Agenda • Disasters • Applicable Regulations • Precast Advantages • Design Flexibility • Aesthetics



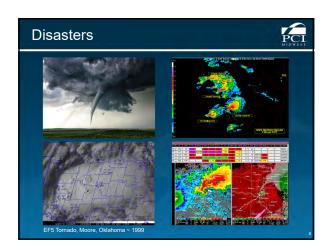


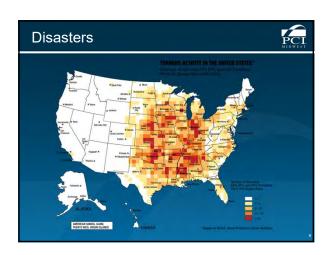








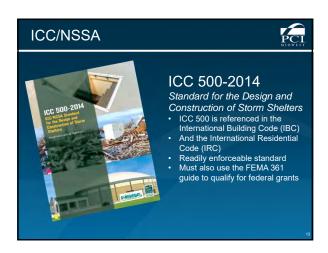




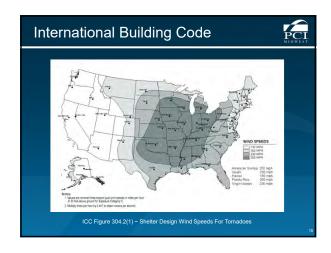
Tornado Awareness	PCI MIDWEST
Although hurricanes and earthqua higher losses per event, since 196 weather events) have caused an insured catastrophic losses.	53, tornadoes (and, related average of 57 % of all U.S.
	Recent Year (2017): 1,418 recorded tornados 55 deaths 5 billion property loss
	Average Year: • 62 deaths
	Deadliest Year (1953): • 519 deaths
	Longest tornado track (1925): • 293 miles



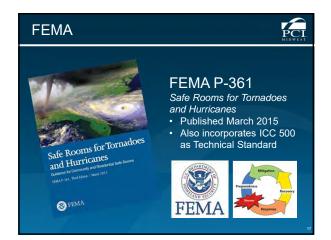








International Building Code Additional IBC Shelter Requirements Peer review Special inspections Protected openings MEP penetrations Ventilation Support systems Emergency lighting Resist hydrostatic loads Support progressive collapse Accessible



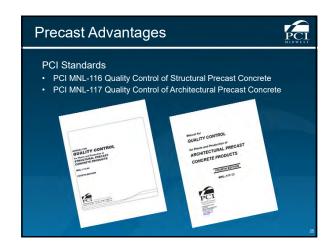


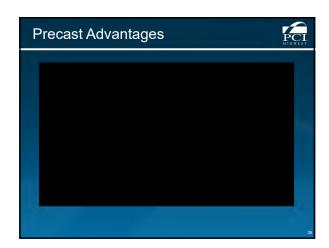
FEMA	
P-361 A1.3.2 Terminology	
Safe Room • A single room within a residence used as a shelter during a natural disaster	
Maximum 16 person capacity for residential Community Safe Room	
 A large room – either <u>internal</u> within a building (such as a school) or a <u>separate</u> building – which provides shelter to a group of people 	
Sometimes the terms "safe room", "tornado shelter", and "storm shelter" are used interchangeably	
19	
FEMA Financing Options	
Hazard Mitigation Grant Program (HMGP) Funds • Private or public projects • New shelters	
Existing structures Residential or community FEMA funds up to 75 percent of the eligible cost	
Pre-Disaster Mitigation Program (PDM) Funds	
Provides funding to eligible communities Priority is placed on projects that address National Flood Insurance	
Program (NFIP) • FEMA funds up to 75 percent of the cost, up to \$3 million	
Visit: www.fema.gov/safe-room-funding ∞	
Other Financing Options PCI	
Small Business Administration (SBA) Disaster Loans	
Housing and Urban Development (HUD) Block Grants Federal Housing Authority (FHA) Initiatives	
 Local city and state organizations may also offer funding 	

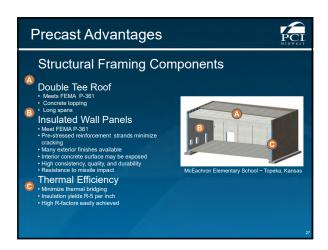










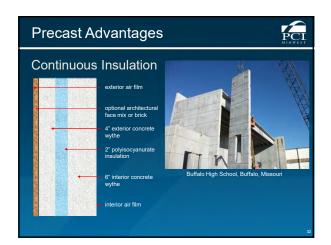


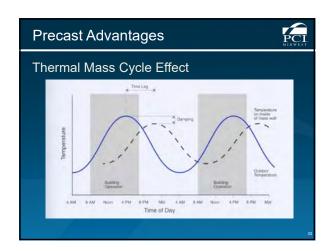


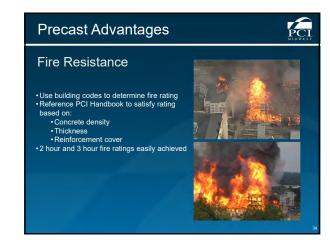
















Personnel Certification Program Levels: Level I: 6 months of industry experience + training + exam Level II: 1 additional year of experience + training + exam Level III: 2 additional years of experience + training + exam Training programs cover: Maintaining and improving quality levels Strand tensioning and elongation Accelerated curing techniques Material-control tests Welding basics







