IV
Construction
Blending
Centraal Beheer
This series of booklets attempt to document the process of renovating the Centraal Beheer building in Apeldoorn. Each chapter refers to one unique layer of the design. Ideas and observations are captured by texts, illustrations and pictures. They together form an overall documentation of the design product, and more importantly, the process.
Heritage & Architecture
Future of Structuralism

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Facade
Facade Strategy
1. **Roof Construction I**
- Concrete roof deck 30mm
- Wood Frame 60mm
- Water Proof Layer
- Insulation with slope
- Thermal Insulation 80mm
- Vapour retarding layer
- Original Concrete Slab
- Cavity space for ventilation and drainage pipes

2. **Outer Facade Construction**
- Perforated aluminum plate 2mm
- Metal frame system 60x80mm
- Protection layer 10mm
- Thermal Insulation 100mm
- Water proof layer 5mm
- Original concrete beam

3. **Inner Facade Construction**
- Laminated safety glass etched internally 2x9.5mm
- Anti glare blind, motor operated

4. **Floor Construction**
- Floor Finishing 10mm
- Snydrite screed with underfloor heating
- Separation Layer
- Thermal Insulation 100mm
- Original Concrete Slab

5. **Roof Construction II**
- Wood Strip Deck
- Water Proof Layer
- Wood Frame 60mm
- MDF Panel 2x7.5mm
- Metal frame system 60x80mm

6. **Ceiling Construction**
- Perforated composite wood acoustic slab
- Wood frame system 50mm
- Steel supporting system 92mm
- Cavity for ventilation & Drainage
Facade Detail 1:10
Facade Detail 1:10
Inner Facade
Inner Facade Strategy
1 **Roof Construction**
- Roof finish 2 layers 20mm
- Water Proof Layer 5mm
- Thermal Insulation 150mm
- Vapour Barrier 5mm
- Steel Roof Deck System 60mm
- Steel Truss System

2 **Wall Construction**
- Insulating Glazing 2x6mm
- Chromium-Steel capping
- Louvre blind
- Conectors 70x100mm
- Steel Truss System

3 **Roof Construction**
- Concret roof deck 30mm
- Wood Frame 60mm
- Water Proof Layer
- Insulation with slope
- Thermal Insulation 80mm
- Vapour Barrier
- Original Concrete Slab

4 **Floor Construction**
- Floor Finishing 10mm
- Snhydrite screed with underfloor heating
- Separation Layer
- Thermal Insulation 100mm
- Original Concrete Slab

5 **Platform Construction**
- Floor finishing 10mm
- Concrete slab 30mm
- Wooden Deck 30mm
- "I" shaped beam 155mm
- "I" shaped Secondary beam 400mm
- Hanging Steel tube 50x80mm
- Prefabricated gypsum plasterboard acoustic soffit lining

6 **Interior Wall Construction**
- Lightweight Steel Panel 5mm
- Aluminum hanging fragment 20mm
- Timber frame 40mm
- Cavity
- Sound Proof Layer 20mm

7 **Interior Ceiling Construction**
- Laminated safety glass 2x6mm
- Lower layer with ceramic printing darksteel supporting clips
- Lights hanging from truss frame

8 **Air supply / Air extraction**
Structure
basisstruktur
konstruktie/leidingen/
cirkulatie zone
Original Structural Principle
Structure Demolition Plan
Installation
Ventilation System