

Inspection and Test Plan

ITP No: HA0423- Stru-0019 – 1



Client: AIAL	Subcontractor: Russell Gordon Contracting LTd	Work Area: Headhouse
Project Name: Domestic Jet Terminal	Job No: HA0423	Subcontractor Representative: TBA

1. ITP Element: Masonry

2. Revision Records

Rev No.	Revision Description	Name of Author	Authorised by:	Date
A	For Approval	Mike Rankin	Mike Rankin	15 July 2025
B	For Approval - Mott Mac-CAN-001151	Mike Rankin	Mike Rankin	24 July 2025
1	Approved HCG-CAN-000127	Mike Rankin	Mike Rankin	28 July 2025

3. Relevant Documents

Doc No.	Specification/ Drwgs/ Standards	Additional Info	Document No.	Specification/ Drwgs/ Standards	Additional Info
1	DP001-MMD-SPC-ST-Z-Z-0001 Rev 01	Section 8	5	Structural drawings DP001-MMD-DRW-ST-I-XX-8001 – 20, 51-59	
2	DP001-MMD-SPC-AR-Z-Z-0001	Revision 01 – IFC – Section 3320	6	DP001-MMD-DRW-ST-A-Z-0031/32 DP001-MMD-DRW-ST-F-Z-5050/50/51	
3	NZS4210	Code of practice for masonry construction	7	CONTROL JOINT REFER 1/F-Z-5050 LINTEL REINF REFER 1/F-Z-5051	
4	Architectural drawings H050 wall type legends		8	WELD PLATE REFER 3/F-Z-5051	

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4. Process

No.	Description Inspection / test	Frequency	Spec/standard	Acceptance Criteria	Measuring Devices	Reporting Format	Inspected by*			Hold Points Sign off	Remarks
							HCL	SC	Consult		
	Pre										
1	Prerequisite quality check	Prior to commencing each work face	All notes	Check: Starter bar location Grid set out Scabbling surface Reinforcement detailed and supplied to site	NA	N/A	I	W			
2	Setout hand over	Prior to commencing each work face	As per set out dwgs	HL to confirm datums and setout marks for each work face	Physical marks provided onsite	N/A	I	W			
3	LBP details	Prior to starting	8.3.1	Accept/ reject	N/A	Certificate	R	SUB	R		
4	Material certs for masonry units	Prior to starting	8.3.3; 8.6.1	12.5MPa	N/A	Certificate	R	SUB	R		Hawkins-TSUB-000164
5	Design Mix	Prior to starting	NZS3404 8.3.4., 8.6.6	25MPa	Off site	Design Mix	R	SUB	R		

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6	Proposed method of grouting	Prior to starting	8.3.1	Accept/ reject	N/A	Methodology	R	SUB	R		
	Onsite										
7	Reinforcement steel placements	Daily, Continually throughout laying process	8.6.7, 8.8.1 table 8.1 NZ4210 As per drwg DP001-MMD-DRW-ST-Z-5050/51 & relevant details	+/-6mm and ± 50 / $\frac{1}{4}$ grouted wall, centred in cell	Measuring tape/ level	QC checklist	M		S		Starter bars, tied reinforcement, ref to engineer if remedial works required
8	Laps	Daily, Continually throughout reinforcement process	As per drwg DP001-MMD-DRW-ST-Z-5050/51 & relevant details NZ3109	400mm – 1400mm depending in the bar	Measuring tape	QC checklist	M		S		
9	Cast in items	Each elevation prior to pouring	section 6 8.6.6 MMD-DRW-ST-Z-5050/51 & relevant details		Visual inspection	QC checklist	M		S		
10	Blockwork	Continually throughout laying process	Table 8.2 , 8.8.8.2 NZS4210 cl 2.6 MMD-DRW-ST-Z-5050/51 & relevant details	As per table bottom course 20mm max and typical course 10 ± 3 mm	Measuring tape/ level	QC checklist	M		S		
11	Block clearances	Non structural blocks and structural elements	MMD-DRW-ST-Z-5050/51 & relevant details section 5	25 -200mm	Measuring tape/ rotating level	QC checklist	M		S		

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12	Joints	Continually throughout laying process	MMD-DRW-ST-Z-5050/51 & relevant details section 1 or as specifies	Every 6m or as per drwg or change in wall height, thickness or amove/below movement joints	Measuring tape/ level	QC checklist	M		S		4 hour fire walls to have intumescent jointing sealant
13	Cleaning Out	Each vertical bar	8.8.3 NZS4210 sec 2.8	100 x 75 mm opening		QC checklist	R	Sub	R		
14	Grout testing	Each pour	NZS 4210 App 2A, NZS3112,2 8.3.4	25MPA at 28 days	Off site	Report & Drwg	R	Sub	R		
15	Protection of blocks	If temperature is extreme	8.8.2 NZS 4210 2.18/19	Less than 5 more than 25		QC checklist	M		R		

5. Document Deliverables *(The documents listed below shall be completed and compiled during the course of the construction)*

Completed QC	
Marked up Drwgs	
PS3	
Grout Results	
Material Certificate for masonry blocks	

6. Distribution Records

Name	Position	Company	Date
TBA		Mott McDonalds	
TBA		BECA	
TBA		AIAL	



Inspection and Test Plan

- Inspect (I) – To visually examine or measure an item or contracted work operation to verify its conformance to predetermined quality requirements
- Review (R) – To examine any form of documentation to establish its acceptability against specified requirements
- Surveillance (S) – To observe in-process activities to the degree necessary to be assured that they comply with the established criteria
- Test (T) – To subject a component, structure, or system to a controlled set of physical, chemical, environmental or operational conditions to determine or verify its capability to meet specified requirements
- Witness (W) – To watch over, observe or visually examine a specific work operation or test performed by others under Contractor supervision
- Monitor (M) – General oversight of work in progress with no need to document formally.
- Submission (Sub) – Submission of a document