

# Architecture

**A N D   A R T S**

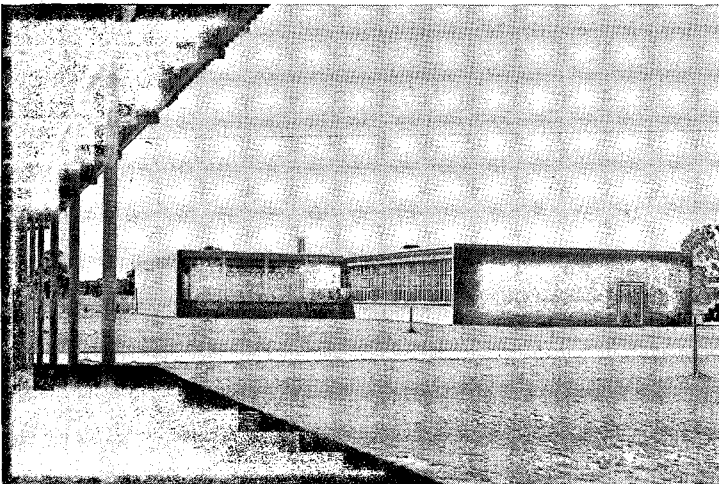
**PUBLISHED MONTHLY   PRICE FOUR SHILLINGS**

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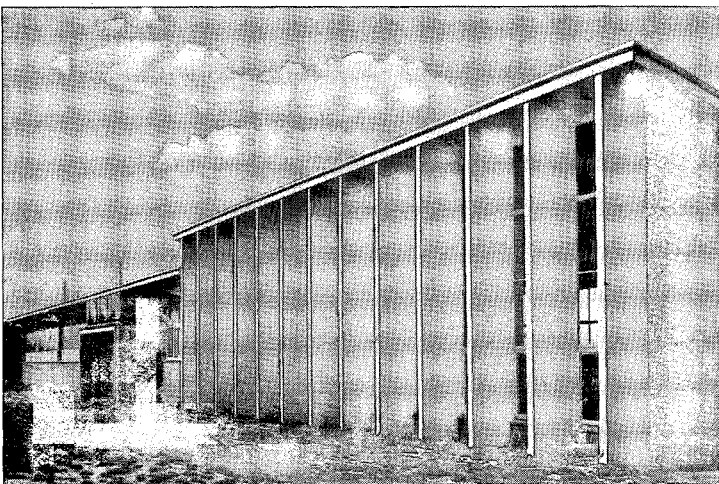
# THE NEW BUILDINGS OF THE International Harvester Company of Australia Pty. Ltd.



**Factory**



**Administration Block**



**Amenities Building**

These new buildings, forming the International Harvester Company's new plant for Motor Truck Assembly at Dandenong, do not represent a milestone in Architectural development, but do, together with such other recent buildings as the Standard Vacuum Refining Co. Pty. Ltd. buildings at Altona (featured in June issue), represent a milestone in the development of industrial building in Australia.

In the past, there has been little or no architecture present in Australian industrial building, but, at long last good design and, therefore, order, has entered into the planning of buildings for industry.

Here, at Dandenong, Hassell and McConnell have produced a simple, unaffected and handsome plant worthy of the progressive international company.

**THE FACTORY** was planned to permit expansion to the north and east.

**Construction:** Steel frame with corrugated asbestos walling and roofing; internal crane bay has butterfly monitor truss over; dado walls, red day bricks; floor, concrete.

**THE ADMINISTRATION BLOCK** was designed initially for personnel of 110, but is capable of quadruple expansion, including future first floor.

**Construction:** Steel frame, columns, boxed channels exposed with R.S.J. beams supporting roof slab.

Walls, red brick; roof, concrete with gravel topped bitumen felt; floor, linoleum covered concrete.

**AMENITIES BUILDING** houses toilets, ablution and locker rooms for factory personnel with canteen serving whole works. All sections are planned for quadruple expansion.

**Construction:** Steel frame and load-bearing brick walls; columns, boxed channels exposed with pratt trusses and pitched R.S.J. roof rafters. Saw-tooth roof, corrugated asbestos. Walls, red brick, struck internally in canteen and locker rooms, plastered elsewhere. Sun baffles, timber-framed asbestos sheeting.

Floor, concrete with linoleum to canteen, granolithic cover in locker rooms, terrazzo to toilets and ablutions.

Colour is a feature of both external and internal treatment. Externally, strong tones of chrome yellow, turquoise and venetian red contrast with white trims. Inside walls and ceilings are in pastel shades,

The island, where this proposed resort will be built, is situated 100 miles north of the Tropic of Capricorn, is of the submerged mountain type, possessing a sandy flat seaboard 660 feet deep, facing a sheltered bay on the northern side.

The bay is suitable for service by flying boats and small coastal steamers. The gradient of the island shelf is slight; mean tidal fall is approximately 10 feet. A visitor on arrival would be conscious of the transparency of the water, the serenity of the palm fringed bayside, and the drama of the steeply rising, richly covered mountainous background.

In midsummer, the sun is vertically above the Tropic of Capricorn, and will hit the south elevations at a steep angle all day. In early and late winter, the beginning and end of the March to October tourist season, the midday sun will strike north elevations at an angle of approximately 70 degrees. In July, the angle will be approximately 40 degrees.

The climatic conditions, together with the informal atmosphere of the entire Barrier Reef area, minimise the conventional necessity for cumbersome clothing and total architectural enclosure.

One of the major problems in the project was the control of noise. The sleeping quarters were removed from all other areas in proportion to the latter's noise producing capacity and infrequency of use.

Double rooms have both bath and shower; singles have only showers. Bathrooms are centred on ducts which carry through to the ground in the stilts, and which carry a low pressure exhaust ventilation system to the roof. All rooms have full view, are sun and glare protected, and are cross ventilated through 6 ft. sliding glass doors and overhead adjustable louvres on the north, and full height timber adjustable louvres on the access side.

Free-standing glass screens and mural walls provide protection from wind, noise, and circulation areas.

On the ground floor of the main block are quiet functional adjuncts such as library, linen store, mail desk, general and manager's offices, lavatories, beauty parlour and barber's shop.

The dining area is circular, 30 ft. internal diameter, with 1080 in. terrace all round. Access is both from under the covered way up a ramp, or directly from first floor level across the covered way. The kitchens, stores, staff dining area and main bar are under the dining floor on ground level.

Service to the diners is by means of 3 ft. square lift hatches from servery and liquor store below, which also open on to staff dining terrace. Neither dining area is completely enclosed, spaces being left between the free standing glass screens. The solid segmental wall at the back of the building will help stop noise penetration to the main block.

The swimming pool, beach, table tennis and billiard areas are adjacent, the shops are on the path leading to it (from the main block, bar and dining room), the ballroom is the termination of the covered way.

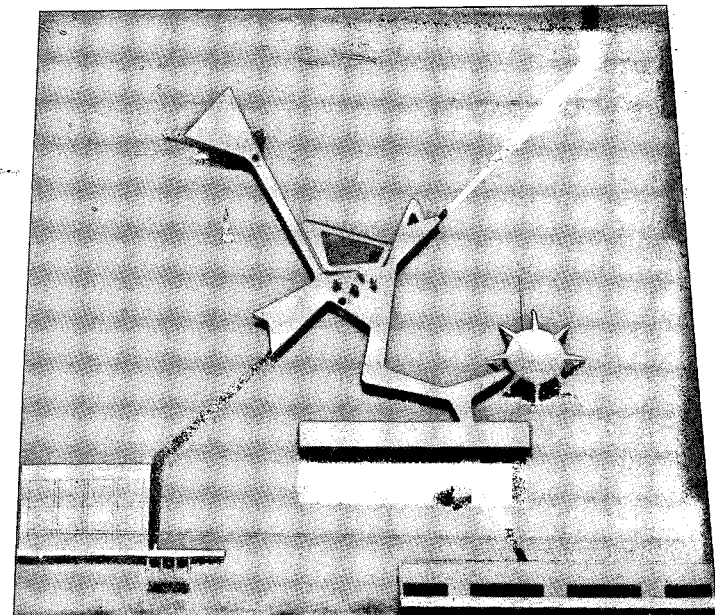
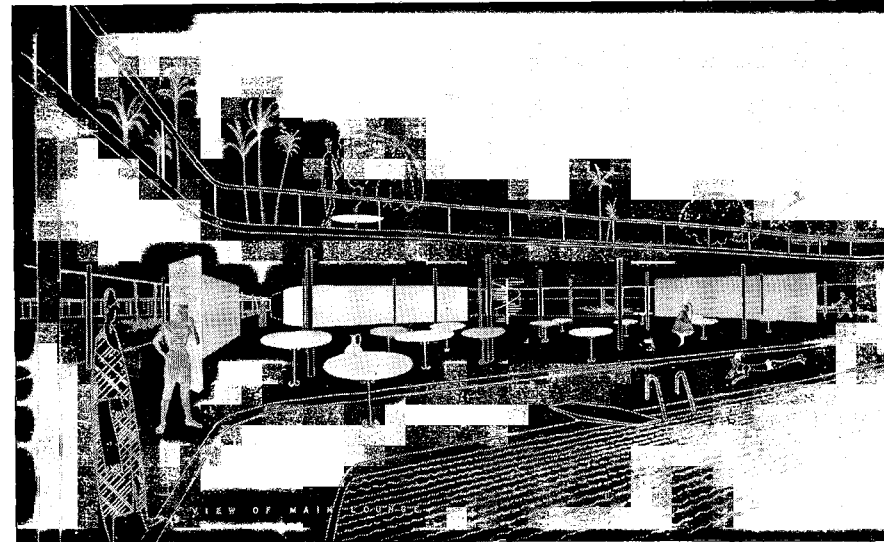
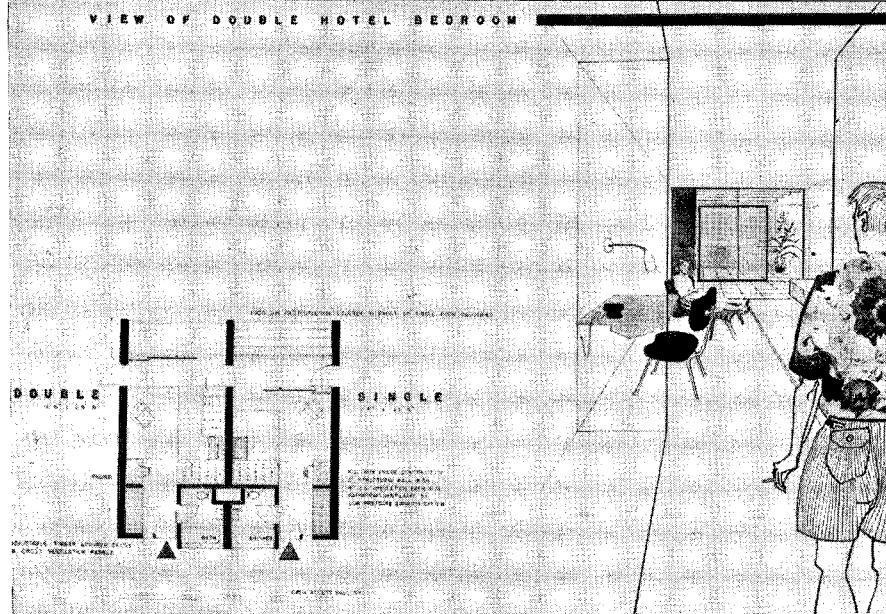
The ballroom roof canopy rises as a culmination of the covered way. The dance floor is a circular sunken timber floor on rock and concrete fill. The R.C. canopy is tied back into the covered way slab.

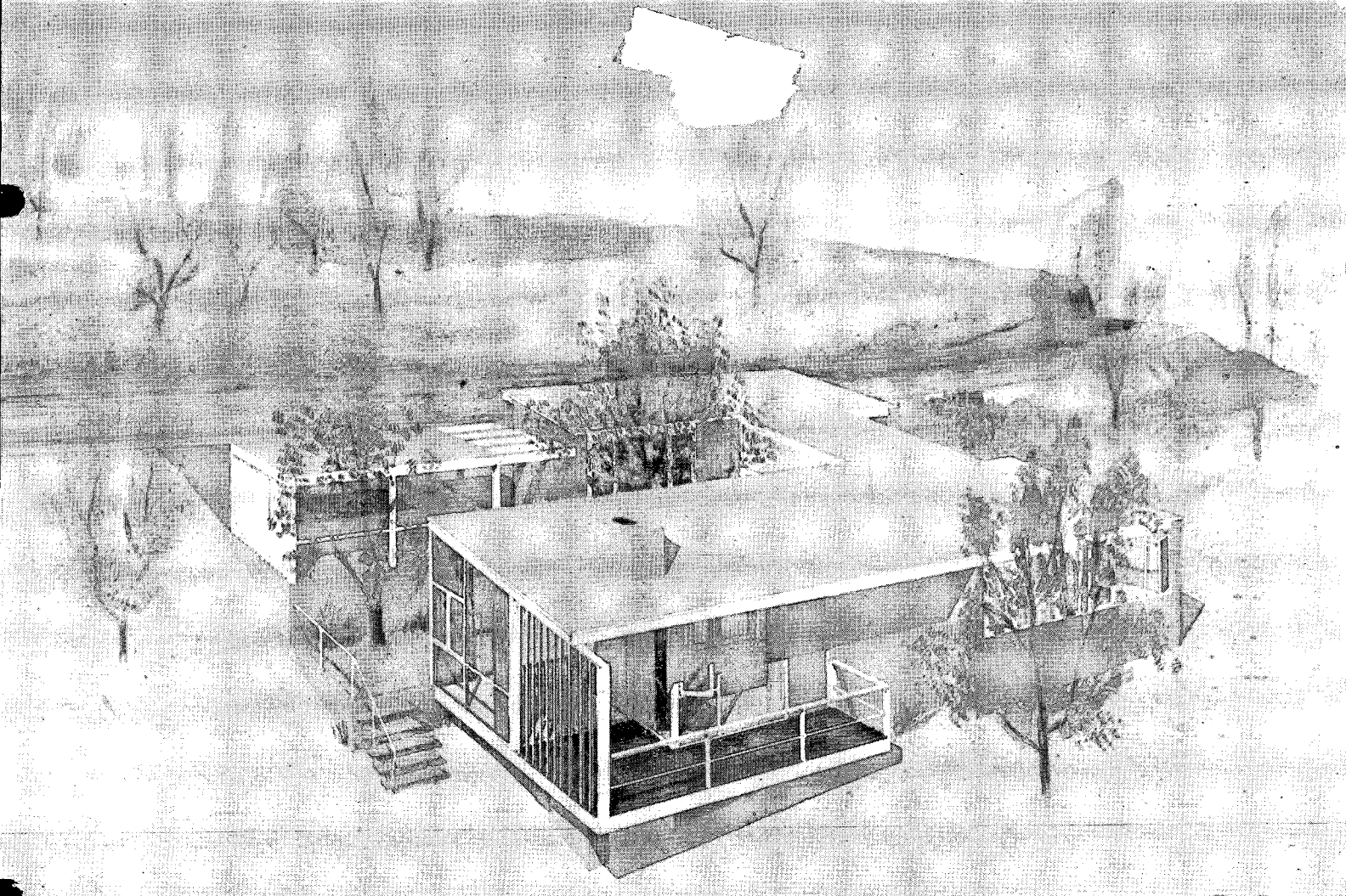
Access to the ballroom is primarily along the top of the covered way from the main living block, down a simple but monumental stair into the space behind the music shell, to which a bar and kitchenette is backed.

Weather protection was necessary for the actual timber floor, and other flexible screens are provided for protection of seated guests from breezes, and for table grouping on the terrace.

The ballroom shape opens up a complete view of the moon, stars and the sea.

The staff quarters are in contrast to the form of the main block—they are longer, lower and broader, and are splayed into the ground, instead of arising off it,





## HOUSE AT GORDON, N.S.W.

SPAIN, COSH AND STEWART, ARCHITECTS

In this period of multi-storey structure and large industrial plants, it is reassuring to know that so many of our leading architects still manage to devote a major effort to the design of residences and that houses intended for normal family living are receiving just as much attention as the more luxurious type of house.

After 15 years of hesitancy, it can be said that the efficient modern house has now arrived. The average client today expects this kind of house from his architect.

This house is a typical example of the kind of dwelling resulting from this new spirit. It is built in what could be called the modern Australian vernacular while the obvious thought behind its planning has given it individuality and freshness.

**SITE.**—Falls from street towards the South, suggesting a two level plan. View to South West.

**EXTERNAL WALLS.**—11-in. common brick, flushed and cut joints, colour washed.

**INTERNAL WALLS.**—Cement rendered. Fireplace, similar to external brickwork, painted.

**WINDOWS.**—Timber frames. Casements and semi-reversible sash.

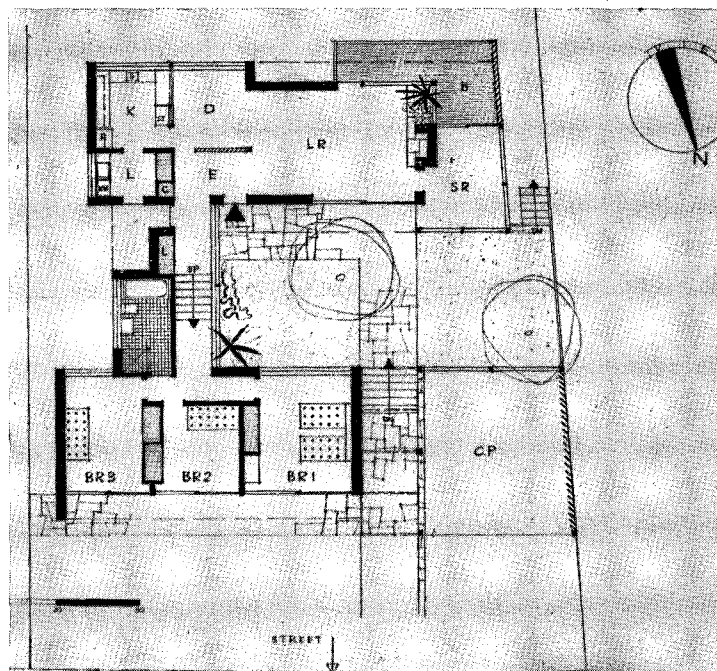
**ROOF.**—Timber framed, decked with 5/16-in. Masonite, covered with 2 layers each asbestos felt and aluminium foil. Insulated between joists.

**FLOORS.**—Polished tallow-wood, cork tile in kitchen and laundry.

**Timber Balcony:** Undressed 4-in. x 1-in. spaced hardwood slats.

**CEILINGS.**—V jointed boarding.

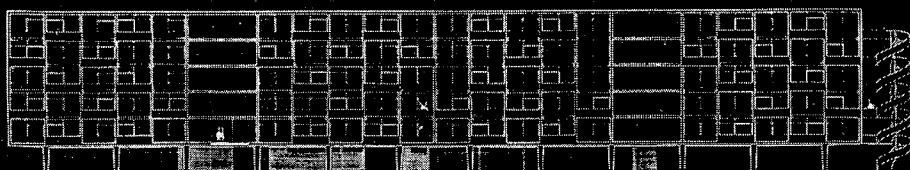
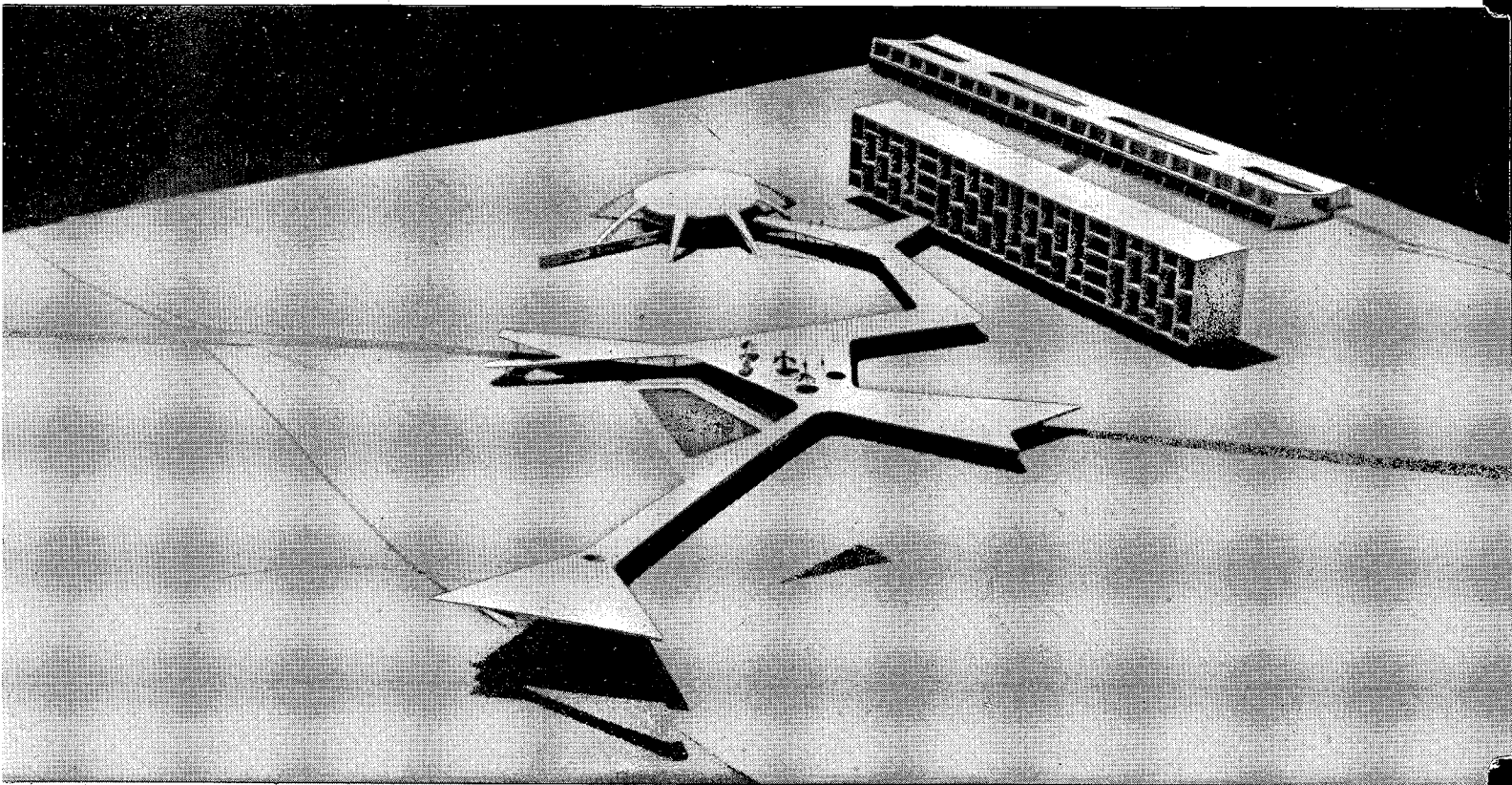
**CUPBOARDS.**—Natural timber. Finish dull, clear lacquer.





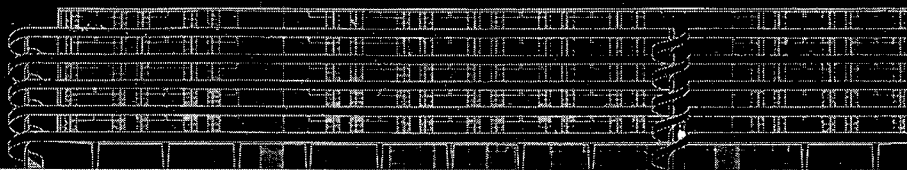
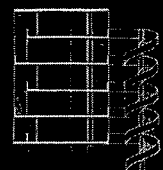
# LUXURY RESORT, BARRIER REEF ISLAND

GROUP ARCHITECTS, SYDNEY  
GEORGE CLARK, JOB CAPTAIN

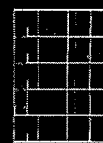


NORTH ELEVATION OF MAIN BLOCK

FIRST FLOOR ACCESS TO TOP OF COVERED WAY



SOUTH ELEVATION



TYPICAL FLOOR PLAN

HEXAGONAL TERRACOTTA PIPE UNFILL TO OBSERVATION LOUNGE

OBSERVATION LOUNGE

LAUNDRY UNDER FIRST FLOOR TERRACE AT REAR



THE MIDDAY SUN

1. NOVEMBER 90°
2. EARLY & LATE MORNING 70°
3. MARCH/APRIL 40°

