

**BUILDING CONSENT AUTHORITY**

OWNER'S NAME .....

DESCRIPTION OF BUILDING WORK .....

SITE ADDRESS .....

LEGAL DESCRIPTION: LOT ..... DP .....

ALL PAGES REFER TO CURRENT LOUVRETEC DESIGN MANUAL SECTION 13 - ENGINEERING REPORTS

STEP	WIND ZONE	WIND ZONE
1	WIND ZONE	<p>DETERMINE WIND ZONE FROM NZS 3604: 2011 (SECTION 5) L M H VH EH (Please circle one) OR PRESSURES FROM DESIGN CODES</p>
2	STRUCTURAL TYPE & DIMENSIONS PAGE 13.15-13.17	<p><b>STRUCTURAL TYPE &amp; DIMENSIONS</b></p> <p>DETERMINE STRUCTURE TYPE EITHER:</p> <p>1) SIMPLY SUPPORTED (FIG 1 PG 13.15) <input type="checkbox"/> Please Tick One</p> <p>2) CANTILEVER (FIG 2 PG 13.15) <input type="checkbox"/></p> <p>3) CONTINUOUS SPAN (FIG 3 PG 13.16) <input type="checkbox"/></p> <p>DETERMINE REQUIRED DIMENSIONS FROM APPROPRIATE FIGURE</p> <p>LOUVRE SPAN: _____ mm BEAM SPAN: _____ mm</p>
3	LOUVRE TYPE PAGES 13.08-13.12	<p><b>LOUVRE TYPE</b></p> <p>CHOOSE LOUVRETEC LOUVRE TYPE FROM MANUAL</p> <p>LOUVRE TYPE: _____ VERTICAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> Please Tick One</p> <p>CHECK MAX SPAN FROM TABLES 1-4, PAGES 13.08-13.12</p>
4	BEAM SIZE PAGES 13.13-13.17	<p><b>BEAM SIZE</b></p> <p>DETERMINE TRIBUTARY LENGTH FOR BEAM. DESIGN - REFER APPROPRIATE LOUVRE AND BEAM DESIGN CALCULATIONS. FIG. 1-5 ON PAGES 13.15-17</p> <p>TRIBUTARY LENGTH: _____ mm</p> <p>DETERMINE BEAM SIZE FROM PAGES 13.13-14</p> <p>BEAM SIZE: _____ mm</p>
5	POST SIZE PAGES 13.18-13.26	<p><b>POST SIZE</b></p> <p>DETERMINE TRIBUTARY AREA (ROOF AREA) TRIBUTARY EDGE LENGTH AND POST HEIGHT REFER PAGES 13.19-13.20</p> <p>TRIB. ROOF AREA: L_x W_ = _____ m<sup>2</sup></p> <p>TRIB. EDGE LENGTH: _____ mm</p> <p>POST HEIGHT: _____ mm</p> <p>SPECIFY POST SIZE FROM APPROPRIATE TABLE FOR SPECIFIED WIND ZONE REFER PAGES 13.22-13.26</p> <p>POST SIZE: _____</p>
6	FOOTING SIZE PAGES 13.27-13.29	<p><b>FOOTING SIZE</b></p> <p>MEASURE TRIBUTARY AREA LOADING POST. TRIBUTARY AREA: REFER APPROPRIATE FIGURE PAGES 13.19-13.20</p> <p>DETERMINE REQUIRED CONCRETE VOLUME FROM PG 13.27 CHOOSE APPROPRIATE FOOTING SIZE</p> <p>CONCRETE VOLUME: _____</p> <p>FOOTING SIZE: _____</p>

NOT OK, over span (choose alternative louvre type or alter structure to suit)

NOT OK, over height (increase structure to reduce roof area or add extra post)

NOT OK, too large (alter structure to reduce roof area or add extra post)