

This self-checklist is intended to assist Designers in reviewing their project by providing a summary of Code and Toronto By-law provisions for green roof design. The City of Toronto does not assume responsibility for errors or oversights resulting from the use of this checklist. While care has been taken to ensure accuracy, the user must refer to the actual wording of the documents referenced herein.

1 GENERAL Note: Unless noted otherwise all Building Code References are in Division B

<input type="checkbox"/>	a	Designer requirements.....	Div C - 1.2.1.1.; § 492-8.B.
<input type="checkbox"/>	b	General Review Commitment Letter.....	Div C - 1.2.2.
<input type="checkbox"/>	c	Green Roof Declaration form completed.....	§ 492-6.
<input type="checkbox"/>	d	Voluntarily installed Green Roofs to comply with Toronto Green Roof Construction Std	§ 492-1.Definitions; § 492-4D
<input type="checkbox"/>	Exemptions to GR By-law		§ 492-5.
<input type="checkbox"/>	e	All complete Building applications or complete site plan applications submitted prior to 1/31/2010.	§ 492-5.A.(1) & (2)
<input type="checkbox"/>	f	Residential building or addition ≤ 6 storeys or height less than 20 m	§ 492.1. Def. & §492-5.B.,
<input type="checkbox"/>	g	Industrial building or addition constructed prior to 1/31/2011	§ 492-5.C.
<input type="checkbox"/>	h	Excluded areas from Available Roof Space	§ 492-1.Definitions

2 EXITING & EGRESS

<input type="checkbox"/>	a	Roof access.....	3.2.5.3.(1)
<input type="checkbox"/>	b	Egress & access from roof, platform, podium	3.3.1.3.(2) - (4), (10)
<input type="checkbox"/>	c	Egress roof enclosure. 2 egress if > 200 m2	3.3.1.3.(5) & (6)
<input type="checkbox"/>	d	Fixed ladder access	3.6.1.5.(1)
<input type="checkbox"/>	e	Exit/egress door openable from roof side without the use of a key	3.3.1.12.(2)

3 FIRE SAFETY

<input type="checkbox"/>	a	Protection of exit facilities.....	3.2.3.13
<input type="checkbox"/>	b	Fire safety (clearance to combustibles)	§ 492-9.F.
<input type="checkbox"/>	c	Wall exposed to another wall or adjoining roof	3.2.3.14 & 15.

4 STRUCTURAL

<input type="checkbox"/>	a	Design live load including snow, rain, maximum water level to bottom of scuppers/parapet drains. - Snow piling from parapets, planters, height of plant/vegetative growth	§ 492-9.B., I, J; 4.1.5. & 4.1.6. 4.1.6. NBC User Guide Commentary G
<input type="checkbox"/>	b	Design dead loads of all materials [min soil DL 125 pcf (2,000 Kg/m ³) unless test report otherwise]	§ 492-9.B.2.(b), K. & 4.1.4.
<input type="checkbox"/>	c	Scuppers or parapet drains clearly noted.....	§ 492-9.D. & 4.1.6.4.
<input type="checkbox"/>	d	Wind uplift [Obtain engineer report especially where dynamic analysis is required for tall buildings]	§ 492-9.E. & 4.1.7.
<input type="checkbox"/>	e	Roof occupancy - assembly occupant load- minimum 100 psf [4.8 kPa]	§ 492-9.G. & 4.1.5.5.
<input type="checkbox"/>	f	Perimeter guards for roof occupancy	3.3.1.17.(1); 4.1.5.15. & 17

5 GREEN ROOF CONSTRUCTION

<input type="checkbox"/>	a	Anti-shear measures for slope stability [slopes in excess of 10° (17%)]	§ 492-9.C.
<input type="checkbox"/>	b	Roof covering construction – see CAN/ULC S107-M (fire test for roof coverings)	§ 492-8 D; 3.1.15.1. & 2
<input type="checkbox"/>	c	0.5 m veg free zone border, height of matured vegetation & min .5 m to combustible material	§ 492-9.F.
<input type="checkbox"/>	d	Root barrier	§ 492-9.H.1.
<input type="checkbox"/>	e	Architect/Engineer provide report on leakage test prior to installation of green roof	§ 492-9.H.2.
<input type="checkbox"/>	f	Positive slope to drain & vegetation free border around drains	§ 492-9.I.
<input type="checkbox"/>	g	Water retention mats/equivalent material	§ 492-9.J.
<input type="checkbox"/>	h	Drainage layer [to comply with ASTM E2398-05]	§ 492-9.J.
<input type="checkbox"/>	i	Growing media < 100 mm (report required confirming plant survivability)	§ 492-9.K.
<input type="checkbox"/>	j	Plant selection requirements.....	§ 492-9.L.
<input type="checkbox"/>	k	Irrigation measures to be provided.....	§ 492-9.M
<input type="checkbox"/>	l	Maintenance plan complying with CSA S478-95 to be provided	§ 492-3 & 9.N.; 5.1.4.2.(3)

6 WINDOW CLEANING

<input type="checkbox"/>	a	Provision for window cleaning (roof >8 m above ground)	4.4.4.1.
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7 MECHANICAL

<input type="checkbox"/>	a	Backflow prevention device with “severe hazard” classification for roof irrigation system	7.6.2.2.
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8 FEES

<input type="checkbox"/>	a	Included in Building Permit fees.....	§ 492-7.A.
<input type="checkbox"/>	b	Green roof stand alone permit application = <i>Green roof</i> area x applicable Service index	§ 492-7.B.