

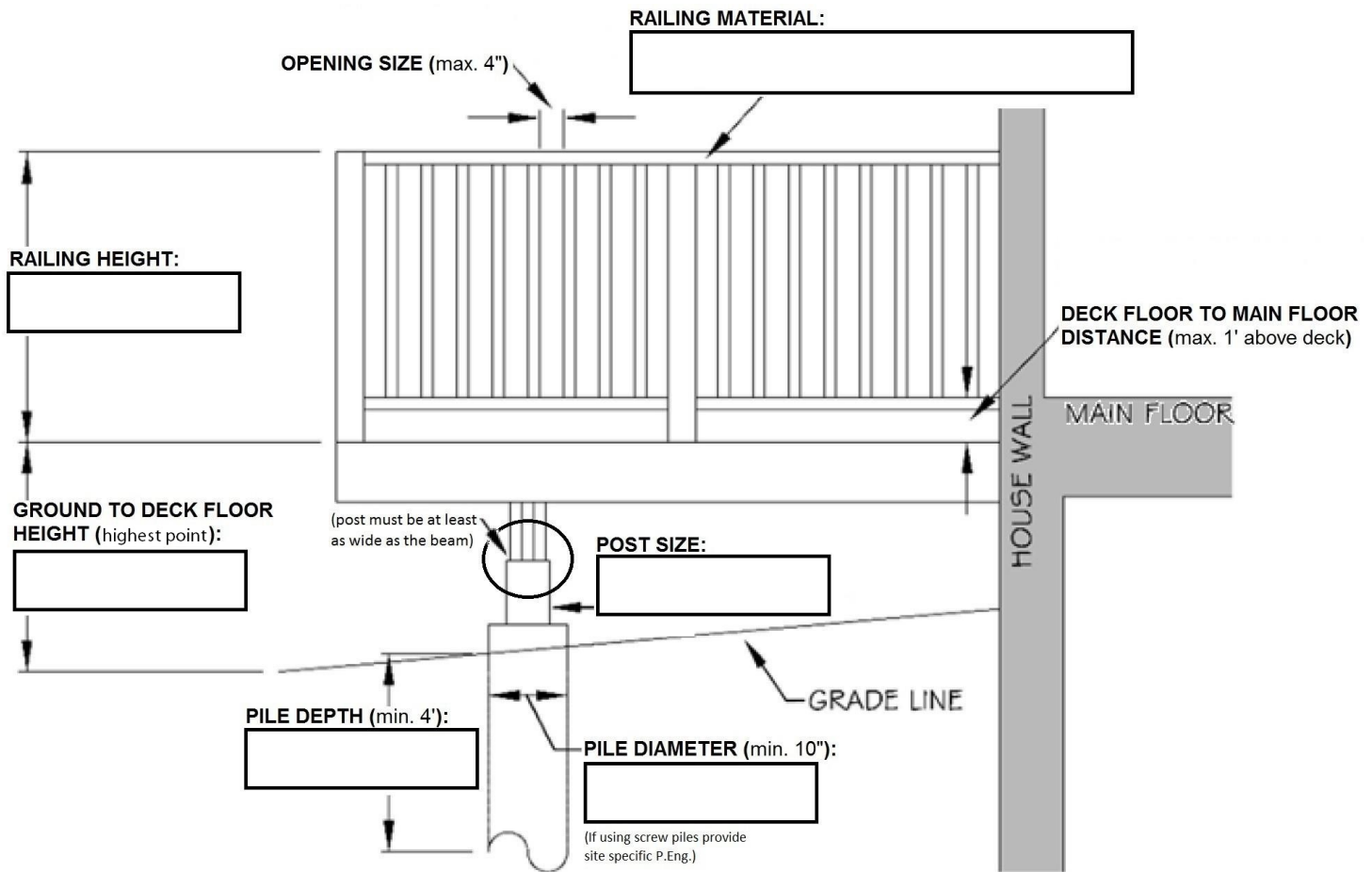
Please do not include personal information on plans

This worksheet is not mandatory but may be filled out and submitted in place of items C. Cross Section and D. Plan View listed on the [Deck Checklist](#). If your proposed deck does not fit within the guidelines of the worksheet below than separate plans must be provided to communicate the required information.

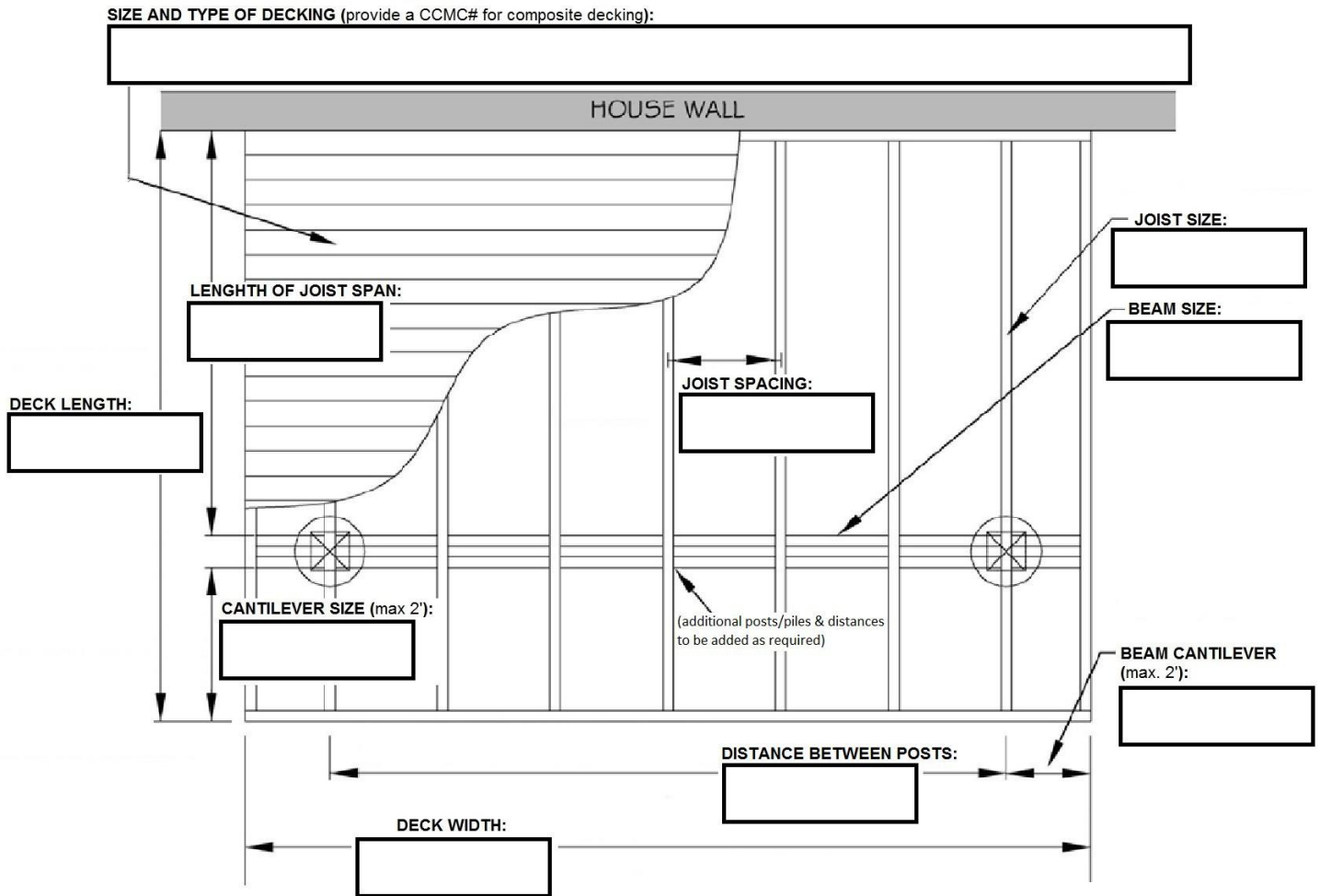
This worksheet is designed for a single level square/rectangular deck with simple structural elements (i.e. one size of joist, beam and post). The materials list from the supplier may help determine the information required for the worksheet below.

Address: _____

Cross Section



Plan View



Note: For instructions and tables for determining the joist size, joist spacing and beam size – see page 3.

*Please note:

This information has no legal status and cannot be used as an official interpretation of the various building codes and regulations currently in effect. These tables may exceed the minimum requirements prescribed in the Alberta Building Code. The City of Calgary accepts no responsibility to persons relying solely on this information.

Use the following tables to determine joist size, joist spacing and beam size.

Note: The following tables assume SPF No.1 and No.2 grade lumber.

Joist Size	2x6			2x8			2x10			2x12		
Joist Spacing	12"	16"	24"	12"	16"	24"	12"	16"	24"	12"	16"	24"
5/8" Thick Decking	9'7"	8'11"	8'2"	11'7"	11'0"	10'6"	13'8"	13'0"	12'4"	15'7"	14'10"	14'1"
3/4" Decking OR Thicker (ie Example 2x4, 2x6 or 5/4")	10'3"	9'4"	8'2"	12'4"	11'7"	10'9"	14'6"	13'8"	12'11"	16'7"	15'7"	14'8"

Joist Span

Use the following table to determine your beam size.

Determine the **Supported Joist Length**:

$$\left(\boxed{\text{Joist Span}} \div 2 \right) + \boxed{\text{Deck Cantilever size}} = \boxed{\text{Supported Joist Length}}$$

Choose a beam size and post spacing that matches or exceeds your **Supported Joist Length**.

Supported Joist Length rounded up	Beam Size (9)				Supported Joist Length rounded up	Beam Size (9)	
	2 ply 2x8	3 ply 2x8	2 ply 2x10	3 ply 2x10		3 ply 2x12	4 ply 2x12
3'-3"	11'-6"	13'-3"	14'-9"	16'-11"	8'-0"	14'-11"	17'-2"
6'-6"	9'-2"	10'-6"	11'-8"	13'-5"	10'-0"	13'-4"	15'-4"
9'-10"	8'-0"	9'-2"	10'-3"	11'-8"		Distance between posts (3) rounded up	
	Distance between posts (3) rounded up						