



4700 N Ravenswood Avenue, Suite B  
Chicago, IL 60640

**Date:** 12/15/2015  
**Submittal No:** 28R6  
**Description:** 03 30 00 2<sup>nd</sup> & 3<sup>rd</sup> Floor Applied  
Topping FF/FL Report

# Submittal Cover Sheet

**Project Title**  
Construct Building for 75 Mental Health RRTP Beds  
**Project Number**  
676-322  
**Contract Number**  
VA69D-14-C-0190B  
**Project Location**  
Tomah VA Medical Center

 <p>SEED J.V. has conducted a cursory review of this submittal to ensure general conformance to the design and requirements of the contract documents. Final approval is the responsibility of the Architect and/or Engineer. Subcontractor and/or Vendor must verify dimensions, quantities and field conditions to ensure complete and proper installation of this work. Approval does not relieve Contractor or Supplier from responsibility due to installation errors, defects in workmanship or deviation from the contract documents.</p> <p><i>Chris Wales</i></p>	

# Chosen Valley Testing, Inc.

135 Buchner Place, La Crosse, WI 54603 Phone (608) 782-5505 Fax (608) 785-2818

Mr. Tim Bentley  
Master Design Build  
4706 N. Ravenswood Avenue  
Chicago, IL 60640  
[tim@masterdesignbuild.com](mailto:tim@masterdesignbuild.com)

December 15, 2015

Re: **Floor Flatness Test Results**  
**Tomah VA – Building 405**  
**Tomah, Wisconsin**  
**CVT Project# 6383.14.WIL**

Dear Mr. Bentley

As requested, we have been performing floor flatness testing on the 2<sup>nd</sup> and 3<sup>rd</sup> level topping slabs of the Tomah VA – Building 405, in Tomah, Wisconsin. The slabs were poured on December 9, 10, & 11, 2015. The specified  $F_F$  is 30, and the specified  $F_L$  is 20, with minimum local values of  $F_F$  24 and  $F_L$  15 for topping slabs which are exposed and receive thin-set tile or resilient flooring. Test results at or above these numbers represent acceptable floor flatness and floor levelness of the slab.

The test was performed in general accordance with ASTM E 1155, Determining  $F_F$  Floor Flatness and  $F_L$  Floor Levelness Numbers. A Face Construction Technologies Dipstick 2272 Floor Profiler was used to obtain the test data.

### Pour 12/9/2015 (3<sup>rd</sup> Level)

The data was obtained in 9 runs using a zig-zag layout. The results of each run, as well as the overall results, are tabulated below. The approximate locations are shown on the attached sketch.

Run Number	$F_F$	$F_L$
1	26.69	16.82
2	24.37	19.37
3	30.02	22.85
4	26.66	18.83
5	27.88	11.92
6	31.09	16.91
7	21.91	15.37
8	28.80	22.23
9	23.83	27.19
<b>Overall – 12/9/2015</b>	<b>26.55</b>	<b>18.00</b>
<b>Specification</b>	<b>30</b>	<b>20</b>

### Pour 12/10/2015 (2<sup>nd</sup> Level)

The data was obtained in 7 runs using a zig-zag layout. The results of each run, as well as the overall results, are tabulated below. The approximate locations are shown on the attached sketch.

Run Number	$F_F$	$F_L$
1	37.84	28.30
2	25.32	12.85
3	25.21	32.67

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4	32.02	16.62
5	28.19	28.75
6	30.20	32.80
7	20.69	17.87
<b>Overall – 12/10/2015</b>	<b>26.66</b>	<b>18.90</b>
<b>Specification</b>	<b>30</b>	<b>20</b>

**Pour 12/11/2015 (2<sup>nd</sup> Level)**

The data was obtained in 3 runs using a zig-zag layout. The results of each run, as well as the overall results, are tabulated below. The approximate locations are shown on the attached sketch.

Run Number	F <sub>F</sub>	F <sub>L</sub>
1	26.67	16.97
2	32.67	25.88
3	27.70	21.24
<b>Overall – 12/11/2015</b>	<b>28.54</b>	<b>20.36</b>
<b>Specification</b>	<b>30</b>	<b>20</b>

**Summary**

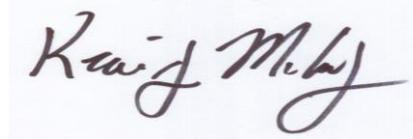
The combined F<sub>F</sub> of the 2<sup>nd</sup> level topping slab is 27.13, with a combined F<sub>L</sub> of 19.26. Although the F<sub>F</sub> and F<sub>L</sub> are lower than the specified value, they are greater than the specified minimum local value.

The combined F<sub>F</sub> of the 3<sup>rd</sup> level topping slab is 26.55, with a combined F<sub>L</sub> of 18.00. Although the F<sub>F</sub> and F<sub>L</sub> are lower than the specified value, they are greater than the specified minimum local value.

**Remarks**

We appreciate the opportunity to provide our services to you. If you have any questions, or need additional services, please call us at (608) 782-5505.

Sincerely,  
Chosen Valley Testing, Inc.



Kraig McCoy  
Laboratory Manager

2nd Level

