

Memo



Date: May 12, 2010
File: 1405-20
To: City Manager
From: Director, Regional Services
Subject: Bus Stop Shelter Award

Report Prepared by: Jerry Dombowsky, Regional Programs Manager

Recommendation:

THAT Council award a contract for the supply of bus shelters to Enseicom Inc. up to \$675,000.

Purpose:

This contract award is over the authorized approval limit the City Manager and therefore is being brought to Council for award.

Background:

The City is the administrator of funding provided through the Provincial Public Transit Infrastructure Program (PTIP) for general bus stop improvements. As such we are working with our local partners in Kelowna Regional Transit to implement the proposed improvements. The improvements include bus pullouts, concrete pads for transit users and in many locations bus shelters.

The City called for proposals for the supply of up to 60 new bus shelters. We received 7 proposal submissions but 4 were disqualified for not meeting the conditions set out in the proposal call. The submission by Enseicom Inc. was judged by the review panel as the best submission.

The local government or road authority where the bus stop improvements are being made will be required to enter into a contract for the ongoing maintenance of the works once they are completed. Bus stop shelters will be provided to these authorities on this basis.

Financial/Budgetary Considerations:

Funding is included in the 2010 budget for this purchase.

Considerations not applicable to this report:

Internal Circulation
Legal/Statutory Authority
Legal/Statutory Procedural Requirements
Existing Policy

A handwritten signature in black ink, appearing to be the initials "JD" or similar, located at the bottom right of the page.

Personnel Implications
External Agency/Public Comments
Community & Media Relations Comments
Alternate Recommendation:

Submitted by:



R. Westlake, Director Regional Services

Approved for inclusion:



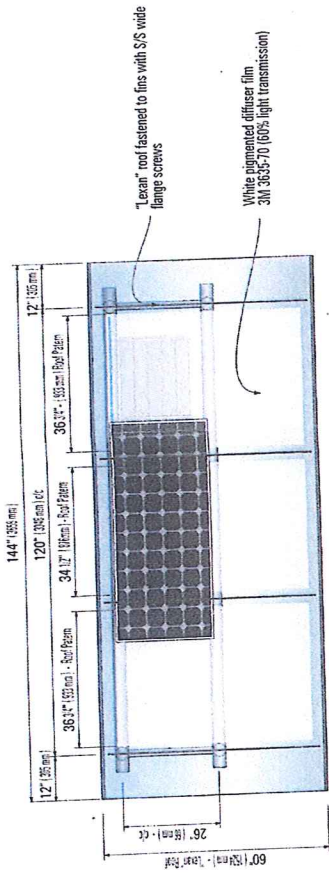
J. Paterson, General Manager Community Sustainability

CC: C. Stephens, Director, Community & Media Relations

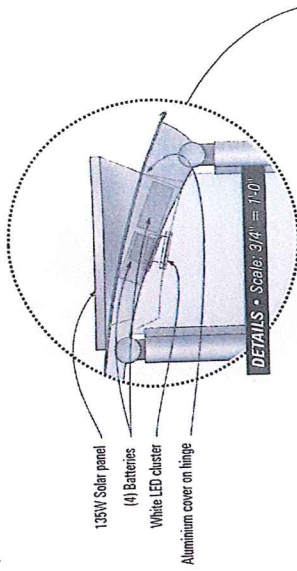
ITEM 1
CANTILEVER MARROWING SHELTERS - SOLAR

- Shelter structure fabricated all in aluminum:
- 3 1/2" O.D. custom extrusion 6061-T6
- 2" x 4" aluminum tubing 6061-T6
- 3/8" thick machined aluminum plate 6061-T6
- Aluminum components of shelter received metallic silver #PM211S11 powder coat paint.
- Adjustable legs for leveling in galvanized steel.
- All fasteners to be stainless steel or hot dipped galvanized structural bolts A325.
- 3/8" thick tempered glass panels at back & sides with silver "CeramicFrit" safety lines.
- 3/16" thick cold form greenish "CE XL10 Lexan" roof covered of 3M #3635-70 white diffuser film pattern (60% light transmission).
- Shelter supplied with following items:
 - (1) 7Watts white overhead LED cluster (6ft canopy at ground level)
 - (1) Kwesera KD135
 - (1) 13.5V - solar panel 12Vx18"
 - (6) Batteries HA266C CIS 10-1.0
 - (1) Phocos controller CIS 10-1.0
 - 9 days of active unit dusk to dawn
 - 50ft leads
 - (1) Three seated bench fabricated of recycled plastic slats, steel tubing & elliptical steel base with "e-coat" & metallic silver powder coat paint.
- Option:**
 - (1) Three seated bench fabricated of recycled plastic slats, steel tubing & elliptical steel base with "e-coat" & metallic silver powder coat paint.
- Bench supplied without slats.**
- 2" x 4" Red cedar slats to be supplied by others** (Enseicom provides mounting instructions for slats)

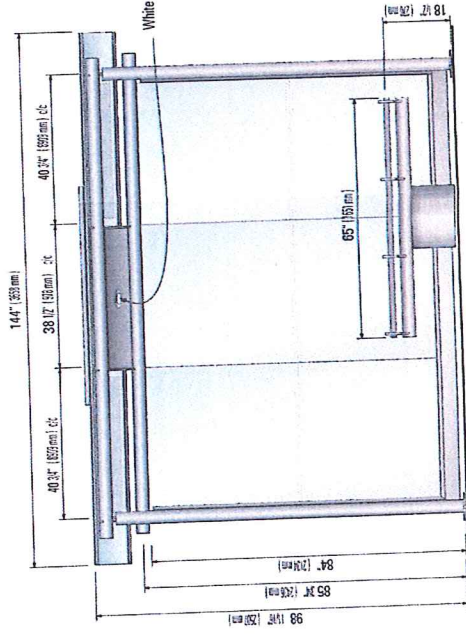
NOTE
NON FACTORED DESIGN LOADS:
(National Building Code of Canada 2005)
Hourly Wind Pressure (1/50) = 0.47 KPa
Snow Load (1/50) S_g=1.7KPa
S_f=0.1KPa



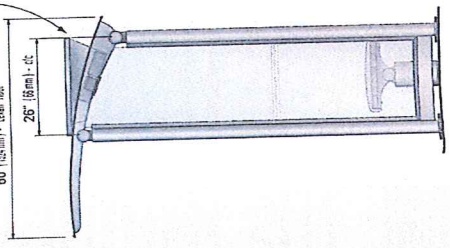
TOP VIEW • Scale: 3/8" = 1'-0"



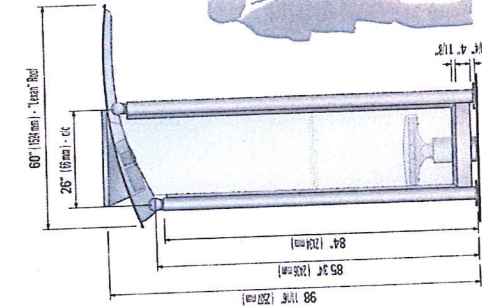
DETAILS • Scale: 3/4" = 1'-0"



FRONT ELEVATION • Scale: 3/8" = 1'-0"



RIGHT SIDE • Scale: 3/8" = 1'-0"



LEFT SIDE • Scale: 3/8" = 1'-0"

PROJECT #	OT10-0118
DRAWING #	D 6354-1
DATE	J

CITY:	City of Kelowna
LOCATION:	Kelowna
PROJECT:	Shelter
ARCHITECT:	Con Moussis
DATE:	April 15th, 2010
SCALE:	1/8" = 1'-0"
DESIGNED BY:	J. Brisebois
CHECKED BY:	
DATE:	

GRAPHIC LAYOUT

APPROVAL

APPROVED AS SHOWN

CHANGES: X

DATE: X

APPROVED BY: X

DATE: X

NOTICE

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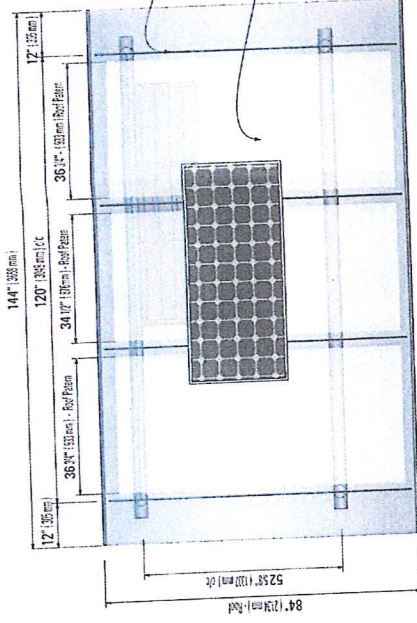
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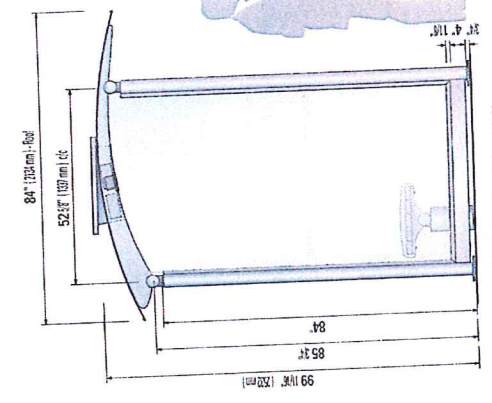
ITEM 2
STANDARD SINGLE SHELLERS - SOLAR

Shelter structure fabricated all in aluminum:
 3 1/2" ø custom post extrusion 6061-T1
 3 1/2" ø custom torsion bars extrusion 6063-T5
 Z, X, 4" aluminum tubing 6061-T6 6061-T6
 38" thick machined aluminum
 Aluminum composite panels
 metallic silver #PM211S11 powder coat paint.
 Adjustable legs for leveling in galvanneal steel.
 All fasteners to be stainless steel or hot dipped
 galvanneal structural bolts A325.
 3/8" thick tempered glass panels at back & sides
 with silver "CeramicFrit" safety lines.
 3 1/8" thick cold form greenish "GE XL-10 Lexan"
 roof covered of 3M #3635-70 white diffuser
 film pattern, 60% light transmission.
 Shelter supplied with following items:
 • (1) 71 Watts white overhead LED cluster
 (Sit centrally at ground level)
 • (1) 135W - solar panel Kyocera MD135
 • (1) 6 Batteries HAZE EV 12-18
 • (1) Phocos controller CS 10-1.0
 • (1) 5 days autonomy light options (15 hours/day in winter)
Lighting active until dusk to dawn
Set hours
 • (1) Three steered bench fabricated of recycled
 plastic slats, steel tubing & elliptical steel base
 with e-coate & metallic silver powder coat paint.
Optional
 • Bench supplied without slats.
 • 2" x 4" Red cedar slats to be supplied by others
 (Enseicom provides mounting instructions for slats)

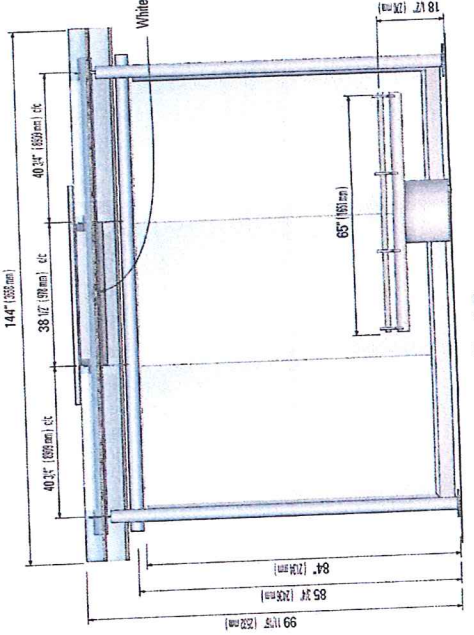
NOTE
 NON-FACTORED DESIGN LOADS:
 (National Building Code of Canada, 2005)
 Hourly Wind Pressure (1/50) = 0.47 kPa
 Snow Load (1/50) S/S = 1.7 kPa
 S/S = 0.1 kPa



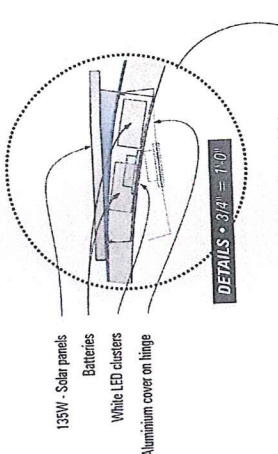
TOP VIEW • Scale: 3/8" = 1'-0"



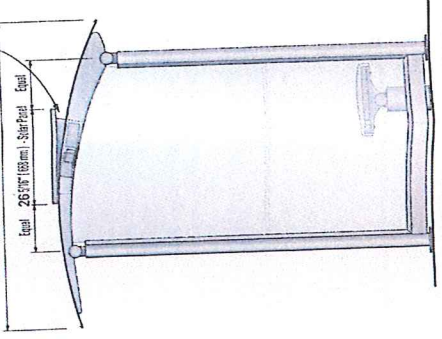
LEFT SIDE • Scale: 3/8" = 1'-0"



FRONT ELEVATION • Scale: 3/8" = 1'-0"



DETAILS • 3/8" = 1'-0"



RIGHT SIDE • Scale: 3/8" = 1'-0"

"Lexan" roof fastened to fins with S/S wide
 flange screws
 White pigmented diffuser film
 3M 3635-70 (60% light transmission)

135W - Solar panels
 Batteries
 White LED clusters
 Aluminium cover on hinge

PROJECT #	0110-0118
DRAWING #	D 6354-2
REV #	J

CLIENT
 City of Kelowna
 PROJECT
 Kelowna
 PROJECT
 Shelter
 ARCHITECT
 Con Mousiss
 DATE
 April 15th, 2010
 DRAWN BY
 J. Bricebois
 CHECKED BY
 REVISIONS
 DESIGNER
 DATE

GRAPHIC LAYOUT

APPROVAL

APPROVED AS IS APPROVED AS AMENDED

DATE: _____

BY: _____

DATE: _____

BY: _____

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