



Contents	
Evaluation Method Non-linear Static Procedures	(NSPs)
Capacity Spectrum Method (C	SM)
Determining Capacity ((Pushover analysis)
Determining Demand (elastic response spectram)
Modification proposed by Cho	opra & Goel
Determining Demand (inelastic systems considering
constant ductility curve	es)
Evaluation of existing buildin	g
Capacity: Nonlinear Static	Analysis (Pushover)
Demand: Elastic Spectrum	(reduced by damping)
Inelastic Spectru	um (Constant-Ductility curves)
Conclusions	3























Jelormatio	on limits					
	Performance le	Performance level				
Interstory drift limit	Immediate occupancy	Damage control	Life safety	Structural stability		
Maximum total drift	0.01	0.01 – 0.02	0.02	0.33 Vi/Pi		
Maximum inelastic drift	0.005	0.005 – 0.015	No limit	No limit		
nelastic drift		oral choor for	co in ctor	, ;		























		ATC-40		Chopra & Goel	
Demand		Sd	Sa	Sd	Sa
		cm	g	cm	g
Response Spectrum	Lima 1974	5.06	0.16	4.9	0.15
	Lima 1966	3.47	0.13	3.3	0.12
he obtai ynamic ne accur	ned values analysis sho acy of the c	seem to ould be c alculatic	be not s arried o	so differ ut to de	rent, but etermine





