

Preparing for the “Big One”

CASCADIA SUBDUCTION ZONE

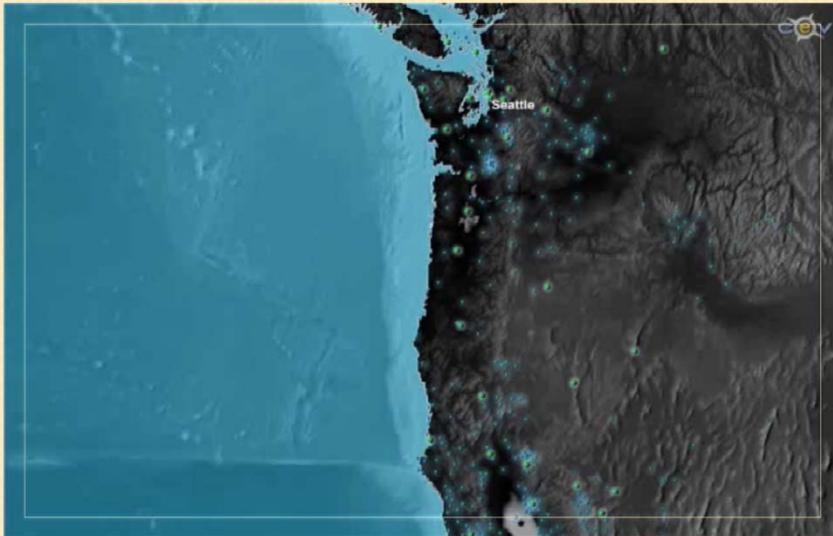
Oregon Emergency Management Geologic Hazards Program



WHY PREPARE?

- ✘ You can't stop an earthquake, but you can prepare for one.
- ✘ Choices you make today determine outcome.
- ✘ Personal preparedness works!

WHAT TO DO WHEN THE GROUND SHAKES?



- ✘ Drop, cover, and hold on.
- ✘ Get to high ground as soon as the shaking stops.
- ✘ Triangle of Life (or rather, Death)
- ✘ What would you do right now?

DANGERS ASSOCIATED WITH EARTHQUAKES

- Partial building collapse, such as collapsing walls, falling ceiling plaster, dislodged light fixtures and pictures.
- Flying glass from shattered windows.
- Overturned furniture such as cabinets, floor lamps or book cases.
- Fires, broken gas lines and similar causes.
- Fallen power lines.
- Inappropriate actions resulting from panic.

BUT WHAT CAN I DO? – PRACTICE!

- ✘ Have a plan! Know what to do!
 - + Who ya gonna call?
 - + Where will my family be and how will I reach them?
 - + Where will I get medical help?
 - + Am I prepared to live without the essentials?
 - + How will I pay for things?
 - + How will I repair the damage to my home?
 - + Do I live, work or visit in a tsunami hazard zone?

PREPARE IN SEVEN STEPS

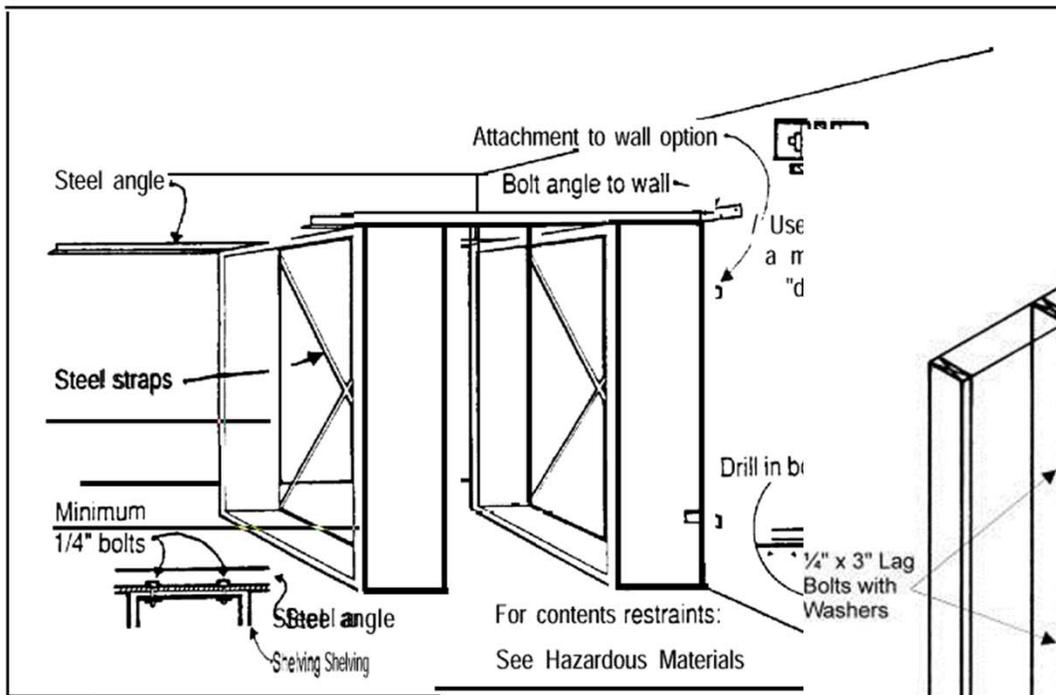
- * 1- Identify Hazards
- * 2- Create a disaster plan
- * 3- Prepare disaster kits
- * 4- Identify and fix weaknesses
- * 5- Protect yourself during earthquake
- * 6- Evacuate if necessary
- * 7- Follow your earthquake plan



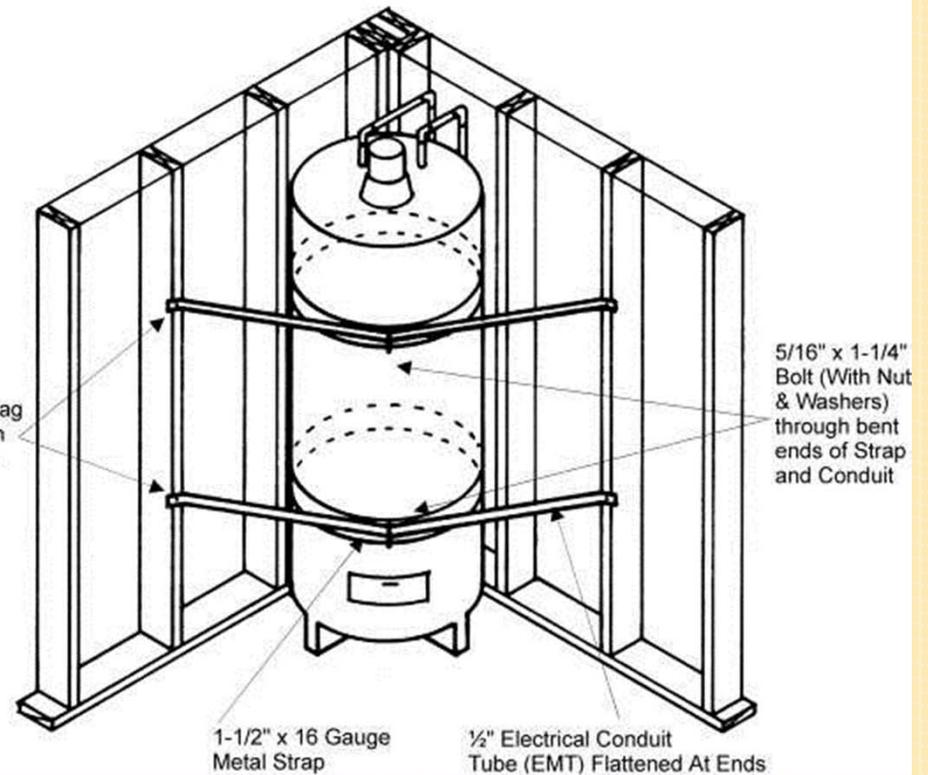
PREPARE IN SEVEN STEPS

- * 1- Identify Hazards
 - * Start now by identifying items that may fall, topple, or slide.
 - * Secure potentially hazardous and valuable items.

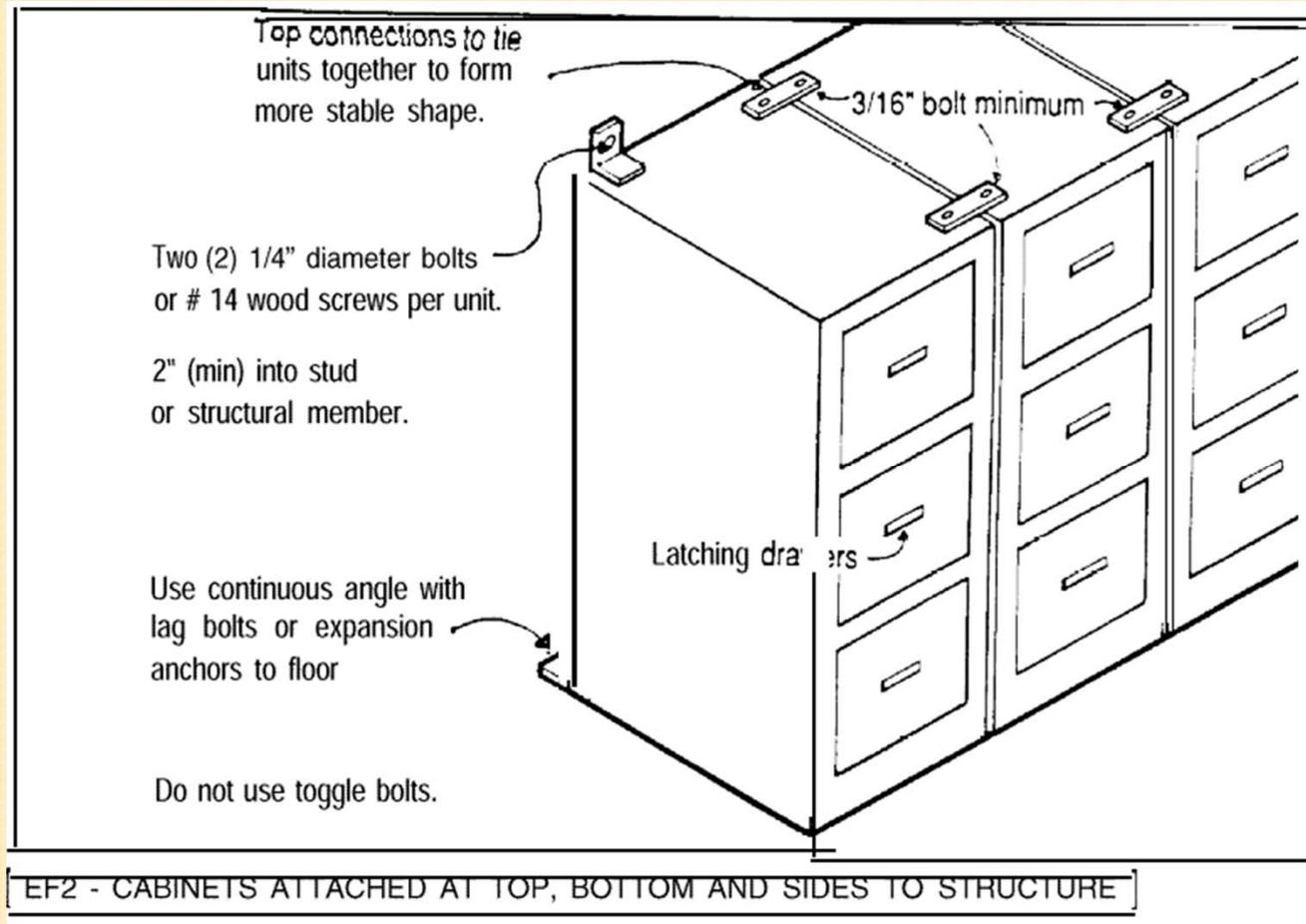
SECURE FURNISHINGS



EF6 - BRACING OF LIBRARY SHELVING (STACKS)



SECURE FURNISHINGS



OFFICE HAZARDS



- * Look at office spaces to see if large objects or even heavy binders could fall and injure you.
- * Move heavy objects to a lower shelf.

PREPARE IN SEVEN STEPS

- * 2- Create a disaster plan
 - * Practice Drop, Cover and Hold on.
 - * Plan on how to respond after an earthquake or tsunami
 - * Plan how to communicate and recover
 - * Practice, practice, practice!

BUT WHAT CAN I DO?

- ✘ Have a plan! Know what to do!
 - + Who ya gonna call?
 - + Where will my family be and how will I reach them?
 - ✘ Children at school or activities
 - ✘ Plan for pets and livestock
 - ✘ Have an out-of-town emergency contact
 - + How are you going to contact your family if phone service is not available?

BUT WHAT CAN I DO?

- ✘ Have a plan! Know what to do!
 - + Where will I get medical help?
 - ✘ Take first aid and CPR classes
 - ✘ Plan for back-up if family needs life-saving medical equipment
 - + Have you taken first aid classes?
 - ✘ What is in your home first aid kit?

BUT WHAT CAN I DO?

- ✘ Have a plan! Know what to do!
 - + Am I prepared to live without the essentials?
 - ✘ Food
 - ✘ Water
 - ✘ Medicine
 - ✘ Toilet paper/ Tooth brush
 - ✘ Fill up the gas tank in your car frequently
 - + How much toilet paper do you have in your house right now?

BUT WHAT CAN I DO?

- ✘ Have a plan! Know what to do!
 - + How will I pay for things?
 - ✘ Have cash on hand
 - ✘ ATMs will likely not work
 - + How much do you have on hand?

PREPARE IN SEVEN STEPS

- * 3- Prepare disaster kits
 - * Personal/Office
 - * Household
 - * Car



BUT WHAT CAN I DO?

- ✘ Go-Kit – minimum of 72 hours

- + Car
- + Office
- + Home

- ✘ Have 3 weeks worth of:

- ✘ Food
- ✘ Water
- ✘ Medicine
- ✘ Anything else you deem a necessity

- ✘ What do you consider a necessity? (got a pet?)

- ✘ <http://www.ready.gov/america/getakit/>



BUT WHAT CAN I DO?

- ✘ National Weather Service Radio
 - + Does it have batteries?
 - + Is it turned on?



PREPARE IN SEVEN STEPS

- * 4- Identify and fix weaknesses
 - * Common building problems
 - * Inadequate foundations
 - * Unbraced cripple walls
 - * Soft first stories
 - * Unreinforced masonry

PREPARE IN SEVEN STEPS

- * 5- Protect yourself during earthquake
 - * Drop, Cover and Hold on



DROP, COVER AND HOLD ON

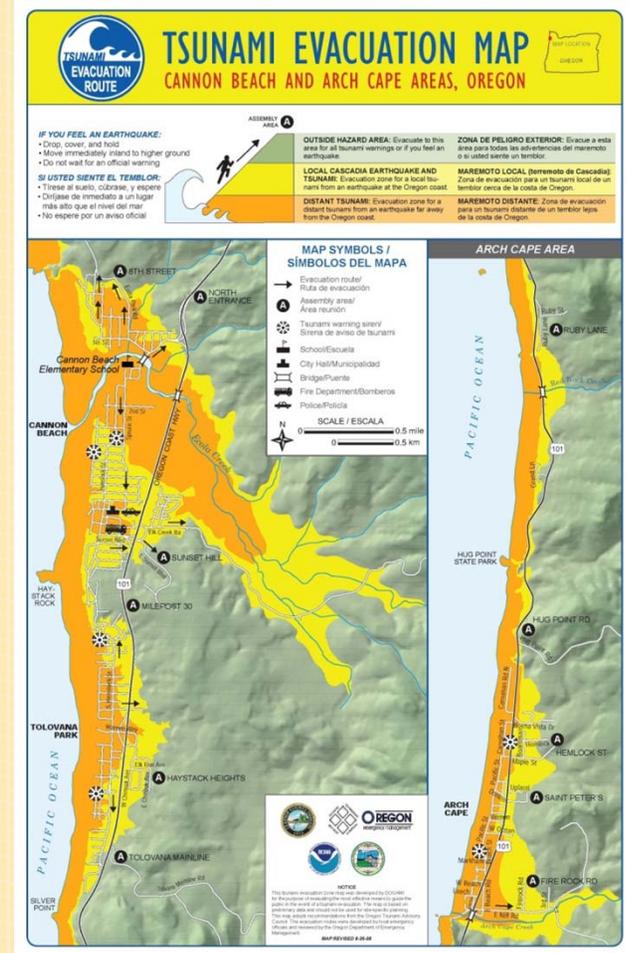
- Do a walk-through the office spaces.
- Where are the best places to duck, cover, and hold on?
- Stay away from windows and things that can tip, fall or drop on you.
- Do not go to a door opening unless there's no door.
- Get under a working surface, desk or table.
- If you can't get under a stable surface, get down low next to something like a chair, bed or something stable.
- Cover your head with your hands or arms.

PREPARE IN SEVEN STEPS

- * 6- Evacuate if necessary
 - * Know if you are in the Zone
 - * Do not wait for an official warning
 - * Check for injuries
 - * Check for damage

BUT WHAT CAN I DO?

- ✘ Have a plan! Know what to do!
 - + Do I live, work or visit in a tsunami hazard zone?
 - ✘ Know your evacuation route and PRACTICE!
 - ✘ Know where you will evacuate to.
 - ✘ If you are in a safe area, stay there!
 - ✘ There will be no official warning.



PREPARE IN SEVEN STEPS

- * 7- Follow your earthquake plan
 - * Once safe, continue your disaster preparedness plan.
 - * Stay away from the beach
 - * Be in communication
 - * If you cannot stay in your home...
 - * Tell a neighbor and your out-of-state contact where you are going

OTHER FACTORS TO CONSIDER

- * Employee concern for family safety
- * Earthquake drills
- * Inventory control
- * Pets and livestock
- * Earthquake and flood insurance

PREPARE IN SEVEN STEPS

- * You can't stop an earthquake, but you can prepare for one.
- * Questions?
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