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台风“黑格比”对城市建筑物破坏调查与成因

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Title: Investigation and analysis of structures damage caused by typhoon “Hagubit”

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关键词: [台风黑格比](#); [城市建筑](#); [破坏调查](#)

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摘要: 0814号台风“黑格比”(Hagubit)以15级风力(48m/s)登陆广东省茂名市电白县陈村镇,强风和暴雨给受到台风正面袭击的茂名市和湛江市造成了几十亿的经济损失,对各类建(构)筑物造成了严重破坏.通过对茂名市和湛江市市区以及村镇进行的实地调研,总结出了这次风灾中几类典型损坏严重的建(构)筑物类型,包括老旧砖房、土坯房、木制或竹制简易工棚、轻钢结构工业厂房、其它类型工业建筑、户外广告牌及指示牌、竹脚手架、围墙等.此次风灾造成建筑整体倒塌或局部严重损坏主要是由于结构自身整体性差,没有有效的抗风构造措施,围护构件与主体结构连接不牢固、承载力不足等原因.灾后重建和修复工作应从这次台风中吸取教训,提高新建结构的抗风性能,为今后预防台风灾害、降低损失打下坚实的基础.

Abstract: Typhoon Hagubit(No.0814) landed at Chencun Town,Dianbai County,Maoming,Guangdong Province as a strong typhoon of Beaufort force 15.The strong wind and heavy rainstorm caused by this typhoon results in billions RMB damage to Maoming and

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Zhanjiang, meanwhile, the structures in these two cities were badly damaged. Lots of damage investigation and research were made after typhoon passed. It is found that there are several kinds of typical wind-vulnerable structure types, including old brick residential building and adobe house, wooden or bamboo simple work shed, light steel industrial building, other kinds of industrial building, billboard and indication board, bamboo scaffold, and enclosing wall etc. The reasons for failure of the structures are the poor structural integrity, the short of effective anti-wind constructions, the unreliable connection between perimeter