

The purposes of opening up the concrete are :

- (i) to open up concrete for physical investigations at locations with gaps in the construction documentation, in order to verify the as-constructed condition of the connections between the platform slabs and diaphragm walls of the Hung Hom Station Extension; and
- (ii) given the allegations on the cutting-short of steel bars, the MTRCL needs to open up certain connections between the platform slabs and diaphragm walls for detailed inspection, and to conduct non-destructive tests (PAUT) to determine the embedded length of the threaded steel bar inside the coupler.

Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
1	EWL-W68-BB-B1-02-C1	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	34.70	37.8
2	EWL-E107-BB-B1-01-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	35.34	38.3
3	EWL-E107-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	40.91	39.9
4	EWL-E32-TT-T1-01-C1	At the top of Area HKC of EWL slab near eastern diaphragm wall	(i)	36.65	44.5
5	EWL-E50-BB-B1-01-C1	At the bottom of Area B of EWL slab near eastern diaphragm wall	(ii)	34.80	42.3
6	EWL-E70-BB-B1-02-C1	At the bottom of Area C1	(ii)	36.78	41.3

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		of EWL slab near eastern diaphragm wall			
7	EWL-W58-BB-B1-01-C1	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	40.04	39.2
8	EWL-W58-BB-B1-02-C1	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	45.85	45.5
9	EWL-W113-BB-B1-01-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	38.07	40.2
10	NSL-W52-TT-T1-01-C1	At the top of Area B of NSL slab near western diaphragm wall	(ii)	39.59	38.4
11	EWL-W84-BB-B1-02-C1	At the bottom of Area C2 of EWL slab near western diaphragm wall	(ii)	32.59	38.0
12	EWL-W91-BB-B1-01-C1	At the bottom of Area C2 of EWL slab near western diaphragm wall	(ii)	32.97	39.3
13	EWL-W91-BB-B1-02-C1	At the bottom of Area C2 of EWL slab near western diaphragm wall	(ii)	34.66	37.7
14	EWL-W68-BB-B1-01-C1	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	35.45	38.9
15	EWL-W78-BB-B1-01-C1	At the bottom of Area C1 of EWL slab near western	(ii)	37.46	39.2

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		diaphragm wall			
16	EWL-W78-BB-B1-03-C1	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	39.05	39.6
17	EWL-W115-BB-B1-01-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	44.66	42.0
18	EWL-W129-BB-B1-01-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	40.00	38.3
19	EWL-W129-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	39.62	40.4
20	EWL-W136-BB-B1-01-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	33.92	37.5
21	EWL-W136-BB-B1-02-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	40.58	42.5
22	EWL-W136-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	35.49	38.3
23	EWL-W133-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	35.63	39.5
24	EWL-E65-BB-B1-01-C1	At the bottom of Area C1 of EWL slab near eastern diaphragm wall	(ii)	42.43	43.8

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
25	EWL-E65-BB-B1-02-C1	At the bottom of Area C1 of EWL slab near eastern diaphragm wall	(ii)	45.19	43.5
26	EWL-E65-BB-B1-03-C1	At the bottom of Area C1 of EWL slab near eastern diaphragm wall	(ii)	42.83	44.4
27	EWL-E46-BB-B1-03-C1	At the bottom of Area B of EWL slab near eastern diaphragm wall	(ii)	34.32	37.1
28	EWL-E50-BB-B1-02-C1	At the bottom of Area B of EWL slab near eastern diaphragm wall	(ii)	38.58	42.1
29	EWL-E50-BB-B1-03-C1	At the bottom of Area B of EWL slab near eastern diaphragm wall	(ii)	43.31	43.9
30	EWL-W48-BB-B1-01-C1	At the bottom of Area B of EWL slab near western diaphragm wall	(ii)	39.18	37.5
31	EWL-W35-TT-T1-02-C1	At the top of Hong Kong Coliseum Area of EWL slab near western diaphragm wall	(ii)	#	44.4
32	EWL-W35-TT-T1-03-C1	At the top of Hong Kong Coliseum Area of EWL slab near western	(ii)	#	40.5

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		diaphragm wall			
33	EWL-E32a(P2)-TT-T1-04-C1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(ii)	44.07	45.6
34	EWL-E48-TT-T1-01-C1	At the top of Area B of EWL slab near eastern diaphragm wall	(ii)	#	40.5
35	EWL-E48-TT-T1-03-C1	At the top of Area B of EWL slab near eastern diaphragm wall	(ii)	#	41.9
36	EWL-E70-BB-B1-01-C1	At the bottom of Area C1 of EWL slab near eastern diaphragm wall	(ii)	40.51	40.7
37	EWL-E77-BB-B1-01-C1	At the bottom of Area C2 of EWL slab near eastern diaphragm wall	(ii)	45.22	42.8
38	EWL-E77-BB-B1-02-C1	At the bottom of Area C2 of EWL slab near eastern diaphragm wall	(ii)	46.45	45.4
39	EWL-E77-BB-B1-03-C1	At the bottom of Area C2 of EWL slab near eastern	(ii)	37.22	37.0

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		diaphragm wall			
40	EWL-E90-BB-B1-01-C1	At the bottom of Area C2 of EWL slab near eastern diaphragm wall	(ii)	41.43	41.1
41	EWL-W113-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	35.83	37.9
42	EWL-E90-BB-B1-02-C1	At the bottom of Area C2 of EWL slab near eastern diaphragm wall	(ii)	43.82	42.4
43	EWL-E90-BB-B1-03-C1	At the bottom of Area C2 of EWL slab near eastern diaphragm wall	(ii)	43.85	40.7
44	EWL-E96-BB-B1-01-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	42.02	41.4
45	EWL-E96-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	41.93	40.7
46	EWL-E97-BB-B1-01-C1	At the bottom of Area C3 of EWL slab near eastern	(ii)	39.03	43.2

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		diaphragm wall			
47	EWL-E97-BB-B1-02-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	36.69	37.3
48	EWL-E112-BB-B1-02-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	48.72	42.7
49	EWL-E112-BB-B1-04-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	43.45	43.0
50	EWL-E115-BB-B1-01-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	40.78	41.1
51	EWL-E115-BB-B1-02-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	42.02	42.8
52	EWL-E115-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	39.66	41.7
53	EWL-W127-BB-B1-01-C1	At the bottom of Area C3 of EWL slab near western	(ii)	#	39.9

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		diaphragm wall			
54	EWL-W127-BB-B1-02-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	#	41.5
55	EWL-W127-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	#	37.5
56	EWL-E97-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	42.61	42.0
57	NSL-W25-TT-T1-01-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	38.46	38.3
58	NSL-W25-TT-T1-03-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	39.59	39.0
59	NSL-W30-TT-T1-02-C1	At the top of Hong Kong Coliseum Area of NSL slab near western	(ii)	40.92	39.6

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		diaphragm wall			
60	NSL-W30-TT-T1-03-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	38.15	37.6
61	NSL-W33-TT-T1-02-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	39.07	37.5
62	NSL-W34-TT-T1-02-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	#	39.6
63	NSL-W34-TT-T1-03-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	#	42.0
64	EWL-E107-BB-B3-01-C2	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	#	40.6
65	EWL-E107-BB-B3-02-C2	At the bottom of Area C3	(ii)	#	39.9

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		of EWL slab near eastern diaphragm wall			
66	NSL-W77-TT-T1-02-C1	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	#	40.2
67	NSL-W77-TT-T1-03-C1	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	#	40.9
68	NSL-W100-TT-T1-01-C1	At the top of Area C2 of NSL slab near western diaphragm wall	(ii)	#	38.0
69	NSL-W100-TT-T1-03-C1	At the top of Area C2 of NSL slab near western diaphragm wall	(ii)	#	39.3
70	NSL-W112-TT-T1-01-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	38.0
71	NSL-W112-TT-T1-02-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	37.7
72	NSL-W112-TT-T1-03-C1	At the top of Area C3 of	(ii)	#	38.6

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		NSL slab near western diaphragm wall			
73	NSL-W114-TT-T1-01-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	44.17	39.3
74	NSL-W114-TT-T1-02-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	39.7
75	NSL-W114-TT-T1-03-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	40.2
76	NSL-W117-TT-T1-01-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	40.0
77	EWL-W58-BB-B3-01-C2	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	#	39.9
78	EWL-W58-BB-B3-02-C2	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	#	41.3
79	EWL-W58-BB-B3-03-C2	At the bottom of Area C1	(ii)	#	40.5

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		of EWL slab near western diaphragm wall			
80	NSL-W117-TT-T1-02-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	39.6
81	NSL-W114-TT-T3-03-C2	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	39.3
82	NSL-W127-TT-T1-01-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	37.73	37.4
83	NSL-W127-TT-T1-02-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	36.28	37.5
84	NSL-W128-TT-T1-01-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	39.4
85	NSL-W128-TT-T1-03-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	37.2
86	NSL-E31-TT-T1-01-C1	At the top of Area HKC	(ii)	#	41.6

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		of NSL slab near eastern diaphragm wall			
87	NSL-E31-TT-T1-02-C1	At the top of Area HKC of NSL slab near eastern diaphragm wall	(ii)	#	38.9
88	NSL-E31-TT-T1-03-C1	At the top of Area HKC of NSL slab near eastern diaphragm wall	(ii)	#	42.3
89	NSL-E29-TT-T1-01-C1	At the top of Area HKC of NSL slab near eastern diaphragm wall	(ii)	38.09	39.6
90	NSL-E29-TT-T1-02-C1	At the top of Area HKC of NSL slab near eastern diaphragm wall	(ii)	49.06	47.7
91	NSL-E38-TT-T1-01-C1	At the top of Area HKC of NSL slab near eastern diaphragm wall	(ii)	41.29	43.6
92	NSL-E38-TT-T1-02-C1	At the top of Area HKC of NSL slab near eastern diaphragm wall	(ii)	40.40	41.1
93	NSL-E38-TT-T1-03-C1	At the top of Area HKC	(ii)	42.18	42.4

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		of NSL slab near eastern diaphragm wall			
94	NSL-E46-TT-T1-01-C1	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	41.6
95	NSL-E46-TT-T1-02-C1	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	39.9
96	NSL-E46-TT-T1-03-C1	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	37.9
97	NSL-E47-TT-T1-01-C1	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	41.2
98	NSL-E47-TT-T1-02-C1	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	42.3
99	NSL-E47-TT-T1-03-C1	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	43.4
100	EWL-E100-BB-B1-03-C1	At the bottom of Area C3	*	#	42.7

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		of EWL slab near eastern diaphragm wall			
101	NSL-E52-TT-T1-01-C1	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	38.1
102	NSL-E52-TT-T1-02-C1	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	40.4
103	NSL-E52-TT-T1-03-C1	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	38.9
104	NSL-E68-TT-T1-01-C1	At the top of Area C1 of NSL slab near eastern diaphragm wall	(ii)	39.38	42.6
105	NSL-E68-TT-T1-02-C1	At the top of Area C1 of NSL slab near eastern diaphragm wall	(ii)	40.07	40.1
106	NSL-E68-TT-T1-03-C1	At the top of Area C1 of NSL slab near eastern diaphragm wall	(ii)	43.11	42.7
107	NSL-E80-TT-T1-02-C1	At the top of Area C2 of	(ii)	38.33	37.4

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		NSL slab near eastern diaphragm wall			
108	NSL-E110-TT-T1-01-C1	At the top of Area C3 of NSL slab near eastern diaphragm wall	(ii)	#	38.8
109	NSL-E110-TT-T1-03-C1	At the top of Area C3 of NSL slab near eastern diaphragm wall	(ii)	#	39.7
110	NSL-E113-TT-T1-01-C1	At the top of Area C3 of NSL slab near eastern diaphragm wall	(ii)	#	43.4
111	NSL-E91-TT-T1-01-C1	At the top of Area C2 of NSL slab near eastern diaphragm wall	(ii)	#	40.4
112	NSL-E91-TT-T1-02-C1	At the top of Area C2 of NSL slab near eastern diaphragm wall	(ii)	#	37.5
113	NSL-E91-TT-T1-03-C1	At the top of Area C2 of NSL slab near eastern diaphragm wall	(ii)	#	39.6
114	NSL-E113-TT-T1-03-C1	At the top of Area C3 of	(ii)	#	41.2

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		NSL slab near eastern diaphragm wall			
115	NSL-W129-TT-T3-01-C2	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	42.0
116	NSL-W129-TT-T3-02-C2	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	37.8
117	NSL-W129-TT-T3-03-C2	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	40.3
118	NSL-W129-TT-T1-01-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	39.4
119	NSL-W129-TT-T1-02-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	40.5
120	NSL-W129-TT-T1-03-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	41.6
121	NSL-W112-TT-T3-01-C2	At the top of Area C3 of	(ii)	#	37.1

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		NSL slab near western diaphragm wall			
122	NSL-W112-TT-T3-02-C2	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	38.5
123	NSL-W69-TT-T3-03-C2	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	#	37.9
124	NSL-W69-TT-T3-01-C2	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	#	39.4
125	NSL-E47-TT-T3-01-C2	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	41.9
126	NSL-E47-TT-T3-02-C2	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	41.2
127	EWL-E97-BB-B3-01-C2	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	#	40.0
128	NSL-E91-TT-T3-01-C2	At the top of Area C2 of	(ii)	#	38.8

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		NSL slab near eastern diaphragm wall			
129	NSL-E91-TT-T3-02-C2	At the top of Area C2 of NSL slab near eastern diaphragm wall	(ii)	#	39.8
130	NSL-E91-TT-T3-03-C2	At the top of Area C2 of NSL slab near eastern diaphragm wall	(ii)	#	39.4
131	NSL-W128-TT-T1-02-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	40.3
132	NSL-W77-TT-T1-01-C1	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	#	37.3
133	EWL-E96-BB-B1-02-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	39.52	43.4
134	EWL-E32a(P2)-TT-T1-03-C 1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(ii)	37.07	44.4

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Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
135	EWL-E32-TT-T1-03-C1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(i)	41.51	43.4
136	EWL-E33-TT-T1-01-C1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(i)	45.43	43.3
137	EWL-E35-TT-T1-01-C1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(i)	47.01	47.2
138	EWL-E35-TT-T1-02-C1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(i)	45.70	42.0
139	EWL-E35-TT-T1-03-C1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(i)	43.45	43.4
140	EWL-E36-TT-T1-01-C1	At the top of Hong Kong	(i)	41.61	43.4

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		Coliseum Area of EWL slab near eastern diaphragm wall			
141	EWL-E36-TT-T1-02-C1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(i)	45.26	41.9
142	EWL-E37-TT-T1-01-C1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(i)	39.84	42.1
143	EWL-E37-TT-T1-02-C1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(i)	42.51	42.9
144	EWL-W113-BB-B3-02-C2	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	#	38.1
145	EWL-E46-TT-T1-01-C1	At the top of Area B of EWL slab near eastern diaphragm wall	(i)	44.04	45.7

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
146	EWL-E72-BT-T1-01-C1	At the top of Area C1 of EWL slab near eastern diaphragm wall	(i)	36.39	37.0
147	EWL-E72-BT-T1-02-C1	At the top of Area C1 of EWL slab near eastern diaphragm wall	(i)	36.88	37.4
148	EWL-E69-TT-T1-02-C1	At the top of Area C1 of EWL slab near eastern diaphragm wall	(i)	#	38.2
149	EWL-E100-BB-B1-05-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	*	#	43.7
150	EWL-E100-BB-B1-07-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	*	#	42.2
151	EWL-E32-TT-T1-02-C1	At the top of Hong Kong Coliseum Area of EWL slab near eastern diaphragm wall	(i)	42.02	41.0
152	EWL-W58-BB-B5-02-C3	At the bottom of Area C1 of EWL slab near western	(ii)	#	44.7

Table 1: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length not less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		diaphragm wall			

Table 2: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
1	EWL-E44-TT-T1-02-C1	At the top of Area B of EWL slab near eastern diaphragm wall	(i)	6.22	9.5
2	EWL-W113-BB-B1-02-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	20.86	16.4
3	EWL-W115-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	35.17	35.5
4	EWL-W112-BB-B1-01-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	28.54	29.0
5	EWL-W112-BB-B1-02-C1	At the bottom of Area	(ii)	34.99	35.1

Table 2: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		C3 of EWL slab near western diaphragm wall			
6	EWL-W112-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	35.32	35.4
7	NSL-W52-TT-T1-02-C1	At the top of Area B of NSL slab near western diaphragm wall	(ii)	29.75	33.7
8	NSL-W52-TT-T1-03-C1	At the top of Area B of NSL slab near western diaphragm wall	(ii)	#	36.4
9	EWL-W84-BB-B1-03-C1	At the bottom of Area C2 of EWL slab near western diaphragm wall	(ii)	36.80	34.9
10	EWL-W91-BB-B1-03-C1	At the bottom of Area C2 of EWL slab near western diaphragm wall	(ii)	37.77	34.8
11	EWL-W78-BB-B1-02-C1	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	36.42	36.5

Table 2: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
12	EWL-W78-BB-B1-04-C1	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	37.66	36.8
13	EWL-W48-BB-B1-02-C1	At the bottom of Area B of EWL slab near western diaphragm wall	(ii)	34.96	35.0
14	NSL-W30-TT-T1-01-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	43.60	35.2
15	NSL-W34-TT-T1-01-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	#	33.4
16	NSL-W36-TT-T1-01-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	34.19	34.1
17	NSL-W36-TT-T1-02-C1	At the top of Hong Kong Coliseum Area of NSL	(ii)	#	33.1

Table 2: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		slab near western diaphragm wall			
18	NSL-W36-TT-T1-03-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	#	14.1
19	NSL-W69-TT-T1-01-C1	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	#	28.1
20	NSL-W69-TT-T1-02-C1	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	#	5.3
21	NSL-W69-TT-T1-03-C1	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	#	33.2
22	NSL-W73-TT-T1-01-C1	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	32.91	33.9
23	NSL-W73-TT-T1-02-C1	At the top of Area C1 of NSL slab near western	(ii)	35.36	36.1

Table 2: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		diaphragm wall			
24	NSL-W73-TT-T1-03-C1	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	32.42	34.4
25	EWL-E46-BB-B3-01-C2	At the bottom of Area B of EWL slab near eastern diaphragm wall	(ii)	#	35.9
26	EWL-E46-BB-B3-02-C2	At the bottom of Area B of EWL slab near eastern diaphragm wall	(ii)	#	32.8
27	NSL-W85+87-TT-T1-01-C1	At the top of Area C2 of NSL slab near western diaphragm wall	(ii)	#	36.4
28	NSL-W85+87-TT-T1-02-C1	At the top of Area C2 of NSL slab near western diaphragm wall	(ii)	#	35.5
29	NSL-W85+87-TT-T1-03-C1	At the top of Area C2 of NSL slab near western diaphragm wall	(ii)	#	34.6
30	NSL-W100-TT-T1-02-C1	At the top of Area C2 of	(ii)	#	34.5

Table 2: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		NSL slab near western diaphragm wall			
31	NSL-W117-TT-T1-03-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	#	36.3
32	EWL-E100-BB-B1-04-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	*	#	16.9
33	EWL-E46-BB-B3-03-C2	At the bottom of Area B of EWL slab near eastern diaphragm wall	(ii)	#	36.1
34	NSL-E80-TT-T1-01-C1	At the top of Area C2 of NSL slab near eastern diaphragm wall	(ii)	38.01	35.5
35	NSL-E80-TT-T1-03-C1	At the top of Area C2 of NSL slab near eastern diaphragm wall	(ii)	36.36	36.2
36	NSL-E110-TT-T1-02-C1	At the top of Area C3 of NSL slab near eastern diaphragm wall	(ii)	#	35.7

Table 2: Test result using enhanced Phased Array Ultrasonic Test (PAUT):Embedded length less than 37mm					
Item	Coupler No.	Location of Coupler Tested	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
37	NSL-W69-TT-T3-02-C2	At the top of Area C1 of NSL slab near western diaphragm wall	(ii)	#	36.2
38	EWL-E46-TT-T1-02-C1	At the top of Area B of EWL slab near eastern diaphragm wall	(i)	33.00	34.0
39	EWL-E69-TT-T1-01-C1	At the top of Area C1 of EWL slab near eastern diaphragm wall	(i)	#	36.7

Table 3: Unsuccessful in completing the test using enhanced Phased Array Ultrasonic Test (PAUT)					
Item	Coupler No.	Location of Coupler/Steel bar	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
1	EWL-E107-BB-B1-02-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	9.40	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained

Table 3: Unsuccessful in completing the test using enhanced Phased Array Ultrasonic Test (PAUT)					
Item	Coupler No.	Location of Coupler/Steel bar	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
2	EWL-E40-TT-T1-01-C1	At the top of Area B of EWL slab near eastern diaphragm wall	(ii)	39.21	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
3	EWL-E44-TT-T1-01-C1	At the top of Area B of EWL slab near eastern diaphragm wall	(i)	31.61	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
4	No coupler no.	At Area C1 of EWL slab	(ii)	3 nos. of couplers with no steel bar connected at both sides were found during visual inspection, so there is no need to carry out PAUT	
5	No coupler no	At Area C3 of EWL slab	*	1 no. of coupler with no steel bar connected at both sides was found during visual inspection, so there is no need to carry out PAUT	
6	No coupler no	At Hong Kong Coliseum and Area B of EWL slab	(ii)	4 nos. of couplers connected with steel bar at one side only and no steel bar at the other side were found during visual inspection, so there is no need to carry out PAUT	
7	No coupler no	At Areas C1 and C3 of EWL slab	(ii)	4 nos. of steel bars not connected with adjoining couplers were found during visual inspection, so there is no need to carry out PAUT	

Table 3: Unsuccessful in completing the test using enhanced Phased Array Ultrasonic Test (PAUT)					
Item	Coupler No.	Location of Coupler/Steel bar	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
8	No coupler no	At Area C3 of EWL slab	(ii)	1 no. of steel bar not connected with adjoining coupler was found during visual inspection, so there is no need to carry out PAUT	
			*	2 nos. of steel bars not connected with adjoining couplers were found during visual inspection, so there is no need to carry out PAUT	
9	No coupler no	At Area C3 of NSL slab	(ii)	No coupler was found at the location and steel bar was found connected to the adjoining steel bar by lapping during visual inspection, so there is no need to carry out PAUT	
10	No coupler no	At Area C3 of EWL slab	*	1 no. of steel bar not connected with adjoining coupler was found during visual inspection, so there is no need to carry out PAUT	
11	EWL-E46-BB-B1-01-C1	At the bottom of Area B of EWL slab near eastern diaphragm wall	(ii)	34.91	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
12	EWL-E46-BB-B1-02-C1	At the bottom of Area B of EWL slab near eastern diaphragm wall	(ii)	29.65	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained

Table 3: Unsuccessful in completing the test using enhanced Phased Array Ultrasonic Test (PAUT)					
Item	Coupler No.	Location of Coupler/Steel bar	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
13	EWL-W58-BB-B1-03-C1	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	39.22	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
14	EWL-W84-BB-B1-01-C1	At the bottom of Area C2 of EWL slab near western diaphragm wall	(ii)	33.98	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
15	EWL-W133-BB-B1-02-C1	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	28.79	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
16	EWL-E70-BB-B1-03-C1	At the bottom of Area C1 of EWL slab near eastern diaphragm wall	(ii)	42.66	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
17	EWL-E112-BB-B1-03-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	44.82	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
18	EWL-W129-BB-B1-02-C1	At the bottom of Area	(ii)	38.67	Unsuccessful in completing

Table 3: Unsuccessful in completing the test using enhanced Phased Array Ultrasonic Test (PAUT)					
Item	Coupler No.	Location of Coupler/Steel bar	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		C3 of EWL slab near western diaphragm wall			the test as clear measurement signals or readings cannot be obtained
19	NSL-W33-TT-T1-01-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	40.84	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
20	NSL-W33-TT-T1-03-C1	At the top of Hong Kong Coliseum Area of NSL slab near western diaphragm wall	(ii)	36.84	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
21	NSL-W127-TT-T1-03-C1	At the top of Area C3 of NSL slab near western diaphragm wall	(ii)	19.28	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
22	EWL-E40-TT-T1-02-C1	At the top of Area B of EWL slab near eastern diaphragm wall	(ii)	40.81	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
23	EWL-E40-TT-T1-03-C1	At the top of Area B of EWL slab near eastern	(ii)	38.57	Unsuccessful in completing the test as clear measurement

Table 3: Unsuccessful in completing the test using enhanced Phased Array Ultrasonic Test (PAUT)					
Item	Coupler No.	Location of Coupler/Steel bar	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
		diaphragm wall			signals or readings cannot be obtained
24	NSL-E29-TT-T1-03-C1	At the top of Area HKC of NSL slab near eastern diaphragm wall	(ii)	44.05	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
25	EWL-E33-TT-T1-02-C1	At the top of Area HKC of EWL slab near eastern diaphragm wall	(i)	40.10	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
26	EWL-W68-BB-B1-03-C1	At the bottom of Area C1 of EWL slab near western diaphragm wall	(ii)	37.58	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
27	NSL-W25-TT-T1-02-C1	At the top of Area HKC of NSL slab near western diaphragm wall	(ii)	39.02	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
28	EWL-E107-BB-B3-03-C2	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	(ii)	#	Unsuccessful in completing the test as clear measurement signals or readings cannot be

Table 3: Unsuccessful in completing the test using enhanced Phased Array Ultrasonic Test (PAUT)					
Item	Coupler No.	Location of Coupler/Steel bar	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
					obtained
29	EWL-W91-BB-B3-02-C2	At the bottom of Area C2 of EWL slab near western diaphragm wall	(ii)	#	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
30	EWL-W113-BB-B3-01-C2	At the bottom of Area C3 of EWL slab near western diaphragm wall	(ii)	#	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
31	NSL-E113-TT-T1-02-C1	At the top of Area C3 of NSL slab near eastern diaphragm wall	(ii)	#	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
32	EWL-E100-BB-B1-06-C1	At the bottom of Area C3 of EWL slab near eastern diaphragm wall	*	#	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained
33	EWL-W35-TT-T1-01-C1	At the top of Hong Kong Coliseum Area of EWL slab near western diaphragm wall	(ii)	#	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained

Table 3: Unsuccessful in completing the test using enhanced Phased Array Ultrasonic Test (PAUT)					
Item	Coupler No.	Location of Coupler/Steel bar	Purpose	Test Result using PAUT in the First Round Embedded Length (mm)	Test Result using Enhanced PAUT Embedded Length (mm)
34	NSL-E47-TT-T3-03-C2	At the top of Area B of NSL slab near eastern diaphragm wall	(ii)	#	Unsuccessful in completing the test as clear measurement signals or readings cannot be obtained

Remark:

#Locations where testing had not yet been carried out before the first round of PAUT was suspended.

*The opening up locations are not selected by random sampling. Given the allegation on cutting-short of steel bars located at the bottom of the slab at Area C3 of EWL near the eastern diaphragm wall no. EM100, the MTRCL needs to open up additional connections between the platform slabs and diaphragm walls for detailed inspection.