

# DEMOLITION SAFETY



**DEMOLITION:** The act or process of completely tearing down, to wreck or level. to do away with completely



Great list on  
Pages 2 & 3

# DEMOLITION SAFETY



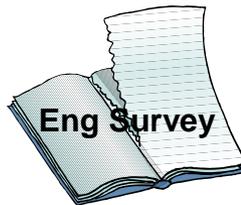
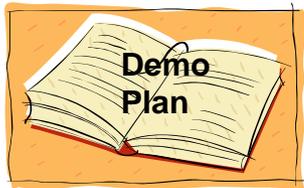
## A STEP BY STEP PROCESS

### BEFORE WORK STARTS:

Engineering Survey\*\*

Identification of Hazardous\*\*  
Materials (Lead/Asbestos)

Demolition Plan\*\*

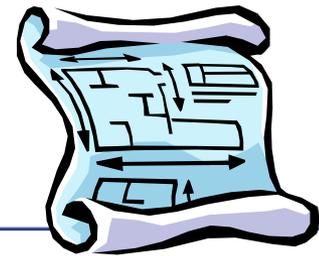


\*\* Mandatory **critical** documents

# DEMOLITION SAFETY



ENGINEERING SURVEY REGISTERED ENGINEER  
STRUCTURAL LAYOUT OF BUILDING  
CONDITION OF FLOORS, FRAMING, WALLS  
POSSIBILITY OF UNPLANNED COLLAPSE  
ADJACENT STRUCTURE STABILITY  
IDENTIFY ANY DEMOLITION HAZARDS  
UTILITIES DISCONNECTED AND/OR CONTROLLED **sprinkler system last**  
HAZARDOUS MATERIAL IDENTIFIED AND REMOVED  
TOP DOWN SYSTEM  
ACCESS/EGRESS DESIGNATED AND PROTECTED  
CONTINUOUS INSPECTION BY COMPETENT PERSON



# DEMOLITION SAFETY



## DEMOLITION PLAN BY REGISTERED ENGINEER

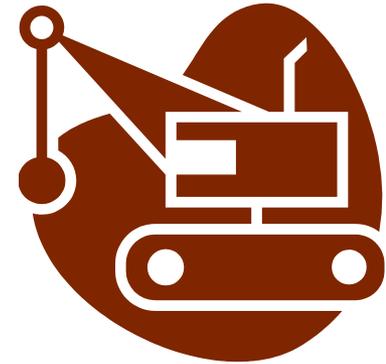
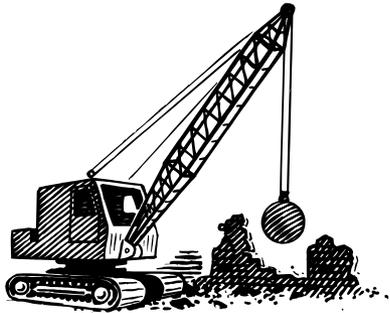
Based on the Engineering Survey &  
Hazardous Materials Surveys (asbestos/lead)  
Address all issues for the specific structure  
Discuss methods of protection public from job



Both GDA & Contractor  
to be provided with  
written evidence that the  
Engineering Survey and  
Asbestos/lead survey  
have been performed.  
23.A.01 b



# DEMOLITION SAFETY



**ALL EMPLOYEES ENGAGED IN THE  
DEMOLITION TO BE INSTRUCTED IN  
THE DEMOLITION PLAN ACTIVITIES**



This is our  
Preparatory for  
the Demo Plan



# DEMOLITION SAFETY



**STRUCTURES BUILT  
PRIOR TO 1980 MOST  
LIKELY WILL HAVE  
ASBESTOS AND LEAD  
BASE PAINT PRESENT**



# DEMO SAFETY CONCERNS



**Extra! Child hurt  
on demolition job  
cross from School  
Parents Suing!!**

**The fence is  
not up between  
job and school!!**



# DEMOLITION SAFETY



**Points of Access/Egress to be clearly designated with shed canopies over these locations.**

**Protection to be from face of building for a minimum of 8 feet.**

**Canopies at least 2 feet wider than opening on each side**



# DEMOLITION SAFETY



**Debris chutes at a angle of more than 45° from the horizontal shall be enclosed , access to opening protected when not is use.**

**Openings in floors for debris dropping shall be guarded with a standard guardrail.**

**Wheel-stop bumpers for wheelbarrows**



# DEMOLITION SAFETY



**Removal of windows  
roof top units**

**Work top down**

**KNOW WHERE ANY  
PRESTRESSED  
CONCRETE MEMBERS  
ARE LOCATED**



See Page  
#4 & 5 for  
Information about  
Pre-stressed  
Concrete!



# DEMOLITION SAFETY



**No wall section over 6 ft. permitted to stand without lateral bracing !**

**The weight of the demolition ball shall not exceed 50% of the crane's rated load at the angle it will be used**

**During demolition, continuing by a competent person shall detect hazards**



**Hey Fella! This Should have been Covered in the Demolition Plan!!**



# DEMOLITION SAFETY



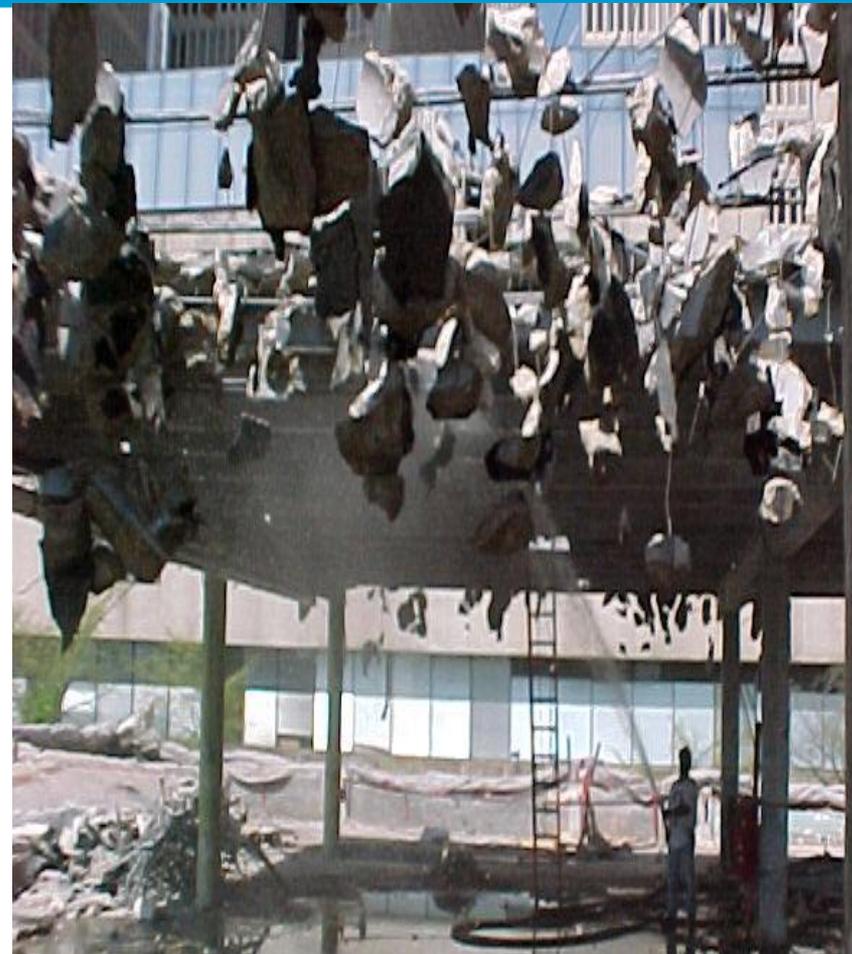
**Coordinate with local fire dept.**

**See NFPA-241 for special requirements**

**Charged fire hose at site**



Yea, there is a copy of NFPA-241 in the binder Section "L" pages 6-37



Use of water to reduce silica exposure

# DEMOLITION SAFETY



Insure AHA

**Fire protection**

Equipment safety

PPE safety

Protect public from  
site

I call this  
DEMOLITION  
BY FIRE!!



# DEMOLITION SAFETY



**Demolition methods may change**



**The minimum Safety requirements are all the same**



**A WELL PLANNED DEMO JOB IS A SAFE JOB!**

