

[IN]FORMAL PRODUCTION NETWORKS

by J.G. van der Merwe (2017)



A special thank you to my Father, my Mother and Maxine for your support during my studies.
Thank you to Johan for editing this document.
Thank you to my study leader for guiding me through this year.

In Accordance with Regulations 4(e) of the General Regulations(G.57) for dissertations and theses, I declare that this dissertation, which I hereby submit for the degree Masters of Architecture (Professional) at the University of Pretoria, is my own work and has not previously been submitted by me for a degree at this or any other tertiary institution.

I further state that no part of this dissertation has already , or is currently being, submitted for any such degree diploma or other qualification.

I further declare that this thesis is substantially my own work. Where reference is made to the works of others, the extent to which that work has been used is indicated and fully acknowledged in the text and list of references.

J.G. van der Merwe
October 2017

ABSTRACT

The relationship between industry and the city is a damaged one. However, with its existing mix of residents, industry and commerce (albeit segregated from one-another) Pretoria West holds the potential for a unique relationship between industry and the citizens of Pretoria. Only by understanding the role that these industries play within the greater context of the city can the rich character and culture of a place be amplified and solidified in a development plan. Catalyzed by its heritage, development becomes a manifestation of the character of place that will attract further growth and simultaneously embrace the existing stakeholders.

The existing industrial built-environment is often mishapen and illegible and whilst it is difficult to organize (and navigate) the seemingly disorganized site, it is possible to resolve; through understanding historic boundaries and development patterns that can be utilized as organizational grids. In this case historic erf divisions and consolidations can be utilized as an organizational tool at a large scale and should serve as a guide to where future structures should be erected in order to maintain a legible built environment.

When designing future additions, understanding the historic expansion of these industrial buildings holds the key to a harmonious relationship between old and new. With minimal architectural intent these buildings supply little for the architect to grapple onto, but with material spans and structural repetition forming the underlying ordering principle; it is possible to create a logical and ordered extension of the past.

SAMEVATTING

Die verhouding tussen industrie en die stad is beskadig en as gevolg word industriële stelselmatig verwyder van die stad. Die mengsel tussen inwoners, industrie en handel in Pretoria Wes (albeit geïsoleer van mekaar) gun egter die potensiaal tot 'n unieke verbandskap tussen industrie en die inwoners van Pretoria. Slegs deur die rol te erken wat die industriële speel ten opsigte van die stad se groter konteks, kan die karakter en kultuur van so 'n omgewing versterk en vasgevang word in 'n ontwikkelings plan. Erfenis dien as katalisator vir ontwikkeling van die karakter van plek wat in beurt verdere finansiële groei sal aanhits.

Die bestaande industriële bou-omgewing is misvorm en onvoorspelbaar. Alhoewel so 'n omgewing nie aan die individue toeleen om weg te vind of organiseer nie, is dit moontlik deur die ontginning van historiese grense en ontwikkelings patrone wat kan dien as organiseerings mates. Historiese erf indelings en konsolidasies kan gebruik word om te dien as 'n gids vir toekomstige toevoegings, om sodoende die nuwe argitektuur uit die bestaande te laat vloei. Die resultaat is 'n leesbare en geordende bou-omgewing.

Die ontwerp van die nuwe verbeelding steun op die morfologie van die bestaande omgewing om 'n harmoniese verhouding tussen oud en nuut te skep. Materiale se span afstande neem die rol van die onderliggende orde stelsels aan as gevolg van die gebrek aan aansienlike argitektoniese bedoelings in die bestaande omgewing. Sodoende is 'n leesbare en logiese uitbreiding van die verlede en na die toekoms moontlik in 'n omgewing wat ontstaan het sonder ontwerp vir ervaring van mense.

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Course Coordinator: Dr. Arthur Barker

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Pretoria, South Africa
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Project Summary
Adress

RCL Sugar and Milling Division
Cnr President Burger & Carl Street
Pretoria West,
Pretoria.
South Africa.
S25 45 20.90. E28 10 04.50

Program: Industrial food production & Street Market

Client: RCL Foods Pty, Ltd.

Theoretical Premise: Cross-programming of Lost Urban Space

Study Field:
Human Settlements and Urbanism

Key Words:
Food Production, Food Refinement, Community, Cross-Programming, Industry, City, Pretoria West, West Capital, Urban Corridor, Formal, Informal.

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