

SOUTH WEST STRUCTURES LTD	0605/01 FREMINGTON PARISH COUNCIL - Queen Elizabeth II Community Pavilion, Tews Lane	Date	23/2/21
		Sheet no.	1
Structural Calculations by SW		REVISION A - 10/06/24	
CALCULATIONS:			
The following calculation sheets provide design information and recommendations relevant to the above project. As shown on drawing 0605/DR01 and the Architect's details an existing single storey community building is proposed for extension.			

SOUTH WEST STRUCTURES LTD	0605/01 FREMINGTON PARISH COUNCIL - Queen Elizabeth II Community Pavilion, Tews Lane				Date	23/2/21	
					Sheet no.	2	
	Structural Calculations by SW				REVISION A - 10/06/24		
CALCULATIONS:							
Storm Drainage Design							
Adopted rainfall intensity	75 mm/hr						
Runoff coefficient	1.0						
Roof Area	174.72	m²	(40% increase)				
Roof Flowrate	3.64	l/s					
Yard Area	0	m²					
Yard Flowrate	0.00	l/s					
Total Flowrate	3.64	l/s	(initial values)				
See attached drainage calculations.							
Storm Drainage run 1:							
Roof Area	87.36	m²					
Floor Area	0	m²					
Runoff Flow	1.82	l/s	Total Flow	1.82 l/s			
Storm Drainage run 2:							
Roof Area	87.36	m²					
Floor Area	0	m²					
Runoff Flow	1.82	l/s	Total Flow	1.82 l/s			
Storm Drainage run 3:							
Roof Area	174.72	m²					
Floor Area	0	m²					
Runoff Flow	3.64	l/s	Total Flow	3.64 l/s			

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