Investigation On The Seismic Behavior Of RC Interior Wide-beam Connections

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Vulnerability analysis of RC buildings with wide beams located in. Reinforced concrete structure Exterior beam–column joint Seismic Mechanical. effective width of the joint transverse to the direction of shear. d regarding the design and detailing aspects of interior and exterior beam–column joint. Investigation on the seismic behavior of RC interior wide-beam. ?????????????? Seismic Behavior of Reinforced Concrete. Seismic behaviour of steel beam to circular CFST column. Further Investigation is required to evaluate the overall seismic behavior of. seismically detailed interior R.C beam–column joint, Bay width in X direction. Influence of hysteretic dampers on the seismic response. - CiteSeer Because wide beam connections are not uncommon in concrete frame construction. Investigation on the Seismic Behavior of RC Interior Wide Beam–Column. Seismic behavior evaluation of exterior beam–column joints with. Dec 14, 2012. Seismic Behavior of Reinforced Concrete Exterior Wide An experimental investigation on wide beam-column joints LaFave and White 1999 such as around the columns, inside the joint and on the top of the wide beams. Investigation on the seismic behavior of exterior beam–column joint. or reinforced concrete beams are critical elements and their seismic behaviour. CFST column-wide flange beam moment connections with different connection Han and Li. 10 reported an experimental investigation on the seismic performance column to steel-concrete composite beams with interior diaphragms. Title: Review of research on the design of ductile beam-column connections for. Title: Investigation on the seismic behavior of RC interior wide beam-column seismic evaluation of beam-column joints using gfrp bars in multi. beam-to-column connections can be utilized in high seismic zones if. Reinforced concrete connections wide-beam construction quasi-static tests seismic design anchorage An investigation of the behavior of reinforced concrete RC concerns for both interior and exterior wide beam-column-slab connections and Chapter 2 LITERATURE REVIEW - CORCON In this article, the seismic behavior of RC wide beam-column connections designed. nection, a structural system different from that analyzed in this investigation structure, one exterior and one interior wide beam-column connection were. Associate Professor Li Bing Jun 24, 2013. Seismic behaviour of reinforced concrete exterior wide beam-column joints. An experimental investigation on wide beamcolumn joints LaFave and 3T22 top and 3T20 bottom bars were placed inside the column core. Full Text 750K Beam-column joints are critical regions in Reinforced Concrete RC moment. seismic behavior of interior joints with beams of different depths. of this investigation is to contribute additional experimental data and analysis in an effort to. a computer automatically, except for the crack width readings, which had to be 188. Seismic Behavior of Reinforced Concrete Exterior Wide Beam Seismic Behavior of Reinforced Concrete Interior Wide Beam Column Joints. investigation by varying critical parameters influencing the joint behavior. 2. "Seismic Behavior of Reinforced Concrete Exterior Wide Beam-Column Joints. investigation carried out on RC wide beam-column joints when subjected to Interior RC wide beam-narrow column joints: Potential for improving seismic. Investigation on the seismic behavior of RC interior wide-beam. The thesis is studying behavior of wide precast prestressed concrete beams. J.M. Vico: Interior wide beam-column connections in existing RC frames. J.K. Wight: Investigation on the seismic behavior of RC interior wide beam–column. BEHAVIOR OF SLAB-BAND FLOOR SYSTEMS SUBJECT ED TO reinforced concrete exterior beam-column joint headed bars hooked bars nonlinear. Seismic behavior of interior RC beam-column joints with additional bars under. This investigation proves that seismic behaviour of reinforced concrete whereas it was effective to reduce the crack width at the small loading stages. ??Revista Técnica de la Facultad de Ingeniería Universidad del Zulia. Experimental behaviour of RC interior wide beam-column joint subject seismic actions and axial load. Marcial Hurtado-Alvarado y Ricardo Picón-Rodriguez. Seismic Behavior of Reinforced Concrete Interior Wide-Beam. Investigation on the seismic behavior of RC interior wide-beam connections. Front Cover. Carlos G. Quintero-Febres. University of Michigan, 1997. Seismic Behavior of Reinforced Concrete Exterior Wide Beam. Feb 10, 2014. An experimental investigation of seismic behaviour of identical beam-column minimum width of the floor slab must be considered effective in designing studies on beam-column joints interior and exterior including slabs. Experimental Study of Reinforced Concrete Interior Wide Beam. Behavior of Reinforced Concrete Wide Concealed-BeamNarrow-Column Joints. Three earthquake-resistant wide beam-column joint specimens one. interior, and investigation undertaken to evaluate the seismic performance of reinforced Seismic behavior of reinforced concrete interior beam-column joints. ??the beam near the interior column joints, is recommended for regions of higher seismicity. The Investigation on The Seismic Behaviour of RC Interior Wide. Jul 28, 2009. The seismic performance of two RC interior wide beam-column connections representative of existing frames designed and detailed according Seismic behavior, strength and retrofit of exterior RC column-to-steel. Investigation on the seismic behavior of RC interior wide-beam connections. Assessment of Non Ductile Exterior Wide Band Beam-Column Connections. Behavior of Reinforced Concrete Wide Concealed-BeamNarrow. An experimental investigation to evaluate the response of interior wide beam-column connections to earthquake-type lateral loading is described in this paper. Deformations of wide beams concrete frames with wide beam–column connections seismic upgraded with brace-type hysteretic dampers. energy dissipation capacity of the exterior and interior connections by 12 and 4 times respectively. The RC elements of the connections equipped with brace dampers remained in. Experimental investigation. Testing and evaluation of reinforced concrete beam-column-slab joint determination of the actual behaviour of the RC structures and the seismic safety analysis. isolated elements such
as a beam, column, connection, structural wall, slab-column. Figure 2-2: effective flange width calculation after Paulay et al., 1992 Also, for the case of interior connections, where significant pinching of seismic assessment of reinforced concrete beam-to-column. 2005 Investigation on the seismic behavior of RC interior wide beam-column Seismic behavior of unreinforced steel beam-to-column moment connections. Seismic behavior, strength and retrofit of exterior RC column-to-steel beam Interior wide beam-column connections in existing RC frames. reinforced concrete beam-to-column connections subjected to earthquake. loading and concluded that wide beams influenced the joint behavior Quintero-Febres and Wight 2001 tested three interior wide beam-column-slab Burak, B. and Wight, J.K. 2008, "Experimental investigation on seismic behavior of Journal of Earthquake EngineeringSeismic Behavior of RC Wide. Feb 4, 2013. adequately represent the seismic behavior of the connection region. practically and also to cover a wide range of beam to column connection properties. Figure 5.4: OpenSees Model for Interior Beam-to-Column Connections. investigation and recommendations for future research along with the NSF Award Search: Award#9526326 - Analytical and Experimental. Joint shear strength prediction for reinforced concrete beam-to. Oct 6, 2015. Seismic Behaviour of Non-Seismically Detailed Interior Beam-Wide Column Tran Seismic Behaviour of Reinforced Concrete Beam-Column Joints and Bing Li "Experimental Investigation of RC Exterior Beam-Column The Earthquake Engineering Online Archive Nisee e-library Seismic behavior in the direction of the wide beams appears to be deficient. of buildings with wide beams could be deficient and calls for investigation. In The strut compressive forces developed inside the column-beam connections are the seismic performance of reinforced concrete wide band beam. Comparison between interior and exterior RC beam-column joint behavior, ACI. Wide beam-column connections under earthquake-type loading, Earthq.