

JAMES KNIGHT & ASSOCIATES

PROFESSIONAL ENGINEERS

POB 273 ST. GEORGE ONTARIO CANADA N0E 1N0
519 448 3548 FAX 519 448 4657 (cell) 905 691 6489
jkwoodeng@sympatico.ca

SITE VISIT REPORT

Report No. 1

May 18, 2018

Distribution:

Owner: Richard Monaghan, C.E.T.
The City of Kawartha Lakes

Contractor: Aron Van Pelt
Van Pelt Construction Inc.

**Re: Rehabilitation of 30 m Sand Dome
Manvers Works Yard
The City of Kawartha Lakes**

On May 16, 2018 the writer visited the captioned site to sample the progress of the work re this Contract to provide a reroofed and rehabilitated 30 m dome at the Manvers Works Yard.

More specifically, this site visit was made to inspect the dome as the Contractor had reported that all existing roofing had been removed and that structural work had started on May 14. Hence this first interim site visit was undertaken to determine what adjustments to the scope of work may be required vis-a-vis the Unit Price provisions of the Contract.

This is the Report of our findings, opinions and recommendations.

The Contractor was on site for the entirety of this site visit. All matters herein were discussed with him prior to the writer's departure from the site.

A representative of the Owner was on site for much of this site visit. All matters herein were discussed with him prior to the writer's departure from the site.

1. The overall progress of the work is that the Contractor has:
 - a) stripped the dome of all original roofing;
 - b) nearly completed plywood replacement required as part of the Lump Sum work; and
 - c) completed interim clean up.
2. As of May 16, 2018 the following items in the scope of work of General Note 3.3.1 are complete: (b).
3. As of May 16, 2018 the following items in the scope of work of General Note 3.3.1 are started but are not yet complete: (a), (g) and (n).
4. As of May 16, 2018 the following items in the scope of work of General Note 3.3.1 have not been started: (c) to (f) and (h) to (m).
5. The following materials have been incorporated in the work and/or delivered to the site.
 - a) Lumber: #1/#2 SPF
 - b) 1X2 PT sleepers
 - c) Plywood: ½ in. D.Fir to CSA O121
 - d) Adhesive: PL Premium or equivalent
 - e) Hardware per details
 - f) Steel roofing for canopy

All of the above meet or exceed the requirements of the material specifications within the Special Provisions.
6. Attached is Drawing No. 17-870-4 copied as two halves and marked up in colour. Changes in the scope of work are shown in red thereon. All such additional work is to be done on the Contract's Unit Price basis.
7. Further to No. 6 the changes to the plywood repairs to be undertaken per the Unit Price provisions of the Contract are as follows.

Sector 1 Panel No. 2.....	2 sheets
Sector 1 Panel No. 3.....	2
Sector 1 Panel No. 4.....	2
Sector 1 Panel No. 5.....	1
Sector 1 Panel No. 6.....	3
Sector 2 Panel No. 2.....	2
Sector 2 Panel No. 3.....	2
Sector 2 Panel No. 4.....	2
Sector 2 Panel No. 5.....	2
Sector 3 Panel No. 2.....	2
Sector 3 Panel No. 3.....	2
Sector 3 Panel No. 4.....	1
Sector 3 Panel No. 5.....	2
Sector 3 Panel No. 7.....	2

Sector 4 Panel No. 2.....	2
Sector 4 Panel No. 3.....	2
Sector 4 Panel No. 4.....	2
Sector 4 Panel No. 5.....	2
Sector 4 Panel No. 6.....	2
Sector 4 Panel No. 7.....	2
Sector 5 Panel No. 2.....	2
Sector 5 Panel No. 3.....	2
Sector 5 Panel No. 4.....	1
Sector 5 Panel No. 6.....	1
Sector 6 Panel No. 4.....	1
Sector 6 Panel No. 6.....	1
Sector 10 @ fan dormer.....	3
Sector 12 Panel No. 4.....	1
Sector 14 Panel No. 4.....	1
Sector 15 Panel No. 3.....	1
Sector 16 Panel No. 3.....	1
Sector 17 Panel No. 2.....	2
Sector 18 Panel No. 2.....	2
Sector 19 Panel No. 2.....	2
Sector 19 Panel No. 3.....	2
Sector 19 Panel No. 4.....	1
Sector 20 Panel No. 2.....	2
Sector 20 Panel No. 3.....	2
Sector 20 Panel No. 4.....	<u>2</u>
TOTAL.....	66 sheets

8. Further to No. 6, the changes to the lumber repairs to be undertaken per the Unit Price provisions of the Contract are as follows.

Sector 15 Panel No. 8.....	4 bd ft
Sector 18 Panel No. 8.....	<u>10</u>
TOTAL.....	14 bd ft

9. No canopy roof joists found to require replacement on the Contract's Unit Price basis.

10. No sill plates c/w anchor bolts were found to require replacement on the Contract's Unit Price basis.

11. No isolated anchor bolts were found to require replacement on the Contract's Unit Price basis.

12. Per No. 7 to No. 11 inclusive preceding, we compute the Unit Price work to be:

Plywood:

Quantity per No. 7.....69 sheets
 Total.....69 sheets
 Unit price per contract.....\$325.00 per sheet
 Cost @ 69 X \$325.00.....\$22,425.00

Lumber:

Quantity per No. 8.....14 bd. ft.
 Total.....14 bd. ft.
 Unit price per contract.....\$27.00 per bd. ft.
 Cost @ 14 X \$27.00.....\$378.00

Canopy roof joists:

Quantity per No. 9.....0 joists
 Total.....0 joists
 Unit price per contract.....\$275.00 per joist
 Cost @ 0 X \$275.00.....\$0.00

Sill plates:

Quantity per No. 10.....0 sill plate
 Total.....0 sill plate
 Unit price per contract.....\$1500.00 per sill
 Cost @ 0 X \$1500.00.....\$0.00

Isolated anchor bolts:

Quantity per No. 11.....0 anchor bolts
 Total.....0 anchor bolts
 Unit price per contract.....\$45.00 per bolt
 Cost @ 0 X \$45.00.....\$0.00

TOTAL.....\$22,803.00

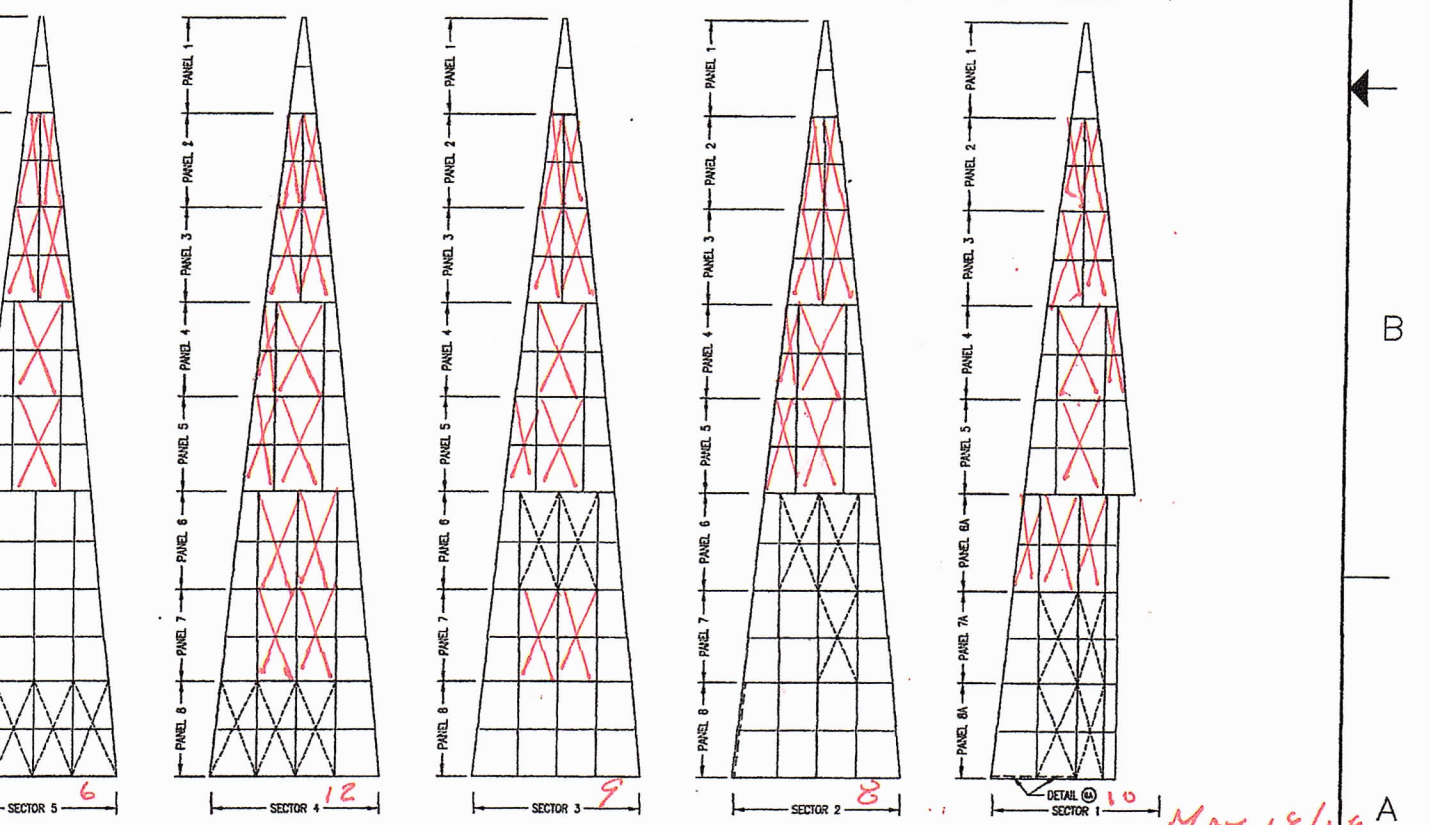
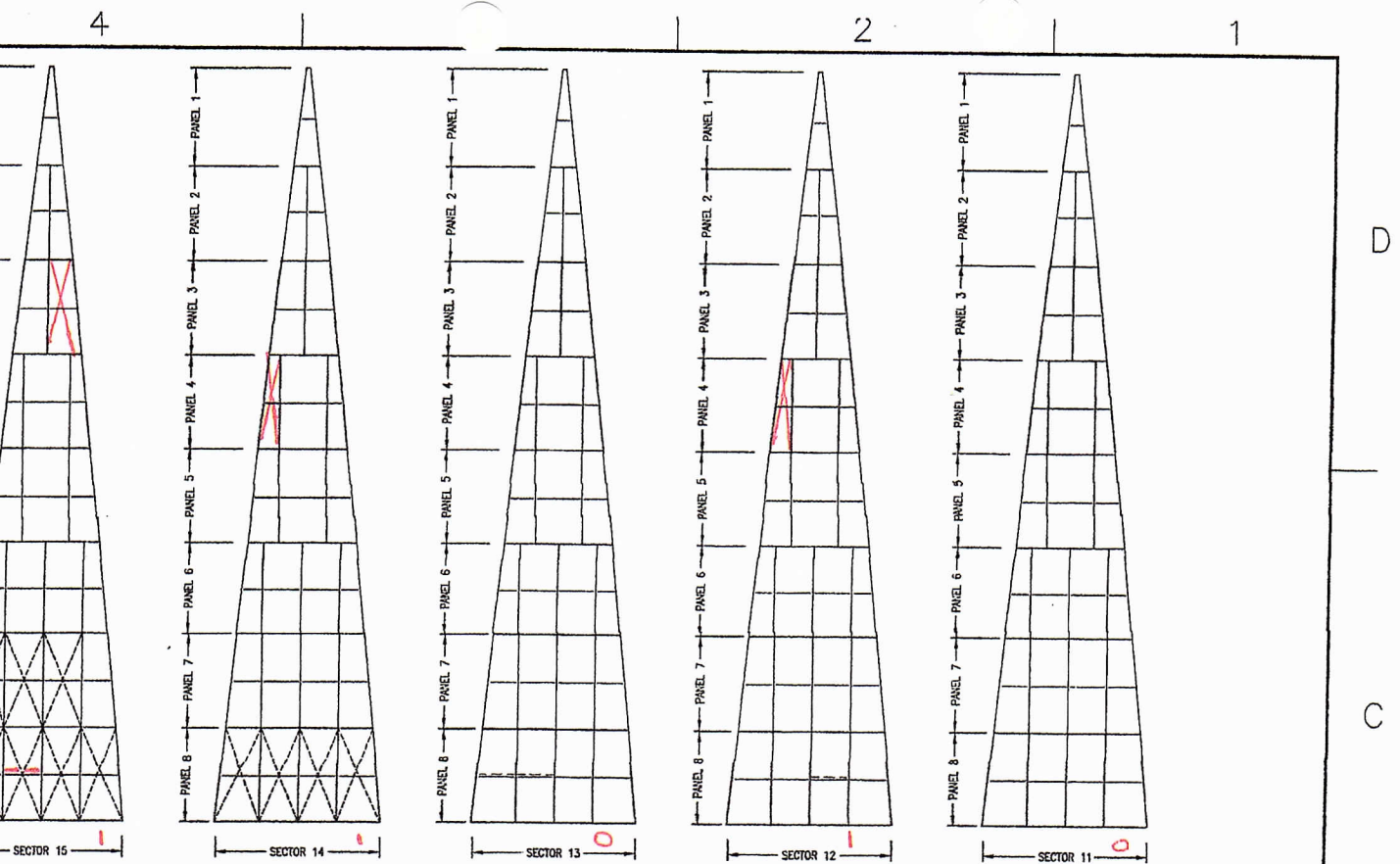
The foregoing is the accounting of the Unit Price work re wood based on our site visit, our understanding of the tendered Unit Prices and our records. We request that the Contractor and the Owner make their own independent calculations based on the contract as signed and awarded.

13. Interim clean-up and site sanitation are satisfactory.

14.. Nothing in this Report, save for No. 7 to No. 12 inclusive shall be construed as authorizing additional work or changing the Contract Price.

James Knight, M.Sc.F., P.Eng.
 17-870

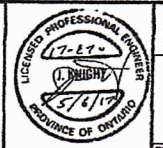
Encl.



DESCRIPTION	DATE	APPROVED

4
3
2
1

4
3
2
1



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PROFESSIONAL ENGINEERS

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CITY OF KAWARTHA LAKES
 REHABILITATION OF SAND DOME
 AT MANNERS WORKS YARD
 DETAIL C: PANEL REPAIRS

DESIGNED:	J.K.
DRAWN:	J.W.
PROJECT ENGINEER:	J.K.
APPROVED:	J.K.
DRAWING No.	17-870-4

MAY 18/18

