30 contype Resinhand Concrete Building Q1= How will structure be used? This impacts 4) Size, Angul, spars, height 47 lords 8 (finishes, Equipment, occuping, use) Ly location (environment, expansive andition, seismit, geotechnic) Peternace 4) Safely (Building Codes) L) Service-SA: 1) I'm- protection 4) Drability 47 Seville life More 47 Economical and constructable Ly Arsthetically pleasing -> Amilably of materials, Systems, labour L) Site construct (space, access, noix) Sistainability (embodical energy, corbon Pootpool, 2003) demand on service) Stredan Design Consideration · Appropriate gravity & Interal local structural system Analyse strucke to deturne fore effects (M,V,W) and dellecture (5/2/195) . Colaise regard reinforcemed, addelate reinforcement and cornectors ilesign fundatums

Design Process

1. Collect into

Ly Functional requirements

Ly Other considerations

Ly Reformed requirements

2. Orsign Solution Development

Ly Meet functional requirement, and soliss of constraints and performance

Ly Heartifully contracte alternative;

I feartifully contracte alternative;

I Important to focus on the system rather than individual members

Eg. Light streetural steel building and Steel - Column corrections