

February 2010 Chilean Earthquake— Preliminary Observations from the SEI/ASCE Chilean Earthquake Assessment Team

The 27 February 2010 Central South Chile
Earthquake: Implications for U.S. Building
Codes and Standards

John Hooper, Team Leader

Support for the Team Provided by:

- SEI Board of Governors
- The Executive Committee of the ASCE Board of Direction
- Roberto Leon, President of SEI of ASCE
- Jim Rossberg, Former Director of SEI of ASCE

Purpose of the SEI/ASCE Team

- Determine if changes to the codes, standards or practice in the United States is warranted
 - *ASCE 7, Minimum Design Loads for Buildings and Other Structures*
 - *ASCE 41, Seismic Rehabilitation of Existing Buildings*
- Prepare report documenting findings and recommendations

SEI/ASCE Chilean Earthquake Assessment Team

- Three General Building Teams
 - Ron Hamburger
 - Jim Harris
 - John Hooper
- Existing Building (ASCE 41) Team
 - Jon Heintz
- Industrial Structures Team
 - Greg Soules
- Low-Rise Wood and Masonry Structures
 - Dan Dolan



Santiago

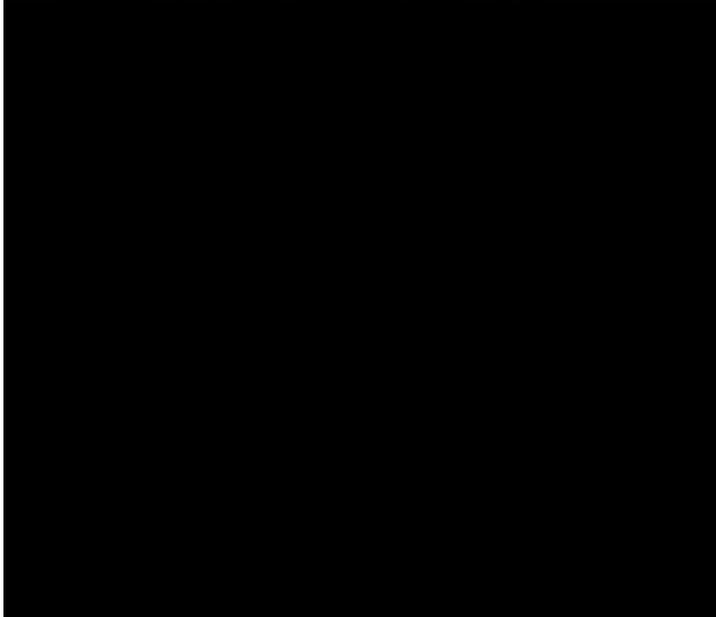


Hippodrome Apartments

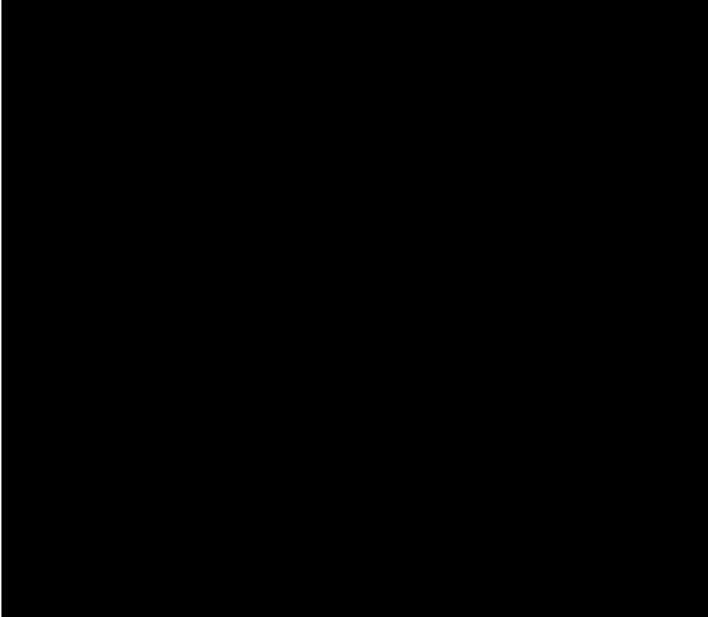




Ciudad Empresarial ("Enterprise City")







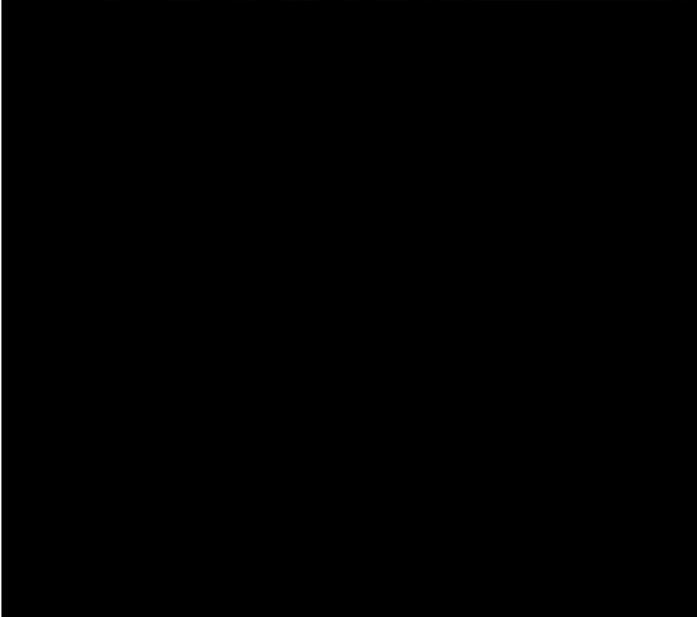
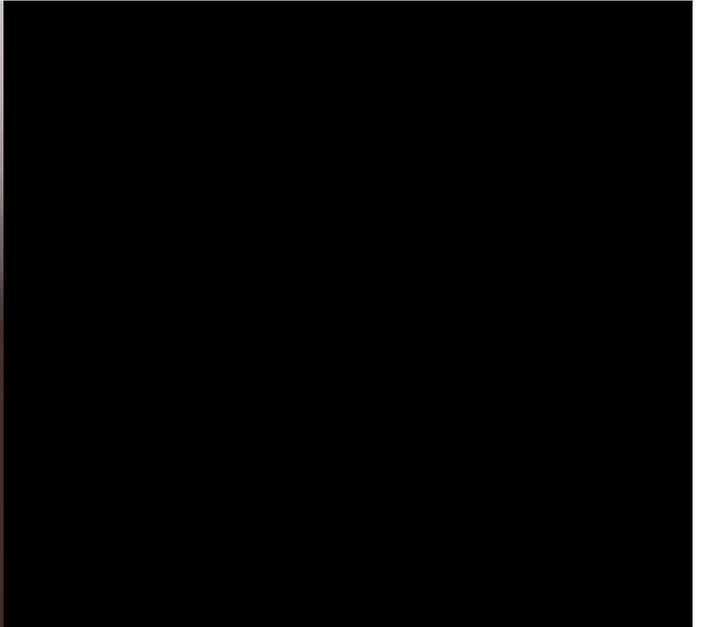
Vina Del Mar



Toledo (1996)

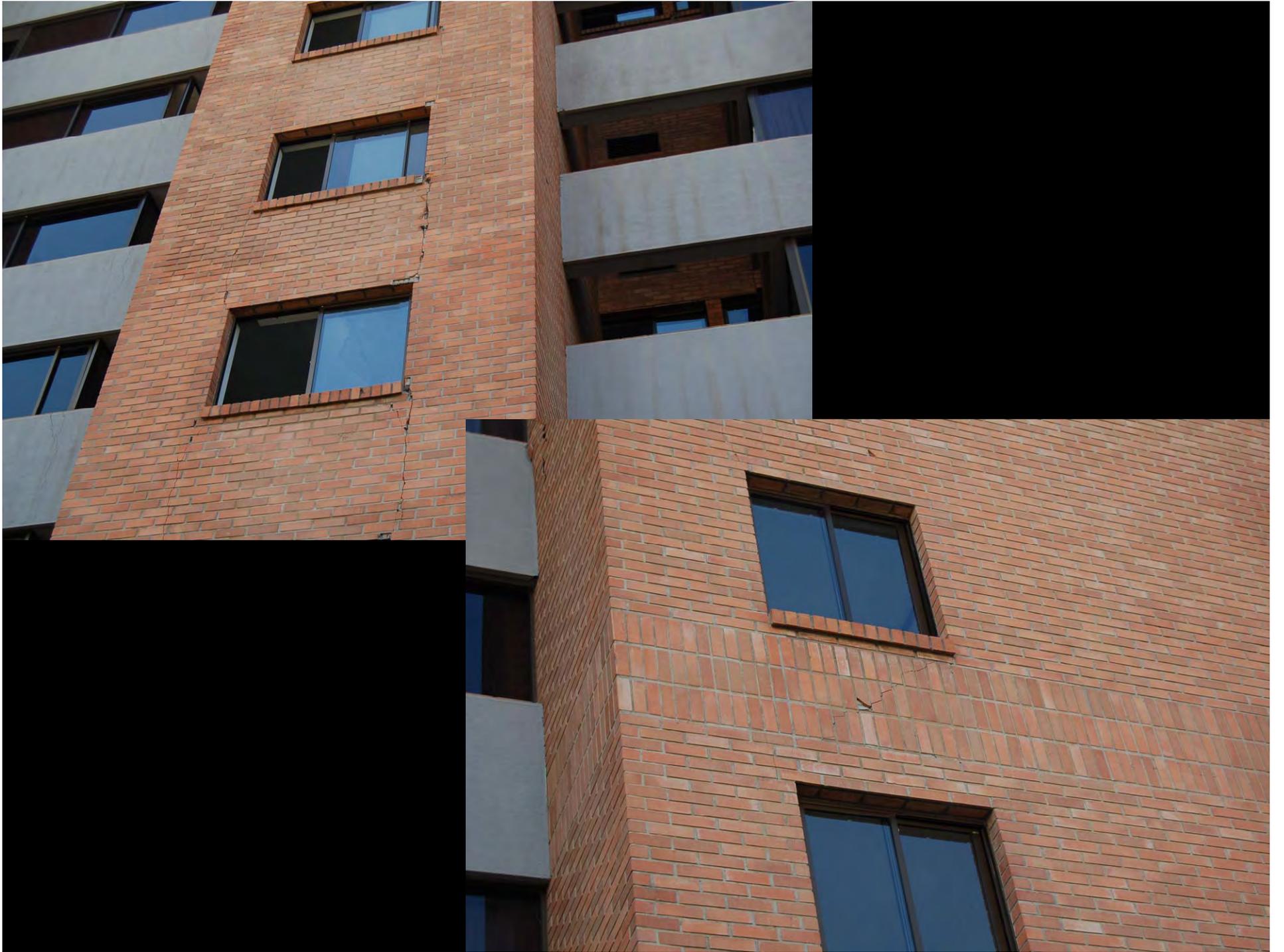






Rio Petrohue







Torre Del Mar (1988)





Festival (1979)





04.07.2010

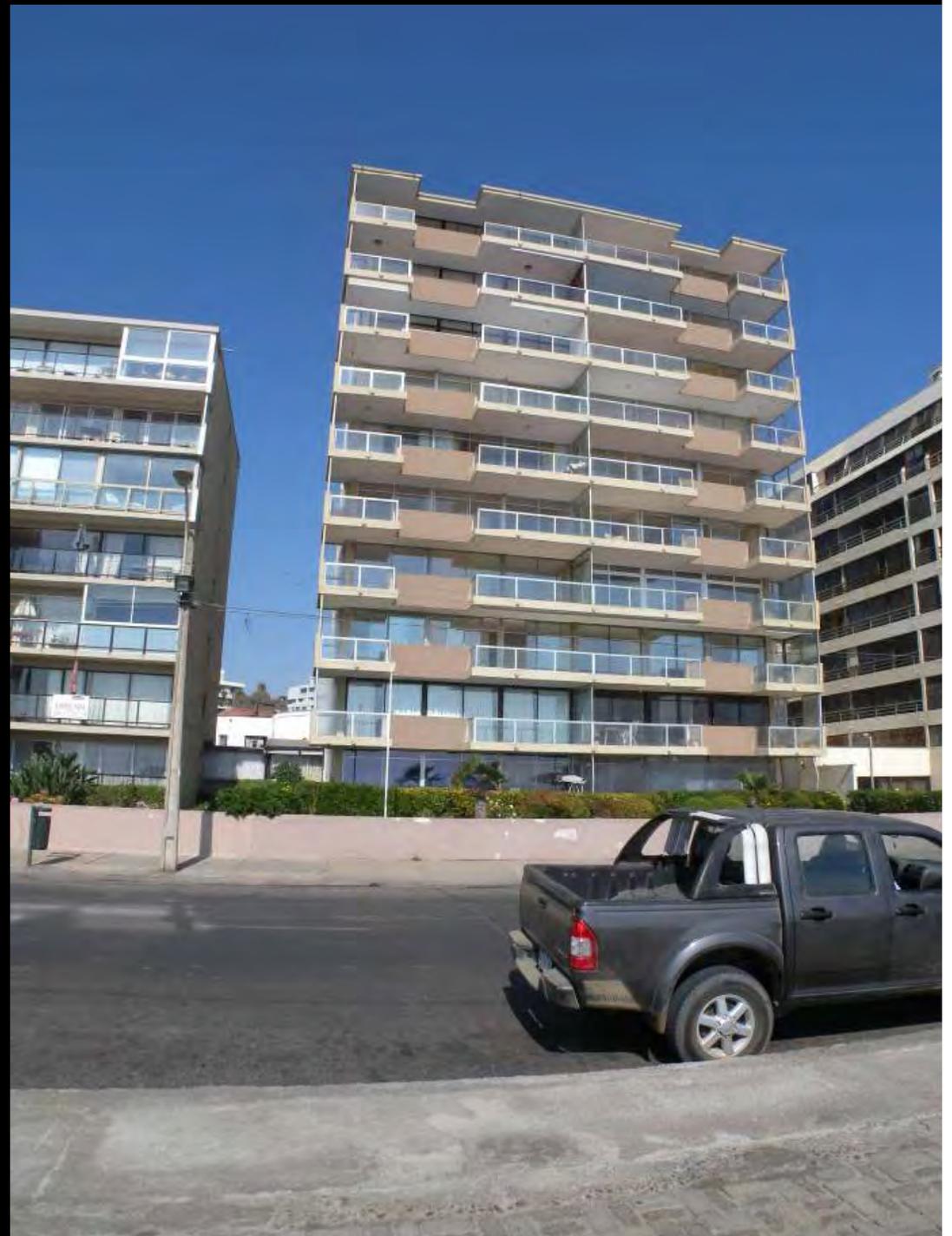




7 2:50PM



Bahia (early 60's)







Coral (1969)

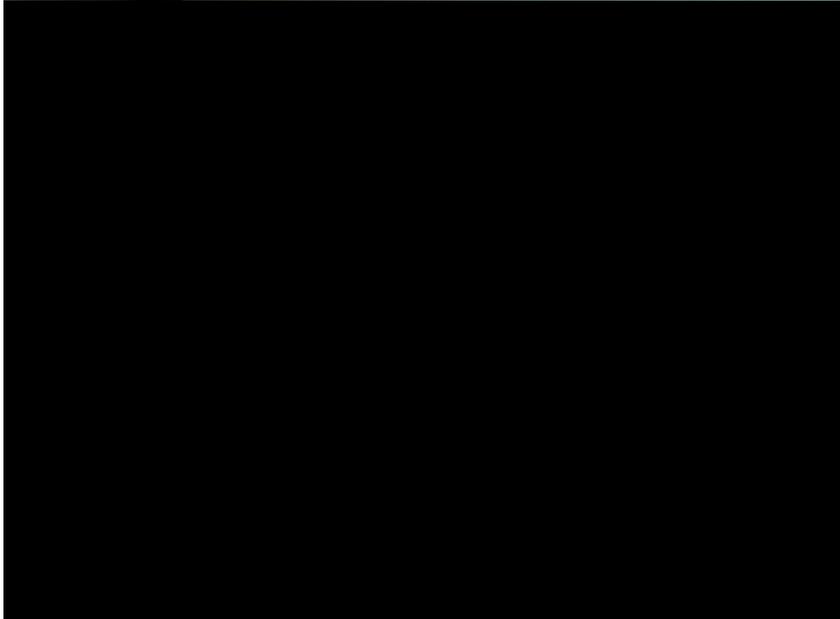




9



9 6:17 AM

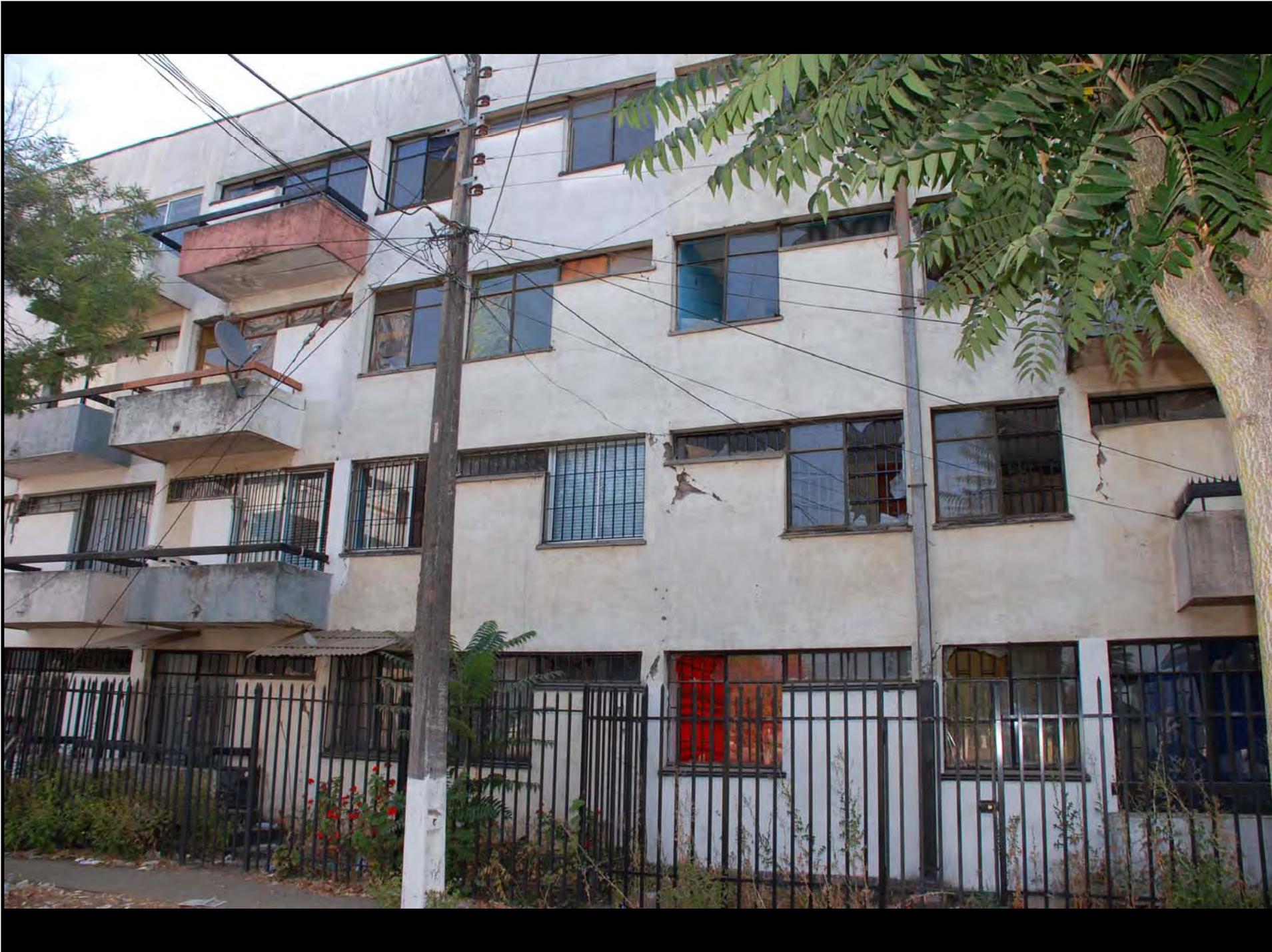


Talca



Manuel Larrain Housing Cluster

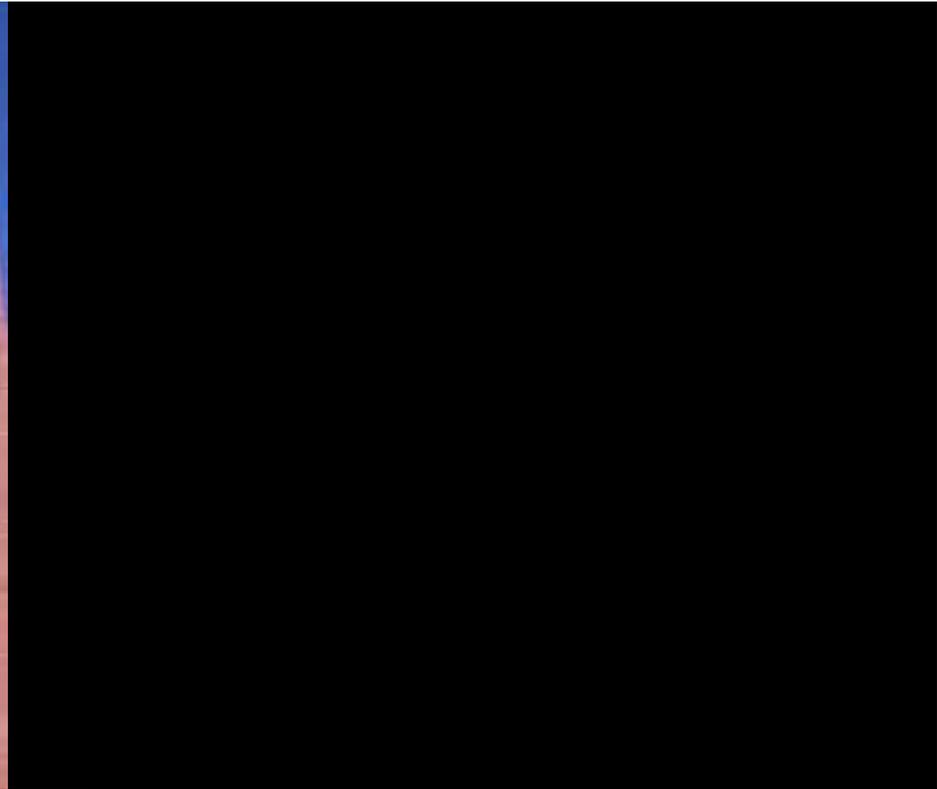








Isadora





Questions??