

Confined Space Entry & Tunnel Safety – Appendix C: Confined Space Index – Cascade Campus

The following table provides index and initial space classification for spaces at **Cascade Campus**. The numbers noted are related to notation on maps.

Map Location #	Building/Location	Space Type or Name / Conditions	Initial Classification
100 - Vault with Single / Double and Triple Square Covers Outside locations throughout the campus includes: Backflow Preventer Vaults, FDC valves and electrical vaults			
101	PSEB parking lot on south side next to Killingsworth	Storm water Management system vault	NOT a confined space too shallow (<3-ft)
102x	Through campus parking lots, open yards, sideways and internal streets	Sewer Manholes – There are most likely additional.	PERMIT ALL SEWER ENTRIES BY DEFINITION REQUIRE FULL PERMIT
102 a	a. PSEB Parking lot east side at least 3 manholes		
102 b	b. TH entrance area from parking lot Handicap		
102 c	c. to f. are all in sideway and lawn into Jackson Hall		
102 d			
102 e			
102 f			
102 g.	g. NE each side to JH at P-2 parking		
102 h.	h. P-2 parking lot		
102 i	i. Jackson Hall front grass		
102 j.	j. 4 sewer manholes in yard north of Arts and Humanities		
102 k.	k. SW side of Terrel Hall		
102 l.	l. New SC parking garage. Number of standard sewer manholes		
103 (132) REMOVED	Terrel Hall west side parking lot	Transformer vault double metal hatch with Conduit.	NOT a confined space, not large enough to enter – Electrical
104	Terrell Hall Kerby and Jessup St merge corner	Water Meter: Single metal square hatch covering.	NOT a confined space (<2-ft)
105	SE side of Jackson, next to P2 parking	Irrigation Backflow Device: Vault cover at building partially in the bushes	NOT a confined space too shallow (<2-ft)
106	SE side, next to P-2 parking Jackson Hall	FDC Backflow and Valves: Single square 2'x3' metal cover for the FDC in background	PERMIT / ALTERNATIVE (>5-ft)
107	South side of Jackson Hall	Electrical transform, double square entry vault for conduit 4 feet deep.	NOT a confined space, not large enough to enter
108	NE side of Technology Building	Electrical transform, double square entry vault for conduit 4 feet deep.	PERMIT / ALTERNATIVE
109	NE side of Technology Building	Transformer vault double metal hatch with conduit vault 4 feet deep.	NOT a confined space, not large enough to enter

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110 CACV004	Sidewalk at SW corner Technology Bldg. on Killingsworth.	Communication Vault: Single square metal hatch – TELEPHONE 4 feet deep.	NOT a confined space, not large enough to enter
111	Sidewalk at SW corner Technology Bldg. on Killingsworth	Water Vault/Valves Single square metal hatch 8' deep.	PERMIT / ALTERNATIVE
112	Sidewalk at SW corner Technology Bldg. on Killingsworth	Water Meter 2' deep: Double square metal hatch.	NOT a confined space too shallow (<2-ft)
113	Sidewalk at SW corner Technology Bldg. on Killingsworth	Water Meter 2' deep: Double square metal hatch.	NOT a confined space too shallow (<2-ft)
114	W Entrance sidewalk to Technology on Kerby Ave.	Fire Water Line: Single metal hatch in the bark dust 3'x'3 and 8' deep.	PERMIT / ALTERNATE
115	W Entrance sidewalk on Kerby Ave. to Technology in Bicycle parking area bark dust.	LOCKED VAULT – NO ACCESS BY PCC Single metal hatch in the bark dust 3'x'3.	PERMIT
116	Loading dock on Library along Kerby Ave.	Electrical Room with Switch Gear opened annual for inspection: Large metal grate with locked hatch entry 12 feet deep.	PERMIT / ALTERNATE Electrical secured room with continuous ventilation. Enclosed electrical space.
117	East side of Library against the air intake louvers	Electrical 2 feet deep Small double metal hatch vault	NOT a confined space too shallow (<2-ft)
118 CACV011	Between CS113 & CS119 in sidewalk S of Library on Killingsworth St.	Communication: Metal vault cover <4 feet deep	NOT a confined space too shallow (<4-ft)
119 CACV003	E Sidewalk at Arts Bldg. next to Killingsworth	Communications, 4 feet deep, Double metal vault	NOT a confined space too shallow (<4-ft)
120	E Sidewalk at entrance door Arts Bldg. next to Killingsworth	Communications, 4 feet deep, Double metal vault	NOT a confined space too shallow (<4-ft)
121	Arts Bldg – courtyard side next to fence is FDC vault	Water Meter Double metal hatch vault	PERMIT / ALTERNATE
122	Arts Bldg, center yard	Water Meter Single metal hatch cover	PERMIT / ALTERNATE
123 REMOVED	Sidewalk, at Library ramp entrance	Water meters 2 feet deep, Two single metal vault covers	NOT a confined space too shallow (<2-ft)
124 REMOVED	Library center – courtyard entrance area next to entry ramp	Electrical Services printed on top	PERMIT
125 REMOVED	Library – courtyard entrance area next to entry ramp – just above electrical service vault.	Backflow Vault: Double large metal hatch covers, space is at least 8 feet deep with water valves and backflow preventer – At least annual testing of the backflow preventer and possible control of water to the campus	PERMIT / ALTERNATE

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126	Courtyard between SS and Arts Buildings (MAHB), in fenced area at Arts	Electrical transformer with double metal hatch vault 4' with conduit	PERMIT / ALTERNATE May be too shallow
127	Fenced area on NE side of Arts Building (MAHB) courtyard	Fire Water Backflow Preventer: Double metal hatched vault 3'x3' and 8 feet deep	PERMIT / ALTERNATE
128	West side of the Arts Building outside in center of block sidewalk.	Communication: Single metal hatch 2'x2 and 4' deep.	NOT a confined space too shallow (<4-ft)
129 CACV006	East corner of SS telephone vault in courtyard.	Communication: Single metal hatch telephone vault 4' deep.	NOT a confined space too shallow (<4-ft)
130	West Side of Terrel Hall in yard at wall.	Backflow Preventer on the FDC single metal hatch 8 feet deep.	PERMIT / ALTERNATE
131	West Side of Terrel Hall in yard at wall.	Domestic Water Valves and Backflow Preventer Shut-offs only 2 feet deep with 2 single metal hatches next to the FDC.	NOT a confined space too shallow (<2-ft)
132 (103) REMOVED	West Side of Terrel Hall in yard at wall.	Electrical Transformer Vault with double metal hatch vault with conduit 4' deep.	NOT a confined space too shallow (<4-ft)
133	West Side of Terrel Hall in sidewalk between SS and TH.	Storm water filters: 6' deep with double bolted down metal hatch plates.	PERMIT / ALTERNATE
134	North side of SS building by Albina Ave. and Jessup.	Fire Water Valves and Backflow; Double metal hatch vault for the FDC 8' deep.	PERMIT / ALTERNATE
135	North side of SS building by Albina Ave.	Water Meter 2' deep: Double metal hatch vault.	NOT a confined space too shallow (<2-ft)
136	PE Building at Parking P-3 in grass area	Fire and Domestic Water Valves and Backflows with double open vault 8' deep.	PERMIT / ALTERNATE
137	North corner of PSEB building water vault with backflow device on corner of N Michigan and Jessup St.	Fire and Domestic Water Valves and Backflows vault about 8' deep.	PERMIT / ALTERNATE
138	North Entrance to Terrel Hall.	2' x3' red cover –Electrical vault.	PERMIT / ALTERNATE
139	Student Center Underground Parking Garage At 4D parking area.	Valve double cover vaults	NOT a confined space too shallow (<2-ft)
140	Student Center Underground Parking Garage At 4C parking area.	Two sewer manhole covers	PERMIT
141	Student Center Underground Parking main entrance 3C area.	Triple electrical vault	PERMIT / ALTERNATE

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142	Student Center Underground Parking main entrance 3C area.	Double hatch electrical vault	PERMIT / ALTERNATE
143	Student Center Underground Parking main ramp in and out of the garage.	Large round manhole cover – sealed, not sure purpose.	PERMIT / ALTERNATE
144	Student Center Loading area between the building and parking ramp.	Double square hatch vault - Electrical	PERMIT / ALTERNATE
145	Student Center Loading area between the building and parking ramp	Two grease trap manhole covers for the vault and filter equipment.	PERMIT / ALTERNATE
CACV001	South of Student Services in Borthwick Ave walkway across from Library ramp.	Large vault with large round lid. Telecommunications	PERMIT / ALTERNATE
CACV002	South of Jackson Hall in grass along Kerby Ave. (next to CACV009)	Large vault with large round lid. Telecommunications	PERMIT / ALTERNATE - WATER HAZARD
CACV008	In walkway apron SW of MCTB at Kerby Ave. & Killingsworth St.	Large vault with large round lid. Telecommunications	PERMIT / ALTERNATE
CACV009	South of Jackson Hall in walkway along Kerby Ave. (next to CACV002)	Large vault with large round lid. Telecommunications	PERMIT / ALTERNATE - WATER HAZARD
CACV012	Between CS118 & CS119 in sidewalk SW of Library on Killingsworth St.	Small square vault cover, UNKNOWN	PERMIT / ALTERNATE (Needs verification)
CACV013	North of PE Bldg on Killingsworth St. sidewalk	Square vault cover, UNKNOWN	PERMIT / ALTERNATE (Needs verification)

Map Location #	Building/Location	Space Type or Name	Initial Classification
200 - Tunnel System and Facilities Access Hatches			
201	Student Center, basement. Room labeled Sprinkler Control Valve.	Square entry to pipe chase from the Sprinkler Control Room – Labeled as ‘Asbestos Hazard’ – However, asbestos been removed, too small for access.	No occupant access to the pipe chase – too small

Map Location #	Building/Location	Space Type or Name	Initial Classification
300- HVAC Cooling Tower and HVAC Units			
301	PSEB roof access to HVAC system filter area.	HVAC filter panel and coils.	Non-permit - Lockout permit required.
302	PSEB roof unit.	Air handling unit.	Non-permit - Lockout permit required.
303	PSEB air handling chilling unit.	Several ½ door entry points for repair and maintenance.	Non-permit - Lockout permit required.
304	Student Services top floor mechanical room.	HVAC units with hatches to the filters and coils and fans.	Non-permit - Lockout permit required.

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305	Margaret Carter Technology Building.	Cooling tower along back alley facing N Commercial Ave. No access.	Non-permit - Lockout permit required.
306	Library loading dock.	Large air conditioning system.	Non-permit - Lockout permit required.
307	Student Union parking garage exhaust fan	Exhaust fan air handler.	No entry ports – Needs to be dismantled and locked out – NOT confined space at that point.
400 - Boiler Systems			
400	All facilities	Boiler Systems Note: NEW boilers are not confined spaces – Cannot be entered (no access and small) Ductwork is also too small to enter.	NOT permit space
500 - Tanks			
500	None		
SEWER RELATED and SUMP PUMP SPACES			
See 102x	None		

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PCC Confined Space Location Maps
 Cascade Campus
 705 N Killingsworth St.
 Portland, Oregon
 June 2015

