

Decks

To submit for a deck building permit, please make sure you have the following:

- Completed application form Application for permit to Construct or Demolish, click on "Building Permits" in the A to Z Services at www.newmarket.ca
- Survey or Site plan of your property showing property lines, house, deck and dimensions from edge of deck (or stairs) to each property line. This can be hand drawn but must be clear and concise and drawn to scale. (see sample)
- Construction drawings consisting of a fully dimensioned plan and section showing all structural components – piers, posts, beams, joists and decking. (see sample plan and section)
- □ Guard / handrail required if the deck is more than 2 feet above grade
 - Details must meet Ontario Building Code Supplementary Standard SB-7 Guidelines which are for wood construction only
 - If guard used is other than wood or if is it not in SB-7 then details must be stamped and signed by an engineer. Ask for details where you purchase the system
- □ Provide two (2) copies of all drawings

The Building Permit 2011 rate for decks is \$182.11, payable upon issuance of permit.

Legal & Development Services Commission Office of the Building Inspector

TOWN OF NEWMARKET 395 Mulock Drive PO Box 328 STN Main Newmarket, ON L3Y 4X7 www.newmarket.ca building@newmarket.ca 905.953.5300, ext 2400



		Pie	er Size						
Joist	Pier Spacing					Joist Size			
Span	6'	8'	10'	12'	6'	8'	10'	12'	
6'	8" dia.	8" dia.	8" dia.	10" dia.	2/2"x 6"	2/2"x 6"	2/2"x 8"	2/2"x 8"	**2 x 6
8'	8" dia.	10" dia.	10" dia.	12" dia.	2/2"x 6"	2/2"x 6"	2/2"x 8"	2/2"x 10"	**2 x 6
10'	10" dia.	10" dia.	12" dia.	12" dia.	2/2"x 6"	2/2"x 8"	2/2"x 8"	2/2"x 10"	2 x 8
12'	10" dia.	12" dia.	12" dia.	12" dia.	2/2"x 6"	2/2"x 8"	2/2"x 10"	2/2"x 10"	2 x 10

Deck Permit Specifications

Wood Deck (2500 PSF)

		Pie	er Size			Joist Size			
Joist		Pier	Spacing						
Span	6'	8'	10'	12'	6'	8'	10'	12'	
6'	8" dia.	10" dia.	10" dia.	12" dia.	2/2"x	2/2"x	2/2"x 8"	2/2"x	**2 x 6
					6"	6"		10"	
8'	10" dia.	10" dia.	12" dia.	12" dia.	2/2"x	2/2"x	2/2"x 8"	2/2"x	**2 x 6
					6"	6"		10"	
10'	10" dia.	12" dia.	12" dia.	14" dia.	2/2"x	2/2"x	2/2"x	2/2"x	2 x 8
					6"	8"	10"	12"	
12'	10" dia.	12" dia.	14" dia.	14" dia.	2/2"x	2/2"x	2/2"x	2/2"x	2 x 10
					6"	8"	10"	12"	

Wood Deck (Cantilevered) (2500 PSF)

**NOTE: All joist sizes shall be a minimum 2"x 8" with joists spaced not more than 16" on centre where the deck is more than 2'- 0" above adjacent grade.

SUPPORTED JOIST LENGTH (mm) 1500 2000 2500	1				BEAM	BIZING TA	BLE				
LENGTH (mm) 1500 2000		LIVE LOAD 1.9 K	Pa			LOAD 2.5 k		LIVE	LOAD S.O.	Pa	
(mm) 1500 2000	PIER SPACING (mm)					SPACING (m		PIER SPACING (mm)			
2000	2000 5000		4000		2000	5000	4000	2000	5000	4000	
	2/58x	40 2/58×184	3/3	8x255	2/58x140	5/58×184	5/58×255	5/58x140	2/58×255	2/58×286	
2500	2/38×	40 3/38×184	3/3	8×235	2/38x184	2/58×255	3/38x286	2/38x184	2/38x235	3/38×286	
2500	2/58×	84 2/58×255	3/3	8×286	2/58×184	3/38×235	3/38×286	2/38×184	3/38×235	4/38×286	
8000	2/58x	84 2/58×255	5/5	8×286	2/58xi84	5/58×255	4/58×286	2/88x184	5/58×255	4/58×286	
5500	2/58x	84 3/38×295	5/5	8x286	2/38x184	5/58x255	4/58x286	5/58xi84	5/58×286	N/A	
4000	2/38×	84 3/38×235	4/3	8×286	2/38×184	3/38×286	N/A	3/38x184	3/38×286	N/A	
					DIST 4	BIZING TA	BIE				
		LIVE LOAD I.9 k	P.0			LOAD 2.5 k			LOAD 5.0 k	Pa	
JOIST SPAN		IOIST SPACING (T SPACING (T SPACING (
(mm)	300				300	400	600	300	400	600	
2000	58x14	0 38×140	38	×140	38x140	38x140	38x140	38×140	38x140	38×140	
2500	58×14	0 38×140	38×184		38×140	58×140	38×184	38×140	38×184	38×184	
3000	00 38xi40 58xi84		58	x184	58x184	58x184	58×255	58x184	58 x 8 4	58×255	
8500	000 38x184 38x184		58	×255	58x184	58×255	58×255	58x255	58×295	58×255	
4000 38×235 38×235		38	×286	58×255	38×235	38×286	38×255	38×235	38×286		
		a	 ¬					-			
		SIZES	┥┝	PIER	SIZES				5 TABLE	ADDE: A COL	
SOIL BEARING CAPACITIES (kPa)			+		a2	POST	MAXIMUM	MAX, SUPPORTED DECK AREA (M2) LIVE LOAD (kPa)			
SOIL TYPE		BEARING PRESSURE (kPa		(mm)	R M ²	SIZE (mm)	(M)				
SOFT CL	AY	40	1					1.9 10.86	25 8.71	5.0 7.48	
LOOSE SA		50			0.05	89×89	1.0	5,43	4.76	4.09	
OR GRAV			$\downarrow \vdash$			01201	2.0	5.15	2,55	2.17	
FIRM CL/		75	$\dashv \vdash$	250	0,05		2.0	5.15	2.00	2.17	
COMPACT		100		500	0.08						
STIFF CL	AY	50	11		0.00						
DENSE COM		50	1	550	0.10						
SAND OR G	RAVEL		┥┝				2,0	5.67	10.98	9,45	
TILL		200	400		0.15	140×140	2.5	4.52	7.48	6.45	
CLAY SHA		300	500		0.20		3.0	6.35	5.10	4.38	
SOUND RO	CK	500		600	0.30		5,5	4,4	3.54	3.04	
PIERS	SUPP	ORTED DECK A	REA								
191	2 ×	17 = 5.4m2		1					•		
Z P2	2 x	26 = 5.2m ²								E.	
₹ P3	2 ×	17 = 3.4m ²								00	
0 P4	_	× 1.7 = 2.4m ²				C BEA					
Щ Р5		2.6 = 3.6m ²		_							
	-	17 = 2.4m ²	TED JOIST LENGTH								
S BEAMS	5 50194					0 ^{1×}	× 10 1				
X BI	_	2000mm		-	-		<u> * **</u> (=				
B2	<u> </u>	2000mm									
B3 B4	+	1400mm			L┘_iq .400 2600mm 2600mm _400 _						
	1400mm MISPAN = 2600mm					400					
	M SPAN = 2600mm T SPAN = 2000mm				(912E (M2)	N. I.9 (kpa) L					

SAMPLE SITE PLAN





