



27X78m²

18m

420m²,

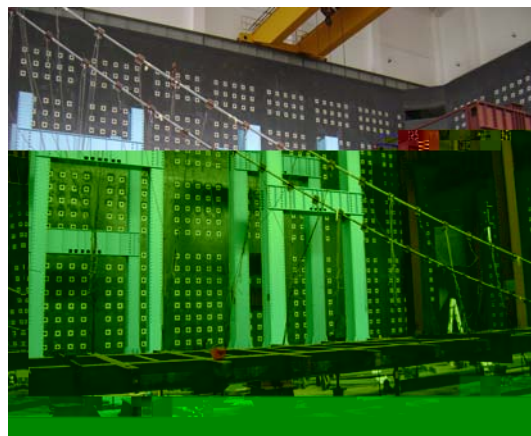
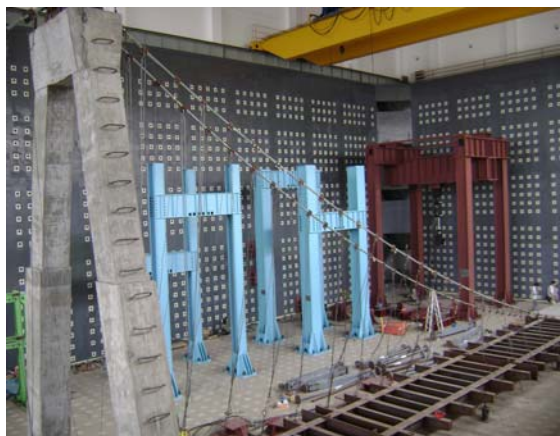
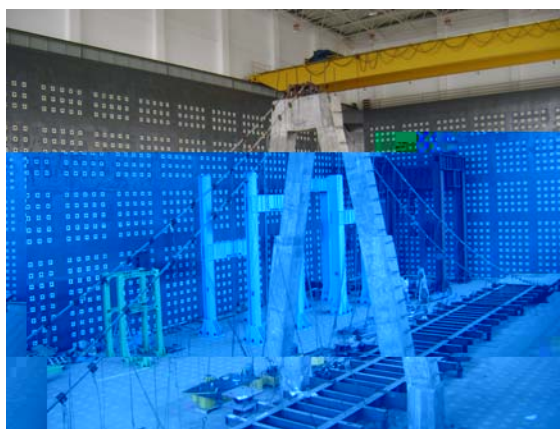
24x36m²

L

14m

36m,

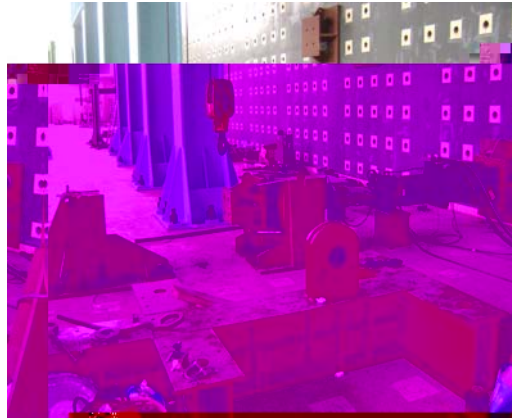
14.6m



)



03



04



05



06

MTS

2

—

14

36

L

14.6

5000KN

2000KN 1000KN

10000KN

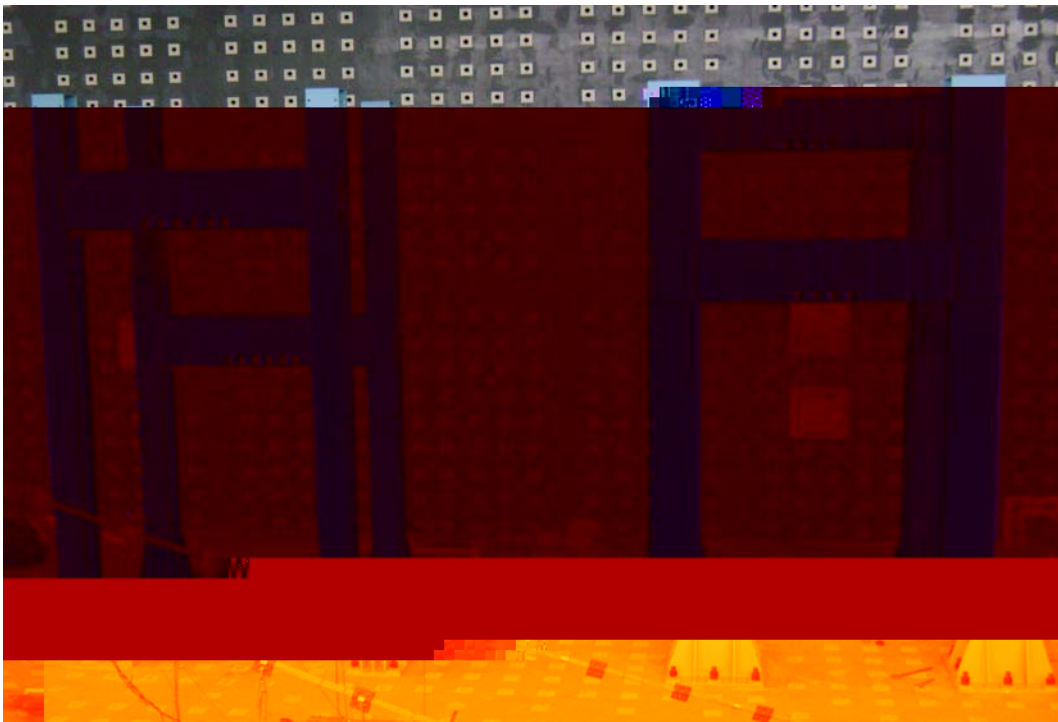
MTS

6300KN

TML



01 10000kN



02 1000kN/2000kN



03 5000kN

04



06

3

500KN

MTS

L



4

2 1.5m



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ANSYS10.0 Abaqus6.7

FEAP Opensees

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1
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(1) , FRP ,
2009.1~2012.1, 10802023

(2) , , 2008.10~2011.10
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(3) FRP RC
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TEL +8615915805955 +862039322538