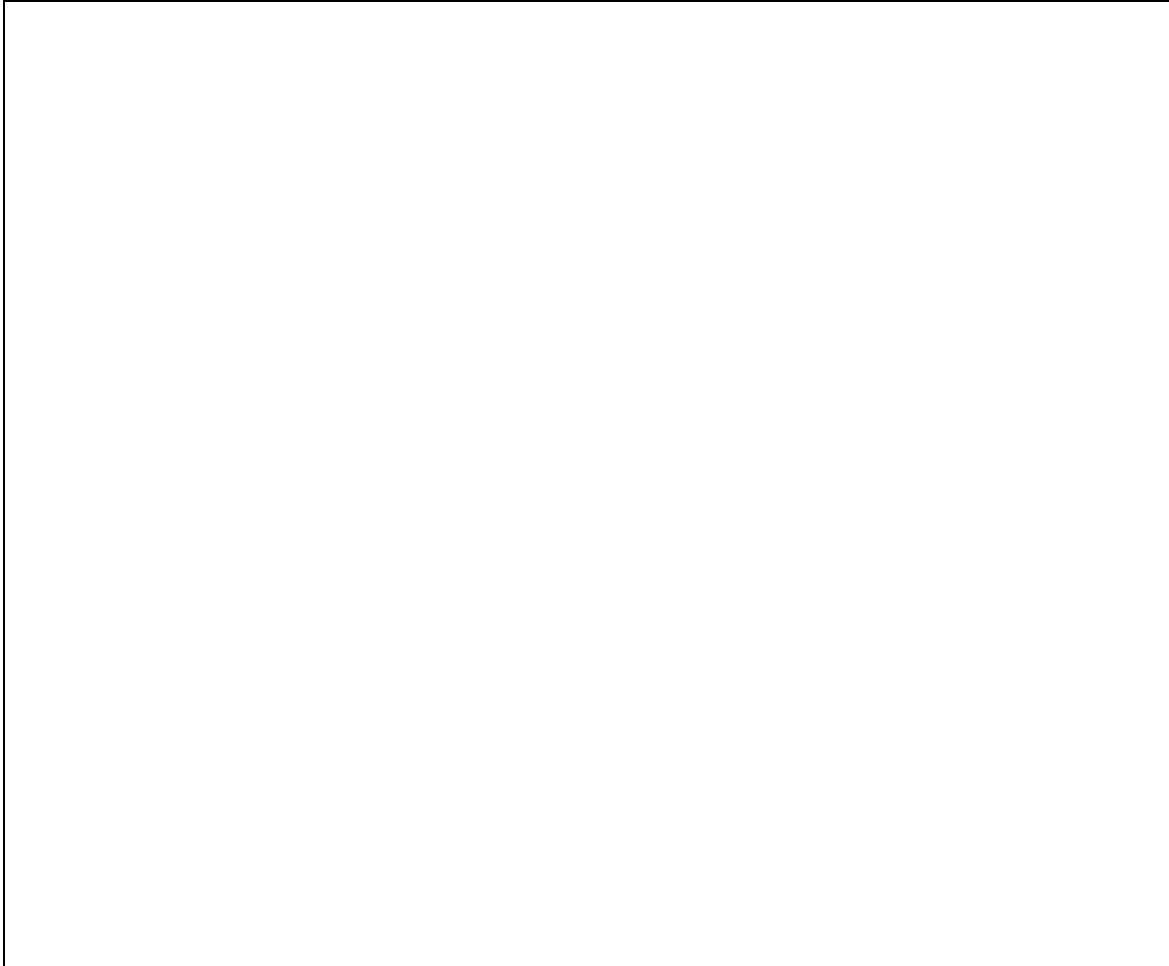


TED FULLERTON



Kelowna Gateway/Sculpture

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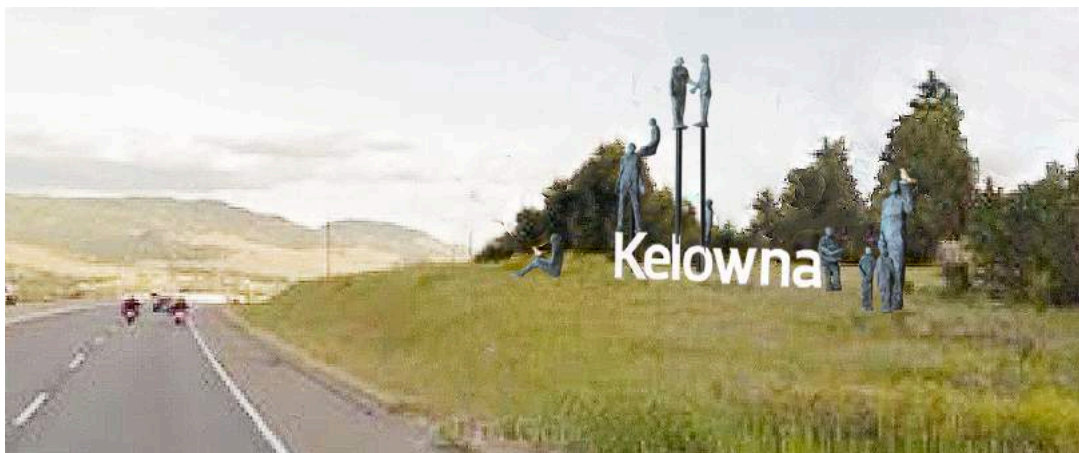
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Ted Fullerton: Brief Biography

Ted Fullerton is a Canadian artist who works in painting, drawing, printmaking and sculpture and has achieved awards in all four media. As a figurative artist his work is symbolic in nature. The conceptual foundation and ideology within his artistic practice is humanist in nature emphasizing the notion of belief, purpose and relationships: being and becoming. His work is exhibited nationally and internationally and is represented in numerous private and public collections. He has participated in over 55 solo exhibitions and 100 group exhibitions. He was awarded, Excellence in the Arts by the City of Barrie in 2010, the Georgian College Board of Governors Award of Excellence in 2012 and has been a member of the Royal Canadian Academy since 2009. He has been commissioned for a number of public sculpture commissions, most recently for Manitoulin Island that addresses, Reconciliation. As an educator, he was professor and head of the Fine Art Program at Georgian College, School of Design and Visual Art from 1978-2013. He has also been active as a curator and writer, where he has focused on artist's work or collections that have caught his interest.

Concept Statement:

Imagine Kelowna is the impetus and inspiration for the sculpture/installation that will act as an emblematic - unique gateway and cognitive landmark referencing and signifying the City of Kelowna and its community. Its intent, through image and form is to suggest that community (people), identity, inclusivity and diversity are immediately recognized as it associates to the city's name and place. Through symbolic, representative and iconic symbols as well as insinuated figurative gesture, human values that reflect on the past while inspiring a progressive future will be immediately recognized and felt. It will suggest individuality, relationships, belief, and purpose collectively with a vision of prosperity and promise supporting the principals and goals of collaboration, innovation, connection and social/environmental responsibility. As a result this sculpture/gateway will take on a social connection within its aesthetic and breadth of interpretation allowing a "humanist" deliberation thus facilitating a work of art/gateway that has on going relevance to the uniqueness of place while making reference to a historical past and an evolving future. As a significant cognitive landmark and gateway it will symbolically suggest a forward moving community that is evolving yet mindful of individual principles and environment while instilling human ideals of "being" and "becoming."



Description, Methodology and Materials:

This sculpture/gateway will be positioned on the grassy incline off highway 97 N, preferred site #3 as suggested by the City staff/planner. It will be comprised of the name Kelowna in bold laser cut steel. Each letter will be positioned slightly and progressively in front of each other and powder coated a (gold) lemon yellow. Yellow is symbolic for inspiration, happiness, optimism, remembrance, loyalty and joy. The tallest letters “K” and “l” in the name Kelowna will be approximately 1.21m (4’) H and the lower case letters 91.44cm (3’) H. The letters will be staggered on an angle the width of each font 60.96cm (2”). As a result the length of the name Kelowna will be approximately 6.09m (20’) L x 30.48cm(1’)W. The name will be clearly visible from a distance to on coming traffic. Engaged and integrated around and with the city’s name will be 10 cold cast figures slightly larger than life. The cold cast figures with a cast bronze appearance (oxidized green patina) will be created in a way so the viewer can presume a breadth of “identity” and diversity on and with them. Each figure will assume a different gesture insinuating a breadth of “connection” to each other and in association with the city of Kelowna. Although the gestures and symbols associated with the figures will be subtle, viewers will quickly assume their collective importance and experience something new each time they connect, in passing, with the sculpture/gateway.

The first figure to on coming traffic, placed forward of the city’s name, will be an image of a woman holding a (gold) lemon yellow bird – the same color as the powder coat coloring on the letters in the city’s name. The bird is a symbol of hope, freedom and inspiration - past and present. Although the bird will be slightly larger than life it’s iconic “image” will be immediately identified and assumed while it’s coloring – (gold) lemon yellow – will align and reinforce symbolically the superlative, Imagine Kelowna. Standing at the feet of the female figure will be two children in conversational fun signifying a positive future. Positioned as if leaning on the last letter in Kelowna, the letter “a”, is a person reading implying a learned past, knowledge and innovation. Surmounted on the “K” in Kelowna will be a tall proud and intrepid individual, freely greeting and welcoming all who are passing by. Behind the “l” and the “o” is a standing person looking up at the figure surmounted on the letter “K” with wonder and admiration. Behind the standing figure on the letter “K” will be a galvanized steel pole painted flat black 2.74m (9’) H with a person/figure in a seated position surmounted on top. This seated figure suggests “elders” embodying wisdom and contribution. Positioned slightly behind the “elder” on two separate galvanized steel poles painted flat black, 4.26m (14’) will be two separate persons in mutual engagement and conversation suggesting individuality, respect and relationships. The 10th figure, positioned at grade level with legs pulled up and arms wrapped around them, will insinuate the possibilities and dreams of the young and elderly alike - the future. Perched on the top of this figures knee, will be a second (gold) lemon yellow bird symbolizing inspiration and potential with its beak pointed/directed towards Kelowna. The figure’s gaze towards the bird will assume a perspective of possibilities and belief. The symbolic “golden bird” will associate directly with the coloring on the city’s name – Kelowna –that also aligns with the bird in the hand of the first standing female figure. As a result the 10th and last figure within the grouping will imply singularly and collectively with the others, the humanist deliberation, “imagine Kelowna”.



Maquette/Model

Scale: 1.2cm = 30.48cm (1/2" = 1')

This sculpture/gateway footprint will roughly engage: 364.54sq.m (14.02m x 7.92m) - 1196 sq. ft. (46' x 26') and will fit within the defined designated area that has a circumference of approximately 18.28m (60').



The steel letters of the City name Kelowna will sit on a 55 degrees angle from the highway edge. It will be placed on the 439 grade level as defined on the topographical elevations of the sculpture/gateway site including the figures surmounted on the steel poles. The standing figure with the bird – and two child figures – and the seated figure with the bird on its knees will be positioned on the 438 grade level.

To fully understand and grasp the sculpture/installation grouping of figures and the City name it should be viewed on an angle and at the level traffic would be seeing it - horizontal. The front/face side of the maquette/model would parallel #97.

Materials, Technologies:

Please note: The structural design of this proposed sculpture will be confirmed by a structural engineer. Some of the dimensions may vary as a result.

Steel Letters: City name, Kelowna

Each letter will be individually produced utilizing a water-jet cutter and powder coated a (gold) lemon yellow. A base plate extending from the back of each letter and chemically anchored with 4 bolts into the concrete pad will secure the letters and city name - Kelowna. The letters will be placed in a “progressive” angle on the concrete pad. Each letter will sit 5.08cm (2”) forward of the previous letter. The powder-coated letters will be the same color as the two birds.



Ral-1012-Lemon Yellow

Height (Letter “K” and “l”): 1.21m (4’)

Height (lower case): .91m (3’)

Letter Size Thickness: 5.08cm (2’)

Letter Base Plates: 60.96cm(2’L x 30.48cm(1’W x 5.08cm(1’T- 2 plates for each letter except for the “e”, “l” and “o”.

The current Kelowna brand name and font will be used.

There will be a steel attachment pin placed on the “K” to support the surmounted standing figure, and a steel pin placed on the side of the “a” to secure the leaning reading figure. Each figure will be chemically anchored to its steel pin. (The “reading figure” will also be secured and chemically anchored with a steel plate under its feet to an Indiana Limestone footing.)

Each steel letter will be anchored to the concrete footing by an attached/fabricated base plate. Each base plate will have 4 - 1.27cm (½”) headed anchor bolts chemically anchored into the concrete foundation. (To be confirmed by a structural engineer)

Cold Cast Figures

Size: Each figure will be slightly larger than life (ie) the standing figure on the “K” will be 2.13m (7’). The figures will be cold cast using a reinforced polyester resin that has been formulated for the artist and can withstand the extremes of the Canadian climate. It will be reinforced with a galvanized steel armature cast directly into the figure. (Please refer to the artists previous work with respect to this process and material – example 1- City of

Kitchener - The six 2.13m (7') figures on the exterior wall of the Diamond and Schmitt building, example 2- City of Guelph - the two monumental perched birds, example 3 - Royal Botanical Gardens - (H)our Glass), example 4 - Ascend,/Transcend, Manitoulin Island - additional examples can be provided.

Sample Image of the internal galvanized steel armature



The figures mounted on the footings, base/plinths will be anchored with a 1.27cm (1/2")T galvanized steel plate extending out from the base of the figure. The plates will have the same surface dimensions as the stone footing. Each plate will be predrilled and chemically anchored with 4- 1.27cm (1/2") headed anchor bolts. Each figure will be chemically anchored to the steel plates by inserting the internal armature onto a fabricated pin welded to the base plate.

The 3 figures surmounted on the steel poles will weigh approximately 36.28kg (80lbs) – 56.69 kgs. (125lbs). The figures will be mounted on each pole by inserting the hollow steel infrastructure/armature at the heel of the figure on a pin that is welded to the 30.48cm x 30.48cm x .95cm (12" x 12"x 3/8") top plate. Once they have been inserted onto the pin they will be locked into place with a securing bolt at the heel of the figures stationary foot.

Steel Poles

The 12.7 x 12.7cm (5" x 5") HSS galvanized steel poles will be painted with a flat black exterior paint. The plate at the base of the pole will be 40.64 x 40.64cm x 1.9cm x (16" x 16" x 3/4"). There will be four 1.9cm (.75") DIA, anchor bolts at 30.48cm (12") c/c each way that will secure the poles base plate to the footing. These anchor bolts will be set into the floating concrete footing and chemically anchored.

One Steel Pole (Elder – sitting figure): 2.74m (9')H

Two Steel Poles (2 figures): 4.26m (14')H

Structural Specs. (To be confirmed by the structural engineer)

Poles: HSS 12.7x12.7 x .95cm (5"x 5"x.38")

Cap Plate: 30.48cm x 30.48cm x .95cm (12"x12"x3/8") Welded to HSS with .96 (.38")

Fillet Weld All Round.

Armature Pin: 2.54 x 2.54x15.24cm (1"x1"x6") SS/ .63cm (.25) Fillet Weld All Round

Armature Insert: 3.17cmx3.17cm (1.25"x1.25") HSS

Lock Screws: .95cm (3.8")

Base Plate: 40.64x40.64x1.8cm (16"x16"x.75") Welded to HSS with .95cm (.38") Fillet Weld All Round

Anchor Bolts - 4: 1.90cm (.75cm) DIA at 30.48cm (12") CC each way.

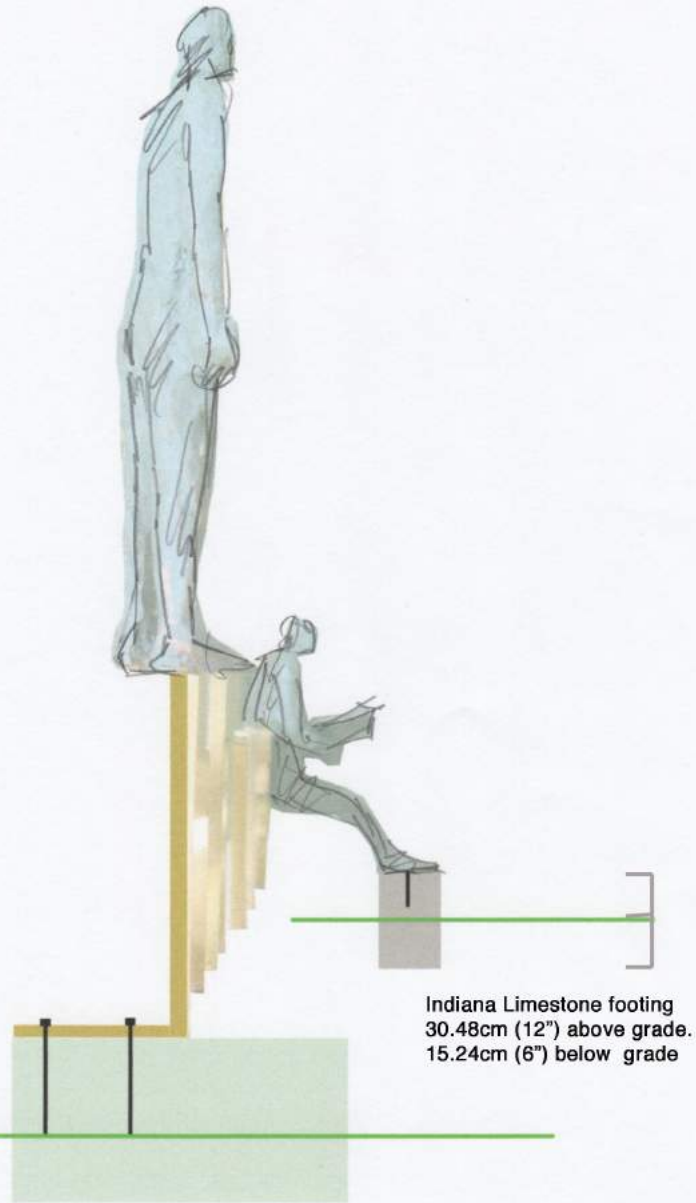
Concrete Floating Pad and Indiana Limestone Footings/Plinths:

To be determined by the structural engineer.

Size: Each figure will be slightly larger than life (ie) the standing figure on the "K" will be 2.13m (7').

Height (Letter "K" and "I"): 1.21m (4')
Height (lower case): .91m (3')
Letter Size Thickness: 5.08cm (2")
Letter Base Plates: 60.96cm(2')L x 30.48cm(1')W x 5.08cm(1")T- 2 plates for each letter except for the "e", "l" and "o".
Each letter will be secured with anchor bolts and a chemical anchor.

Reinforced floating concrete pad 30.48cm (12") above grade.
15.24 cm(6") below grade



6.70m(22')L x 1.21m(4')W
(to be confirmed by the structural engineer).

The figures will be mounted on each pole by inserting the hollow steel infrastructure/armature at the heel of the figure on a pin that is welded to the 30.48cm x 30.48cm x .95cm (12" x 12" x 3/8") top plate. Once they have been inserted onto the pin they will be locked into place with a securing bolt at the heel of the figures stationary foot.

Steel Poles

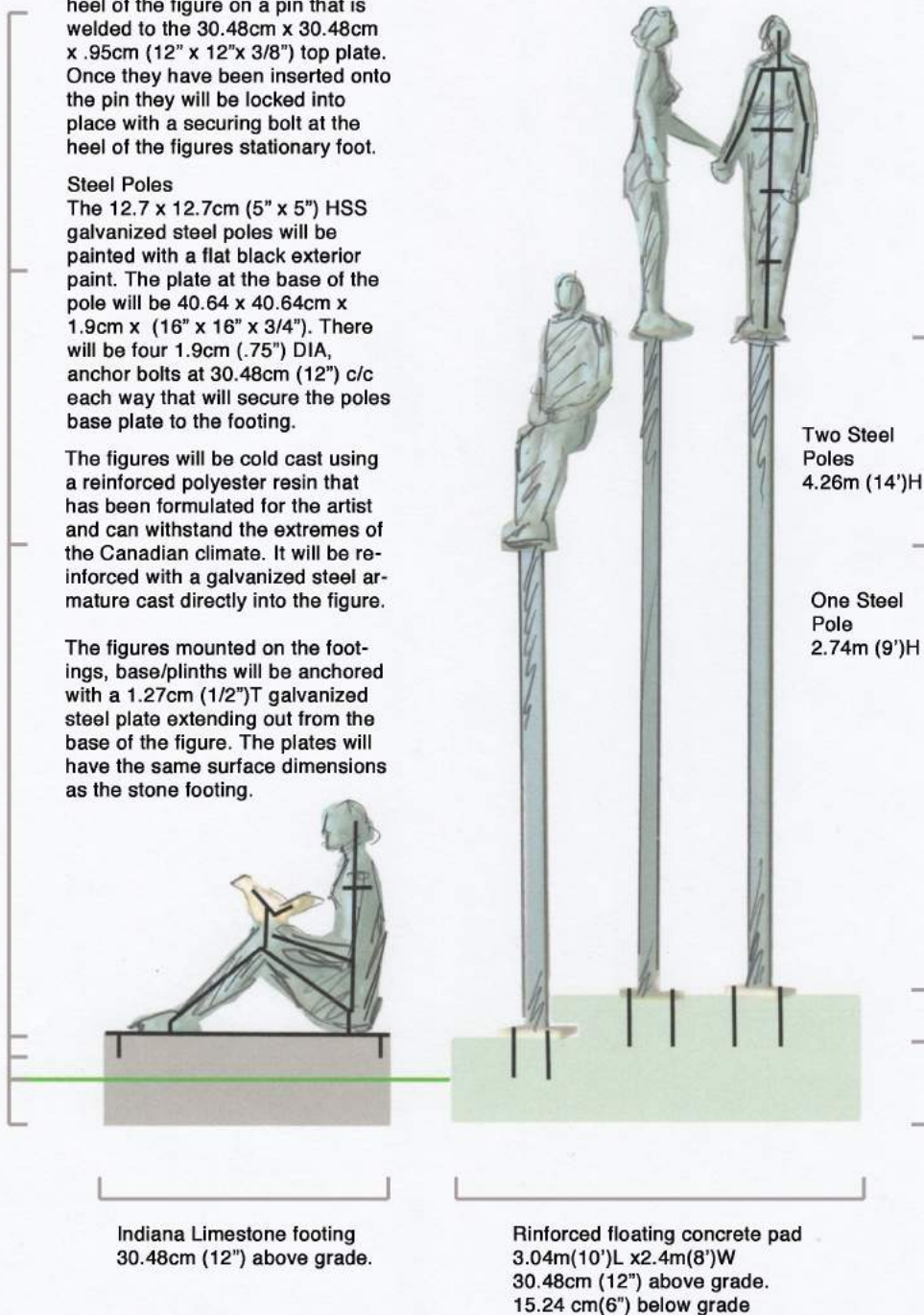
The 12.7 x 12.7cm (5" x 5") HSS galvanized steel poles will be painted with a flat black exterior paint. The plate at the base of the pole will be 40.64 x 40.64cm x 1.9cm x (16" x 16" x 3/4"). There will be four 1.9cm (.75") DIA, anchor bolts at 30.48cm (12") c/c each way that will secure the poles base plate to the footing.

The figures will be cold cast using a reinforced polyester resin that has been formulated for the artist and can withstand the extremes of the Canadian climate. It will be reinforced with a galvanized steel armature cast directly into the figure.

The figures mounted on the footings, base/plinths will be anchored with a 1.27cm (1/2") T galvanized steel plate extending out from the base of the figure. The plates will have the same surface dimensions as the stone footing.

Steel Poles, Figures

To be determined by the structural engineer.



Examples of Previous Work Utilizing Cold Casting

1. Pedestrian: City of Kitchener



2. City of Guelph (Bird Watching/Perch – 3rd and 4th image



3. (H)our Glass: Royal Botanical Garden



4. Ascend/Transcend: Manitoulin Island



Concrete Floating Pad and Indiana Limestone Footings/Plinths:

To be determined by the structural engineer.

The floating concrete footings/plinths for each figure and steel letters will be consistent in their height of 30.48cm (12") above grade to compensate for snow and drifting. The concrete floating pad – at grade – for the 3 figures surmounted on steel poles will be approximately 3.04m(10')L x 2.4m(8')W. The floating concrete footing for the steel letters – Kelowna – will be approximately 6.70m(22')L x 1.21m(4')W (to be confirmed by the structural engineer). The dimensions of each floating footing/plinth for the figures will vary in dimension depending on the figure. I am recommending the 4 floating footings/plinths required for the four figures are cut stone (Indiana Limestone). This will allow the ability for a precise placement during the installation because of the ability to shift their positions - if necessary - ensuring the figures are exact in their location.

Indiana Limestone footings:

1. Female Figure/Bird and two children: 1.21mx.91mx45.72cm (4'L x 3'W x 1.5'T)
2. Standing Figure behind the letters "e" and "l": 45.72cmx45.72cmx45.72cm (1.5'Lx1.5'W x 1.5'T)
3. Leaning Figure Reading/feet: 45.72cmx45.72cmx45.72cm (1.5'Lx1.5'W x 1.5'T)
4. Seated Figure with legs up and bird on knees: 1.52Mx60.96cmx45.72cm (5'L x 2'W x 1.5'T)

Installation

This sculpture will be installed by one of Canada's foremost experts in this field, Wingenback Inc., (Vancouver Division). They have received and reviewed the specifications of the sculpture and site and have recommended an approach with the appropriate equipment for the install. All the footings will be completed at least two weeks prior to the installation. The steel poles will be assembled with the surmounted figures, hoist into position and secured. The 7 steel letters will be placed and secured to the concrete pad. The figures will be placed and secured. Approximate time, 10 hours.

Maintenance Program

This sculpture/gateway will require no maintenance. Like most objects exposed to the outdoor climate the cold cast figures may require a patina/coloring in approximately 20 years. This would take approximately 3-4 hours and minimal material costs. Each figure will be coated with 3 layers of a foundry wax that will resist weathering. It will also act as a protective barrier against the possibility of graffiti. Should the figures be tagged, the graffiti can be easily removed with an acetone solvent, because the tag will be on the surface of the wax surface. Once the graffiti is removed a fresh coat of wax is applied. A maintenance document will be submitted identifying all materials and their applications for future reference.

Safety

This sculpture will not pose any safety concerns.

Warranty Period

The longevity of this sculpture is on going (for generations) and will resist the extreme Canadian climate because of the materials and fabrication employed.

Collaborative Partners and Contactors:

Cold Casting:

The Artist's Studio
2 studio assistants.

Steel Fabrication: (Internal figure armatures)

Endemans Ironcraft Ltd.
10378 ON-9
Palgrave, On
L0N 1P0
519 941-2876

Steel Fabrication: (Kelowna letters, steel poles)

MK Technologies
Marty Knoll
3396 Sexsmith Road, Bld.11
Kelowna, BC, V1X 7S5
Office: 250-491-3565
Cell: 250-317-4947

Foundation Contractor:

Silver Springs Concrete
Kay Brown
1111 St. Paul St.
Kelowna, BC
250 860 3047

Stone Fabricator: (Indiana Limestone Plinths)

Timberstone
110 2250 Acland Road,
Kelowna, BC V1X 6N6
778-796-0811
wanda@tsdstone.ca

Transportation: 10 figures to Wingenback Inc. Vancouver division from Ontario

FYM Transport
3315 Fairview Rd.
Oliver, BC
V0H 1T5
514 952 9205
fymtransport@yahoo.com

Transport and Installation: (Installation of the sculptural components)

Wingenback Inc.
Darren Tangermann
204,9710 -187th St,
Surrey, BC

V4N 3N2
604 513 0035

Engineer:

KO Structural Engineering – recommended, to be confirmed
1913 Kent Road
Kelowna, BC
V1Y 7S6
236 420 3640

Insurance: (2 million)

Intact
59 Westuey Rd. S
Unit 8, Ajax, On
L1S 2C9
Broker: Lomonte and Collings Insurance Services

Projected Implementation and Timeline (Critical Path)

1st Month

- *Notification of the successful submission
- *2 million dollars of Liability Insurance confirmed.
- *Contract reviewed and signed.
- *All contractors notified, timelines confirmed and payment schedule agreed upon. A revised current critical path submitted to the project coordinator and commission coordinator.
- *Engineer structural drawings produced, approved and submitted to the on site construction manager.
- *Fabrication of the steel armatures for the cold cast sculpture components – 10 figures.
- Figurative sculptural components started.
- *Fabrication of the steel letters and steel poles – Kelowna

Milestone: Digital images of the completed figures before the mold making process and written summary sent to the Commission Coordinator verifying artistic integrity.

2nd - 3rd Month

- *Figures sculpted and molds taken from the clay figures for the cold casting.

3rd - 4th Month

- *Steel letters/poles and powder coating completed.
- *Molds dried and prepared for the cold casting process. (Estimated time for casting process, 1 month)

- 5th Month * Cold casting completed, patina/coloring applied and waxed.

Milestone: Digital Images of the cold cast figures sent to the Commission Coordinator with summary.

5th - 6th Month

*Concrete pad/footings installed.

*Figures shipped to Kelowna for installation

Milestone: *A revised critical path defining the installation dates and details of the process submitted to the Commission Coordinator and Construction coordinator for approval.*

*Confirmation with all parties concerned regarding the finalized installation dates and transportation of the sculpture.

*Installation crews and equipment arranged and appropriate permits obtained. Dates confirmed for the installation.

*Sculpture installation site prepared.

*Installation of the sculpture. (Approximately 10 hours)

*Site inspection

Budget - provincial taxes included with price estimate

Structural Engineer (estimated costing)	\$ 2,500.00
Studio Assistants	\$ 20,000.00
Fabrication-sculpture armatures (Ontario) + HST	\$ 8,983.50
Fabricated Poles and Letters (Kelowna) +HST	\$ 26,320.00
Cold Casting – 10 figures + HST	\$ 50,000.00
Transportation of 10 figures to BC + HST	\$ 8,767.50
Transportation and Installation (Wingenback) + HST	\$ 8,971.20
Concrete Footings +HST	\$ 15,000.00
Indiana Limestone Footings/Plinths + HST	\$ 10,431.22
Insurance	\$ 1,600.00
Sub Total - including HST	\$ 152,573.42
Artist Fee	\$ 30,000.00

Total **\$ 182,573.42**

Costing may vary based on the structural engineers recommendations.

Costing does not include travel for the artist for a site visit and installation.

Stages For Payment: Please note the payment installments should be coordinated with the contractors and fabricators request for down payment and release of finished goods for installation.