

CANADA SCAFFOLD SUPPLY CO. LTD.

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February 28, 2007

Forcast Canada Ltd.
3110-14th Ave NE
Calgary, AB
T2A 6J4

RE: Vertical Shores Testing.

Please find enclosed Test Reports of your Vertical Shores.

- Shore #0 fully extended, L=5' – 11 1/4"
- Shore #1 fully extended, L=10' – 2 1/2"
- Shore #2 fully extended, L=10' – 10 7/8"
- Shore #3 fully extended, L=12' – 11 1/8"
- Shore #4 fully extended, L=15' – 11 "

Sincerely,

Jack Pawlik

Canada Scaffold Supply Co. Ltd.

TESTING REPORT

Date: Feb 27 2007

Tested by: Jack Pawlik

Witnessed by: Elizabeth Lawrynowicz, P. Eng.

SUBJECT: Axial Loading of Forcast Canada Shores # 0 fully extended (L= 5' - 11.25")

Test No.	Extended Length	Ultimate Load [kN]	Observation
1	5' - 11 ¹ / ₄ "	100.546	Bearing shear of inner pipe at pin location. Deformation of handle nut under the pin (1/8 "). Bend of inner pipe 27 " from top.
2	5' - 11 ¹ / ₄ "	91.237	Bearing shear of inner pipe at pin location. Deformation of handle nut under the pin (1/8 "). Bend of inner pipe 27 " from top.
3	5' - 11 ¹ / ₄ "	81.929	Bearing shear of inner pipe at pin location. Deformation of handle nut under the pin (1/16 "). Bend of inner pipe 27 " from top.
4	5' - 11 ¹ / ₄ "	96.113	Bearing shear of inner pipe at pin location. Deformation of handle nut under the pin (1/8 "). Bend of inner pipe 27 " from top.
Average Ultimate Load [kN]		92.456	
Average Ultimate Load [lbs]		20,784	

1. The Test was completed in according to 11.3.4 of CAN/CSA-S269.2-M87 Access Scaffolding for Construction Purposes.
2. The Test was completed with use of Universal Testing Machine. The testing apparatus was calibrated by an independend certified testing agency in accordance with ASTM E4 and ASTM E83.
3. The testing component was: **Forcast Canada Shores # 0**
4. The axial load was applied to the shore and ultimate load was recorded.
5. The tested samples were provided by Forcast Canada.



Jack Pawlik


Elizabeth Lawrynowicz, P. Eng.

Canada Scaffold Supply Co. Ltd.

TESTING REPORT

Date: Feb 27 2007

Tested by: Jack Pawlik

Witnessed by: Elizabeth Lawrynowicz, P. Eng.

**SUBJECT: Axial Loading of Forcast Canada Shores # 1
fully extended (L= 10' - 2.5")**

Test No.	Extended Length	Ultimate Load [kN]	Observation
1	10' - 2 1/2 "	53.919	Bend of inside pipe about 51" from top.
2	10' - 2 1/2 "	64.887	Bend of inside pipe about 51" from top.
3	10' - 2 1/2 "	59.077	Bend of inside pipe about 51" from top.
4	10' - 2 1/2 "	62.498	Bend of inside pipe about 51" from top.
Average Ultimate Load [kN]		60.095	
Average Ultimate Load [lbs]		13,509	

1. The Test was completed in according to 11.3.4 of CAN/CSA-S269.2-M87 Access Scaffolding for Construction Purposes.
2. The Test was completed with use of Universal Testing Machine. The testing apparatus was calibrated by an independend certified testing agency in accordance with ASTM E4 and ASTM E83.
3. The testing component was: **Forcast Canada Shores # 1**
4. The axial load was applied to the shore and ultimate load was recorded.
5. The tested samples were provided by Forcast Canada.

Jack Pawlik

Elizabeth Lawrynowicz, P. Eng.



Canada Scaffold Supply Co. Ltd.

TESTING REPORT

Date: Feb 27 2007

Tested by: Jack Pawlik

Witnessed by: Elizabeth Lawrynowicz, P. Eng.

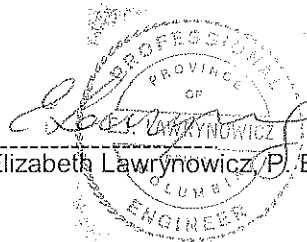
SUBJECT: Axial Loading of Forcast Canada Shores # 2
fully extended (L= 10' - 10.875")

Test No.	Extended Length	Ultimate Load [kN]	Observation
1	10' - 10 ⁷ / ₈ "	51.530	Bend of inside pipe about 55" from top.
2	10' - 10 ⁷ / ₈ "	46.425	Bend of inside pipe about 55" from top.
3	10' - 10 ⁷ / ₈ "	50.226	Bend of inside pipe about 55" from top.
4	10' - 10 ⁷ / ₈ "	54.788	Bend of inside pipe about 55" from top.
Average Ultimate Load [kN]		50.742	
Average Ultimate Load [lbs]		11,407	

1. The Test was completed in according to 11.3.4 of CAN/CSA-S269.2-M87 Access Scaffolding for Construction Purposes.
2. The Test was completed with use of Universal Testing Machine. The testing apparatus was calibrated by an independend certified testing agency in accordance with ASTM E4 and ASTM E83.
3. The testing component was: **Forcast Canada Shores # 2**
4. The axial load was applied to the shore and ultimate load was recorded.
5. The tested samples were provided by Forcast Canada.

Pawlik

Jack Pawlik



Elizabeth Lawrynowicz, P. Eng.

Canada Scaffold Supply Co. Ltd.

TESTING REPORT

Date: Feb 19 2007

Tested by: Jack Pawlik

Witnessed by: Elizabeth Lawrynowicz, P. Eng.

**SUBJECT: Axial Loading of Forcast Canada Shores # 3
fully extended (L= 12' - 11.125")**

Test No.	Extended Length	Ultimate Load [kN]	Observation
1	12' - 11 ¹ / ₈ "	39.475	Bend of inside pipe about 67" from top.
2	12' - 11 ¹ / ₈ "	35.620	Bend of inside pipe about 67" from top.
3	12' - 11 ¹ / ₈ "	37.412	Bend of inside pipe about 67" from top.
4	12' - 11 ¹ / ₈ "	41.810	Bend of inside pipe about 67" from top.
Average Ultimate Load [kN]		38.579	
Average Ultimate Load [lbs]		8,673	

1. The Test was completed in according to 11.3.4 of CAN/CSA-S269.2-M87 Access Scaffolding for Construction Purposes.
2. The Test was completed with use of Universal Testing Machine. The testing apparatus was calibrated by an independent certified testing agency in accordance with ASTM E4 and ASTM E83.
3. The testing component was: **Forcast Canada Shores # 3**
4. The axial load was applied to the shore and ultimate load was recorded.
5. The tested samples were provided by Forcast Canada.

Paul

Jack Pawlik

Elizabeth Lawrynowicz

Elizabeth Lawrynowicz, P. Eng.

Canada Scaffold Supply Co. Ltd.

TESTING REPORT

Date: Feb 19 2007

Tested by: Jack Pawlik

Witnessed by: Elizabeth Lawrynowicz, P. Eng.

SUBJECT: Axial Loading of Forcast Canada Shores # 4
fully extended (L= 15' - 11")

Test No.	Extended Length	Ultimate Load [kN]	Observation
1	15' - 11"	28.289	Bend of inside pipe about 84" from top.
2	15' - 11"	23.131	Bend of inside pipe about 84" from top.
3	15' - 11"	25.357	Bend of inside pipe about 84" from top.
4	15' - 11"	25.086	Bend of inside pipe about 84" from top.
Average Ultimate Load [kN]		25.466	
Average Ultimate Load [lbs]		5,725	

1. The Test was completed in according to 11.3.4 of CAN/CSA-S269.2-M87 Access Scaffolding for Construction Purposes.
2. The Test was completed with use of Universal Testing Machine. The testing apparatus was calibrated by an independend certified testing agency in accordance with ASTM E4 and ASTM E83.
3. The testing component was: **Forcast Canada Shores # 4**
4. The axial load was applied to the shore and ultimate load was recorded.
5. The tested samples were provided by Forcast Canada.

Pawlik

Jack Pawlik

Elizabeth Lawrynowicz

Elizabeth Lawrynowicz, P. Eng.









Four blue-painted metal rods with cross-shaped bases and cable attachments, standing upright in a workshop.









FORCAST CANADA SHORE #0
FULLY EXTENDED L= 5' - 11 1/4"





FORCAST CANADA LTD

SHORE # 0

FULLY EXTENDED

FORCAST CANADA SHORE #1
FULLY EXTENDED L=10' - 2 1/2 "





