

Table 5.6: Example 4: Valuation by daywork

Background information

During the door installation process, the door opening D1 (900 mm x 2,100 mm) was constructed. The architect issued an Architect Instruction to revise D1 to D2 (1,500 mm x 2,100 mm) as the opening was being constructed; thus, widening work on door opening is required. It is assumed that the BQ has the daywork bill, which was priced separately. The operation involves the following steps.

1	Break up the existing plastered concrete wall (150 mm thick) to widen the door opening – use the daywork rate.
2	Revise the opening to the required size – use the daywork rate
3	Perform the necessary protection work for the adjacent work completed – material cost for protection screen, e.g., PVC sheet + the daywork rate.
4	Make good every disturbed work, e.g., concrete work, plastering work, etc. – use the daywork rate.
5	If the door is not yet fixed, omit door D1 and add door D2 (the rate for D2 is in the BQ). As no demolition work is needed for D1, use the BQ rate to omit D1 and add D2.

Valuation of the variation work (by daywork)

Step	Daywork	Material	
1	Allow 3 man days (general labour) HK450/day (rate from BQ) x 3 = HK\$1,350.		HK\$1,350
2	Allow 1 man day (general labour) HK450/day (rate from BQ) x 1 = HK\$450 and 1 man day (plasterer) HK650/day (rate from BQ) x 1 = HK\$650.		HK\$450 HK\$650
3	Allow 1 man day (general labour) HK450/day (rate from BQ) x 1 = HK\$450.	Allow: PVC sheet as protection screen 10m ² x HK\$60/m ² (material cost = HK\$600)	HK\$450 HK\$600
4	Allow 2 man days (plasterer) HK650/day (rate from BQ) x 2 = HK\$1,300.		HK\$1,300
	Add 15% profit and overhead for items 1 to 4 (\$4,800 x 0.15).		HK\$720
5	Omission: D1 @\$2,200 (BQ rate) Addition: D2 @\$4,500 (BQ rate)		(HK\$2,200) HK\$4,500
Total cost for this variation			HK7,820