2.10. Report on Monitoring of Construction Practices of Confined Masonry Structure in Peru (Shizuko MATSUZAKI)

ペルーの枠組み組積造建設作業モニタリング結果の概要と課題(松崎志津子)

Report on Monitoring of Construction Practices of Confined Masonry Structure in Peru



C EVAA

NPO EVAA

(Ex-volunteers association for Architects)
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The Construction Site of The region of Lima Monitoring



I. Caral (Rural Area)

Region of Lima, Province of Barranca, District Supe

II . Villa Salvador (Urban area,

Surrounding of Capital)

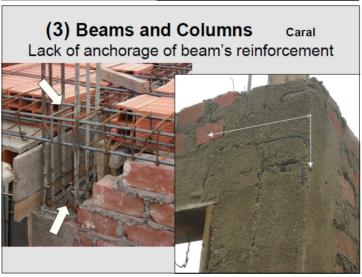
Region of Lima, Province of Lima, District Villa Salvador

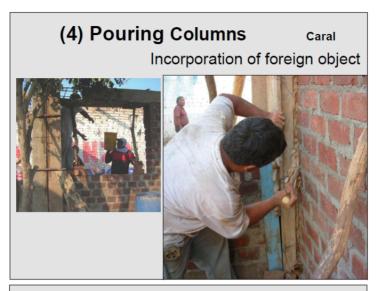
The Characteristics of Peru

- · Confined Masonry is popular in Peru
- Not much different between rural area and urban area regarding construction method
- Confined Masonry houses are constructed by professional masons and craftsmen
- Construction quality depends on experience of master (maestro)
- There are no building drawings in some construction sites















Problems and Why

- Lack of beam's steel ANCHORAGE (FIRM CONNECTION) to columns
- · Lack of **COVERING** for steel reinforcement

Because of

- ·No proper supervision
- Less important supervision for not only foreman but also architect
- ·No official certification
- ·Less opportunity to learn new method

Proposed Suggestion

Institutional Management

- Official supervision
- · Official certification
- More training