
44. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
45. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
46. Remove Suspended ceiling grid - 2' x 4'	112.19 SF	0.03	0.00	0.00	3.37
Totals: Colby's office				6.10	2,885.47

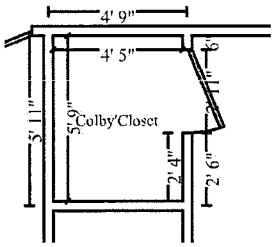


Jason's closet **Height: 14' 6"**

281.87 SF Walls	26.25 SF Ceiling
308.12 SF Walls & Ceiling	26.25 SF Floor
2.92 SY Flooring	18.04 LF Floor Perimeter
20.69 LF Ceil. Perimeter	

Door **2' 7 7/8" X 6' 10 5/16"** **Opens into JASONS_OFFI**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
47. Remove Suspended ceiling tile - Standard grade - 2' x 4'	26.25 SF	0.21	0.00	0.00	5.51
48. Remove Batt insulation - 6" - R19 - unfaced batt	26.25 SF	0.32	0.00	0.00	8.40
49. Tear out non-salvageable glue down carpet, cut/bag	26.25 SF	1.18	0.00	0.13	31.11
50. Clean more than the walls and ceiling	668.74 SF	0.00	0.42	0.57	281.44
The above charge is for (2) rounds of cleaning.					
51. HEPA Vacuuming - Detailed - (PER SF)	668.74 SF	0.00	0.91	0.00	608.55
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
52. Remove Suspended ceiling grid - 2' x 4'	26.25 SF	0.03	0.00	0.00	0.79
Totals: Jason's closet				0.70	935.80



Colby'closet **Height: 14' 6"**

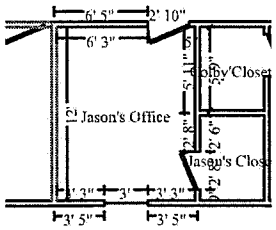
276.38 SF Walls	25.71 SF Ceiling
302.09 SF Walls & Ceiling	25.71 SF Floor
2.86 SY Flooring	17.54 LF Floor Perimeter
20.45 LF Ceil. Perimeter	

Door **2' 10 15/16" X 6' 11 1/16"** **Opens into COLBYS_OFFI**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
53. Remove Suspended ceiling tile - Standard grade - 2' x 4'	25.71 SF	0.21	0.00	0.00	5.40

CONTINUED - Colby'closet

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
54. Remove Batt insulation - 6" - R19 - unfaced batt	25.71 SF	0.32	0.00	0.00	8.23
55. Tear out non-salvageable glue down carpet, cut/bag	25.71 SF	1.18	0.00	0.13	30.47
56. Clean more than the walls and ceiling	655.60 SF	0.00	0.42	0.56	275.91
The above charge is for (2) rounds of cleaning.					
57. HEPA Vacuuming - Detailed - (PER SF)	655.60 SF	0.00	0.91	0.00	596.60
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
58. Remove Suspended ceiling grid - 2' x 4'	25.71 SF	0.03	0.00	0.00	0.77
Totals: Colby'closet				0.69	917.38



Jason's Office **Height: 14' 6"**

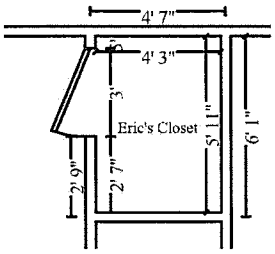
519.22 SF Walls	113.84 SF Ceiling
633.07 SF Walls & Ceiling	113.84 SF Floor
12.65 SY Flooring	37.47 LF Floor Perimeter
30.98 LF Ceil. Perimeter	

Door	**2' 10 3/16" X 6' 11 1/16"**	**Opens into HALLWAY**
Door	**2' 7 7/8" X 6' 10 5/16"**	**Opens into JASONS_CLOS**
Window	**2' 11 7/8" X 4'**	**Opens into Exterior**
Missing Wall - Goes to Ceiling	**11' 11 15/16" X 4' 6"**	**Opens into STORAGE_ROO2**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
59. Remove Suspended ceiling tile - Standard grade - 2' x 4'	113.84 SF	0.21	0.00	0.00	23.91
60. Remove Batt insulation - 6" - R19 - unfaced batt	113.84 SF	0.32	0.00	0.00	36.43
61. Tear out non-salvageable glue down carpet, cut/bag	113.84 SF	1.18	0.00	0.58	134.91
62. Clean more than the walls and ceiling	1,493.82 SF	0.00	0.42	1.27	628.67
The above charge is for (2) rounds of cleaning.					

CONTINUED - Jason's Office

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
63. HEPA Vacuuming - Detailed - (PER SF)	1,493.82 SF	0.00	0.91	0.00	1,359.38
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
64. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
65. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
66. Remove Suspended ceiling grid - 2' x 4'	113.84 SF	0.03	0.00	0.00	3.42
Totals: Jason's Office				6.03	2,770.85



Eric's Closet **Height: 8'**

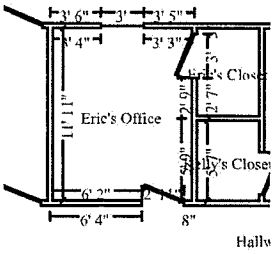
142.46 SF Walls	25.32 SF Ceiling
167.78 SF Walls & Ceiling	25.32 SF Floor
2.81 SY Flooring	17.42 LF Floor Perimeter
20.41 LF Ceil. Perimeter	

Door **2' 11 15/16" X 6' 11 7/16"** **Opens into ERICS_OFFIC**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
67. Remove Suspended ceiling tile - Standard grade - 2' x 4'	25.32 SF	0.21	0.00	0.00	5.32
68. Remove Batt insulation - 6" - R19 - unfaced batt	25.32 SF	0.32	0.00	0.00	8.10
69. Tear out non-salvageable glue down carpet, cut/bag	25.32 SF	1.18	0.00	0.13	30.01
70. Clean more than the walls and ceiling	386.20 SF	0.00	0.42	0.33	162.53
The above charge is for (2) rounds of cleaning.					
71. HEPA Vacuuming - Detailed - (PER SF)	386.20 SF	0.00	0.91	0.00	351.44

CONTINUED - Eric's Closet

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
72. Remove Suspended ceiling grid - 2' x 4'	25.32 SF	0.03	0.00	0.00	0.76
Totals: Eric's Closet				0.46	558.16



Eric's office **Height: 14' 6"**

568.86 SF Walls	113.53 SF Ceiling
682.39 SF Walls & Ceiling	113.53 SF Floor
12.61 SY Flooring	36.98 LF Floor Perimeter
42.87 LF Ceil. Perimeter	

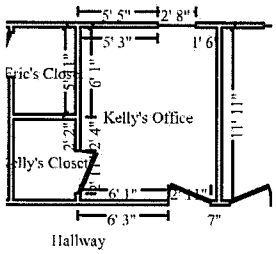
Door	**2' 10 3/4" X 6' 11 1/16"**	**Opens into HALLWAY**
Window	**2' 11 13/16" X 4'**	**Opens into Exterior**
Door	**2' 11 15/16" X 6' 11 7/16"**	**Opens into ERICS_CLOSE**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
73. Remove Suspended ceiling tile - Standard grade - 2' x 4'	113.53 SF	0.21	0.00	0.00	23.84
74. Remove Batt insulation - 6" - R19 - unfaced batt	113.53 SF	0.32	0.00	0.00	36.33
75. Tear out non-salvageable glue down carpet, cut/bag	113.53 SF	1.18	0.00	0.58	134.55
76. Clean more than the walls and ceiling	1,591.85 SF	0.00	0.42	1.36	669.94
The above charge is for (2) rounds of cleaning.					
77. HEPA Vacuuming - Detailed - (PER SF)	1,591.85 SF	0.00	0.91	0.00	1,448.58

The above charge is for (2) rounds of HEPA Vacuuming.
This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.
IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.
While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.

CONTINUED - Eric's office

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
78. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
79. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
80. Remove Suspended ceiling grid - 2' x 4'	113.53 SF	0.03	0.00	0.00	3.41
Totals: Eric's office				6.12	2,900.78



Kelly's office **Height: 9'**

331.00 SF Walls	111.51 SF Ceiling
442.51 SF Walls & Ceiling	111.51 SF Floor
12.39 SY Flooring	36.63 LF Floor Perimeter
42.53 LF Ceil. Perimeter	

Door	**2' 11 3/8" X 6' 11 1/16"**	**Opens into HALLWAY**
Door	**2' 11 1/2" X 7' 5/8"**	**Opens into KELLYS_CLOS**
Window	**2' 7 5/8" X 4'**	**Opens into Exterior**

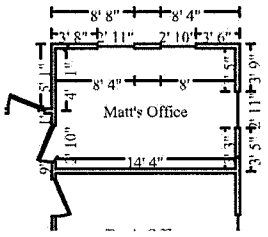
DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
81. Remove Suspended ceiling tile - Standard grade - 2' x 4'	111.51 SF	0.21	0.00	0.00	23.42
82. Remove Batt insulation - 6" - R19 - unfaced batt	111.51 SF	0.32	0.00	0.00	35.68
83. Tear out non-salvageable glue down carpet, cut/bag	111.51 SF	1.18	0.00	0.57	132.15
84. Clean more than the walls and ceiling	1,108.03 SF	0.00	0.42	0.94	466.31
The above charge is for (2) rounds of cleaning.					
85. HEPA Vacuuming - Detailed - (PER SF)	1,108.03 SF	0.00	0.91	0.00	1,008.31

The above charge is for (2) rounds of HEPA Vacuuming.
This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.
IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.
While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.

86. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17

CONTINUED - Kelly's office

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
The above charge is for (1) HEPA Air scrubber replacement filter.					
87. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
88. Remove Suspended ceiling grid - 2' x 4'	111.51 SF	0.03	0.00	0.00	3.35
Totals: Kelly's office				5.69	2,253.35



Matt's office **Height: 14' 6"**

638.33 SF Walls
775.35 SF Walls & Ceiling
15.22 SY Flooring
47.77 LF Ceil. Perimeter

137.02 SF Ceiling
137.02 SF Floor
44.90 LF Floor Perimeter

Door	**2' 10 1/2" X 6' 11 1/16"**	**Opens into HALLWAY_2**
Window	**2' 10 1/2" X 4'**	**Opens into Exterior**
Window	**2' 11 3/8" X 4'**	**Opens into Exterior**
Window	**2' 9 5/8" X 4'**	**Opens into Exterior**

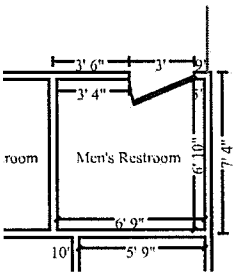
DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
89. Remove Suspended ceiling tile - Standard grade - 2' x 4'	137.02 SF	0.21	0.00	0.00	28.77
90. Remove Batt insulation - 6" - R19 - unfaced batt	137.02 SF	0.32	0.00	0.00	43.85
91. Tear out non-salvageable glue down carpet, cut/bag	137.02 SF	1.18	0.00	0.70	162.38
92. Clean more than the walls and ceiling	1,824.75 SF	0.00	0.42	1.55	767.95
The above charge is for (2) rounds of cleaning.					
93. HEPA Vacuuming - Detailed - (PER SF)	1,824.75 SF	0.00	0.91	0.00	1,660.52

The above charge is for (2) rounds of HEPA Vacuuming.
This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.
IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.
While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.

94. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17

CONTINUED - Matt's office

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
The above charge is for (1) HEPA Air scrubber replacement filter.					
95. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
96. Remove Suspended ceiling grid - 2' x 4'	137.02 SF	0.03	0.00	0.00	4.11
Totals: Matt's office				6.43	3,251.71

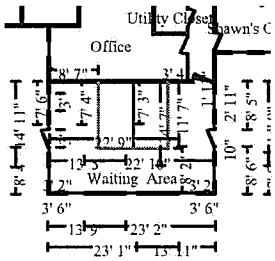


Men's Restroom **Height: 14' 6"**

373.39 SF Walls	46.09 SF Ceiling
419.49 SF Walls & Ceiling	46.09 SF Floor
5.12 SY Flooring	24.20 LF Floor Perimeter
27.16 LF Ceil. Perimeter	

Door **2' 11 1/2" X 6' 10 11/16"** **Opens into HALLWAY**

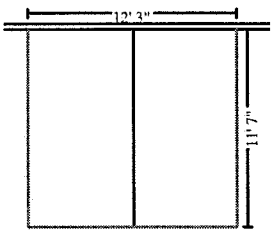
DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
97. Remove Suspended ceiling tile - Standard grade - 2' x 4'	46.09 SF	0.21	0.00	0.00	9.68
98. Remove Batt insulation - 6" - R19 - unfaced batt	46.09 SF	0.32	0.00	0.00	14.75
99. Clean more than the walls and ceiling	931.16 SF	0.00	0.42	0.79	391.88
The above charge is for (2) rounds of cleaning.					
100. HEPA Vacuuming - Detailed - (PER SF)	931.16 SF	0.00	0.91	0.00	847.36
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**						
101. Remove Suspended ceiling grid - 2' x 4'	46.09 SF	0.03	0.00	0.00	1.38
Totals: Men's Restroom				0.79	1,265.05



Waiting Area **Height: 9'**

601.81 SF Walls	415.96 SF Ceiling
1,017.77 SF Walls & Ceiling	415.96 SF Floor
46.22 SY Flooring	75.10 LF Floor Perimeter
107.33 LF Ceil. Perimeter	

Window	**2' 10 1/8" X 4'**	**Opens into Exterior**
Window	**9 5/8" X 5' 3 3/4"**	**Opens into Exterior**
Door	**3' 1/16" X 6' 9 7/8"**	**Opens into Exterior**
Window	**9" X 5' 3 3/4"**	**Opens into Exterior**
Window	**2' 11 11/16" X 4'**	**Opens into Exterior**
Window	**3' 7/16" X 4'**	**Opens into Exterior**
Window	**1' 10 1/2" X 3' 10 7/8"**	**Opens into Exterior**
Window	**2' 10 13/16" X 4'**	**Opens into Exterior**
Window	**2' 11 3/8" X 4'**	**Opens into Exterior**
Window	**10 1/4" X 5' 3"**	**Opens into Exterior**
Door	**2' 10 15/16" X 6' 9 7/8"**	**Opens into Exterior**
Window	**10 1/8" X 5' 2 5/8"**	**Opens into Exterior**
Window	**2' 10 13/16" X 4'**	**Opens into Exterior**
Door	**3' 1 5/8" X 7' 1 7/16"**	**Opens into HALLWAY_2**



Subroom: Waiting Area (1) **Height: Peaked**

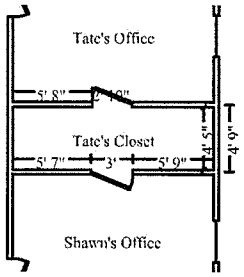
145.99 SF Walls	152.32 SF Ceiling
298.31 SF Walls & Ceiling	141.90 SF Floor
15.77 SY Flooring	12.25 LF Floor Perimeter
27.43 LF Ceil. Perimeter	

Missing Wall	**12' 3" X 9'**	**Opens into WAITING_ARE**
Missing Wall	**11' 7" X 9'**	**Opens into WAITING_ARE**
Missing Wall	**11' 7" X 9'**	**Opens into WAITING_ARE**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
102. Remove Suspended ceiling tile - Standard grade - 2' x 4'	568.28 SF	0.21	0.00	0.00	119.34
103. Remove Batt insulation - 6" - R19 - unfaced batt	568.28 SF	0.32	0.00	0.00	181.85
104. Tear out non-salvageable glue down carpet, cut/bag	557.85 SF	1.18	0.00	2.85	661.11
105. Clean more than the walls and ceiling	3,747.86 SF	0.00	0.42	3.19	1,577.29

CONTINUED - Waiting Area

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
The above charge is for (2) rounds of cleaning.					
106. HEPA Vacuuming - Detailed - (PER SF)	3,747.86 SF	0.00	0.91	0.00	3,410.55
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
107. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
108. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
109. Remove Suspended ceiling grid - 2' x 4'	568.28 SF	0.03	0.00	0.00	17.05
Totals: Waiting Area				10.22	6,551.32



Tate's Closet **Height: 14' 6"**

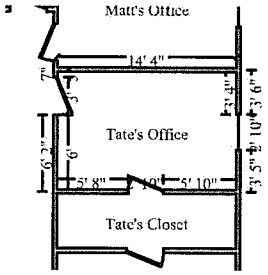
503.57 SF Walls	63.57 SF Ceiling
567.14 SF Walls & Ceiling	63.57 SF Floor
7.06 SY Flooring	31.71 LF Floor Perimeter
37.51 LF Ceil. Perimeter	

Door	**2' 11 11/16" X 6' 11 7/8"**	**Opens into SHAWNS_OFFI**
Door	**2' 9 15/16" X 6' 11 1/16"**	**Opens into TATES_OFFIC**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
110. Remove Suspended ceiling tile - Standard grade - 2' x 4'	63.57 SF	0.21	0.00	0.00	13.35
111. Remove Batt insulation - 6" - R19 - unfaced batt	63.57 SF	0.32	0.00	0.00	20.34
112. Tear out non-salvageable glue down carpet, cut/bag	63.57 SF	1.18	0.00	0.32	75.33
113. Clean more than the walls and ceiling	1,261.41 SF	0.00	0.42	1.07	530.86
The above charge is for (2) rounds of cleaning.					
114. HEPA Vacuuming - Detailed - (PER SF)	1,261.41 SF	0.00	0.91	0.00	1,147.88

CONTINUED - Tate's Closet

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
115. Remove Suspended ceiling grid - 2' x 4'	63.57 SF	0.03	0.00	0.00	1.91
Totals: Tate's Closet				1.39	1,789.67



Tate's Office **Height: 14' 6"**

637.24 SF Walls	135.47 SF Ceiling
772.71 SF Walls & Ceiling	135.47 SF Floor
15.05 SY Flooring	41.71 LF Floor Perimeter
47.56 LF Ceil. Perimeter	

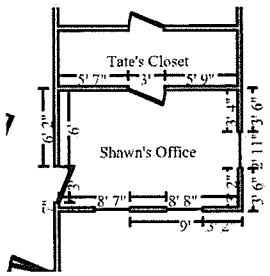
Door	**2' 9 15/16" X 6' 11 1/16"**	**Opens into TATES_CLOSE**
Door	**3' 1/4" X 7' 5/8"**	**Opens into HALLWAY_2**
Window	**2' 10 3/8" X 4'**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
116. Remove Suspended ceiling tile - Standard grade - 2' x 4'	135.47 SF	0.21	0.00	0.00	28.45
117. Remove Batt insulation - 6" - R19 - unfaced batt	135.47 SF	0.32	0.00	0.00	43.35
118. Tear out non-salvageable glue down carpet, cut/bag	135.47 SF	1.18	0.00	0.69	160.54
119. Clean more than the walls and ceiling	1,816.37 SF	0.00	0.42	1.55	764.43
The above charge is for (2) rounds of cleaning.					
120. HEPA Vacuuming - Detailed - (PER SF)	1,816.37 SF	0.00	0.91	0.00	1,652.90

The above charge is for (2) rounds of HEPA Vacuuming.
This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.
IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.
While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.

CONTINUED - Tate's Office

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
121. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
122. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
123. Remove Suspended ceiling grid - 2' x 4'	135.47 SF	0.03	0.00	0.00	4.06
Totals: Tate's Office				6.42	3,237.86



Shawn's office **Height: 14' 6"**

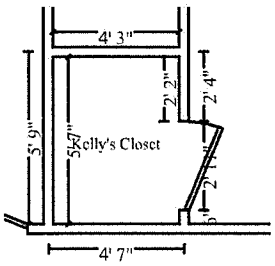
611.70 SF Walls	134.63 SF Ceiling
746.33 SF Walls & Ceiling	134.63 SF Floor
14.96 SY Flooring	41.49 LF Floor Perimeter
47.44 LF Ceil. Perimeter	

Door	**2' 11 11/16" X 6' 11 7/8"**	**Opens into TATES_CLOSE**
Window	**2' 11 3/16" X 4'**	**Opens into Exterior**
Window	**2' 10 9/16" X 4'**	**Opens into Exterior**
Window	**2' 10 1/8" X 4'**	**Opens into Exterior**
Door	**2' 11 11/16" X 6' 11 7/8"**	**Opens into HALLWAY_2**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
124. Remove Suspended ceiling tile - Standard grade - 2' x 4'	134.63 SF	0.21	0.00	0.00	28.27
125. Remove Batt insulation - 6" - R19 - unfaced batt	134.63 SF	0.32	0.00	0.00	43.08
126. Tear out non-salvageable glue down carpet, cut/bag	134.63 SF	1.18	0.00	0.69	159.55
127. Clean more than the walls and ceiling	1,761.90 SF	0.00	0.42	1.50	741.50
The above charge is for (2) rounds of cleaning.					
128. HEPA Vacuuming - Detailed - (PER SF)	1,761.90 SF	0.00	0.91	0.00	1,603.33

CONTINUED - Shawn's office

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
129. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
130. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
131. Remove Suspended ceiling grid - 2' x 4'	134.63 SF	0.03	0.00	0.00	4.04
Totals: Shawn's office				6.37	3,163.90



Kelly's Closet **Height: 14' 6"**

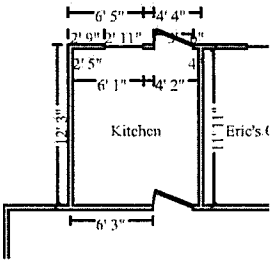
264.66 SF Walls	23.78 SF Ceiling
288.44 SF Walls & Ceiling	23.78 SF Floor
2.64 SY Flooring	16.73 LF Floor Perimeter
19.69 LF Ceil. Perimeter	

Door **2' 11 1/2" X 7' 5/8"** **Opens into KELLYS_OFFI**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
132. Remove Suspended ceiling tile - Standard grade - 2' x 4'	23.78 SF	0.21	0.00	0.00	4.99
133. Remove Batt insulation - 6" - R19 - unfaced batt	23.78 SF	0.32	0.00	0.00	7.61
134. Tear out non-salvageable glue down carpet, cut/bag	23.78 SF	1.18	0.00	0.12	28.18
135. Clean more than the walls and ceiling	624.45 SF	0.00	0.42	0.53	262.80
The above charge is for (2) rounds of cleaning.					
136. HEPA Vacuuming - Detailed - (PER SF)	624.45 SF	0.00	0.91	0.00	568.25

CONTINUED - Kelly's Closet

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
137. Remove Suspended ceiling grid - 2' x 4'	23.78 SF	0.03	0.00	0.00	0.71
Totals: Kelly's Closet				0.65	872.54



Kitchen **Height: 14' 6"**

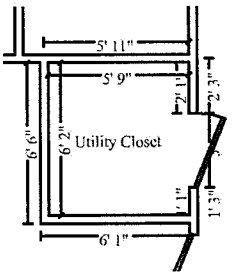
566.35 SF Walls	112.75 SF Ceiling
679.11 SF Walls & Ceiling	112.75 SF Floor
12.53 SY Flooring	36.71 LF Floor Perimeter
42.74 LF Ceil. Perimeter	

Door	**3' 3/16" X 6' 10 11/16"**	**Opens into HALLWAY**
Window	**2' 10 15/16" X 4'**	**Opens into Exterior**
Door	**3' 3/16" X 6' 11 7/16"**	**Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
138. Remove Suspended ceiling tile - Standard grade - 2' x 4'	112.75 SF	0.21	0.00	0.00	23.68
139. Remove Batt insulation - 6" - R19 - unfaced batt	112.75 SF	0.32	0.00	0.00	36.08
140. Clean more than the walls and ceiling	1,583.73 SF	0.00	0.42	1.35	666.52
The above charge is for (2) rounds of cleaning.					
141. HEPA Vacuuming - Detailed - (PER SF)	1,583.73 SF	0.00	0.91	0.00	1,441.19
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
142. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					

CONTINUED - Kitchen

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
143. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
144. Remove Suspended ceiling grid - 2' x 4'	112.75 SF	0.03	0.00	0.00	3.38
Totals: Kitchen				5.53	2,754.98



Utility Closet **Height: 10'**

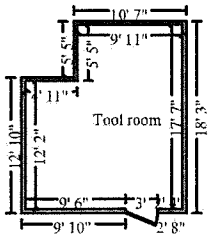
217.60 SF Walls	35.52 SF Ceiling
253.12 SF Walls & Ceiling	35.52 SF Floor
3.95 SY Flooring	20.84 LF Floor Perimeter
23.86 LF Ceil. Perimeter	

Door **3' 3/16" X 6' 11 7/16"** **Opens into HALLWAY_2**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
145. Tear out wet drywall, cleanup, bag, per LF - up to 2' tall	4.00 LF	4.17	0.00	0.10	16.78
146. Tear out and bag wet insulation	8.00 SF	0.83	0.00	0.04	6.68
147. Remove Suspended ceiling tile - Standard grade - 2' x 4'	35.52 SF	0.21	0.00	0.00	7.46
148. Remove Batt insulation - 6" - R19 - unfaced batt	35.52 SF	0.32	0.00	0.00	11.37
149. Clean more than the walls and ceiling	577.27 SF	0.00	0.42	0.49	242.94
The above charge is for (2) rounds of cleaning.					
150. HEPA Vacuuming - Detailed - (PER SF)	577.27 SF	0.00	0.91	0.00	525.32

The above charge is for (2) rounds of HEPA Vacuuming.
This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.
IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.
While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.

151. Remove Suspended ceiling grid - 2' x 4'	35.52 SF	0.03	0.00	0.00	1.07
Totals: Utility Closet				0.63	811.62

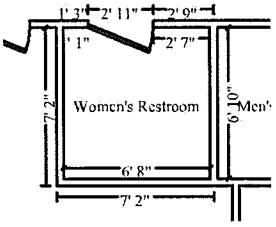


Tool room **Height: 9'**

563.67 SF Walls	235.46 SF Ceiling
799.14 SF Walls & Ceiling	235.46 SF Floor
26.16 SY Flooring	61.97 LF Floor Perimeter
65.00 LF Ceil. Perimeter	

Door **3' 5/16" X 7' 7/16"** **Opens into Exterior**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
152. Remove Suspended ceiling tile - Standard grade - 2' x 4'	235.46 SF	0.21	0.00	0.00	49.45
153. Remove Batt insulation - 6" - R19 - unfaced batt	235.46 SF	0.32	0.00	0.00	75.35
154. Clean more than the walls and ceiling	2,069.20 SF	0.00	0.42	1.76	870.82
The above charge is for (2) rounds of cleaning.					
155. HEPA Vacuuming - Detailed - (PER SF)	2,069.20 SF	0.00	0.91	0.00	1,882.97
The above charge is for (2) rounds of HEPA Vacuuming. This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist. IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation. While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.					
156. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
157. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
158. Remove Suspended ceiling grid - 2' x 4'	235.46 SF	0.03	0.00	0.00	7.06
Totals: Tool room				5.94	3,469.78

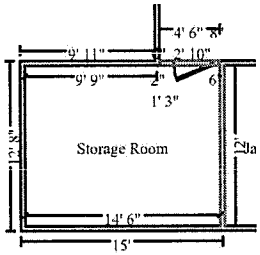


Women's restroom **Height: 14' 6"**

370.82 SF Walls	45.42 SF Ceiling
416.23 SF Walls & Ceiling	45.42 SF Floor
5.05 SY Flooring	24.03 LF Floor Perimeter
26.96 LF Ceil. Perimeter	

Door **2' 11 3/16" X 6' 10 5/16"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
159. Remove Suspended ceiling tile - Standard grade - 2' x 4'	45.42 SF	0.21	0.00	0.00	9.54
160. Remove Batt insulation - 6" - R19 - unfaced batt	45.42 SF	0.32	0.00	0.00	14.53
161. Clean more than the walls and ceiling	923.30 SF	0.00	0.42	0.79	388.58
The above charge is for (2) rounds of cleaning.					
162. HEPA Vacuuming - Detailed - (PER SF)	923.30 SF	0.00	0.91	0.00	840.20
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**						
163. Remove Suspended ceiling grid - 2' x 4'	45.42 SF	0.03	0.00	0.00	1.36
Totals: Women's restroom				0.79	1,254.21



Storage Room **Height: 14' 6"**

673.21 SF Walls	173.53 SF Ceiling
846.74 SF Walls & Ceiling	173.53 SF Floor
19.28 SY Flooring	50.05 LF Floor Perimeter
40.93 LF Ceil. Perimeter	

Missing Wall - Goes to Ceiling **11' 11 15/16" X 4' 6"** **Opens into JASONS_OFFI**

Missing Wall - Goes to neither Floor/Ceiling **4' 6" X 4' 6"** **Opens into HALLWAY**

Door **2' 10 1/2" X 6' 11 7/16"** **Opens into HALLWAY**

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
164. Clean more than the walls and ceiling	2,040.55 SF	0.00	0.42	1.74	858.77

CONTINUED - Storage Room

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
The above charge is for (2) rounds of cleaning.					
165. HEPA Vacuuming - Detailed - (PER SF)	2,040.55 SF	0.00	0.91	0.00	1,856.90
The above charge is for (2) rounds of HEPA Vacuuming. **This mold remediation estimate is being written using guidelines published in the IICRC S520, and based on a pre-remediation protocol provided by a licensed 3 rd party environmental hygienist.** **IICRC S520 calls for HEPA vacuuming during the demolition phase of mold remediation, and again during the cleaning phase of mold remediation.** **While the S520 does not dictate exactly how many rounds of cleaning are necessary for proper mold remediation, it does state that technicians should allow time for all dust particles and mold spores to settle between rounds of cleaning, which indicates the need for multiple rounds. SERVPRO typically performs 5-6 rounds of cleaning, charging only for 2.**					
166. Add for HEPA filter (for negative air exhaust fan)	0.25 EA	0.00	211.96	4.18	57.17
The above charge is for (1) HEPA Air scrubber replacement filter.					
167. Negative air fan/Air scrubber (24 hr period) - No monit.	7.00 DA	0.00	75.28	0.00	526.96
1 HEPA air scrubber for 5 days.					
Totals: Storage Room				5.92	3,299.80
Total: JOB				**180.92**	**70,490.96**

HVAC

DESCRIPTION	QTY	REMOVE	REPLACE	TAX	TOTAL
168. Remove Ceiling diffusers/grills - circular - 12"-15" diameter	19.00 EA	6.71	0.00	0.00	127.49
169. Cold air return cover - Detach	14.00 EA	0.00	26.21	0.00	366.94
170. Clean register - heat / AC	19.00 EA	0.00	6.74	0.03	128.09
171. Clean cold air return cover	14.00 EA	0.00	10.40	0.08	145.68
172. Clean ductwork - Interior (PER REGISTER)	33.00 EA	0.00	36.24	0.31	1,196.23
173. Clean evaporator coil	3.00 EA	0.00	73.17	0.06	219.57
174. Clean air handler	3.00 EA	0.00	51.87	0.06	155.67
175. Removal of ductwork insulation wrap	1.00 EA	0.00	1,500.00	86.87	1,586.87
176. Remove Ductwork system - Remove hot or cold air - 3200 to 3500 SF home	1.00 EA	892.55	0.00	0.00	892.55
Totals: HVAC				87.41	4,819.09
Total: Source - DocuSketch				**268.33**	**75,310.05**

Line Item Totals: GSHELMS_&_ASSOCIATES	268.33	75,310.05

Grand Total Areas:

13,397.67	SF Walls	3,317.15	SF Ceiling	16,714.81	SF Walls and Ceiling
3,306.72	SF Floor	367.41	SY Flooring	1,008.74	LF Floor Perimeter
0.00	SF Long Wall	0.00	SF Short Wall	1,177.69	LF Ceil. Perimeter
3,306.72	Floor Area	3,565.78	Total Area	13,397.67	Interior Wall Area
4,503.85	Exterior Wall Area	371.86	Exterior Perimeter of Walls		
0.00	Surface Area	0.00	Number of Squares	0.00	Total Perimeter Length
0.00	Total Ridge Length	0.00	Total Hip Length		

Servpro of South Tulsa County

14690 E. Pine St.
Tulsa, OK 74116
(918) 437-2095

Summary for Dwelling

Line Item Total	75,041.72
Material Sales Tax	268.33
Replacement Cost Value	**$75,310.05**
Net Claim	**$75,310.05**

Ronnie Davis

Servpro of South Tulsa County

14690 E. Pine St.
Tulsa, OK 74116
(918) 437-2095

Recap of Taxes

	Material Sales Tax (8.517%)	Manuf. Home Tax (8.517%)	Storage Rental Tax (8.517%)
Line Items	268.33	0.00	0.00
Total	**268.33**	**0.00**	**0.00**

Servpro of South Tulsa County

14690 E. Pine St.
Tulsa, OK 74116
(918) 437-2095

Recap by Room

Estimate: GSHELMS_&_ASSOCIATES

Area: Source - DocuSketch

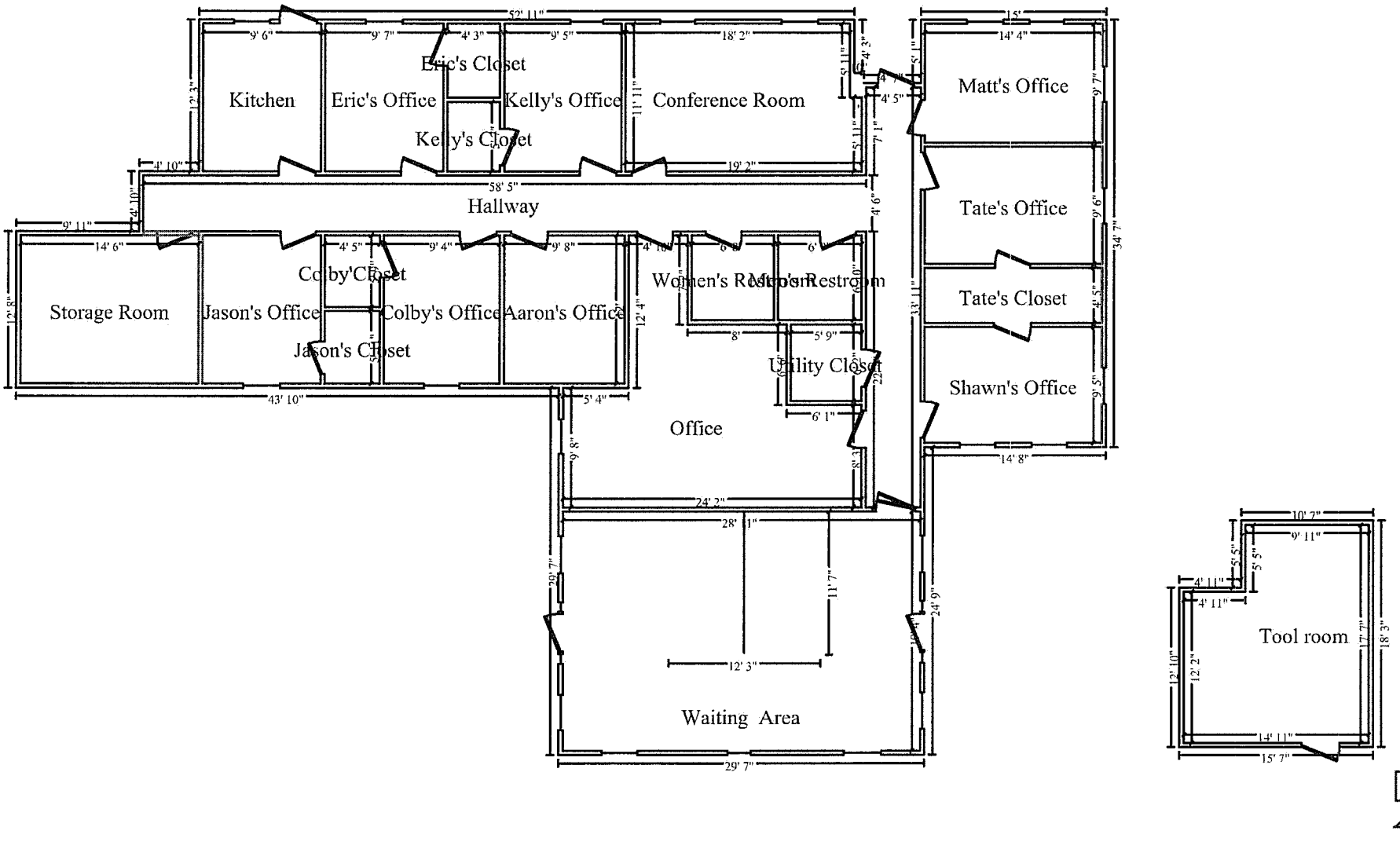
Area: JOB	**3,380.96**	**4.51%**
Hallway	**8,364.45**	**11.15%**
Conference Room	**4,387.25**	**5.85%**
Office	**6,290.59**	**8.38%**
Aaron's office	**3,019.43**	**4.02%**
Colby's office	**2,879.37**	**3.84%**
Jason's closet	**935.10**	**1.25%**
Colby'closet	**916.69**	**1.22%**
Jason's Office	**2,764.82**	**3.68%**
Eric's Closet	**557.70**	**0.74%**
Eric's office	**2,894.66**	**3.86%**
Kelly's office	**2,247.66**	**3.00%**
Matt's office	**3,245.28**	**4.32%**
Men's Restroom	**1,264.26**	**1.68%**
Waiting Area	**6,541.10**	**8.72%**
Tate's Closet	**1,788.28**	**2.38%**
Tate's Office	**3,231.44**	**4.31%**
Shawn's office	**3,157.53**	**4.21%**
Kelly's Closet	**871.89**	**1.16%**
Kitchen	**2,749.45**	**3.66%**
Utility Closet	**810.99**	**1.08%**
Tool room	**3,463.84**	**4.62%**
Women's restroom	**1,253.42**	**1.67%**
Storage Room	**3,293.88**	**4.39%**
Area Subtotal: JOB	**70,310.04**	**93.69%**
HVAC	**4,731.68**	**6.31%**
Area Subtotal: Source - DocuSketch	**75,041.72**	**100.00%**
Subtotal of Areas	**75,041.72**	**100.00%**
Total	**75,041.72**	**100.00%**

Servpro of South Tulsa County

14690 E. Pine St.
Tulsa, OK 74116
(918) 437-2095

Recap by Category

Items	Total	%
CLEANING	18,662.81	24.78%
GENERAL DEMOLITION	7,772.55	10.32%
HAZARDOUS MATERIAL REMEDIATION	38,621.94	51.28%
HEAT, VENT & AIR CONDITIONING	366.94	0.49%
SPECIALTY ITEMS	1,500.00	1.99%
WATER EXTRACTION & REMEDIATION	8,117.48	10.78%
Subtotal	75,041.72	99.64%
Material Sales Tax	268.33	0.36%
Total	75,310.05	100.00%


Kitchen
Eric's Closet
Eric's Office
Kelly's Office
Kelly's Closet
Conference Room
Hallway
Matt's Office
Tate's Office
Tate's Closet
Shawn's Office
Storage Room
Colby'Closet
Jason's Office
Colby's Office
Aaron's Office
Jason's Closet
Women's Restroom
Men's Restroom
Utility Closet
Office
Waiting Area
Tool room
N
JOB

JENKS AQUARIUM AUTHORITY
CITY OF JENKS

OKLAHOMA AQUARIUM

ODWC OFFICE REMEDIATION

300 AQUARIUM DRIVE
JENKS, OK 74037

PROJECT SPECIFICATIONS

JANUARY 19, 2026

GSHELMS & ASSOCIATES, LLC
ARCHITECTURE
424 E. MAIN ST.
JENKS, OK 74037

TABLE OF CONTENTS

BIDDING & CONTRACT DOCUMENTS

SECTION	TITLE	PAGE NO.
000120	Instructions to Bidders	1
000800	Limited Mold Assessment Report #2153-25	76
000900	Existing Building Construction Drawings	16



SECTION 000120

INSTRUCTIONS TO BIDDERS

PROJECT SCOPE

1. REPORT

Remediation work shall include removal and cleaning of items identified on attached ***Limited Mold Assessment Report #2153-25*** prepared by Pioneer Environmental.

2. QUALIFICATIONS

All work shall be performed by a qualified, licensed remediation contractor and shall follow all required safety regulations for the removal and disposal of remediated materials.

3. DRAWINGS

Copies of existing building construction drawings are attached for Bidder's use.

4. SITE REVIEW

All Bidders shall visit the site prior to submission of Proposal.

5. OVERVIEW OF WORK TO BE PERFORMED

Below is a brief outline of work to be included, but not limited to, in Proposal. Bidders shall refer to Assessment Report for a complete list of work required as part of this project.

A. Removal of all carpeting throughout ODWC Office Building.
B. Removal of all ceiling tiles and ceiling grid (including tie wires) throughout ODWC Office Building.
C. Removal of gypsum wallboard and batt insulation as indicated on attached Report.
D. Removal of all flexible HVAC ductwork, supply grilles and return air grills.
E. Removal of all ductwork insulation wrap throughout ODWC Office Building.
F. Removal of all light fixtures.
G. Cleaning and decontamination of all systems and materials remaining in building.
H. Post-remediation testing and report.
I. Remediation Contractor shall include all costs for licensed electrical, HVAC and plumbing contractors required to perform any work required by licensed tradespersons.

PIONEER
ENVIRONMENTAL

3817 NE 141st Cir. Edmond, OK 73013
info@pioneer-enviro.com
(405) 463-3463

LIMITED MOLD ASSESSMENT REPORT

REPORT #2153-25

CLIENT INFORMATION:

Client Name:
Oklahoma Aquarium
Client Address:
300 Aquarium Dr.
Jenks, OK 74037

PROJECT INFORMATION:

Date of Inspection:
December 8th, 2025
Time of Inspection:
12:30 P.M.
Inspected Property Address:
Oklahoma Department of Wildlife Conservation
300 Aquarium Dr.
Jenks, OK 74037

AREAS SUBJECT TO INSPECTION:

Inspected Area(s):
Oklahoma Department of Wildlife Conservation
Interior Office Spaces throughout the Building

TABLE OF CONTENTS

COVERPAGE: CLIENT & PROJECT INFORMATION.....pg. 1
TABLE OF CONTENTS.....pg. 2
PREFACE: MOLD A GROWING CONCEARN.....pg. 3
THE LIMITED MOLD ASSESSMENT.....pg. 4
SCOPE OF EVALUATION.....pg. 5
ON-SITE SAMPLING.....pg. 6
Equipment Used.....pg. 6
Tests Performed.....pg. 6
Exterior Conditions.....pg. 6
OBSERVATIONS AND ON-SITE MESUREMENTS.....pgs. 7-24
INTERPRETATION OF LABORATORY SAMPLE RESULTS.....pg. 25
Spore Trap Results.....pg. 26-27
Tape Lift Results.....pg. 28
REFERENCE GUIDELINE CHARTS.....pg. 29
SUMMARY OF FINDINGS.....pgs. 30-32
REMEDIATION PROTOCOLS.....pgs. 33-45
CONTENTS REMEDIATION RECCOMENDATIONS.....pgs. 46-47
PHOTOGRAPHS.....pgs. 48-58

-Laboratory Anaylsis Results are Attached to the Back of this Report-

MOLD: A GROWING CONCERN

The world is both a moldy and dusty place. We are all exposed to mold on a daily basis without evident harm. Recent Studies estimate that 50%-65% of homes contain some sort of mold problem, exposing an estimated 40 million Americans. Although there are currently no federal standards or recommendations regarding concentrations of mold or mold spores in indoor air environments, clearly there are health risks associated with mold infestations.

Exposure to elevated mold levels can be unhealthy. There are certain individuals who appear to have a greater risk for adverse health effects from mold:

- Infants and Children
- Elderly
- Immune-compromised patients
- Pregnant women
- Individuals with respiratory conditions (such as allergies, multiple chemical sensitivity, and asthma)

There are three ways mold spores can enter the human body:

- **Inhalation-** Breathing in airborne mold spores.
- **Skin-** Touching moldy surfaces such as furniture or coming into contact with plants that may have molds.
- **Ingestion-** Eating toxic fungal species on spoiled food, including nuts, grain, rice, and other agricultural products.

Potential health effects from mold:

- **Toxicosis-** Dramatic and carcinogenic effects have been recorded in animals and humans exposed to high levels of mycotoxins in laboratory studies. Symptoms may include cold and flu-like symptoms, headaches, nosebleeds, dermatitis, and immune suppression.
- **Allergies-** Allergies are the most common symptoms associated with exposure to elevated levels of fungal spores or mold fragments.
- **Irritation-** Fungi produce volatile organic compounds during degradation of substrates that cause the moldy odor associated with fungal contamination. These compounds can be irritating to mucous membranes, causing headaches and many other symptoms.
- **Asthma-** 17.3 million Americans have asthma, a respiratory disease that leaves sufferers coughing, wheezing, and gasping for air. A 300% increase in the asthma rate over the past 20 years has been directly linked to molds.
- **Chronic Sinusitis-** Researchers have found that chronic sinusitis is apparently caused by an immune response to fungus (mold). Researchers made this discovery when they found 202 out of 210 patients with chronic sinusitis had fungi in their mucus.

THE LIMITED MOLD ASSESSMENT

The Limited Mold Assessment is performed by an NAMRI (National Association of Mold Remediators and Inspectors) and IAC2 (International Association of Certified Indoor Air Consultants) Certified Mold Inspector. The Limited Mold Assessment is a fast and affordable way to confirm the existence of mold in a defined area or areas of the building and establish a remediation plan in accordance with accepted industry standards. The Limited Mold Assessment is a non-invasive, visual examination of the affected portions of the property, supported by the laboratory analysis of samples collected on-site to determine the type of mold growth present and the extent of any subsequent mold contamination. If physical mold growth or significantly elevated levels of airborne mold spores are detected, then the visual inspection, on-site measurements, and laboratory results are then interpreted to create a remediation work plan in accordance with the work practices set forth in the ANSI/IICRC S520 Standard for Professional Mold Remediation. The Pre-Remediation Assessment does not include a visual examination of the entire building but is *limited* to a specific area or areas of the building identified and defined by the inspector and agreed to by the client. As a result, potential sources of mold growth in other areas of the building may not be inspected.

The inspector shall perform:

- A non-invasive, visual examination of the readily accessible, visible, and installed systems and components of the specific room(s) or area(s) defined by the inspector and agreed to by the client.
- Measurement of the exterior atmospheric conditions and the interior atmospheric conditions within the specific room(s) or area(s) defined by the inspector and agreed to by the client.
- Measurement of airborne particles in the PM2.5 and PM10 ranges within the specific room(s) or area(s) defined by the inspector and agreed to by the client.
- Non-invasive moisture detection on areas suspected of moisture intrusion within the specific room(s) or area(s) defined by the inspector and agreed to by the client.
- Possible spore trap air sampling at selected areas of concern
- Possible surface sampling at selected areas of concern
- Photo documentation of all sampled areas and identified areas of suspected mold growth.

The inspector shall report:

- Moisture intrusion
- Water damage
- Musty odors
- Visible mold growth
- Conditions conducive to mold growth
- The results of laboratory analysis of all mold samplings taken at the building
- Interpretation of the laboratory data and visual inspection observations
- Remediation recommendations based on the laboratory data and on-site conditions in accordance with the ANSI/IICRC S520 Standard

SCOPE OF EVALUATION

At the request of the Oklahoma Aquarium, a Limited Mold Assessment was performed at the Oklahoma Department of Wildlife Conservation Office Building located at 300 Aquarium Dr. Jenks, OK 74037 to evaluate the building's interior office spaces. This evaluation was conducted in accordance with the investigative protocols outlined in the ASTM D7338 Guidelines for Fungal Assessment and the remediation practices established in the IICRC S520 Standard for Professional Mold Remediation.

The assessment was non-invasive and included a detailed visual inspection of the building's interior office spaces focusing on moisture-damaged building materials, evidence of visible fungal growth, and conditions conducive to microbial amplification. Moisture mapping was performed using both pin-type and pinless meters, and infrared thermography was employed as necessary to identify concealed water intrusion or thermal anomalies. Environmental data-such as relative humidity, ambient temperature, and dew point-were collected to contextualize microbial viability and assess environmental contributors. A laser based particle detector was utilized to collect real-time PM2.5 and PM10 measurements to assess airborne particulate concentrations, which may indicate elevated indoor aerosol levels associated with dust, mold fragments, pollen, or other environmental contaminants. Inspection areas included all easily accessible rooms & closets and components of the HVAC system which did not require disassembly or the removal of fasteners such as supply & return registers, accessible return plenums, exterior of furnace units, and associated plumbing where exposed. Observations were documented photographically and used to support on-site and laboratory findings. No disassembly of mechanical systems or intrusive inspection techniques were employed unless otherwise authorized.

Where indicated, spore trap air and/or tape lift surface samples were collected to supplement visual observations and provide a baseline fungal profile. All samples were submitted to an AIHA EMLAP-accredited laboratory for analysis using direct microscopy methods. Sampling documentation and chain-of-custody forms are included in the report appendices.

This Limited Mold Assessment does not constitute clearance or verification of remediation efficacy. It is intended solely to define the extent and conditions of contamination to guide remediation planning and execution. Final interpretations are based on site-specific data, professional judgment, and comparison to representative outdoor reference samples where applicable.

ON-SITE SAMPLING

SAMPLING METHODOLOGY

Air sampling for airborne mold spores was performed through Allergenco-D cassettes using a vacuum pump calibrated before and after sampling to ensure its operation at 15 liters per minute. An Allergenco-D cassette is an inertial impaction device that draws particles in the incoming airstream to impact and adhere to a sticky and optically transparent sampling media. The cassettes are then submitted to a certified laboratory where the particles in the cassette are examined microscopically without culturing.

EQUIPMENT USED

Air samples were collected with a Zefon Bio-Pump Plus and Allergenco-D cassettes, with each air sample running for 5 minutes at 15 liters per minute as is standard protocol for this type of test. The tape lift surface sample was obtained with clear collection tape media on a sterile glass slide. Particle Counting for particles in the $PM_{2.5}$ and PM_{10} ranges was performed with the use of a laser particle counter. Temperature, Relative Humidity and Dew Point were recorded with the use of a Hygrometer. Any areas displaying visible water damage or are suspected of being affected by moisture intrusion are measured with a pinless moisture meter and supplemented with infrared thermography.

TESTS PERFORMED

Number of Air Samples- 12
Tape-Lift Surface Samples- 3
Swab Surface Sample- 0

RECORDED EXTERIOR "AMBIENT" ATMOSPHERIC CONDITIONS						
Location	**Temperature**	**Humidity**	**AQI**	**Wind Direction**	**$PM_{2.5}$ ($\mu g/m^3$)**	**PM_{10} ($\mu g/m^3$)**
Front Yard	42°F Sunny	64%	52 Moderate	S 3 mph	9.8	25.0

OBSERVATIONS AND ON-SITE MEASUREMENTS

INSPECTED LOCATION #1:			
Lobby Area			
Temperature:	66°F	Dimensions:	Lobby: 19'6"x29'5"x(9'-12'4")
Relative Humidity:	40%	Flooring Type:	☒Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	41°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☒Ceiling Tile ☐Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	54°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X2) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☒Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
12.2	17.1	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☒Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

Physical water damage in the form of water staining was observed around the carpeting located near the southern entry door. Scattered surface mold growth was observed on the 2 HVAC ceiling supply diffusers with each diffuser being affected by 3-4 sq. ft. of surface growth. Accumulated dust build up and light microbial growth was also identified on the ceiling panels and UV lighting fixture surrounding the northern HVAC ceiling supply diffuser affecting approximately 16-20 sq. ft. of surface area. The UV lighting vallance located near the southern HVAC ceiling diffuser also displayed scattered surface mold growth to a lesser degree affecting approximately 1 sq. ft. of surface area when combined. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

Scattered surface mold growth was observed on the 2 HVAC ceiling supply diffusers with each diffuser being affected by 3-4 sq. ft. of surface growth. Accumulated dust build up and light microbial growth was also identified on the ceiling panels and UV lighting fixture surrounding the northern HVAC ceiling supply diffuser affecting approximately 16-20 sq. ft. of surface area. The UV lighting vallance located near the southern HVAC ceiling diffuser also displayed scattered surface mold growth to a lesser degree affecting approximately 1 sq. ft. of surface area when combined.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #2:			
Shawn's Office			
Temperature:	69°F	Dimensions:	Shawn's Office: 14'7"x9'7"x9'
Relative Humidity:	39%	Flooring Type:	☒Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	43°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	56°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X1) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☒Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
8.0	11.2	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☒Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☐Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☐Microbial Growth ☐None Observed

Physical water damage in the form of water staining and scattered mold growth was identified on several of the ceiling panels. 2 of the affected ceiling panels displayed scattered mold growth with a combined area measuring approximately 2 sq. ft. being affected. The ceiling HVAC supply diffuser displayed scattered mold growth on its surface affecting approximately 3-4 sq. ft. of surface area. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

Scattered mold growth was identified on several of the ceiling panels. 2 of the affected ceiling panels displayed scattered mold growth with a combined area measuring approximately 2 sq. ft. being affected. The ceiling HVAC supply diffuser displayed scattered mold growth on its surface affecting approximately 3-4 sq. ft. of surface area.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #3:			
Tate's Office			
Temperature:	70°F	Dimensions:	Tate's Office: 14'7"x9'8"x9'
Relative Humidity:	39%	Flooring Type:	☒Carpeting ☐Wood ☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	44°F	Ceiling Type:	☐Drywall ☐Plaster ☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X1) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☒Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
12.1	16.9	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☐Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

Physical water damage in the form of water staining was observed on 2 of the ceiling panels. The HVAC ceiling supply diffuser displayed scattered mold growth on its surface and surrounding metal framing affecting a combined area measuring approximately 3-4 sq. ft. when combined. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

The HVAC ceiling supply diffuser displayed scattered mold growth on its surface and surrounding metal framing affecting a combined area measuring approximately 3-4 sq. ft. when combined.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #4:			
Matt's Office			
Temperature:	71°F	Dimensions:	Matt's Office: 14'7"x9'5"x9'
Relative Humidity:	37%	Flooring Type:	☒Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	44°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X1) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☒Light Dust Build Up ☐ Heavy Dust Build Up ☒Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
9.3	13.0	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☒Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☐Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☐Microbial Growth ☐None Observed

Physical water damage in the form of water staining was observed on 2 of the ceiling panels and one of the ceiling lightings vallances. The HVAC ceiling supply diffuser displayed scattered mold growth on its surface affecting a combined area measuring approximately 1-2 sq. ft. when combined. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

The HVAC ceiling supply diffuser displayed scattered mold growth on its surface affecting a combined area measuring approximately 1-2 sq. ft. when combined.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #5:			
Hallway			
Temperature:	71°F	Dimensions:	Hallway #1: 4'6"x35'1"x9' Hallway #2: 4'6"x60'1"x9'
Relative Humidity:	37%	Flooring Type:	☒Carpeting ☐Wood ☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	43°F	Ceiling Type:	☐Drywall ☐Plaster ☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (x2) ☐ No			HVAC Intake Register Present? ☐Yes ☒ No
If Yes, ☐Clean ☐Rusting ☒Light Dust Build Up ☐ Heavy Dust Build Up ☒Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
11.2	15.9	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☐Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

Hallway #1
Physical water damage in the form of water staining was identified on the carpeting surrounding the Hallways eastern exterior door and the area surrounding the Water Heater Closet where the ice machine was located. Both of the HVAC ceiling supply diffusers displayed scattered mold growth on their surfaces, each being affected by 1-2 sq. ft. of combined growth. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Hallway #2
Physical water damage in the form of water staining was identified on 8 of the ceiling panels. A ceiling panel had been removed from the central portion of the Hallway above the area of the carpet which was visibly water stained. The wall wallboard above this area was in good physical condition and showed no signs of physical water staining. Scattered mold growth was identified on the upper quarter of the Hallways western wall near the doorway to Jason's Office where approximately 1 sq. ft. of wallboard was affected by scattered mold growth. The area above and below the mold affected portion of the wall displayed water staining from past moisture intrusion. The carpeting below this area also displayed water staining. Although no mold growth was detected here, the upper wallboard above the doorway to the Women's Restroom was visibly cracked and slightly deteriorated from past moisture intrusion further evidence by the water staining on the ceiling panel above. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

Hallway #1
Both of the HVAC ceiling supply diffusers displayed scattered mold growth on their surfaces each being affected by 1-2 sq. ft. of combined growth.

Hallway #2

Scattered mold growth was identified on the upper quarter of the Hallways western wall near the doorway to Jason's Office where approximately 1 sq. ft. of wallboard was affected by scattered mold growth.
Conditions Conducive to Mold Growth:
No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #6:			
Administration Office			
Temperature:	71°F	Dimensions:	Southern Offset: 6'x8'x9' Northern Offset: 7'5"x5'x9' Administration Office: 14'7"x17'9"x9'
Relative Humidity:	38%	Flooring Type:	☒Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	44°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X3) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☒Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
10.7	15.0	☐No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☒Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

Physical water damage in the form of water staining from past moisture intrusion was observed on 4 separate ceiling panels. The ceiling panels surrounding the 3 ceiling diffusers displayed accumulated dust and limited mold growth on their surface and were in need of replacement. Scattered mold growth was observed on the 3 HVAC ceiling supply diffusers and their associated metal framing with each supply and framing being affected by approximately 3-4 sq. ft. of combined growth. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

Scattered mold growth was observed on the 3 HVAC ceiling supply diffusers and their associated metal framing with each supply and framing being affected by approximately 3-4 sq. ft. of combined growth.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #7:			
Utility Closet			
Temperature:	71°F	Dimensions:	Utility Closet: 6'4"x5'7"x15'2"
Relative Humidity:	39%	Flooring Type:	☐Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☒Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	44°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☐Ceiling Tile ☐Ceiling Panel ☒Metal Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☐Yes ☒ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth			If Yes, ☒Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
10.9	15.3	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☐Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

Physical water damage in the form of scattered surface mold growth was identified on the PVC plumbing drain lines associated with the ice machine. Scattered mold growth resulting from past moisture intrusion was identified on the lower eastern wall wallboard beside the janitorial sink affecting approximately 1 sq. ft. of surface area where the vinyl cove base had been removed. Scattered mold growth was also identified on a loose ceiling tile which had been placed between the ice machine and the western wall where an area measuring less than 1 sq. ft. was visibly affected. Water staining from past moisture intrusion was identified on the wooden components of the elevated water heater stand.

Mold Growth:
☒Present ☐None Observed

Physical water damage in the form of scattered surface mold growth was identified on the PVC plumbing drain lines associated with the ice machine. Scattered mold growth resulting from past moisture intrusion was identified on the lower eastern wall wallboard beside the janitorial sink affecting approximately 1 sq. ft. of surface area where the vinyl cove base had been removed. Scattered mold growth was also identified on a loose ceiling tile which had been placed between the ice machine and the western wall where an area measuring less than 1 sq. ft. was visibly affected.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #8:			
Men's Restroom			
Temperature:	71°F	Dimensions:	Men's Restroom: 7'1"x6'6"x8'
Relative Humidity:	37%	Flooring Type:	☐Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☒Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	43°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X1) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
10.3	15.5	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☐Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:

☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:

☐Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

The HVAC ceiling supply diffuser displayed scattered mold growth on its surface affecting a combined area measuring approximately 1-2 sq. ft. when combined. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:

☒Present ☐None Observed

The HVAC ceiling supply diffuser displayed scattered mold growth on its surface affecting a combined area measuring approximately 1-2 sq. ft. when combined.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #9:			
Women's Restroom			
Temperature:	71°F	Dimensions:	Women's Restroom: 7'1"x6'6"x8'
Relative Humidity:	37%	Flooring Type:	☐Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☒Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	43°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X1) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
10.2	14.3	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☐Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

2 of the ceiling panels displayed water staining on their face side. One of the ceiling panels had been removed and visible mold growth was visible on its top side affecting approximately 2-3 sq. ft. of surface area. The HVAC ceiling supply diffuser displayed scattered mold growth on its surface affecting a combined area measuring approximately 1-2 sq. ft. when combined. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

2 of the ceiling panels displayed water staining on their face side. One of the ceiling panels had been removed and visible mold growth was visible on its top side affecting approximately 2-3 sq. ft. of surface area. The HVAC ceiling supply diffuser displayed scattered mold growth on its surface affecting a combined area measuring approximately 1-2 sq. ft. when combined.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #10:			
Aaron's Office			
Temperature:	72°F	Dimensions:	Aaron's Office: 12'1"x9'8"x9'
Relative Humidity:	36%	Flooring Type:	☒Carpeting ☐Wood ☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	44°F	Ceiling Type:	☐Drywall ☐Plaster ☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	58°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X1) ☐ No		HVAC Intake Register Present? ☒Yes ☐ No	
If Yes, ☐Clean ☐Rusting ☒Light Dust Build Up ☐ Heavy Dust Build Up ☒Mold Growth		If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth	

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
10.3	14.5	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☐Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

Scattered mold growth resulting from past moisture intrusion was identified along the northern most edges of the northern most ceiling panels at the central area of the wall where a combined 2-3 sq. ft. was visibly affected between the ceiling panels and associated metal framing. The HVAC ceiling supply diffuser displayed scattered mold growth on its surface affecting a combined area measuring approximately 1-2 sq. ft. when combined. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

Scattered mold growth resulting from past moisture intrusion was identified along the northern most edges of the northern most ceiling panels at the central area of the wall where a combined 2-3 sq. ft. was visibly affected between the ceiling panels and associated metal framing. The HVAC ceiling supply diffuser displayed scattered mold growth on its surface affecting a combined area measuring approximately 1-2 sq. ft. when combined.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #11:			
Colby's Office			
Temperature:	71°F	Dimensions:	Colby's Office: 12'1"x9'7"x9'
Relative Humidity:	37%	Flooring Type:	☒Carpeting ☐Wood ☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	43°F	Ceiling Type:	☐Drywall ☐Plaster ☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X1) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
15.2	20.5	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☐Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

The HVAC ceiling diffuser had been covered with a ceiling tile however a portion of the ceiling tile had been broken away from the corner exposing the diffuser. The visible exposed portion of the diffuser displayed scattered mold growth on its surface indicating further growth concealed by the ceiling panel. Some minor surface mold growth was identified on the metal framing surrounding this area. 3 of the ceiling panels displayed water staining from past moisture intrusion. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

The HVAC ceiling diffuser had been covered with a ceiling tile however a portion of the ceiling tile had been broken away from the corner exposing the diffuser. The visible exposed portion of the diffuser displayed scattered mold growth on its surface indicating further growth concealed by the ceiling panel. Some minor surface mold growth was identified on the metal framing surrounding this area.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #12:			
Jason's Office			
Temperature:	71°F	Dimensions:	Jason's Office: 12'1"x9'7"x9'
Relative Humidity:	38%	Flooring Type:	☒Carpeting ☐Wood ☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	44°F	Ceiling Type:	☐Drywall ☐Plaster ☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X1) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☒Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
9.9	14.3	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☒Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

3 of the ceiling panels displayed water staining from past moisture intrusion. The HVAC ceiling supply diffuser displayed scattered mold growth across its surface and associated metal framing affecting a combined 3-4 sq. ft. of surface area. The ceiling panels surrounding the supply diffuser displayed accumulated dust build up in their surfaces. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

The HVAC ceiling supply diffuser displayed scattered mold growth across its surface and associated metal framing affecting a combined 3-4 sq. ft. of surface area.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #13:			
Kitchen			
Temperature:	71°F	Dimensions:	Kitchen: 9'7"x12'x9'
Relative Humidity:	38%	Flooring Type:	☐Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☒Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	44°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	58°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X1) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☒Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
10.6	14.9	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☒Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☒Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

Physical water damage in the form of water staining was identified on a ceiling panel and the 2 lighting fixtures. Scattered surface mold growth was identified on the HVAC ceiling supply diffuser affecting an area measuring approximately 1-2 sq. ft. combined. Physical water damage in the form of water staining, physical deterioration, and scattered mold growth were identified at the lower eastern wall at the area beside the refrigerator affecting an area measuring approximately 3-4 sq. ft. in size. Evidence of past moisture intrusion in the form of rusting was identified on the lower metal framing of the exterior door. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

Scattered surface mold growth was identified on the HVAC ceiling supply diffuser affecting an area measuring approximately 1-2 sq. ft. combined. Physical water damage in the form of water staining, physical deterioration, and scattered mold growth were identified at the lower eastern wall at the area beside the refrigerator affecting an area measuring approximately 3-4 sq. ft. in size.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #14:			
Eric's Office			
Temperature:	71°F	Dimensions:	Eric's Office: 12'x9'7"x9'
Relative Humidity:	37%	Flooring Type:	☒Carpeting ☐Wood ☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	44°F	Ceiling Type:	☐Drywall ☐Plaster ☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☒Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
9.7	13.5	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☒Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☒Yes ☐No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

Physical water damage in the form of water staining was identified on the eastern end of the carpeting. Physical water damage in the form of water staining and scattered mold growth was identified on the eastern end of the lower northern wall where an area measuring approximately 2 sq. ft. in size was visibly affected by growth. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

Physical water damage in the form of water staining and scattered mold growth was identified on the eastern end of the lower northern wall where an area measuring approximately 2 sq. ft. in size was visibly affected by growth.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #15:			
Kelly's Office			
Temperature:	71°F	Dimensions:	Kelly's Office: 9'8"x12'1"x9'
Relative Humidity:	37%	Flooring Type:	☒Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	44°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X1) ☐ No			HVAC Intake Register Present? ☒Yes ☐ No
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☒Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
9.0	12.6	☐No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☐Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☐Yes ☒No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☐Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

The HVAC ceiling supply diffuser displayed scattered mold growth across its surface affecting a combined 1-2 sq. ft. of surface area. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

The HVAC ceiling supply diffuser displayed scattered mold growth across its surface affecting a combined 1-2 sq. ft. of surface area.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #16:			
Conference Room			
Temperature:	72°F	Dimensions:	Conference Room: 19'8"x12'x9'
Relative Humidity:	37%	Flooring Type:	☒Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☐Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	44°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☐Ceiling Tile ☒Ceiling Panel ☐Wood Frame ☐Unfinished ☐Other
Wet Bulb:	58°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes (X2) ☐ No		HVAC Intake Register Present? ☒Yes ☐ No	
If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☒Mold Growth		If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☒ Heavy Dust Build Up ☐Mold Growth	

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
9.4	13.2	☐No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☒Spore Trap ☐Tape Lift ☐Swab	☐ Condition 1 "Normal Fungal Ecology" ☒ Condition 2 "Settled Spores" ☒ Condition 3 "Active Growth"	☐Yes ☒No

Moisture Intrusion:
☐Active ☒Past ☐Intermittent ☐None Observed

No active moisture intrusion was detected, however, signs of past moisture intrusion were observed. (see Water Damage)

Water Damage:
☒Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☒Microbial Growth ☐None Observed

The southern HVAC ceiling supply diffuser displayed scattered mold growth across its surface affecting a combined 1-2 sq. ft. of surface area. The northern HVAC ceiling supply diffuser displayed scattered mold growth across its surface affecting less than 1 sq. ft. of combined area. Water staining was identified on 5 of the ceiling panels. The majority of the observed ceiling panels/tiles were bowed indicating prolonged exposure to elevated humidity levels at some point in the past.

Mold Growth:
☒Present ☐None Observed

The southern HVAC ceiling supply diffuser displayed scattered mold growth across its surface affecting a combined 1-2 sq. ft. of surface area. The northern HVAC ceiling supply diffuser displayed scattered mold growth across its surface affecting less than 1 sq. ft. of combined area.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INSPECTED LOCATION #17:			
Sprinkler Riser Room			
Temperature:	70°F	Dimensions:	Sprinkler Riser Room: 14’6”x12’x15’2”
Relative Humidity:	38%	Flooring Type:	☐Carpeting ☐Wood☐Ceramic/Porcelain ☐Vinyl Tile ☐Sheet Vinyl ☒Slab Concrete ☐Wood Sub-Floor ☐Other
Dew Point:	43°F	Ceiling Type:	☐Drywall ☐Plaster☐Acoustic Texture ☐Ceiling Tile ☐Ceiling Panel ☒Metal Frame ☐Unfinished ☐Other
Wet Bulb:	57°F	Type of HVAC:	☐None ☐Wall Mount ☐Wall Furnace ☒Central Air ☐Swamp Cooler ☐Other
HVAC Supply Register Present? ☒Yes ☐ No			HVAC Intake Register Present? ☐Yes ☒ No
If Yes, ☐Clean ☐Rusting ☒Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth			If Yes, ☐Clean ☐Rusting ☐Light Dust Build Up ☐ Heavy Dust Build Up ☐Mold Growth

Average of PM2.5 Measurements:	Average of PM10 Measurements:	Musty or Mold Like Odor?
9.8	13.8	☒No Odor ☐Slight Odor ☐Strong Odor

Type of Sample Collected:	IICRC S520 Condition:	Are Contents Present?
☐Spore Trap ☐Tape Lift ☐Swab	☒ Condition 1 “Normal Fungal Ecology” ☐ Condition 2 “Settled Spores” ☐ Condition 3 “Active Growth”	☒Yes ☐No

Moisture Intrusion:
☐Active ☐Past ☐Intermittent ☒None Observed

No active moisture intrusion nor signs of past moisture intrusion were detected.

Water Damage:
☐Water Staining ☐Physical Damage/Deterioration ☐Damaged Paint ☐Microbial Growth ☒None Observed

No physical signs of water damage were observed.

Mold Growth:
☐Present ☒None Observed

No physical mold growth was detected.

Conditions Conducive to Mold Growth:

No other conditions conducive to mold growth were identified.

INTERPRETATION OF LABORATORY SAMPLE RESULTS

To assess the presence and potential significance of airborne mold spores within the indoor environment, each interior spore trap sample is evaluated in relation to a corresponding exterior reference sample collected during the same inspection. The exterior sample serves as a localized baseline for naturally occurring outdoor fungal levels.

Interpretation is performed by offsetting interior spore counts against the levels detected outdoors. If a specific mold genus is not detected in the exterior sample, any detection indoors is considered an elevation above the expected baseline. Conversely, if a mold type is present outdoors, only indoor levels that exceed the corresponding exterior concentration are considered elevated and potentially indicative of indoor amplification or contamination.

It is important to note that air sampling provides a general snapshot of conditions at the time of collection, and inherent variation in airborne particulate levels is to be expected. Environmental factors, occupant activity, ventilation conditions, and sampling limitations can all influence results. As such, interpretation is performed with professional judgment and in context with site observations.

To further aid in interpretation, a reference guideline chart adapted from the Air-O-Cell™ Method Guide and The Particle Atlas is included in this report. This chart outlines typical airborne mold and particulate levels observed in indoor environments and serves as a comparative tool to help contextualize results against established national averages. The actual original laboratory report is attached to the back of the report.

Tape lift surface sampling is inherently qualitative and subject to variability. The results, categorized as Scattered Spores, Very Low, Low, Moderate, or High, are influenced by several key factors. These include the degree to which the adhesive is pressed against the surface, the condition of the surface itself—such as whether it is porous, textured, or damp—and the age and condition of the mold. Older growth or disturbed areas may present more fragmented spores or hyphae, which can affect the quantity recovered during sampling. Additionally, only a limited surface area is sampled at a time, which may not reflect broader conditions. Mold distribution can also be uneven, and some surfaces may yield higher concentrations simply due to localized colonization.

As such, results should be interpreted within the context of the visual inspection and other environmental findings. A “High” result does not necessarily equate to a higher health risk, nor does a “Low” result guarantee the absence of concern. These findings should be viewed as part of a comprehensive indoor environmental assessment.

LABORATORY SAMPLE RESULTS

SPORE TRAP RESULTS (AIR SAMPLES)

Sample #1: Lobby
The following mold spore types and hyphal fragments were detected within the Lobby:

*Ascospores (Low Levels), Basidiospores (Low Levels), *Bipolaris/Drechslera* (Low Levels), *Cercospora* (Low Levels), **Cladosporium* (Low Levels), *Curvularia* (Low Levels), **Penicillium/Aspergillus* (Low Levels), *Pithomyces* (Low Levels), & Smuts/Periconia/Myxomycetes (Low Levels)

Sample #2: Shawn's Office
The following mold spore types and hyphal fragments were detected within the Shawn's Office:

*Ascospores (Low Levels), *Basidiospores (Low Levels), **Cladosporium* (Low Levels), *Nigrospora* (Low Levels), *Penicillium/Aspergillus* (Low Levels), Smuts/Periconia/Myxomycetes (Low Levels), & *Torula* (Low Levels)

Sample #3: Matt's Office
The following mold spore types and hyphal fragments were detected within the Matt's Office:

Ascospores (Low Levels), Basidiospores (Low Levels), *Bipolaris/Drechslera* (Low Levels), **Cladosporium* (Low Levels), *Curvularia* (Low Levels), *Nigrospora* (Low Levels), **Penicillium/Aspergillus* (Low Levels), *Pithomyces* (Low Levels), & Smuts/Periconia/Myxomycetes (Low Levels)

Sample #4: Administration Office
The following mold spore types and hyphal fragments were detected within the Administration Office:

Ascospores (Low Levels), Basidiospores (Low Levels), **Cladosporium* (Low Levels), *Penicillium/Aspergillus* (Low Levels), & Smuts/Periconia/Myxomycetes (Low Levels)

Sample #5: Aaron's Office
The following mold spore types and hyphal fragments were detected within the Aaron's Office:

Alternaria (Low Levels), Ascospores (Low Levels), *Basidiospores (Low Levels), **Cladosporium* (Low Levels), **Penicillium/Aspergillus* (Low-Typical Levels), & Smuts/Periconia/Myxomycetes (Low Levels)

Sample #6: Colby's Office
The following mold spore types and hyphal fragments were detected within the Colby's Office:

Alternaria (Low Levels), Ascospores (Low Levels), Basidiospores (Low Levels), **Cladosporium* (Low Levels), & **Penicillium/Aspergillus* (Low Levels)

Sample #7: Jason's Office
The following mold spore types and hyphal fragments were detected within the Jason's Office:

Ascospores (Low Levels), **Penicillium/Aspergillus* (Low Levels), & Smuts/Periconia/Myxomycetes (Low Levels)

Sample #8: Kitchen
The following mold spore types and hyphal fragments were detected within the Kitchen:

Cladosporium (Low Levels), *Curvularia* (Low Levels), *Penicillium/Aspergillus* (Low Levels), & Smuts/Periconia/Myxomycetes (Low Levels)

Sample #9: Eric's Office
The following mold spore types and hyphal fragments were detected within the Eric's Office:

Ascospores (Low Levels), *Cladosporium* (Low Levels), **Penicillium/Aspergillus* (Low Levels), & *Pithomyces* (Low Levels)

Sample #10: Kelly's Office
The following mold spore types and hyphal fragments were detected within the Kelly's Office:

Basidiospores (Low Levels), *Chaetomium* (Low Levels), **Cladosporium* (Low Levels), *Penicillium/Aspergillus* (Low Levels), & Smuts/Periconia/Myxomycetes (Low Levels)

Sample #11: Conference Room
The following mold spore types and hyphal fragments were detected within the Conference Room:

Ascospores (Low Levels), *Bipolaris/Drechslera* (Low Levels), **Cladosporium* (Low Levels), *Fusarium* (Low Levels), *Penicillium/Aspergillus* (Low Levels), *Pithomyces* (Low Levels), & Smuts/Periconia/Myxomycetes (Low Levels)

Sample #12: Front Exterior
Reference sample of the ambient exterior air collected from the property's Front Exterior.

**Denotes samples with airborne mold spore levels adjusted when compared Exterior Reference Sample levels.*

TAPE LIFT RESULTS (SURFACE SAMPLES)

Sample #13: Administration Office (HVAC Ceiling Supply Diffuser)
This surface sample was obtained from the scattered mold growth occurring on the HVAC ceiling supply diffuser within the Administration Office. This sample tested positive for the presence of:

Cladosporium (High) & Hyphal Fragments (Low)

Sample #14: Hallway #2 (Western Wall Wallboard Near Jason's Office)
This surface sample was obtained from the scattered mold growth occurring on the western wall wallboard near Jason's Office within the Hallway #2. This sample tested positive for the presence of:

Stachybotrys (High) & Hyphal Fragments (Moderate)

Sample #15: Women's Restroom (Mold Growth on Removed Ceiling Tile)
This surface sample was obtained from the scattered mold growth occurring on the removed ceiling tile within the Women's Restroom. This sample tested positive for the presence of:

Stachybotrys (High) & Hyphal Fragments (Low)

***Reporting criteria from the laboratory for the surface samples are as follows:**
"Scattered Spores"=1-20 fungal spores detected over the analyzed area.
"Very Low"=21-100 fungal spores detected over the analyzed area.
"Low"=101-1,000 fungal spores detected over the analyzed area.
"Moderate"= 1,001-10,000 fungal spores detected over the analyzed area.
"High"= >10,00 fungal spores detected over the analyzed area.

REFERENCE GUIDELINE CHARTS FOR AIRBORNE MOLD AND DUST IN INDOOR AIR SAMPLES

Low	Concentration Range found in the average "clean" building.
Low - Typical	Concentration Range Found in the average building.
Low - Moderate	Concentration range found in buildings with infrequent cleaning or high occupancy.
Moderate	Concentration range found in buildings with possible generating sources, infrequent cleaning, and/or inadequate ventilation.
High	Concentration range found in buildings with indoor generating sources and/or significant infiltration.

Classification Guidelines – Average Residential and Commercial Buildings (Concentration/m^3)

Concentration Level:	Total Spores	Aspergillus/ Penicillium	Chronic Water Indicating	Outdoor Fungi	Hyphae Fragments
Low	<500	<500	<50	<200	<100
Low-Typical	>500	>500	>50	>200	>100
Low-Moderate	<1,000	>750	>100	>500	>500
Moderate	>5,000	>1,500	>200	>1,000	>1,000
High	>10,000	>5,000	>500	>5,000	>2,000

Typical Indoor Mold & Fungi Spore Concentration Ranges (Total)

Description	Classification	Surface cts/mm^2	Airborne cts/m^3
Inside Air "Clean" HVAC Supplied Buildings	Low	<0.1	<500
Inside Air "typical" Residential	Low - Typical	0.1 - 1.0	500 - 1,000
Moderate Dust/ High Settled Spores	Low - Moderate	1.0 – 10.0	1,000 – 5,000
Mold Growth Possible	Moderate	10 - 50	5,000 – 20,000
Mold Growth Significant	High	>50	>20,000

PM2.5 & PM10 Health Parameter Reference Guide

PM2.5 Ranges	PM10 Ranges	Levels of Concern
0.0-12.0	0-54	Good
12.1-35.4	55-154	Moderate
35.5-55.4	155-254	Unhealthy for Sensitive Groups
55.5-150.5	255-354	Unhealthy
150.5-250.4	355-424	Very Unhealthy
≥250.5	≥425	Hazardous

PM2.5 refers to atmospheric particulate matter (PM) which has a diameter less than 2.5 microns in diameter and is generally comprised of but not limited to combustion particles, organic compounds, metals, etc. PM10 refers to atmospheric particulate greater than 10 microns in diameter and is generally comprised of but not limited to dust, pollen, rusts, dander, mold spores, etc.

Referenced From: Baxter, Dan. Air-O-Cell Method Guide & Particle Atlas, San Diego, Environmental Analysis Associates, 2013

SUMMARY OF FINDINGS

A review of the laboratory data collected from throughout the office suite, combined with field observations, indicates the presence of an abnormal indoor fungal ecology attributable to both historical water intrusion and contamination within portions of the HVAC distribution system. Airborne spore trap samples collected throughout the occupied areas demonstrated total spore concentrations that, while generally falling within low to moderate ranges when compared to the exterior reference sample, displayed a consistently disproportionate dominance of *Penicillium/Aspergillus*-type spores. This skewed indoor profile stands in contrast to the outdoor sample, which reflected a more typical ecological balance of *Cladosporium*, *Penicillium/Aspergillus*, *Alternaria*, basidiospores, ascospores, and other vegetation-associated taxa. The recurring dominance of *Penicillium/Aspergillus* across numerous offices, often comprising more than half of the total spores detected, strongly suggests an ongoing or recently active indoor amplification source rather than simple infiltration of outdoor air.

This assessment is further reinforced by the detection of *Chaetomium*, a well-established water-damage indicator mold, as well as elevated hyphal fragment counts documented across several indoor locations. Hyphal fragments are typically associated with proximity to actively growing or recently disturbed fungal reservoirs, providing additional evidence that the indoor environment has been impacted by established mold growth as opposed to transient airborne activity. These laboratory findings correlate directly with the physical conditions documented during inspection, including widespread mold growth on the majority of the HVAC ceiling supply diffusers, visible colonization within accessible portions of the flex duct interiors, and scattered mold growth and water staining on ceiling materials located beneath areas affected by both historical and intermittently active roof leaks. Such conditions are consistent with multiple contaminated materials qualifying as Condition 3 under the IICRC S520, with the surrounding office spaces functioning as Condition 2 environments impacted by particulate dissemination from these sources.

In addition to these water-intrusion impacts, a building wide pattern of bowed ceiling tiles & panels was observed, consistent with prolonged exposure to elevated humidity levels over an extended period of time. This physical distortion is a strong indicator that, independent of roof leak events, the interior environment had previously been subjected to excessive moisture loading capable of contributing to fungal amplification on susceptible surfaces. Personnel on site reported that the humidity-related issues had been addressed prior to the assessment, and direct measurements obtained during the inspection confirmed that interior relative humidity levels were within the acceptable preferred range. Nonetheless, the condition of the ceiling tiles provides tangible evidence that the building experienced sustained periods of elevated humidity in the past, which likely contributed to the mold colonization noted on various HVAC components and ceiling materials.

Surface sampling results further substantiate these observations. Tape lift samples collected from a supply diffuser, a section of Hallway wallboard, and a mold-affected restroom ceiling tile each confirmed the presence of genuine fungal growth exhibiting abundant hyphal structures as opposed to inactive staining or residual deposited spores. The semi-quantitative mass loading results, which ranged from low to moderate, confirm that the observed growth was established and capable of contributing to airborne particle burden within the adjacent occupied spaces.

Taken collectively, the air and surface sample data, along with the documented environmental and physical building conditions, demonstrate that the office suite has been materially affected by water-damaged building materials, prior episodes of elevated humidity, and compromised HVAC components. Although overall airborne concentrations do not uniformly exceed outdoor levels, the altered indoor fungal profile, detection of water-damage indicator organisms, evidence of past humidity elevation, and elevated hyphal fragment counts provide conclusive evidence of multiple indoor amplification sources. These findings warrant corrective action, including the remediation or replacement of affected HVAC diffusers and duct sections, restoration or removal of water-damaged ceiling and wallboard materials, and comprehensive cleaning of impacted areas to return the building to a normal fungal ecology in accordance with professional standards. Due to physical mold growth being detected, remediation by a qualified mold remediation contractor is highly recommended. See *Remediation Protocols* below for recommendations on addressing the aforementioned mold issues.

CONDITIONS AND LIMITATIONS

Air sampling results are a representation of conditions at the time samples are taken. Changes in operating procedures, ventilation, temperature, occupancy, procedures, equipment, sources, products used, and other conditions may cause variations in anticipated airborne concentrations. This report has been prepared for and is intended for the exclusive use of Pioneer Environmental and its customers/clients. The contents of this report should not be relied upon by any other party without the express written consent of Pioneer Environmental. Pioneer Environmental does not warrant, guarantee, or certify the accuracy or completeness of work performed by others, or the absence of environmental risks, either expressed or implied. At Pioneer Environmental it is our goal to provide information and scientific data concerning the environmental conditions present in the buildings we inspect. However, due to the limitations of the physical inspection process, Pioneer Environmental cannot report, or accept responsibility for, materials or conditions that may exist in areas that were inaccessible or obscured by personal property at the time of its inspection. This survey cannot guarantee or warrantee the absence of hidden microbial growth without extensive destructive testing. The scope executed for this project did not include any inquiry with respect to the presence of asbestos, lead based paint, and the presence of radon or other naturally occurring materials. In performing this site assessment Pioneer Environmental has abided by the ethics and standards established by The International Association of Certified Indoor Air Consultants. Our findings and conclusions must be considered probabilities based upon professional judgment concerning the significance of the limited data gathered during the course of the investigation. Pioneer Environmental has performed the tasks set forth above in a thorough and professional manner consistent with industry standards. Pioneer Environmental cannot and does not warrant that this microbial assessment has revealed all adverse environmental health conditions affecting the site, nor can Pioneer Environmental warrant that the assessment requested would satisfy the dictates of, or provide legal defense in connection with, environmental laws or regulation. The results and opinions set forth in this report will be valid as of the date of the report. Pioneer Environmental assumes no obligation to advise you of any changes that may be later brought to our attention.

Inspected by:

Matthew A. Massey

IAC2 Certified Mold Inspector
NAMRI Certified Mold Inspector
PHII Certified Residential Mold Inspector
IAC2 Indoor Air Quality Inspector
InterNACHI Building Inspector #18081520

REMEDIATION PROTOCOLS

LOCATION:	
Hallway #2 (near Jason's Office)	
ANSI/IICRC S520 Condition: ☐ **Condition 1** "Normal Fungal Ecology" ☒ **Condition 2** "Settled Spores" ☒ **Condition 3** "Active Growth"	
Recommended Containment Type(s):	**Other General Containment Recommendations:**
☒ Source Containment ☐ Local Containment ☐ Full Scale Containment	• Utilization of a HEPA AFDs in "Scrubber Mode' to establish a capture zone to limit dispersal of airborne particulates caused by the physical remediation efforts.

Materials to be Remediated/Decontaminated:

Hallway #2 Remediation Protocol

(Developed in accordance with IICRC S520 and standard building-material remediation practices)

Physical water damage in the form of water staining and scattered mold growth was identified on the upper quarter of the western Hallway wall near the doorway to Jason's Office. Approximately one square foot of scattered mold growth was present across a deteriorated tape seam, with water staining extending above and below the visibly affected area. This distribution indicates vertical moisture migration from past moisture intrusion originating at the ceiling. Additional cracked and slightly deteriorated wallboard was identified above the doorway to the women's restroom. Although no visible mold growth was present there, the wallboard has been structurally compromised by past moisture intrusion, creating the potential for concealed mold growth within the wall cavity. The following protocol outlines the procedures necessary to restore these areas to a normal fungal ecology.

1. Work Area Preparation and Containment
Establish localized source containment around the immediate work areas using plastic sheeting, glove-bag methods, or small containment tents. Shut down HVAC airflow to the area and protect nearby equipment with poly sheeting. A HEPA-filtered negative air machine to control direction air flow is not required but may be used for added precaution.

2. Removal and Disposal of Mold-Affected Wallboard Near Jason's Office Doorway
Remove wallboard from floor to ceiling in the impacted hallway section. This includes the one-square-foot area of scattered mold growth and all stained sections above and below it (Estimated 40-50 sq. ft.). Lower wallboard directly into sealed disposal bags. Inspect the exposed wall cavity for staining, microbial growth, compromised insulation, or debris. Clean or remove materials as appropriate.

3. Removal and Disposal of Water-Damaged Wallboard Above Women's Restroom Doorway

Remove the cracked and deteriorated wallboard above the restroom doorway. Even without visible mold, removal is necessary due to past moisture exposure and the possibility of concealed microbial growth (Estimated 12-16 sq. ft.). Place removed material directly into sealed disposal bags. Inspect the newly exposed cavity for hidden staining or contamination and clean as needed.

4. Cleaning and Decontamination of Exposed Wall Cavities

HEPA vacuum all exposed framing members, drywall edges, and cavity surfaces to remove dust and spores. Damp wipe cavity surfaces using a mild detergent solution appropriate for building materials. Ensure all surfaces are dry and visibly clean prior to clearance.

5. Environmental Cleaning of the Hallway Work Area

HEPA vacuum all horizontal and vertical surfaces in the hallway, including floors, baseboards, and doorframes. Damp wipe all surfaces to remove residual particulate. Perform a secondary HEPA vacuum pass before PRV.

6. Post-Remediation Verification (PRV)

A qualified Indoor Environmental Professional (IEP) shall perform PRV once remediation and cleaning are complete. PRV shall include visual inspection and air or surface sampling at the IEP's discretion. Reconstruction may begin only after PRV clearance is obtained.

LOCATION:
The Utility Closet (with Water Heater)
ANSI/IICRC S520 Condition: ☐ **Condition 1** "Normal Fungal Ecology" ☒ **Condition 2** "Settled Spores" ☒ **Condition 3** "Active Growth"

Recommended Containment Type(s):	Other General Containment Recommendations:
☒ Source Containment ☐ Local Containment ☐ Full Scale Containment	• Utilization of a HEPA AFDs in "Scrubber Mode' to establish a capture zone to limit dispersal of airborne particulates caused by the physical remediation efforts.

Materials to be Remediated/Decontaminated:

<u>Utility Closet Mold Remediation Protocol</u>

(Developed in accordance with IICRC S520 and standard building-material remediation practices)

Scattered mold growth resulting from past moisture intrusion was identified within the Utility Closet near the janitorial sink. Affected materials included approximately one square foot of wallboard on the lower eastern wall where vinyl cove base had been removed, less than one square foot of scattered mold growth on a loose ceiling tile placed between the ice machine and the western wall, and scattered mold growth on the PVC plumbing drain lines associated with the ice machine. Water staining without visible mold growth was also noted on the wooden components of the elevated water heater stand. Due to the limited surface area, the isolated nature of the contamination, and the absence of active moisture intrusion, remediation may be conducted using source containment rather than full negative-pressure containment. This approach aligns with IICRC S520 guidance for localized Condition 3 material removal and is appropriate given the low disturbance potential and confined workspace.

<u>1. Work Area Preparation and Source Containment</u>
Establish localized source containment around the immediate work areas using plastic sheeting, glove-bag methods, or small containment tents. Shut down HVAC airflow to the area and protect nearby equipment with poly sheeting. A HEPA-filtered negative air machine to control direction air flow is not required but may be used for added precaution.

<u>2. Removal and Disposal of Mold-Affected Materials</u>
Wallboard (Lower Eastern Wall): Remove the mold affected wallboard section using source containment, placing it directly into disposal bags. All affected wallboard shall be removed a minimum of two full feet beyond any visible mold growth. Inspect the exposed cavity for staining or microbial growth and clean as required. (Estimated 4-6 sq. ft.)
Ceiling Tile: Remove and discard the loose ceiling tile exhibiting less than one square foot of scattered mold growth (1-Panel 2'x4'). Inspect the plenum area for additional staining or particulate.

<u>3. Cleaning and Decontamination of Non-Disposable Components</u>

PVC Drain Lines: HEPA vacuum all PVC drain-line surfaces, wet clean with a detergent solution, and wipe with clean water. Allow components to dry fully.
Wooden Water Heater Stand: HEPA vacuum and damp wipe wooden surfaces. Inspect for structural deterioration and repair as needed.

4. Cleaning and Decontamination of Surrounding Surfaces
HEPA vacuum all horizontal and vertical surfaces within the utility closet, including floors, walls, shelving, and plumbing supports. Damp wipe all surfaces with a detergent solution. Perform a secondary HEPA vacuum pass before PRV.

5. Moisture Source Verification
Inspect the janitorial sink plumbing, ice machine drain lines, and adjacent fixtures to confirm no active leaks or condensation issues remain.

6. Post-Remediation Verification (PRV)
A qualified Indoor Environmental Professional (IEP) shall conduct PRV to confirm the removal of mold-affected materials and the cleanliness of exposed surfaces. Air or surface sampling may be performed as needed. Replacement finishes may be installed only after PRV clearance is achieved.

LOCATION	
Throughout the Interior Offices	
ANSI/IICRC S520 Condition: ☐ **Condition 1** "Normal Fungal Ecology" ☒ **Condition 2** "Settled Spores" ☒ **Condition 3** "Active Growth"	
Recommended Containment Type(s):	**Other General Containment Recommendations:**
☒ Source Containment ☐ Local Containment ☐ Full Scale Containment	• Utilization of a HEPA AFDs in "Scrubber Mode' to establish a capture zone to limit dispersal of airborne particulates caused by the physical remediation efforts.
Materials to be Remediated/Decontaminated:	

Carpeting Remediation and Replacement Protocol

(Developed in accordance with IICRC S520, IICRC S500, and professional flooring restoration practices)

The carpeting throughout several office spaces has been impacted by historical moisture intrusion, water staining, and prolonged exposure to elevated levels of airborne mold spores generated from microbial growth within the HVAC distribution system and from water-damaged ceiling tiles associated with past and intermittent roof leaks. Although no fungal colonization was identified on the carpeting itself, the carpeting and underlying padding (if present) have become contaminated with settled spores and fine particulate matter and therefore require removal and replacement to facilitate full building remediation. The following protocol outlines the procedures necessary to address contaminated carpeting and restore affected office spaces to a normal fungal ecology.

1. Work Area Preparation and Containment
Establish source control measures consistent with IICRC S520, including implementation of HEPA AFDs operating in scrubber mode in both smaller rooms and for large open office spaces. Shut down HVAC systems serving the work area and install HEPA-filtered negative air units to maintain directional airflow where appropriate. Protect adjacent non-impacted flooring and furnishings with poly sheeting or remove items as needed.

2. Pre-Removal HEPA Cleaning of Carpeted Surfaces
HEPA vacuum all carpeting prior to removal to reduce surface particulate loading. Perform multiple slow passes across all areas, including edges and corners, and locations near HVAC diffusers or beneath formerly water-stained ceiling tiles (Approximately 3,370 sq. ft.).

3. Removal and Disposal of Contaminated Carpeting and Padding (if present)
Remove carpeting in sections to reduce disturbance. Roll sections inward, bag or wrap in 6-mil poly, and seal. Remove underlying padding and any deteriorated fasteners or tack strips. Dispose of materials following contaminated debris handling procedures (Approximately 3,370 sq. ft.).

4. Cleaning and Decontamination of Subfloor Surfaces

HEPA vacuum exposed subfloor surfaces, then damp wipe or wet clean using a suitable detergent. Treat areas with staining or scattered microbial growth per IICRC S520 guidelines. Evaluate any degraded subfloor components for repair or replacement.

5. Final Environmental Cleaning of the Work Area
Conduct full HEPA vacuuming and damp wiping of all horizontal and vertical surfaces within the work zone. Perform a secondary HEPA pass to ensure complete removal of particulate prior to PRV.

6. Post-Remediation Verification (PRV)
A qualified Indoor Environmental Professional (IEP) shall conduct PRV, including a visual inspection and air or surface sampling to confirm a return to normal fungal ecology. Replacement flooring shall not be installed until PRV clearance is achieved.

7. Installation of Replacement Flooring
Following Post Remediation Verification, install new carpeting or alternative flooring materials in accordance with manufacturer's recommendations. Ensure subfloor moisture levels are appropriate prior to installation and use adhesives compliant with indoor air quality standards.

Ceiling System and Lighting Assembly Remediation Protocol

(Developed in accordance with IICRC S520, IICRC S500, and standard building material remediation practices)

A comprehensive remediation procedure is required to address water-damaged ceiling tiles, mold-affected ceiling panels, contaminated suspended-ceiling framing, and lighting valances impacted by fungal growth or prolonged moisture exposure. The following protocol outlines the steps necessary to restore the ceiling assembly to a normal fungal ecology and ensure electrical safety. **Once the removal of the stained and mold affected ceiling tiles has been performed it is recommended that the all remaining ceiling tiles/panels throughout the building which displayed bowing due to past exposure to prolonged elevation in humidity be removed and replaced.*

1. Work Area Preparation and Containment
Establish source control measures consistent with IICRC S520, including implementation of HEPA AFDs operating in scrubber mode in both smaller rooms and for large open office spaces. Shut down HVAC systems serving the work area and install HEPA-filtered negative air units to maintain directional airflow where appropriate. Protect adjacent non-impacted flooring and furnishings with poly sheeting or remove items as needed. Protect all non-impacted contents with poly sheeting or remove them from the work zone.

2. Removal and Disposal of Water-Damaged or Mold-Affected Ceiling Tiles and Panels
Remove and discard all ceiling tiles exhibiting water staining, distortion, bowing, or visible mold growth. Tiles with heavy settled particulate, especially near impacted HVAC diffusers or lighting valances, shall also be removed. Lower tiles directly into waste containers or bag immediately to minimize particulate release. Dispose of all contaminated materials following standard procedures (Approximately 36-40 ceiling panels, 2'x4' each)

3. Cleaning and Decontamination of Metal Suspended-Ceiling Framing
Following tile removal, decontaminate all exposed metal ceiling grid components including T-bars, runners, cross-tees, and perimeter moldings. HEPA vacuum all surfaces to remove particulate, followed by wet cleaning with a non-corrosive antimicrobial detergent or appropriate building-surface cleaner. Conduct a secondary wipe to remove any residue. Components showing corrosion or structural deterioration shall be evaluated for replacement.

4. Removal and Disposal of Mold-Affected or Moisture-Compromised Lighting Fixtures
Remove and dispose of any lighting fixture exhibiting mold growth, water damage, corrosion, or prolonged moisture exposure. De-energize electrical circuits before removal and ensure handling by a qualified professional. Because internal components cannot be fully remediated and may pose safety risks, all affected units must be discarded. Seal fixtures in lined containers prior to disposal (Approximately 5 lighting fixtures, 2'x4' each). Replacement fixtures shall not be installed until remediation and PRV clearance are complete.

5. Cleaning of Adjacent Surfaces and Structural Elements
After removal of tiles and lighting valances, HEPA vacuum and damp wipe all exposed structural surfaces, including ceiling decks, hangers, fasteners, penetrations, and adjoining mechanical components. Clean any mold-affected surfaces in accordance with IICRC S520 procedures for semi-porous and non-porous materials.

6. Final HEPA Cleaning of the Work Area
Carry out full HEPA vacuuming and damp wiping of ceiling-level, mid-level, and floor-level surfaces. Perform a secondary HEPA vacuum pass to ensure removal of all remaining particulate. The workspace must be visually clean and free of debris before proceeding to PRV.

7. Post-Remediation Verification (PRV)
A qualified Indoor Environmental Professional (IEP) shall conduct PRV once all removal and cleaning is complete. PRV shall include a visual inspection of ceiling cavities, grid systems, and former lighting fixture locations, along with air or surface sampling as needed. Replacement ceiling tiles and lighting fixtures may only be installed after PRV confirms the area has returned to a normal fungal ecology.

LOCATION:	
HVAC System Remediation Protocol	
ANSI/IICRC S520 Condition: ☐ **Condition 1** "Normal Fungal Ecology" ☒ **Condition 2** "Settled Spores" ☒ **Condition 3** "Active Growth"	
Recommended Containment Type(s):	**Other General Containment Recommendations:**
☒ Source Containment ☐ Local Containment ☐ Full Scale Containment	• Utilization of a HEPA AFDs in "Scrubber Mode' to establish a capture zone to limit dispersal of airborne particulates caused by the physical removal of the ceiling tiles/panels.
Materials to be Remediated/Decontaminated:	

<u>HVAC System and Ceiling Assembly Remediation Protocol</u>

(Developed in accordance with NADCA ACR, IICRC S520, and established HVAC hygiene practices)

A comprehensive remediation program is required to address the mold-impacted HVAC supply diffusers, contaminated flex ducting, and accumulated particulate within the metal ductwork. The following protocol outlines the required procedures to restore the system to a condition consistent with NADCA ACR industry standards and a normal fungal ecology as defined within IICRC S520.

<u>1. Work Area Preparation and Containment</u>
Establish engineering controls consistent with IICRC S520, including source control at diffuser locations, isolation of work zones through critical barriers and negative pressure where required, and shutdown of the HVAC system prior to intrusive work. Install localized HEPA-filtered negative air units and protect non-impacted contents with poly sheeting or relocate them outside the work zone.

<u>2. Removal and Replacement of Contaminated Flex Ducting</u>
All flex ducting running from the main supply trunk to individual offices shall be removed and discarded, as NADCA ACR does not permit effective internal cleaning of flexible duct materials once colonizing fungal growth is present. Flex duct sections shall be detached carefully, sealed, and disposed of. Replacement ducting shall meet UL-181 standards and be installed only after system cleaning is completed.

<u>3. Cleaning and Decontamination of HVAC Supply Diffusers</u>
All supply diffusers shall be removed under source containment, HEPA vacuumed, wet cleaned with an HVAC-approved detergent, rinsed, and dried. Diffusers exhibiting corrosion or persistent staining shall be replaced.

<u>4. NADCA-Standard Negative Pressure Duct Cleaning of All Metal Ductwork</u>
A NADCA-certified ASCS technician shall perform duct cleaning using high-capacity negative pressure equipment attached to the main trunks. Mechanical agitation (brushes, whips, robotics) shall be used to remove particulate from all metal duct sections,

including trunks, branch lines, return pathways, and plenums. Interior duct liners exhibiting colonization or deterioration shall be replaced.

5. Furnace, Air Handling Unit, and System Component Evaluation
A NADCA-certified technician or HVAC professional shall assess blower assemblies, coils, drain pans, insulation, and the air handler interior. Components with fungal growth or deterioration shall be HEPA vacuumed, cleaned, sanitized, or replaced as necessary. The system shall not be reactivated until all cleaning and PRV procedures are complete.

6. Cleaning and Decontamination of Ceiling System Components
Metal ceiling grid systems shall be HEPA vacuumed and wet cleaned due to settled dust and scattered mold growth surrounding impacted diffusers. All ceiling tiles displaying mold growth or heavy settled particulate shall be removed and discarded. Replacement tiles shall not be installed until HVAC remediation and environmental cleaning are complete.

7. Final HEPA Cleaning of Work Areas
All work zones shall undergo full HEPA vacuuming, damp wiping, and a second HEPA pass on all surfaces, including ceilings, floors, walls, furniture, and exposed structural elements, ensuring the space is visibly free of dust and residue.

8. Post-Remediation Verification (PRV)
A qualified IEP shall perform PRV following completion of all remediation work. PRV shall include visual inspection, air sampling, and surface sampling where appropriate. The HVAC system shall remain offline until PRV clearance is obtained and the building is confirmed to have returned to a normal fungal ecology.

GENERAL CONTAINMENT REQUIREMENTS

- Containments barriers shall be utilized to separate Condition 1 areas from Condition 2 & 3 areas in a manner which mitigates the potential for cross contamination and exposing workers and occupants to contamination. Any floors, walls, or ceilings which require a polyethylene barrier shall be cleaned prior to being covered and sealed for protection from contamination during physical remediation activities.
- Containments shall all consist of at least one layer of 6-mil fire retardant polyethylene sheeting.
- All 6-mil fire retardant polyethylene sheeting containment walls shall extend to the full height of the ceiling where utilized.
- All critical barriers, supply registers, and return registers within the containment area shall be sealed in 6-mil polyethylene sheeting in order to prevent any potential contamination.
- The affected containment areas shall be maintained under negative pressure (recommended 4 air changes per hour minimum) with High Efficiency Particulate Air (HEPA) filtered fans exhausted outside of the building until a passing Post Remediation Verification has been achieved. If exhaust outdoors is not possible then two HEPA units (or more) can be used in series and exhausted to adjacent space.
- All contents shall be removed for disposal or decontamination from the affected area(s) prior to the commencement of any physical remediation activities.
- If a decontamination chamber is to be used, an appropriate entry and exit must be attached to the containment as a transitional space between work areas and unaffected areas of the building. Tack mats may be placed immediately outside the entrance of the decontamination chamber to limit contaminants from being tracked into unaffected areas after removing disposable protective clothing.
- Containment flaps shall be installed to provide a neutral pressure zone or to control make up air passing through the decontamination chamber if a chamber is utilized.

SIGNAGE

- Post warning signs that mold remediation is in progress.
- Restrict access to the work area(s)
- Post signs conspicuously at entrances to work area in areas of potential entry.

GENERAL REMEDIATION REQUIREMENTS

- All materials shall be removed a minimum of 2 feet beyond any visual mold growth and/or water damage in all directions.
- Mold affected materials must be double bagged and sealed in disposable 6-mil polyethylene bags while inside containment before removal.
- Source control measures to limit the aerosolization of dust and mold spores shall be utilized to maintain a work area that is as dust free as is practical. This consists of using a HEPA vacuum cleaner and bagging debris immediately upon removal. Contaminated materials can be removed carefully with a razor knife or utility knife rather than tearing them to pieces to avoid generating dust or bioaerosols. The use of a hammer, crowbar, or electric saw without a dust collection device in not recommended.
- Contaminated building materials shall be removed in as large a section as practical and bagged and wrapped, preferably in 6 mil polyethylene for removal and disposal.
- Any water damaged/mold affected insulation shall be carefully bagged in place within a disposable 6 mil polyethylene bag for disposal.

- Any mold affected wooden members shall be HEPA vacuumed followed by damp wiping, wire brushing, sanding, or other appropriate method, while using HEPA vacuuming or performing removal within the capture zone of an AFD, along with other appropriate controls.
- If any mold affected materials are to pass through a Condition 1 area, then they should be sealed in a secondary bag (double bagged) prior to passing through a Condition 1 space to prevent potential cross contamination. Mold contaminated materials such as building framing, casement, tubs, cabinets, showers, doors, and appliances may not require bagging or wrapping if removal can be accomplished by direct access to an outside secure disposal location and handling such materials does not pose a cross contamination source during removal.
- Any remaining screws, nails, or small debris should be discarded. If any sharp items which may be capable of puncturing the polyethylene material are present, then they should be packaged in such a way as to prevent them from penetrating the bag or sheeting.
- All remaining building and containment surfaces shall be cleaned via HEPA vacuuming followed by damp wiping. Minimal water should be used during the damp wiping process to avoid wetting building materials which could potentially result in water damage or new mold growth.
- Negative pressure shall be maintained until Post Remediation Verification sampling results have been reviewed and accepted as passing.
- Following the removal of all affected materials within containment, all surfaces should be HEPA vacuumed, and damp wiped with water and detergent solution, then HEPA vacuumed a final time.
- Following completion of the HEPA vacuuming and damp-wipe down, the containment should remain erected and undisturbed for a minimum of 24 hours prior to conducting Post Remediation Verification sampling within the space.

DISPOSAL OF CONTAMINATED MATERIALS

- Bagged or wrapped materials shall be handled carefully, and should not be dropped, thrown, or handled roughly while being moved to the disposal container or site.
- Bagged or wrapped materials shall be placed in reasonably secure location or transport vehicle after removing them from the building.
- If bagged or wrapped disposal materials are ruptured outside of the containment, but inside of the building, then secure the area from public access, initiate clean-up (HEPA-vacuuming), and contain the debris.
- It is recommended that descriptive warning labels be placed on bags and wrapped materials which describe the contents to discourage individuals from opening or removing them from the disposal site. Label language should be factual, not overstated or unnecessarily alarming and dumpsters with contaminated debris shall be kept reasonably secure.

CLEAN-UP PROCEDURES

- Once physical demolition of the mold affected surfaces has been completed then the containment area(s) shall be cleaned adequately to remove all visible dust and debris. A thorough cleaning consists of combining HEPA-vacuuming with damp wiping so that minimum moisture remains on the surfaces.
- Cleaning procedures inside of the containment should start from clean areas and work toward dirty areas.
- Cleaning procedures inside of the containment should also start from the source of the make-up air toward the air filtration device.
- Cleaning shall be performed from the top to the bottom of the affected areas
- The cleaning process shall be repeated as many times as necessary to achieve a Condition 1 “Normal Fungal Ecology” state.

- All dust that may have settled outside of the work area shall be cleaned by HEPA vacuuming followed by damp wiping.

CONTAINMENT EXIT PROTOCOLS

- After bagging or wrapping, demolition debris should be moved to the exit chamber or near the entry/exit to the containment area prior to its removal from the work site.
- The outside of all bagged and wrapped materials shall be HEPA vacuumed and damp wiped, and thereafter placed into a second bag or wrapping and sealed prior to being removed from the containment area.
- All tools and equipment being removed from the containment area shall be wiped and placed in clean sealed bags for detailed cleaning off site using appropriate precautions.
- HEPA vacuum cleaners, air filtration devices, and negative air machines shall be HEPA vacuumed and damp wiped prior to being removed from the containment area.
- The intakes to all air filtration devices and negative air machines shall be sealed prior to turning off the equipment to prevent potential backflushing of filtered contaminants.

REQUIREMENTS PRIOR TO POST REMEDIATION SAMPLING AND VERIFICATION

- The identified source of the moisture fostering the mold growth shall be effectively remediated prior to the evaluation. If plumbing leaks or other obvious means of moisture intrusion can be inferred from the visual inspection, sampling will not be conducted.
- Air scrubbing in the work areas shall have been performed for at least 24 hours prior to Post Remediation Verification Testing.
- All work areas shall be free of dust, visible mold, water/mold damaged materials, or odors indicative of mold growth.
- Surfaces (such as floor slab, wall studs, and floor & ceiling joists) where remediation occurred shall not be concealed by polyethylene sheeting.
- Work area containments shall remain in place under negative pressure until a passing Post Remediation Verification has been achieved and the workspace has been returned to a Condition 1 “Normal Fungal Ecology” state.
- New construction materials shall not be in the work area and no areas shall be rebuilt (other than essentially structurally unsound building materials) until after successful Post Remediation Verification has been achieved.
- A third-party IEP (Indoor Environmental Professional) shall perform a Post Remediation Verification following the completion of the physical remediation activities and confirm that the work areas are mold free and collect air samples to ensure that no significant elevation of airborne mold spores remains.

POST-REMEDIATION VERIFICATION SAMPLING

- Air samples will be collected within the work areas. Testing will consist of spore trap sampling using Allergenco-D cassettes.
- AFD’s used to achieve negative pressure shall remain off during spore trap air sampling. AFD’s used in “scrubber mode” shall remain on during spore trap air sampling unless otherwise specified by the remediation contractor.
- The airborne spore concentrations reported from the samples collected within the remediation areas will be compared to air sample(s) collected outdoors “Reference Sample(s)”.
- The samples will be compared, and the clearance will be deemed acceptable if, for each sample:

- The total concentration of airborne spores inside the work areas does not exceed the greater of the concentration of spores in the building's makeup air or 2,000 spores/m^3; and
- The concentration of each individual genus of spores inside the work areas does not exceed the greater of the concentration of each genus in the building's makeup air or 650 spores/m^3; and
- At the sole option of the IEP (Indoor Environmental Professional), the presence of a single spore (raw) count on any sample may, or may not, be considered significant and cause a sample to "fail" the Post Remediation Verification.

- The contractor shall perform additional cleaning if, in the opinion of the IEP, based upon visual observations or testing results, previous cleaning operations were determined to be inadequate or have been re-contaminated from subsequent Contractor cleaning or renovation operations.

DISMANTLING OF THE WORK AREA

- Following completion of the cleanup activities, dismantle all plastic sheeting barriers and decontamination unit. If applicable dismantle the construction barrier.
- Dispose of debris from cleanup operation, used cleaning materials, unsalvageable materials used for sturdy barriers, and any other remaining materials.

PPE (PERSONAL PROTECTIVE EQUIPMENT) REQUIREMENTS:

Respiratory protection for this project will be OSHA-Rated HEPA filtered respirators. All personnel will be required to wear proper protective clothing, which will include hooded Tyvek suits, non-vented goggles, gloves. and boots.

CONTENTS REMEDIATION RECOMMENDATIONS

CONTAMINATED CONTENTS DECISION CHART						
Contents Services	**Porous**	**Semi-porous**	**Nonporous**	**Irreplaceable Porous**	**Irreplaceable Semi-porous**	**Irreplaceable Nonporous**
Condition 3 (Affected by Physical Mold Growth)	Dispose	Dispose	Restore	Preserve w/ Risk Assignment	Preserve w/ Risk Assignment	Restore
Condition 2 (Affected by Settled Mold Spores)	Restore	Restore	Restore	Restore	Restore	Restore

It is highly recommended that all interested parties participate in the decision about whether to restore or dispose of contents. Recommendations supplied by the above chart may be beneficial in making these decisions.

IICRC S520 Definitions:

Porous: Organic materials that quickly absorb water and provide an excellent food source for molds (e.g., clothing and other textiles, padded or upholstered items, leather, taxidermy, paper goods, etc..).

Semi-Porous: Organic materials that absorb water slowly, but still provide a possible food source for molds (unfinished wood, masonry, etc.)

Non-Porous: Organic materials, which have been altered to not absorb moisture easily; inorganic or synthetic materials, which do not absorb significant amounts of moisture and/or do not provide a food source for molds (e.g. finished wood, glass, metal, plastic, etc.).

BASIC PROCEDURES FOR ALL TYPES OF MOLD-CONTAMINATED CONTENTS:

Each item that is affected with mold growth will require a specific and unique procedure for successful remediation based on its surface type. In some cases, due to the nature of the item with mold damage, remediation may not be possible, and the item will have to be discarded. All contents shall be evaluated by surface type and designated as: porous (those that have tiny gaps or holes completely through them, such as cloth or paper), semi-porous (those that have some holes but are not completely permeable), and non-porous (those that have no gaps in the surface). Hard objects that allow air to circulate through them, such as computers, or objects with many contours, such as carvings, are treated as semi-porous items. All non-porous items should be decontaminated and returned to the owner. Since it is often easiest to dispose of porous and semi-porous items, the owner should be consulted to identify items of high intrinsic value, such as art, historical documents, or photographs that should be cleaned rather than discarded. This type of cost/benefit analysis should be conducted with the owner after the initial inspection has been conducted. All porous or semi-porous items the visible mold growth should be disposed of unless their value justifies specialized cleaning techniques, such as freeze-drying, use of an ozone chamber, or solvent washes. For paper items, it may be more cost effective to make copies of the contaminated items and discard the originals.

BASIC CLEANING PROCEDURES:

Non-Porous Items Contaminated with Mold

1. Vacuum all surfaces using a HEPA vacuum.
2. Wipe all surfaces with an EPA certified disinfectant.
3. Vacuum all surfaces again using a HEPA vacuum.

Cleaning Appliances Contaminated with Mold

1. Vacuum all surfaces using a HEPA vacuum.
2. Blow compressed air through fan exhaust.
3. Thoroughly clean the appliance using a mild detergent.
4. Wipe all surfaces with a disinfectant solution.
5. Vacuum all surfaces again using a HEPA vacuum.

Cleaning Bedding Contaminated with Mold

1. HEPA vacuum all bedding, mattresses, box springs, pillows, etc.
2. Sheets, blankets, duvets, etc. should be laundered as per label instructions.
3. Pillows and stuffed animals should be laundered if possible.
4. Clean mattresses and box springs via hot water extraction and speed dry using air movers.
5. Apply Microban X-590 (or similar product) to mattresses and box springs and allow to air dry
6. HEPA vacuum mattresses, box springs, and all non-launderable items.

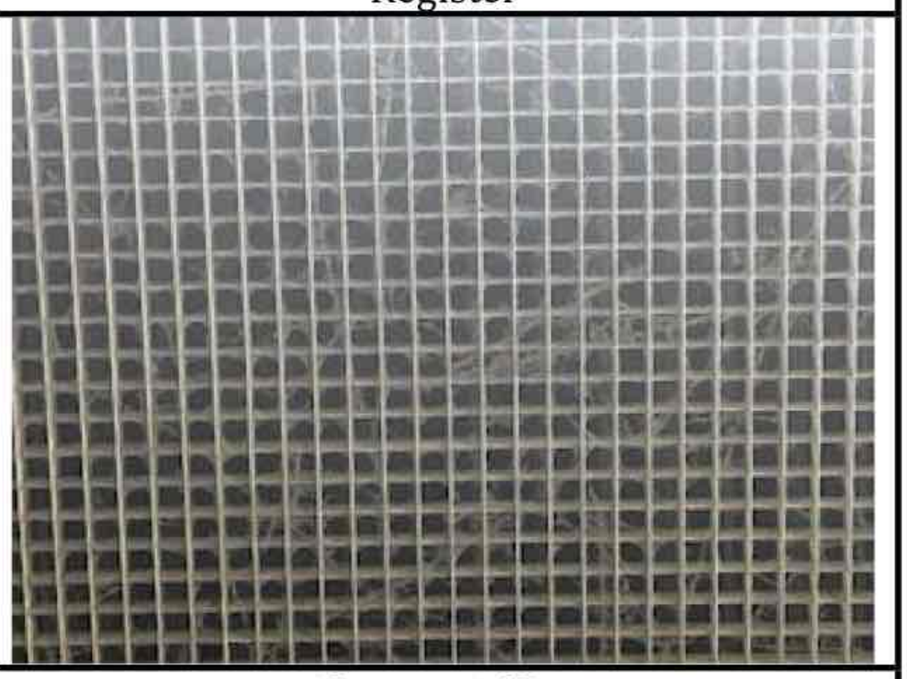
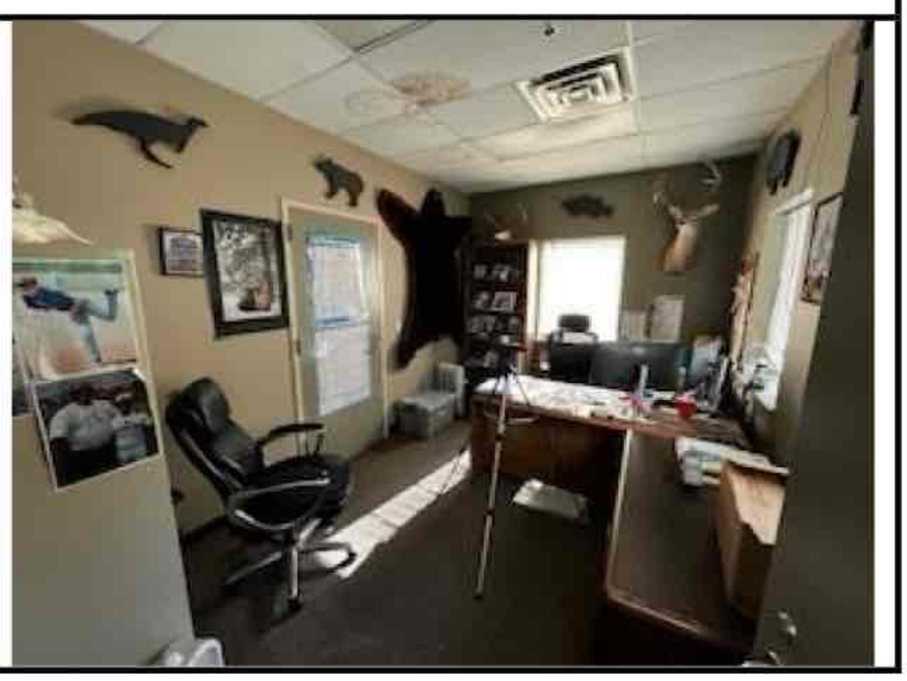
Cleaning Clothing and Fabric Contaminated with Mold

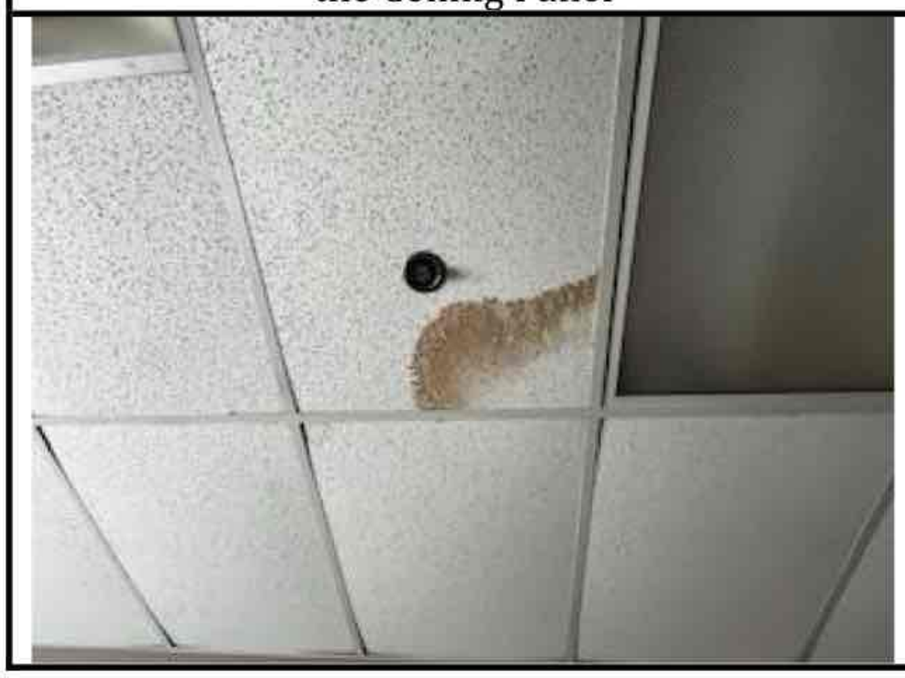
1. All machine washable clothing should be vacuumed with a HEPA vacuum, and then laundered.
2. All dry-clean-only clothing should be either hand washed or replaced. Dry cleaning is not an effective remedy to remove mold.
3. Area rugs should be HEPA vacuumed and cleaned either via hot water extraction or immersion cleaning.

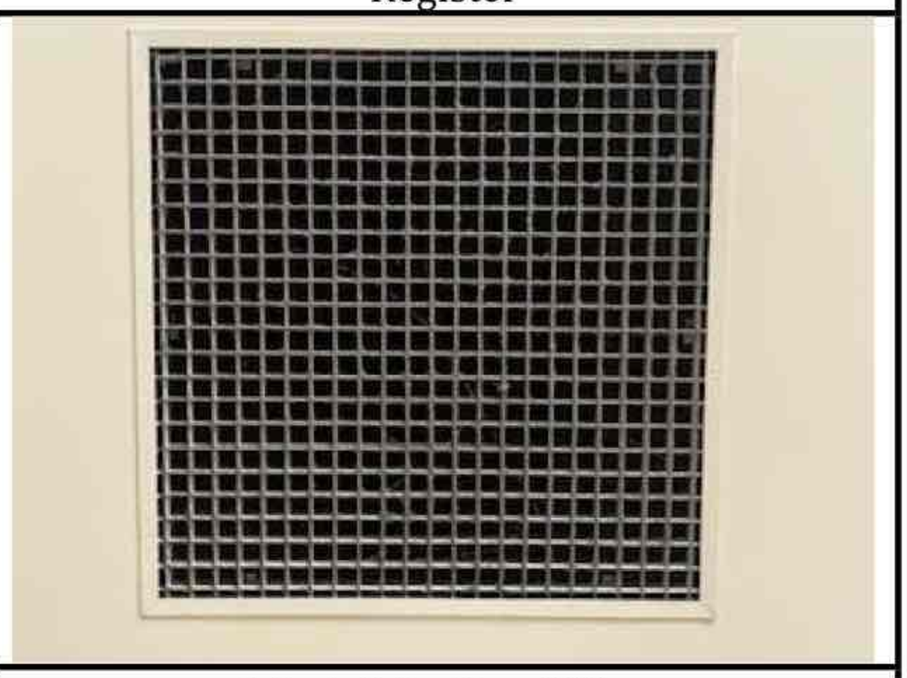
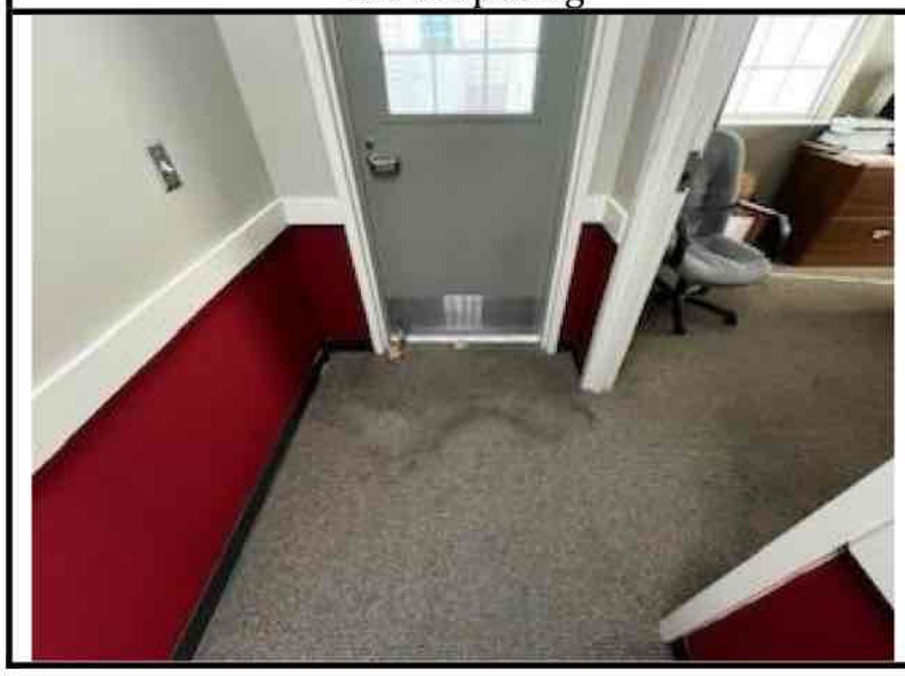
Cleaning Electronics Contaminated with Mold

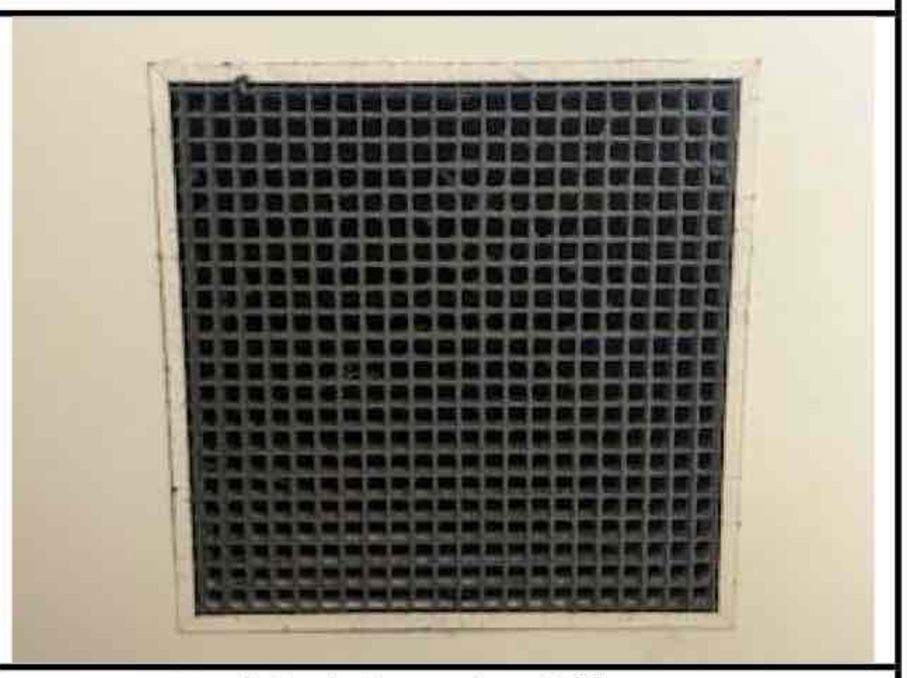
1. HEPA vacuum all surfaces.
2. Blow compressed air through fan exhaust and throughout the unit.
3. Clean with Unsmoke Degrease-All E (or similar product).
4. Wipe with a disinfectant.
5. HEPA vacuum all surfaces.

PHOTOGRAPHS

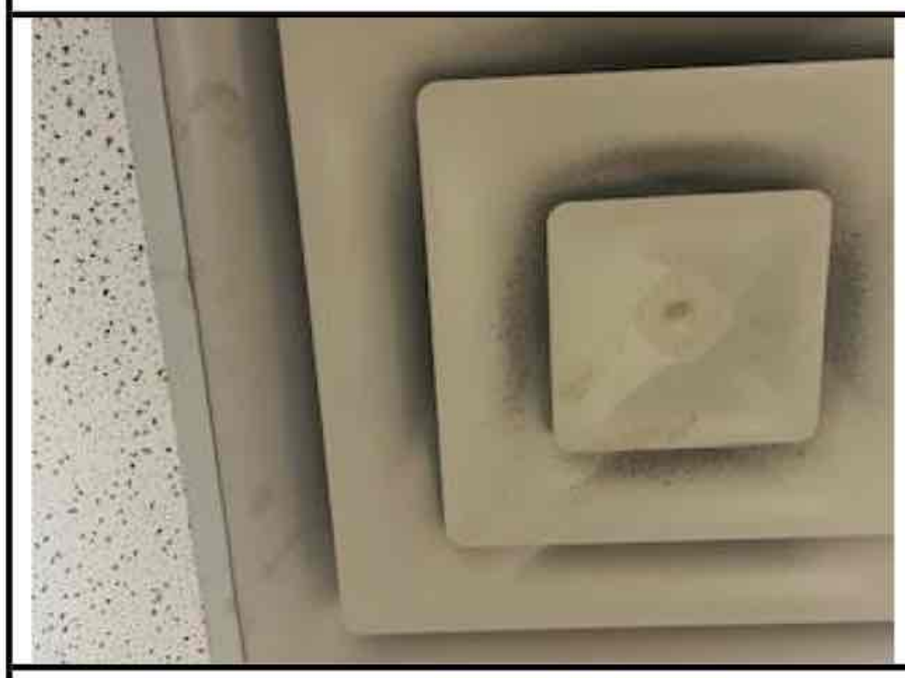
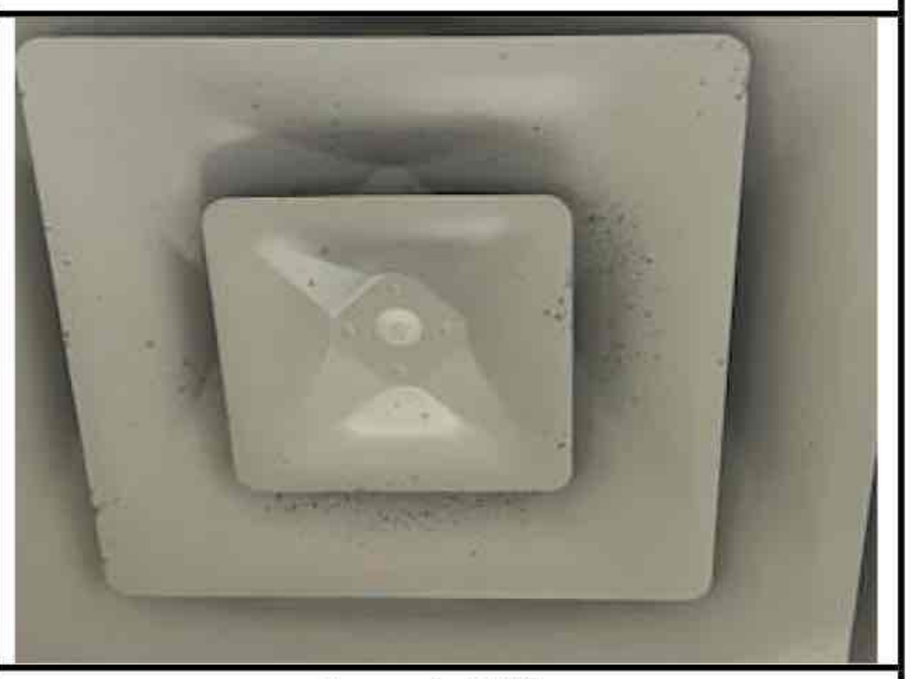
Lobby Office (Location of Air Sample #1)	**Lobby Office** Scattered Mold Growth on the HVAC Ceiling Supply Diffuser, Framing, and Lighting Fixture
	
Lobby Office Scattered Mold Growth on the HVAC Ceiling Supply Diffuser	**Lobby Office** Accumulated Particulate Build Up on the Return Register
	
Lobby Office Water Staining from Past Moisture Intrusion on the Carpeting	**Shawns Office** (Location of Air Sample #2)
	

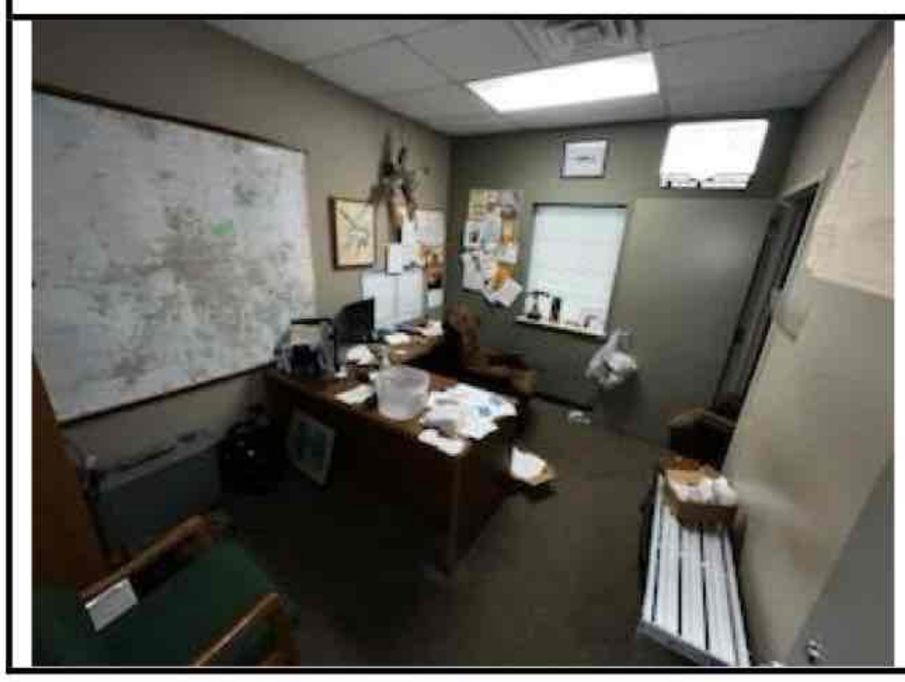
Shawns Office Water Staining and Scattered Mold Growth on the Ceiling Panels	**Shawns Office** Scattered Mold Growth on the HVAC Ceiling Supply Diffuser
	
Hallway #1 Water Staining from Past Moisture Intrusion on the Carpeting	**Tate's Office**
	
Tate's Office Water Staining from Past Moisture Intrusion on the Ceiling Panel	**Tate's Office** Scattered Mold Growth on the HVAC Ceiling Supply Diffuser
	

Matt's Office (Location of Air Sample #3)	**Matt's Office** Water Staining from Past Moisture Intrusion on the Ceiling Panel
	
Matt's Office Scattered Mold Growth on the HVAC Ceiling Supply Diffuser	**Matt's Office** Accumulated Particulate Build Up on the Return Register
	
Hallway #1 Water Staining from Past Moisture Intrusion on the Carpeting	**Administration Office** (Location of Air Sample #4)
	

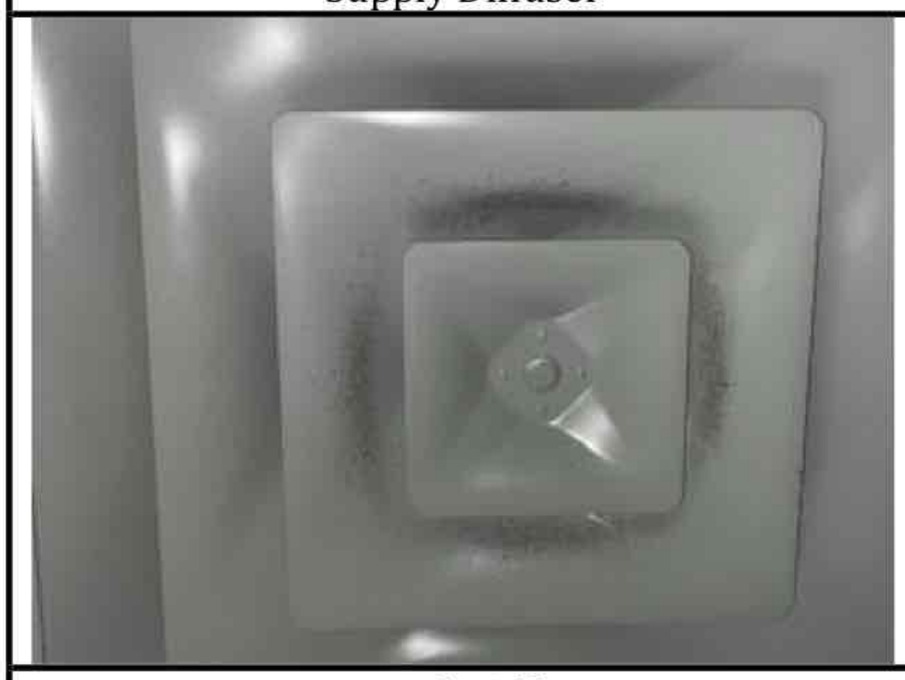
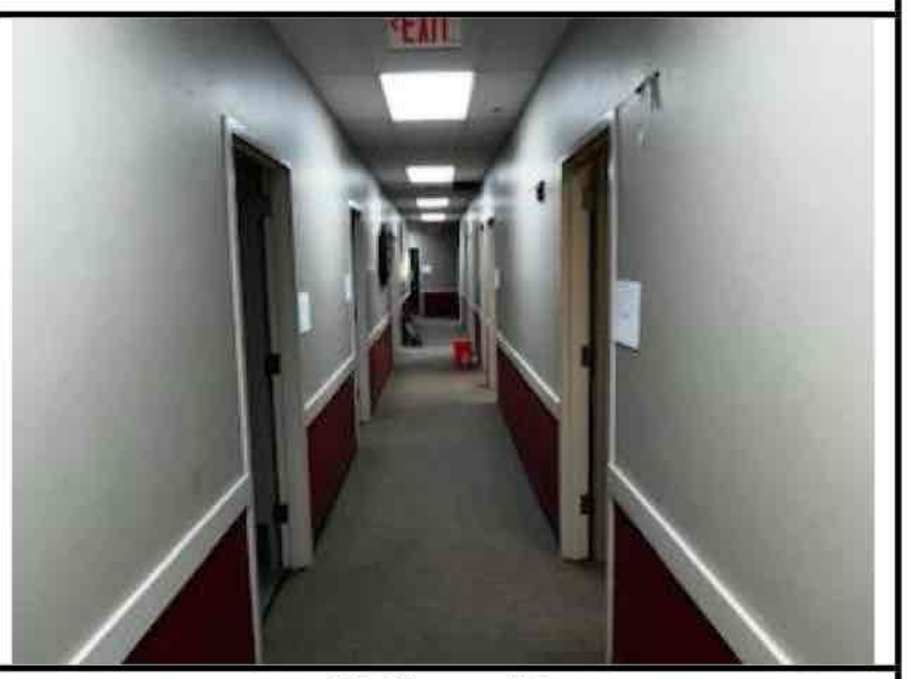
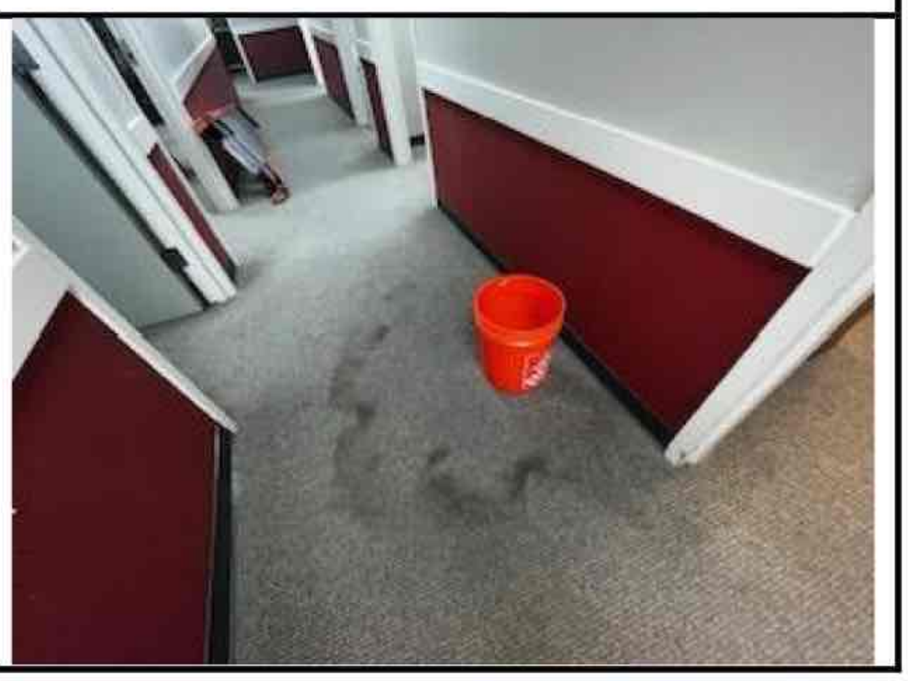
Administration Office Scattered Mold Growth on the HVAC Ceiling Supply Diffuser, Framing, and Ceiling Panels (Location of Surface Sample #13)	**Administration Office** Accumulated Particulate Build Up on the Return Register
	
Administration Office Scattered Mold Growth on the HVAC Ceiling Supply Diffuser and Water Staining on the Ceiling Panels	**Administration Office** Scattered Mold Growth on the HVAC Ceiling Supply Diffuser, Framing, and Ceiling Panels
	
Utility Closet	**Utility Closet** Water Staining and Scattered Mold Growth on the Lower Eastern Wall Wallboard
	

Utility Closet Scattered Mold Growth on the Lower Eastern Wall Wallboard	**Men's Restroom**
	
Women's Restroom	**Women's Restroom** Scattered Mold Growth on the Removed Ceiling Panels (Location of Surface Sample #15)
	
Conference Room (Location of Air Sample #11)	**Conference Room** Scattered Mold Growth on the HVAC Ceiling Supply Diffuser and Water Staining on the Panels
	

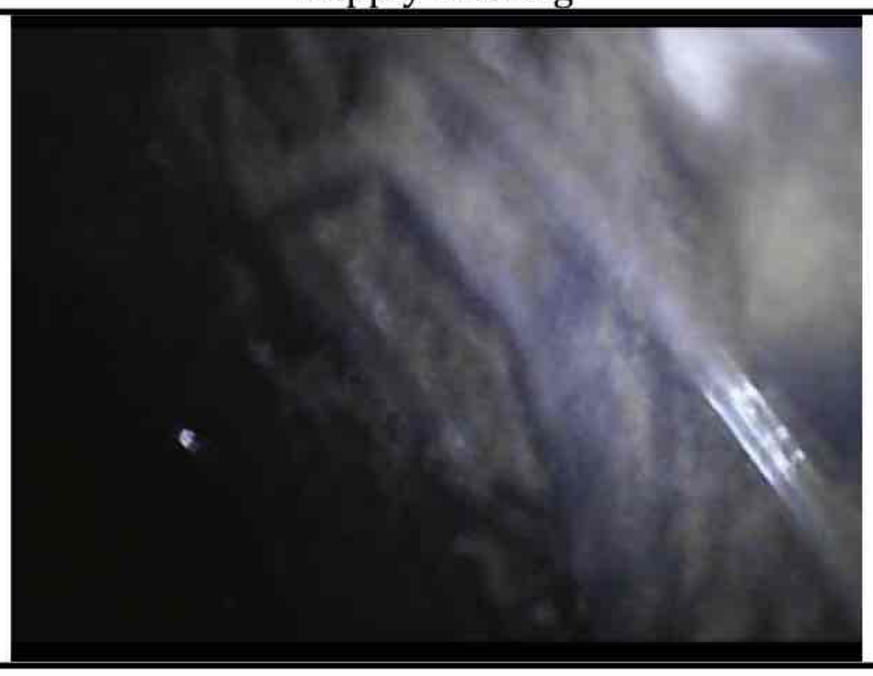
<u>Conference Room</u> Scattered Mold Growth on the HVAC Ceiling Supply Diffuser	**<u>Conference Room</u>** Water Staining on the Panels
	
<u>Kelly's Office</u> (Location of Air Sample #10)	**<u>Kelly's Office</u>** Scattered Mold Growth on the HVAC Ceiling Supply Diffuser, Framing, and Ceiling Panels
	
<u>Aaron's Office</u> (Location of Air Sample #5)	**<u>Aaron's Office</u>** Scattered Mold Growth on the HVAC Ceiling Supply Diffuser
	

Aaron's Office Scattered Mold Growth on the Ceiling Panels and Framing	**Colby's Office** (Location of Air Sample #6)
	
Colby's Office Scattered Mold Growth on the HVAC Ceiling Supply Diffuser & Framing	**Colby's Office** Water Staining from Past Moisture Intrusion on the Ceiling Panel
	
Eric's Office (Location of Air Sample #9)	**Eric's Office** Scattered Mold Growth on the HVAC Ceiling Supply Diffuser
	

Eric's Office Water Staining from Past Moisture Intrusion on the Carpeting	**Eric's Office** Scattered Mold Growth on the Eastern End of the Northern Wall
	
Kitchen (Location of Air Sample #8)	**Kitchen** Rusting From Past Moisturee Intrusion on the Lower Portion of the Door Framing
	
Kitchen Scattered Mold Growth From Past Moisture Intrusion on the Lower Eastern Wall Beside the Refridgerator	**Kitchen** Water Staining From Past Moisture Intrusion on the Ceiling Panel and Lighting Fixture
	

Kitchen Scattered Mold Growth on the HVAC Ceiling Supply Diffuser	**Jason's Office** (Location of Air Sample #7)
	
Jason's Office Scattered Mold Growth on the HVAC Ceiling Supply Diffuser	**Hallway #2**
	
Hallway #2 Scattered Mold Growth on the Western Wall Wallboard Near the Door to Jason's Office (Location of Surface Sample #14)	**Hallway #2** Water Staining from Past Moisture Intrusion on the Carpeting
	

Hallway #2 Water Staining from Past Moisture Intrusion on the Ceiling Panel	**Hallway #2** Water Staining from Past Moisture Intrusion on the Ceiling Panels
	
Sprinkler Riser Room	**Plenum Space Above the Offices**
	
Plenum Space Above the Offices	**Administration Office** Scattered Surface Mold Growth Within the Supply Ducting
	

Jason's Office Scattered Surface Mold Growth Within the Supply Ducting	**Front Western Exterior** (Location of Air Sample #12)
	

SEEML Reference Number:
H-251209005

Southeast Environmental Microbiology Laboratories

410 W Grand Pkwy S, Suite 250
Katy, TX. 77494
Phone: 832-437-2667

The information and data for **Pioneer Environmental** has been checked for thoroughness and accuracy. The following reports are contained within this document:

- ☑ Surface/Bulk Report
- ☑ Spore Trap Report
- ☐ Andersen Fungal Report
- ☐ Quantitative Fungal Report

Lab Manager Review : *Magzoub Ismail* Date : 12-09-2025

Thank you for using SEEML laboratories. We strive to provide superior quality and service. SEEML laboratories are accredited through AIHA LAP, LLC (EMLAP #232339) for the analysis of Spore Traps and Surface/Bulk Samples and licensed by the Texas Department of Licensing and Regulation (LAB1016).

The data within this report is reliable to three significant figures. The third significant figure is technically unjustified. In this instance, the third figure is reported as an estimate to facilitate the interpretation by the customer.

Confidentiality Notice:
The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of the document(s) is strictly prohibited. If you have received this document in error, please immediately notify us by telephone to arrange for its return. Thank you.

Guidelines for Interpretation:
No accepted quantitative regulatory standards currently exist by which to assess the health risks related to mold and bacterial exposure. Molds and bacteria have been associated with a variety of health effects and sensitivity varies from person to person.
Several organizations, including: the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC), as well as the California Department of Health Services (CADHS), have all published guidelines for assessment and interpretation of mold resulting from water intrusion in buildings.

Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork.

Spore Trap Report

Pioneer Environmental	Date Sampled: 12/08/2025
3817 NE 141st Cir.	Date Received: 12/09/2025
Edmond, OK, 73013	Date Analyzed: 12/09/2025
405-463-3463	Date Reported: 12/09/2025
	Date Revised:
	Project Name: 300 Aquarium Dr.
	Project Number:
	Project Address: 300 Aquarium Dr.
	Project City, State, ZIP: -
TEST METHOD: DIRECT MICROSCOPY EXAMINATION SEEML SOP 7	SEEML Reference # : H-251209005

Client Sample ID	1			2			3		
Location	Lobby			Shawn's Office			Matt's Office		
Lab Sample ID	H-251209005-019			H-251209005-020			H-251209005-021		
Detection Limit (spores/m^3)	13			13			13		
Hyphal Fragments	12	160		8	107		11	147	
Pollen				1	13				
Spore Trap Used	Allergenco			Allergenco			Allergenco		
	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%
Alternaria (=Ulocladium)									
Ascospores	24	320	19	20	267	25	4	53	4
Basidiospores	8	107	6	16	213	20	8	107	9
Bipolaris/Drechslera	1	13	1				2	27	2
Cercospora	1	13	1						
Chaetomium									
Cladosporium	32	427	26	24	320	30	36	480	38
Colorless/Other Brown*									
Curvularia	1	13	1				1	13	1
Epicoccum									
Fusarium									
Memnoniella									
Nigrospora				1	13	1	1	13	1
Oidium									
Penicillium/Aspergillus	48	640	39	12	160	15	40	533	43
Pithomyces	1	13	1				1	13	1
Polythrincium									
Pyricularia									
Rusts	1	13	1						
Smuts/Periconia/Myxomy	7	93	6	6	80	8	1	13	1
Spegazzinia									
Stachybotrys									
Tetraploa									
Torula				1	13	1			
Zygomycetes									
Background debris (1-5)**	4			3			3		
Sample Volume(liters)	75			75			75		
TOTAL SPORES/M^3	124	**1652**		80	**1066**		94	**1252**	

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3. The limit of detection is the analytical sensitivity (in spores/m^3) multiplied by the sample volume (in liters) divided by 1000 liters.

*Colorless,other Brown are spores without a distinctive morphology on spore traps and non-viable surface samples.

**Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 = very light, 2= Light, 3 = Medium, 4 = Heavy, 5 = Very Heavy. The higher the rating the more likelihood spores may be underestimated. A rating of 5 should be interpreted as minimal counts and may actually be higher than reported.

***Ulocladium has been recognized by the International Mycological Association to be equal to Alternaria and so they are reported as one.

Disclaimer: The sample results are determined by the sample volume, which is provided by the customer.

This report relates only to the samples tested as they were received.

Respectfully submitted, SEEML

410 W Grand Pkwy S, Suite 250
Katy, TX. 77494
Phone: 832-437-2667

Magzoub Ismail

Magzoub Ismail, Approved Laboratory Signatory

Spore Trap Report

Pioneer Environmental	Date Sampled: 12/08/2025
3817 NE 141st Cir.	Date Received: 12/09/2025
Edmond, OK, 73013	Date Analyzed: 12/09/2025
405-463-3463	Date Reported: 12/09/2025
	Date Revised:
	Project Name: 300 Aquarium Dr.
	Project Number:
	Project Address: 300 Aquarium Dr.
	Project City, State, ZIP: -
TEST METHOD: DIRECT MICROSCOPY EXAMINATION SEEML SOP 7	SEEML Reference # : H-251209005

Client Sample ID	4			5			6		
Location	Administration Office			Aaron's Office			Colby's Office		
Lab Sample ID	H-251209005-022			H-251209005-023			H-251209005-024		
Detection Limit (spores/m^3)	13			13			13		
Hyphal Fragments	4	53		3	40		4	53	
Pollen									
Spore Trap Used	Allergenco			Allergenco			Allergenco		
	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%
Alternaria (=Ulocladium)				1	13	1	1	13	1
Ascospores	8	107	11	4	53	3	4	53	3
Basidiospores	4	53	6	20	267	13	12	160	10
Bipolaris/Drechslera									
Cercospora									
Chaetomium									
Cladosporium	28	373	40	40	533	26	32	427	27
Colorless/Other Brown*									
Curvularia									
Epicoccum									
Fusarium									
Memnoniella									
Nigrospora									
Oidium									
Penicillium/Aspergillus	24	320	34	88	1173	57	68	907	58
Pithomyces									
Polythrincium									
Pyricularia									
Rusts									
Smuts/Periconia/Myxomy	6	80	9	2	27	1			
Spegazzinia									
Stachybotrys									
Tetraploa									
Torula									
Zygomycetes									
Background debris (1-5)**	3			3			3		
Sample Volume(liters)	75			75			75		
TOTAL SPORES/M^3	70	**933**		155	**2066**		117	**1560**	

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3. The limit of detection is the analytical sensitivity (in spores/m^3) multiplied by the sample volume (in liters) divided by 1000 liters.

*Colorless,other Brown are spores without a distinctive morphology on spore traps and non-viable surface samples.

**Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 = very light, 2= Light, 3 = Medium, 4 = Heavy, 5 = Very Heavy. The higher the rating the more likelihood spores may be underestimated. A rating of 5 should be interpreted as minimal counts and may actually be higher than reported.

***Ulocladium has been recognized by the International Mycological Association to be equal to Alternaria and so they are reported as one.

Disclaimer: The sample results are determined by the sample volume, which is provided by the customer.

This report relates only to the samples tested as they were received.

Respectfully submitted, SEEML

410 W Grand Pkwy S, Suite 250
Katy, TX. 77494
Phone: 832-437-2667

Magzoub Ismail

Magzoub Ismail, Approved Laboratory Signatory

Spore Trap Report

Pioneer Environmental	Date Sampled: 12/08/2025
3817 NE 141st Cir.	Date Received: 12/09/2025
Edmond, OK, 73013	Date Analyzed: 12/09/2025
405-463-3463	Date Reported: 12/09/2025
	Date Revised:
	Project Name: 300 Aquarium Dr.
	Project Number:
	Project Address: 300 Aquarium Dr.
	Project City, State, ZIP: -
TEST METHOD: DIRECT MICROSCOPY EXAMINATION SEEML SOP 7	SEEML Reference # : H-251209005

Client Sample ID	7			8			9		
Location	Jason's Office			Kitchen			Eric's Office		
Lab Sample ID	H-251209005-025			H-251209005-026			H-251209005-027		
Detection Limit (spores/m^3)	13			13			13		
Hyphal Fragments	1	13		2	27		7	93	
Pollen									
Spore Trap Used	Allergenco			Allergenco			Allergenco		
	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%
Alternaria (=Ulocladium)									
Ascospores	4	53	6				4	53	7
Basidiospores									
Bipolaris/Drechslera									
Cercospora									
Chaetomium									
Cladosporium				4	53	15	12	160	21
Colorless/Other Brown*									
Curvularia				2	27	7			
Epicoccum									
Fusarium									
Memnoniella									
Nigrospora									
Oidium									
Penicillium/Aspergillus	64	853	90	20	267	74	40	533	69
Pithomyces							2	27	3
Polythrincium									
Pyricularia									
Rusts	1	13	1						
Smuts/Periconia/Myxomy	2	27	3	1	13	4			
Spegazzinia									
Stachybotrys									
Tetraploa									
Torula									
Zygomycetes									
Background debris (1-5)**	3			3			3		
Sample Volume(liters)	75			75			75		
TOTAL SPORES/M^3	71	**946**		27	**360**		58	**773**	

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3. The limit of detection is the analytical sensitivity (in spores/m^3) multiplied by the sample volume (in liters) divided by 1000 liters.

*Colorless,other Brown are spores without a distinctive morphology on spore traps and non-viable surface samples.

**Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 = very light, 2= Light, 3 = Medium, 4 = Heavy, 5 = Very Heavy. The higher the rating the more likelihood spores may be underestimated. A rating of 5 should be interpreted as minimal counts and may actually be higher than reported.

***Ulocladium has been recognized by the International Mycological Association to be equal to Alternaria and so they are reported as one.

Disclaimer: The sample results are determined by the sample volume, which is provided by the customer.

This report relates only to the samples tested as they were received.

Respectfully submitted, SEEML

410 W Grand Pkwy S, Suite 250
Katy, TX. 77494
Phone: 832-437-2667

Magzoub Ismail

Magzoub Ismail, Approved Laboratory Signatory

Spore Trap Report

Pioneer Environmental	Date Sampled: 12/08/2025
3817 NE 141st Cir.	Date Received: 12/09/2025
Edmond, OK, 73013	Date Analyzed: 12/09/2025
405-463-3463	Date Reported: 12/09/2025
	Date Revised:
	Project Name: 300 Aquarium Dr.
	Project Number:
	Project Address: 300 Aquarium Dr.
	Project City, State, ZIP: -
TEST METHOD: DIRECT MICROSCOPY EXAMINATION SEEML SOP 7	SEEML Reference # : H-251209005

Client Sample ID	10			11			12		
Location	Kelly's Office			Conference Room			Front Exterior		
Lab Sample ID	H-251209005-028			H-251209005-029			H-251209005-030		
Detection Limit (spores/m^3)	13			13			13		
Hyphal Fragments	3	40		3	40		14	187	
Pollen				1	13				
Spore Trap Used	Allergenco			Allergenco			Allergenco		
	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%	raw ct.	spores/m^3	%
Alternaria (=Ulocladium)							2	27	2
Ascospores				12	160	17	12	160	12
Basidiospores	4	53	9				12	160	12
Bipolaris/Drechslera				1	13	1	1	13	1
Cercospora									
Chaetomium	1	13	2						
Cladosporium	20	267	43	16	213	22	36	480	35
Colorless/Other Brown*									
Curvularia									
Epicoccum							1	13	1
Fusarium				1	13	1			
Memnoniella									
Nigrospora							1	13	1
Oidium									
Penicillium/Aspergillus	20	267	43	36	480	50	36	480	35
Pithomyces				1	13	1			
Polythrincium									
Pyricularia									
Rusts									
Smuts/Periconia/Myxomy	1	13	2	5	67	7	3	40	3
Spegazzinia									
Stachybotrys									
Tetraploa									
Torula									
Zygomycetes									
Background debris (1-5)**	3			3			3		
Sample Volume(liters)	75			75			75		
TOTAL SPORES/M^3	46	**613**		72	**959**		104	**1386**	

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3. The limit of detection is the analytical sensitivity (in spores/m^3) multiplied by the sample volume (in liters) divided by 1000 liters.

*Colorless,other Brown are spores without a distinctive morphology on spore traps and non-viable surface samples.

**Background debris is the amount of particulate matter present on the slide and is graded from 1-5 with 1 = very light, 2= Light, 3 = Medium, 4 = Heavy, 5 = Very Heavy. The higher the rating the more likelihood spores may be underestimated. A rating of 5 should be interpreted as minimal counts and may actually be higher than reported.

***Ulocladium has been recognized by the International Mycological Association to be equal to Alternaria and so they are reported as one.

Disclaimer: The sample results are determined by the sample volume, which is provided by the customer.

This report relates only to the samples tested as they were received.

Respectfully submitted, SEEML

410 W Grand Pkwy S, Suite 250
Katy, TX. 77494
Phone: 832-437-2667

Magzoub Ismail

Magzoub Ismail, Approved Laboratory Signatory

Surface and Bulk Sample Report

Pioneer Environmental	Date Sampled: 12/08/2025
3817 NE 141st Cir.	Date Received: 12/09/2025
Edmond, OK, 73013	Date Analyzed: 12/09/2025
405-463-3463	Date Reported: 12/09/2025
	Date Revised:
	Project Name: 300 Aquarium Dr.
	Project Number:
	Project Address: 300 Aquarium Dr.
	Project City, State ZIP: -
TEST METHOD: Direct Microscopic Examination (SEEML SOP 18)	SEEML Reference #: H-251209005

Client Sample ID	13	14	15	
Location	Administration Office (HVAC Ceiling Supply Diffuser)	Hallway #2 (Western Wall Wallboard Near Jason's Office)	Women's Restroom (Mold Growth on Removed Ceiling Tile)	
SEEML Sample ID	H-251209005-031	H-251209005-032	H-251209005-033	
Sample Type	Tape	Tape	Tape	
	Quantification*	Quantification*	Quantification*	
Hyphal Fragments	**L**	**M**	**L**	
Pollen				
General Impressions **	**FG**	**FG**	**FG**	
Miscellaneous Spores				
Fungal Growth:				
Acremonium				
Alternaria (=Ulocladium)				
Ascospores				
Basidiospores				
Bipolaris/Drechslera				
Cercospora				
Chaetomium				
Cladosporium	**H**			
Curvularia				
Epicoccum				
Fusarium				
Geotrichum sp.				
Memnoniella				
Myxomycetes				
Nigrospora				
Penicillium/Aspergillus				
Pithomyces				
Rusts				
Stachybotrys		**H**	**H**	
Torula				
Trichoderma				
Revisions:				

**** General Impressions: NFG = No Fungal Growth, FG = Fungal Growth, MFG = Minimal Fungal Growth Or Growth in vicinity**

Ulocladium has been recognized by the International Mycological Association to be equal to Alternaria and so they are reported as one.

Quantification of fungal growth is done by semi-quantitative grading using the following ranges:

Scattered Spores = 1-20 fungal spores

VL = 21-100 fungal spores **L = 101-1,000 fungal spores** **M = 1,001-10,000 fungal spores** **H = >10,000 fungal spores**

ND = No Fungal Spores Detected

Disclaimer: This report relates only to the samples tested as received.

Respectfully submitted, SEEML

Magzoub Ismail, **Approved Laboratory Signatory**

410 W Grand Pkwy S, Suite 250
Katy, TX. 77494
Phone: (832) 437-2667

AIHA LAP, LLC EMLAP #232339

Texas Lic: LAB1016

Form 46.0 Rev 5 02/03/22

Fungal Descriptions

Alternaria sp.

Aw - 0.89. Conidia dimensions: 18-83 x 7-18 microns. A very common allergen with an IgE mediated response. It is often found in carpets, textiles and on horizontal surfaces in building interiors. Often found on window frames. Outdoors it may be isolated from samples of soil, seeds and plants. It is commonly found in outdoor samples. The large spore size, 20 - 200 microns in length and 7 - 18 microns in sizes, suggests that the spores from these fungi will be deposited in the nose, mouth and upper respiratory tract. It may be related to bakers' asthma. It has been associated with hypersensitivity pneumonitis.

The species *Alternaria alternata* can produce tenuazonic acid and other toxic metabolites that may be associated with disease in humans or animals. Common cause of extrinsic asthma (immediate-type hypersensitivity: type I). Acute symptoms include edema and bronchospasms; chronic cases may develop pulmonary emphysema.

Ascospore

A spore borne in a special cell called an ascus. Spores of this type are reported to be allergenic. All ascomycetes, members of a group of fungi called Ascomycotina, have this type of spore. The minute black dots on rotting wood and leaves or the little cups on lichens are examples of ascomycetes; another is the "truffle" mushroom.

Aspergillus/Penicillium

These are two of the most commonly found allergenic fungi in problem buildings. *Aspergillus* comes in many varieties (species). Many of the varieties produce toxic substances. It may be associated with symptoms such as sinusitis, allergic bronchopulmonary aspergillosis, and other allergic symptoms. *Penicillium* is a variety of mold that is very common indoors and is found in increased numbers in problem buildings. It also has many varieties, some of which produce toxic substances. The symptoms are allergic reactions, mucous membrane irritation, headaches, vomiting, and diarrhea. Due to the morphological similarity of *Aspergillus* and *Penicillium*, they are not differentiated by microscopic analysis and are reported together.

Aspergillus sp.

Aw 0.75 - 0.82. Reported to be allergenic. Members of this genus are reported to cause ear infections. Many species produce mycotoxins that may be associated with disease in humans and other animals. Toxin production is dependent on the species or a strain within a species and on the food source for the fungus. Some of these toxins have been found to be carcinogenic in animal species. Several toxins are considered potential human carcinogens. Common cause of extrinsic asthma (immediate-type hypersensitivity: type I). Acute symptoms include edema and bronchospasms; chronic cases may develop pulmonary emphysema; may also be associated with sinusitis, allergic bronchopulmonary aspergillosis, and other allergic symptoms.

Aureobasidium

Aureobasidium pullulans is a ubiquitous and generalistic black, yeast-like fungus that can be found in different environments (e.g., soil, water, air, and limestone). It is well known as a naturally occurring epiphyte or endophyte of a wide range of plant species (e.g. apple, grape, cucumber, green beans, cabbage) without causing any symptoms of disease. *A. pullulans* has a high importance in biotechnology for the production of different enzymes, siderophores and pullulan. Furthermore, *A. pullulans* is used in biological control of plant diseases, especially storage diseases.
Chronic human exposure to *A. pullulans* via humidifiers or air conditioners can lead to hypersensitivity pneumonitis (extrinsic allergic alveolitis) or "humidifier lung". This condition is characterized acutely by dyspnea, cough, fever, chest infiltrates, and acute inflammatory reaction. The condition can also be chronic, and lymphocyte mediated. The chronic condition is characterized radiographically by reticulonodular infiltrates in the lung, with apical sparing. The strains causing infections in humans were reclassified to *A. melanogenum*.

Basidiospore

Spore from basidiomycetes. Many varieties are reported to be allergenic.

Bipolaris sp.

Aw 0.93. Conidia dimensions: 7-14 x 5-9 microns. It is parasitic on plants and soft fruits. Found in soil and on house plants and vegetables, it is also known as "gray mold". It causes leaf rot on grapes, strawberries, lettuce, etc. It is a well-known allergen, producing asthma type symptoms in greenhouse workers and "wine grower's lung".

Botrytis sp.

A fungus with large spores that could be expected to be deposited in the upper respiratory tract. This fungus can produce the mycotoxin - sterigmatocystin, which has been shown to produce liver and kidney damage when ingested by laboratory animals.

Cercospora

Common outdoors in agricultural areas, especially during harvest. Parasite of higher plants, causing leaf spot. Commonly found as parasites on higher plants.

Chaetomium sp.

Large ascomycetous fungus producing perithecia. It is found on a variety of substrates containing cellulose, including paper and plant compost. It has been found on paper in sheetrock. It can produce an *Acremonium*- like state on fungal media. Varieties are considered allergenic and have been associated with peritonitis, cutaneous lesions, and system mycosis.

Cladosporium sp.

Aw 0.88; Aw 0.84. Most commonly identified outdoor fungus. The outdoor numbers are reduced in the winter. The numbers are often high in the summer. Often found indoors in numbers less than outdoor numbers. It is a common allergen. Indoor *Cladosporium* sp. may be different than the species identified outdoors. It is commonly found on the surface of fiberglass duct liners in the interior of supply ducts. A wide variety of plants are food sources for this fungus. It is found on dead plants, woody plants, food, straw, soil, paint, and textiles. Produces greater than 10 antigens. Antigens in commercial extracts are of variable quality and may degrade within weeks of preparation. Common cause of extrinsic asthma (immediate-type hypersensitivity: type I). Acute symptoms include skin lesions, eye ulceration, mycosis (including onychomycosis, an infection of the nails of the feet or hands) edema and bronchospasms; chronic cases may develop pulmonary emphysema.

Curvularia sp.

Reported to be allergenic and has been associated with allergic fungal sinusitis. It may cause corneal infections, mycetoma, and infections in immune compromised hosts.

Drechslera sp.

Conidia dimensions: 40-120 x 17-28 microns. Found on grasses, grains and decaying food. It can occasionally cause a corneal infection of the eye.

Epicoccum sp.

Conidia dimensions: 15-25 microns. A common allergen. It is found in plants, soil, grains, textiles and paper products.

Fusarium sp.

Aw 0.90. A common soil fungus. It is found on a wide range of plants. It is often found in humidifiers. Several species in this genus can produce potent trichothecene toxins. The trichothecene (scirpene) toxin targets the following systems: circulatory, alimentary, skin, and nervous. Produces vomitoxin on grains during unusually damp growing conditions. Symptoms may occur either through ingestion of contaminated grains or possibly inhalation of spores. The genera can produce hemorrhagic syndrome in humans (alimentary toxic aleukia). This is characterized by nausea, vomiting, diarrhea, dermatitis, and extensive internal bleeding. Reported to be allergenic. Frequently involved in eye, skin, and nail infections.

Myxomycetes

Members of a group of fungi that is included in the category of "slime molds". They're occasionally found indoors, but mainly reside in forested regions on decaying logs, stumps, and dead leaves. Myxomycetes display characteristics of fungi *and* protozoans. In favorable (wet) conditions they exhibit motile, amoeba-like cells, usually bounded only by a plasma membrane, that are variable in size and form. During dry spells, they form a resting body (sclerotium) with dry, airborne spores. These fungi are not known to produce toxins but can cause hay fever and asthma.

Memnoniella

Contaminant found most often with *Stachybotrys* on wet cellulose. Forms in chains, but it are very similar to *Stachybotrys* and sometimes is considered to be in the *Stachybotrys* family. Certain species do produce toxins very similar to the ones produced by *Stachybotrys chartarum* and many consider the IAQ importance of *Memnoniella* to be on par with *Stachybotrys* . Allergenic and infectious properties are not well studied.

Nigrospora sp.

Commonly found in warm climates, this mold may be responsible for allergic reactions such as hay fever and asthma. It is found on decaying plant material and in the soil. It is not often found indoors.

Oidium sp.

The asexual phase of *Erysiphe* sp. It is a plant pathogen causing powdery mildews. It is very common on the leaf's stems, and flowers of plants. The health effects and allergenicity have not been studied. It does not grow on non-living surfaces such as wood or drywall.

Penicillium sp.

Aw 0.78 - 0.88. A wide number of organisms have been placed in this genus. Identification to species is difficult. Often found in aerosol samples. Commonly found in soil, food, cellulose and grains. It is also found in paint and compost piles. It may cause hypersensitivity pneumonitis, allergic alveolitis in susceptible individuals. It is reported to be allergenic (skin). It is commonly found in carpet, wallpaper, and in interior fiberglass duct insulation. Some species can produce mycotoxins. Common cause of extrinsic asthma (immediate-type hypersensitivity: type I). Acute symptoms include edema and bronchospasms; chronic cases may develop pulmonary emphysema. It may also cause headaches, vomiting, and diarrhea.

Periconia sp.

Periconia sp. are found in soil, blackened and dead herbaceous stems leaf spots, grasses, rushes, and sedges. Almost always associated with other fungi. Rarely found growing indoors. Reportedly associated with a rare case of mycotic keratitis.

Pithomyces sp.

A common mold found on dead leaves, plants, soil and especially grasses. Causes facial eczema in ruminants. It exhibits distinctive multi-celled brown conidia. It is not known to be a human allergen or pathogen. It is rarely found indoors, although it can grow on paper.

Rusts/Smuts

These fungi are associated with plant diseases. In the classification scheme of the fungi, the smuts have much in common with the rusts, and they are frequently discussed together. Both groups produce wind-borne, resistant teliospores that serve as the basis for their classification and their means of spread. Rusts usually attack vegetative regions (i.e., leaves and stems) of plants; smuts usually are associated with the reproductive structures (seeds). They can cause hay fever and asthma.

Spegazzinia

Spegazzinia species comprise a very small proportion of the fungal biota. This genus is somewhat related to other lobed or ornamented genera such as *Candelabrum* . No information is available regarding health effects or toxicity. Allergenicity has not been studied. Usually identified on spore trap samples where it is seen every few weeks. (Spores have very distinctive morphology.) May also be found in air by culturable (Andersen) samples if a long enough incubation period is provided so that sporulation occurs. Our laboratory has never found this organism growing on indoor environmental surfaces. Natural habitat includes soil and many kinds of trees and plants.

Sporotrichum

Sporotrichum species comprise a very small proportion of the fungal biota and are most closely related to other colorless hyphomycetes such as Chrysosporium. The only information available regarding health effects are a few rare cases of repeated isolations from respiratory secretions suggestive of bronchopulmonary colonization. No information is available regarding toxicity. Allergenicity has not been studied. May be identified on surfaces by tape lifts, tease mounts from bulk samples, and in air by culturable (Andersen) samples. Many times sporulating colorless fungi are very difficult to identify, with critical structures only very faintly visible under oil immersion magnification. Thus, these isolates may be placed in the category "Colorless, sporulating, ID unknown" on the Andersen report format. Spores do not have distinctive morphology and would be categorized as "other colorless" on spore trap samples. Natural habitat includes soil and decaying wood.

Stachybotrys sp.

Aw - 0.94, optimum Aw ->0.98. Several strains of this fungus (*S. atra, S. chartarum* and *S. alternans* are synonymous) may produce a trichothecene mycotoxin- Satratoxin H - which is poisonous by inhalation. The toxins are present on the fungal spores. This is a slow growing fungus on media. It does not compete well with other rapidly growing fungi. The dark colored fungus grows on building material with high cellulose content and low nitrogen content. Areas with a relative humidity above 55%, and are subject to temperature fluctuations, are ideal for toxin production. Individuals with chronic exposure to the toxin produced by this fungus reported cold and flu symptoms, sore throats, diarrhea, headaches, fatigue, dermatitis, intermittent local hair loss and generalized malaise. Other symptoms include coughs, rhinitis, nosebleed, a burning sensation in the nasal passages, throat, and lungs, and fever. The toxins produced by this fungus will suppress the immune system affecting the lymphoid tissue and the bone marrow. Animals injected with the toxin from this fungus exhibited the following symptoms: necrosis and hemorrhage within the brain, thymus, spleen, intestine, lung, heart, lymph node, liver, and kidney. Affects by absorption of the toxin in the human lung are known as pneumomycosis.

This organism is rarely found in outdoor samples. It is usually difficult to find in indoor air samples unless it is physically disturbed (or possibly -this is speculation- a drop in the relative humidity). The spores are in a gelatinous mass. Appropriate media for the growth of this organism will have high cellulose content and low nitrogen content. The spores will die readily after release. The dead spores are still allergenic and toxigenic. Percutaneous absorption has caused mild symptoms.

Stemphylium sp.

Reported to be allergenic. Isolated from dead plants and cellulose materials.

Torula sp.

Found outdoors in air, soil, on dead vegetation, wood, and grasses. Also found indoors on cellulose materials. Reported to be allergenic and may cause hay fever and asthma.

Tetraploa

Tetraploa species comprise a very small proportion of the fungal biota. This genus is somewhat related to *Triposporium* and Diplocladiella. The only reported human infections are two cases of keratitis (1970, 1980) and one case of subcutaneous infection of the knee (1990). No information is available regarding other health effects or toxicity. Allergenicity has not been studied. Usually identified on spore trap samples where it is seen every few weeks. (Spores have very distinctive morphology.) Our laboratory has never found this organism growing on indoor environmental surfaces. Natural habitat includes leaf bases and stems just above the soil on many kinds of plants and trees.

Ulocladium sp.

Aw 0.89. Isolated from dead plants and cellulose materials. Found on textiles.

Zygomycetes

Zygomycetes are one of the four major groups of fungi, the others being the Oomycetes, the Ascomycetes, and the Basidiomycetes. Zygomycetes are common, fast growing, and often overgrow and/or inhibit other fungi nearby. Rhizopus and Mucor are two of the most common Zygomycetes seen in the indoor environment. However, others are seen as well, including *Syncephalastrum* , *Circinella* , *Mortierella* , *Mycotypha* , *Cunninghamella* , and *Choanephora* . For further information, please see descriptions of these individual genera.

The following table lists mycotoxins that are produced by certain types of fungi:

Fungi	Mycotoxin
Acremonium crotocinigenum	Crotocin
Aspergillus favus	Alfatoxin B, cyclopiazonic acid
Aspergillus fumigatus	Fumagilin, gliotoxin
Aspergillus carneus	Critrinin
Aspergillus clavatus	Cytochalasin, patulin
Aspergillus Parasiticus	Alfatoxin B
Aspergillus nomius	Alfatoxin B
Aspergillus niger	Ochratoxin A, malformin, oxalicacid
Acremonium crotocinigenum	Crotocin
Aspergillus nidulans	Sterigmatocystin
Aspergillus ochraceus	Ochratoxin A, penicillic acid
Aspergillus versicolor	Sterigmatocystin, 5 ethoxysterigmatocystin
Aspergillus ustus	Ausdiol, austamide, austocystin,brevianamide
Aspergillus terreus	Citreoviridin
Alternaria	Alternariol, altertoxin, altenuene, altenusin, tenuazonic acid
Arthrinium	Nitropropionic acid
Bioploaris	Cytochalasin, sporidesmin, sterigmatocystin
Chaetomium	Chaetoglobosin A,B,C. Sterigmatocystin
Cladosporium	Cladosporic acid
Clavipes purpurea	Ergotism
Cylindrocorpon	Trichothecene
Diplodia	Diplodiatoxin
Fusarium	Trichothecene, zearalenone
Fusarium moniliforme	Fumonisins
Emericella nidulans	Sterigmatocystin
Gliocladium	Gliotoxin
Memnoniella	Griseofulvin , dechlorogriseofulvin, epi-decholorgriseofulvin, trichodermin, trichodermol
Myrothecium	Trichothecene
Paecilomyces	Patulin, viriditoxin
Penicillium aurantiocandidum	Penicillic acid
Penicillium aurantiogriseum	Penicillic acid
Penicillium brasilanum	Penicillic acid
Penicillium brevicompactum	Mycophenolic acid
Penicillium camemberti	Cyclopiazonic acid
Penicillium carneum	Mycophenolic acid, Roquefortine C
Penicillium crateriforme	Rubratoxin

Fungi	**Mycotoxin**
Penicillium citrinum	Citrinin
Penicillium commune	Cyclopiazonic acid
Penicillium crustosum	Roquefortine C
Penicillium chrysogenum	Roquefortine C
Penicillium discolor	Chaetoglobosin C
Penicillium expansum	Citrinin, Roquefortine C
Penicillium griseofulvum	Roquefortine C, cyclopiazonic acid, griseofulvin
Penicillium hirsutum	Roquefortine C
Penicillium hordei	Roquefortine C
Penicillium nordicum	Ochratoxin A
Penicillium paneum	Roquefortine C
Penicillium palitans	Cyclopiazonic acid
Penicillium polonicum	Penicillic acid
Penicillum roqueforti	Roquefortine C, Mycophenolic acid
Penicillium veridicatum	Penicillic acid
Penicillium verrucosum	Citrinin, ochratoxin A
Penicillium/ Aspergillus	Patulin
Penicillium/ Aspergillus/Alternaria	Glitoxin
Phomopsis	Macrocyclic trichothecenes
Phoma	Brefeldin, cytochalasin, secalonic acid, tenuazonic acid
Pithomyces	Sporidesmin
Rhizoctonia	Slaframine
Rhizopus	Rhizonin
Sclerotinia	Furanocoumarins
Stachybotrys chartarum	Iso-satratoxin F, roridin E, L-2, satratoxin G & H, trichodermin, trichodermol, trichothecene
Torula	Cytotoxins
Trichoderma	Trichodermin, trichodermol, gliotoxin
Trichothecium	Trichothecene
Wallemia	Walleminol
Zygosporium	Cytochalasin

General terms

Allergen

An allergen is a substance that elicits an IgE antibody response and is responsible for producing allergic reactions. Chemicals are released when IgE on certain cells contact an allergen. These chemicals can cause injury to surrounding tissue - the visible signs of an allergy. Only a few fungal allergens have been characterized but all fungi are thought to be potentially allergenic. Fungal allergens are proteins found in either the mycelium or spores

"Black mold"

A poorly defined term. Black mold or toxic black mold has usually been associated with the mold *Stachybotrys chartarum* . While there are only a few molds that are truly black, there are many that can appear black. Not all molds that appear to be black are *Stachybotrys* .

Fungi

Fungi are neither animals nor plants and are classified in a kingdom of their own. The Kingdom of Fungi. Fungi include a very large group of organisms, including molds, yeasts, mushrooms and puffballs. There are >100,000 accepted fungal species but current estimates range to 1.5 million species. Mycologists (people who study fungi) have grouped fungi into four large groups according to their method of reproduction.

Hidden mold

This refers to visible mold growth on building structures that is not easily seen, including the areas above drop ceilings, within a wall cavity (the space between the inner and outer structure of a wall), inside air handlers, or within the ducting of a heating/ventilation system.

Microbial Volatile Organic Compounds (MVOCs)

Fungi produce chemicals as a result of their metabolism. Some of these chemicals, MVOCs, are responsible for the characteristic moldy, musty, or earthy smell of fungi, whether mushrooms or molds. Some MVOCs are considered offensive or annoying. Specific MVOCs are thought to be characteristic of wood rot and mold growth on building materials. The human nose is very sensitive to mold odors and sometimes more so than current analytical instruments.

Mold

Molds are a group of organisms that belong to the Kingdom of Fungi (see Fungi). Even though the terms mold and fungi had been commonly referred to interchangeably, all molds are fungi, but not all fungi are molds.

Mycotoxin

Mycotoxins are compounds produced by some fungi that are toxic to humans or animals. By convention, the term? Mycotoxin. Excludes mushroom toxins. Fungi that produce mycotoxins are called "toxigenic fungi."

Spore

General term for a reproductive structure in fungi, bacteria and some plants. In fungi, the spore is the structure which may be used for dissemination and may be resistant to adverse environmental conditions.

Toxic mold

The term "toxic mold" has no scientific meaning since the mold itself is not toxic. The metabolic byproducts of some molds may be toxic (see mycotoxin).

Hypha (plural, hyphae)

An individual fungal thread or filament of connected cells; the thread that represents the individual parts of the fungal body.

Southeast Environmental Microbiology Laboratories (SEEML)
Chain of Custody

440 Cobia Drive, Ste. 1901, Katy, TX. 77494 Phone: 832-437-2667, www.seeml.com

SEEML Labs
Analytical Solutions For a Healthy Indoor Environment

FOR LAB USE ONLY	Conditions of Samples Acceptable?	☑ YES ☐ NO
	SEEML Reference Number:	SEEML LAB ID:
	H-251209005	019-033

Company Information:			
Company Name:	Pioneer Environmental	Address:	
Project Manager:	Matthew Massey	(City, State, Zip)	
Phone:	(405) 463-3463	Special Instructions:	
Email:	Info@pioneer-enviro.com		

Turn Around Time

R: 4-Hr Rush
SD: Same Business Day
ND: Next Business Day
2D: 2-Business Days
3D: 3-Business Days
4D: 4-Business Days
5D: 5-Business Days
WH: Weekend/Holiday

Project Information:		Sample Type Abbreviations:	
Date Sampled:	12/8/25	**A**-Allergenco	**B**-Bulk
Project Name:	300 Aquarium Dr.	**AOC**-Air O Cell	**W**-Water
Project Address:	300 Aquarium Dr.	**S**-Swab	**D**-Dust
City, State, Zip:		**T**-Tape	**M5**-Micro 5

Environmental Conditions	
Precipication in last 16 Hours:	
Relative Humidity I/O:	/
Temperature I/O:	/
Wind Conditions:	

Requested Services							
Mold/Bacteria Analysis							
Non-Culturable			Culturable				
Spore Trap	Tape, Swab, Bulk		Water, Swab, Bulk				
Spore Trap Analysis	Non Fungal Biological Particulate Analysis	Direct Exam Surface Sample Analysis	Total Coliform, E. coli (Presence/Absence)	Sewage Assessment By QuantiTray	Pseudomonas aeruginosa By QuantiTray	Legionella (CDC-Method)	

Client Sample ID	Sample Location/Description	Sample Type	TAT	**Volume (L)	*Area	Notes:								
1	Lobby Area	A	SD	75L			✓							
2	Shawn's Office	A	SD	75L			✓							
3	Matt's Office	A	SD	75L			✓							
4	Administration Office	A	SD	75L			✓							
5	Aaron's Office	A	SD	75L			✓							
6	Colby's Office	A	SD	75L			✓							
7	Jason's Office	A	SD	75L			✓							
8	Kitchen	A	SD	75L			✓							
9	Eric's Office	A	SD	75L			✓							
10	Kelly's Office	A	SD	75L			✓							

Reliquished By:	Date/Time:	*Area is only required for culturable surface samples. **Volume = Pump setting (L/min) X minutes	Recieved By:	Date/Time:
Matt M	12-8-2025		Alyssa	12/9/25 10:57 AM

Southeast Environmental Microbiology Laboratories (SEEML)
Chain of Custody

440 Cobia Drive, Ste. 1901, Katy, TX. 77494 Phone: 832-437-2667, www.seeml.com

SEEML Labs
Analytical Solutions For a Healthy Indoor Environment

FOR LAB USE ONLY	Conditions of Samples Acceptable?	☑ YES ☐ NO
	SEEML Reference Number:	SEEML LAB ID:
	H-251209005	019-033

Company Information:			
Company Name:	Pioneer Environmental	Address:	
Project Manager:	Matthew Massey	(City, State, Zip)	
Phone:	(405) 463-3463	Special Instructions:	
Email:	Info@pioneer-enviro.com		

Turn Around Time

R: 4-Hr Rush
SD: Same Business Day
ND: Next Business Day
2D: 2-Business Days
3D: 3-Business Days
4D: 4-Business Days
5D: 5-Business Days
WH: Weekend/Holiday

Project Information:		Sample Type Abbreviations:	
Date Sampled:	12/8/25	**A**-Allergenco	**B**-Bulk
Project Name:	300 Aquarium Dr.	**AOC**-Air O Cell	**W**-Water
Project Address:	300 Aquarium Dr.	**S**-Swab	**D**-Dust
City, State, Zip:		**T**-Tape	**M5**-Micro 5

Environmental Conditions	
Precipication in last 16 Hours:	
Relative Humidity I/O:	/
Temperature I/O:	/
Wind Conditions:	

Requested Services							
Mold/Bacteria Analysis							
Non-Culturable			Culturable				
Spore Trap	Tape, Swab, Bulk		Water, Swab, Bulk				
Spore Trap Analysis	Non Fungal Biological Particulate Analysis	Direct Exam Surface Sample Analysis	Total Coliform, E. coli (Presence/Absence)	Sewage Assessment By QuantiTray	Pseudomonas aeruginosa By QuantiTray	Legionella (CDC-Method)	

Client Sample ID	Sample Location/Description	Sample Type	TAT	**Volume (L)	*Area	Notes:								
11	Conference Room	A	SD	75L			✓							
12	Front Exterior	A	SD	75L			✓							
13	Administration Office (HVAC ceiling supply Diffuser)	T	SD						✓					
14	Hallway #2 (western Wall Wallboard Near Jason's office)	T	SD						✓					
15	Women's Restroom (Mold Growth on Removed ceiling Tile)	T	SD						✓					

Reliquished By: Matt Massey Date/Time: 12-8-2025

*Area is only required for culturable surface samples.
**Volume = Pump setting (L/min) X minutes

Recieved By: Alyssa Date/Time: 12/9/25 10:57 AM

SECTION 000900
EXISTING BUILDING CONSTRUCTION DRAWINGS

PROJECT LOCATION

EAST 101ST STREET SO (PUBLIC STREET)

EDGE OF GRAVEL

6' CHAIN LINK FENCE

ROADWAY UNDER SEPERATE CONTRACT

FUTURE PARKING

107 SPACES

RV PARKING 12 SPACES

BUS PARKING 10 SPACES

148 SPACES

113 SPACES

GRAVEL ROAD

CONSTRUCTION TRAFFIC ACCESS

CONSTRUCTION FENCE

ROAD TO REMAIN

HATCHED AREA OF EXISTING GRAVEL ROAD TO REMAIN UPON COMPLETION OF PROJCT #4. AREAS UNHATCHED ARE TO BE ABANDONED FOR NEW PAVED ROADS.

LIMITS OF BUILDING CONSTRUCTION PACKAGE PROJECT #4

PAVED AREAS AND PARKING ARE UNDER SEPERATE CONTRACT

CONTRACTOR TO PROVIDE WARNING SIGNAGE INDICATING OVERHEAD TRANSMISSION LINE DANGER

EXISTING OVERHEAD 138 KV ELECTRICAL TRANSMISSION LINES

STEEL PP

WEST PROPERTY LINE

EAST LINE OF SECTION 8
WEST LINE OF SECTION 20

CONSTRUCTION STAGING AREA:

KEEP ALL MATERIALS & EQUIPMENT OFF EXISTING GAS LINES

MAINTAINANCE BUILDING (N.I.C.)

NORTH PROPERTY LINE

SOUTH LINE OF SECTION 20

DIRT ROAD

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA

00038A

gary sparks companies
1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 - fax: (918) 599-0665

SITE PLAN

Drawn by: cb
Approved by: MK
Issue Date: 4/3/2001

STATE OF OKLAHOMA
GARY W. SPARKS
No. 12413
LICENSED ARCHITECT

G002

A1 ARCHITECTURAL SITE LAYOUT PLAN
1" = 60'-0"
MASSITE

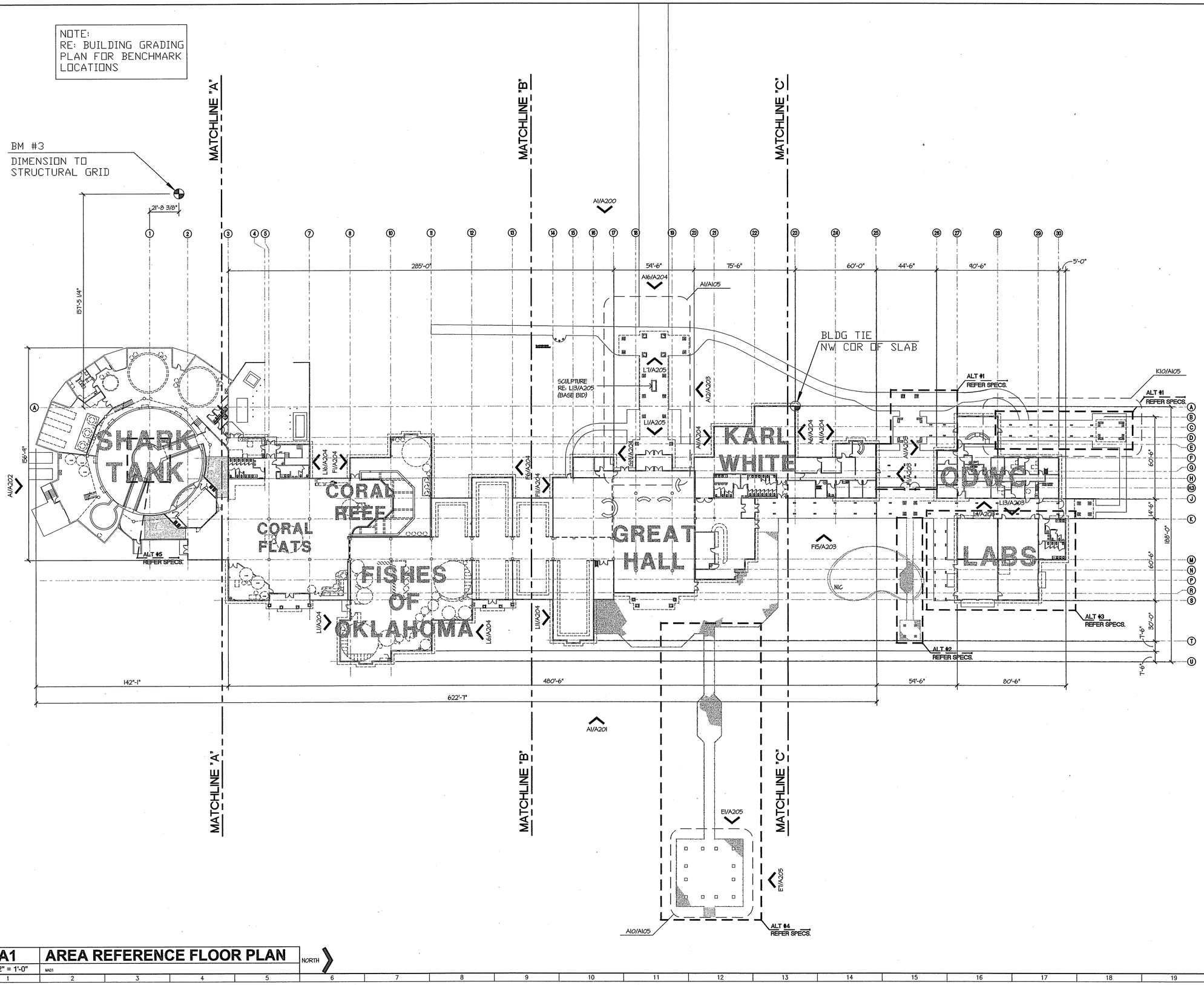
NORTH

\\Tanner\specs\files\JENKS PROJECTS\00038A Oklahoma Aquarium — CD's\49 — Construction Documents\Arch\0002.dwg 3/30/2001 11:08am

\\Server1\projects\Park JOBS PROJECTS\00038A Oklahoma Aquarium - CD's\0 - Construction Documents\CAD\A100.dwg 3/30/2021 11:20am

NOTE:
RE: BUILDING GRADING PLAN FOR BENCHMARK LOCATIONS

BM #3
DIMENSION TO STRUCTURAL GRID



A1	AREA REFERENCE FLOOR PLAN	NORTH
1/32" = 1'-0"	MAD1	

LEGEND:

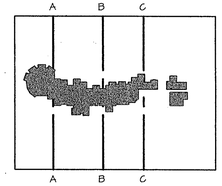
FEC	FIRE EXTINGUISHER CABINET
PS	PROTIEN SKIMMER (OF01)
SF	SAND FILTER
P	PUMP (OF01)
WH	WATER HEATER SUPPORTED ON WOOD PLATFORM BRACED TO ADJACENT WALL
⊠	FLOOR SINK (TYP) REFER TO MEP DRAWINGS.

REFERENCE NOTES:

1. OPENINGS AT TOP OF TANK FOR OWNER FURNISHED, OWNER INSTALLED SURFACE SKIMMER BOXES. RE: STRUCTURAL FOR MORE INFORMATION.
2. OPENINGS IN CONCRETE TANK FOR PIPING SERVING OWNER FURNISHED LIFE SUPPORT SYSTEM. REFER TO MEP & STRUCTURAL FOR ADDITIONAL INFORMATION.
3. REFER TO A1/A503 FOR ACRYLIC PANEL SCHEDULE.

NOTES:

1. ARCHITECTURAL FINISH FLOOR ELEVATION 100'-0" CORRESPONDS TO CIVIL ELEVATION 617'-0".
2. ALL DIMENSIONS ARE TO CENTERLINE OF STUDS, WINDOWS & DOORS UNLESS NOTED OTHERWISE. EXTERIOR WALL DIMENSIONS ARE SHOWN AS OUT TO OUT, FACE OF STUD TO FACE OF STUD (F.O.S.).



No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKINS, OKLAHOMA
00038A

1334 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • fax: (918) 599-0665
gary sparks companies

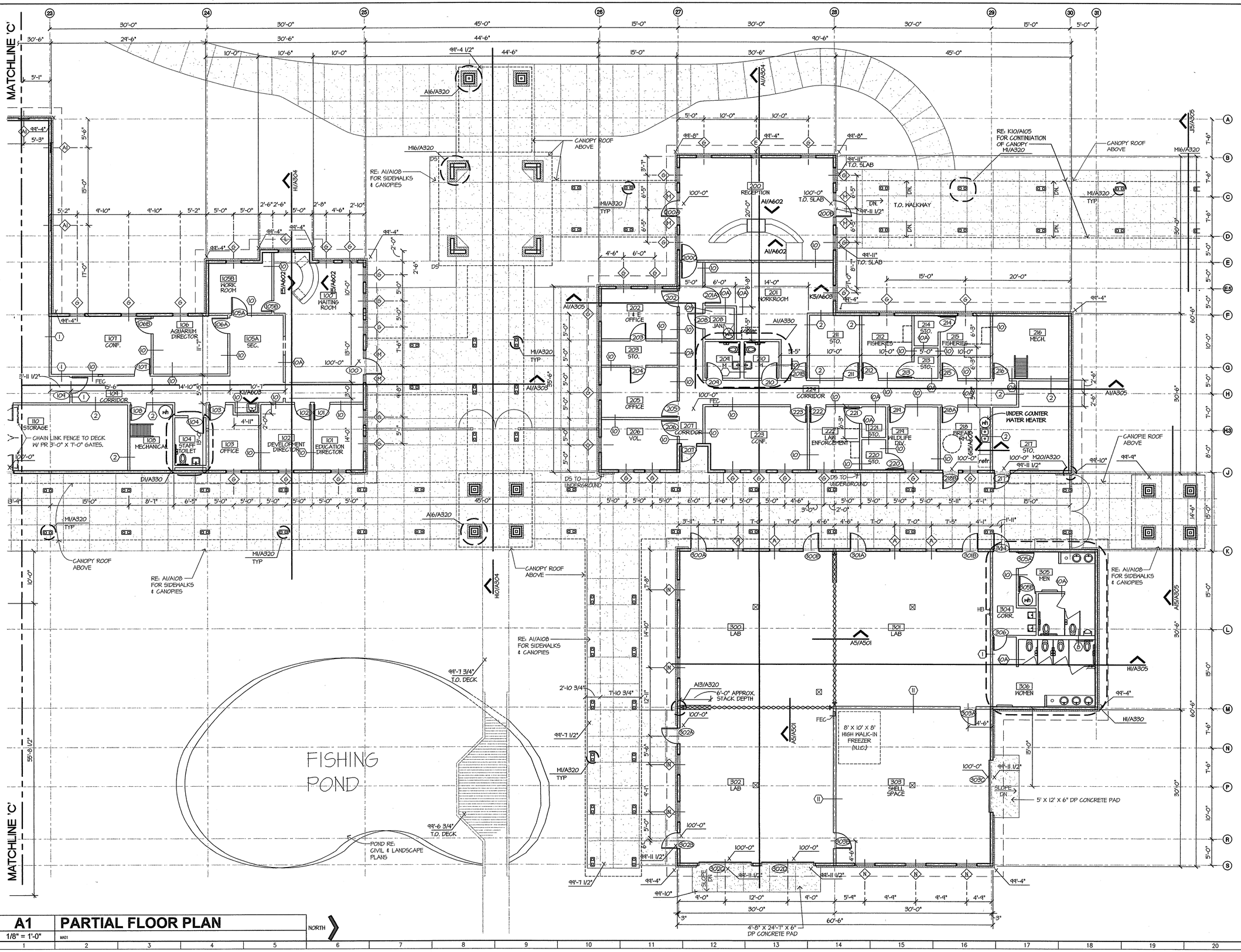
OVERALL FLOOR PLAN

Drawn by: TT
Approved by: MK Issue Date: 4/3/2001

A100

STATE OF OKLAHOMA
GARY WAYNE SPARKS
No. 9248
LICENSED ARCHITECT

MATCHLINE 'C'



LEGEND:

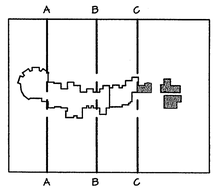
FEC	FIRE EXTINGUISHER CABINET
PS	PROTIEN SKIMMER (OF01)
SF	SAND FILTER
P	PUMP (OF01)
WH	WATER HEATER SUPPORTED ON WOOD PLATFORM BRACED TO ADJACENT WALL
⊠	FLOOR SINK (TYP) REFER TO MEP DRAWINGS.

REFERENCE NOTES:

1. OPENINGS AT TOP OF TANK FOR OWNER FURNISHED, OWNER INSTALLED SURFACE SKIMMER BOXES. RE: STRUCTURAL FOR MORE INFORMATION.
2. OPENINGS IN CONCRETE TANK FOR PIPING SERVING OWNER FURNISHED LIFE SUPPORT SYSTEM. REFER TO MEP & STRUCTURAL FOR ADDITIONAL INFORMATION.
3. REFER TO A1/A503 FOR ACRYLIC PANEL SCHEDULE.

NOTES:

1. ARCHITECTURAL FINISH FLOOR ELEVATION 100'-0" CORRESPONDS TO CIVIL ELEVATION 617'-0".
2. ALL DIMENSIONS ARE TO CENTERLINE OF STUDS, WINDOWS & DOORS UNLESS NOTED OTHERWISE. EXTERIOR WALL DIMENSIONS ARE SHOWN AS OUT TO OUT, FACE OF STUD TO FACE OF STUD (F.O.S.).



No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA
00038A

1336 east 15th street
tulsa, oklahoma 74120
(918) 585-0229 • fax: (918) 599-0665
gary sparks companies

PARTIAL FLOOR PLAN

Drawn by: TT
Approved by: MK Issue Date: 4/3/2001

A104

STATE OF OKLAHOMA
MARK WEISE
20005
1248
LICENSED ARCHITECT

A1	PARTIAL FLOOR PLAN	NORTH
1/8" = 1'-0"	MA01	

\\Server\projects\JENKS PROJECTS\00038A Oklahoma Aquarium - CF\A10 - Construction Documents\CAD\A151.dwg 3/30/2001 9:45am

CONT GUTTER (TYP)
A16/A303
M15/A312
F13/A310
F1/A309
COMPOSITE SHINGLES
RTU (RE: MECH.)
TOP OF PARAPET 116'-0"
A5/A313
A5/A313 SIM.
A13/A150
ROOFING MEMBRANE
SLOPE 1/4" PER FT. MIN.
OD
RD
1'-0" (TYP.)
15" (TYP.)
ROOF HATCH
A1/A302
F1/A303
PREMANUFACTURED RAILING SYSTEM
ROOFING MEMBRANE ON TAPERED INSUL
12'-3"
H10/A304
H1/A304
J15/A305
A1/A304
PREMANUFACTURED RAILING SYSTEM
J19/A305
A1/A303
A1/A305
A1/A150 (TYP)
116'-0" (TYP)
ROOF WALKING PADS
F13/A310
A15/A305
CONT GUTTER (TYP)
ROOF WALKING PADS
J3/A311
A13/A150
A5/A313
A7/A303
15'-0"
10'-3"
9'-0"
4'-0"
1'-0"

⊕ - INDICATES FLAG LOCATIONS

NORTH

A1	PARTIAL ROOF PLAN
1/16" = 1'-0"	ROOF PLAN

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA
00038A

1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • fax: (918) 599-0665
gary sparks companies

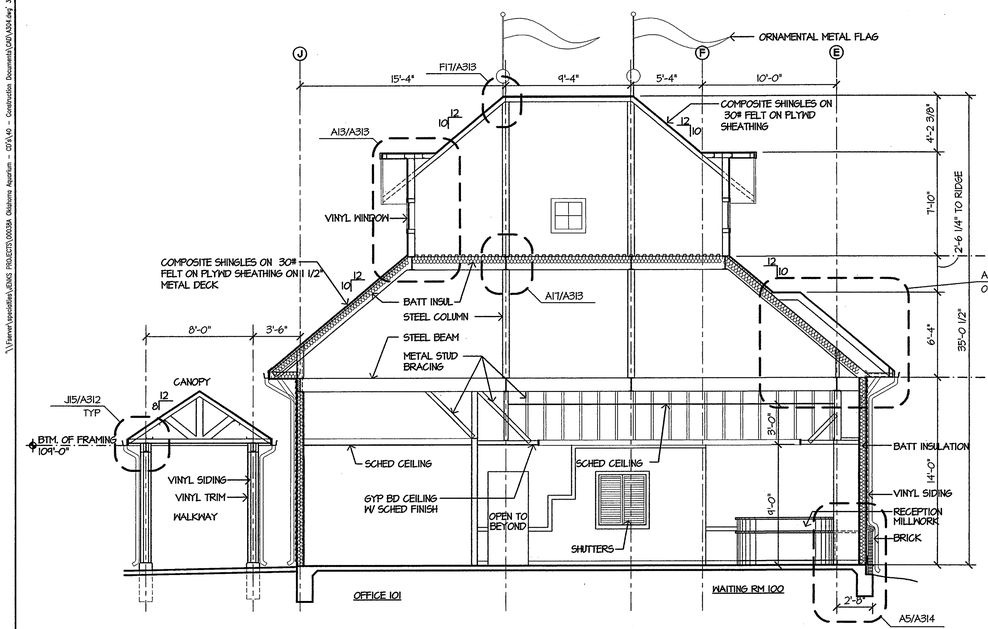
PARTIAL ROOF PLAN

Drawn by: CB
Approved by: MK
Issue Date: 4/3/2001

STATE OF OKLAHOMA
GARY W. SPARKS
1248
LICENSED ARCHITECT

A151

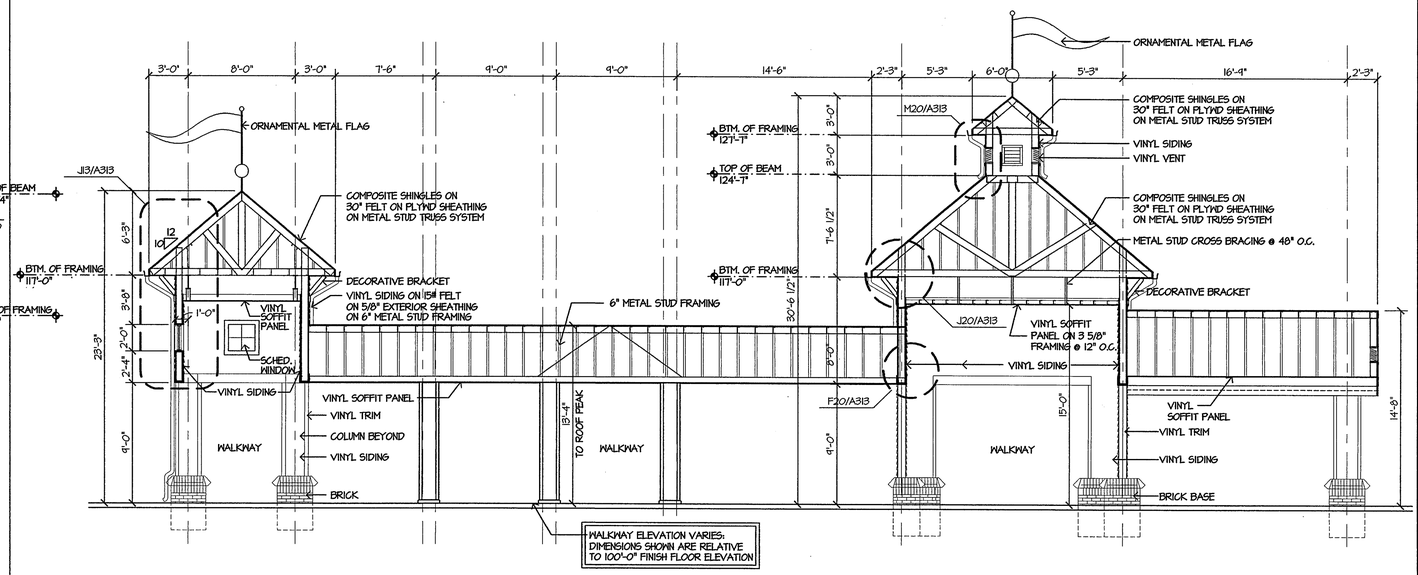
\\Tanner\specialties\JOBS\0 PROJECTS\00038A Oklahoma Aquarium — GFX.V9 — Construction Documents\CAD\A304.dwg 3/29/2001 9:17pm



H1 BUILDING SECTION

3/16" = 1'-0"

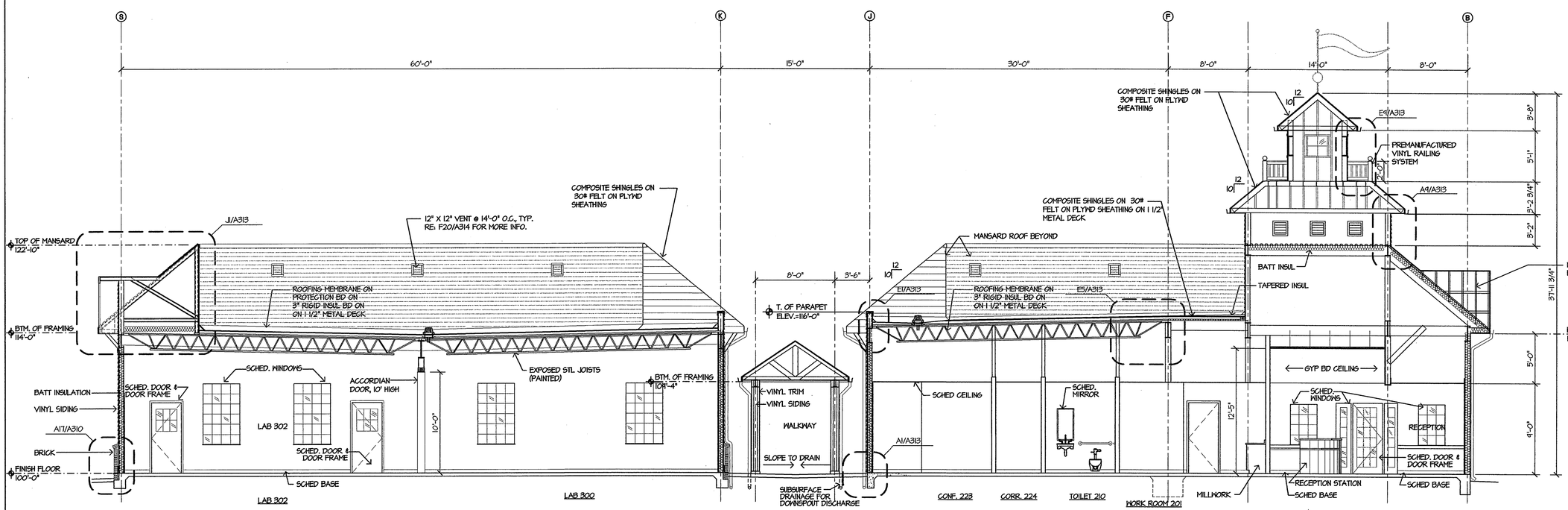
SECTIONS



H10 BUILDING SECTION

3/16" = 1'-0"

SECTIONS



A1 BUILDING SECTION

3/16" = 1'-0"

SECTIONS

GENERAL NOTE:
REFER TO EXTERIOR ELEVATIONS FOR DOWNSPOUT LOCATIONS.

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA
00038A

gary sparks companies
1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 - fax: (918) 599-0665

BUILDING SECTIONS

Drawn by:
Approved by: MK Issue Date: 4/3/2001

A304

Gary W. Sparks 4-3-01 OKLAHOMA JENKS 1248 LICENSED ARCHITECT

K:\JENKS PROJECTS\00038A Oklahoma Aquarium - CD's\A-Construction Documents\CAD\A404.dwg 3/30/2001 11:05am

MATCHLINE 'C'

A1/A405

A11/A405 SIM.

E12/A405

E12/A405

SLOPE DOWN

SLOPE DOWN

MATCHLINE 'C'

A1	PARTIAL REFLECTED CEILING PLAN
1/8" = 1'-0"	MAC1

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA

00038A

1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • fax: (918) 599-0665
gary sparks companies

PARTIAL REFLECTED CEILING PLAN

Drawn by: TT
Approved by: MK Issue Date: 4/3/2001

A404

STATE OF OKLAHOMA
GARY W. SPARKS
1248
LICENSED ARCHITECT

\\Server4\pw_data\Jenks_OK\KS PROJECTS\00038A Oklahoma Aquarium - CD's\2 Construction Documents\CAD\A607.dwg 3/30/2001 10:10:0m

MATCHLINE 'C'

MATCHLINE 'C'

FISHING POND

100 MAIN LOBBY
101 EDUCATION DIRECTOR
102 DEVELOPMENT DIRECTOR
103 OFFICE
104 STAFF TOILET
104A CORRIDOR
105 MECHANICAL
105A SEC.
105B WORK ROOM
106 AQUARIUM DIRECTOR
107 CONF.
108 STORAGE
200 RECEPTION
201 WORKROOM
202 I & E OFFICE
203 STO.
204 M
205 OFFICE
206 VOL
207 JAN
208 W
209 STO.
210 FISHERIES
211 STO.
212 FISHERIES
213 STO.
214 FISHERIES
215 MECH.
216 CORRIDOR
217 I.A.W. ENFORCEMENT
218 STO.
219 AIR QUIEF DIV.
220 BREAK RM
221 STO.
222 CONF.
223 CORRIDOR
300 LAB
301 LAB
302 LAB
303 SHELL SPACE
304 CORR.
305 MEN
306 WOMEN
refr

FLOOR PATTERN LEGEND:

- CONSTRUCTION JOINT
- CONTROL JOINT
- SCORED OR TOOLED JOINTS (ALL DIAGONAL LINES)

A1	PARTIAL FLOOR PATTERN PLAN	NORTH
1/8" = 1'-0"	MAFP01	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

A B C

A B C

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA

00038A

1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • fax: (918) 599-0665
gary sparks companies

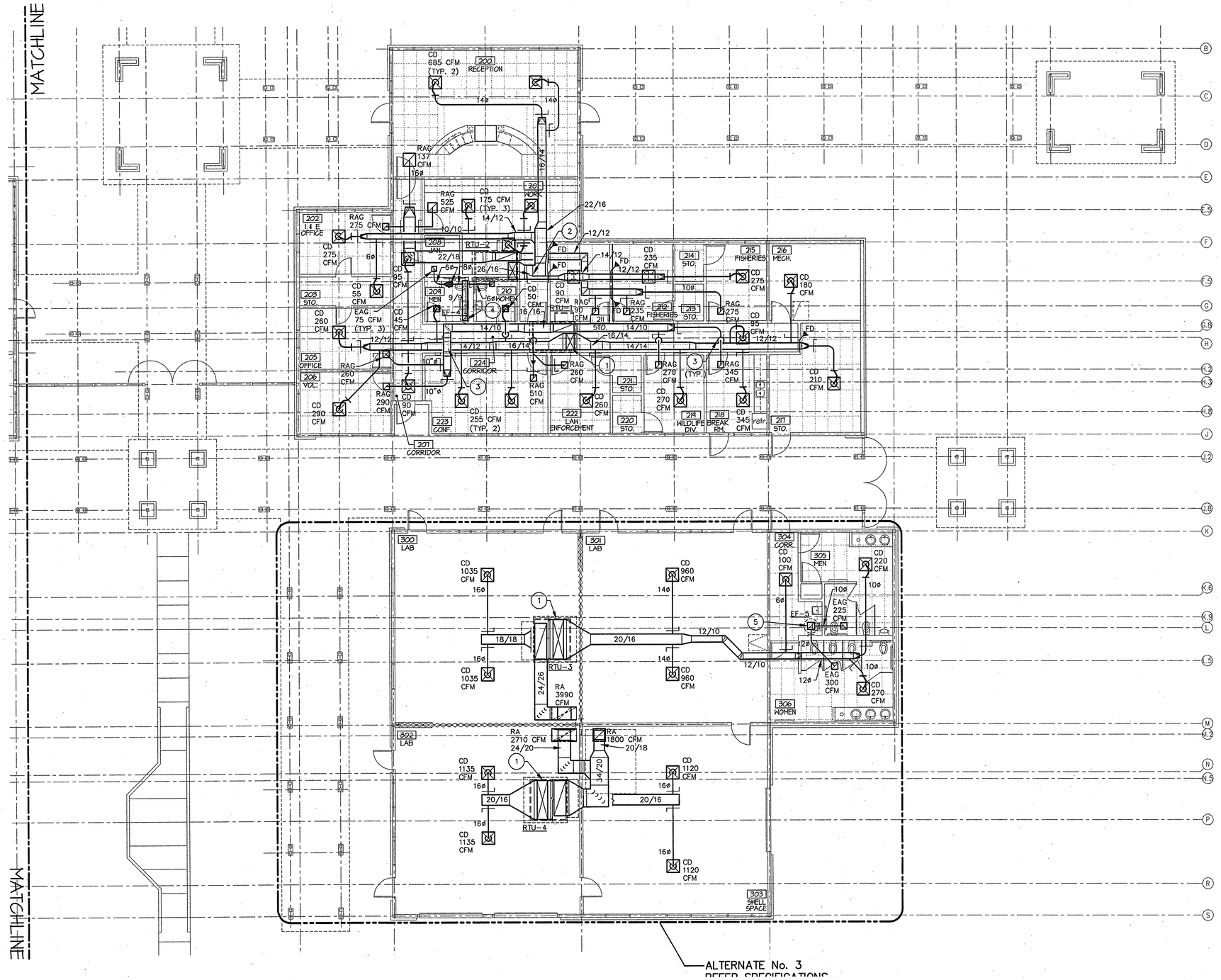
PARTIAL FLOOR PATTERN PLAN

Drawn by: AF
Approved by: MK Issue Date: 4/3/2001

A607

STATE OF OKLAHOMA
MICHAEL KENNEDY
1248
REGISTERED ARCHITECT

J:\user\sparks\aqua8888\08_M104.dwg Mar 30, 2001 - 3:48pm



KEYNOTES

1 PROVIDE SPLITTER FITTING IN VERTICAL, BALANCE DAMPER AND TURNING VANES.

2 SPLITTER FITTING WITH BALANCE DAMPER AND TURNING VANES IN VERTICAL.

3 BRANCH DUCTWORK TO RISE UP BETWEEN JOIST AND ROUTE OVER TOP OF TRUNK DUCTWORK.

4 8/8 EXHAUST DUCT UP TO EXHAUST FAN (EF-4) ON ROOF.

5 10/12 EXHAUST DUCT UP TO EXHAUST FAN (EF-5) ON ROOF.

GENERAL NOTES

1. REFER TO STRUCTURAL DRAWINGS TO COORDINATE LOCATION(S) OF MECHANICAL EQUIPMENT AND COORDINATE AS REQUIRED.
2. DUCTWORK DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR TO INCREASE INTERNALLY LINED DUCTWORK AS REQUIRED TO HOLD DESIGNED CLEAR DIMENSIONS.
3. FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 5'-0".
4. REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATION(S) AND COORDINATE AS REQUIRED.
5. FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
6. PROVIDE AND INSTALL SMOKE DETECTORS, AS APPROVED BY LOCAL AUTHORITY(S), IN RETURN AIR DUCT OF AIR HANDLING UNITS (AHU) & ROOFTOP UNITS (RTU). PLACE NEAR R/A OPENING OF AHU & RTU. PROVIDE WITH ACCESS PANEL. WIRING BY ELECTRICAL CONTRACTOR.

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA
00038A

gary sparks companies
1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • fax: (918) 599-0665

Consulting Engineers
Mechanical | Electrical | Energy Consultants, Inc.
1437 South Boulder Suite 1000
Tulsa, Oklahoma 74119-3606
918 592-3643 | Fax 918 592-5361

20-022.00

HVAC PLAN
(NORTH SECTION)

Drawn by: TW/JD/MG
Approved by: JD/JS Issue Date: 4/3/2001
CONSTRUCTION DOCUMENTS

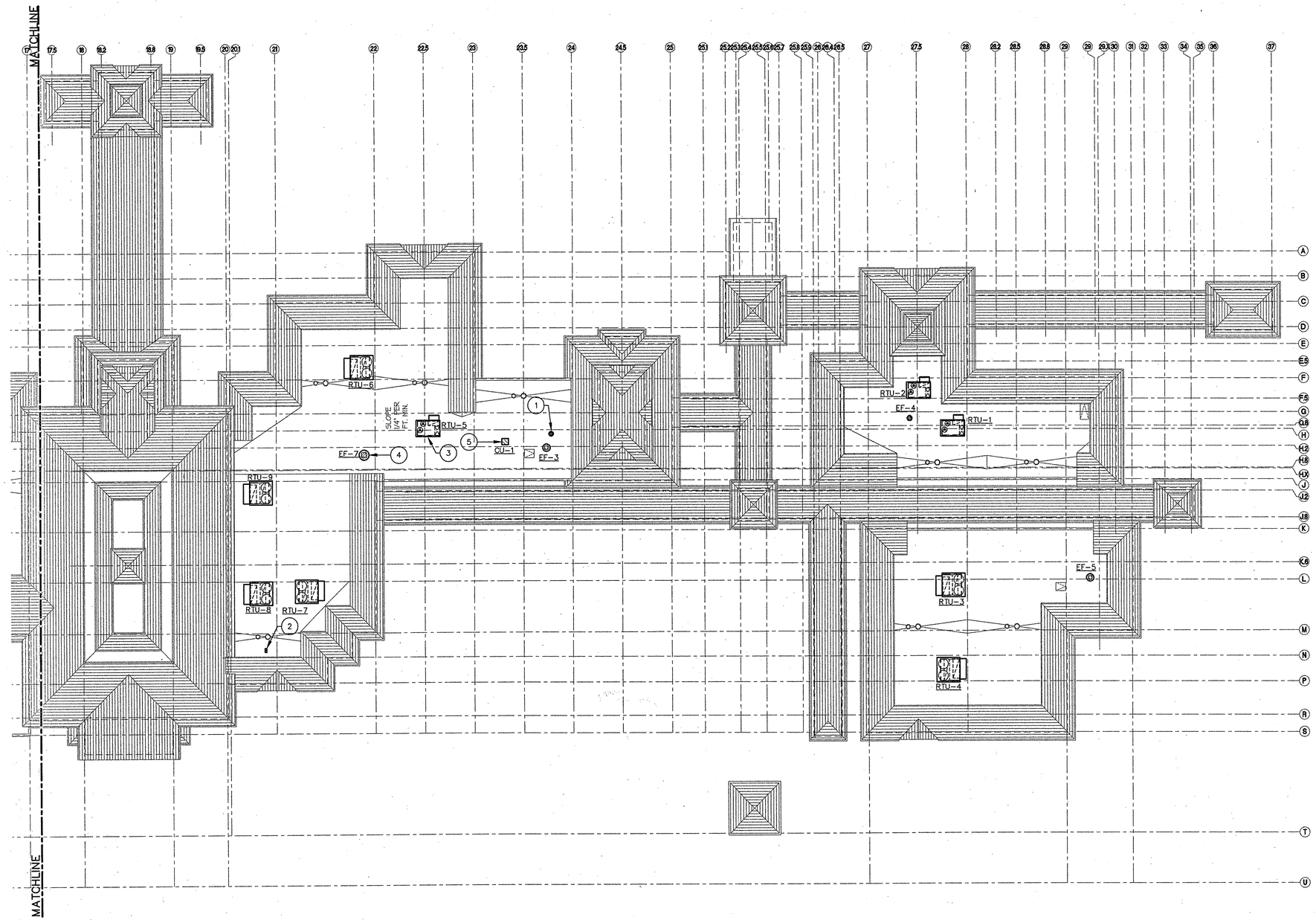
REGISTERED PROFESSIONAL ENGINEER ROBERT T. KELLY 18706 12/31/01 OKLAHOMA

M104

A1 1/8" = 1'-0"

HVAC PLAN (NORTH SECTION)

NORTH



KEYNOTES

1 COMBINATION COMBUSTION AIR/GAS FLUE CONCENTRIC VENT DEVICE FROM WATER HEATER (WH-4) BELOW (REFER: A1/P101)

2 ROOF CAP FROM EXHAUST FAN (EF-1) BELOW (REFER: A1/M103).

3 ROOF TOP UNIT, REFER TO SCHEDULE ON SHEET M401 FOR MANUFACTURE, MODEL, SIZE AND OTHER UNIT INFORMATION.

4 EXHAUST FAN, REFER TO SCHEDULE ON SHEET M401 FOR MANUFACTURE, MODEL, SIZE AND OTHER UNIT INFORMATION.

5 CONDENSING UNIT, REFER TO EQUIPMENT SCHEDULE ON SHEET M401 FOR MANUFACTURE, MODEL, SIZE AND OTHER UNIT INFORMATION.

GENERAL NOTES

1. REFER TO STRUCTURAL DRAWINGS TO COORDINATE LOCATION(S) OF MECHANICAL EQUIPMENT AND COORDINATE AS REQUIRED.
2. DUCTWORK DIMENSIONS ARE CLEAR INSIDE DIMENSIONS. CONTRACTOR TO INCREASE INTERNALLY LINED DUCTWORK AS REQUIRED TO HOLD DESIGNED CLEAR DIMENSIONS.
3. FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 5'-0".
4. REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATION(S) AND COORDINATE AS REQUIRED.
5. FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
6. PROVIDE AND INSTALL SMOKE DETECTORS, AS APPROVED BY LOCAL AUTHORITY(S), IN RETURN AIR DUCT OF AIR HANDLING UNITS (AHU) & ROOFTOP UNITS (RTU). PLACE NEAR R/A OPENING OF AHU & RTU. PROVIDE WITH ACCESS PANEL. WIRING BY ELECTRICAL CONTRACTOR.

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA
00038A

1234 east 15th street
tulsa, oklahoma 74120
(918) 592-0229 • fax: (918) 599-0665
gary sparks companies

Consulting Engineers
Mechanical | Electrical | Energy Consultants, Inc.
1437 South Boulder Suite 1000
Tulsa, Oklahoma 74119-3605
918 592-3643 | Fax 918 592-3361

20-022.00

HVAC ROOF PLAN
(NORTH SECTION)

Drawn by: TW/JD/MG
Approved by: JD/JS Issue Date: 4/3/2001
CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER
ROBERT A. TEW
18706
OKLAHOMA

M106

A1 HVAC ROOF PLAN (NORTH SECTION)
1/16" = 1'-0"

NORTH

J:\user\sparks\apps\2022\05_M401.dwg Mar 30, 2001 - 3:36pm

FAN SCHEDULE

MARK	LOCATION	MANUFACTURER AND MODEL NO.	CFM	S.P.	RPM	BHP	DRIVE	MOTOR RPM	MOTOR HP	MOTOR VOLT	MOTOR PH.	REMARKS
EF-1	JAN. 117	GEMINI MODEL GC-120	75	0.125	1200	--	DIRECT	--	--	35W	1	1,2,3,4,5
EF-2	TUNNEL	GEMINI MODEL GC-840	1000	0.25	900	--	DIRECT	--	--	373W	1	1,2,3,4,5
EF-3	STORAGE 104 MECH. 108	ACE-B MODEL 70C2B	150	0.25	1110	--	BELT	--	1/6	--	1	1,2,3,4,5
EF-4	MENS, WOMENS RR JAN. 208,209 & 210	ACE-B MODEL 70C2B	275	0.25	1355	--	BELT	--	1/6	--	1	1,2,3,4,5
EF-5	MENS RR 305 WOMENS RR 306	ACE-B MODEL 100C2B	525	0.25	1175	--	BELT	--	1/6	--	1	1,2,3,4,5
EF-6	MENS RR 146 WOMENS RR 145	ACE-B MODEL 120C2B	975	0.25	1070	--	BELT	--	1/6	--	1	1,2,3,4,5
EF-7	MENS RR 112 WOMENS RR 111	ACE-B MODEL 120C3B	1350	0.25	1435	--	BELT	--	1/4	--	1	1,2,3,4,5
EF-8	KELP SUPPORT 141	ACRU-B MODEL 100R2B	600	0.25	1380	--	BELT	--	1/6	--	1	1,2,3,4,5
EF-9	FISH OF OK. 135	ACRU-B MODEL 135R2B	975	0.25	830	--	BELT	--	1/6	--	1	1,2,3,4,5
EF-10	DIVERS 128	ACRU-B MODEL 135R2B	1200	0.25	965	--	BELT	--	1/6	--	1	1,2,3,4,5
EF-11	OCTOPUS 131	ACRU-B MODEL 165R2B	1500	0.25	750	--	BELT	--	1/6	--	1	1,2,3,4,5
EF-12	CORAL REEF SUPPORT 136	ACRU-B MODEL 195R3B	2800	0.25	685	--	BELT	--	1/4	--	1	1,2,3,4,5
EF-13	FISH OF OK. SUPPORT 135B	ACRU-B MODEL 210R4B	3400	0.25	670	--	BELT	--	1/3	--	1	1,2,3,4,5
EF-14	SUPPORT 156	COOK MODEL 20XLW3B	2800	0.125	780	--	BELT	--	1/4	--	1	1,2,3,4,5
EF-15A THRU 15C	SUPPORT AREAS 155,157 & 158	COOK MODEL 30XLW4B	5800	0.125	496	--	BELT	--	1/3	--	1	1,2,3,4,5

REMARKS:
1. PROVIDE PREMANUFACTURED INSULATED ROOF CURB.
2. PROVIDE BIRD SCREEN.
3. PROVIDE BACKDRAFT DAMPER.
4. PROVIDE ALTERNATE DRIVE IF REQUIRED.
5. PROVIDE NEMA 3 DISCONNECT.

GAS INFRARED HEATER SCHEDULE

MARK	LOCATION	MANUFACTURER & MODEL NO.	ELECTRICAL VOLTS	ELECTRICAL PH.	INPUT MBH	MOUNTING HEIGHT AFF	REMARKS
RH-1	S.T. SUPPORT 155	REZNOR TR 50-20	115	1	50	12'-0"	--
RH-2	S.T. SUPPORT 156	REZNOR TR 50-20	115	1	50	12'-0"	NOTE 1
RH-3	S.T. SUPPORT 158	REZNOR TR 50-20	115	1	50	12'-0"	NOTE 2
RH-4	S.T. SUPPORT 155	REZNOR RIHN 30	115	1	30	12'-0"	--

NOTES:
1. PROVIDE IN CONFIGURATION AS FOLLOWS: 10' TUBE SECTION/"L" TUBE/5' TUBE SECTION/"L" TUBE/5' TUBE SECTION.
2. PROVIDE IN CONFIGURATION AS FOLLOWS: 10' TUBE SECTION/"U" TUBE/10' TUBE SECTION.

GRILLE AND DIFFUSER SCHEDULE

MARK	MANUFACTURER AND MODEL NO.	SIZE	CFM	VEL. FPM	SP H_2O	THROW	NC MAX.	DAMPER	REMARKS
CD1	TITUS TMS	NOTE 1 4" NK	55-85	600-1000	0.026-0.072	2-4	10-20	OPPOSED BLADE	NOTE 2,3,4,
CD2	TITUS TMS	NOTE 1 6" NK	90-155	500-800	0.028-0.073	3-5	10-18	OPPOSED BLADE	NOTE 2,3,4,
CD3	TITUS TMS	24"x24" 8" NK	160-350	500-1000	0.025-0.101	3-7	10-26	OPPOSED BLADE	NOTE 2,3,4,
CD4	TITUS TMS	24"x24" 10" NK	355-410	650-750	0.042-0.060	5-7	14-20	OPPOSED BLADE	NOTE 2,3,4,
CD5	TITUS TMS	24"x24" 12" NK	500-600	650-750	0.044-0.060	7-9	19-22	OPPOSED BLADE	NOTE 2,3,4,
CD6	TITUS TMS	24"x24" 14" NK	800	750	0.061	11	25	OPPOSED BLADE	NOTE 2,3,4,
CD7	TITUS TDC	6"X6" 6" NK	25-130	300-350	0.040-0.223	3-7	10-29	OPPOSED BLADE	HOLD TO CENTER CEILING TILE NOTE 2,3,5
CD8	TITUS TDC	9"x9" 6" NK	170	700	0.131	7	25	OPPOSED BLADE	HOLD TO CENTER CEILING TILE NOTE 2,3,5
LD1	TITUS FLOW BAR JET FLOW	NOTE 8 1 SLOT	295-300	100	0.085	12	20	SLIDE BAR	NOTE 3,5,6,7,8
SWG1	TITUS 300RL	6"X6"	50	300	0.018	3	10	OPPOSED BLADE	NOTE 2,3,5,6
SWG2	TITUS 300RL	18"X10"	775	700	0.100	16	27	OPPOSED BLADE	NOTE 2,3,5,6
SWG3	TITUS SG-PS	6"X6"	40-90	150-400	0.026-0.184	5-11	10-28	OPPOSED BLADE	PROVIDE W/ SG-BG-SLV SLEEVE BARRIER GRILLE. NOTE 3,5,6,7
SWG4	TITUS SG-PS	9"X6"	100-130	300-350	0.103-0.141	12-14	22-26	OPPOSED BLADE	PROVIDE W/ SG-BG-SLV SLEEVE BARRIER GRILLE. NOTE 3,5,6,7
RAG1	TITUS CORE 50F	8"X6"	70-160	300-650	0.013-0.073	--	10-17	OPPOSED BLADE	NOTE 2,4
RAG2	TITUS CORE 50F	8"X8"	195-260	500-700	0.037-0.073	--	10-19	OPPOSED BLADE	NOTE 2,4
RAG3	TITUS CORE 50F	10"X10"	275-410	450-700	0.030-0.073	--	10-21	OPPOSED BLADE	NOTE 2,4
RAG4	TITUS CORE 50F	18"X12"	550-800	400-600	0.024-0.053	--	10-19	OPPOSED BLADE	NOTE 2,4
RAG5	TITUS CORE 50F	22"x22"	920-2000	300 650	0.013-0.060	--	10-25	OPPOSED BLADE	NOTE 2,4
EAG1	TITUS CORE 50F	8"x6"	75-150	300-600	0.013-0.053	--	10-12	OPPOSED BLADE	NOTE 2,4
EAG2	TITUS CORE 50F	8"X8"	200-300	550-700	0.044-0.073	--	10-17	OPPOSED BLADE	NOTE 2,4
EAG3	TITUS CORE 50F	12"x12"	400	500	0.037	--	12	OPPOSED BLADE	NOTE 2,4
EAG4	TITUS SG-PS	6"x6"	75	300	0.103	--	22	OPPOSED BLADE	NOTE 3,5,6,7

NOTES:
1. 24"x24" PANEL WITH 12"x12" FACE GRILLE.
2. FINISH TO BE #25 OFF-WHITE.
3. TRANSITION AS REQUIRED FROM DUCT SIZE SHOWN ON PLAN(S) TO NECK SIZE LISTED.
4. PROVIDE WITH LAY-IN CEILING TYPE FRAME.
5. PROVIDE WITH SURFACE MOUNT TYPE FRAME.
6. USE IN SIDEWALL APPLICATION.
7. FINISH TO BE BAKED ENAMEL, COLOR PER ARCHITECT.
8. RUN SLOT CONTINUOUS AS INDICATED ON PLANS (FIELD MEASURE). PROVIDE WITH 48" BOOT FOR ACTIVE SECTION. BLANK-OFF UNUSED PORTIONS OF DIFFUSER.

EQUIPMENT SCHEDULE

FAN COIL/AIR HANDLER SECTION MARK	MANUFACTURER MODEL NO.	CFM (SUPPLY/OSA)	HEAT TYPE	MBH (IN/OUT) OR KW	HP	V ϕ	COOLING COIL MANUFACTURER MODEL NO.	CAPACITY (MBH) THC/SHC	CONDENSING UNIT SECTION MARK	MANUFACTURER MODEL NO.	EER	V ϕ	REMARKS
FCU-1	LIEBERT DATAMATE DME020E-P-O	870 (HIGH) 75	ELEC. --	2.7 KW	1/4	208 1	INTEGRAL TO UNIT NOTE 4	16.0/ 15.0	CU-1	LIEBERT DMC020A-P	10.0	208 1	1,2,3
FN-1	CARRIER 58MXA100-20	1600/ 80	GAS --	100/94	3/4	115 1	CARRIER CK3BXA060024	58.3/ 38.0	CU-2	CARRIER 38EZA060-501	10.55	208 3	1,2,3,5

NOTES:
1. REFRIGERANT LINES -- MANUFACTURERS PRECHARGED LINE KIT OR TYPE AR COPPER SIZED AS RECOMMENDED BY MANUF..
2. CAPACITIES INDICATED ARE AT 80°/67° COIL EAT & 105° CONDENSER EAT CONDITIONS FOR EQUIPMENT COMBINATIONS.
3. PROVIDE CONDENSING UNITS WITH CRANK CASE HEATER, EVAP. FREEZE T-STAT, WINTER START CONTROL COMPRESSOR START ASSIST CAPACITOR & RELAY, & LOW AMBIENT CONTROLLER.
4. USE STANDARD DX COIL CONFIGURATION FOR LISTED UNIT.
5. PROVIDE W/ CONCENTRIC VENT DEVICE.

MAKE-UP AIR UNIT

MARK	AREA SERVED	MAKE & MODEL NO.	CFM SUPPLY/ & O/A	COOLING TOTAL COOLING	COOLING SENS. COOLING	HEATING MBH IN/OUT	ELECTRICAL HP	ELECTRICAL VOLT/PH	WEIGHT LBS	REMARKS
MAU-1	CORAL REEF SUPPORT 137A	POOL PAK CP-030	2800 100%	208.52	127.42	400/320	5.0	480/3	3800	1,2,3,4
MAU-2	SHARK TANK SUPPORT 156 & 1/3 SHARK TANK AREA	POOL PAK CP-055	5230 100%	400.30	237.70	800/640	7.5	480/3	6200	1,2,5
MAU-3	SHARK TANK SUPPORT 158 & 1/3 SHARK TANK AREA	POOL PAK CP-055	5510 100%	409.1	249.9	800/640	7.5	480/3	6200	1,2,6
MAU-4	SHARK TANK SUPPORT 155, STAFF 154/ 153 & 1/3 SHARK TANK AREA	POOL PAK CP-100	9075 100%	734.3	436.1	1,600/1,280	15.0	480/3	9000	1,2,7

NOTES:
1 PROVIDE WITH HOT GAS REHEAT COIL.
2 PROVIDE WITH THE FOLLOWING CONTROL SENSORS:
- A. OUTDOOR AIR DRY BULB TEMPERATURE.
- B. OUTDOOR AIR RELATIVE HUMIDITY
- C. SUPPLY AIR DRY BULB
- D. SUPPLY AIR RELATIVE HUMIDITY

3. PROVIDE WITH 12" ROOF CURB.
4. INTERLOCK UNIT OPERATION WITH EXHAUST FAN EF-12.
5. INTERLOCK UNIT OPERATION WITH EXHAUST FAN EF-14.
6. INTERLOCK UNIT OPERATION WITH EXHAUST FAN EF-15C.
7. INTERLOCK UNIT OPERATION WITH EXHAUST FANS EF-15A & EF-15B

ROOFTOP UNIT SCHEDULE

UNIT NO.	MANUFACTURER & MODEL NO.	CFM	HEATING TYPE	HEATING IN/OUT (M.B.H.) OR KW	COOLING (M.B.H.) THC	COOLING (M.B.H.) SHC	E.S.P. "H₂O"	CFM O.A.	H.P. FAN	UNIT VOLTS	UNIT PH.	REMARKS
RTU-1	CARRIER 48HJD008-6	2,700	GAS	125/102.5	86.230	60.666	1.0	495	--	480	3	A,B,D,E,F,G,H,J,K,L,M
RTU-2	CARRIER 48HJD008-6	3,000	GAS	125/102.5	87.470	62.620	1.0	535	--	480	3	A,B,D,E,F,G,H,J,K,L,M
RTU-3	CARRIER 48HJD017Z-6	4,580	GAS	275/222.8	156.500	81.440	1.0	900	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-4	CARRIER 48HJD015Z-6	4,500	GAS	125/102.5	121.760	71.060	1.0	900	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-5	CARRIER 48HJD012-6	3,200	GAS	180/120	113.590	76.340	1.0	740	--	480	3	A,B,D,E,F,G,H,J,K,L,M
RTU-6	CARRIER 48HJD025-6	6,000	GAS	275/222.8	229.000	149.400	1.0	1,555	--	480	3	A,B,D,E,F,G,H,J,K,L,M
RTU-7	CARRIER 48HJD025-6	6,000	GAS	275/222.8	229.000	149.400	1.0	2,035	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-8	CARRIER 48HJD025Z-6	6,500	GAS	275/222.8	211.430	117.630	1.0	1,515	--	480	3	A,B,D,E,F,G,H,J,K,L,M
RTU-9	CARRIER 48HJD025Z-6	6,500	GAS	275/222.8	211.430	117.630	1.0	1,500	--	480	3	A,B,D,E,F,G,H,J,K,L,M
RTU-10	CARRIER 48HJD015-6	4,800	GAS	230/186.3	131.330	89.080	1.0	795	--	480	3	A,B,D,E,F,G,H,J,K,L,M
RTU-11	CARRIER 48HJD025Z-6	6,500	GAS	275/222.8	211.430	117.630	1.0	1,370	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-12	CARRIER 48HJD025Z-6	6,500	GAS	275/222.8	211.430	117.630	1.0	1,500	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-13	CARRIER 48HJD025Z-6	6,000	GAS	275/222.8	207.210	111.780	1.0	1,325	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-14	CARRIER 48HJD017Z-6	4,580	GAS	275/222.8	156.500	81.400	1.0	200	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-15	CARRIER 48HJD008-6	3,000	GAS	125/102.5	87.470	62.620	1.0	475	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-16	CARRIER 48HJD025Z-6	6,500	GAS	275/222.8	211.430	117.630	1.0	1,125	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-17	CARRIER 48HJD025Z-6	6,000	GAS	275/222.8	207.210	111.780	1.0	1,125	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-18	CARRIER 48HJD008-6	2,400	GAS	125/102.5	101.000	77.300	1.0	900	--	480	3	A,B,C,D,E,F,G,H,J,K,L
RTU-19	CARRIER 48HJD025Z-6	6,000	GAS	275/222.8	207.210	111.780	1.0	1,050	--	480	3	A,B,C,D,E,F,G,H,J,K,L

REMARKS
- A. COOLING CAPACITY IS BASED ON 100°F DB/79°F WB EVAPORATOR COIL INDOOR ENTERING AIR TEMPERATURE AND 105° F DB CONDENSER ENTERING AIR TEMPERATURE. ENTRY MIXED AIR TEMPERATURE APPROXIMATE 77°.
- B. 14" ROOF CURBS ARE TO BE FURNISHED BY DIVISION 15 CONTRACTOR AND INSTALLED BY ROOFING CONTRACTOR. BOTTOM OF CURB SLOPE TO MATCH ROOF SLOPE.
- C. PROVIDE THREE-POSITION MOTORIZED DAMPER AND "MOISTUREMISER" REHEAT OPTION. SET MAXIMUM OUTSIDE AIR TO THOSE SCHEDULED ABOVE.
- D. PROVIDE FACTORY INSTALLED, UNIT MOUNTED, NON-FUSED DISCONNECTS.
- E. DUCT SMOKE DETECTORS TO BE INSTALLED IN RETURN AIR STREAM PER BUILDING CODE FOR UNITS THAT SUPPLY AIR 2000 CFM OR GREATER.
- F. BELT DRIVE, VERTICAL DISCHARGE.
- G. UNITS SHALL BE FURNISHED WITH FACTORY INSTALLED NON-POWERED WEATHER PROTECTED CONVENIENCE RECEPTACLES. DIVISION 16 TO PROVIDE LINE POWER FOR RTU RECEPTACLES.
- H. ALL DIVISION 15 MOTORS AND MOTOR STARTERS FOR EQUIPMENT SHALL BE PROVIDED BY THIS CONTRACTOR . DIVISION 16 CONTRACTOR TO MAKE FINAL CONNECTIONS.
- J. DIV. 15 CONTRACTOR SHALL FURNISH AND INSTALL ALL MANUALLY ADJUSTABLE THERMOSTAT CONTROLS, SUB-BASE, LOCKING COVER AND CONTROL WIRING FOR HVAC EQUIPMENT.
- K. PROVIDE, HAIL GUARD, TIME GUARD II COMPRESSOR CONTROLS, HIGH & LOW HEAD PRESSURE CONTROLS, LOW AMBIENT KITS, WINTER START TIME DELAY RELAY & THRU-THE-BOTTOM SERVICE CONNECTIONS.
- L. AIR FILTERS: FARR 30/30 OR EQUAL DISPOSABLE 2" THICK GLASS FIBER FILTER.
- M. PROVIDE INTEGRATED ENTHALPY ECONOMIZER.

MECHANICAL SYMBOLS LEGEND

HEATING AND AIR CONDITIONING

SYMBOL SINGLE LINE	SYMBOL DOUBLE LINE	DESCRIPTION
		EXHAUST, RETURN OR OUTSIDE AIR DUCT UP
		SUPPLY AIR DUCT UP
		EXHAUST, RETURN OR OUTSIDE AIR DUCT DOWN
		SUPPLY AIR DUCT DOWN
		DUCT TRANSITION
		RECTANGULAR ELBOW
		RADIUS ELBOW (CENTERLINE = DUCT WIDTH)
		BRANCH TAKE-OFF
20/12	20/12	DUCT SIZE, FIRST FIGURE IS SIDE SHOWN, NET INSIDE DIMENSION. SINGLE DIMENSION DENOTES ROUND DUCT.
		FLEXIBLE CONNECTION
R	R	DUCT CHANGE OF ELEVATION R = RISE, D = DROP
		VOLUME CONTROL DAMPER, BALANCING DAMPER
M	M	MOTORIZED DAMPER
		GRILLE OR REGISTER IN SIDE OF DUCT
FD	FD	FIRE DAMPER, SMOKE DAMPER, COMBINATION SMOKE/FIRE DAMPER FD = FIRE DAMPER SD = SMOKE DAMPER S/FD = SMOKE/FIRE DAMPER
		SUPPLY DIFFUSER, GRILLE, OR REGISTER. (4-WAY THROW UNLESS OTHERWISE NOTED)
		EXHAUST OR RETURN GRILLE OR REGISTER
X,Y	X,Y	SPLITTER DAMPER THROAT SIZES PROPORTIONAL TO AIR FLOWS
S	S	DUCT MOUNTED SMOKE DETECTOR
		FLEXIBLE DUCT (MAXIMUM LENGTH 6')
SA		SUPPLY AIR DUCT
RA		RETURN AIR DUCT
EA		EXHAUST AIR DUCT
OA		OUTSIDE AIR DUCT
		DOOR UNDERCUT
		HVAC EQUIPMENT: AHU: AIR HANDLING UNIT RTU: ROOF TOP UNIT FCU: FAN COIL UNIT MAU: MAKE-UP AIR UNIT EF: EXHAUST FAN RH: RADIANT HEATER
T		TEMPERATURE SENSOR
T		THERMOSTAT +48" AFF (UNLESS OTHERWISE NOTED)

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA

00038A

1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • fax (918) 599-0665
gary sparks companies

Consulting Engineers
Mechanical / Electrical / Energy Consultants, Inc.
1437 South Boulder Suite 1000
Tulsa, Oklahoma 74119-3606
918 583-3543 | Fax 918 592-5361

20-022.00

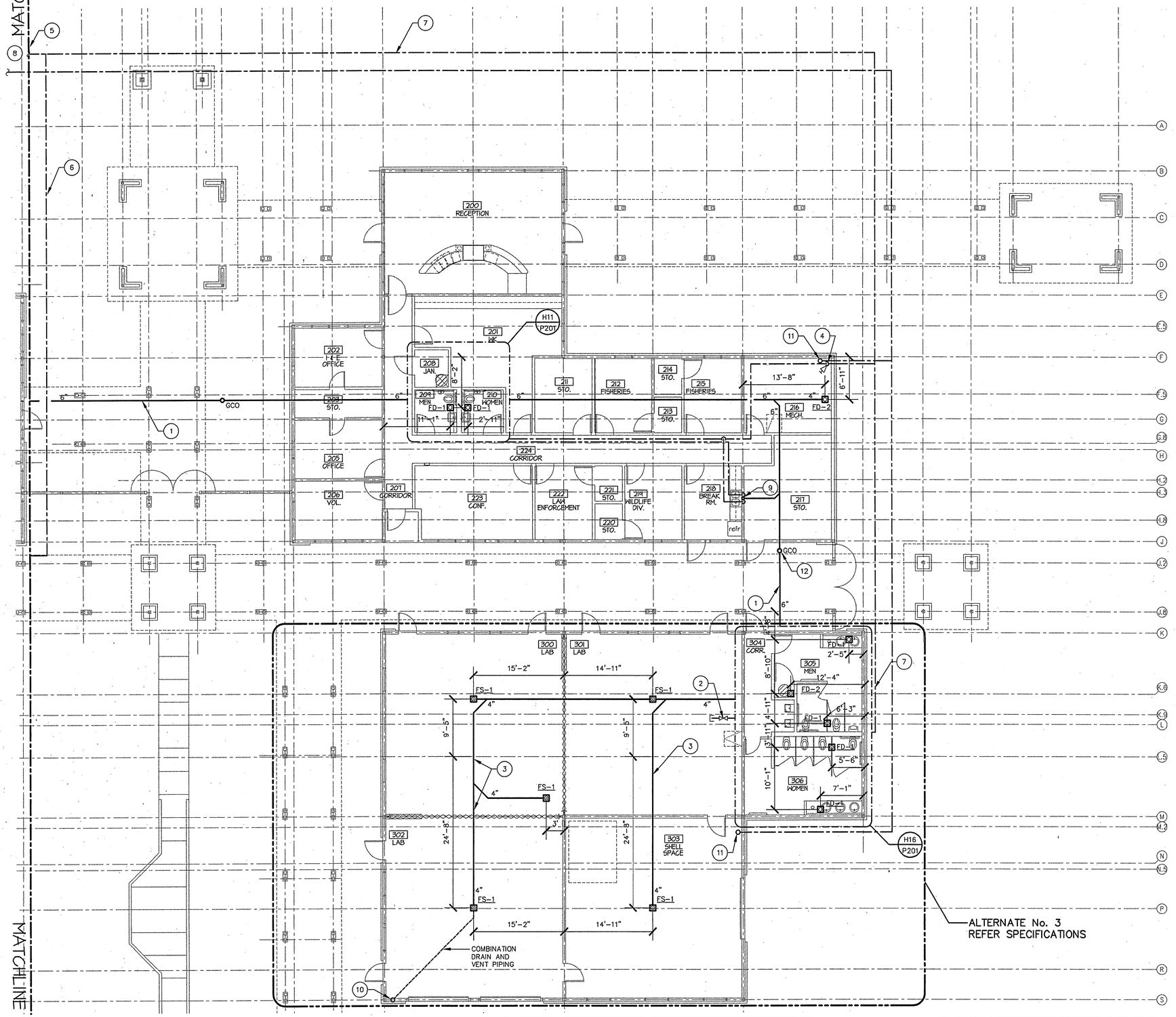
MECHANICAL LEGEND AND SCHEDULES

Drawn by: TW/JD/MG
Approved by: JD/JS Issue Date: 4/3/2001
CONSTRUCTION DOCUMENTS

M401

REGISTERED PROFESSIONAL ENGINEER — JOHN D. SPARKS — 18706 — 4/3/01 — OKLAHOMA

J:\user\sparks\aqua2002\VOL_P104.dwg Mar 30, 2001 - 3:59pm



KEYNOTES

1 6" SANITARY BELOW SLAB.

2 2" DOMESTIC COLD WATER PIPING, ROUTED BELOW ROOF, VALVED & CAPPED FOR EXTENSION BY OTHERS.

3 4" SANITARY BELOW SLAB.

4 2" DOMESTIC COLD WATER RISER WITH SHUT-OFF VALVE IN VERTICAL.

5 4" DOMESTIC COLD WATER MAIN BELOW GRADE.

6 3" DOMESTIC COLD WATER BRANCH BELOW GRADE.

7 2" DOMESTIC COLD WATER BRANCH BELOW GRADE.

8 REFER CIVIL DRAWINGS FOR CONTINUATION.

9 1/2" COLD WATER/HOT WATER, 2" WASTE & 1 1/2" VENT FOR SINK (SK-1). ROUTE 1 1/2" VENT UP TO ROOF AND TERMINATE WITH 2" VENT-THRU-ROOF (VTR).

10 OFFSET VENT MINIMUM 10'-0" FROM EDGE OF BUILDING.

11 FIRE SPRINKLER RISER. REFER FIRE PROTECTION CONTRACTOR DRAWINGS FOR FURTHER INFORMATION.

12 UNDERGROUND SANITARY SEWER LINE AND GRADE CLEANOUT SHALL BE PART OF BASE BID. INVERT ELEVATION SHALL BE SET TO ACCOMMODATE CONSTRUCTION OF ALTERNATE #3.

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO START OF WORK.
2. ALL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
3. CONTRACTOR SHALL PROVIDE TRAP SEAL PRIMERS. FIELD VERIFY LOCATION OF TRAP PRIMER VALVE IN ADEQUATELY SIZED LINE WITH CONSISTENT USAGE. PLACE VALVE IN ACCESSIBLE LOCATION FOR MAINTENANCE.
4. REFER TO MANUFACTURER EQUIPMENT CUT-SHEETS FOR FIXTURE MOUNTING DIMENSIONS.
5. SLOPE SANITARY LINES AS FOLLOWS:
   4" OR LESS------1/4" PER FOOT (MIN.)
   GREATER THAN 4"--1/8" PER FOOT (MIN.)

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE 00038A
PROJECT #4
JENKS, OKLAHOMA

1336 east 15th street
tulsa, oklahoma 74120
(918) 592-0229 • FAX: (918) 599-0465
gary sparks companies

Consulting Engineers
Mechanical | Electrical | Energy Consultants, Inc.
1437 South Boulder Suite 1000
Tulsa, Oklahoma 74119-3606
918 592-3643 | Fax 918 592-3991

20-022.00

PLUMBING PLAN
(NORTH SECTION)

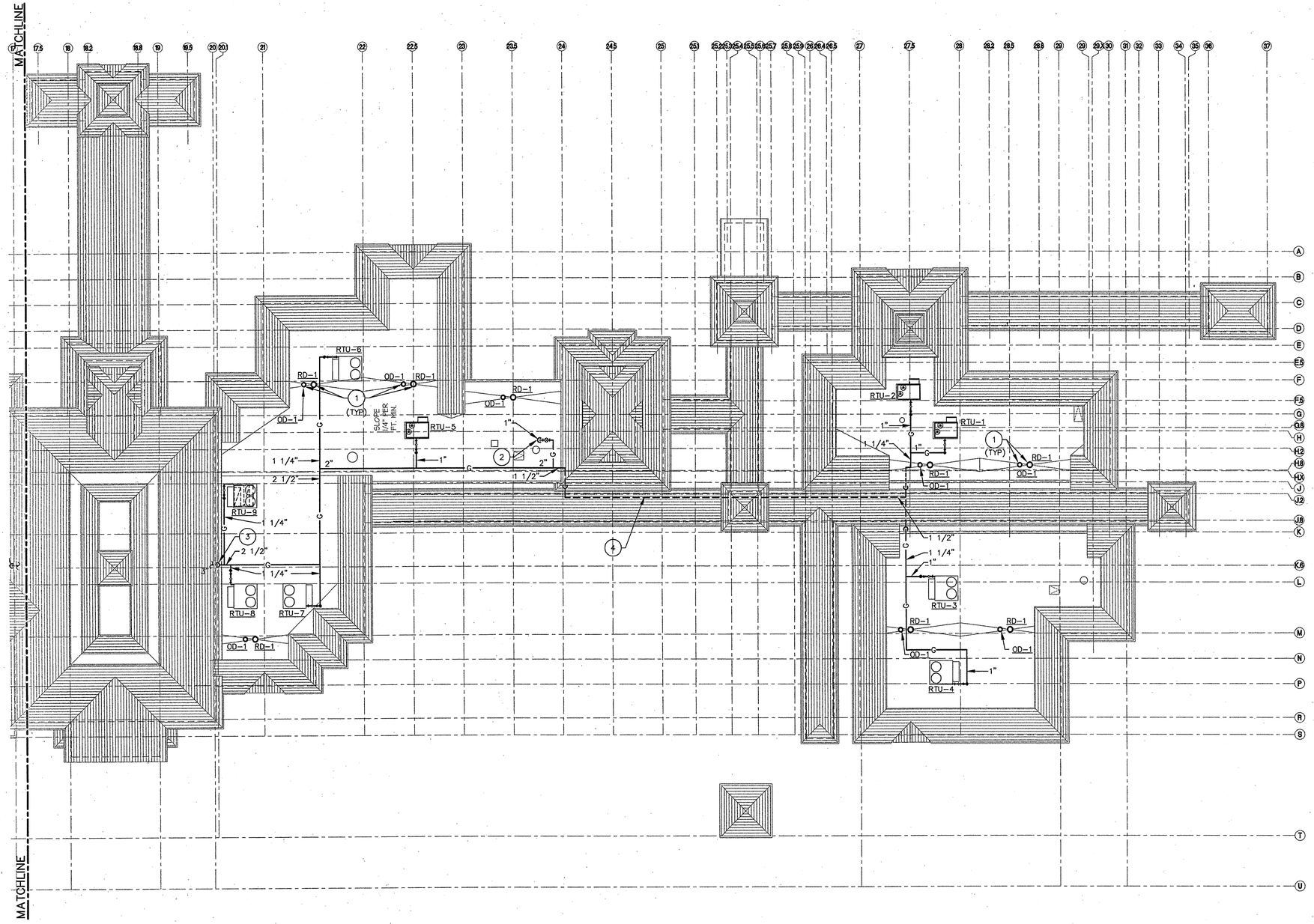
Drawn by: TW/JD/MG
Approved by: JD/JS Issue Date: 4/3/2001
CONSTRUCTION DOCUMENTS

REGISTERED PROFESSIONAL ENGINEER 18706 OKLAHOMA

P104

A1 **PARTIAL PLUMBING PLAN (NORTH SECTION)**
1/8" = 1'-0"

J:\Users\sparks\Aqua2002\A06_Proof.dwg Mar 30, 2001 - 3:56pm

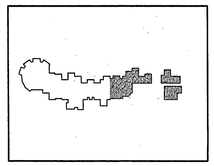


KEYNOTES

1. 4" ROOF DRAIN & 4" EMERGENCY OVERFLOW DRAIN. REFER A1/P110 FOR PIPE ROUTING BELOW ROOF.
2. 1" GAS DOWN TO WATER HEATER (WH-4) BELOW (REFER H1/P201).
3. REFER A1/P103 FOR CONTINUATION.
4. GAS MAIN ROUTED AS REQUIRED THRU CANOPY STRUCTURE, TIGHT TO BOTTOM OF ROOF.

GENERAL NOTES

1. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO START OF WORK.
2. ALL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
3. CONTRACTOR SHALL PROVIDE TRAP SEAL PRIMERS. FIELD VERIFY LOCATION OF TRAP PRIMER VALVE IN ADEQUATELY SIZED LINE WITH CONSISTENT USAGE. PLACE VALVE IN ACCESSIBLE LOCATION FOR MAINTENANCE.
4. REFER TO MANUFACTURER EQUIPMENT CUT-SHEETS FOR FIXTURE MOUNTING DIMENSIONS.
5. SLOPE SANITARY LINES AS FOLLOWS:
   4" OR LESS------1/4" PER FOOT (MIN.)
   GREATER THAN 4"--1/8" PER FOOT (MIN.)
6. REFER TO STRUCTURAL DRAWINGS TO COORDINATE LOCATION(S) OF MECHANICAL EQUIPMENT AND COORDINATE AS REQUIRED.



No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE 00038A
PROJECT #4
JENKS, OKLAHOMA

1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • FAX: (918) 599-0465
gary sparks companies

Consulting Engineers
Mechanical | Electrical | Energy Consultants, Inc.
1437 South Boulder Suite 1000
Tulsa, Oklahoma 74119-3606
918 592-5643 | Fax 918 592-5361

20-022.00

PLUMBING ROOF PLAN
(NORTH SECTION)

Drawn by: TW/JD/MG
Approved by: JD/JS Issue Date: 4/3/2001
CONSTRUCTION DOCUMENTS

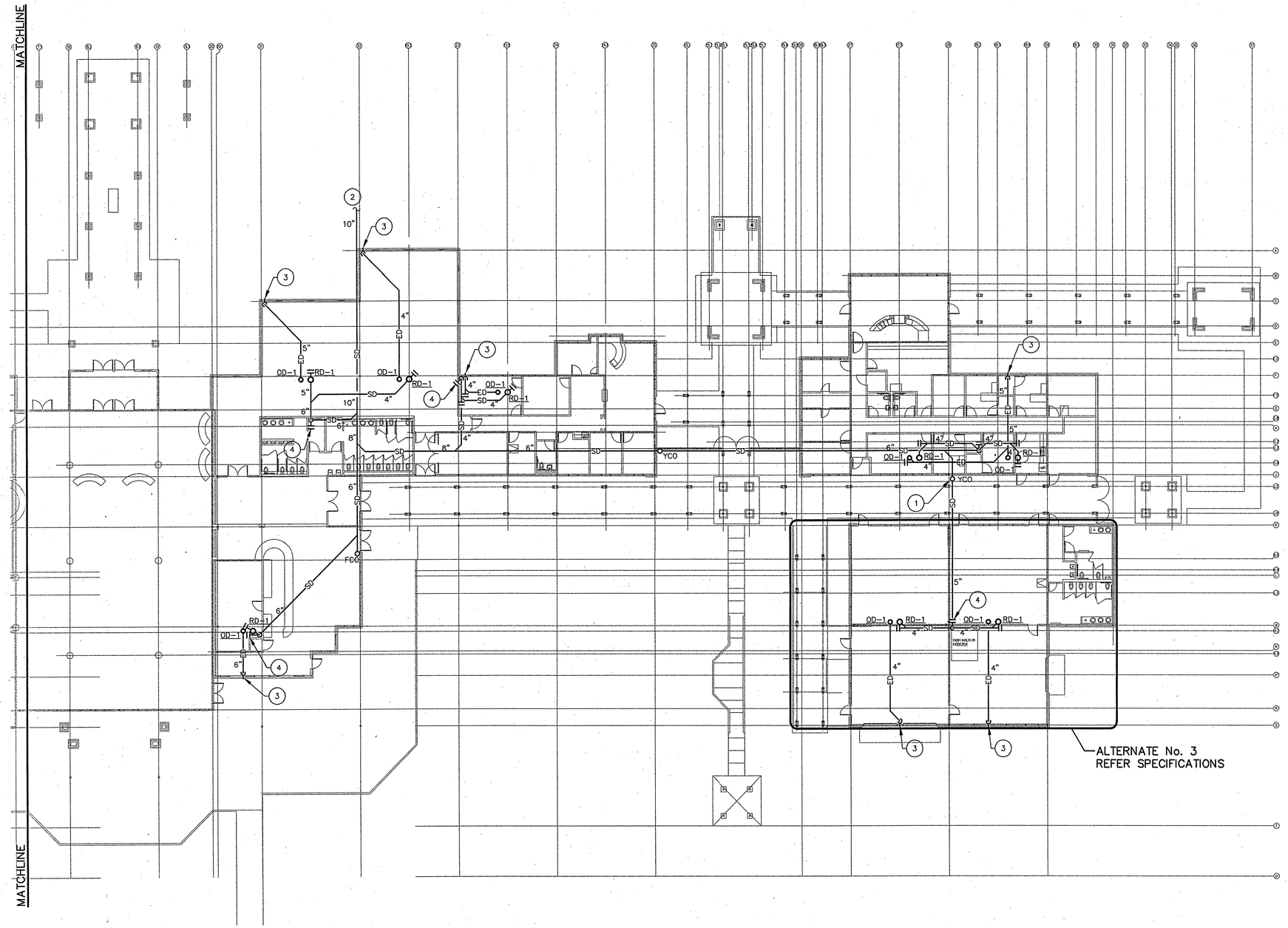
REGISTERED PROFESSIONAL ENGINEER
JAMES R. SPARKS
16706
OKLAHOMA

P106

A1 | **PLUMBING ROOF PLAN (NORTH SECTION)**
1/16" = 1'-0"

NORTH

J:\Users\Sparks\Aqua\B0022\00_P110.dwg Mar 30, 2001 - 3:53pm



KEYNOTES

1 UNDERGROUND STORM DRAIN LINE AND YARD CLEANOUT SHALL BE PART OF BASE BID. INVERT ELEVATION SHALL BE SET TO ACCOMMODATE CONSTRUCTION OF ALTERNATE #3

2 REFER CIVIL DRAWINGS FOR CONTINUATION.

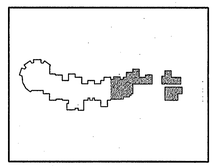
3 EMERGENCY OVERFLOW STORM DRAIN LEADER ROUTED DOWN INSIDE FACE OF WALL AND TERMINATED THRE WALL @ 12" AFF. PROVIDE A BRONZE DRAIN SPOUT AND SPLASH BLOCK.

4 CLEAN-OUT @ BASE OF STORM DRAIN LEADER RISER. PROVIDE ACCESS PANELS WHERE REQ'D.

5

GENERAL NOTES.

1. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO START OF WORK.
2. ALL WORK SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES.
3. CONTRACTOR SHALL PROVIDE TRAP SEAL PRIMERS. FIELD VERIFY LOCATION OF TRAP PRIMER VALVE IN ADEQUATELY SIZED LINE WITH CONSISTENT USAGE. PLACE VALVE IN ACCESSIBLE LOCATION FOR MAINTENANCE.
4. REFER TO MANUFACTURER EQUIPMENT CUT-SHEETS FOR FIXTURE MOUNTING DIMENSIONS.
5. SLOPE SANITARY LINES AS FOLLOWS:
   4" OR LESS------1/4" PER FOOT (MIN.)
   GREATER THAN 4"--1/8" PER FOOT (MIN.)



No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE 00038A
PROJECT #4
JENKS, OKLAHOMA

1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • fax (918) 599-0665

gary sparks companies

Consulting Engineers
Mechanical | Electrical | Energy Consultants, Inc.
1437 South Boulder Suite 1000
Tulsa, Oklahoma 74119-3606
918 582-3543 | Fax 918 582-5361

20-022.00

ROOF DRAIN PIPING PLAN
(NORTH SECTION)

Drawn by: TW/JD/MG
Approved by: JD/JS Issue Date: 4/3/2001

CONSTRUCTION DOCUMENTS

P110

REGISTERED PROFESSIONAL ENGINEER
JEFFREY P. SPARKS
18706
4/3/01
OKLAHOMA

A1 **ROOF DRAIN PIPING PLAN (NORTH SECTION)**
1/16" = 1'-0"
NORTH

C:\Users\jsparks\Acad2002\00_P401.dwg Mar 30, 2001 - 4:08pm

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	TYPE	SIZE	MANUFACTURER & MODEL NO.	COLOR	CARRIER	CONNECTIONS TRAP	SAN	VENT	CW	HW	REMARKS
WC-1	WATER CLOSET	FLR MTD F. VALVE	STANDARD ELONG'D	AMERICAN STANDARD MADERA EL 1.6 2234.015	WHITE	--	3"	4"	2"	1 1/2"	--	PROVIDE W/ WHITE OPEN FRONT ELONGATED SEAT & SLOAN-ROYAL 111 FLUSH VALVE (1.6 GAL. PER FLUSH). NOTE 1,2,10
WC-2	H.C. WATER CLOSET	FLR MTD F. VALVE	H.C. ELONG'D	AMERICAN STANDARD MADERA EL 1.6 2305.100	WHITE	--	3"	4"	2"	1 1/2"	--	PROVIDE W/ WHITE OPEN FRONT ELONGATED SEAT & SLOAN-ROYAL 111 FLUSH VALVE (1.6 GAL. PER FLUSH). NOTE 1,2,10
UR-1	URINAL	WALL HUNG	--	AMERICAN STANDARD WASHBROOK 1.0 6501.010	WHITE	WADE W-400	2"	3"	1 1/2"	1"	--	PROVIDE SLOAN ROYAL 186-1 FLUSH VALVE (1.0 GAL. PER FLUSH) NOTE 11
LAV-1	LAVATORY	COUNTER MTD	OVAL 20"x17"	AMERICAN STANDARD AQUALYN 0476.020	WHITE	--	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	PROVIDE W/ AMERICAN STANDARD HERITAGE 5402.000 FAUCET W/ 0000.142H LEVER HANDLES AND GRID DRAIN. NOTES 2,3
LAV-2	H.C. LAVATORY	COUNTER MTD	OVAL 20"x17"	AMERICAN STANDARD AQUALYN 0476.020	WHITE	--	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	PROVIDE W/ AMERICAN STANDARD HERITAGE 7402.000 FAUCET W/ 0000.172H WRIST BLADE HANDLES AND GRID DRAIN. NOTES 2,4,5
LAV-3	H.C. LAVATORY	WALL HUNG	27"X20"	AMERICAN STANDARD WUL 9140.021	WHITE	NOTE #10	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	PROVIDE W/ AMERICAN STANDARD HERITAGE 7490.000 FAUCET W/ 0000.172H WRIST BLADE HANDLES AND GRID DRAIN. NOTES 2,4,5
SK-1	SINK	DOUBLE COMP'T	33"X22"	ELKAY LR-3322-3 HOLE	STAIN. STEEL	--	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	PROVIDE W/ ELKAY LK-2437-BH FAUCET AND LK-18 GRID DRAIN. NOTES 2,6
SK-2	SINK	BAR SINK	19"X18"	ELKAY LR-1918-3 HOLE	STAIN. STEEL	--	1 1/4"	1 1/2"	1 1/4"	1/2"	1/2"	PROVIDE W/ ELKAY LK-2223 FAUCET AND LK-18 GRID DRAIN NOTES 2,6
MS-1	MOP SINK	FLOOR MTD	24"X24"	POWERS-FIAT MSB-2424	TERR.	--	3"	3"	1 1/2"	1/2"	1/2"	PROVIDE W/ 830-AA WALL MTD FAUCET, 1453-BB GRID STRAINER, STAINER UNIT
SH-1	SHOWER FITTINGS	MIXING TYPE	--	SYMMONS S-96-1	SS	--	--	--		1/2"	1/2"	PROVIDE W/ ALL ACCESSORIES PER MANUFACTURERS RECOMMENDATIONS. NOTE 11
SD-1	SHOWER DRAIN	--	6" DIA.	ZURN Z-415-P-Y	--	--	2"	2"	1 1/2"	--	--	ADJUSTABLE DURA-COATED CAST IRON BODY W/ POLISHED NICKEL BRONZE STRAINER. NOTES 9,10
EDF-1	DRINKING FOUNTAIN	WALL MTD	--	ELKAY EBFA-8	PER ARCH.	WADE W-400	3"	3"	1 1/2"	1/2"	1/2"	NOTES 2,3
EDF-2	DRINKING FOUNTAIN	WALL H.C.	--	ELKAY EBFA-8	PER ARCH.	WADE W-400	3"	3"	1 1/2"	1/2"	1/2"	NOTES 2,3,7
HB-1	HOSE BIBB	KEY OPER.	--	WOODFORD Y24	CHROME	--	--	--	--	1/2"	--	UNIT TO BE ANTI-SIPHON VACUUM BREAKER PROTECTED TYPE ANTI-SIPHONING/BACKFLOW PREVENTION DEVICE.
HB-2	H/C HOSE BIBB	WALL MTD	--	LEONARD SW-75-EVB	CHROME	--	--	--	--	3/4"	3/4"	PROVIDE W/ INTEGRAL VACUUM BRKR, S.S. HOSE RACK AND N-2-SS NOZZLE AND HDH-25 HEAVY DUTY HOSE
FPWH	WALL HYDRANT	FREEZE PROOF	--	ZURN Z-1320	CHROME	--	--	--	--	3/4"	--	BOX TYPE W/ LOCKING COVER, AUTOMATIC DRAINING & INTEGRAL ANTI-SIPHONING/BACKFLOW PREVENTION DEVICE.
FD-1	FLOOR DRAIN	--	6" DIA.	ZURN Z-415 SERIES	--	--	2"	2"	1 1/2"	--	--	ADJUSTABLE DURA-COATED CAST IRON BODY W/ POLISHED NICKEL BRONZE STRAINER. NOTES 8,9
FD-2	FLOOR DRAIN	--	9" DIA.	ZURN Z-415 SERIES	--	--	3"	3"	2"	--	--	ADJUSTABLE DURA-COATED CAST IRON BODY W/ POLISHED NICKEL BRONZE STRAINER. NOTES 9,10
FS-1	FLOOR SINK	--	12" SQ.	ZURN Z-1900-P-33	--	--	3"	3"	2"	--	--	ADJUSTABLE WHITE PORCELAIN ENAMEL COATED CAST IRON BODY AND GRATE. NOTES 9,10
FS-2	FLOOR SINK	--	28"X20"	ZURN Z-1995-P-3-LD	--	--	6"	6"	3"	--	--	ADJUSTABLE WHITE PORCELAIN ENAMEL COATED CAST IRON BODY AND GRATE. NOTES 9,10
RD-1	ROOF DRAIN	--	4" DIA.	ZURN Z-100-C-R-84	--	--	--	--	--	--	--	--
ED-1	EMERGENCY ROOF DRAIN	--	4" DIA.	ZURN Z-100-C-R-W3-84	--	--	--	--	--	--	--	--

NOTES:
1. PROVIDE WITH BOLT CAPS.
2. PROVIDE WITH CHROME ANGLE STOP(S) AND SUPPLY(S).
3. PROVIDE 1 1/4" CHROME "P" TRAP.
4. PROVIDE 1 1/4" OFF-SET TAIL PIECE.
5. PROVIDE HANDI-CAP PIPE INSULATION KIT ON EXPOSED COLD WATER, HOT WATER AND WASTE PIPING, EQUAL TO TRUEBRO LAVGUARD #101 WITH #105 OFF-SET TAIL PIECE.
6. PROVDE 1 1/2" CHROME "P" TRAP.
7. MOUNT AT HANDICAPPED HEIGHT.
8. PROVIDE WITH DEEP SEAL "P" TRAP.
9. PROVIDE WITH TRAP PRIMER SYSTEM. INSTALL VALVE IN NEAREST PROPERLY SIZED COLD WATER LINE OF CONSISTENT USAGE. PROVIDE ACCESS TO VALVES FOR MAINTENANCE.
10. REFER SPECIFICATION SECTION 15450 FOR FURTHER TRIM INFORMATION.
11. MOUNT SHOWER HEAD @ 72" ABOVE SHOWER FLOOR.
12. REFER PLUMBING PLANS FOR RIGHT OR LEFT HAND CONFIGURATIONS.

ELECTRIC WATER HEATER SCHEDULE

MARK	MANFACTURER MODEL NO.	LOCATION	TANK SIZE GAL.	ELECTRIC HEATER V/PH/HZ TOTAL KW	ELECTRIC HEATER No. ELEMENTS KW/ELEMENT	DELIVERY TEMP.	GPH	REMARKS
WH-1A THRU WH-1F	A.O. SMITH DEL-30 UL, ASHRAE 90-75	JAN. 148B, K.C. 141, C.R. SUPP. 138, F.O.O. SUPP. 135B JAN. 117B, JAN. 208	30 GAL.	480/3/60	2	105 DEG.	24	A
				6.3 KW	3.0/3.0			
WH-2A WH-2B	A.O. SMITH DEL-40 UL, ASHRAE 90-75	LAB 159, MENS 305	40 GAL.	480/3/60	2	105 DEG.	36	A
				9.4 KW	4.5/4.5			

REMARKS:
A. RECOVERY RATE INDICATED IS FOR 100 F° RISE.

GAS WATER HEATER SCHEDULE

MARK	MANFACTURER MODEL NO.	LOCATION	TANK SIZE GAL.	MBH INPUT/OUTPUT	GPH OUTPUT @ 100 F	DELIVERY TEMP.	REMARKS
WH-3	A.O. SMITH BTH-120 UL, ASHRAE 90-75	JAN. 153	60 GAL.	125/117.5	142 GAL.	105 DEG.	A
WH-4	A.O. SMITH BTH-150 UL, ASHRAE 90-75	MECH. 108	100 GAL.	150/141	171 GAL.	105 DEG.	A

REMARKS:
A. RECOVERY RATE INDICATED IS FOR 100 F° RISE.

PUMP SCHEDULE

MARK	SERVICE	LOCATION	MANUFACTURER & MODEL NO.	PUMP GPM	PUMP HEAD	PUMP EFF.	MOTOR HP	MOTOR VOLTS	MOTOR PH.	REMARKS
RP-1	HOT WATER RECIRC. PUMP	P.S. MECH RM WH-1	GRUNDFOS UPS 15-42F (SPD. 2)	5	10	55%	1/25	120	1	-- REFER A10/P301
RP-2	HOT WATER RECIRC. PUMP	C.H. MECH RM WH-2	GRUNDFOS UP 26-64F	10	15	55%	1/12	120	1	-- REFER A10/P301

NOTES:

WATER HAMMER ARRESTORS

MARK	FIXTURE	SIZE	MANUFACTURER AND MODEL NO.	REMARKS
WHA-A	WATER HAMMER ARRESTOR	#1Ø0	ZURN Z-17Ø0	--
WHA-B	WATER HAMMER ARRESTOR	#2Ø0	ZURN Z-17Ø0	--

NOTES:

PLUMBING SYMBOLS LEGEND

PLUMBING

SYMBOL	DESCRIPTION
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
G	NATURAL GAS
SAN	SANITARY WASTE
	SANITARY VENT
SD	STORM DRAIN
W	DOMESTIC WATER (SITE PLANS)
A	COMPRESSED AIR
RSW	RECLAIM SALT WATER
SW	SALT WATER
VTR	VENT THRU ROOF
	PLUMBING FIXTURE OR EQUIPMENT
	WC - WATER CLOSET UR - URINAL LAV - LAVATORY EWC - ELECTRIC WATER COOLER WH - WATER HEATER TD - TRENCH DRAIN
	FLOOR DRAIN (FD) FLOOR SINK (FS)
	HOSE BIBB (HB)
	FREEZE PROOF WALL HYDRANT (FPWH)
	WALL CLEANOUT (WCO)
	CLEANOUT (CO)
	FLOOR CLEANOUT (FCO)
	2-WAY CLEANOUT

VALVES, ACCESSORIES, PIPING (CONT.)

SYMBOL	DESCRIPTION
	VALVE IN VERTICAL
	VACUUM RELIEF VALVE
M	WATER METER
	TEE UP
	TEE DOWN
	ELBOW UP
	ELBOW DOWN
	CAP
	REDUCER, CONCENTRIC
	REDUCER, ECCENTRIC, STRAIGHT INVERT
	REDUCER, ECCENTRIC, STRAIGHT CROWN
	UNION OR FLANGED CONNECTION
(EX)	EXISTING LINE
	CONNECT TO EXISTING
	SHUT-OFF, BLOCKING, OR ISOLATION VALVE
	BALANCING, THROTTLING, OR QUICKFILL VALVE
	PRESSURE OR PRESSURE (PR, PT) TEMPERATURE RELIEF VALVE
	BACK FLOW PREVENTER
	GAS PRESSURE REGULATOR

FIRE PROTECTION

SYMBOL	DESCRIPTION
F	FIRE PROTECTION SUPPLY
	FIRE DEPARTMENT CONNECTION
	PENDANT HEAD SPRINKLER
	UPRIGHT HEAD SPRINKLER
	SHUT-OFF VALVE WITH SUPERVISORY SWITCH

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE 00038A
PROJECT #4
JENKS, OKLAHOMA

1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • fax: (918) 599-0665
gary sparks companies

Consulting Engineers
Mechanical | Electrical | Energy Consultants, Inc.
1437 South Boulder Suite 1000
Tulsa, Oklahoma 74119-3609
918 582-3843 | Fax 918 582-5361

20-022.00

PLUMBING LEGEND & SCHEDULES

Drawn by: TW/JD/MG
Approved by: JD/JS Issue Date: 4/3/2001

CONSTRUCTION DOCUMENTS

P401

REGISTERED PROFESSIONAL ENGINEER ROBERT P. TIPS 19706 OKLAHOMA

J:\user\plans\aqua00022\00_E104.dwg Mar 30, 2001 - 9:35a

MATCHLINE

ALTERNATE No. 1
REFER SPECS

ALTERNATE No. 1
REFER SPECS

ALTERNATE No. 2
REFER SPECS

ALTERNATE No. 3
REFER SPECS

LW-37
HW-3 (PART)
LW-16
LW-39
LW-41
HW-3
HW-3 (PART)
L3-9 (PART)
L3-3(6)
HA-19
EH-3 (PART)
EH-5
HW-7 (PART)
HX-1
HX-3
HX-5
HX
HW-1
HW
LW
DR3
L3
HD
A1 E3Ø1 TYP
HIGH WALK-IN FREEZER
ELECTRIC PANELS
E#

KEYNOTES

1 MOUNT 1'-Ø" FROM TOP OF DOOR FRAME TO BOTTOM OF FIXTURE.

2 MOUNT TRACK ON CEILING.

3 MOUNT 1'-6" ABOVE DOOR.

4 PROVIDE A SWITCH FOR EACH CIRCUIT.

5 PROVIDE FIXTURE IN BASE BID. DELETE IF ALTERNATE IS ACCEPTED.

6 CONNECT TO EF-4 PER DETAIL E7/E3Ø1.

7 CONNECT TO EF-5 PER DETAIL E7/E3Ø1.

8 CONNECT TO EF-3 SIMILAR TO DETAIL E7/E3Ø1.

9 LIGHTS MOUNTED IN TOWER SIMILAR TO DETAIL A1/E3Ø2.

GENERAL NOTES

1.

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA
00038A

1334 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • fax: (918) 599-0665
gary sparks companies

Consulting Engineers
Mechanical | Electrical | Energy Consultants, Inc.
1437 South Boulder Suite 1000
Tulsa, Oklahoma 74119-3609
918 592-3643 | Fax 918 592-8381

20-022.00

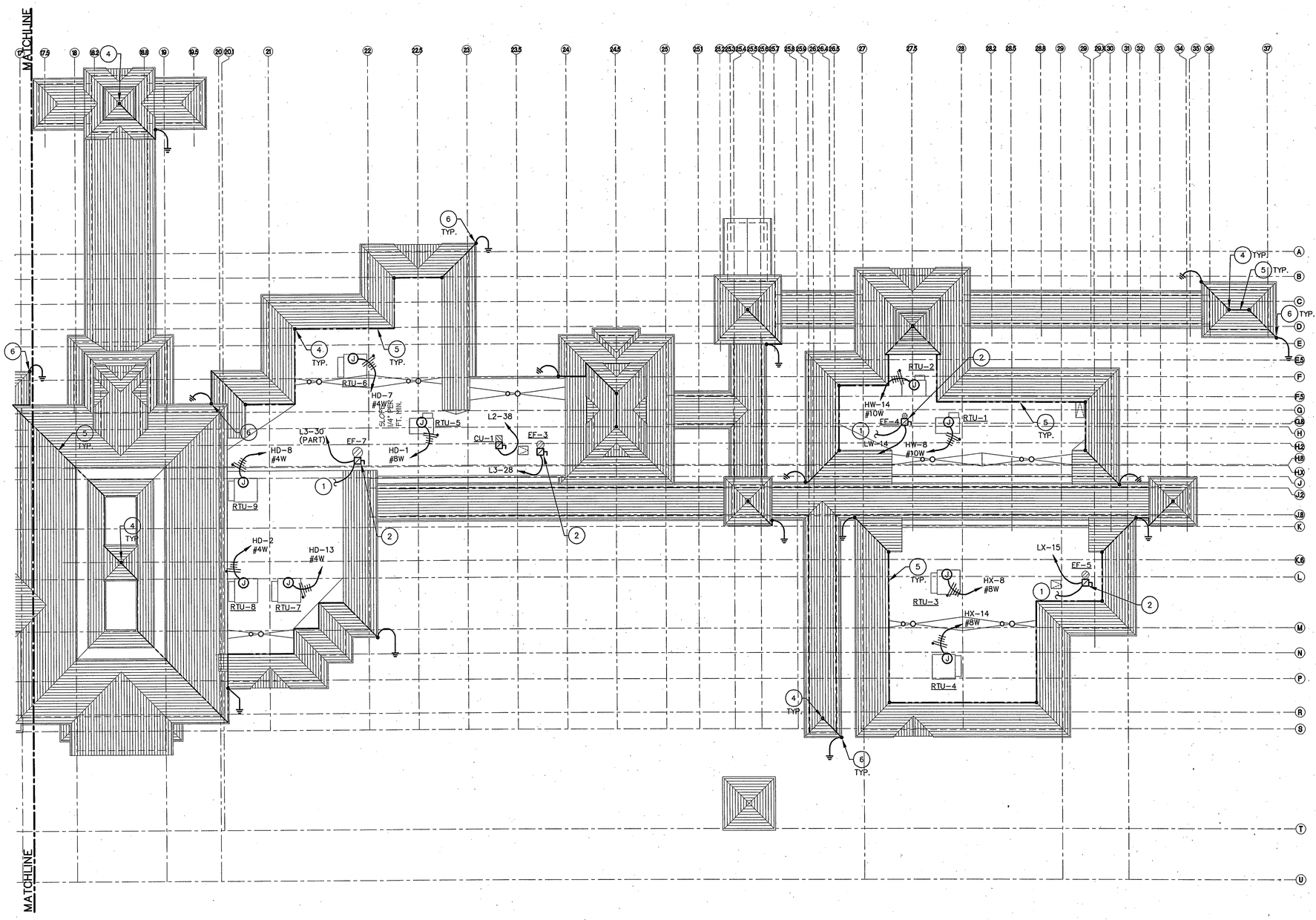
LIGHTING PLAN
(SOUTH SECTION)

Drawn by: TW/JD/MG
Approved by: JD/JS Issue Date: 4/3/2001
CONSTRUCTION DOCUMENTS

E104

A1 LIGHTING PLAN - SOUTH
1/8" = 1'-0"
NORTH

J:\users\sparks\acad2002\00_E206.dwg Mar 30, 2001 - 10:02am



KEYNOTES

1 CONNECT TO RESTROOM LIGHTS PER DETAIL E7/E3Ø1.

2 FUSED DISCONNECT SWITCH 3ØA, 24ØV, 2P, NEMA 3R. PROVIDE FUSES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

3 NOT USED.

4 FLAG POLE CONNECTION. PROVIDE THOMPSON #24ØX CAST BRONZE CLAMP OR EQUAL.

5 PROVIDE CLASS I CONDUCTOR. THOMPSON NO. 29X, OR EQUAL, 29 STRANDS OF 17 GA. COPPER WIRE, 3/8" DIA. BRAIDED SMOOTH TWIST, 19Ø lbs. PER 1ØØØ FT.

6 GROUND ROD, 5/8"x 1Ø'-Ø" COPPER CLAD, THOMPSON #TL581Ø OR EQUAL. CONNECT CABLE WITH THOMPSON NO. 231 CAST BRONZE CLAMP OR EQUAL.

GENERAL NOTES

No.	Description	By	Date

OKLAHOMA AQUARIUM
BUILDING CONSTRUCTION PACKAGE
PROJECT #4
JENKS, OKLAHOMA
00038A

1336 east 15th street
tulsa, oklahoma 74120
(918) 582-0229 • fax: (918) 599-0665
gary sparks companies

Consulting Engineers
Mechanical | Electrical | Energy Consultants, Inc.
1437 South Boulder Suite 1000
Tulsa, Oklahoma 74119-3609
918 592-3643 | Fax 918 592-3361

20-022.00

POWER ROOF PLAN
(NORTH SECTION)

Drawn by: TW/JD/MG
Approved by: JD/JS Issue Date: 4/3/2001
CONSTRUCTION DOCUMENTS

E206

A1	POWER ROOF PLAN (NORTH SECTION)	NORTH
1/16" = 1'-0"		