High Desert
Education Service District

2804 SW Sixth Street, Redmond, Oregon 97756 / p 541.693.5600 f 541.693.5601 / www.hdesd.org

Radon testing plan and protocol for the High Desert Education Service District 2804 SW 6th St. Redmond, Oregon 97756 August 3, 2016

Testing plan and protocols in this document are derived from the Oregon Health Authority Version 1.0 – 2016 "Testing for elevated Radon in Oregon Schools".

Properties:

The High Desert Education Service District (HDESD) owns three properties as follows:

High Desert Regional Education Center
2804 SW 6th St
Redmond, Oregon 97756

Note: This location is for Administration, business office, Human Resource Dept., payroll dept., and other (but not all) programs within the HDESD. It is a two story building comprised of offices, conference rooms and open work space.

The building was constructed in 2007, the total square feet is 12,160.

Prineville Education Center
471 NE Ochoco Plaza Drive
Prineville, Oregon 97754

Note: This location houses the Crook County School District administrative staff and has two classrooms for the Early Intervention/Early Childhood

Special Education program of the HDESD. It is a single story building comprised of offices, conference rooms, classrooms and open work spaces. The building was constructed in 1998, the total square feet is 8,644.

Manzanita Building
1212 NE 5th Street
Redmond, Oregon 97756
Note: This building houses multiple programs within the HDESD, additionally there are three classrooms for the Early Intervention/Early Childhood Special Education program of the HDESD. It is a single story building comprised of offices, conference rooms, classrooms, open work spaces, warehouse, shop area and a small (800 sq. ft.) second story archive room.
The building was constructed in 1990, the square feet is 12,738.

Additionally the HDESD leases or has programs located in many locations, most are within component school districts of the HDESD or other facilities who will initiate their own radon testing. However, there are two locations that are not in a school district and will fall under the plan and protocol of the HDESD and they are as follows:

Skyliner Lodge (leased from the US Forest Service)
16125 N Skyliner Rd
Bend, Oregon 97701
Note: This location is used as an environmental education site. The building is comprised of a basement; main floor kitchen and three open meeting rooms. Additionally there is a second floor with two living spaces. The building was constructed in 1935, the total square feet is 4,660.

Alyce Hatch Center (leased from the AHC BOD)
1406 Juniper St.
Bend, Oregon 97701

Note: This is a single story building housing administrative staff and educators for the Early Intervention/Early Childhood Special Education program of the HDESD. It is comprised of three classrooms, offices, meeting rooms and an activity room.
The building was constructed in 1985, the total square feet is 8,783.

Plan:

The HDESD will develop a Radon Measurement Team coordinated by the Director of Facilities. This team will effectively determine the number of detector kits that are required for each of the facilities listed above. Floor plans will be reviewed and documented for placement of test kits, duplicate kits (10% of test kits), blank kits (5% of the test kits) and spike kits (3% of the test kits). Additionally, test kit placement logs will be developed to coincide with the documented floor plan for each facility. All details of the log will be strictly adhered to so that all information required is accurately noted. To assist with quality assurance two weeks prior to the first test, the Radon Measurement Team will complete a practice application, noting any errors or deficiencies, assuring that any corrections necessary will be implemented prior to the actual test.
The intent of the plan is to purchase all kits, in bulk from Air Chek Inc that can provide the quantity needed from a single manufactured lot. This should allow consistent numerical coding for each kit purchased. We will be using 3-7 day Pro Chek Short term test kits.
The Radon Measurement team will not be given the responsibility of the actual measurement of Radon but will accurately place, record, gather and ship all test kits. The measurement, documentation and reporting will be completed by Air Chek Inc, Mills Creek, North Carolina, a certified testing laboratory.

Protocol:

- Short term tests, no less than 48 continuous hours will be used in all facilities.
- The tests will be made in all frequently occupied rooms in contact with the soil such as classrooms, offices, conference rooms, computer rooms,

gymnasiums, auditoriums, cafeterias and break rooms. All rooms will be tested simultaneously.

- Storage rooms, kitchens, bathrooms, stairways, hallways or elevator shafts will not be tested.
- A minimum of one detector test kit must be placed for up to every 2,000 sq. ft. of open floor area.
- All teachers or frequent adult users should be aware that the room is being tested.
- Buildings should only be tested when the HVAC system is operating normally.
- Closed building conditions-all windows and doors are to be closed except for normal entry and exit must be observed for short-term testing.
- Short term testing should start in October.
- If the results of a radon screening test in any frequently occupied room are found to be 4.0 pCi/L or greater follow-up measurements will be taken based on the protocol listed in the "Testing for elevated Radon in Oregon Schools" Version 1.0-2016 issued by the Oregon Health Authority.

Implementation:

The High Desert Education Service District has five locations (listed above) that will need to be initially tested for Radon before Jan. 1, 2021. The first facility to be tested is the Prineville Education Center. The decision to select this location first is its geographic location as well as size. A pre-test exercise will be two weeks prior to the actual measurement test which will be during the month of October/November, 2016. This will give us the opportunity to review our procedures and make any adjustments necessary if a re-test is required.

In the subsequent years leading up to Jan. 1, 2021 the remaining facilities will be tested following all plans and procedures outlined here and in the "Testing for elevated Radon in Oregon Schools" version 1-2016 provided by the Oregon Health Authority and any additional versions or addendums.

Respectfully submitted by:

Bob Martin

Bob Martin
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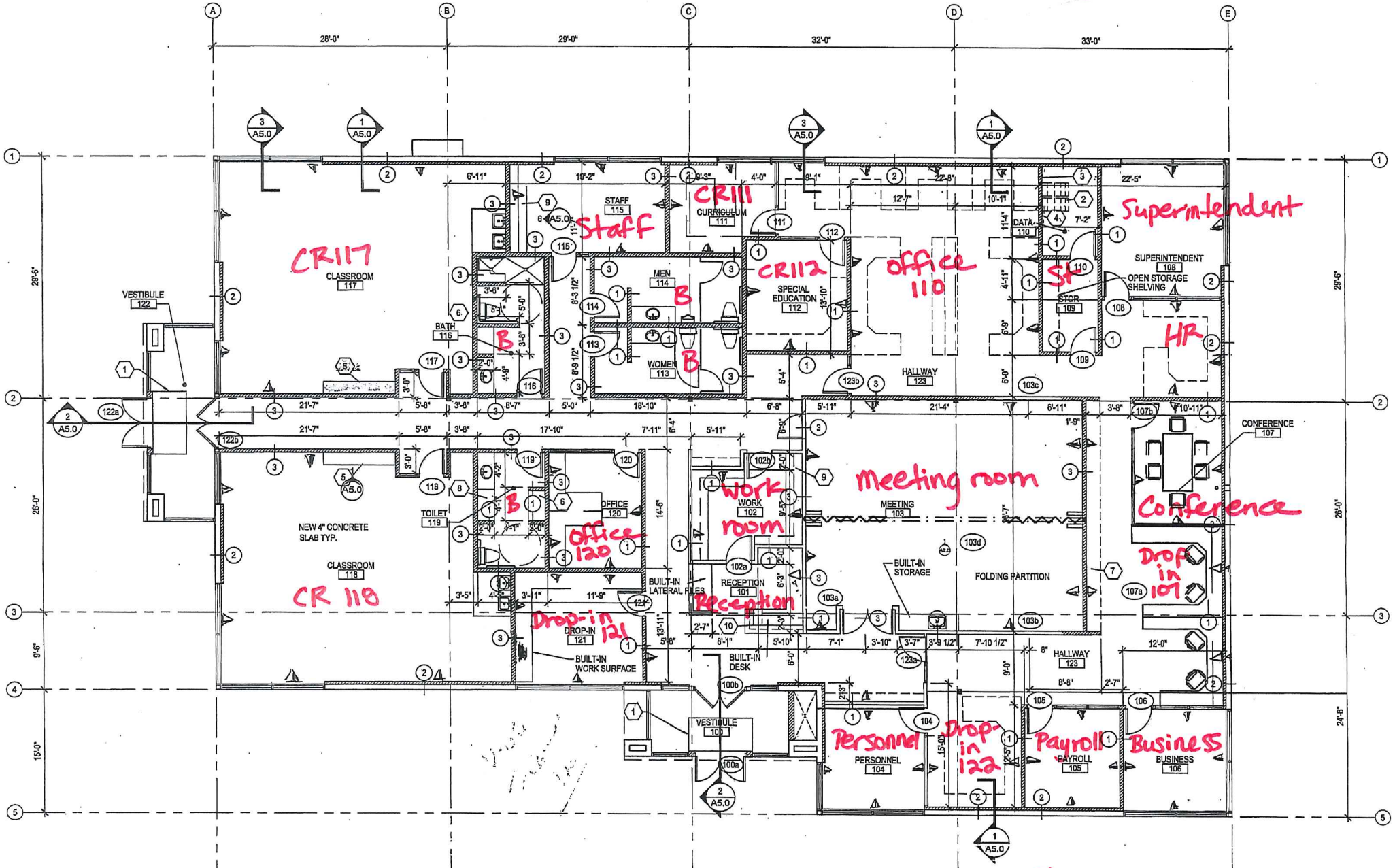

CR= Classroom
B= Bathroom
St= Storage
D= Detector kit

FLOOR PLAN
1/8"=1'-0"

Prineville Education Center
471 Ochoco Plaza Dr.
Prineville, OR 97754

Serial Number	Start Date	Start Time	Stop Date	Stop Time	Temp.	Facility	Building	Room	Proj. ID	Floor
(from test kit)		*Times should be in 24 hour format, 1pm = 13 (+ / - 5 degr*				*(your designations for facility, building and room)*			*(optional)*	*(enter proper code) 0=Basement , 1=1st, 2=2nd, 3=other*
		** round times so that 9:31 and 10:28 both display 10:00, for example*								