

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	Space Classification	Hazards
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	<i>not a confined space</i>	
102x 102 a 102 b 102 c 102 d 102 e 102 f 102 g. 102 h. 102 i 102 j. 102 k. 102 l.	Through campus parking lots, open yards, sideways and internal streets a. PSEB Parking lot east side at least 3 manholes b. TH entrance area from parking lot Handicap c. to f. are all in sideway and lawn into Jackson Hall g. NE each side to JH at P-2 parking h. P-2 parking lot i. Jackson Hall front grass j. 4 sewer manholes in yard north of Arts and Humanities k. SW side of Terrel Hall l. New SC parking garage. Number of standard sewer manholes	Sewer Manholes – There are most likely additional.	Permit-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Sewer/water flow – engulfment. • Pathogenic micro-organism contact – infectious diseases. • Possible physical hazards from falling or slipping.
104	Terrell Hall Kerby and Jessup St merge corner	Water Meter: Single metal square hatch covering.	<i>not a confined space</i>	
105	SE side of Jackson, next to P2 parking	Irrigation Backflow Device: Vault cover at building partially in the bushes	<i>not a confined space</i>	
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-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Falling or slipping High pressure water lines – engulfment
107	South side of Jackson Hall	Electrical transform, double square entry vault for conduit 4 feet deep.	<i>not a confined space</i>	
108	NE side of Technology Building	Electrical transform, double square entry vault for conduit 4 feet deep.	Permit-Required Confined Space	<ul style="list-style-type: none"> • Electrical hazards • Oxygen deficiency Falls
109	NE side of Technology Building	Transformer vault double metal hatch with conduit vault 4 feet deep.	<i>not a confined space</i>	

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110 CACV004	Sidewalk at SW corner Technology Bldg. on Killingsworth.	Communication Vault: Single square metal hatch – TELEPHONE 4 feet deep.	<i>not a confined space</i>	
111	Sidewalk at SW corner Technology Bldg. on Killingsworth	Water Vault/Valves Single square metal hatch 8' deep.	Permit-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Falling or slipping • High pressure water lines – engulfment
112	Sidewalk at SW corner Technology Bldg. on Killingsworth	Water Meter 2' deep: Double square metal hatch.	<i>not a confined space</i>	
113	Sidewalk at SW corner Technology Bldg. on Killingsworth	Water Meter 2' deep: Double square metal hatch.	<i>not a confined space</i>	
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-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Falling or slipping • High pressure water lines – engulfment
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. Electrical secured room with continuous ventilation. Enclosed electrical space.	Permit-Required Confined Space	<ul style="list-style-type: none"> • Electrical hazards • Falls
117	East side of Library against the air intake louvers	Electrical 2 feet deep Small double metal hatch vault	<i>not a confined space</i>	
118 CACV011	Between CS113 & CS119 in sidewalk S of Library on Killingsworth St.	Communication: Metal vault cover <4 feet deep	<i>not a confined space</i>	
119 CACV003	E Sidewalk at Arts Bldg. next to Killingsworth	Communications, 4 feet deep, Double metal vault	<i>not a confined space</i>	
120	E Sidewalk at entrance door Arts Bldg. next to Killingsworth	Communications, 4 feet deep, Double metal vault	<i>not a confined space</i>	
121	MAHB – courtyard side next to fence is FDC vault	Water Meter Double metal hatch vault	Permit-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Falling or slipping • High pressure water lines – engulfment
122	Arts Bldg, center yard	Water Meter Single metal hatch cover	Permit-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Falling or slipping • High pressure water lines – engulfment
126	Courtyard between SS and Arts Buildings (MAHB), in fenced area at Arts	Electrical transformer with double metal hatch vault 4' with conduit	Permit-Required Confined Space	<ul style="list-style-type: none"> • Electrical hazards • Falls

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127	Fenced area on NE side of MAHB courtyard	Fire Water Backflow Preventer: Double metal hatched vault 3'x3' and 8 feet deep	Permit-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Falling or slipping • High pressure water lines – engulfment
128	West side of the Arts Building outside in center of block sidewalk.	Communication: Single metal hatch 2'x'2 and 4' deep.	<i>not a confined space</i>	
129 CACV006	East corner of SS telephone vault in courtyard.	Communication: Single metal hatch telephone vault 4' deep.	<i>not a confined space</i>	
130	West Side of Terrel Hall in yard at wall.	Backflow Preventer on the FDC single metal hatch 8 feet deep.	Permit-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Falling or slipping • High pressure water lines – engulfment
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.	<i>not a confined space</i>	
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-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Water flow – engulfment. • Micro-organism contact • Possible physical hazards
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-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Falling or slipping • Water lines – engulfment
135	North side of SS building by Albina Ave.	Water Meter 2' deep: Double metal hatch vault.	<i>not a confined space</i>	
136	PE Building at Parking P-3 in grass area	Fire and Domestic Water Valves and Backflows with double open vault 8' deep.	Permit-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Falling or slipping • High pressure water lines – engulfment
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-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Falling or slipping • High pressure water lines – physical pressure and drowning
138	North Entrance to Terrel Hall.	2' x3' red cover – Electrical vault.	Permit-Required Confined Space	<ul style="list-style-type: none"> • Electrical hazards • Falls
139	Student Center Underground Parking Garage At 4D parking area.	Valve double cover vaults	<i>not a confined space</i>	

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140	Student Center Underground Parking Garage At 4C parking area.	Two sewer manhole covers	Permit-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Sewer/water flow – engulfment. • Pathogenic micro-organism contact – infectious diseases. • Possible physical hazards
141	Student Center Underground Parking main entrance 3C area.	Triple electrical vault	Permit-Required Confined Space	<ul style="list-style-type: none"> • Electrical hazards • Falls
142	Student Center Underground Parking main entrance 3C area.	Double hatch electrical vault	Permit-Required Confined Space	<ul style="list-style-type: none"> • Electrical hazards • Falls
143	Student Center Underground Parking main ramp in and out of the garage.	Large round manhole cover – sealed, not sure purpose.	Permit-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Sewer/water flow – engulfment. • Possible physical hazards
144	Student Center Loading area between the building and parking ramp.	Double square hatch vault - Electrical	Permit-Required Confined Space	<ul style="list-style-type: none"> • Electrical hazards • Falls
145	Student Center Loading area between the building and parking ramp	Two grease trap manhole covers for the vault and filter equipment.	Permit-Required Confined Space	<ul style="list-style-type: none"> • Atmospheric hazards • Water flow – engulfment. • Possible physical hazards
CACV001	South of Student Services in Borthwick Ave walkway across from Library ramp.	Large vault with large round lid. Telecommunications	Permit-Required Confined Space	<ul style="list-style-type: none"> • Low voltage electrical systems • Oxygen deficiency • Falls
CACV002	South of Jackson Hall in grass along Kerby Ave. (next to CACV009)	Large vault with large round lid. Telecommunications Water hazard	Permit-Required Confined Space	<ul style="list-style-type: none"> • Low voltage electrical systems • Oxygen deficiency • Falls
CACV008	In walkway apron SW of MCTB at Kerby Ave. & Killingsworth St.	Large vault with large round lid. Telecommunications	Permit-Required Confined Space	<ul style="list-style-type: none"> • Low voltage electrical systems • Oxygen deficiency • Falls
CACV009	South of Jackson Hall in walkway along Kerby Ave. (next to CACV002)	Large vault with large round lid. Telecommunications Water hazard	Permit-Required Confined Space	<ul style="list-style-type: none"> • Low voltage electrical systems • Oxygen deficiency • Falls
CACV012	Between CS118 & CS119 in sidewalk SW of Library on Killingsworth St.	Small square vault cover, UNKNOWN	Permit-Required Confined Space	<ul style="list-style-type: none"> • Possible atmospheric hazards • Water flow – engulfment. • Possible physical hazards

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CACV013	North of PE Bldg on Killingsworth St. sidewalk	Square vault cover, UNKNOWN	Permit-Required Confined Space	<ul style="list-style-type: none"> • Possible atmospheric hazards • Water flow – engulfment. • Possible physical hazards
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.	<i>not a confined space</i>	
300- HVAC Cooling Tower and HVAC Units				
301	PSEB roof access to HVAC system filter area.	HVAC filter panel and coils.	Confined Space	
302	PSEB roof unit.	Air handling unit.	Confined Space	
303	PSEB air handling chilling unit.	Several ½ door entry points for repair and maintenance.	Confined Space	
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304	Student Services top floor mechanical room.	HVAC units with hatches to the filters and coils and fans.	Confined Space	
305	Margaret Carter Technology Building.	Cooling tower along back alley facing N Commercial Ave. No access.	Confined Space	(LO/TO required)
Map Location #	Building/Location	Space Type or Name	Initial Classification	
306	Library loading dock.	Large air conditioning system. LO/TO required	Confined Space	
307	Student Union parking garage exhaust fan	Exhaust fan air handler.	<i>not a confined space</i>	
400 - Boiler Systems				
400	All facilities	Boiler Systems Note: NEW boilers are not confined spaces – Cannot be entered Ductwork is also too small to enter.	Confined Space	
500 - Tanks				
500	None			
SEWER RELATED and SUMP PUMP SPACES				
See 102x	None			

PCC Confined Space Location Maps

Cascade Campus

705 N Killingsworth St.
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