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SRG Global

SURVEY RESULTS

COV-TEN-CON 514 stack raise works

TOWER 1 Module 5 column top position (Final)

Method.

Locale control points used to establish the position of the instrument (Leica MS50 +/-1mm)

3 points were recorded on each column at the top flange. These were from 3 instrument positions. The underside of the flange was measured for the RL, then the flange thickness added for the top RL. (25mm from plan COV-R390-ME-DWG-0021)
The center was calculated for each column from these 3 measurements.

The center of the tower could then be calculated from these 3 column centers.

Design RL = 96.195mRL
C14-005-100-MPD-106

Measurements

Column 13

Pt1 E:262.895 N:384.135 RL:96.162
Pt2 E:262.571 N:384.384 RL:96.159
Pt3 E:262.335 N:384.167 RL:96.165
T13 E:262.612 N:384.102 RL:96.187 (96.162+0.025)

Column 14

Pt4 E:260.393 N:388.454 RL:96.169
Pt5 E:260.074 N:388.708 RL:96.167
Pt6 E:259.824 N:388.440 RL:96.172
T14 E:260.109 N:388.424 RL:96.194 (96.169+0.025)

Column 15

Pt7 E:257.903 N:384.146 RL:96.163
Pt8 E:257.616 N:384.383 RL:96.159
Pt9 E:257.336 N:384.131 RL:96.165
T15 E:257.621 N:384.097 RL:96.187 (96.162+0.025)

T13-T14-T15 center

Asbuilt Center of Module 5 at top = **E:260.115 N:385.542 (+/-2mm)**
Asbuilt Center of base = **E260.111 N:385.564**
Difference = **dE:+4mm dN:-22mm**

22mm Lean to S / 91.34m
Tolerance 38mm/100m
C14-005-STR-DRG-101 Note 7

Chris John
BE SURVEYS

