

HURREN, LANGMAN & JAMES COLLECTION

HOSPITALS, SURGERIES

SERIES 250

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 Australiana, 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.

HURREN, LANGMAN & JAMES COLLECTION

List in Series numbers

S250

Royal Adelaide Hospital	S250/1/1
Dr Paull's Surgery	S250/2/1
Queen Victoria Hospital	S250/3/1 and S250/4/1
Wallaroo Hospital	S250/5/1
Adelaide Children's Hospital	S250/6/1
Repatriation Commission (Hospital)	S250/7
Yorketown Hospital	S250/8/1
South Terrace Private Hospital	S250/9/1
Friendly Society Medical Association (Perryman)	S250/10/1
Crippled Children's Home	S250/11/1
St Margarets Hospital	S250/12/1
Minda Home	S250/13/1
Dr Mayo's Surgery	S250/14/1
N.C.Y. casualty room	S250/15
Estcourt House, Grange	S250/16/1
Memorial Hospital	S250/17/1

HURREN, LANGMAN & JAMES COLLECTION

Royal Adelaide Hospital

Series 250/1

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/1/1	<u>Royal Adelaide Hospital, (RAH)</u> New nurses home. Ink on butter paper. Detail of concrete nib or external beams to support outer leaf of brickwork. Drawer.	July 1951	Hurren Langman & James
250/1/2	<u>Royal Adelaide Hospital, New Theatre Block, specifications</u> reinforced cement concrete. Typed on butter paper. Drawer.	n.d.	As above
S250/1/3	<u>Royal Adelaide Hospital.</u> Calculations for excavation quantities for new boiler room. Marked 51(48). Box.	1948	C Baulderstone. Hurren Langman & James
S250/1/4	<u>Royal Adelaide Hospital.</u> Pencil on trace. New Operating theatre - part east cover-way at junction with Bice building. Not marked. Drawer.	n.d.	Hurren Langman & James
S250/1/5	<u>Royal Adelaide Hospital.</u> Ink on trace. New operating theatre block. Structural revision due to amended sterilising layout. Not Marked. Drawer.	1941	H L Stevenson, architect in chief. Hurren Langman & James
S250/1/6	<u>Royal Adelaide Hospital.</u> Ink on trace. New operating theatre block. Revision to concrete beam 127 bridging existing branch duct. Not Marked. Drawer.	1942	H L Stevenson, architect in chief. Hurren Langman & James
S250/1/7	<u>Royal Adelaide Hospital.</u> Pencil on trace. New operating theatre block. Detail at top of ventilating shaft. Not Marked. Drawer.	n.d.	H L Stevenson, architect in chief. Hurren Langman & James
S250/1/8	<u>Royal Adelaide Hospital.</u> Ink on trace. New operating theatre block. Unlabelled sketch of jarrah beam & section. Not Marked. Drawer.	n.d.	H L Stevenson, architect in chief. Hurren Langman & James
S250/1/9	<u>Royal Adelaide Hospital.</u> Pencil on trace. New operating theatre block. Beam connections. Not Marked.	1940	H L Stevenson, architect in chief. Hurren Langman &

HURREN, LANGMAN & JAMES COLLECTION

	Drawer.		James
S250/1/10	<u>Royal Adelaide Hospital</u> . Ozalid. New operating theatre block. Service Lift. Marked 24-42. Drawer.	1942	H L Stevenson, architect in chief. Hurren Langman & James
S250/1/11	<u>Royal Adelaide Hospital</u> . Blueprint. New operating theatre block. Suggested formwork for cantilevered balconies. Not Marked. Drawer.	n.d.	H L Stevenson, architect in chief. Hurren Langman & James
S250/1/12	<u>Royal Adelaide Hospital</u> . Blueprint. New operating theatre block. Sections & elevation. Not Marked. Drawer.	n.d.	H L Stevenson, architect in chief. Hurren Langman & James
S250/1/13	<u>Royal Adelaide Hospital</u> . Blueprint. New operating theatre block. East & west elevations. Not Marked. Drawer.	n.d.	H L Stevenson, architect in chief. Hurren Langman & James
S250/1/14	<u>Royal Adelaide Hospital</u> . Blueprint. New operating theatre block. Elevation to North Tce and other sections. Not Marked. Drawer.	n.d.	H L Stevenson, architect in chief. Hurren Langman & James
S250/1/15	<u>Royal Adelaide Hospital</u> . Blueprint. New operating theatre block. North elevation and sections. Not Marked. Drawer.	n.d.	H L Stevenson, architect in chief. Hurren Langman & James

HURREN, LANGMAN & JAMES COLLECTION

Doctors' Surgeries

S250/2

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/2/1 Dr Paul	Proposed surgery, Magill Rd, Magill for <u>Dr T A Paull</u> . Details of beam & pier foundations. Ink on butter paper. Drawer.	n.d.	

HURREN, LANGMAN & JAMES COLLECTION

Queen Victoria Maternity Home

S250/3 and 4

Originally called The Queen's Home, the hospital was built at Victoria Avenue, Rose Park, S.A. to meet a need for a maternity hospital where single mothers and poorer mothers could have their babies in safety with the latest technology to help them and their babies. Lady Tennyson, wife of the then Governor of South Australia, headed the committee that raised the funding for the hospital.

Later the name of the hospital was altered to the Queen Victoria Nursing Home, then the Queen Victoria Maternity Hospital, and then the Queen Victoria Hospital.

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/3/1	<u>Queens Home</u> (QVH) Stair set out Stairs 1 st & 2 nd . Pencil on butter paper. Drawer.	ND	
S250/3/2	Part plan bathroom. 1st floor . Pencil on butter paper	ND	
S250/3/3	Ducts at Lav. No. 6. 1 st floor. Pencil on butter paper. Drawer.	ND	
S250/3/4	Plan of footings 7,8. Section of footing 7. Ink on paper. Drawer.	Dec 1946	Evans and Bruer, Architects 20 Cowra Chambers, Grenfell St, Adelaide
S250/3/5	Beams C & Q Nth wall beam. Section fuel store. Sect Col. 7 showing beam P. Wall beams 1-5, 11-14. Ink on butter paper.	Feb 1947	
S250/3/6	Part plan of ground floor slabs. Ink on butter paper.	24 Feb 1947	Evans & Bruer Architects
S250/3/7	Fuel store Sections A - E. Part plan of duct C. Ink on paper	28 Feb 1947	Evans & Bruer Architects
S250/3/8	Plan of duct C showing position of reinforcing fabric. Ink on butter paper	7 Mar 1947	
S250/3/9	Part plan ground floor slab, section, elevation, plan of beams. Ink on paper	12 Mar 1947	Evans & Bruer Architects
S250/3/10	Completion of Duct D. Details of recess, Part plan of below ground Duct D lift shaft. Plan of combined footing 22-23. Ink on paper	June 1947	Evans & Bruer, Architects
S250/3/11	Completion of ground floor slabs,	July 1947	Evans & Bruer,

HURREN, LANGMAN & JAMES COLLECTION

	Part ground floor plan of lift shaft. Ink on paper		Architects
S250/3/12	Concrete stair detail. 1 st floor & ground floor plans stair sections.	Aug 1947	Evans & Bruer, Architects
S250/4/1	Additions to Queen Victoria Maternity Home (QVH) 1 st , 2 nd , 3 rd floor plans. Roof and lift house plans. Ink & water colour on paper.	Mar 28 1946	Evans & Bruer, Architects.
S250/4/2	Additions: Side, elevation, section views of additions. Ink & watercolour on paper.	Mar 1946	Evans & Bruer
S250/4/3	Additions: ground floor plan. Ink & watercolour on paper	Mar 1946	Evans & Bruer
S250/4/4	Additions. Sections A,B,C,D,E., North, south, east elevations. Diazo & watercolour	May 1946	Evans & Bruer
S250/4/5	Additions: Ground floor plan, Block plan, foundation plan, with details of fittings to bedrooms, utility rooms & dressing rooms. Diazo & w/colour	May 1946	Evans & Bruer
S250/4/6	Lift house, nurses quarters, section, elevations. Diazo & w/colour	N/S	Evans & Bruer
S250/4/7	Amendment to alterations. Third floor plan	Diazo	Evans & Bruer
S250/4/8	Amendment to plan of antenatal section. Part ground floor plan. Diazo	22 Aug 1946	Evans & Bruer
S250/4/9	Additions: rooms on 3 rd floor. 3 rd floor plan. Diazo & watercolour	23 Sept 1946	Evans & Bruer
S250/4/10	Additions: North & South & part east elevation, ground floor, 3 rd floor and roof plans. Diazo & w/colour	16 Oct 1946	Evans & Bruer
S250/4/11	Additions: Reinforced concrete details foundation plan. Ink on	Nov 1946	Evans & Bruer

HURREN, LANGMAN & JAMES COLLECTION

	paper		
S250/4/12	Details of reinforcement of duct, sections A,B,C,D. Enlarged plan at recess 2. Plan of duct A. Ink on butterpaper	19 Nov 1946	Evans & Bruer
S250/4/13	Plan of duct floor showing position of reinforcing fabric. Pencil on tracing paper	17 Jan 1947	
S250/4/14	New nursery stairs: ground floor. Diazo	Mar 1947	Evans & Bruer
S250/4/15	New nurses quarters, Eastern elevation. Blue print	Mar 1947	Evans & Bruer
S250/4/16	New nursery stairs, 1 st floor. Diazo	Mar 1947	Evans & Bruer
S250/4/17	Section thro new nursery stairs. Diazo	Mar 1947	Evans & Bruer
S250/4/18	Beam over hot water room. Blue print	April 1947	Evans & Bruer
S250/4/19	Premature babies room. Elevation of opening between new & existing parts of this room.	April 1947	Evans & Bruer
S250/4/20	Additions: Reinforced concrete details, sections thro ducts. Sections A,B,C,D,E,F,G,H,I through fuel store. Ink on paper	1946-47	Evans & Bruer
S250/4/21	Additions: Reinforced concrete details 1 st floor slab & beams. Ink on paper	June 1947	Evans & Bruer
S250/4/22	Additions: Reinforced concrete details, 2 nd & 3 rd floor slabs. Ink on paper	June 1947	Evans & Bruer
S250/4/23	Additions: Reinforced concrete details, roof beams & lift house roof. Ink on paper	1947	Evans & Bruer
S250/4/24	Additions: Reinforced concrete details Column Schedule & footings. Ink on paper	1947	Evans & Bruer

HURREN, LANGMAN & JAMES COLLECTION

S250/4/25	Additions: Reinforced concrete details, Second & third floor beams. Ink on paper	June 1947	Evans & Bruer
S250/4/26	Additions: Reinforced concrete details, Ground floor beams etc. Ink on paper	1947	Evans & Bruer
S250/4/27	Additions: reinforced concrete details, Ground floor beams. Ink on paper.	1947	Evans & Bruer
S250/4/28	Additions: Set out of stairs: Nurses Quarters. Pencil on tracing paper. Drawn by S. G.	August 1947	Evans & Bruer
S250/4/29	Additions: Details of Lift Motor Room, etc. Sections of stairs looking West & South. Ink and pencil on tracing paper.	17 June 1948	Evans & Bruer
S250/4/30	Additions: Additions to Laundry, Structural details. Ink on paper	July 1948	Evans & Bruer
S250/4/31	Additions: Steel escape stairs. Ink on paper.	November 1948	Evans & Bruer
S250/4/32	Alterations & Additions: Half section and elevation. Blue Print. Drawn by R. D.	June 1951	Evans & Bruer & Partners
S250/4/33	Alterations & Additions: North South & West elevations. Second Third & Roof plans. Concrete floor and tile layout. Floor & window details. Wardrobe duct details. Blue print. Drawn by R. D.	June 1951	Evans & Bruer & Partners
S250/4/34	Alterations & Additions: Reinforced concrete details. Ink on paper.	July 1952	Evans & Bruer & Partners
S250/4/35	Additions: Staff dining room. Foundation details. Ink on paper.	13 August 1946	Evans & Bruer
S250/4/36	Specification of Alterations and Additions to Hospital Buildings for the Queen Victoria Hospital Inc.	June 1951	Evans and Bruer and Partners

HURREN, LANGMAN & JAMES COLLECTION

HURREN, LANGMAN & JAMES COLLECTION

Wallaroo Hospital

S250/5

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/5/1 Wallaroo	Wallaroo Hospital. Calculations and quantities for the building of the Wallaroo Hospital. Marked 20 (40) Box	1940	Architect in Chief

HURREN, LANGMAN & JAMES COLLECTION

Adelaide Children's Hospital

S250/6/

This hospital was built by public subscription for children and their special needs. In 2000 it was renamed the Women's and Children's Hospital and now caters for the special needs of children and their mothers.

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/6/1	Calculations and estimates for additions to <u>Children's Hospital</u> . Box.	1934	Hurren Langman & James
S250/6/2 A-C	Sketches of unstated (columns?) plans for alterations. Pencil on tracing paper. Drawer.	n.d.	unknown
S250/6/3	Marked sheet 2, job 102. Ground floor plan for additions to <u>Children's Hospital</u> . Blueprint. Drawer.	1934	Woods Bagot, Laybourne Smith & Irwin.
S250/6/4	Marked sheet no 3, job 102. First floor plan for additions to Children's Hospital. Blueprint. Drawer.	1934	Woods Bagot, Laybourne Smith & Irwin
S250/6/5	Marked sheet no 4, job 102. Plan at sunroom level and roof level for additions to Children's Hospital. Blueprint. Drawer.	1934	Woods Bagot, Laybourne Smith & Irwin
S250/6/6	Marked sheet no 5, job 102. West and east elevation plans for additions to Children's Hospital. Blueprint. Drawer.	1934	Woods Bagot, Laybourne Smith & Irwin
S250/6/7	Marked sheet no 6, job 102. South elevation and sections CC and DD for additions to Children's Hospital. Blueprint. Drawer.	1934	Woods Bagot, Laybourne Smith & Irwin
S250/6/8	Marked sheet no 7, job 102. Sections EE, AA and BB for additions to Children's Hospital. Blueprint. Drawer.	1934	Woods Bagot, Laybourne Smith & Irwin
S250/6/9	Marked sheet no 8, job 102. Footing plan, column schedule and footing schedule for additions to	1934	Woods Bagot, Laybourne Smith & Irwin

HURREN, LANGMAN & JAMES COLLECTION

Children's Hospital. Ink on linen.
Drawer.

S250/6/10	Marked sheet no 9, job 102. Details of wall beams at level of ground floor slab, details of ducts, stairs, and beams for additions to Children's Hospital. Ink on linen. Drawer.	1934	Woods Bagot, Laybourne Smith & Irwin
S250/6/11	Marked sheet 10, job 102. Plan of first floor slab, sunroom roof slab, boiler room roof, and details of ribs for additions to Children's Hospital. Ink on linen. Drawer.	1934	Woods Bagot, Laybourne Smith & Irwin
S250/6/12	Marked sheet no 11, job 102. Details of balcony cantilever and beams for additions to Children's Hospital. Ink on linen. Drawer.	1934	Woods Bagot, Laybourne Smith & Irwin
S250/6/13	Calculations for concrete quantities for first floor. Box.	n.d.	Hurren Langman & James
S250/6/14	Calculations for excavations and tiles for new Mitchell Wing at Adelaide Children's Hospital. Marked 69(45). Box	1945	Hurren Langman & James

HURREN, LANGMAN & JAMES COLLECTION

Repatriation Hospital

S250/7/

This hospital was built to accommodate soldiers returning from WWII. Later it was used for looking after all service personnel and their wives, as they grew older. It has been called Daw Park Hospital, The Repatriation Hospital, and Returned Forces Hospital. Funding is from the government and all repatriation services are run by a Commission which has had various name changes over time.

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/7/1	Calculations and estimates for new premises in Pulteney St, Adelaide for the Repatriation Commission. Box.	n.d.	Hurren Langman & James

HURREN, LANGMAN & JAMES COLLECTION

Yorketown Hospital

S250/8/

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/8/1	Calculations and estimates for circular concrete tank, 30,000 gallons. Marked 121(45) Box.	1945	Hurren Langman & James

HURREN, LANGMAN & JAMES COLLECTION

South Terrace Private Hospital

S250/9/

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/9/1	Calculations for slab. Marked E A Keal. 60(46) Box.	1946	Hurren Langman & James

HURREN, LANGMAN & JAMES COLLECTION

Friendly Society Medical Association

S250/10/

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/10/1	Calculations for beams, 2 nd floor slab, and stairs for Perryman's. Marked E A Keal. 24(47) Box.	1947	Hurren Langman & James

HURREN, LANGMAN & JAMES COLLECTION

Crippled Children's Home

S250/11/

The Crippled Children's Home, Esplanade, Somerton provided long term care, short respite care and medical facilities for the Crippled Children of South Australia.

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/11/1	Calculations and specifications for addition to the <u>Crippled Children's Home</u> at Somerton. Marked 15(48) Box.	1948	Caradoc, Ashton & Fisher, architects. Hurren Langman & James

HURREN, LANGMAN & JAMES COLLECTION

Saint Margarets Hospital

S250/12/

Also called St Margarets Convalescent Home.

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/12/1	Calculations for addition of lavatory block to <u>St Margarets Hospital</u> . Marked 65(48) Box.	July 1946	Hurren Langman & James
S250/12/2	Plan of proposed additions to <u>St Margarets Hospital</u> . Pencil & ink on butter paper. Drawer.	n.d.	Evans & Bruer, architects.
S250/12/3	Floor plan & elevation of proposed additions to <u>St Margarets Hospital</u> . Ozalid. Drawer.	n.d.	Evans & Bruer, architects.
S250/12/4	Sketches of necessary construction for additions to <u>St Margarets Hospital</u> . Pencil & ink on paper. Drawer.	n.d.	Evans & Bruer, architects.

HURREN, LANGMAN & JAMES COLLECTION

Minda Home

S250/13/

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/13/1	Calculations, specifications and tenderers list for additions to the <u>Minda Home</u> at Brighton. Extensions to kitchen in 'Main Block', 'Administration Block' and 'Vercoe Block'. Marked 103(39) Box.	1939	H H Conel, architect. Hurren Langman & James
S250/13/2	Calculation of quantities for Nurses Block at <u>Minda Home</u> . Marked 105 (37). Box	1937	Fricker Bros, builders. Hurren Langman & James

HURREN, LANGMAN & JAMES COLLECTION

Dr Mayo's Surgery

S250/14/

Dr Mayo's Surgery, Shell House, North Terrace.

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/14/1	Calculations for stand for XRAY equipment at <u>Dr Mayo's surgery</u> . Marked 95(39). Box.	Dec 1939	Ashton & Fisher, architects. Hurren Langman & James.

HURREN, LANGMAN & JAMES COLLECTION

Casualty Block, NCY, Salisbury

S250/15/

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/15/1	Calculations for addition of Casualty Block to <u>N.C.Y.</u> at Salisbury. Marked 62(46). Box.	1946	Hurren Langman & James

HURREN, LANGMAN & JAMES COLLECTION

Estcourt House

S250/16

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/16/1	Calculations for Dr L O Betts Memorial Room at <u>Escourt House</u> , Grange. Marked 66(45). Box.	1945	Hubert H Cowell, architect. Hurren Langman & James.

HURREN, LANGMAN & JAMES COLLECTION

Memorial Hospital
North Adelaide

S250/17

<u>SERIES</u>	<u>DESCRIPTION</u>	<u>DATE</u>	<u>PERSONNEL</u>
S250/17/1	Additions <u>Memorial Hospital</u> . Ink on trace. Details of lift shaft. Not marked. Drawer.	n.d.	Hurren Langman & James.
S250/17/2	Additions <u>Memorial Hospital</u> . Ink on trace. Details of lift pit. Not marked. Drawer.	n.d.	Hurren Langman & James.
S250/17/3	Additions <u>Memorial Hospital</u> . Ink on trace. Details of lift house. Not marked. Drawer.	n.d.	Hurren Langman & James.