

**ELEVATION (STREET SIDE)**

NOTES:  
 1) THIS DESIGN MEETS 20kg/m<sup>2</sup> FACE DENSITY  
 2) REFER TO FENCING NOTES FOR FOOTING DETAIL  
 3) SEE LOCATION DIAGRAM - FENCE FOR FENCE PLACEMENT WITH RESPECT TO PROPERTY LINE  
 4) 19x140 AND 38x140 BOARD WIDTHS MAY VARY SLIGHTLY - ADJUST GAPS BETWEEN ADJACENT BOARDS TO ENSURE MIN. 2% OVERLAP REMAINS CONSISTENT ALONG FACE OF FENCE PANEL  
 5) FOR RESIDENTIAL SIDE SEE DETAIL

**DETAILS - WOOD FENCE**

OPTION A  
 OPTION B

**SECTION B**

**ACOUSTIC WOOD FENCE**

cosburn nauboris ltd  
 landscape architects  
 DATE: 14.04.04 SCALE: 1:25  
 DETAIL NAME: 2198venetian

**ELEVATION (STREET SIDE)**

NOTES:  
 1) THIS DESIGN MEETS 20kg/m<sup>2</sup> FACE DENSITY  
 2) REFER TO FENCING NOTES  
 3) SEE LOCATION DIAGRAM - FENCE FOR FENCE PLACEMENT WITH RESPECT TO PROPERTY LINE  
 4) 19x140 AND 38x140 BOARD WIDTHS MAY VARY SLIGHTLY - ADJUST GAPS BETWEEN ADJACENT BOARDS TO ENSURE OVERLAP (MIN. 2%) REMAINS CONSISTENT ALONG FACE OF FENCE PANEL  
 5) FOR RESIDENTIAL SIDE SEE DETAIL

**SECTION M**

**ACOUSTIC WOOD GATE**

cosburn nauboris ltd  
 landscape architects  
 DATE: 11.02.04 SCALE: 1:25  
 DETAIL NAME: 2198venetian

**SECTIONS - ACOUSTIC WOOD FENCE**

**SECTION L (ACOUSTIC GATE)**

**SECTION A (STANDARD PANEL)**

cosburn nauboris ltd  
 landscape architects  
 DATE: 11.08.05 SCALE: 1:25  
 PROJECT: 2198venetian

**FENCE BOTTOM GRADES 0-4%**  
 (GRADE DIFFERENCES OF 0-100 BETWEEN POSTS)  
 SCALE 1:20

**FENCE BOTTOM GRADES 4-6%**  
 (GRADE DIFFERENCES OF 100-150 BETWEEN POSTS)  
 SCALE 1:20

**FENCE BOTTOM GRADES 6% OR ABOVE**  
 (GRADE DIFFERENCES EXCEEDING 150 BETWEEN POSTS)  
 SCALE 1:20

NOTES:  
 1) BOTTOM RAILS MUST BE A MINIMUM OF 50 AND A MAXIMUM OF 150 ABOVE FINISH GRADE  
 2) GROUND BOARDS MAY BE TRIMMED OR BURIED (MAX 50) TO ENSURE GAPS ARE ELIMINATED BELOW ALL ACOUSTIC FENCE PANELS

**FENCE BOTTOM - ACOUSTIC WOOD FENCE**

cosburn nauboris ltd  
 landscape architects  
 DATE: 06.02.17 SCALE: AS SHOWN  
 PROJECT: 2198venetian

**RESIDENTIAL SIDE - ACOUSTIC WOOD FENCE**

NOTES:  
 1) THIS DESIGN MEETS 20kg/m<sup>2</sup> FACE DENSITY  
 2) REFER TO FENCING NOTES  
 3) REFER TO LOCATION DIAGRAM - FENCE DETAIL FOR FENCE PLACEMENT WITH RESPECT TO PROPERTY LINE  
 4) 19x140 AND 38x140 BOARD WIDTHS MAY VARY SLIGHTLY - ADJUST GAPS BETWEEN ADJACENT BOARDS TO ENSURE OVERLAP REMAINS CONSISTENT ALONG FACE OF FENCE PANEL

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 landscape architects  
 DATE: 05.06.28 SCALE: 1:25  
 DETAIL NAME: 2198venetian

**POST BASE DETAIL**

cosburn nauboris ltd  
 landscape architects  
 DATE: 05.07.04 SCALE: 1:10  
 DETAIL NAME: 2198venetian

**LOCATION DIAGRAM - FENCE**

cosburn nauboris ltd  
 landscape architects  
 DATE: 19.03.25 SCALE: 1:25  
 PROJECT: 2198venetian

**GENERAL**

- ALL MATERIALS, COMPONENTS AND WORKMANSHIP TO CONFORM TO LOCAL BY-LAWS.
- CONSTRUCT FENCING IN ACCORDANCE WITH CAN3-086.1-94 EXCEPT WHERE SPECIFIED.
- WOOD FENCING TO NLGA STANDARD GRADING RULES FOR CANADIAN LUMBER 2003 EFFECTIVE DECEMBER 1, 2005.
- ALL TIMBER CUTS SHALL BE STRAIGHT AND PLUMB.
- ALL WOOD SHALL BE DRESSED FOUR SIDES.
- ALL WOOD TO BE WESTERN RED CEDAR UNLESS INDICATED OTHERWISE, SELECTED MAINLY FOR GOOD APPEARANCE AND FREE OF WANE AND BARK POCKETS. ALL TORN GRAN SHALL BE FREE, ELIMINATED BY SANDING AND PLANING. MEMBERS EXHIBITING MODERATE TO HEAVY KNOTS SHALL BE WELL DISTRIBUTED THROUGHOUT THE INSTALLATION. WARPED OR CUPPED BOARDS ARE NOT ACCEPTABLE.
- FENCE POST SIZES - (NOT APPLICABLE TO BERMS)  
 WESTERN RED CEDAR, GRADE NO. 1  
 140 X 140 FOR FENCE HEIGHT ≤2200  
 140 X 190 FOR FENCE HEIGHT >2200 AND ≤2600
- FENCE FOOTINGS (450 DIA. 2700 WIDE POST SPACING MAX) DEPTH  
 1500 FOR FENCE HEIGHTS ≤2000  
 1800 FOR FENCE HEIGHTS >2000 AND ≤2400  
 2000 FOR FENCE HEIGHTS >2400 AND ≤2600
- FOR ACOUSTIC FENCES MINIMUM PANEL THICKNESS WILL BE 51MM (THIS IS EQUIVALENT TO 20kg/m<sup>2</sup> FACE DENSITY).
- ALL LUMBER SIZES ARE ACTUAL SIZES RATHER THAN NOMINAL SIZES.
- ACOUSTIC FENCE SHALL BE FREE OF ALL HOLES, GAPS AND CRACKS.
- LAG SCREWS AND BOLTS SHALL BE GALVANIZED AND CONFORM TO ASTM A307.
- ALL GALVANIZING TO BE HOT DIPPED IN CONFORMANCE TO CSA STANDARD 616A.
- ALL NAILS GALVANIZED ARDOX, CONFORMING TO CSA STANDARD, AND 75mm UNLESS NOTED OTHERWISE. ALL NAILS TO BE EVENLY SPACED AND SET NOT LESS THAN 25mm FROM EDGE OF ANY MEMBER. PNEUMATIC NAILING IS NOT PERMITTED.
- RAILS - 3 NAILS TO POST AT EACH END, 3 NAILS THRU BOTTOM FRONT RAIL TO VERTICAL MEMBERS AND 3 NAILS TO SKIRT BOARD IN STAGGERED PATTERN.  
 FACER BOARDS - 2 NAILS (88mm) TOP AND BOTTOM TO RAILS.
- COUNTERSINK ALL LAG SCREWS AND BOLTS AND DRIVE ALL NAIL HEADS BELOW SURFACE OF WOOD.
- FOUNDATION DESIGN WAS BASE ON THE FOLLOWING PROPERTIES:  
 SOIL WEIGHT = 19kN/M, Kp=2.5  
 MINIMUM SOIL BEARING CAPACITY = 100 KPa  
 HAVE GEOTECHNICAL ENGINEER TO VERIFY SOIL CONDITION FOR THE ABOVE PROPERTIES PRIOR TO PROCEEDING WITH WORK.
- FENCING TO BE STAINED WITH TWO COATS OF SOLIGNUM STAIN OR APPROVED EQUAL. BOTH SIDES OF FENCE. COLOUR TO BE DETERMINED BY LANDSCAPE ARCHITECT.

**FENCE DESIGN CRITERIA (STRUCTURAL)**


**COMMON CRITERIA**  
 BASIC WIND PRESSURE 1/50 : 0.57 KPa  
 GUST FACTOR 2.0  
 WIND FORCE FACTOR 1.2

**CRITERIA - SPECIFIC TO PRIVACY FENCE**  
 EXPOSURE COEFFICIENT C<sub>e</sub> 0.5  
 DESIGN WIND PRESSURE K<sub>p</sub> 0.54  
 COEFFICIENT OF PASSIVE RES. K<sub>p</sub> 2.5

**CRITERIA SPECIFIC TO ACOUSTIC FENCE (NOT ON BERMS EXCEEDING 1.0M)**  
 EXPOSURE COEFFICIENT C<sub>e</sub> 0.75  
 DESIGN WIND PRESSURE K<sub>p</sub> 0.82  
 COEFFICIENT OF PASSIVE RES. K<sub>p</sub> 2.5

**FENCING NOTES**

cosburn nauboris ltd  
 landscape architects  
 DATE: 11.08.08 SCALE: N.T.S.  
 PROJECT: 2198venetian

2	Issued for SPA Resubmission	CMO	19 03 25
1	Issued for SPA Submission	MR	18 04 23
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landscape architects		cosburnnauboris.ca	
24 REACH STREET VENETIAN GROUP TOWNSHIP OF UXBRIDGE			
DETAILS			
Drawn by	CMO	Scale	AS SHOWN
Checked by	PHC	Plot Date	2019-03-25
Approved by	PHC	Project	2198
			<b>LD1</b> Drawing No.