

HURREN, LANGMAN & JAMES COLLECTION

Shipping, flying, bus, rail and tram depots, public road transport, defense forces infrastructures, S253

The engineering partnership of Hurren, Langman and James consisted of Frank Hurren ASASM (1899-1992), William Wilson Langman and Wesley Hughes James ME (Adel), FSASM, MIE Aust, (b1898). "During 1928 Hurren established the first sustained consulting structural engineering practice in Adelaide to meet the small but growing need for more specialised reinforced concrete structural expertise. His practice survived the hard years of the Depression due to [Hurren's] drive and self-motivation. For over twenty years, the practice of Hurren, Langman and James was the pre-eminent consulting structural engineering firm in Adelaide, highly respected for its innovation and the quality of its work" (Stacy 2005 p87). On 10 August 1956, on the retirement of Frank Hurren, the partnership of Hurren, Langman and James was dissolved. James and Langman continued as Langman and James from 1 July 1956.

Frank Hurren studied at the S.A. School of Mines and Industries then worked in Sydney. On his return to Adelaide he worked with both E. Stone and M.S. Stanley, and later, in partnership with Langman and James he designed the structures of many Adelaide buildings, such as Shell House, Elizabeth House, the Bank of N.S.W. and the Savings Bank Building. William (Bill) Langman was Mayor of Burnside 1967-68 and was very active in the Adelaide Rotary Club. Wesley Hughes James studied at the University of Adelaide and became a Junior Assistant Engineer in the Engineer-in-Chief's Department in 1922. He then went to England and America, returning to Adelaide in 1927 where he gained the Degree of Master of Engineering in 1931. James worked with W. Francis before joining with Hurren and Langman, where he designed such structures as the Pt. Augusta and Osborne Power Stations. He was Chairman of the Institution of Engineers (S.A. Division) in 1944 (Cumming and Moxam 1986).

Key references

Cumming, D.A. and Moxham, G. (1986) *They Built South Australia*. Self published, South Australia.

Stacy, Bill. "A mad scramble': Frank Emery Hurren, consulting structural engineer". *Journal of the Historical Society of South Australia*, no.33, 2005: 87-101.

Bill Stacy, 'Hurren, Frank Emery (1899 - 1982)', *Australian Dictionary of Biography*, Volume 17, Melbourne University Press: 563-564.

Collection description

Hurren, Langman and James were a structural engineering firm who worked with many architectural firms in South Australia and interstate. This collection of records came from the Mortlock Library of South Australia, at the State Library of South Australia as a specialist group of business records. It consists of plans and drawings, calculations for jobs, correspondence, specifications and books. As these records, when accessed by the archivists, had no discernible order, they have been organised into groups related to the functions of the buildings described, then the owner's name. They are a valuable addition to the Architecture Museum because they contain work by architects not previously represented in the collections. Plans are stored in plan file drawers unless designated as 'Box' when they are stored in the archive boxes.

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This series consists of calculations, estimates, plans for wharves, bus and tram depots, train stations and depots, aerodromes, munitions buildings, cheer-up huts, bomb shelters

In Series Order

Control Tower	Parafield	1940	S253/1/1-
Cargo Shed	Pt Adelaide,	1939	S253/2/1-
Drill Hall	Torrens Parade Ground, Adelaide	1935-36	S253/3/1-8
Auxiliary Power House	Salisbury	1946	S253/4/1
Henley Foreshore	Henley and Grange	1953	S253/5/1
Rifle Range	Keswick Barracks	1939	S253/6/1
Hoist	Guinea Airways	1948	S253/7/1
Garage, Bonds Tours	Norwood	1945	S253/8/1
Garage, Pioneer Tours	Adelaide	1947	S253/9/1
Municipal Tramways Trust	Hackney	1945-54	S253/10/1-6
Harbors Board Office	Unknown	n.d.	S253/11/1
Melbourne Wharf	Melbourne	1945.	S253/12/1
Munitions buildings	Throughout state	n.d.	S253/13/1
City Parking Station	Adelaide	1929	S253/14
Jetty	Thevenard		S253/15
Rail workshop	Pt Augusta	1943	S253/16

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SERIES	DESCRIPTION	DATE	PERSONNEL
S253/1/1	Control Tower Parafield Aerodrome Quantities calculations. Includes list of construction firms Marked 4 (40) Box	1940	Hurren Langman & James
S253/2/1	Cargo Shed No 20, Ocean Steamers Rd for South Australian Harbours Board. Calculations. Marked 105 (39) Box	1939	Harbours Board, architect. Hurren Langman & James
S253/3/1	Ground floor plan of new drill hall, offices, stores etc at Parade Grounds, Adelaide. Hand tinted ozalid. Draw	1935	C L Dawes, architect & H W Rowlands, Works Director
S253/3/2	First floor plan of new drill hall, offices, stores etc at Parade Grounds, Adelaide. Hand tinted ozalid. Draw	1935	C L Dawes, architect & H W Rowlands, Works Director
S253/3/3	Plan of eastern elevation and sections for new drill hall, offices, stores etc at Parade Grounds, Adelaide. Hand tinted ozalid. Draw	1935	C L Dawes, architect & H W Rowlands, Works Director
S253/3/4	Plan of main entrance elevation and sections for new drill hall, offices, stores etc at Parade Grounds, Adelaide. Hand tinted ozalid. Draw	1935	C L Dawes, architect & H W Rowlands, Works Director
S253/3/5	Plan of part end wings elevation and details for new drill hall, offices, stores etc at Parade Grounds, Adelaide. Hand tinted ozalid. Draw	1935	C L Dawes, architect & H W Rowlands, Works Director
S253/3/6	Plan of back wall (east) elevation, details and sections for new drill hall, offices, stores etc at Parade Grounds, Adelaide. Hand tinted ozalid. Draw	1935	C L Dawes, architect & H W Rowlands, Works Director
S253/3/7	Detail of reinforced concrete beam to replace RSJs. Drill hall. Blueprint. Draw	25/6/1936	Hurren Langman & James.
S253/3/8	Calculations, quantities, estimates and tenderers list for new drill hall	n.d.	Hurren Langman & James.

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	at Torrens Parade Ground. Marked 18(2). Box.		
S253/3/9	Blueprint of details for steel roof trusses over gun park & drill hall. Marked Drg no 9. Draw	May 1935	Dept of Works, architect. Hurren Langman & James.
S253/4/1	Calculations and quantities for Auxiliary Power House at explosives factory, Salisbury. Marked 141(46) Box	1943-46	Hurren Langman & James
S253/4/2	Specification for diesel engines 990kva. Calculations for reinforcements to auxiliary power house. Salisbury. Marked 141(46) Box	1943-46	As Above
S253/4/3	Calculations and quantities for maintenance section of auxiliary power house. Salisbury. Marked 141(46) Box	1943-46	As Above
S253/4/4	Calculations and quantities for maintenance section of auxiliary power house. Salisbury. Marked 141(46) Box	1943-46	As Above
S253/4/5	Calculations and quantities for reinforcements to maintenance section and auxiliary power house. Salisbury. Marked 141(46) Box	1943-46	As Above
S253/4/6	Specification from Dept of Interior for erection of auxiliary power house and cooling ponds at Salisbury. Marked 141(46) Box.	March 1943	Hurren Langman & James
S253/5/1 A-C	Foreshore Henley & Grange Calculations, quantities and costs for retaining wall, repairs after storm, jetty repairs, shelter shed, ramps, toilets, and Lifesavers building. Marked 23(50). Box.	1953	Hurren Langman & James and Harbours Board.
S253/5/2	Foreshore Henley & Grange Specification for reinforced retaining concrete wall & ramps to foreshore. Not marked. Box	Dec 1953	Hurren Langman & James

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S253/6/1	Calculations for rifle range retaining wall at Keswick Barracks. Marked 102(39) Box	1939	Hurren Langman & James, Dept Interior and Works.
S253/7/1	Calculations for hoist for Guinea Airways. Marked 117 (45). Box	1945	Hurren Langman & James
S253/8/1	Calculations, sketches and quantities for Bonds Tours garage at Norwood. Marked 115(45). Box	1945	Hurren Langman & James
S253/9/1	Calculations for alterations to Simpson's old building for Pioneer Tours new garage at Wakefield St, Adelaide. Marked 15 and 74 (47) Box	1947	Hurren Langman & James. Garlick & Jackman, architects.
S253/10/1	Calculations for erection of amenities building for <u>Municipal Tramways Trust (MTT)</u> Marked 132(46) Box.	1946	Hurren Langman & James
S253/10/2	Calculations for addition of new floor to accommodation building at <u>Hackney for MTT</u> . Marked 80(46). Box	1945-46	Hurren Langman & James
S253/10/3 A-C	Calculations, sketches, specifications and quantities for alterations to servicing premises of <u>MTT depots at Port Adelaide, and Hackney</u> . Marked MTT. Box	1954-58	Hurren Langman & James
S253/10/4	Calculations, photographs & sketches for repair to boiler house at <u>Hackney for MTT</u> . Not marked. Box	1951	Hurren Langman & James
S253/10/5- 6	Convertor station no.15 at <u>Hackney for MTT</u> .	1951	Caradoc Ashton, Fisher and Woodhead architects, R.J. Nurse contractor
S253/11/1	<u>Harbours Board Office</u> Calculations and quantities for alterations. Marked 19(2) Box	n.d.	Hurren Langman & James. Harbours Board
S253/12/1	<u>Melbourne Wharf</u> Calculations and quantities for alterations. Not	1945	Hurren Langman & James.

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Marked Box

S253/13/1	<u>Munitions Area</u> . Salisbury & Cheltenham. Plan for laundry in maintenance and store area. Marked S.A.M. 736. Blueprint. Draw	1941	Hurren Langman & James, & Dept Interior and Works.
S253/13/2	<u>Munitions Area</u> . Salisbury & Cheltenham. Plan for paint store. Marked S.A.M. 735. Ozalid. Draw	1941	Dean W Berry & Gilbert, architects. Hurren Langman & James, & Dept Interior and Works.
S253/13/2	<u>Munitions Area</u> . Salisbury & Cheltenham. Plan for TNT store at engineers workshop Building no 14. Marked S.A.M. 271. Ozalid. Draw	7 Mar 1941	Dean W Berry & Gilbert, architects. Hurren Langman & James, & Dept Interior and Works.
S253/13/3	<u>Munitions Area</u> . Salisbury. Plan for no 2 explosives factory maintenance area, clothing issue building no 4. Ground floor plan and sections. Marked S.A.M. 629. Ozalid. Draw	1941	Garlick & Jackman, architects. Hurren Langman & James, & Dept Interior and Works.
S253/13/4	<u>Munitions Area</u> . Salisbury. Plan for maintenance area carpenters workshop on site no 11. Ground floor plan and sections. Marked S.A.M. 678. Ozalid. Draw	1941	Garlick & Jackman, architects. Hurren Langman & James, & Dept Interior and Works.
S253/13/5	<u>Munitions Area</u> . Salisbury. Plan for stripping column in acetone rectifying house. Cordite section. Marked W-S/A 1224. Blueprint. Draw	20 Dec 1941	Garlick & Jackman, architects. Hurren Langman & James, & Dept Interior and Works.
S253/13/6	<u>Munitions Area</u> . Salisbury. Details of R W Heads & B P Holdfasts. Marked S.A.M. 185. Blueprint. Draw	7 Feb 1941	Garlick & Jackman, architects. Hurren Langman & James, & Dept Interior and Works.
S253/13/7	<u>Munitions Area</u> . Salisbury. Details of gritless asphalt for all sections.	16 Jan 1941	Garlick & Jackman,

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	Marked S.A.M. 155. Blueprint. Draw		architects. Hurren Langman & James, & Dept Interior and Works.
S253/13/8	<u>Munitions Area</u> . Salisbury. Cordite section, column rectifying in acetone rectifying house. Marked W-S/A 1300. Blueprint. Draw	20 Jan 1942	Garlick & Jackman, architects. Hurren Langman & James, & Dept Interior and Works.
S253/13/9	<u>Munitions Area</u> . Tapleys Hill Rd Hendon. Quantity calculations for the case and bullet building At the ammunition factory. Includes tenderer list. Marked 6 (40). Box	1940	Department of Interior
S253/13/10	<u>Munitions Area</u> . Tapleys Hill Rd, Hendon. Main store building specifications. Marked 104(39). Box.	1940	Department of Interior
S253/13/11 -17	Salisbury Munitions Area, Maintenance Workshop drawings. (Rolled up together)	1941	
S253/13/18 -59	Salisbury Munitions Area, Administrative Offices drawings.	No date	
	Salisbury Explosives Factory, Maintenance Area drawing.	1941	
	Roof framing and floor plan sketches, unknown project. (Rolled up together)	No date	
S253/13/60 -104	Exploder Examination Building No. 129, Fuse Section, Munitions Area, S.A.	1944	
	Building No. 35, Salisbury.	1941	
	Shell Filling Section, Acid Section, TNT Section, Detonator Section, Cap Section, Fuse Section and Cordite Section, Salisbury Munitions Area, S.A., drawings.	Various dates	
	Double Change House, various	1941	

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	Sections, Munitions area, S.A., drawing.		
	Ammunition Factory, Footsgray, VIC, drawing.	1940	
	No. 2 Explosives Factory, Salisbury, S.A., drawing.	1941	
	Lists of buildings.		
	Note: Section refers to area not drawing type.		
	(Rolled up together)		
S253/13/ 105-140	Watch Tower, Garages, Shell Filling Section, Acid and Maintenance Sections, TNT Section, Detonator Section, Cap Section, Fuse Section and Cordite Section, Salisbury Munitions Area, S.A., drawings.	Various dates	
	No. 2 Explosives Factory, Salisbury, S.A., drawings.		
	(Rolled up together)		
S253/13/ 141-144	Boiler House, Salisbury Muniton, S.A., drawing.	1942	
	No. 2 Explosives Factory, Salisbury, S.A., drawings.	1941	
	(Rolled up together)		
S253/14 S253/15 S253/16	City Parking Station, Adelaide Jetty, Thevenard Port Augusta Commonwealth Railways, extension to workshop sections	1943	Commonwealth of Australia, Dept of Interior, works and service, Adelaide