



27X78m<sup>2</sup>

18m

420m<sup>2</sup>,

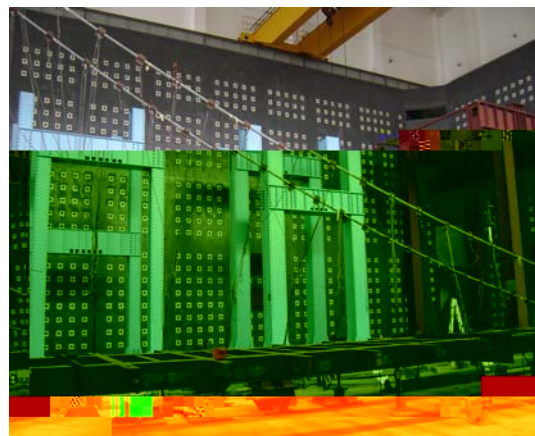
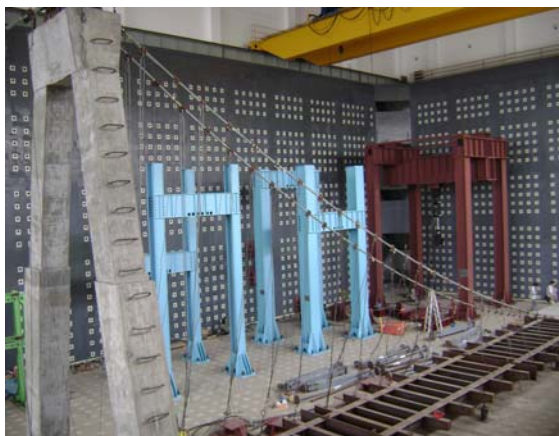
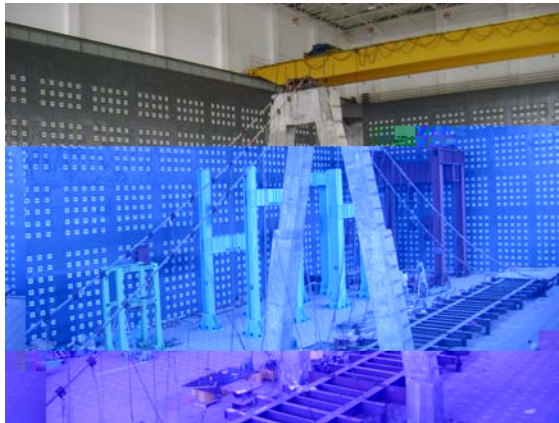
24x36m<sup>2</sup>

L

14m

36m,

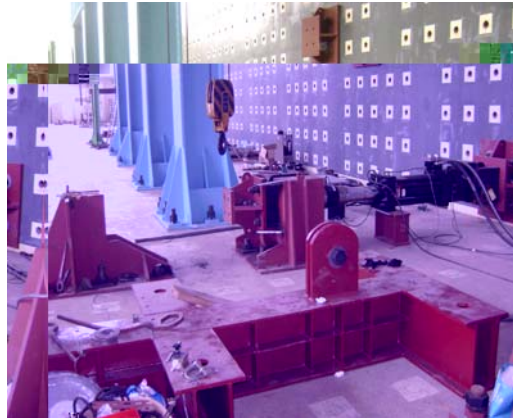
14.6m



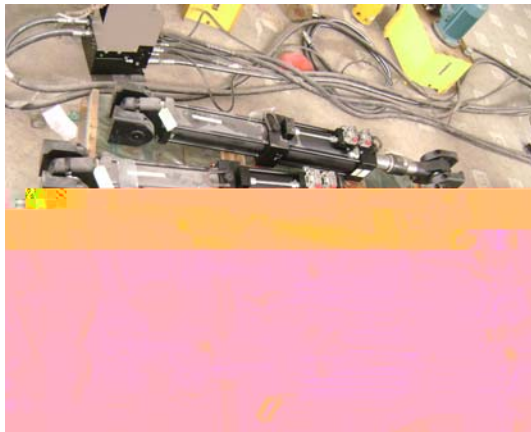




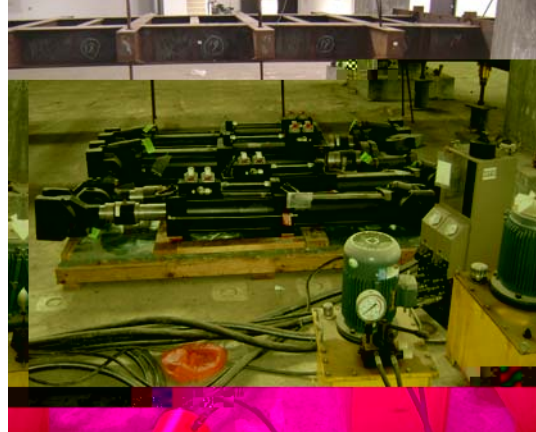
03



04



05



06

### MTS

2

—

14

36

L

14.6

5000KN

2000KN 1000KN

10000KN

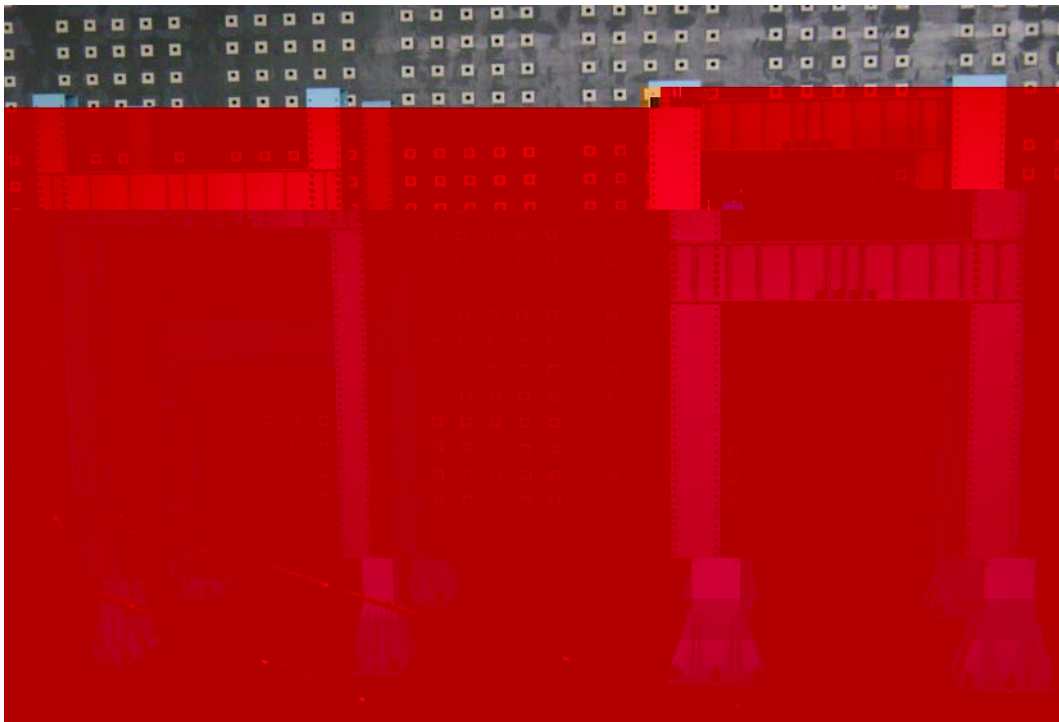
MTS

6300KN

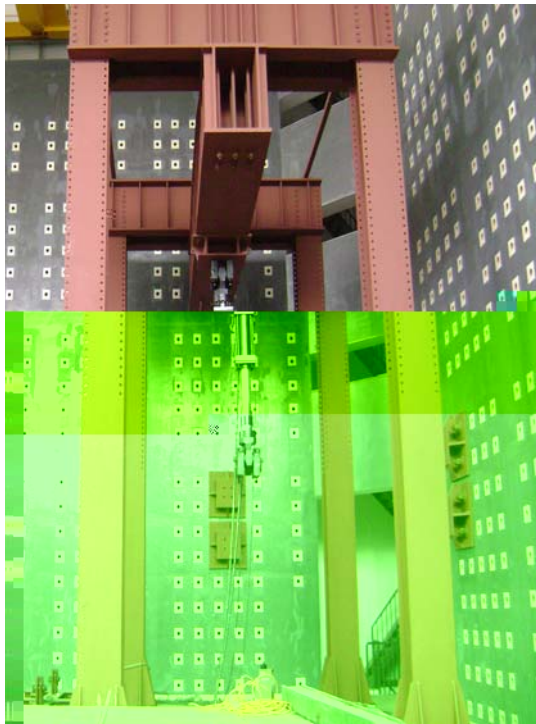
TML



01 10000kN



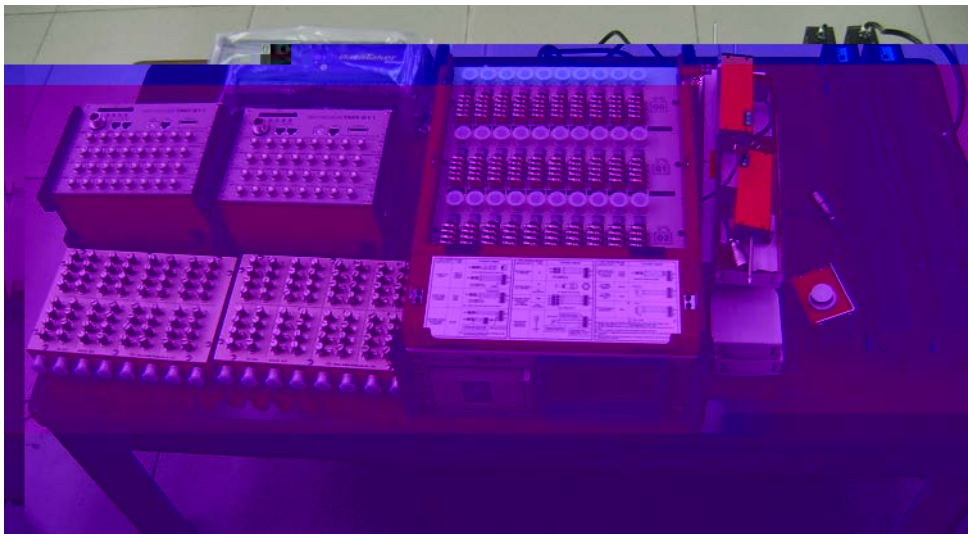
02 1000kN/2000kN



03 5000kN



04



06

3

500KN

MTS



4

2 1.5m



CFX

FEAP

Opensees

ANSYS10.0 Abaqus6.7



|                                     |                                |     |    |
|-------------------------------------|--------------------------------|-----|----|
| 1                                   | 1                              | 1   | 1  |
| 1                                   | 1                              | 1   | 2  |
| 2                                   | 2                              | 5   | 2  |
| Construction and Building Materials | Journal of Contractional Steel | FRP | 46 |
| Research                            |                                |     |    |
| SCI                                 | 4                              | EI  | 12 |
|                                     | 1                              |     | 2  |
| 1                                   |                                |     |    |

2010-04~

FRP RC

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(1) , FRP ,  
2009.1~2012.1, 10802023

(2) , , 2008.10~2011.10  
2008B010600011

(3) FRP RC  
2009 1 ~2010 12

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