



**TYPICAL SHOTCRETE BUTTRESS DETAIL  
WITH ROCK NAILS FOR SHOTCRETE**

NOT TO SCALE

1. ALL DRILL HOLES SHALL BE OVERDRILLED BY ONE FOOT. (ONE FOOT BETWEEN END OF BAR AND BOTTOM OF DRILL HOLE).
2. PAY ITEM 900.608 SPECIAL PROVISION (SHOTCRETE) AND PAY ITEM 900.640 SPECIAL PROVISION (ROCK NAIL FOR SHOTCRETE).

PROJECT NAME: ROCKINGHAM	
PROJECT NUMBER: IM 091-(57)	
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TYPICAL DETAIL SHEET 4	SHEET 7 OF 78