

Project name	
Work zone	
Number	

Rev #	Author	Reviewer	Date
0	Mike Sparrow		


COMPLIANCE AND TEST STANDARDS		
#	Name	Applicable
1	NZS 4210:2001 Masonry Construction: Materials and Workmanship	YES
2	AS/NZS 4455.1:2008 Masonry Units, etc Appendix D Purchasing guidelines	YES
3	NZS 3103:1991 Specification for sands for mortars and plasters	YES
4	BS EN 998-2:2010 Specification for mortar for masonry	YES
5	AS/NZS 4671:2001 Steel reinforcing materials	YES
6	NZS 3112.4:1986 Methods of test for concrete – Tests relating to grout	YES
7	NZS 3112.2:1986 Part 2 Tests relating to the determination of strength of concrete	YES

SPECIFYING DOCUMENTS		
#	Name	Provide
1	Construction drawings and specification	Dimensions
		Structural arrangement
		Reinforcing grades
		Mortar strength
	Grout strength	
2	Product manufacturer	

QUALITY ASSURANCE DOCUMENT (QA Doc)		
#	Document type	Provided
1	Steel mill certificates	
2	Masonry unit verification records	
3	Mortar verification records	
4	Grout design	
5	Grout delivery docket	
6	Grout test results	
7	Solid fill concrete masonry unit technical permit	
8	Non compliance and corrective action report	

APPROVALS		
#	Document type	Provided
1	PS4	
2	Email	
3	Site report	

INSPECTION AND TEST PLAN – SOLID FILLED CONCRETE MASONRY

TIMING	QUALITY ASSURANCE ACTIVITY	COMPLIANCE OR TEST STANDARD	REQUIRED YES/NO	QA Doc	WHO CARRIES OUT QUALITY ASSURANCE ACTIVITY (TRANSMITTAL VIA SCL)	WHO APPROVES QUALITY ASSURANCE ACTIVITY	SPECIFYING DOCUMENT	APPROVAL DOCUMENT	PERMITTED CONSTRUCTION TASK ONCE APPROVALS RECEIVED
									
PRIOR TO STARTING	Selection of either: High lift grouting with expansive admixture (high lift grouting without expansive admixture is not allowed by SCL) OR Low lift grouting	1	YES		SCL in discussion with blocklayer	Engineer to contract	1 or n/a	2	PROCEED WITH PROCESS BELOW
Prior to ordering reinforcing	Provide steel mill certificates	5	YES	1	Reinforcing supplier	Engineer to contract	1	2	Order reinforcing
Prior to ordering masonry units	Provide quality records as per Appendix D item D 4.1	2	YES	2	Blockwork supplier	Engineer to contract	1	2	Order masonry units
Prior to ordering proprietary bagged mortar	Provide verification records	4	YES	3	Grout supplier	Engineer to contract	1	2	Order proprietary bagged mortar
Prior to agreeing to on site batched mortar	Carry out trial batches of mortar based on Appendix 2.A Compressive strength tests for mortar and grout	1	YES		Blocklayer	Engineer to contract	1	2	SPECIAL DISPENSATION IS REQUIRED FROM SCL BEFORE SITE BATCHING OF MORTAR WILL BE CONSIDERED
While laying the blocks	Dimensional surveillance	1	YES		SCL	SCL	1	n/a	
While placing reinforcing	Dimensional surveillance	1	YES		SCL	SCL	1	n/a	
Prior to grouting	Submit grout mix design	1	YES	4	Concrete supplier	Engineer to contract	1	2	Cast grout
	Prepour structural inspection	1	YES		Engineer to contract	Engineer to contract	1	2 or 3	
	Prepour dimensional inspection	1	YES		SCL	SCL	1	n/a	
	Spread test – spread value of between 450mm and 530mm	1, 6	YES		Blocklayer	SCL	1	n/a	

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While grouting blockwork	Take test cubes	6	YES		Grout supplier	SCL	1	n/a	
	Surveillance of grout placing and vibrating	1	YES		SCL	SCL	1	n/a	
After pouring grout	Inspection of finishes		YES		Engineer to contract	Engineer to contract	1	2 or 3	Corrective actions (if any)
	Concrete test results	7	YES	6	Grout supplier	Engineer to contract	1	2 or 3	
	Non compliance and corrective action reports (if any)		YES	8	SCL	Engineer to contract	n/a	2	
After corrective actions (if any)	Submit quality assurance documentation		YES		SCL	Engineer to contract	1	1	