

211593-BC-01-R1

08 October 2020

Richard Crookes Constructions,  
Level 3, 4 Broadcast Way,  
ARTARMON NSW 2064

**ATTENTION: Mr JAMES BUIST**

Dear Sir,

**RE: WYONG HOSPITAL REDEVELOPMENT, PACIFIC HIGHWAY, KANWAL  
POST-TENSIONED SLABS CERTIFICATE OF STRUCTURAL ADEQUACY**

We hereby certify that the suspended post-tensioned slabs for the above Project has been designed in accordance with the Australian Standard for Concrete Structures AS3600-2018, the SAA Loading Code AS1170.1-2002, AS1170.2-2011, AS1170.4-2007 and Taylor Thomson Whitting Consulting Engineer's design specifications.

Further, the post-tensioning has been installed by this Company in accordance with these drawings and the relevant Australian Standards.

Inspections were carried out prior to major concrete pours on a regular basis. The reinforcement associated with the post-tensioning was found to generally be in accordance with our drawings. Where reinforcement installation was not in accordance with the construction documentation, the differences were considered minor or subject to re-work and re-inspection as specified within our Site Inspection/Instruction issued to Richard Crookes Constructions. The items specified in the inspection reports have all been closed out by Richard Crookes Constructions prior to the concrete pours.

Yours faithfully,  
PTWORKS (NSW) PTY. LTD.



Ben Cheong *BE, MIEAust, CPEng, NER, APEC Engineer, IntPE(Aus)*  
**Engineering Director**  
**EA ID: 2213448**

# PTWORKS NSW PTY LTD

Post Tensioning Contractor & Engineering Consultants  
 ABN: 16 605 715 802  
 PO BOX 338 SOUTH HURSTVILLE NSW 2221  
 TEL: 9644 5432 FAX: 9644 6922  
 EMAIL: info@ptworksnsw.com  
 WEB: www.ptworksnsw.com



<b>PROJECT:</b>	<b>WYONG HOSPITAL</b>	<b>PROJECT No.</b>	<b>211593</b>
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COMPANY/CLIENT	CONTACT DETAILS
<b>WYONG HOSPITAL</b>	James Buist Joel Coubrough Craig Redman
<b>ADDRESS</b>	Jake Victor
<b>SITE:</b> Wyong Hospital	Daniel Murchison
<b>PRINTS ADDRESS:</b>	Tyrone Padayachee Trudy Agyeiwaa Harry Power
<b>PHONE:</b>	Joshua Constantine
	No. PRINTS PTWORKS:
	No. PRINTS

<b>Purpose of issue:</b>	P - Preliminary A - Approvals C - Construction R - Revised AB - As Built	A	A	A	A	C	A	A	C	C	C	C	AB	AB
<b>Method of issue:</b>	E - Email PC - Printed Copy M - Mailed CR - Courier	E	E	E	E	E	E	E	E	E	E	E	E	E
	U - Upload	U	U	U	U	U	U	U	U	U	U	U	U	U
<b>Document type:</b>	P - PDF File WD - Word Doc DWG - CAD DWG file	P	P	P	P	P/D	P/D	P/D	P	P	P/D	P/D	P	P
<b>Paper size:</b>	A0, A1, A3, A4, B1	B1												
	<b>ISSUED BY:</b>	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS	JS

<b>DISCIPLINE:</b>	<b>STRUCTURALS</b>	<b>DAY</b>	6	20	7	18	24	26	28	18	7	8	19	6	8
		<b>MONTH</b>	1	1	2	2	3	3	3	4	5	5	5	10	10
		<b>YEAR</b>	20	20	20	20	20	20	20	20	20	20	20	20	20

DRW No.	DRAWING NAMES	LATEST ISSUE	REVISIONS												
PT001	GENERAL NOTES AND TYPICAL POST TENSIONING DETAILS		0				A								B
PT006	LEVEL 2 AREA 1 POST TENSION LAYOUT		0	1	2	A			B					B	
PT007	LEVEL 2 AREA 1 BOTTOM REINFT LAYOUT		0	1	2	A			B					C	
PT008	LEVEL 2 AREA 1 TOP REINFT LAYOUT		0	1	2	A			B					C	
PT009	LEVEL 2 SECTION SHEET		0		1	A								B	
PT011	LEVEL 2 AREA 2 POST TENSION LAYOUT		0	1	2	A			B					B	
PT012	LEVEL 2 AREA 2 BOTTOM REINFT LAYOUT		0	1	2	A			B					C	
PT013	LEVEL 2 AREA 2 TOP REINFT LAYOUT		0	1	2	A			B					C	
PT016	LEVEL 2 AREA 3 POST TENSION LAYOUT		0	1	2	A			B					B	
PT017	LEVEL 2 AREA 3 BOTTOM REINFT LAYOUT		0	1	2	A			B					C	
PT018	LEVEL 2 AREA 3 TOP REINFT LAYOUT		0	1	2	A			B					C	
PT021	LEVEL 2 AREA 4 POST TENSION LAYOUT		0	1	2	A			B				B	B	
PT022	LEVEL 2 AREA 4 BOTTOM REINFT LAYOUT		0	1	2	A			B				C	D	
PT023	LEVEL 2 AREA 4 TOP REINFT LAYOUT		0	1	2	A			B				C	D	
PT025	LEVEL 2 PT LAYOUT DWG					A								B	
PT026	LEVEL 3 AREA 1 POST TENSION LAYOUT		0					0		A				B	
PT027	LEVEL 3 AREA 1 BOTTOM REINFT LAYOUT		0					0		A				B	
PT028	LEVEL 3 AREA 1 TOP REINFT LAYOUT		0					0		A				B	
PT029	LEVEL 3 SECTION SHEET		0					0		A				B	
PT031	LEVEL 3 AREA 2 POST TENSION LAYOUT		0					0		A			A		
PT032	LEVEL 3 AREA 2 BOTTOM REINFT LAYOUT		0					0		A			A		
PT033	LEVEL 3 AREA 2 TOP REINFT LAYOUT		0					0		A			A		
PT036	LEVEL 3 AREA 3 POST TENSION LAYOUT		0					0		A			A		
PT037	LEVEL 3 AREA 3 BOTTOM REINFT LAYOUT		0					0		A			A		
PT038	LEVEL 3 AREA 3 TOP REINFT LAYOUT		0					0		A			A		
PT041	LEVEL 3 AREA 4 POST TENSION LAYOUT		0					0		A			A		
PT042	LEVEL 3 AREA 4 BOTTOM REINFT LAYOUT		0					0		A			A		
PT043	LEVEL 3 AREA 4 TOP REINFT LAYOUT		0					0		A			A		
PT041	LEVEL 3 PT LAYOUT DWG							0		A				B	
PT046	LEVEL 4 AREA 1 POST TENSION LAYOUT							0				A	A		
PT047	LEVEL 4 AREA 1 BOTTOM REINFT LAYOUT							0				A	B		
PT048	LEVEL 4 AREA 1 TOP REINFT LAYOUT							0				A	B		
PT049	LEVEL 4 SECTION SHEET							0				A	B		
PT051	LEVEL 4 AREA 2 POST TENSION LAYOUT							0				A	A		
PT052	LEVEL 4 AREA 2 BOTTOM REINFT LAYOUT							0				A	B		
PT053	LEVEL 4 AREA 2 TOP REINFT LAYOUT							0				A	B		
PT056	LEVEL 4 AREA 3 POST TENSION LAYOUT							0				A	A		
PT057	LEVEL 4 AREA 3 BOTTOM REINFT LAYOUT							0				A	B		
PT058	LEVEL 4 AREA 3 TOP REINFT LAYOUT							0				A	B		
PT046	LEVEL 4 PT LAYOUT DWG							0				A		B	

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	MONTH		5	6	6	7	10	10
	YEAR		20	20	20	20	20	20

DRW No.	DRAWING NAMES	LATEST ISSUE	REVISIONS					
PT061	LEVEL 5 AREA 1 POST TENSION LAYOUT	0		A		A		
PT062	LEVEL 5 AREA 1 BOTTOM REINFT LAYOUT	0		A		B		
PT063	LEVEL 5 AREA 1 TOP REINFT LAYOUT	0		A		B		
PT064	LEVEL 5 SECTION SHEET	0		A		B		
PT066	LEVEL 5 AREA 2 POST TENSION LAYOUT	0		A		A		
PT067	LEVEL 5 AREA 2 BOTTOM REINFT LAYOUT	0		A		B		
PT068	LEVEL 5 AREA 2 TOP REINFT LAYOUT	0		A		B		
PT071	LEVEL 5 AREA 3 POST TENSION LAYOUT	0		A		A		
PT072	LEVEL 5 AREA 3 BOTTOM REINFT LAYOUT	0		A		B		
PT073	LEVEL 5 AREA 3 TOP REINFT LAYOUT	0		A		B		
PT061	LEVEL 5 PT LAYOUT DWG	0		A			B	
PT076	LEVEL 6 AREA 1 POST TENSION LAYOUT	0			A	A		
PT077	LEVEL 6 AREA 1 BOTTOM REINFT LAYOUT	0			A	B		
PT078	LEVEL 6 AREA 1 TOP REINFT LAYOUT	0			A	B		
PT079	LEVEL 6 SECTION SHEET	0			A	B		
PT081	LEVEL 6 AREA 2 POST TENSION LAYOUT	0			A	A		
PT082	LEVEL 6 AREA 2 BOTTOM REINFT LAYOUT	0			A	B		
PT083	LEVEL 6 AREA 2 TOP REINFT LAYOUT	0			A	B		
PT086	LEVEL 6 AREA 3 POST TENSION LAYOUT	0			A	A		
PT087	LEVEL 6 AREA 3 BOTTOM REINFT LAYOUT	0			A	B		
PT088	LEVEL 6 AREA 3 TOP REINFT LAYOUT	0			A	B		
PT076	LEVEL 6 PT LAYOUT DWG	0			A		B	