ELEVATION SUCCESS STORIES
ASFPM GRAND RAPIDS, MI – JUNE 21, 2016

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FLOOD MITIGATION/ELEVATION

• FOR OVER 40 YEARS THE OLDER HISTORIC PRE-FIRM BUILDINGS HAVE HAD SUBSIDIZED FLOOD POLICY RATES

• FLOODING IS THE MOST EXPENSIVE DISASTER TYPE IN THE US

• THE NATIONAL FLOOD INSURANCE PROGRAM (NFIP) IS $23 BILLION IN DEBT TO THE US TREASURY AND PROJECTED TO RISE SUBSTANTIALLY

• 2015/2016 THE SUBSIDIZED RATES START TO RE-ADJUST TO ACTUARIAL RATES ON 1.25 MILLION NFIP AND ANOTHER ?+1 MILLION PRE-FIRM’S

• FLOOD MITIGATION/ELEVATION PROJECTS REDUCE THE RISK OF FLOODING AND KEEP FLOOD POLICY RATES REASONABLE

• EVERY DOLLAR SPENT ON FLOOD MITIGATION PROJECTS SAVES $4 DOLLARS IN DISASTER RECOVERY COSTS
FLOOD MITIGATION/ELEVATION

ELEVATION IS ONE OF THE MOST SUCCESSFUL FLOOD MITIGATION MEASURES

NEPTUNE, NJ CMU BLOCK AND WOOD FRAME IN AE-ZONE

LAFITTE, LA SLAB ON GRADE AND WOOD FRAME IN VE-ZONE
FLOOD MITIGATION/ELEVATION

International Association of Structural Movers

IS THE ORGANIZATION OF SPECIALTY CONTRACTORS THAT ELEVATE AND OR RELOCATE BUILDINGS IN THE FLOODPLAIN
FLOOD MITIGATION/ELEVATION

NATIONAL CZECH AND SLOVAK MUSEUM RELOCATION PROJECT 2009, CEDAR RAPIDS, IA

+17,000 SQ FT, + 1,700 TONS, SLAB SEPARATION, +$ 1MILLION, WEB CAM FUND RAISING +$ 20MILLION
FLOOD MITIGATION/ELEVATION

BAY HEAD YACHT CLUB, BAY HEAD, NJ – 400 TON, ROLL OFF/ON, 10,000 SQ FT
COASTAL AND RIVER ELEVATIONS IN LAST 20 YEARS MUST EQUAL IN TENS OF THOUSANDS. ?NO NATIONAL DATA REGISTRY?

NO MANDATORY TRACKING ON FLOOD PLAIN PERMITS AND AT STATE LEVEL
FLOOD MITIGATION/ELEVATION

MODERN ELEVATION EQUIPMENT

UNIFIED JACKING MACHINE

15 TON JACKING RAM

STRUCTURAL STEEL
FLOOD MITIGATION/ELEVATION

INSURANCE REQUIREMENTS

- GENERAL LIABILITY
- AUTO
- UMBRELLA
- WORKMAN’S COMPENSATION
- ** RIGGERS/CARGO – CARE AND CUSTODY **
FLOOD MITIGATION/ELEVATION

?OVER 2 MILLION PRE-FIRM BUILDINGS IN THE FLOOD PLAIN

UNIQUE LABOR FORCE WITH WORK INVOLVING ALL TRADES

+$30 BILLION OF SPECIALIZED CONSTRUCTION
FLOOD MITIGATION/ELEVATION

PRE-FIRM BUILDINGS POLICY RATES ARE INCREASING
THIS WILL STIMULATE MITIGATION PROJECTS
IASM OUTREACH EDUCATION

ELEVATION 101
OUTREACH – 2015/16
14 CONFERENCES
MEETINGS

PRESENTATIONS IN 10
STATES

OVER 13,000 YOU TUBE VIEWS
COOPERATIVE EDUCATION

IASM AND ASFPM EDUCATING NATIONAL ASSOCIATION OF REALTORS IN DC
CEU EDUCATION

ARCHITECTS/ENGINEERS/CODE OFFICIALS
FLOOD MITIGATION/ELEVATION

SANTA FE DEPOT HISTORIC DISTRICT – FT MADISON, IA
FLOODED MULTIPLE TIMES AND LIFTED 4FT 2010
ELEVATION

HISTORIC NJ HOME ELEVATIONS POST SANDY
ELEVATION

UNIFIED JACKING MACHINE AND SLAB ELEVATION – GALLIANO, LA

SLAB ELEVATION GRETNAP, LA
ELEVATION

LOW ELEVATION WITH OPEN FOUNDATION
ELEVATION

HIGH ELEVATION OPEN FOUNDATION
ELEVATION

BEFORE

AFTER
ELEVATION

MULTI-FAMILY

AE-ZONE SLAB ON GRADE 4-PLEX CONDO’S +9FT
FLOOD MITIGATION/ELEVATION

• FLOOD MITIGATION/ELEVATION COSTS VARY BY TYPE OF BUILDING CONSTRUCTION - SLAB, SLAB SEPARATION, MASONRY, WOOD FRAME
• A LICENSED DESIGN PROFESSIONAL, ARCHITECT/STRUCTURAL ENGINEER NEEDS TO BE ENGAGED TO PROVIDE DESIGN ASSISTANCE AND PLANS FOR PERMITTING. HISTORIC REVIEW
• THEN ESTIMATES CAN BE ACQUIRED.
• PROJECT FINANCING CAN BE CASH, GRANTS, EQUITY, HUD 203K, ICC
• PROJECT INCENTIVES: HISTORIC = INCOME TAX CREDITS FEDERAL/STATE
• PROJECT INCENTIVE: PROPERTY TAX EXEMPTION FOR AD VALORUM 5-10YRS
• POSSIBLE FUTURE FUNDING – MULTI BANK LOW INTEREST LOAN POOLS, REVENUE BONDING
FLOOD MITIGATION/ELEVATION

NATIONAL FLOOD INSURANCE PROGRAM (NFIP)

When started in the late 1960’s all buildings built before the first flood map was issued had subsidized rates.
FLOOD HAZARD MITIGATION

+2 MILLION PRE-FLOOD MAP BUILDINGS WITH AN UNKNOWN NUMBER OF HISTORIC DESIGNATED ONES $TRILLIONS OF DOLLARS NEED FLOOD MITIGATION AS THE HISTORIC ERA OF CLIMATE CHANGE CONTINUES AND THE SEA LEVEL RISES
THE FLOOD HAZARD MITIGATION - ELEVATION INDUSTRY IS HERE TO ASSIST YOU IN MAKING YOUR COMMUNITY MORE RESILIENT FROM THE COSTLY DAMAGES OF FLOODING, HELP TO KEEP FLOOD INSURANCE POLICY RATES REASONABLE AND PRESERVE PROPERTY VALUES/TAX REVENUES