



Job Name: Test job
Client:
Report Date and Time: 11/01/2024 Time 16:11
Name Of Structure: test job

Date:

Address Of Structure:

Measured By

Name of Testing Person: Wes Shaw (778) 288-0410
Title of Testing Person: Technologist, SiteFox Surveying and Testing Ltd.
Address Of Testing Company: 20162 70a Ave, Langley, BC V2Y 2Y6

Relative Humidity (Rh) Test Information ASTM F2170

Floor	Test Location	Sensor Serial Number	Date/Time of Measurement	Hole Depth, in.	Slab Thickness, in.	Relative Humidity in Concrete, %	Temperature in Concrete, °F.	Air Relative Humidity, %	Air Temperature, °F.	Dew Point, °F.	Target RH	Electrical Impedence	Alkalidity	pH
Lower Level	1	00033FAEC0E0	11/01/2024 11:58:51	1.6	4.0	87.2	60.9	67.2	59.7	48.8	85.0	4.6	110.0	8.49
Lower Level	2	807F00B40B42	11/01/2024 13:43:25	1.6	4.0	80.7	64.4	72.7	68.2	59.1	85.0	4.4	100.0	8.60
Lower Level	3	000E2F3EC0E0	11/01/2024 12:25:25	1.6	4.0	78.0	65.7	48.2	72.9	52.2	85.0	4.6	110.0	9.08
Lower Level	4	808016361B32	11/01/2024 12:30:23	1.6	4.0	79.7	61.2	48.5	80.1	58.9	85.0	5.4	160.0	9.89
Lower Level	5	000650FED0E0	11/01/2024 12:35:38	1.6	4.0	76.9	60.9	70.9	67.0	57.2	85.0	5.0	120.0	9.12
Lower Level	6	807E5B079851	11/01/2024 12:41:33	1.6	4.0	82.7	62.8	49.3	79.4	58.7	85.0	4.9	260.0	11.60
Lower Level	7	807F68A69833	11/01/2024 13:00:26	1.6	4.0	80.8	63.7	57.3	80.3	63.8	85.0	4.8	260.0	11.56
Lower Level	8	807F099BA840	11/01/2024 12:56:04	1.6	4.0	82.5	61.4	54.1	79.2	61.2	85.0	5.4	150.0	9.75
Lower Level	9	807ECDAD9843	11/01/2024 13:05:11	1.6	4.0	78.0	65.8	52.0	81.3	62.0	85.0	3.9	190.0	10.30
Upper Level	10	807F00718842	11/01/2024 13:09:24	0.5	3.0	72.5	69.5	57.2	76.4	60.2	85.0	3.8	100.0	8.90
Upper Level	11	807F692FA833	11/01/2024 13:12:44	0.5	3.0	63.1	69.9	57.5	80.7	64.3	85.0	3.0	110.0	9.08
Upper Level	12	807ECDAC8B43	11/01/2024 13:15:24	0.5	3.0	68.9	70.2	56.9	83.6	66.7	85.0	3.4	110.0	9.05

Upper Level	13	Damaged	Damaged	0.5	3.0						85.0	3.5	100.0	8.8
Upper Level	14	807F712E1841	11/01/2024 13:20:58	0.5	3.0	67.3	69.5	54.7	81.9	64.0	85.0	3.8	120.0	9.13
Upper Level	15	8080163E0832	11/01/2024 13:23:35	0.5	3.0	78.2	68.4	57.9	82.2	65.9	85.0	3.9	104.0	8.92
Average Values				1.2	3.6	76.9	65.3	57.5	76.6	60.2	85.0	4.3	140.3	9.48
Pass or Fail is based solely on the target Rh as an industry standard and does not reflect higher tolerance products.						PASS								

Moisture Vapour Emissions (MVER) Test Information ASTM F1869-23 Testing (Anhydrous Calcium Chloride)

Start test date		Stop test date			
Test area:	Level 1 and 2	No. of tests	15		
Start ambient relative humidity % :	67.2	Stop ambient relative humidity % :	57.13		
Start ambient temperature (°F):	59.7	Stop ambient temperature (°F):	76.06		
Kit Used	Fusion	HVAC Operational at time of testing	No		
Area of plastic covering (ft2)	0.6111	Area of dish (ft2)	0.0491		
Total area covered (ft2)	0.562	Slab Thickness	3-4"	On/Above Grade	On and Above

ASTM F1869-23 Test Requirements

No. of Tests Required	Three test locations for areas up to 1000 ft2 plus one additional test for each 1000 ft2 (100 m2) or fraction thereof
No. of Tests Performed	MVER (ASTM F1869-23)
Duration	60 to 72 hours
Conditioning	Temp 75°F +/- 10°F (23.9 °C +/-5.5°C) and 50% +/-10% relative humidity. Maintain these conditions 48 h prior to, and during testing.

ACI 302.2R-17 Typical Limits for Moisture Vapour Emission Test (Resilient Floor Covering Inst. 1995)

5 lb / 1000 ft2 / 24 hours	Vinyl comp. tile, felt back resilient sht floor, porous back carpet, linoleum
3 lb / 1000 ft2 / 24 hours	Solid vinyl sht floor, vinyl back & non-porous back carpet, cork, glue down flooring

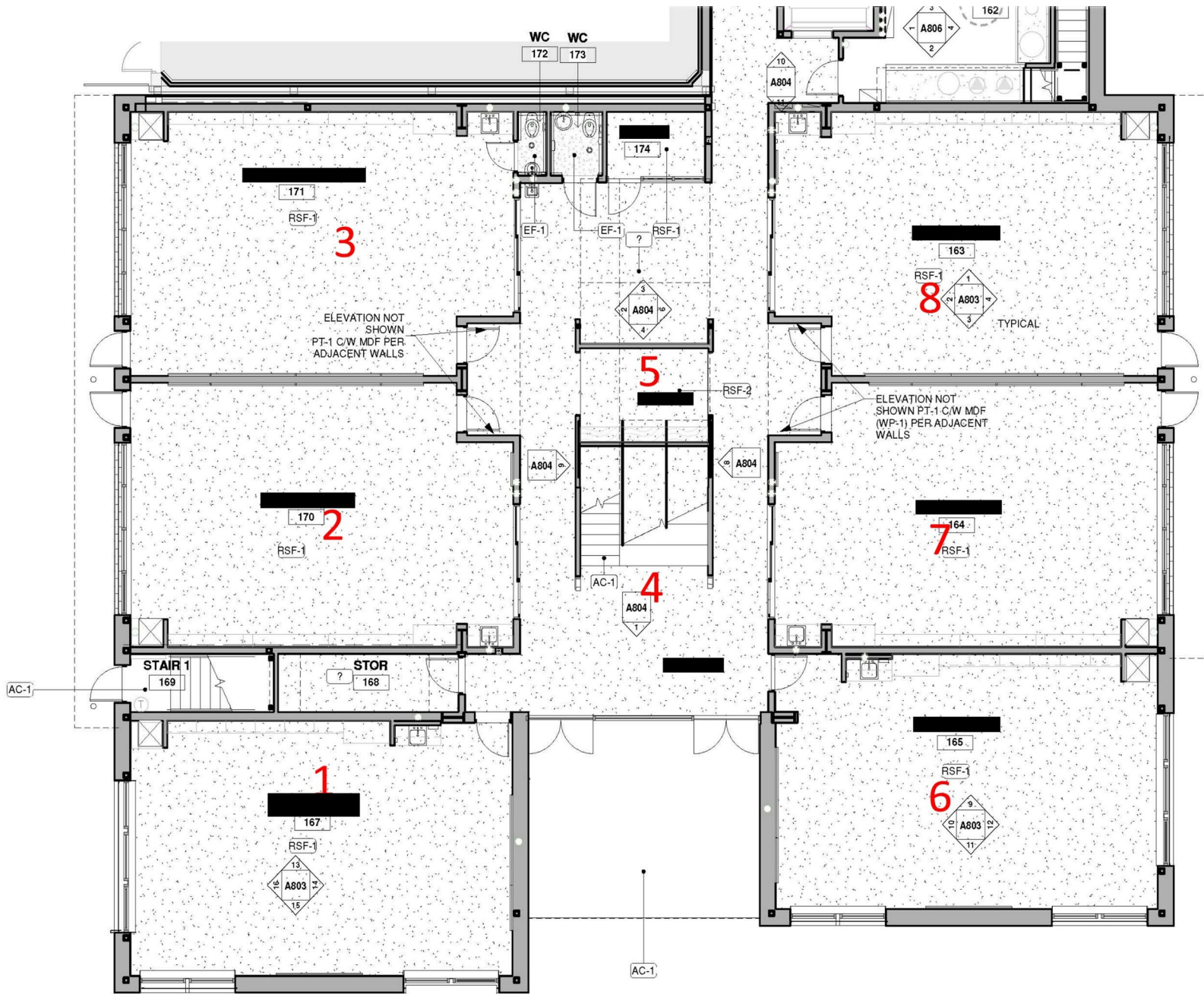
ASTM F1869-23 Testing (Anhydrous Calcium Chloride)

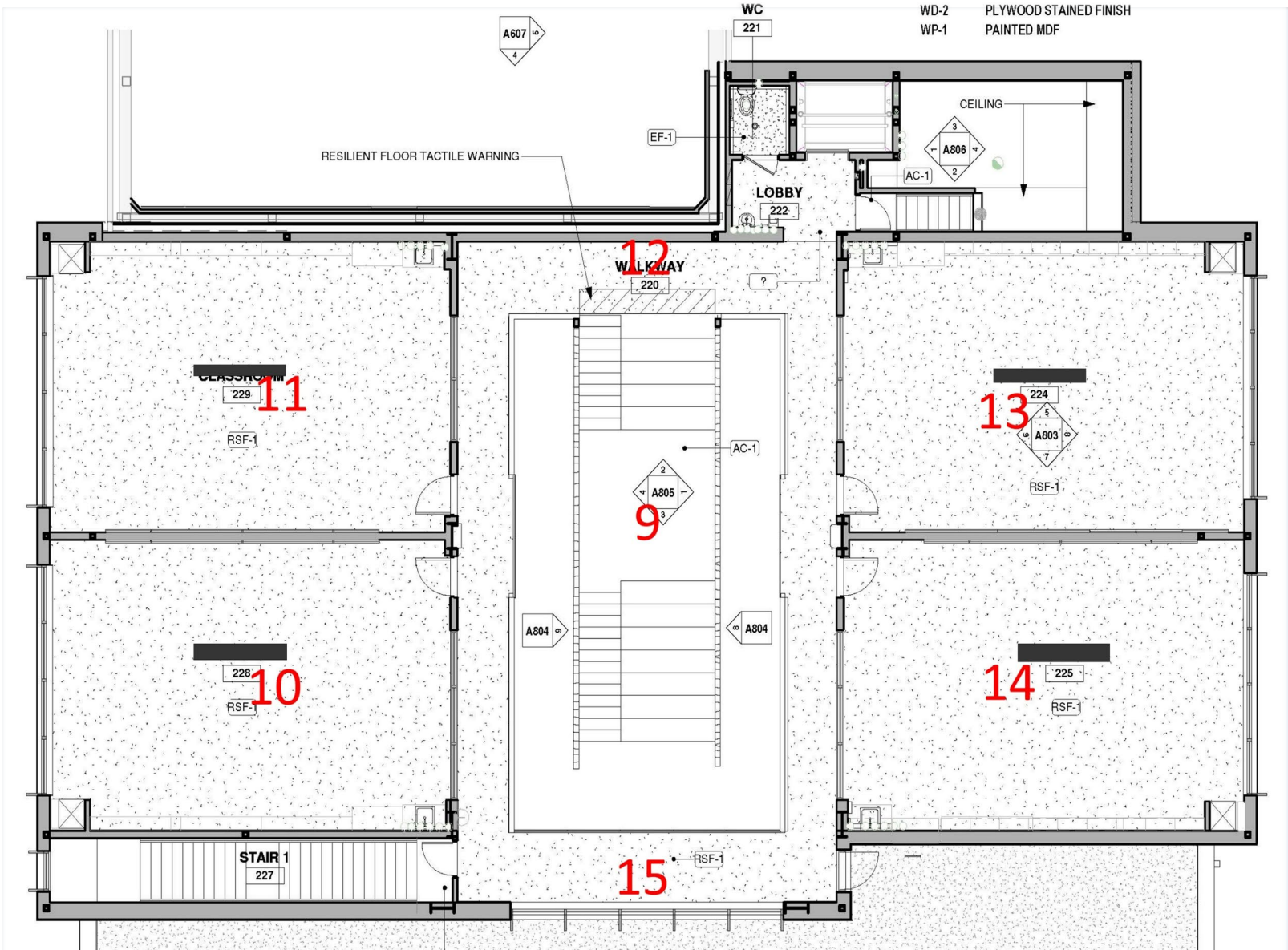
Test #	Test area	Start Date	Start time	Start wt (g)	Stop Date	Stop time	Stop wt (g)	Total hrs (decimal)	wt incr. (g)	Ambient Temp °F	Ambient Humidity °F		MVER (lb/1000 ft ² /24hr)
1	see sketch	Oct. 29, 2024	10/29/2024 1:50 PM	33.60	Nov. 1, 2024	11/1/2024 11:52 AM	37.13	70.03	3.53	59.7	67.2		5.995
2	see sketch	Oct. 29, 2024	10/29/2024 2:04 PM	33.00	Nov. 1, 2024	11/1/2024 12:07 PM	36.37	70.05	3.37	68.2	72.7		5.722
3	see sketch	Oct. 29, 2024	10/29/2024 2:13 PM	33.10	Nov. 1, 2024	11/1/2024 12:15 PM	36.64	70.03	3.54	72.9	48.2		6.012
4	see sketch	Oct. 29, 2024	10/29/2024 2:43 PM	33.70	Nov. 1, 2024	11/1/2024 12:08 PM	37.61	69.42	3.91	80.1	48.5		6.699
5	see sketch	Oct. 29, 2024	10/29/2024 2:38 PM	33.90	Nov. 1, 2024	11/1/2024 12:33 PM	37.28	69.92	3.38	67.0	70.9		5.750
6	see sketch	Oct. 29, 2024	10/29/2024 3:09 PM	33.30	Nov. 1, 2024	11/1/2024 12:43 PM	36.16	69.57	2.86	79.4	49.3		4.889
7	see sketch	Oct. 29, 2024	10/29/2024 3:15 PM	34.20	Nov. 1, 2024	11/1/2024 12:59 PM	37.53	69.73	3.33	80.3	57.3		5.679
8	see sketch	Oct. 29, 2024	10/29/2024 3:19 PM	33.90	Nov. 1, 2024	11/1/2024 12:55 PM	36.86	69.60	2.96	79.2	54.1		5.058
9	see sketch	Oct. 29, 2024	10/29/2024 3:23 PM	33.10	Nov. 1, 2024	11/1/2024 1:03 PM	36.00	69.67	2.90	81.3	52.0		4.951
10	see sketch	Oct. 29, 2024	10/29/2024 3:26 PM	34.00	Nov. 1, 2024	11/1/2024 1:08 PM	37.31	69.70	3.31	76.4	57.2		5.648
11	see sketch	Oct. 29, 2024	10/29/2024 3:28 PM	33.20	Nov. 1, 2024	11/1/2024 1:11 PM	36.86	69.72	3.66	80.7	57.5		6.244
12	see sketch	Oct. 29, 2024	10/29/2024 3:31 PM	34.00	Nov. 1, 2024	11/1/2024 1:14 PM	38.04	69.72	4.04	83.6	56.9		6.892
13	see sketch	Oct. 29, 2024	10/29/2024 3:34 PM	33.40	Nov. 1, 2024	11/1/2024 1:17 PM	37.26	69.72	3.86	68.0	52.6		6.585
14	see sketch	Oct. 29, 2024	10/29/2024 3:36 PM	33.20	Nov. 1, 2024	11/1/2024 1:20 PM	36.70	69.73	3.50	81.9	54.7		5.969
15	see sketch	Oct. 29, 2024	10/29/2024 3:39 PM	33.00	Nov. 1, 2024	11/1/2024 1:22 PM	36.36	69.72	3.36	82.2	57.9		5.732
Averages				33.51			36.94	69.75	3.43	76.06	57.13		5.85

Notes

Reporting of these test results constitutes a testing service only.

Technologist: Wes Shaw (778) 288-0410
Company: Sitefox Surveying and Testing Ltd.





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ROOF AREA

